

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033977.D
 Acq On : 27 Aug 2019 16:42
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:57:58 AM

Quant Time: Aug 28 02:34:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 02:26:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	347128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	517394	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	518692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	290009	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.28	65	548700	113.18	ug/l	0.00
Spiked Amount						
			Recovery	=	226.36%	
35) Dibromofluoromethane	4.86	113	492211	135.13	ug/l	0.00
Spiked Amount						
			Recovery	=	270.26%	
50) Toluene-d8	7.55	98	1904551	141.64	ug/l	0.00
Spiked Amount						
			Recovery	=	283.28%	
62) 4-Bromofluorobenzene	10.29	95	763297	148.61	ug/l	0.00
Spiked Amount						
			Recovery	=	297.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	517103	131.404	ug/l	99
3) Chloromethane	1.32	50	579939	123.141	ug/l	100
4) Vinyl Chloride	1.40	62	511716	100.138	ug/l	100
5) Bromomethane	1.59	94	307852	109.980	ug/l	99
6) Chloroethane	1.66	64	285995	88.995	ug/l	98
7) Trichlorofluoromethane	1.86	101	661586	106.450	ug/l	100
8) Diethyl Ether	2.09	74	251381	95.449	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.26	101	417218	114.269	ug/l	99
10) Methyl Iodide	2.39	142	682917	167.845	ug/l	100
11) Tert butyl alcohol	2.84	59	716422	701.954	ug/l #	85
12) 1,1-Dichloroethene	2.26	96	429406	114.610	ug/l	97
13) Acrolein	2.18	56	228729	413.168	ug/l	99
14) Allyl chloride	2.57	41	781942	115.888	ug/l	100
15) Acrylonitrile	2.92	53	1524573	584.278	ug/l	99
16) Acetone	2.31	43	1228435	436.822	ug/l	100
17) Carbon Disulfide	2.45	76	1408612	114.472	ug/l	99
18) Methyl Acetate	2.60	43	662774	105.455	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	1540448	129.036	ug/l	99
20) Methylene Chloride	2.68	84	542127	117.106	ug/l	99
21) trans-1,2-Dichloroethene	2.95	96	503136	122.000	ug/l	100
22) Diisopropyl ether	3.55	45	1452686	113.931	ug/l	94
23) Vinyl Acetate	3.50	43	6527120	621.382	ug/l	99
24) 1,1-Dichloroethane	3.42	63	899262	113.716	ug/l	100
25) 2-Butanone	4.24	43	2020499	556.763	ug/l	99
26) 2,2-Dichloropropane	4.20	77	745939	115.910	ug/l	100
27) cis-1,2-Dichloroethene	4.19	96	575036	129.609	ug/l	98
28) Bromochloromethane	4.52	49	392835	101.465	ug/l	98
29) Tetrahydrofuran	4.61	42	1238767	566.346	ug/l	99
30) Chloroform	4.65	83	878225	111.282	ug/l	99
31) Cyclohexane	4.97	56	798508	115.488	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	787001	121.488	ug/l	100
36) 1,1-Dichloropropene	5.11	75	683695	130.866	ug/l	99
37) Ethyl Acetate	4.35	43	718047	118.328	ug/l	99
38) Carbon Tetrachloride	5.11	117	708119	134.571	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	861462	147.980	ug/l	98
40) Benzene	5.36	78	2042844	131.459	ug/l	99
41) Methacrylonitrile	4.52	41	391486	128.585	ug/l	99
42) 1,2-Dichloroethane	5.38	62	678442	119.455	ug/l	99
43) Isopropyl Acetate	5.53	43	1162666	130.997	ug/l	100
44) Trichloroethene	6.16	130	585485	142.651	ug/l	98
45) 1,2-Dichloropropane	6.41	63	553971	129.273	ug/l	98
46) Dibromomethane	6.54	93	375682	135.117	ug/l	99
47) Bromodichloromethane	6.74	83	735549	131.866	ug/l	99
48) Methyl methacrylate	6.60	41	574703	144.108	ug/l	99
49) 1,4-Dioxane	6.60	88	317120	3367.246	ug/l #	95
51) 4-Methyl-2-Pentanone	7.45	43	3963405	659.359	ug/l	99
52) Toluene	7.62	92	1338926	147.516	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	878892	152.108	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	925578	143.786	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	570743	143.405	ug/l	98
56) Ethyl methacrylate	8.00	69	935548	173.033	ug/l	98
57) 1,3-Dichloropropane	8.22	76	934285	135.784	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	1783615	924.130	ug/l	98
59) 2-Hexanone	8.35	43	3069365	669.594	ug/l	99
60) Dibromochloromethane	8.46	129	675905	160.896	ug/l	100
61) 1,2-Dibromoethane	8.57	107	615189	148.708	ug/l	100
64) Tetrachloroethene	8.21	164	558532	145.844	ug/l	99
65) Chlorobenzene	9.10	112	1588196	148.342	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	612010	154.004	ug/l	100
67) Ethyl Benzene	9.23	91	2697551	154.312	ug/l	100
68) m/p-Xylenes	9.36	106	2100725	324.629	ug/l	100
69) o-Xylene	9.76	106	1027477	166.003	ug/l	100
70) Styrene	9.77	104	1837454	171.853	ug/l	99
71) Bromoform	9.94	173	578238	172.130	ug/l #	100
73) Isopropylbenzene	10.15	105	2793019	156.204	ug/l	100
74) N-amyl acetate	10.00	43	1132800	150.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	943672	126.055	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	808835m	122.724	ug/l	
77) Bromobenzene	10.44	156	770235	159.613	ug/l	99
78) n-propylbenzene	10.57	91	3210914	151.815	ug/l	100
79) 2-Chlorotoluene	10.64	91	1873749	147.669	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	2443853	159.750	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	290555m	120.391	ug/l	
82) 4-Chlorotoluene	10.76	91	2194335	147.355	ug/l	99
83) tert-Butylbenzene	11.08	119	2407492	168.069	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	2456308	165.258	ug/l	100
85) sec-Butylbenzene	11.31	105	2871255	160.445	ug/l	100
86) p-Isopropyltoluene	11.46	119	2715630	166.496	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	1377241	151.421	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	1363867	145.206	ug/l	99
89) n-Butylbenzene	11.87	91	2356998	161.974	ug/l	99
90) Hexachloroethane	12.13	117	459161	146.326	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	1339040	153.448	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	217871	141.517	ug/l	96

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QLast Update : Wed Aug 28 02:26:52 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	1003023	190.393	ug/l	100
94) Hexachlorobutadiene	13.68	225	558410	168.294	ug/l	98
95) Naphthalene	13.73	128	2785638	193.271	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	968807	182.950	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

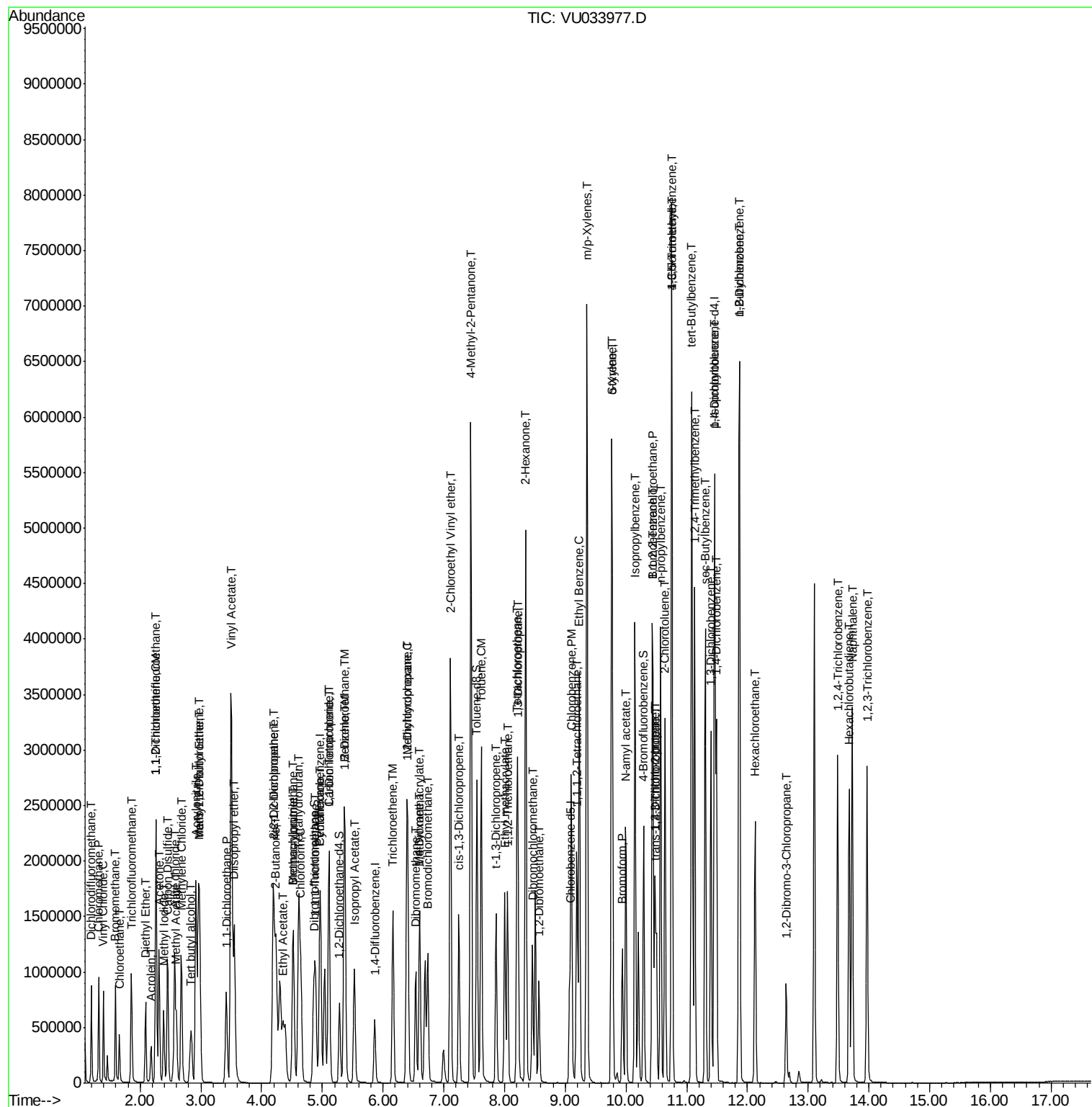
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Data File : VU033977.D
Acq On : 27 Aug 2019 16:42
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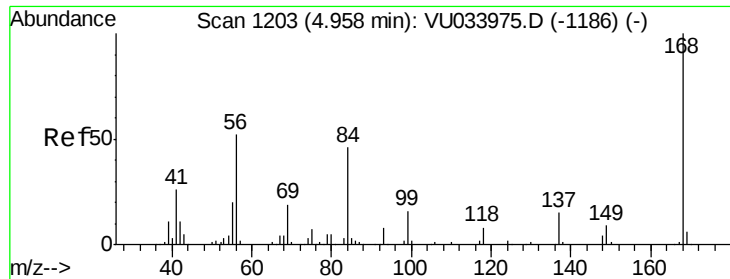
Instrument :
MSVOA_U
ClientSampleID :
VSTDIC150

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 347128

Ion Ratio Lower Upper

168 100

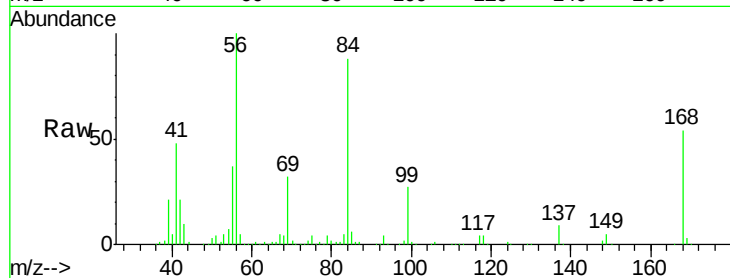
99 49.5 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU033977.D (-1110) (-)

Ion 98.90 (98.60 to 99.60): VU033977.D (-1110) (-)

250000

200000

150000

100000

50000

0

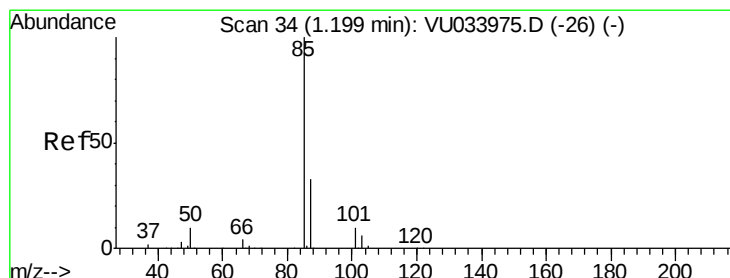
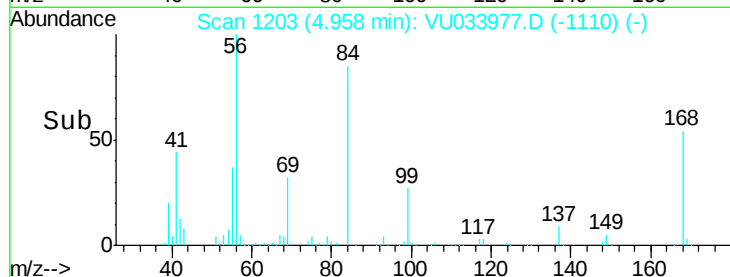
4.90

4.96

5.00

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 131.404 ug/l

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033977.D

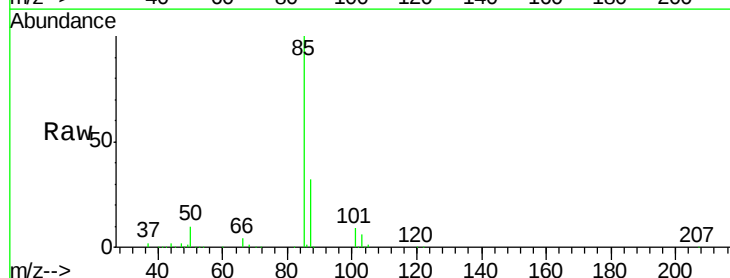
Acq: 27 Aug 2019 16:42

Tgt Ion: 85 Resp: 517103

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VU033977.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU033977.D (-1) (-)

600000

500000

400000

300000

200000

100000

0

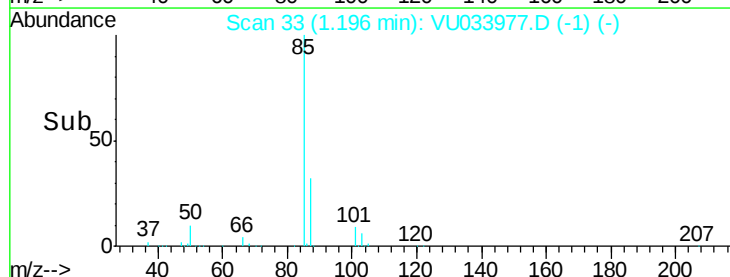
1.15

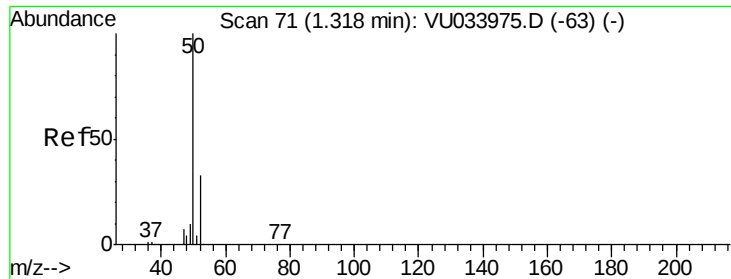
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 123.141 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 579939

Ion Ratio Lower Upper

50 100

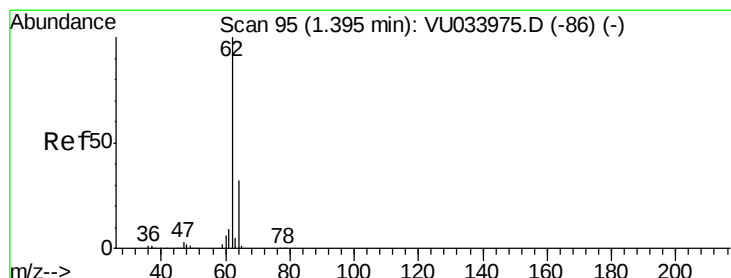
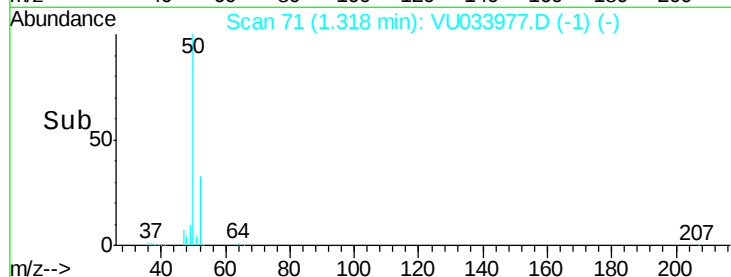
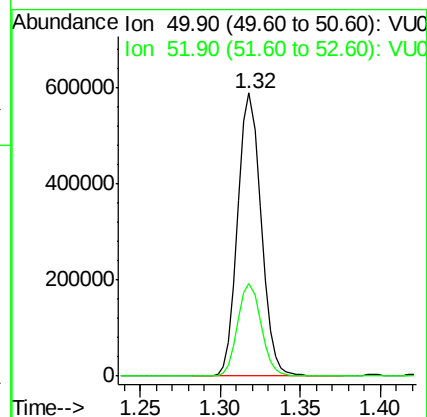
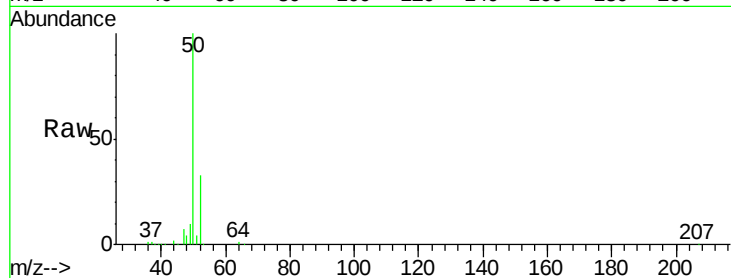
52 32.9 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 100.138 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033977.D

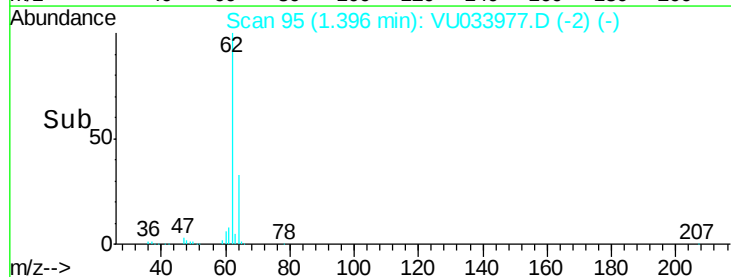
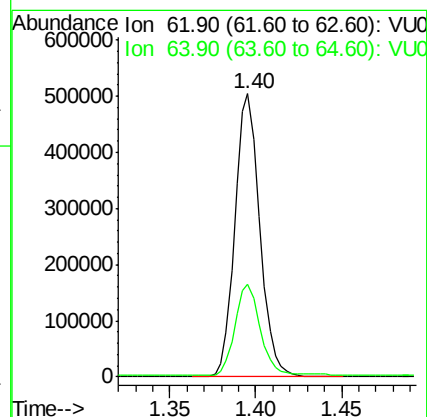
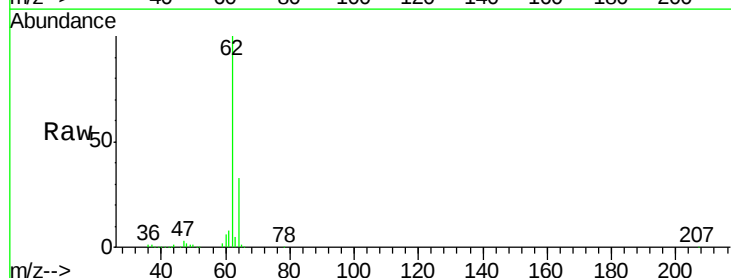
Acq: 27 Aug 2019 16:42

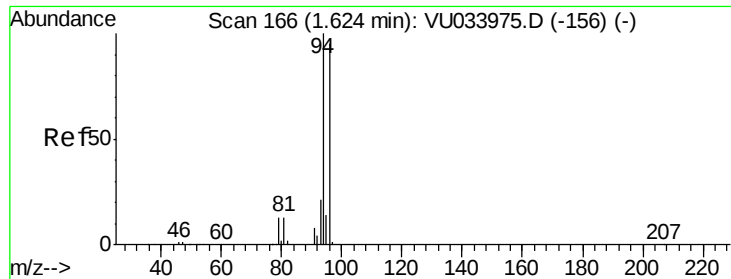
Tgt Ion: 62 Resp: 511716

Ion Ratio Lower Upper

62 100

64 32.2 25.9 38.9





#5

Bromomethane

Concen: 109.980 ug/l

RT: 1.59 min Scan# 156

Delta R.T. -0.03 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

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Tot Ion: 94 Resp: 307852

Ion Ratio Lower Upper

94 100

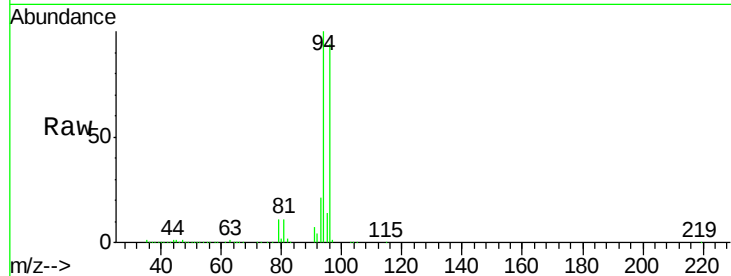
96 94.4 76.3 114.5

Manual Integrations

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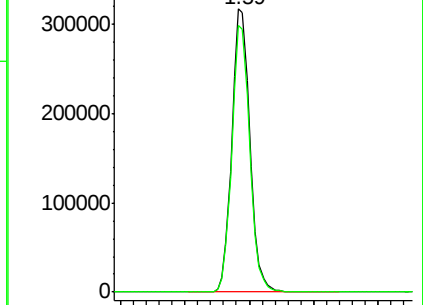
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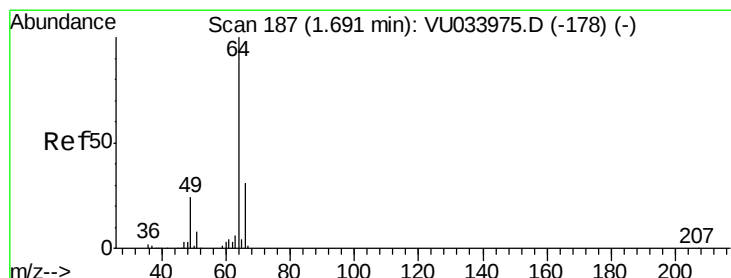
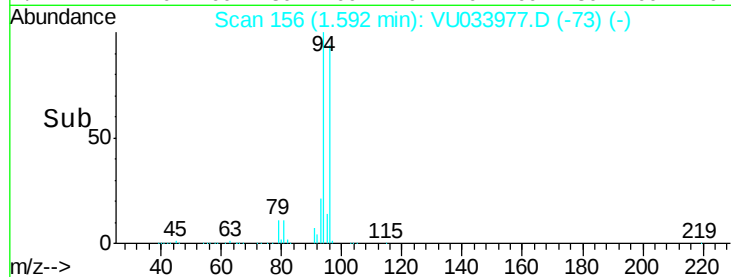


Abundance Ion 93.90 (93.60 to 94.60): VU033977.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VU033977.D (-156) (-)



Time-->



#6

Chloroethane

Concen: 88.995 ug/l

RT: 1.66 min Scan# 176

Delta R.T. -0.04 min

Lab File: VU033977.D

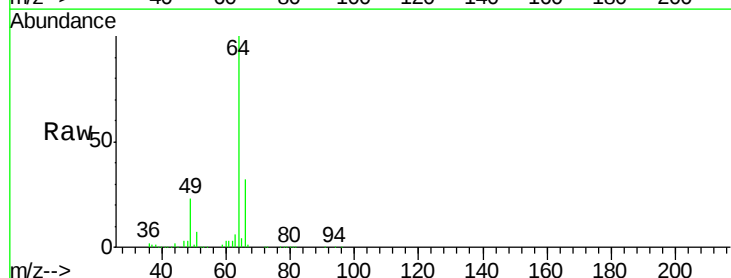
Acq: 27 Aug 2019 16:42

Tgt Ion: 64 Resp: 285995

Ion Ratio Lower Upper

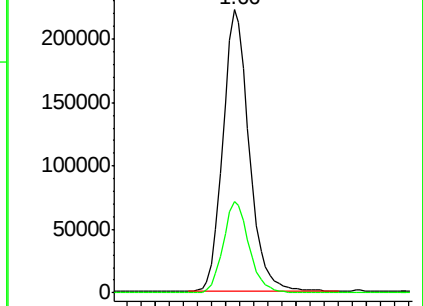
64 100

66 32.4 24.9 37.3

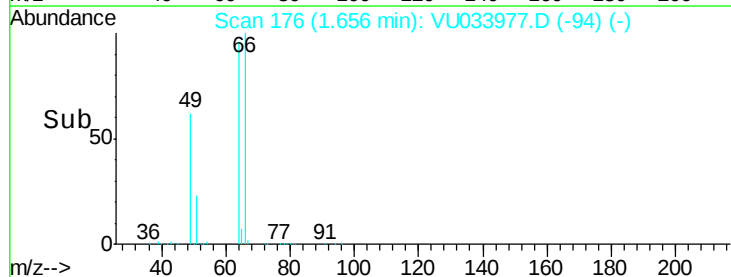


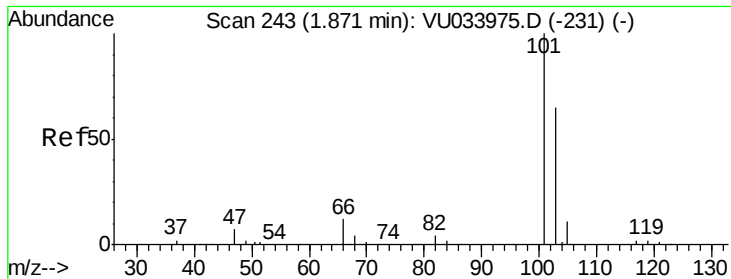
Abundance Ion 63.90 (63.60 to 64.60): VU033977.D (-178) (-)

Ion 65.90 (65.60 to 66.60): VU033977.D (-178) (-)



Time-->





#7

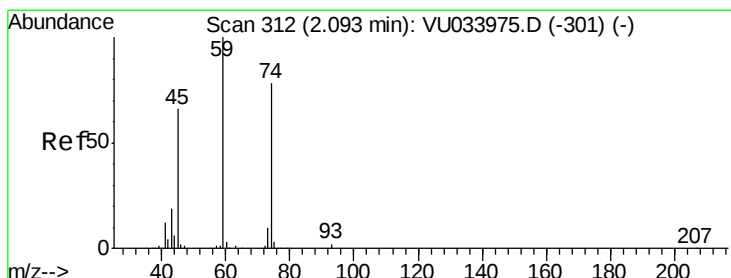
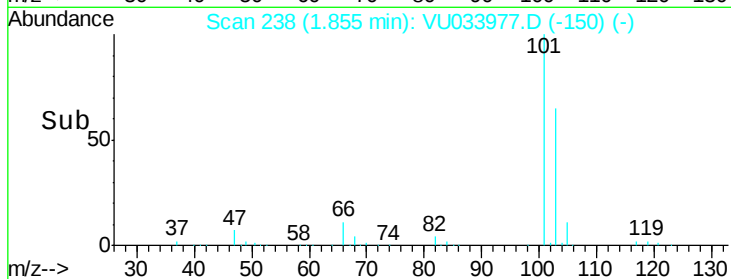
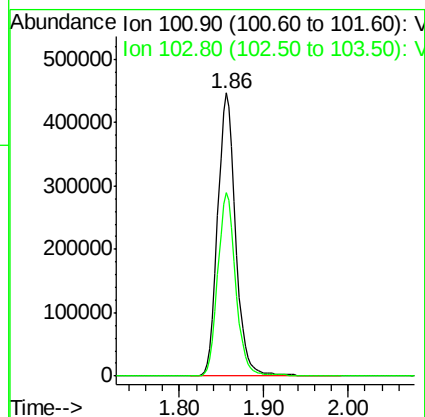
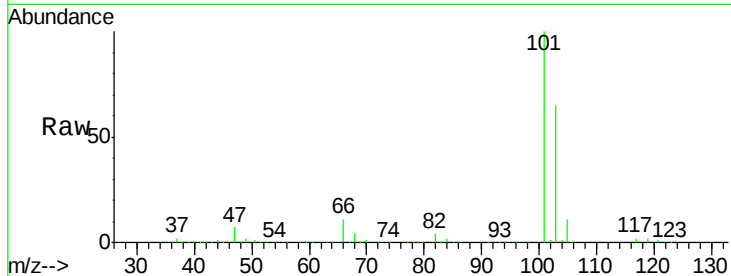
Trichlorofluoromethane
Concen: 106.450 ug/l
RT: 1.86 min Scan# 238
Delta R.T. -0.02 min
Lab File: VU033977.D
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Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		661586		
103	65.1	52.0	78.0		

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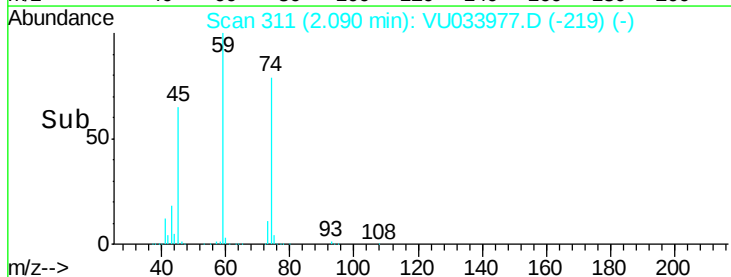
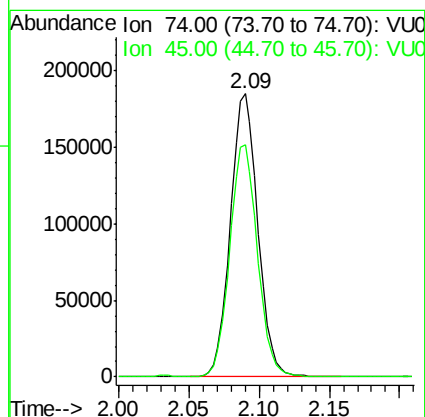
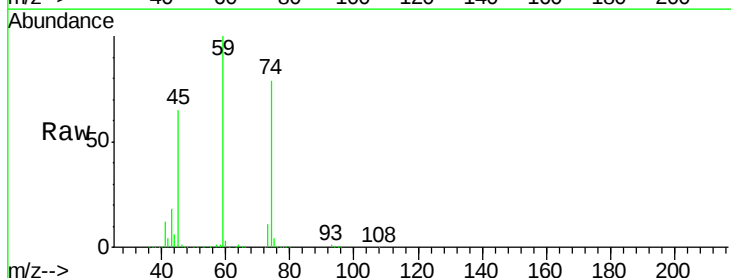
MMDadoda
8/28/2019 9:57:58 AM

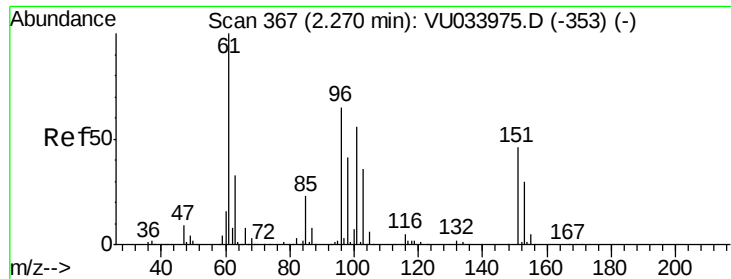


#8

Diethyl Ether
Concen: 95.449 ug/l
RT: 2.09 min Scan# 311
Delta R.T. -0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		251381		
45	82.5	42.8	128.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 114.269 ug/l

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 417218

Ion Ratio Lower Upper

101 100

85 41.4 33.4 50.0

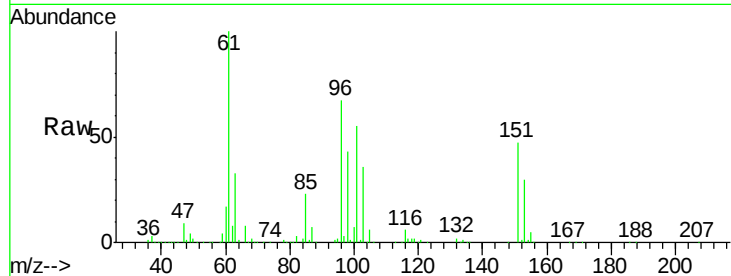
151 85.6 67.6 101.4

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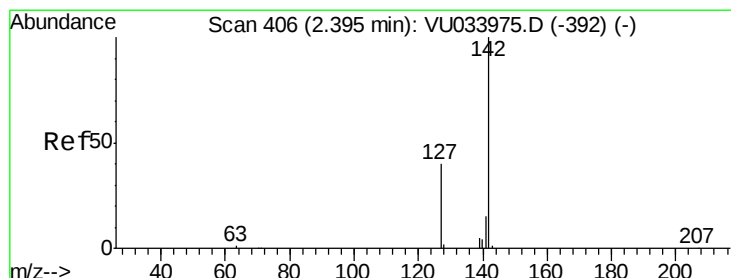
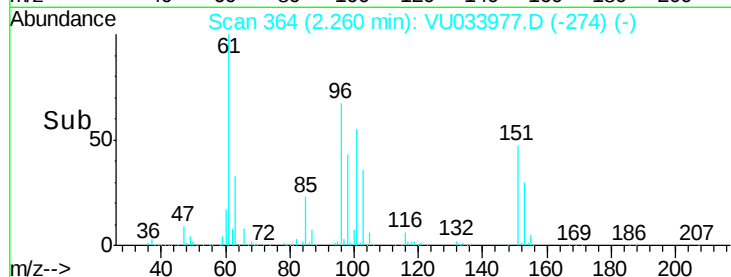
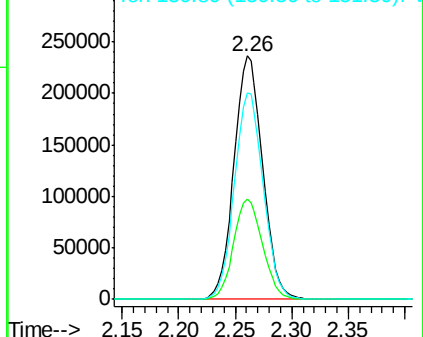
8/28/2019 9:57:58 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 167.845 ug/l

RT: 2.39 min Scan# 403

Delta R.T. -0.01 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

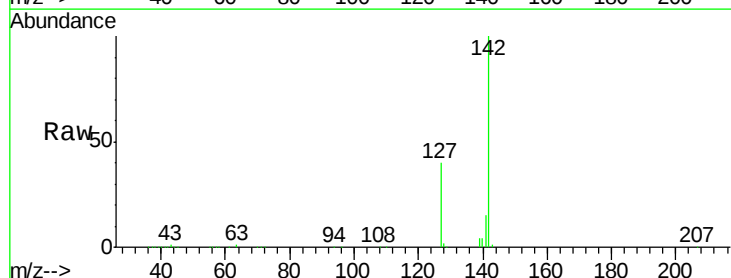
Tgt Ion:142 Resp: 682917

Ion Ratio Lower Upper

142 100

127 40.2 32.2 48.2

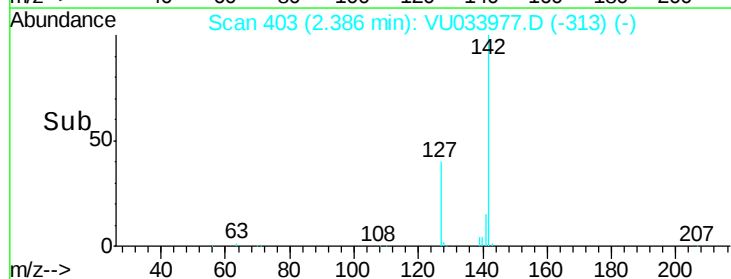
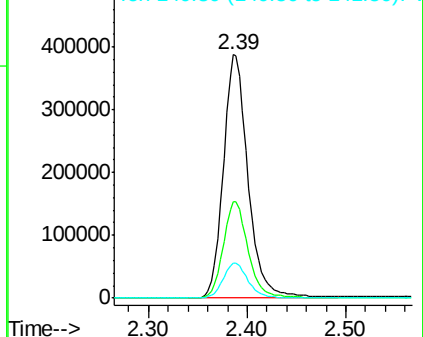
141 14.4 11.8 17.8

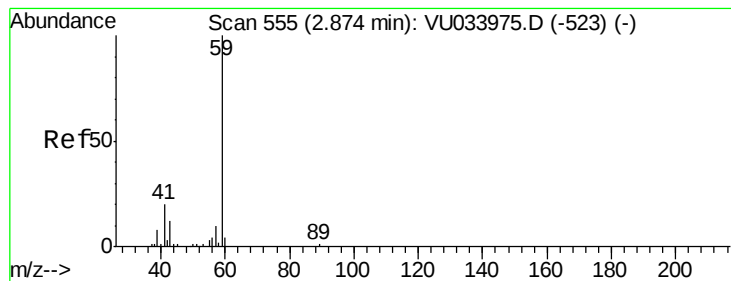


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

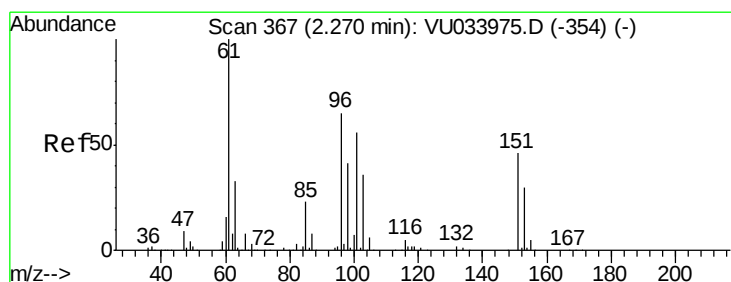
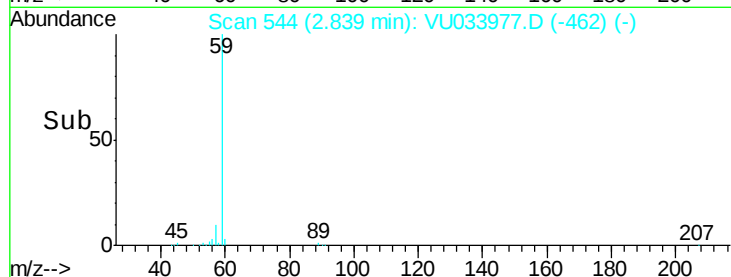
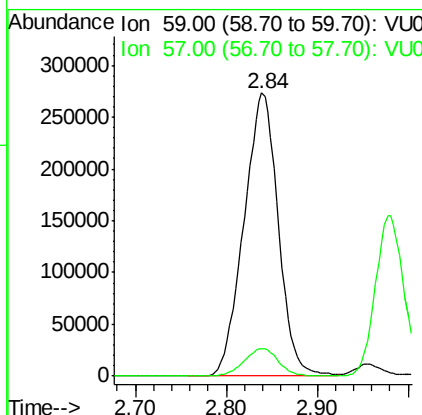
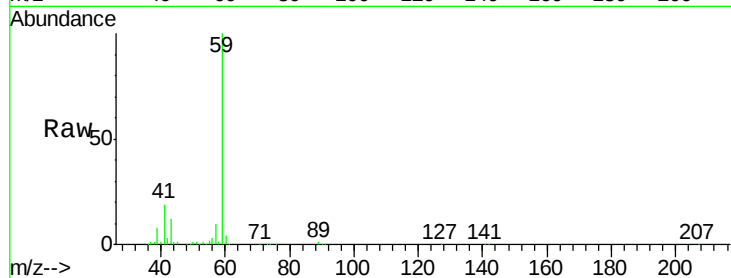
Tert butyl alcohol
 Concen: 701.954 ug/l
 RT: 2.84 min Scan# 544
 Delta R.T. -0.04 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	716422		
57	9.9		3.9	5.9#

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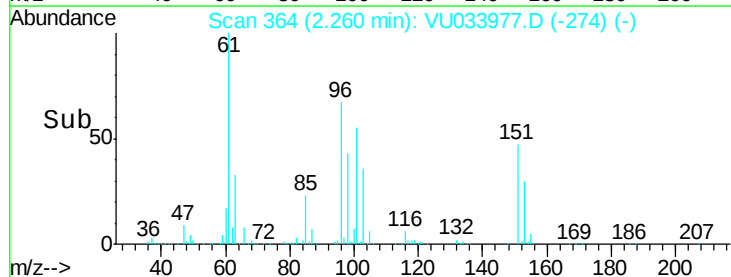
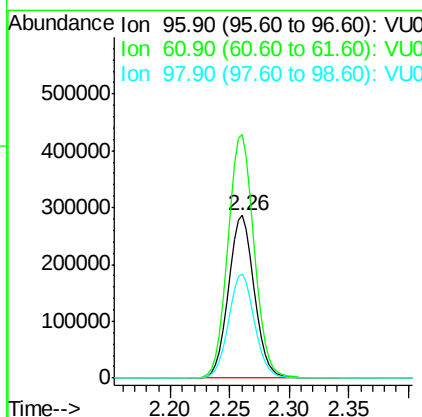
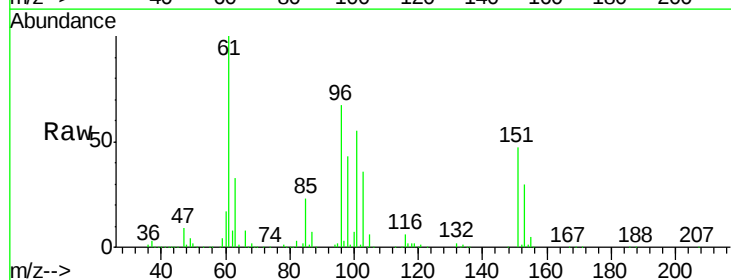
MMDadoda
 8/28/2019 9:57:58 AM

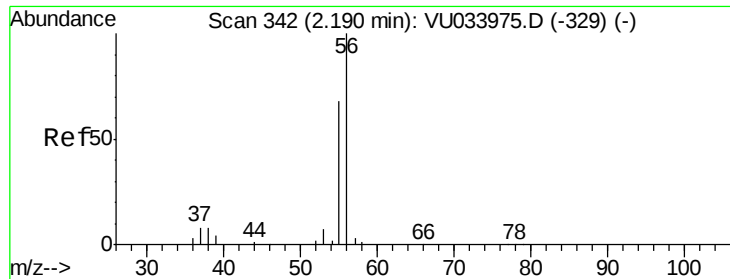


#12

1,1-Dichloroethene
 Concen: 114.610 ug/l
 RT: 2.26 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	429406		
61	149.9		123.3	184.9
98	64.4		50.5	75.7





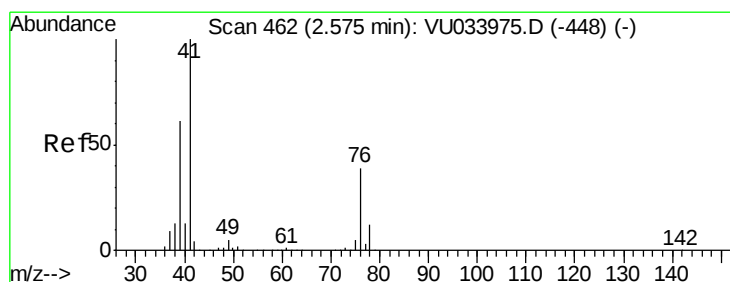
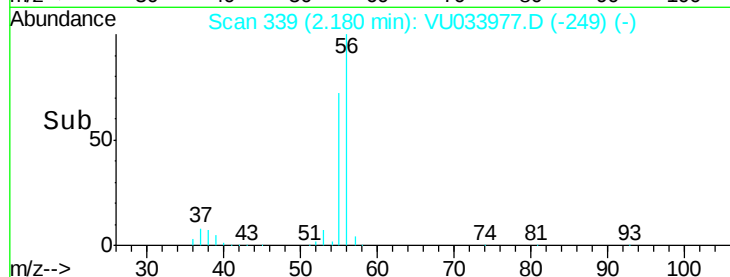
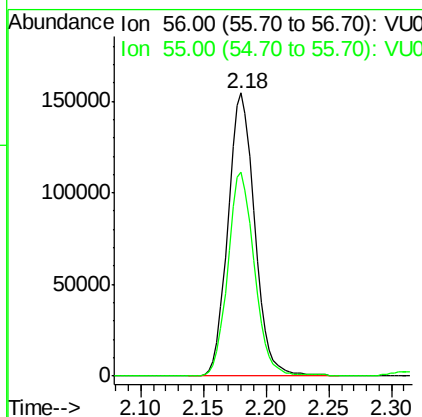
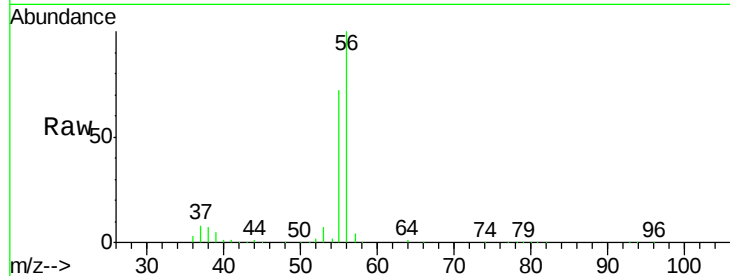
#13
Acrolein
Concen: 413.168 ug/l
RT: 2.18 min Scan# 339
Delta R.T. -0.01 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 56 Resp: 228729
Ion Ratio Lower Upper
56 100
55 72.0 58.0 87.0

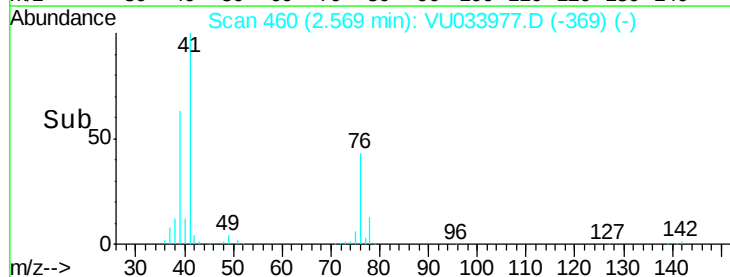
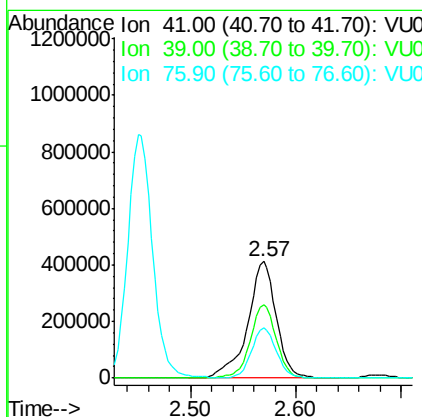
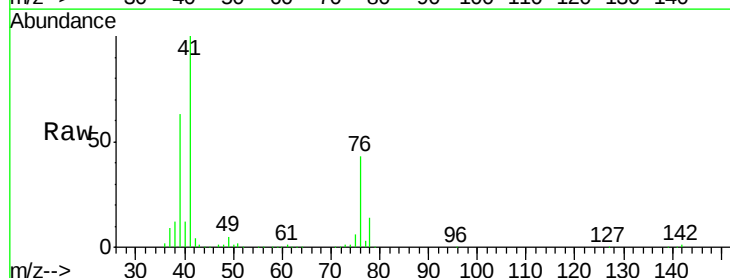
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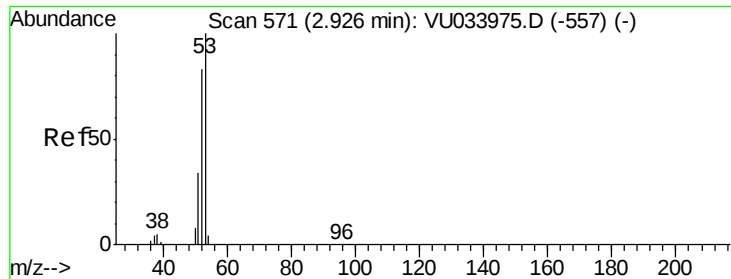
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8/28/2019 9:57:58 AM



#14
Allyl chloride
Concen: 115.888 ug/l
RT: 2.57 min Scan# 460
Delta R.T. -0.01 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Tgt Ion: 41 Resp: 781942
Ion Ratio Lower Upper
41 100
39 57.2 45.9 68.9
76 37.0 29.4 44.2





#15

Acrylonitrile

Concen: 584.278 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.01 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1524573

Ion Ratio Lower Upper

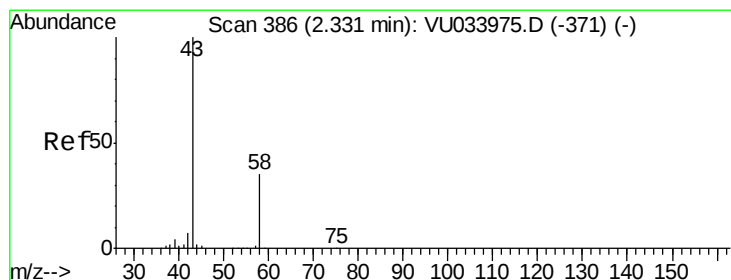
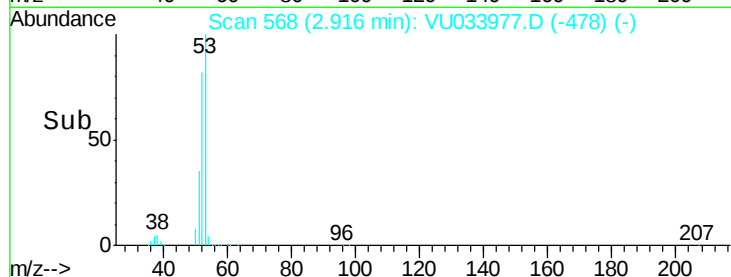
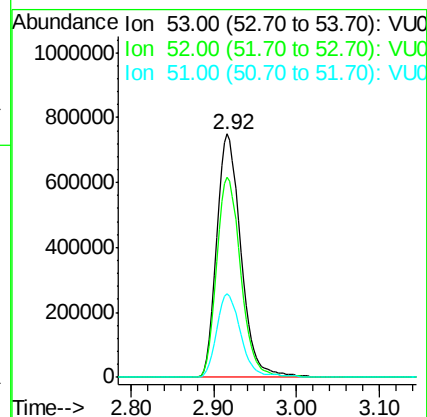
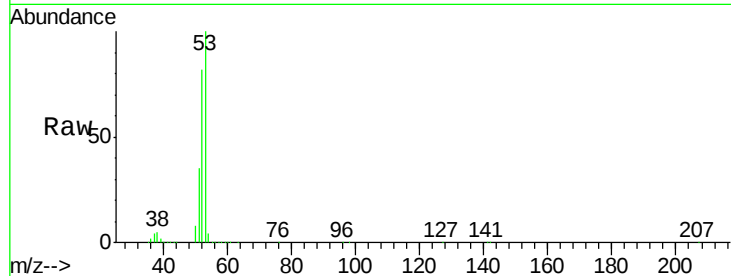
53 100

52 82.0 66.7 100.1

51 34.5 27.5 41.3

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#16

Acetone

Concen: 436.822 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033977.D

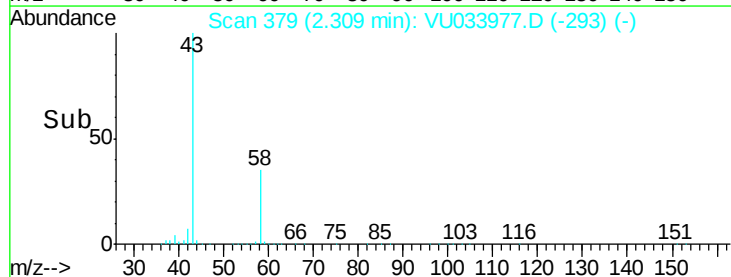
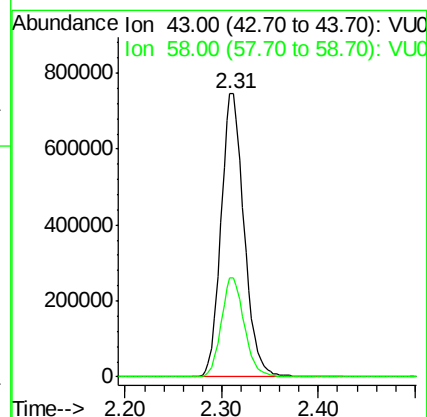
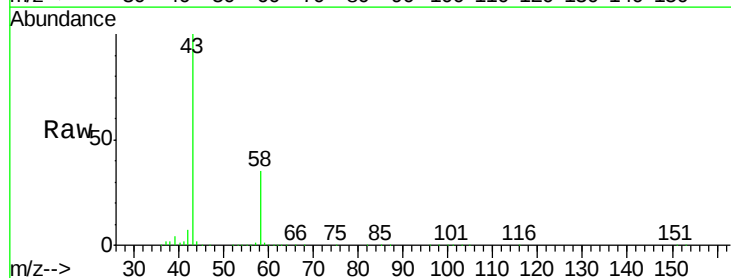
Acq: 27 Aug 2019 16:42

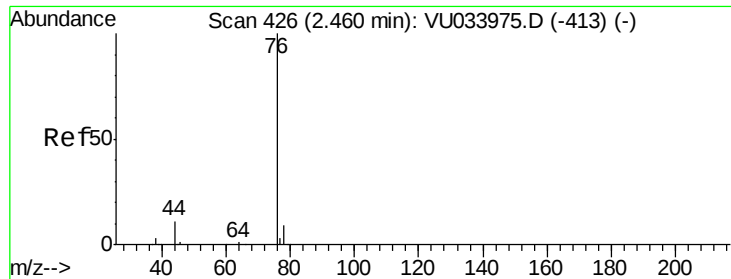
Tgt Ion: 43 Resp: 1228435

Ion Ratio Lower Upper

43 100

58 34.9 28.0 42.0





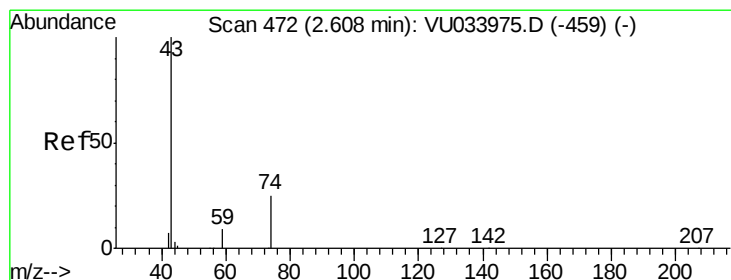
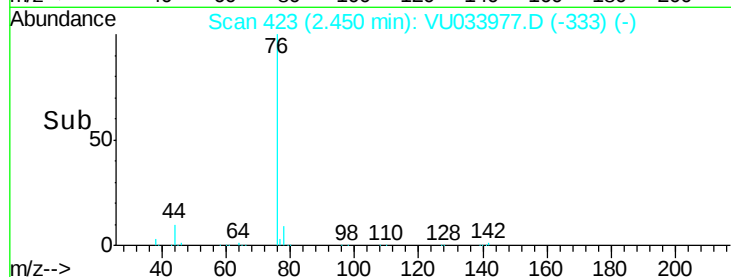
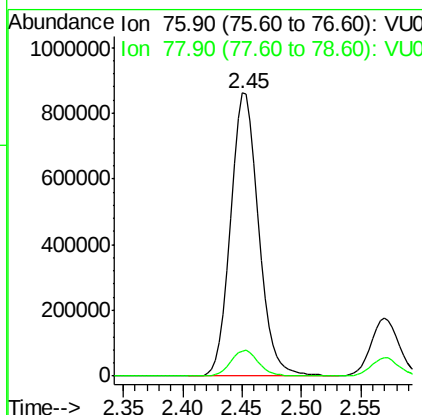
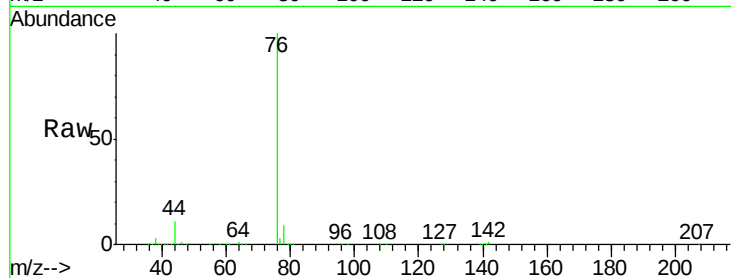
#17
Carbon Disulfide
Concen: 114.472 ug/l
RT: 2.45 min Scan# 423
Delta R.T. -0.01 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.5	11.3

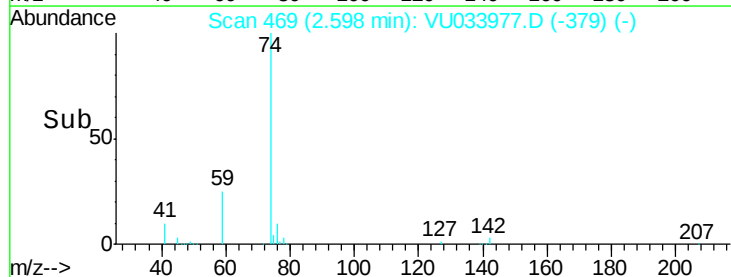
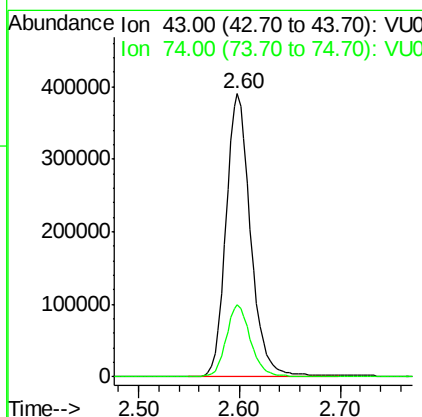
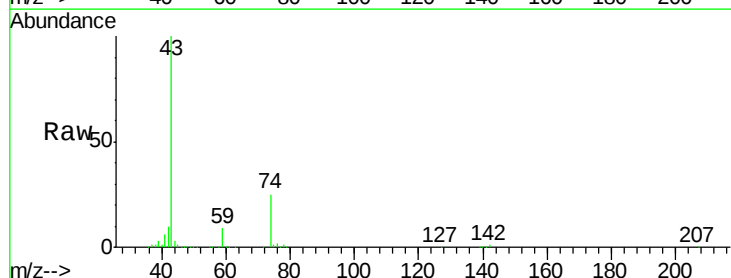
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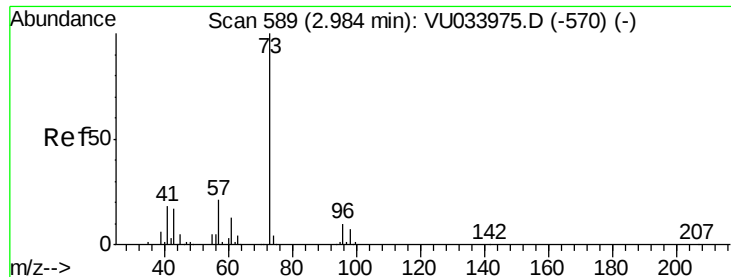
MMDadoda
8/28/2019 9:57:58 AM



#18
Methyl Acetate
Concen: 105.455 ug/l
RT: 2.60 min Scan# 469
Delta R.T. -0.01 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	20.5	30.7





#19

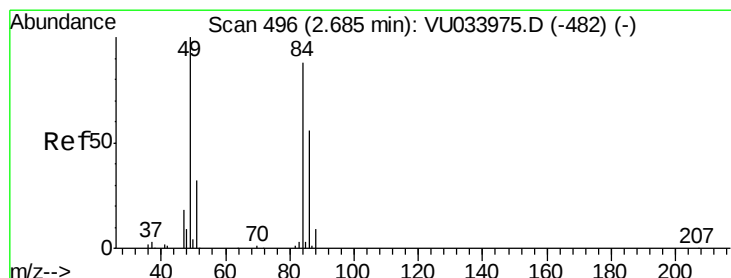
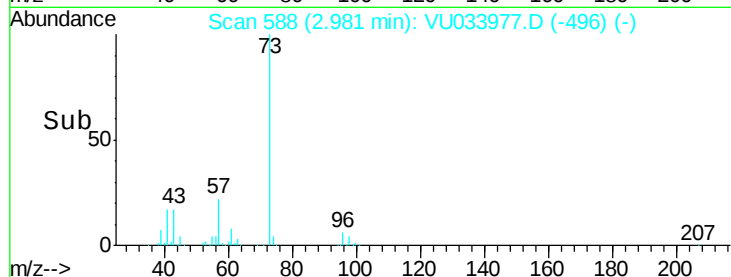
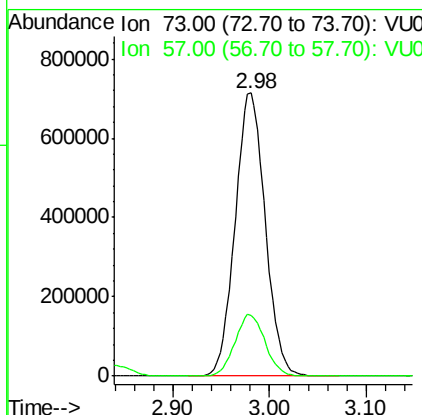
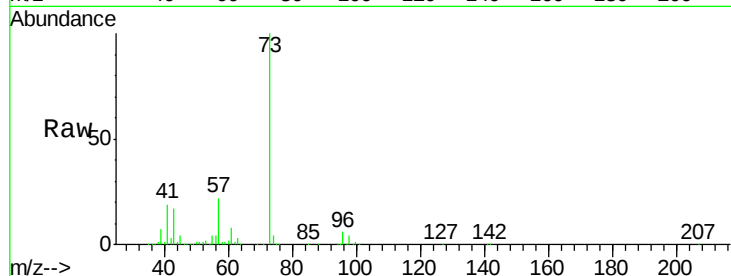
Methyl tert-butyl Ether
 Concen: 129.036 ug/l
 RT: 2.98 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1540448
 Ion Ratio Lower Upper
 73 100
 57 21.6 17.5 26.3

Manual Integrations
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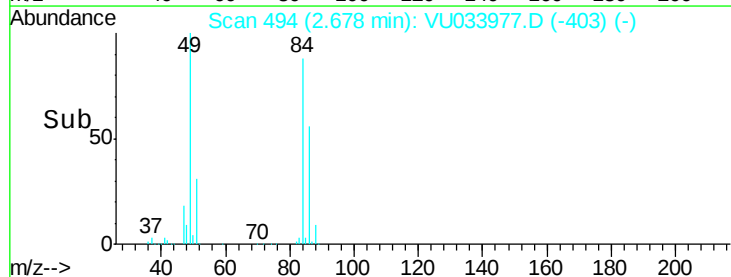
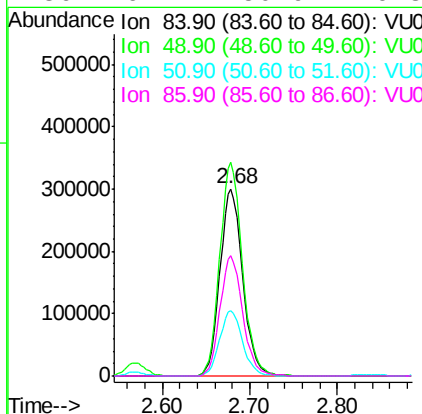
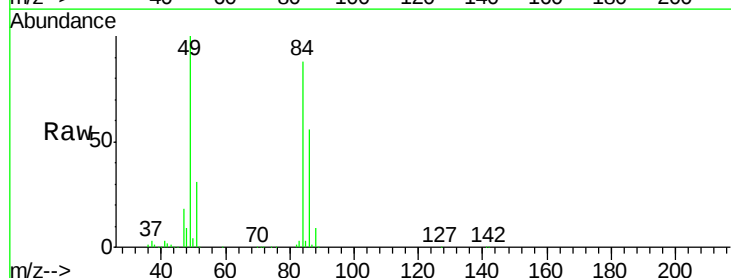
MMDadoda
 8/28/2019 9:57:58 AM

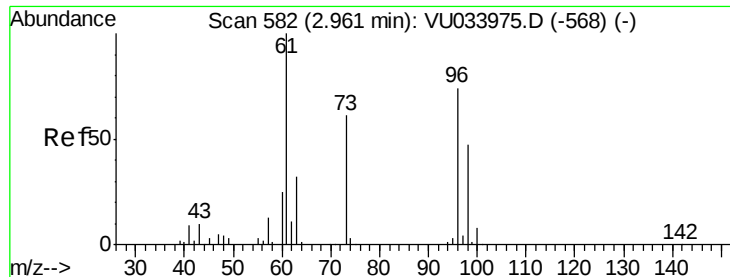


#20

Methylene Chloride
 Concen: 117.106 ug/l
 RT: 2.68 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Tgt Ion: 84 Resp: 542127
 Ion Ratio Lower Upper
 84 100
 49 114.1 91.3 136.9
 51 35.0 28.9 43.3
 86 64.1 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 122.000 ug/l

RT: 2.95 min Scan# 580

Delta R.T. -0.01 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 503136

Ion Ratio Lower Upper

96 100

61 134.8 108.2 162.2

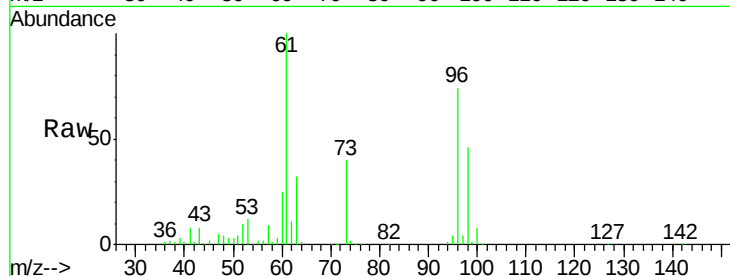
98 62.7 50.3 75.5

Manual Integrations

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8/28/2019 9:57:58 AM

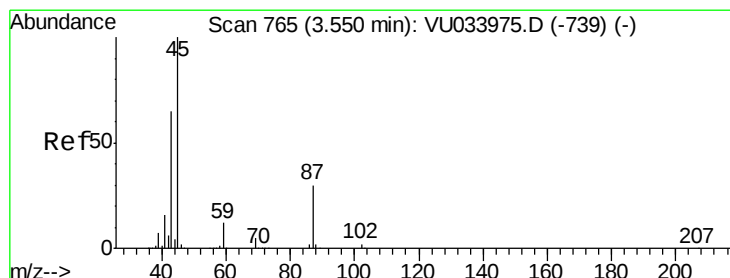
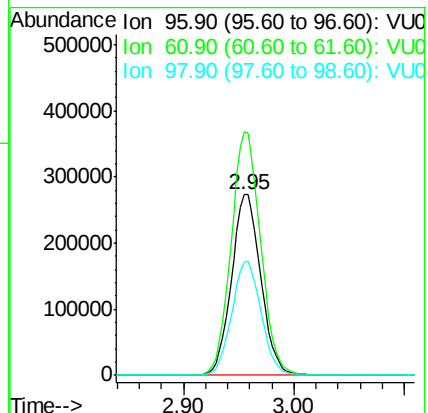
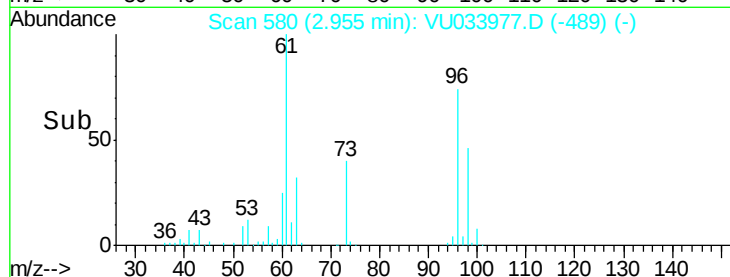


Abundance Ion 95.90 (95.60 to 96.60): VU033977.D (-489) (-)

Ion 60.90 (60.60 to 61.60): VU033977.D (-489) (-)

Ion 97.90 (97.60 to 98.60): VU033977.D (-489) (-)

Time-->



#22

Diisopropyl ether

Concen: 113.931 ug/l

RT: 3.55 min Scan# 764

Delta R.T. -0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Tgt Ion: 45 Resp: 1452686

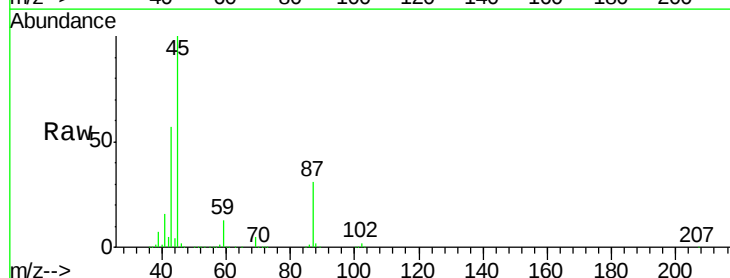
Ion Ratio Lower Upper

45 100

43 56.7 51.6 77.4

87 31.1 24.4 36.6

59 12.6 9.8 14.6



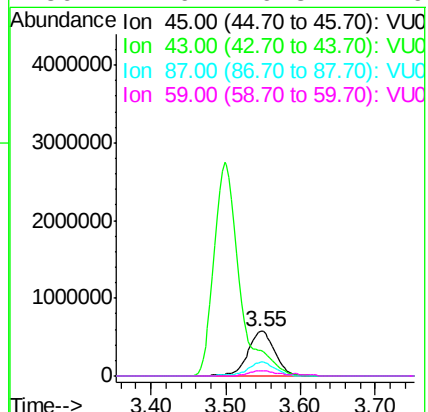
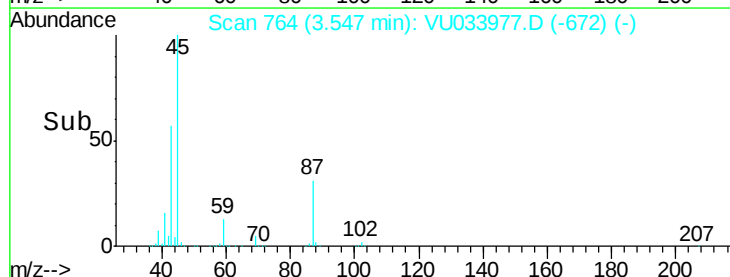
Abundance Ion 45.00 (44.70 to 45.70): VU033977.D (-672) (-)

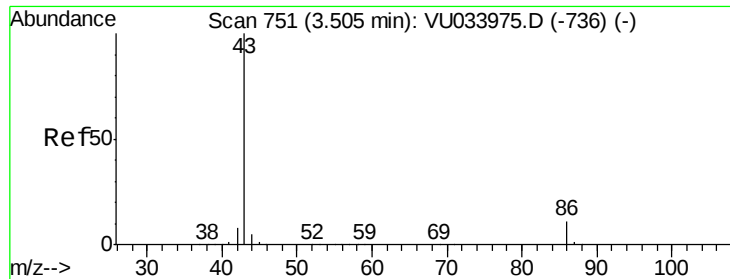
Ion 43.00 (42.70 to 43.70): VU033977.D (-672) (-)

Ion 87.00 (86.70 to 87.70): VU033977.D (-672) (-)

Ion 59.00 (58.70 to 59.70): VU033977.D (-672) (-)

Time-->





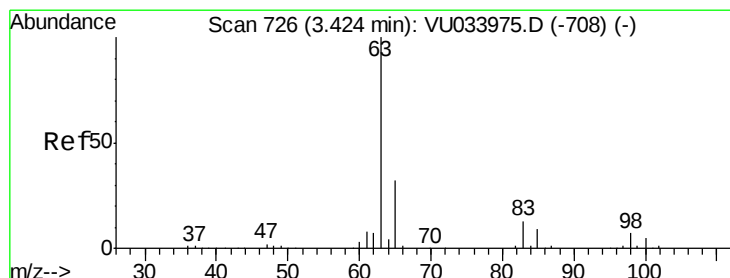
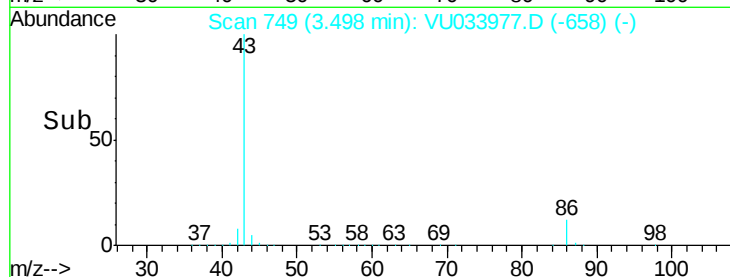
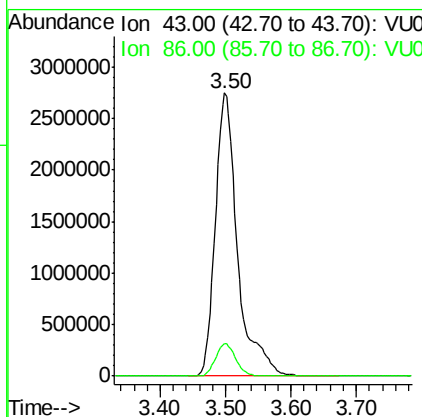
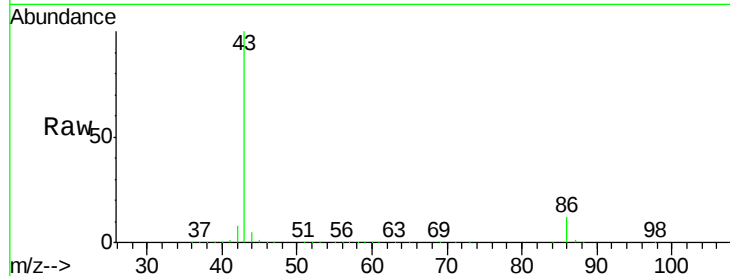
#23
 Vinyl Acetate
 Concen: 621.382 ug/l
 RT: 3.50 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 6527120
 Ion Ratio Lower Upper
 43 100
 86 11.6 9.1 13.7

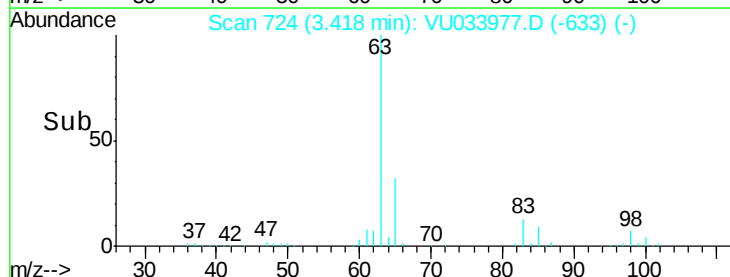
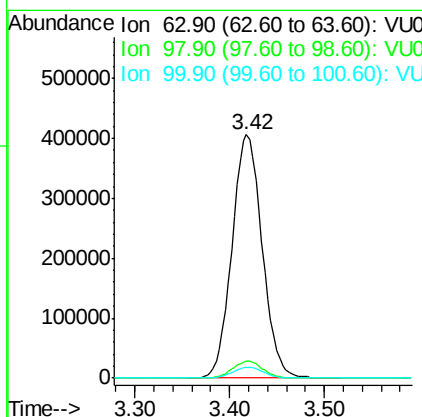
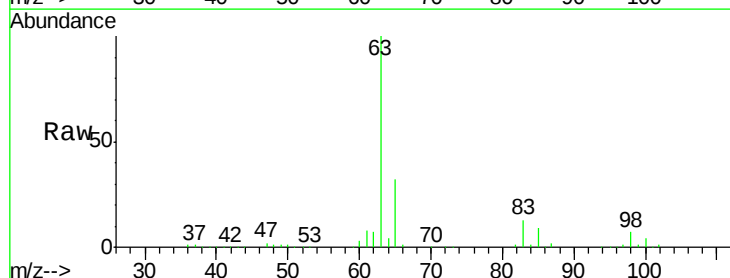
Manual Integrations
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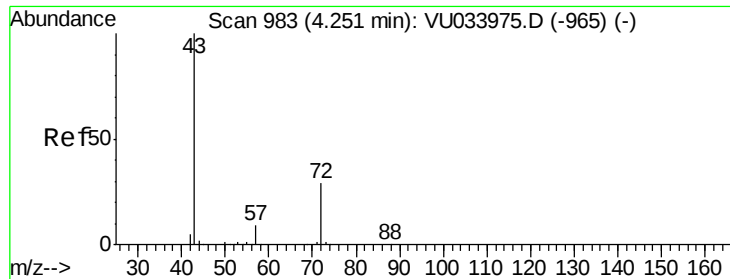
MMDadoda
 8/28/2019 9:57:58 AM



#24
 1,1-Dichloroethane
 Concen: 113.716 ug/l
 RT: 3.42 min Scan# 724
 Delta R.T. -0.01 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Tgt Ion: 63 Resp: 899262
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.4
 100 4.3 2.3 6.8





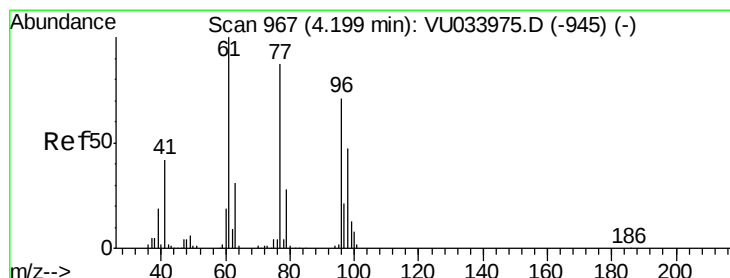
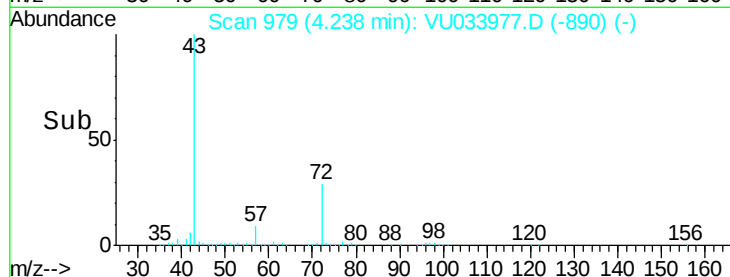
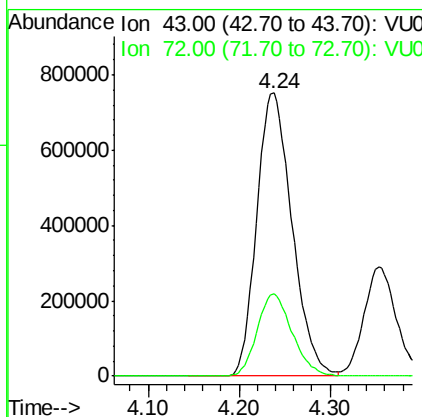
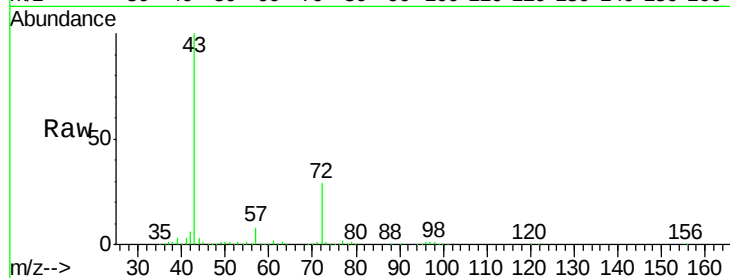
#25
2-Butanone
Concen: 556.763 ug/l
RT: 4.24 min Scan# 979
Delta R.T. -0.01 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2020499
Ion Ratio Lower Upper
43 100
72 29.0 22.9 34.3

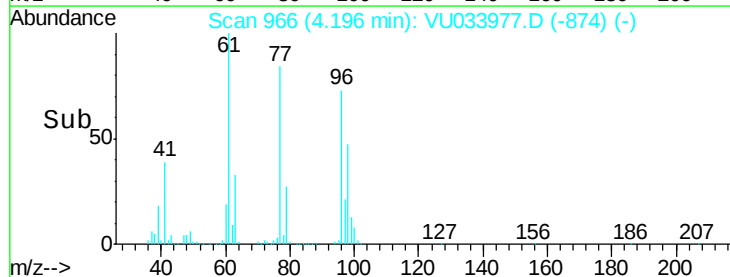
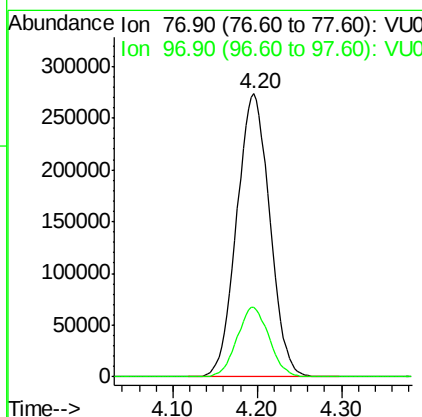
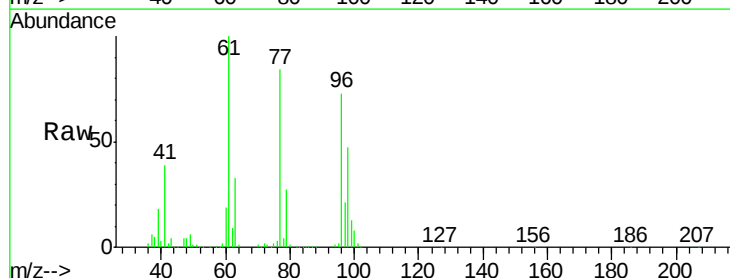
Manual Integrations
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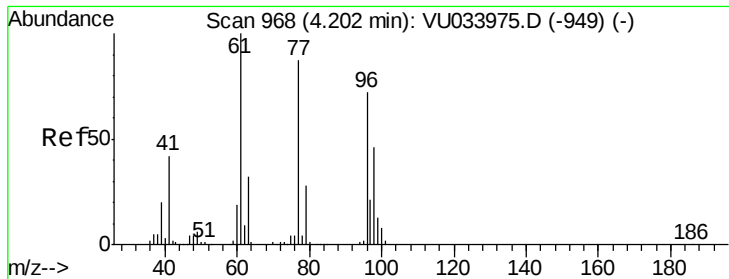
MMDadoda
8/28/2019 9:57:58 AM



#26
2,2-Dichloropropane
Concen: 115.910 ug/l
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Tgt Ion: 77 Resp: 745939
Ion Ratio Lower Upper
77 100
97 24.1 12.0 36.0





#27

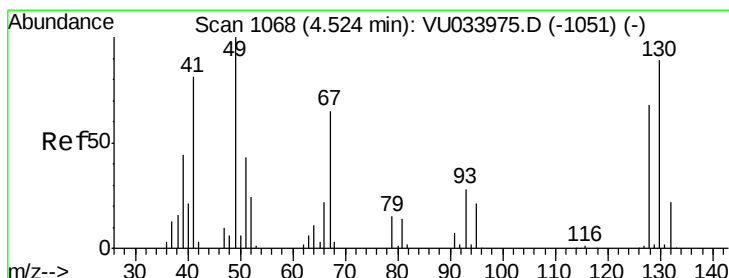
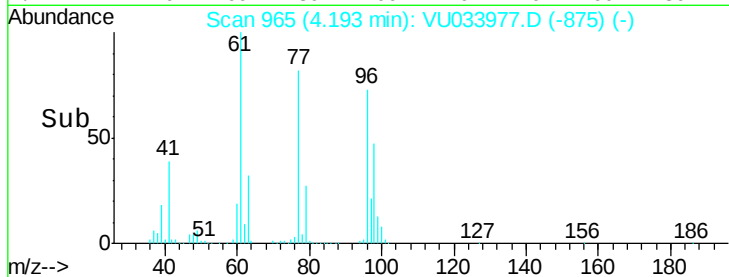
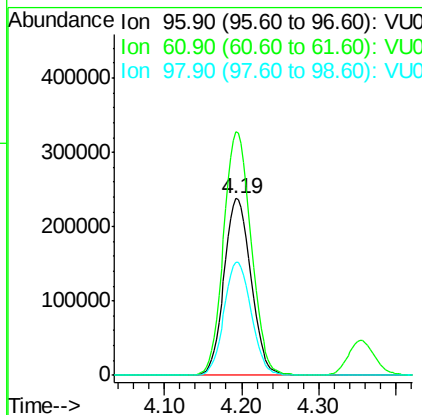
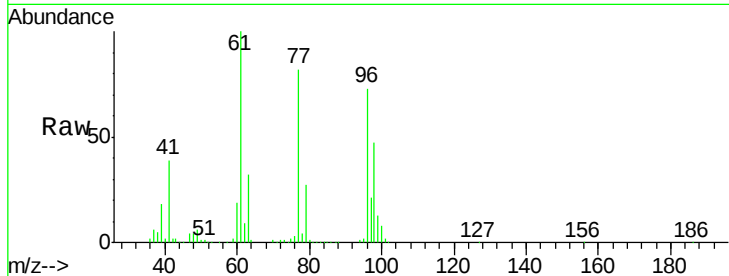
cis-1,2-Dichloroethene
Concen: 129.609 ug/l
RT: 4.19 min Scan# 965
Delta R.T. -0.01 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	575036		
61	141.0	0.0	287.2	
98	64.7	0.0	131.8	

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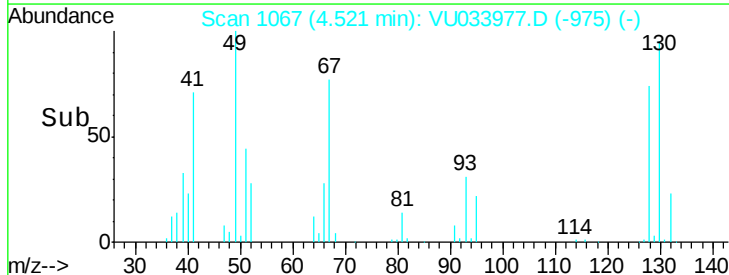
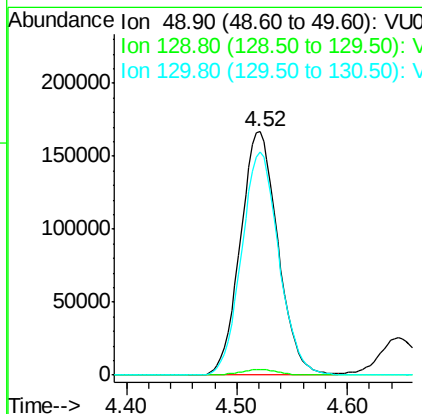
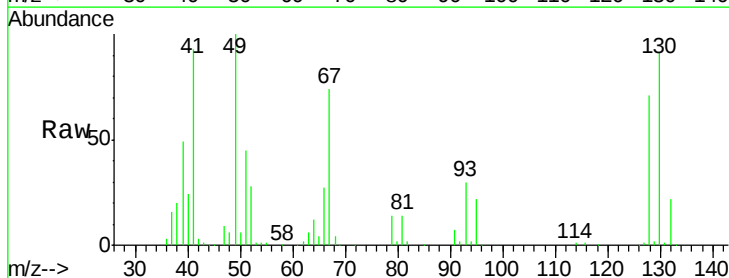
MMDadoda
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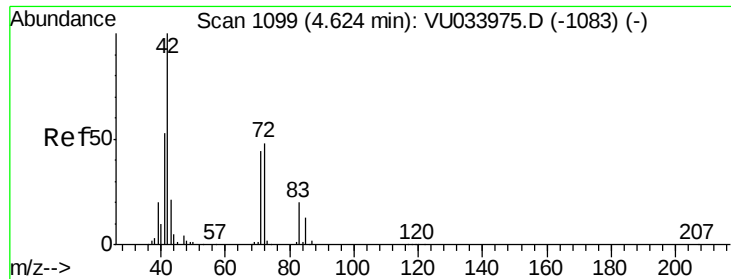


#28

Bromochloromethane
Concen: 101.465 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	392835		
129	2.3	0.0	4.6	
130	91.2	71.0	106.6	





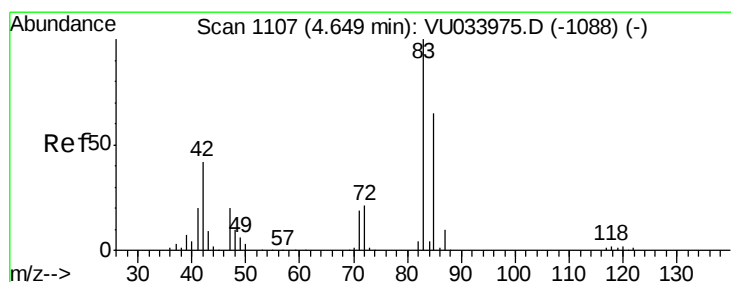
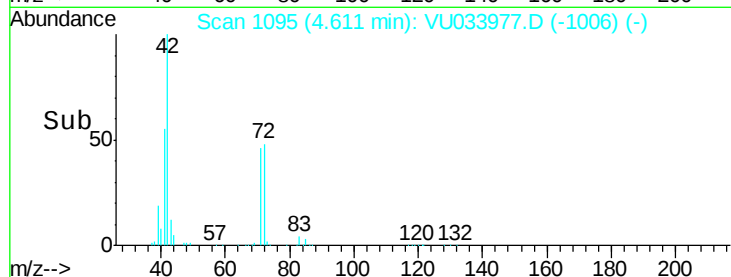
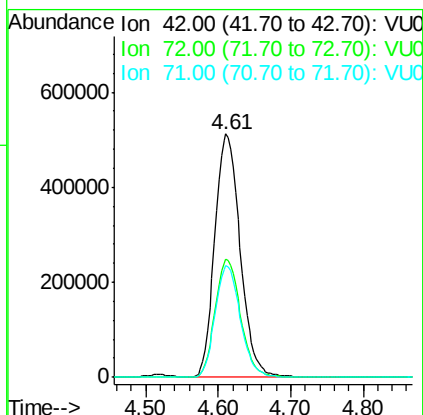
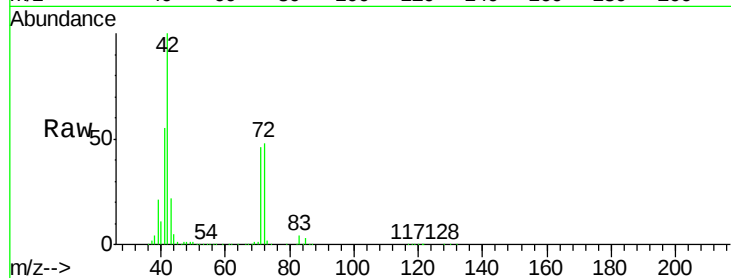
#29
Tetrahydrofuran
Concen: 566.346 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.7	38.9	58.3
71	45.9	35.7	53.5

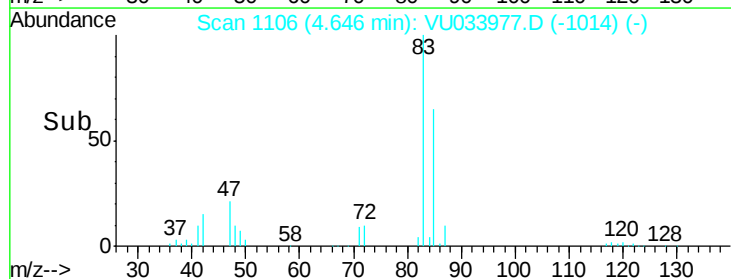
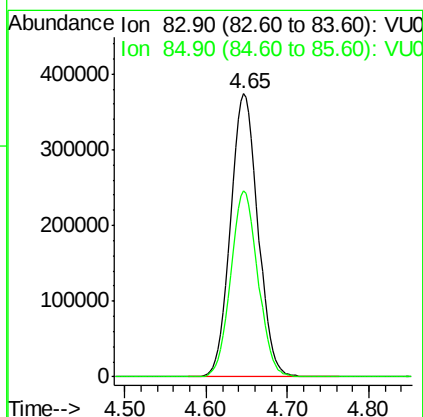
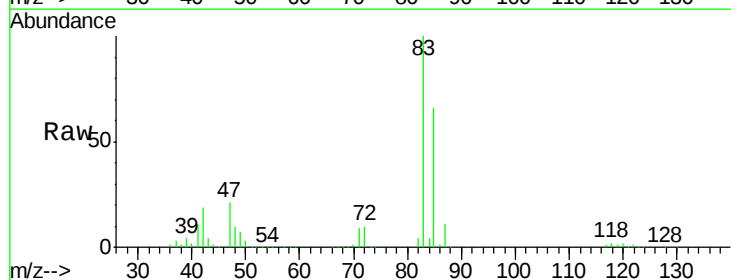
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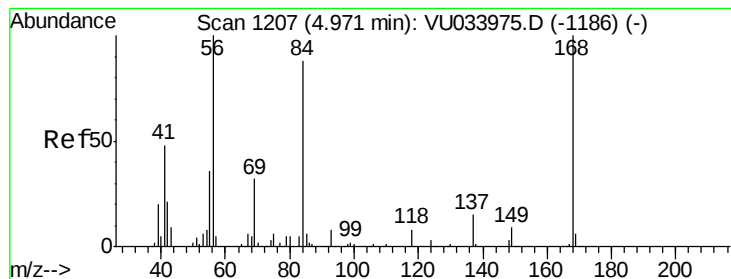
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#30
Chloroform
Concen: 111.282 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.1	78.1





#31

Cyclohexane

Concen: 115.488 ug/l

RT: 4.97 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 798508

Ion Ratio Lower Upper

56 100

69 32.5 25.9 38.9

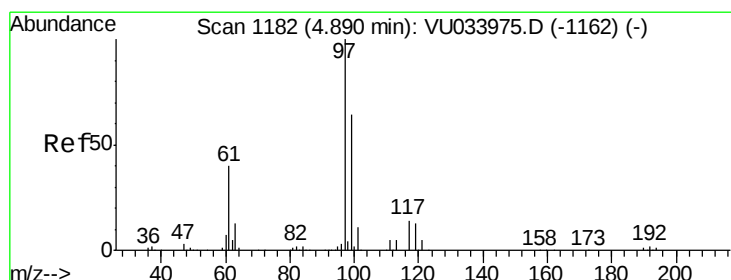
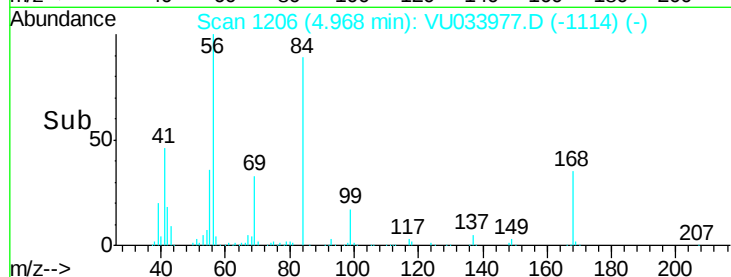
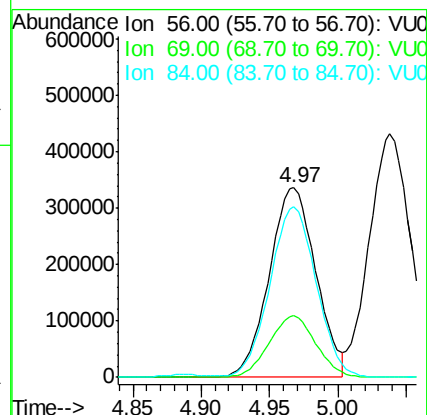
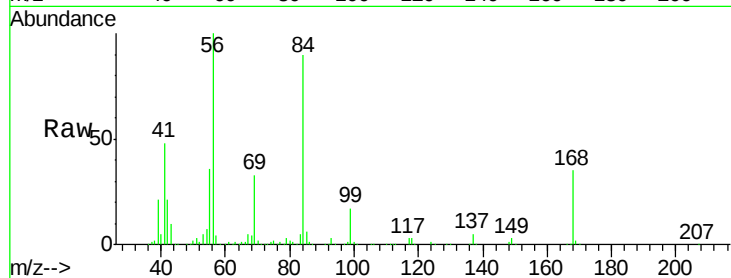
84 88.4 70.4 105.6

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#32

1,1,1-Trichloroethane

Concen: 121.488 ug/l

RT: 4.89 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

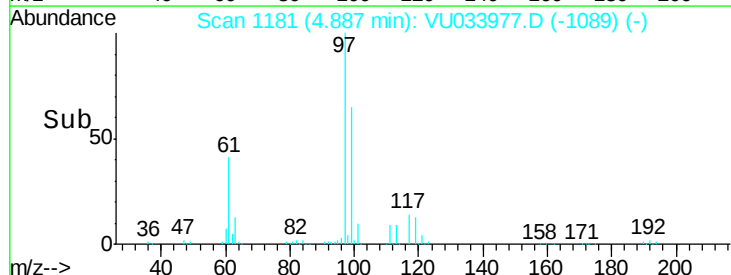
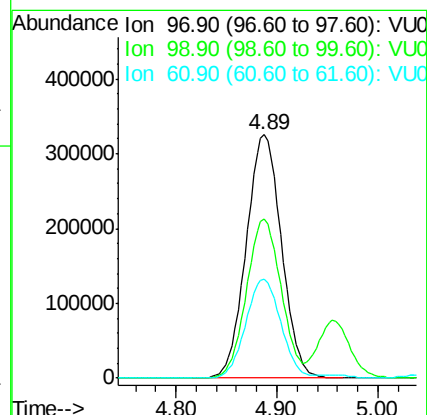
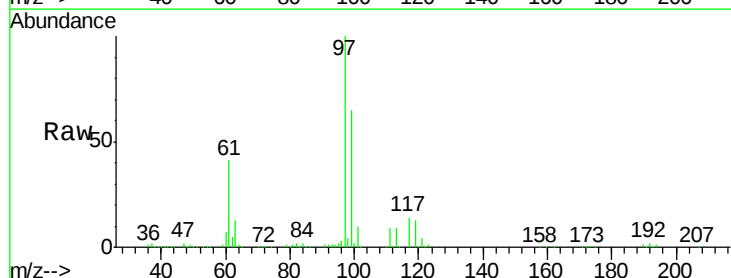
Tgt Ion: 97 Resp: 787001

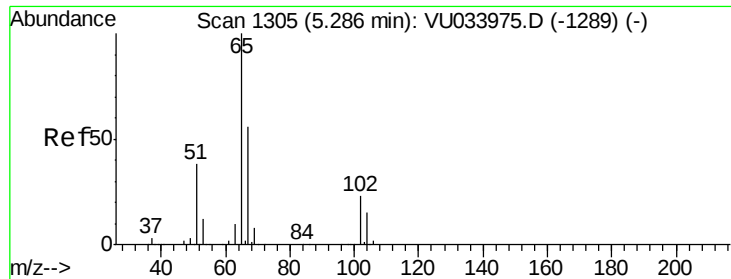
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 40.8 32.7 49.1





#33

1,2-Dichloroethane-d4

Concen: 113.184 ug/l

RT: 5.28 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 548700

Ion Ratio Lower Upper

65 100

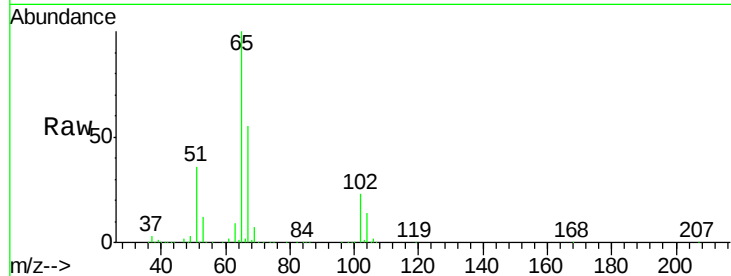
67 54.9 0.0 111.0

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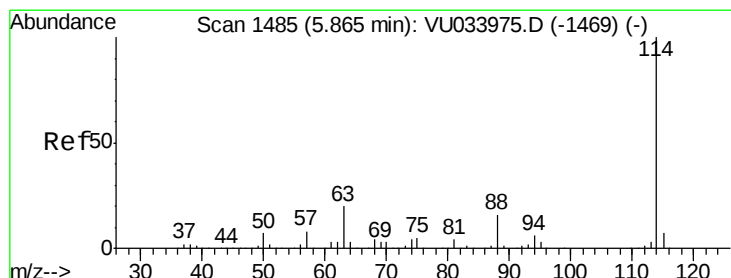
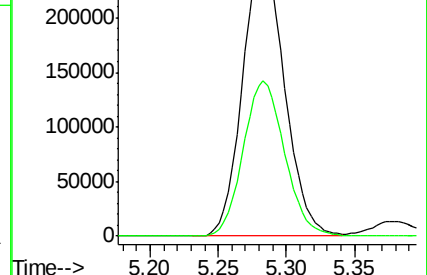
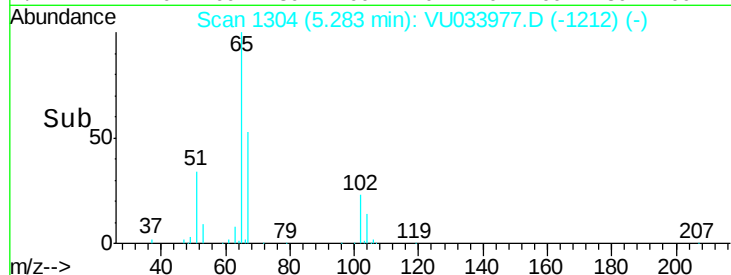


Abundance Ion 64.90 (64.60 to 65.60): VU033977.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU033977.D (-1212) (-)

5.28

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

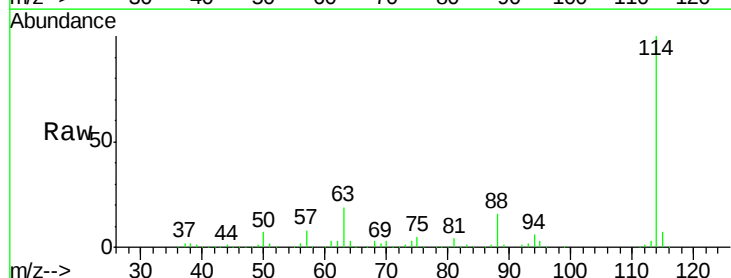
Tgt Ion: 114 Resp: 517394

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

88 15.6 0.0 31.2



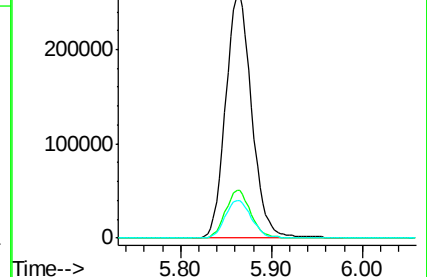
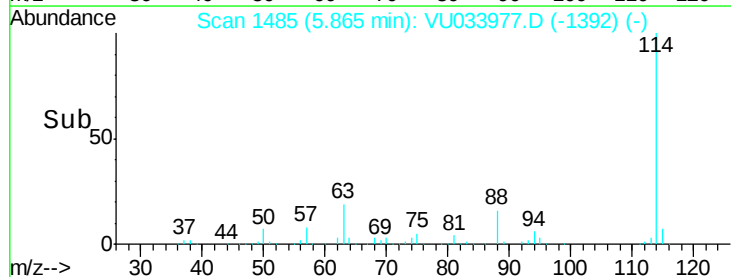
Abundance Ion 113.90 (113.60 to 114.60): VU033977.D (-1392) (-)

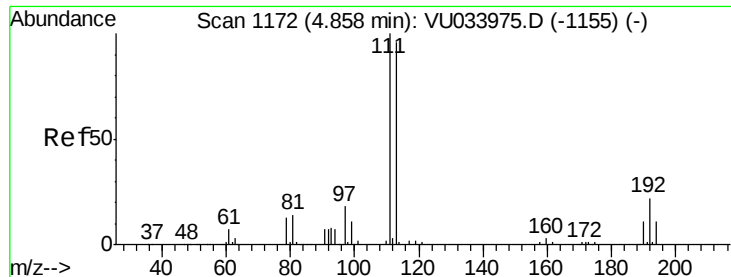
Ion 63.00 (62.70 to 63.70): VU033977.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU033977.D (-1392) (-)

5.86

Time-->





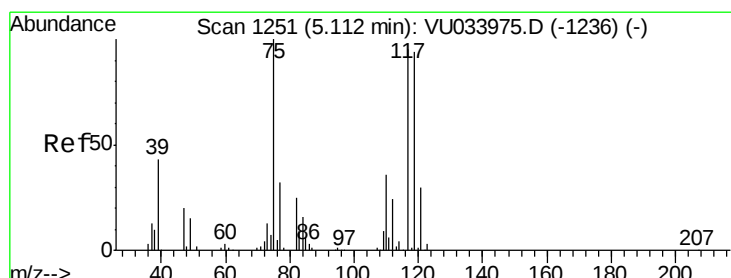
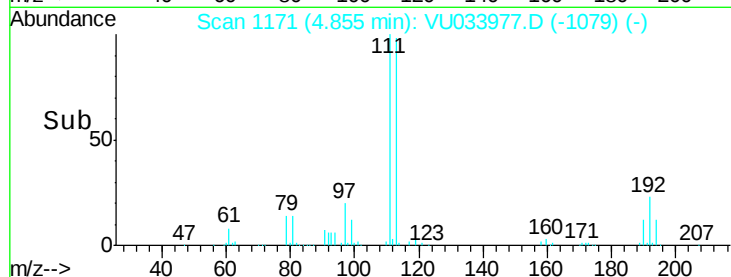
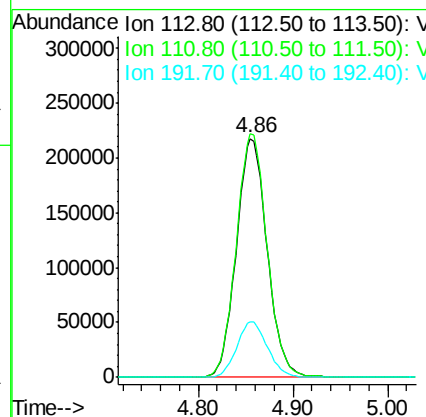
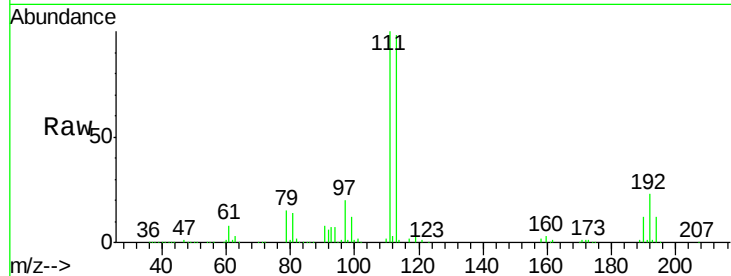
#35
Dibromofluoromethane
Concen: 135.133 ug/l
RT: 4.86 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	492211		
111	102.3	81.7	122.5	
192	23.3	18.6	27.8	

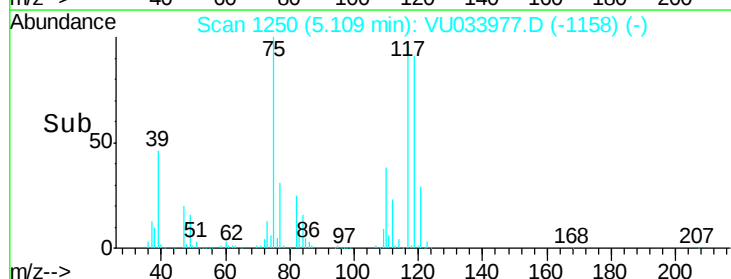
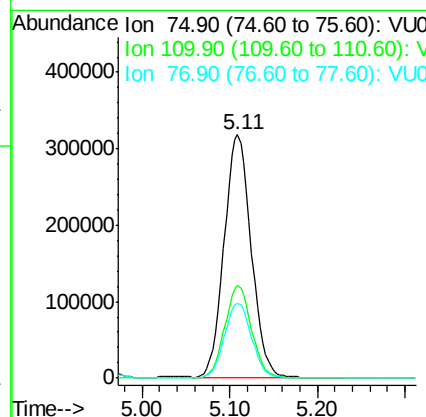
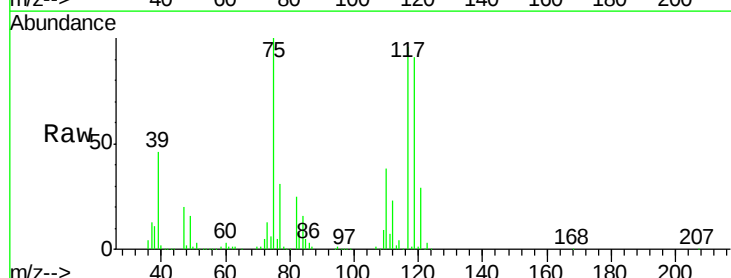
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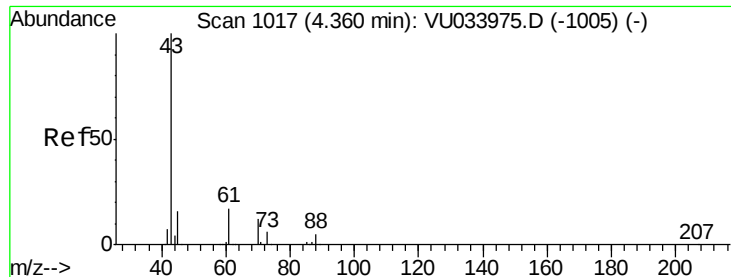
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#36
1,1-Dichloropropene
Concen: 130.866 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	683695		
110	37.5	18.2	54.6	
77	30.6	24.8	37.2	





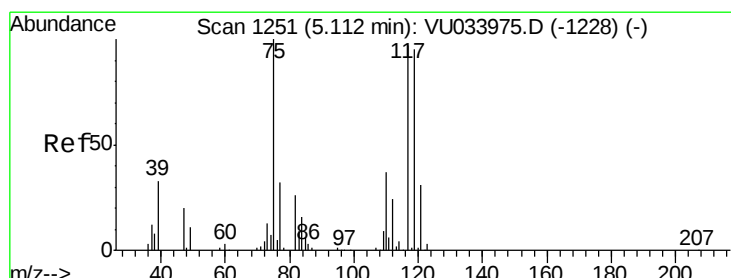
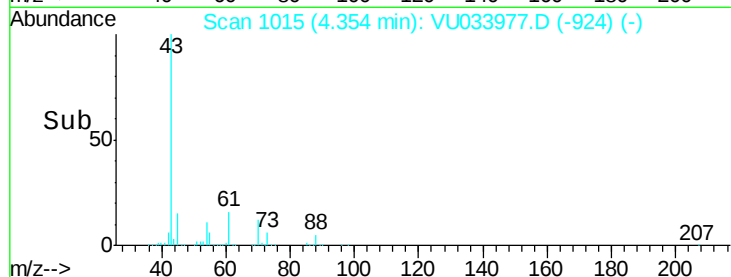
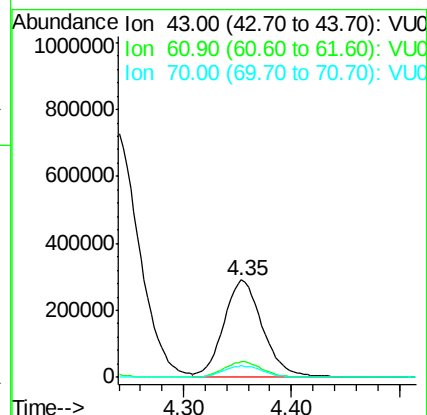
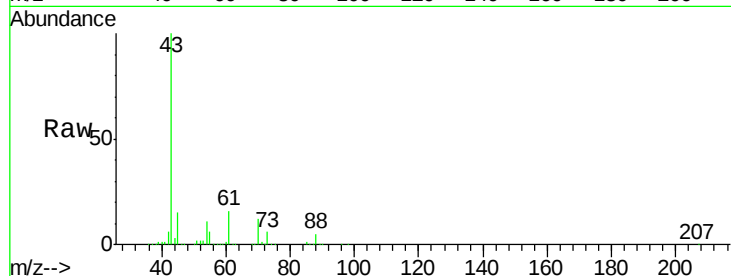
#37
Ethyl Acetate
Concen: 118.328 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.0	18.0
70	11.8	9.2	13.8

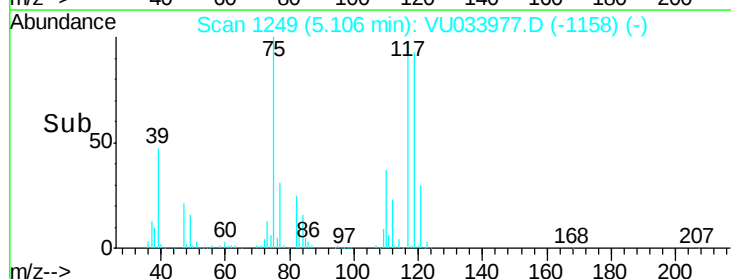
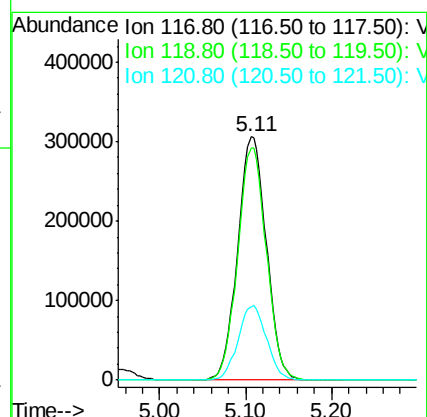
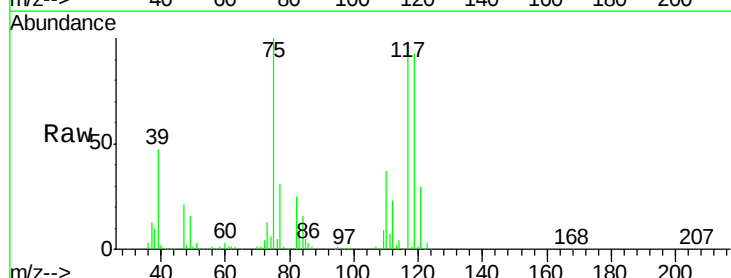
Manual Integrations
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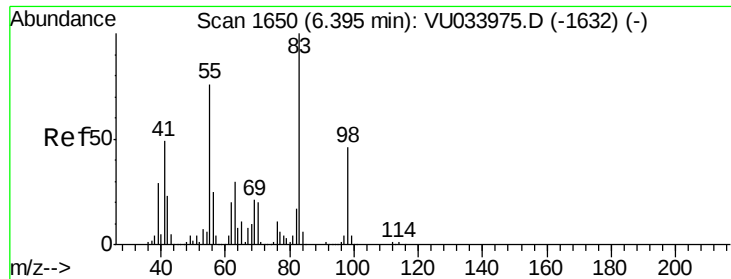
MMDadoda
8/28/2019 9:57:58 AM



#38
Carbon Tetrachloride
Concen: 134.571 ug/l
RT: 5.11 min Scan# 1249
Delta R.T. -0.01 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	78.4	117.6
121	30.3	25.4	38.2





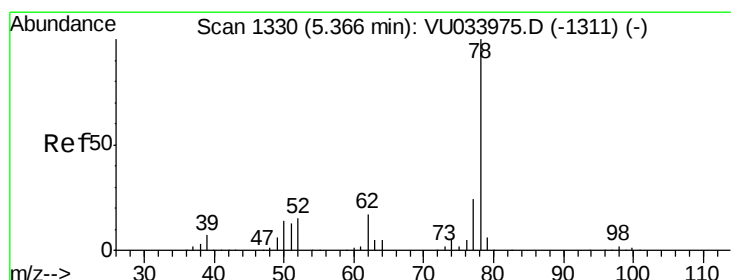
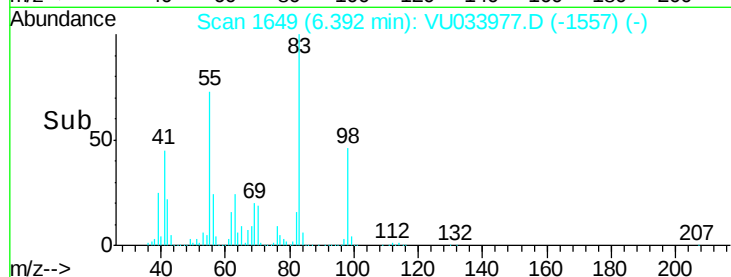
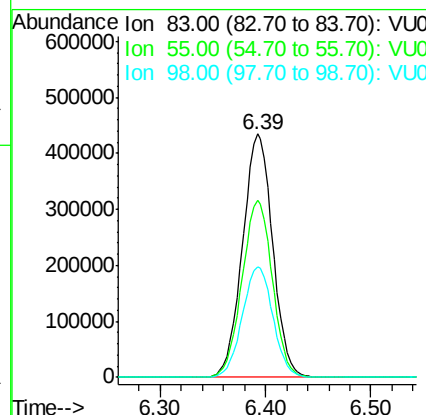
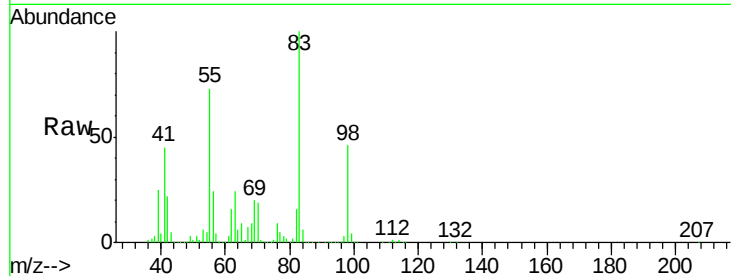
#39
Methylvlcvclohexane
Concen: 147.980 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	861462
Ion Ratio	Lower	Upper	
83	100		
55	73.0	60.8	91.2
98	45.6	36.5	54.7

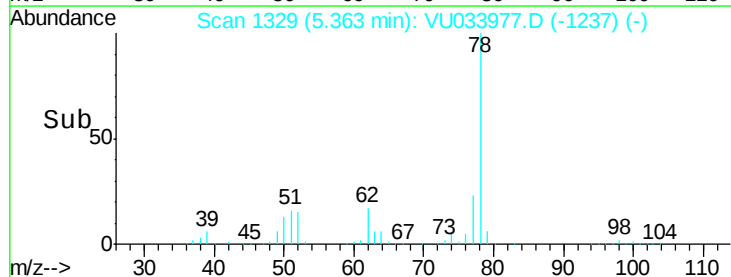
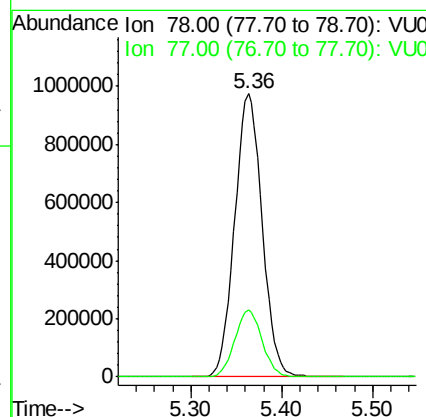
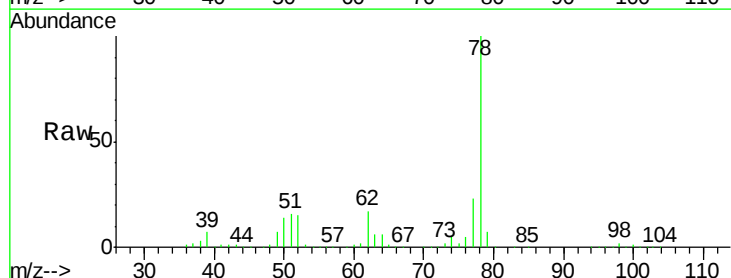
Manual Integrations
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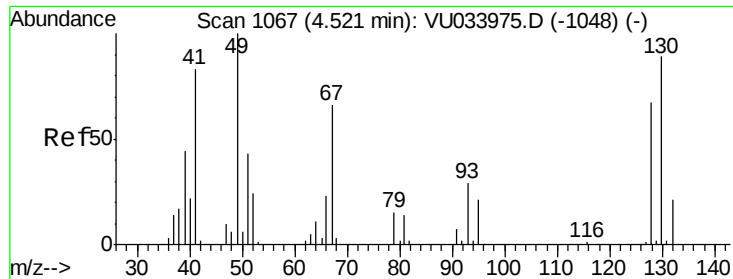
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#40
Benzene
Concen: 131.459 ug/l
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Tgt Ion	78	Resp	2042844
Ion Ratio	Lower	Upper	
78	100		
77	23.5	19.2	28.8





#41

Methacrylonitrile

Concen: 128.585 ug/l

RT: 4.52 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 391486
Ion Ratio Lower Upper

41 100

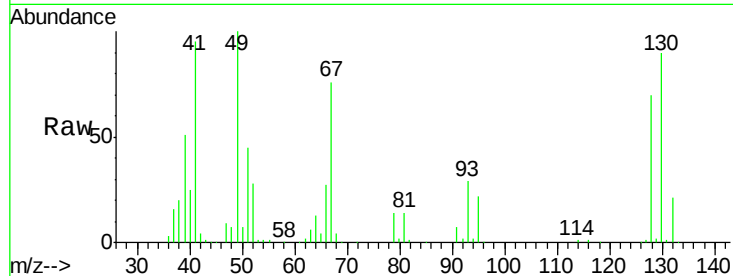
39 52.5 41.5 62.3

67 80.6 65.0 97.6

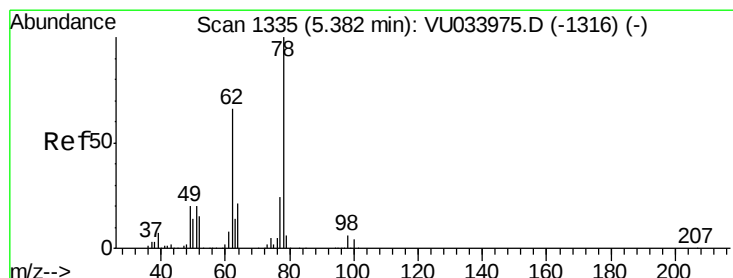
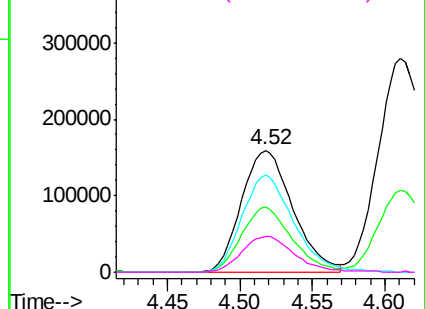
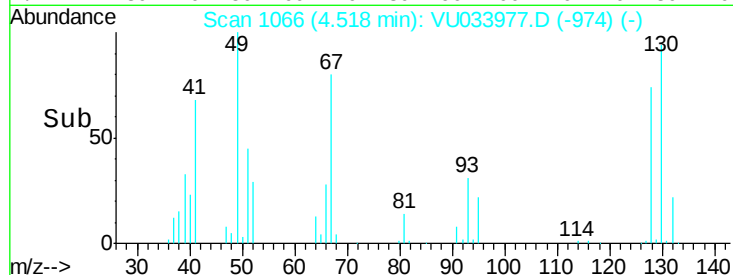
52 29.9 23.3 34.9

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Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 119.455 ug/l

RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

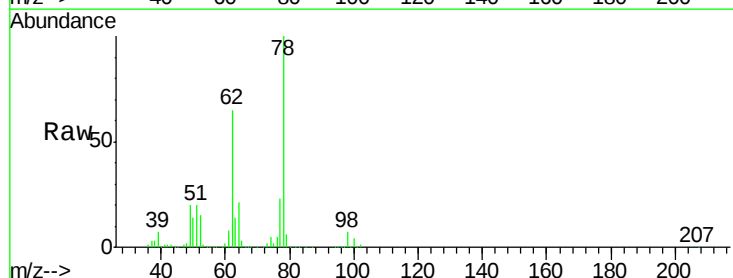
Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

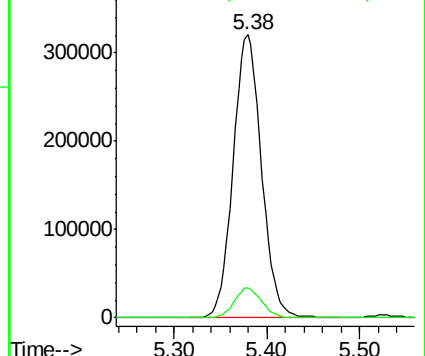
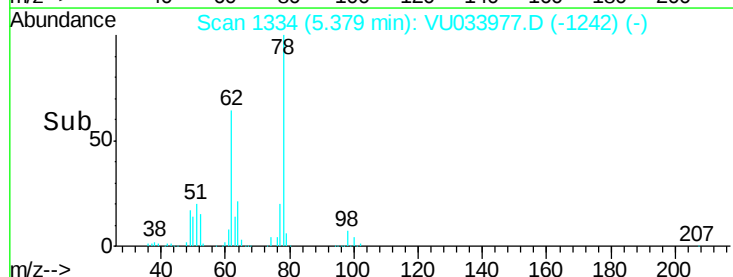
Tgt Ion: 62 Resp: 678442
Ion Ratio Lower Upper

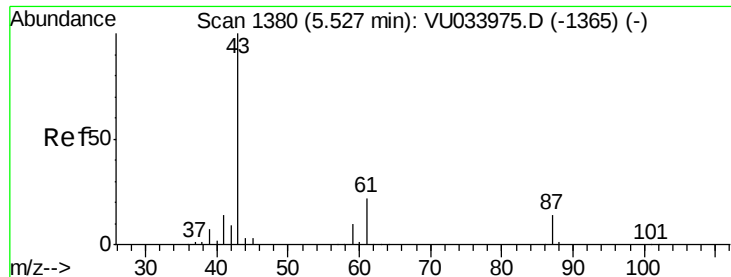
62 100

98 10.3 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 130.997 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1162666

Ion Ratio Lower Upper

43 100

61 22.4 17.8 26.8

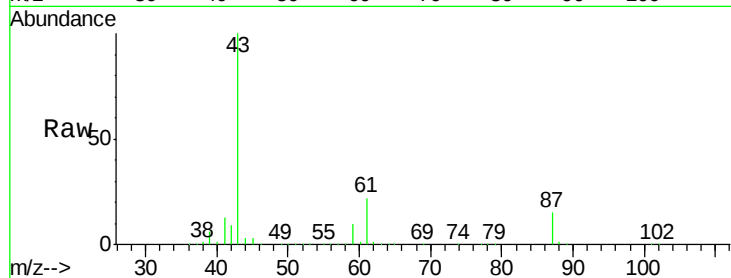
87 15.0 11.9 17.9

Manual Integrations

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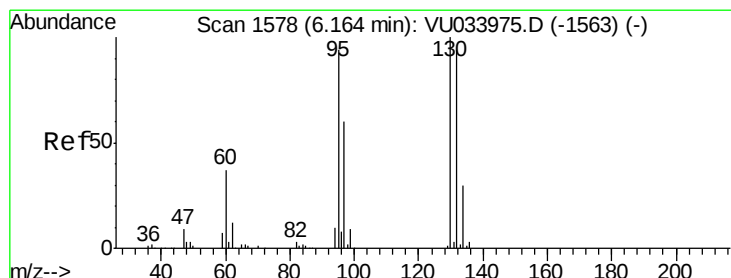
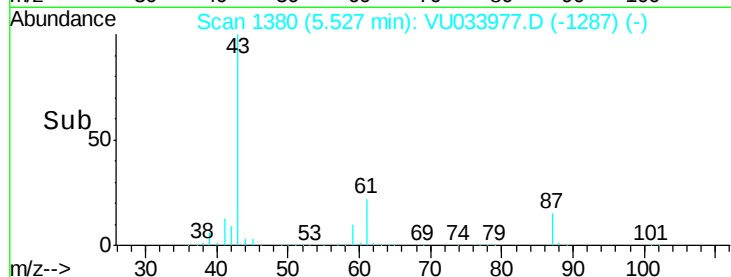
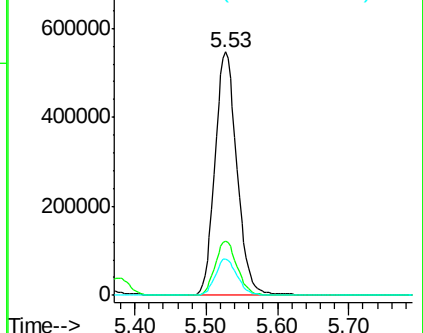
8/28/2019 9:57:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VU033977.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU033977.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU033977.D (-1287) (-)



#44

Trichloroethene

Concen: 142.651 ug/l

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU033977.D

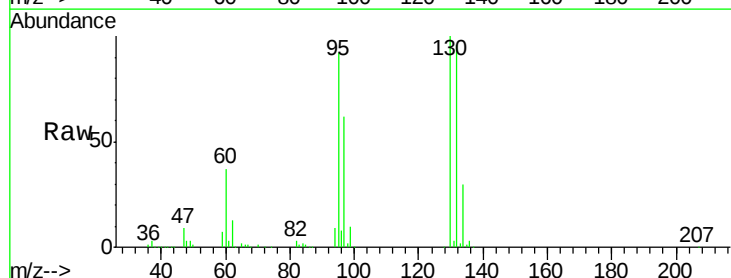
Acq: 27 Aug 2019 16:42

Tgt Ion:130 Resp: 585485

Ion Ratio Lower Upper

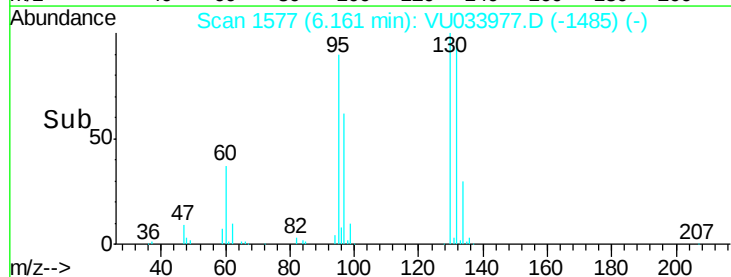
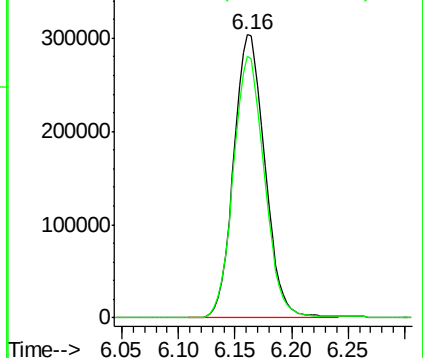
130 100

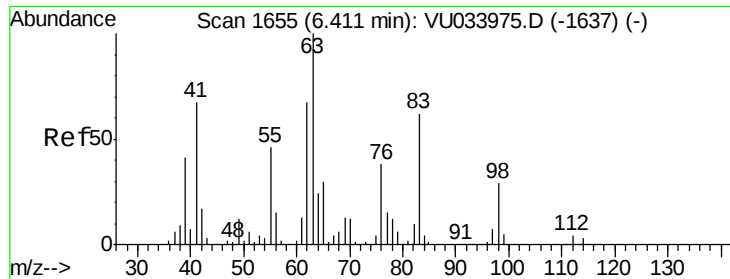
95 92.3 0.0 187.6



Abundance Ion 129.80 (129.50 to 130.50): VU033977.D (-1485) (-)

Ion 94.90 (94.60 to 95.60): VU033977.D (-1485) (-)





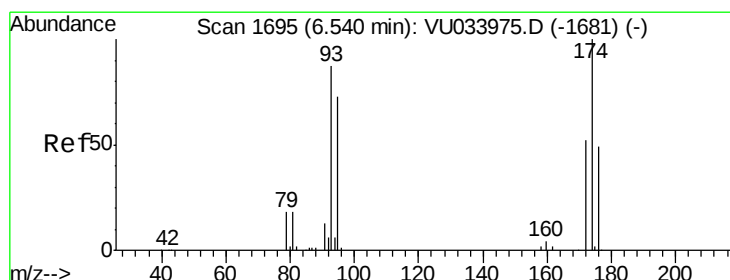
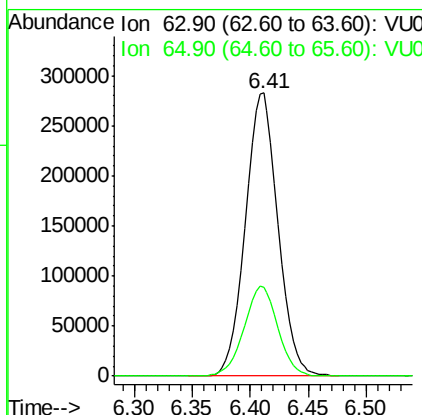
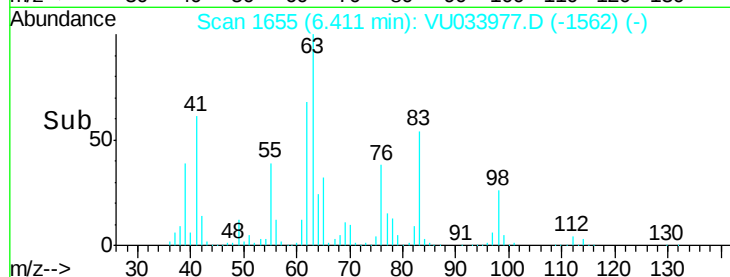
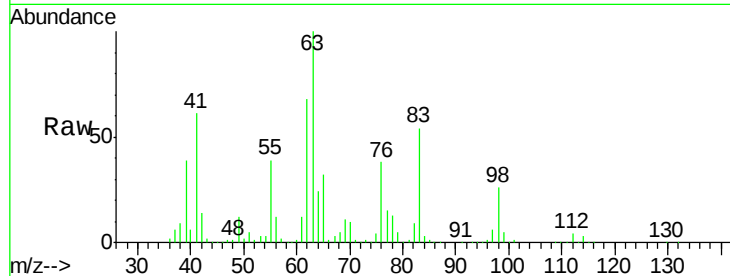
#45
 1,2-Dichloropropane
 Concen: 129.273 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.3	36.5

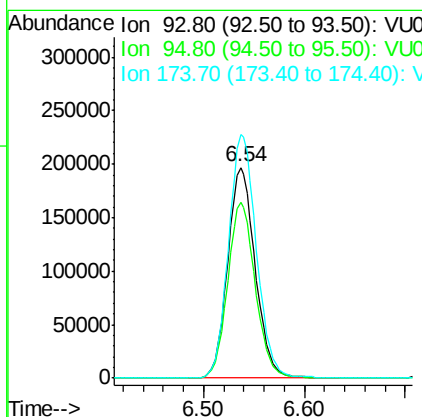
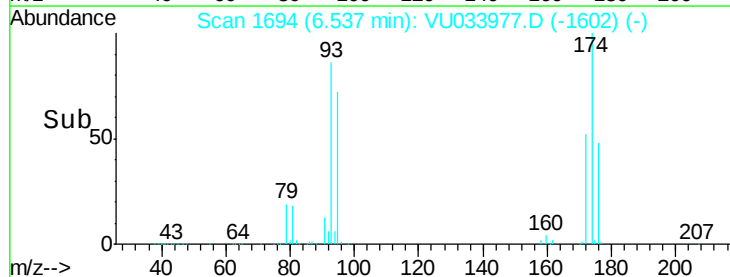
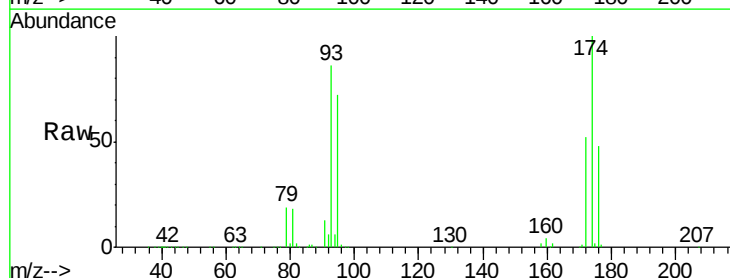
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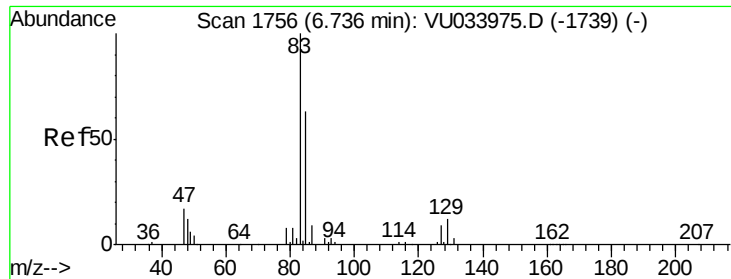
MMDadoda
 8/28/2019 9:57:58 AM



#46
 Dibromomethane
 Concen: 135.117 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.2	99.4
174	117.1	92.2	138.2





#47

Bromodichloromethane

Concen: 131.866 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

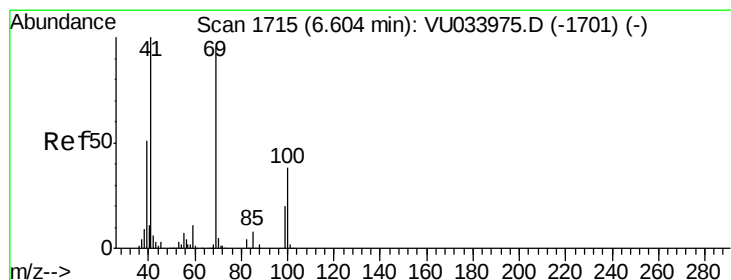
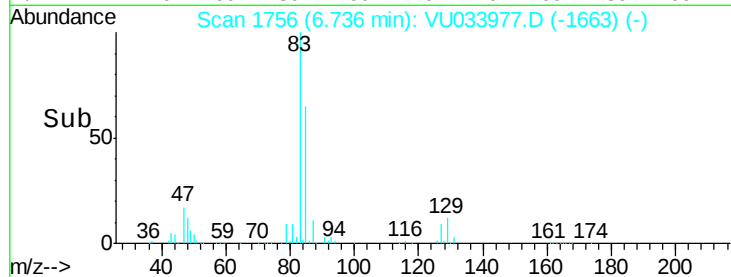
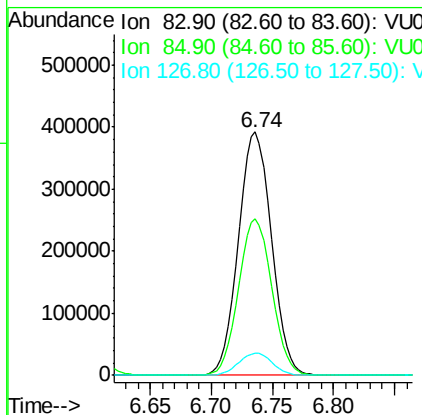
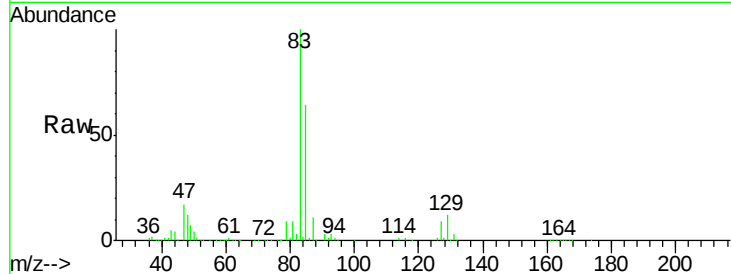
ClientSampleId :

VSTDICC150

Tot Ion:	83	Resp:	735549
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.6	76.0
127	9.1	7.4	11.0

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#48

Methyl methacrylate

Concen: 144.108 ug/l

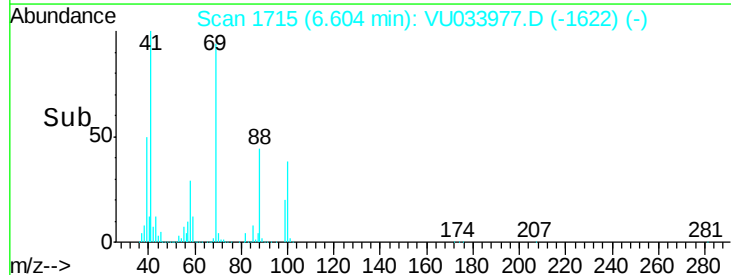
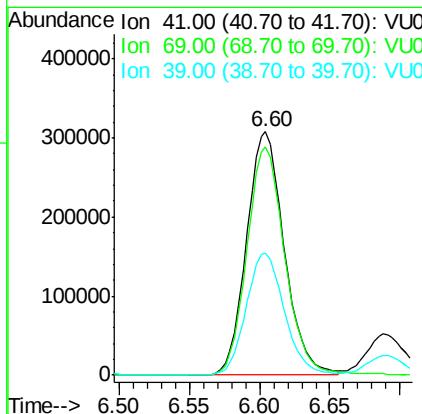
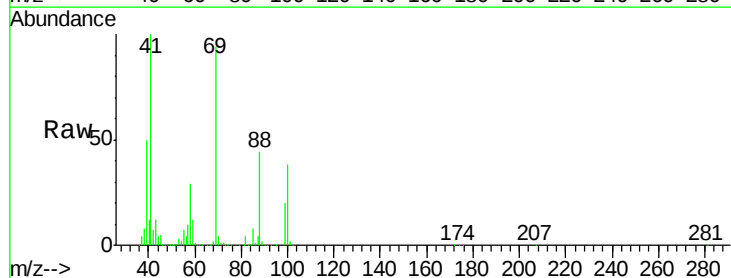
RT: 6.60 min Scan# 1715

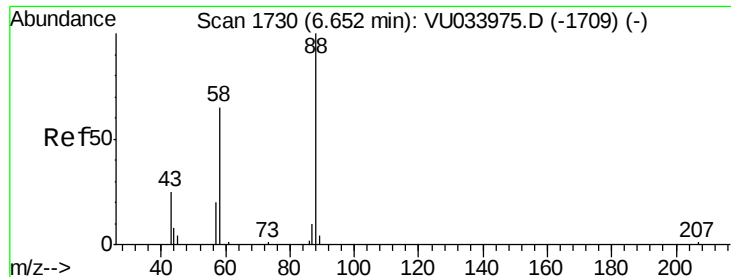
Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Tgt Ion:	41	Resp:	574703
Ion	Ratio	Lower	Upper
41	100		
69	95.1	76.3	114.5
39	50.4	41.1	61.7





#49

1,4-Dioxane

Concen: 3367.246 ug/l

RT: 6.60 min Scan# 1713

Delta R.T. -0.05 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

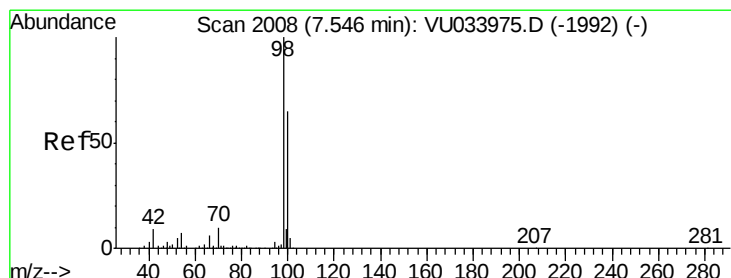
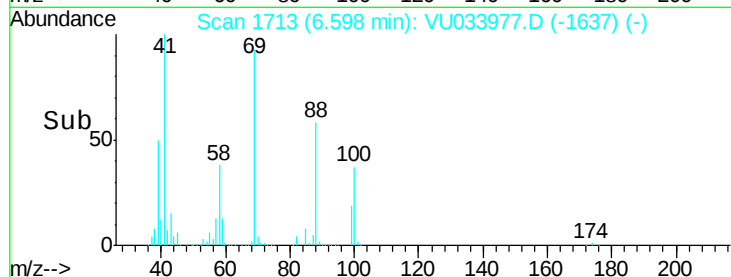
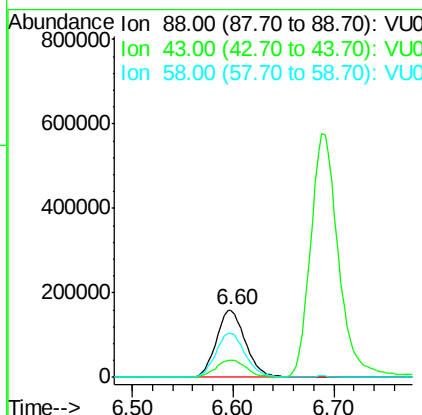
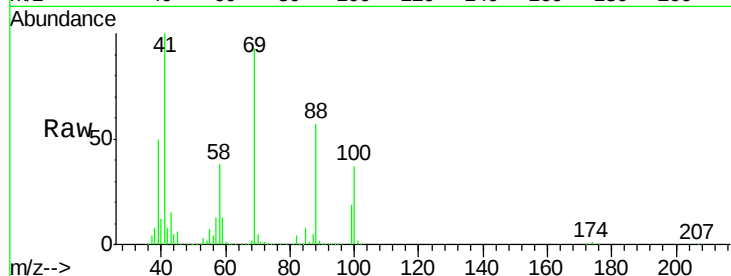
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.2	0.0	0.0#
58	67.0	56.6	85.0

Manual Integrations
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#50

Toluene-d8

Concen: 141.638 ug/l

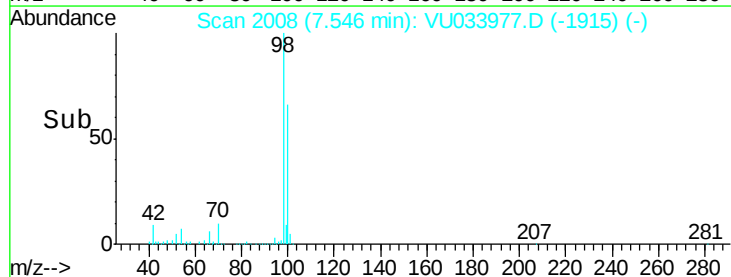
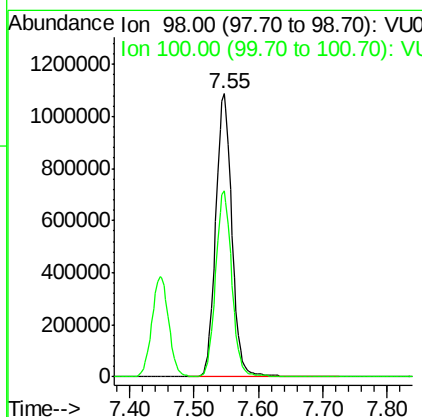
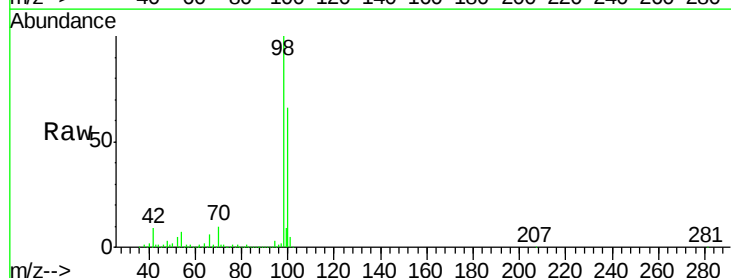
RT: 7.55 min Scan# 2008

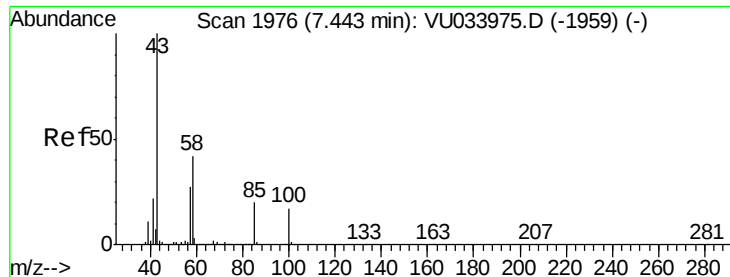
Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.5	77.3





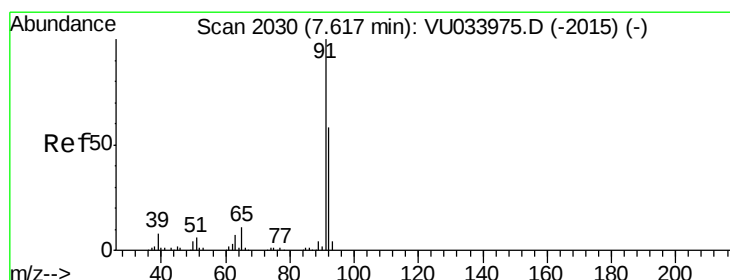
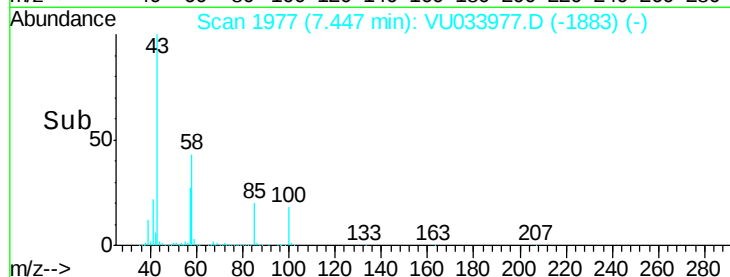
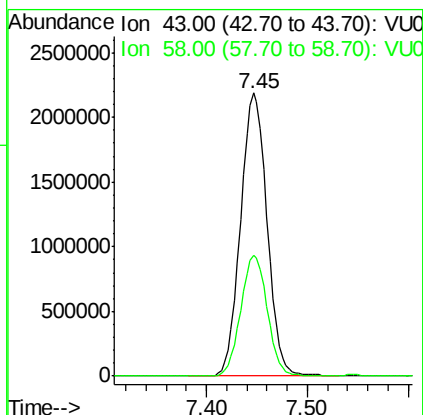
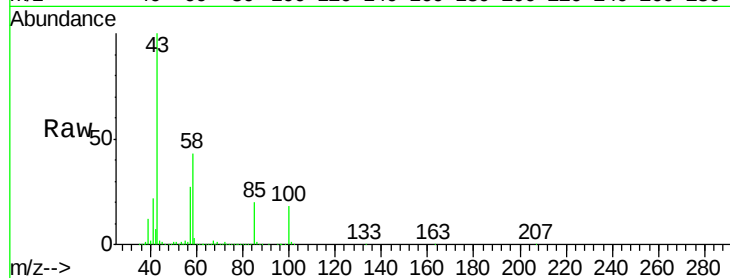
#51
 4-Methyl-2-Pentanone
 Concen: 659.359 ug/l
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 3963405
 Ion Ratio Lower Upper
 43 100
 58 42.8 33.6 50.4

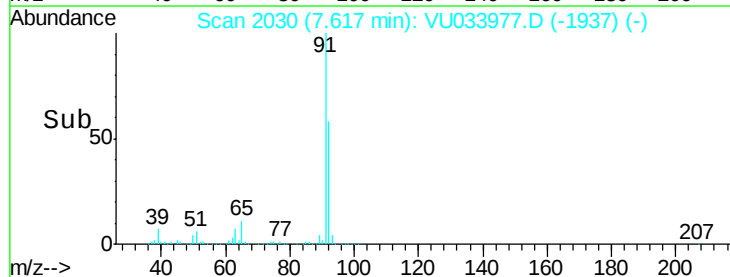
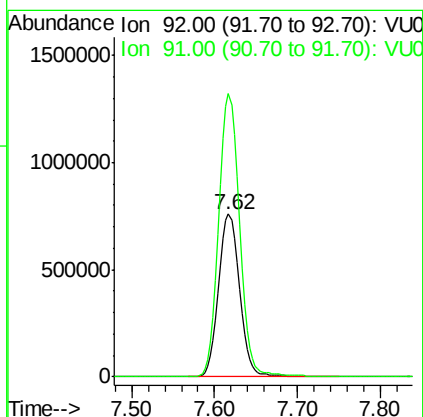
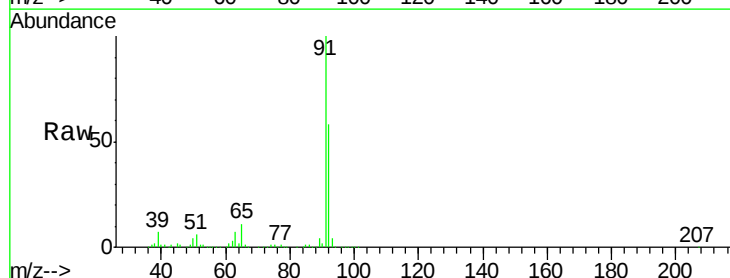
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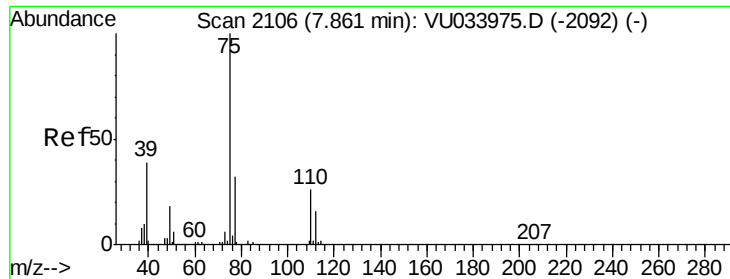
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#52
 Toluene
 Concen: 147.516 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Tgt Ion: 92 Resp: 1338926
 Ion Ratio Lower Upper
 92 100
 91 172.8 138.8 208.2





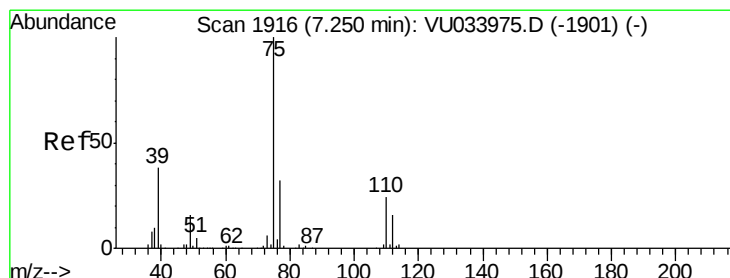
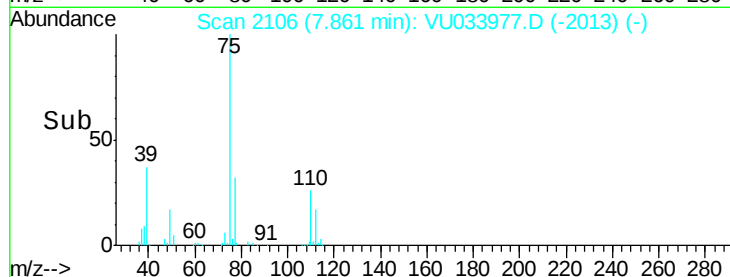
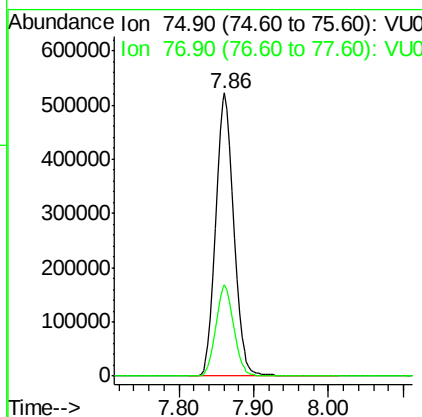
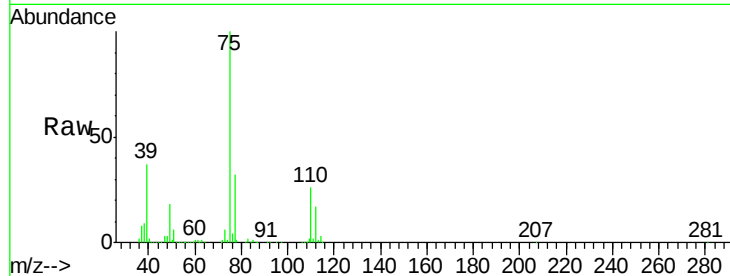
#53
t-1,3-Dichloropropene
Concen: 152.108 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2

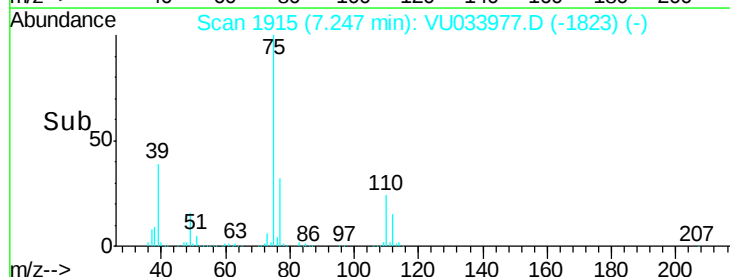
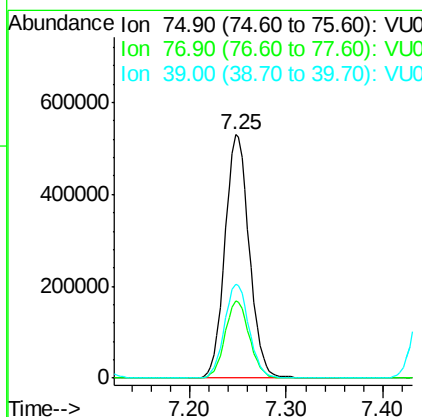
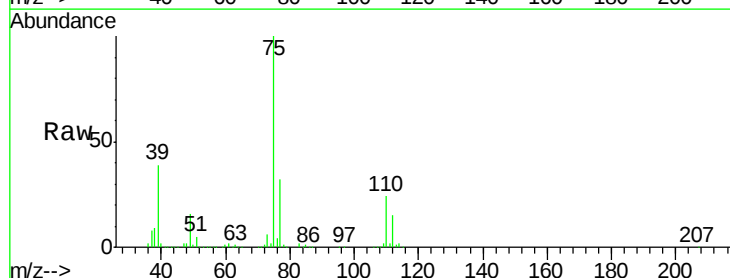
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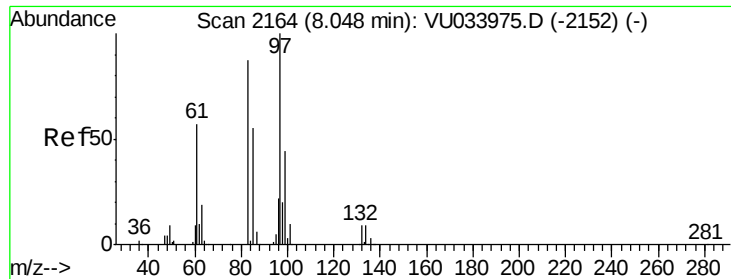
MMDadoda
8/28/2019 9:57:58 AM



#54
cis-1,3-Dichloropropene
Concen: 143.786 ug/l
RT: 7.25 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.6	38.4
39	38.7	30.7	46.1





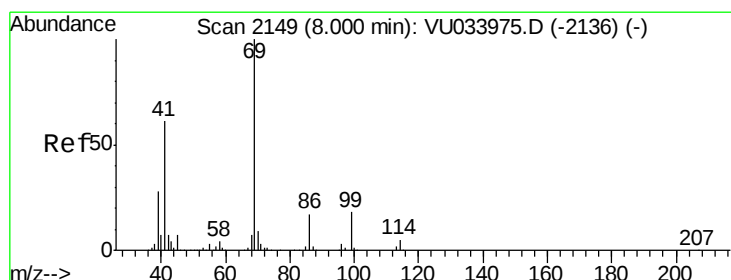
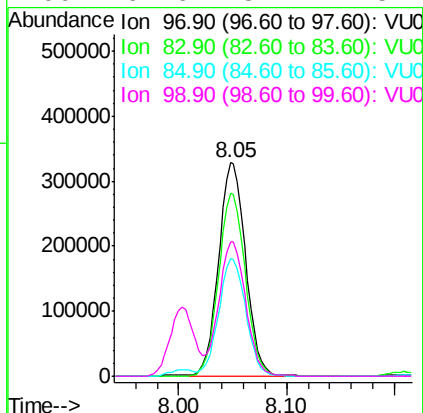
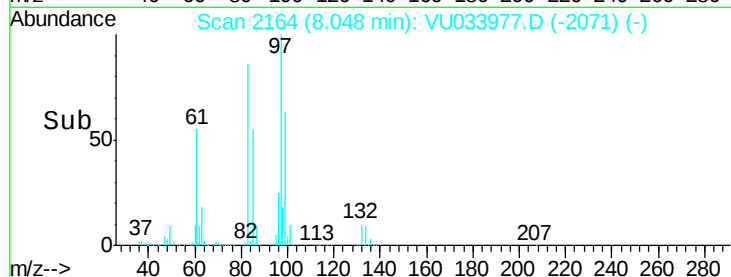
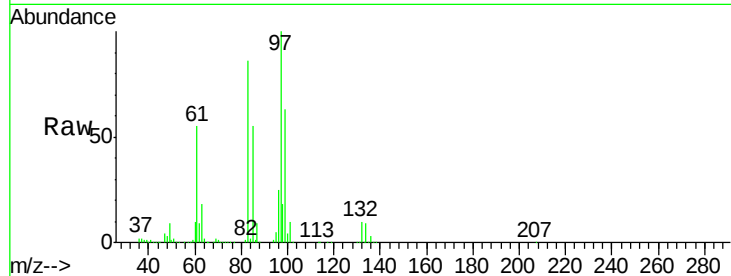
#55
 1,1,2-Trichloroethane
 Concen: 143.405 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		570743		
83	85.7	69.8	104.6		
85	55.0	45.2	67.8		
99	62.6	52.2	78.4		

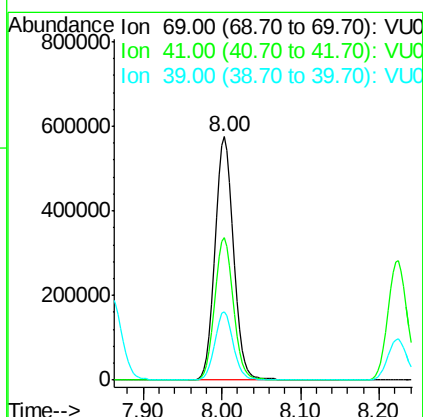
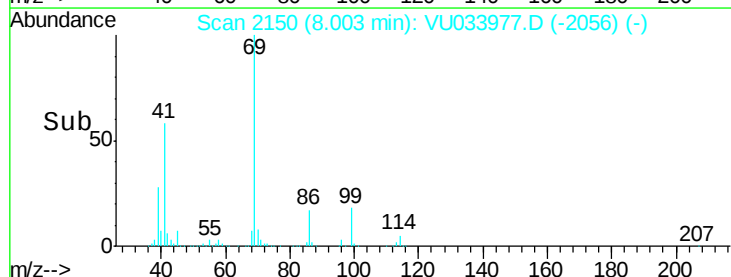
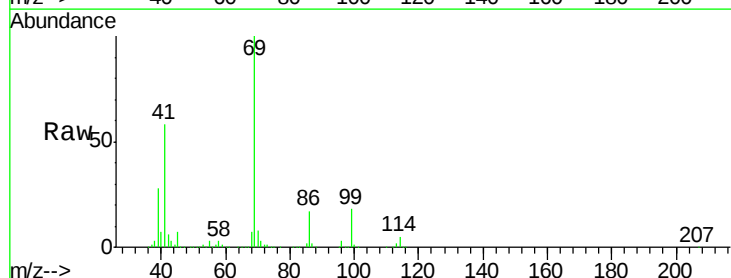
Manual Integrations
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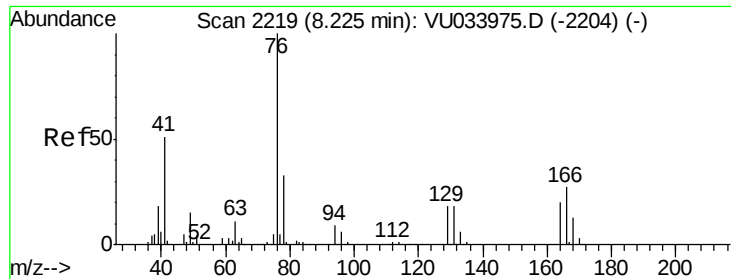
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 8/28/2019 9:57:58 AM



#56
 Ethyl methacrylate
 Concen: 173.033 ug/l
 RT: 8.00 min Scan# 2150
 Delta R.T. 0.00 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		935548		
41	58.7	48.6	72.8		
39	27.7	22.4	33.6		





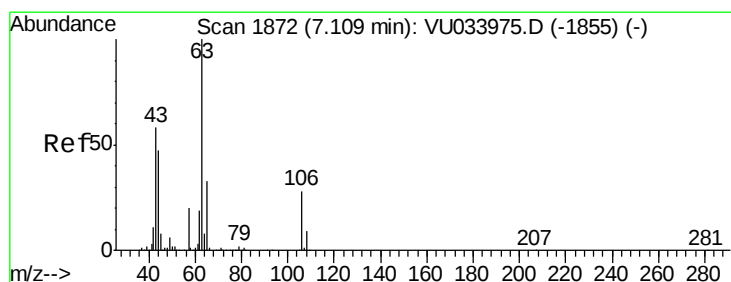
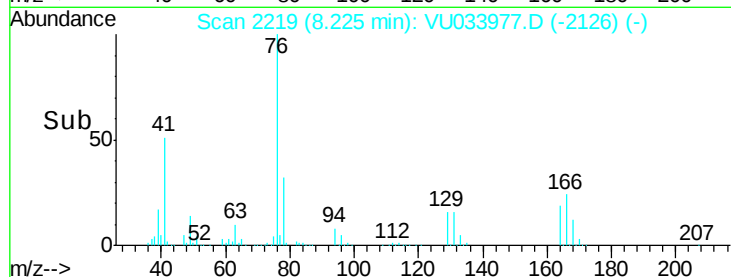
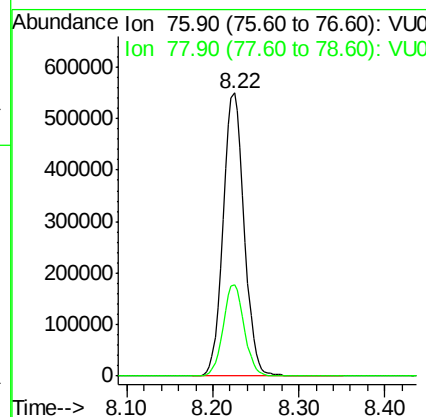
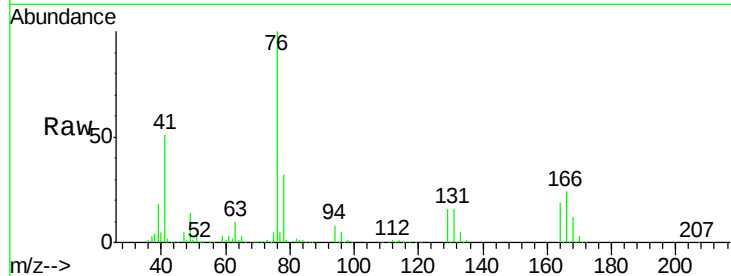
#57
 1,3-Dichloropropane
 Concen: 135.784 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 934285
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

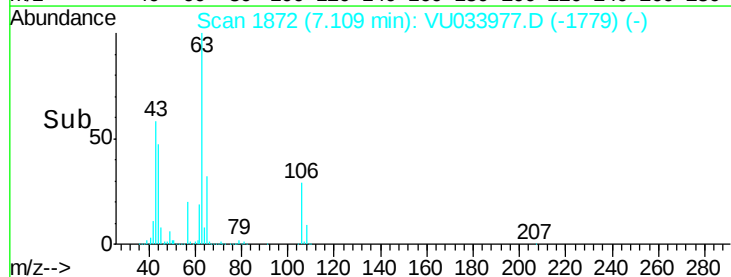
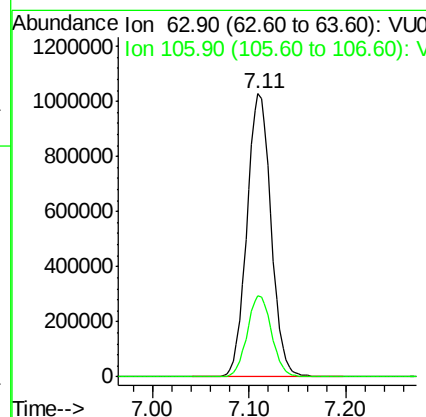
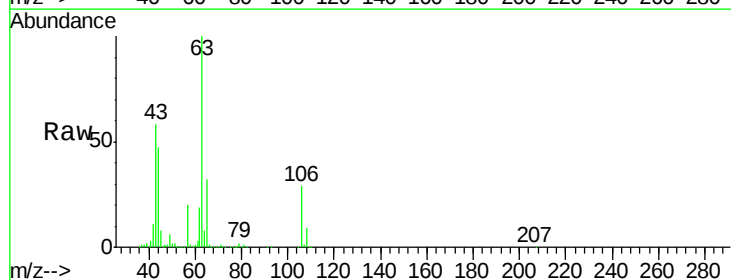
Manual Integrations
 APPROVED

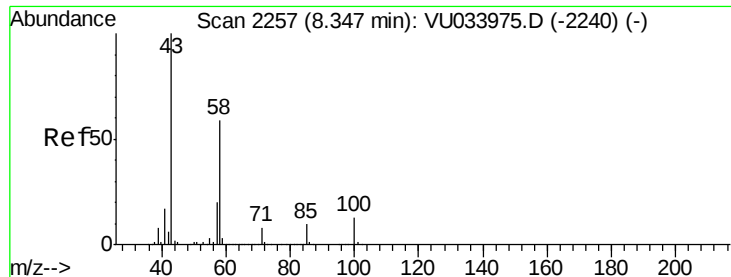
MMDadoda
 8/28/2019 9:57:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 924.130 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Tgt Ion: 63 Resp: 1783615
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.4 33.6





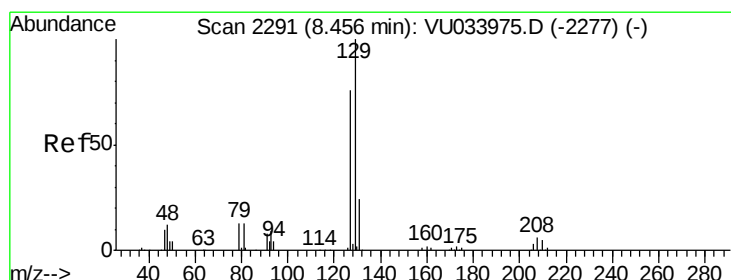
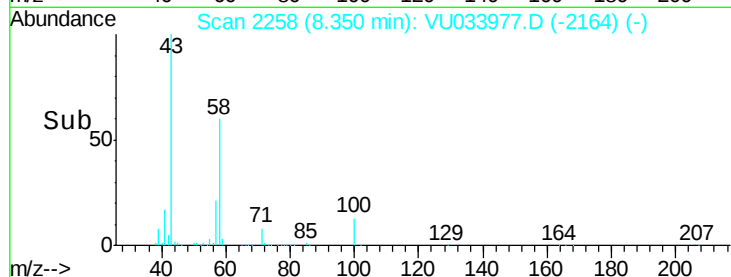
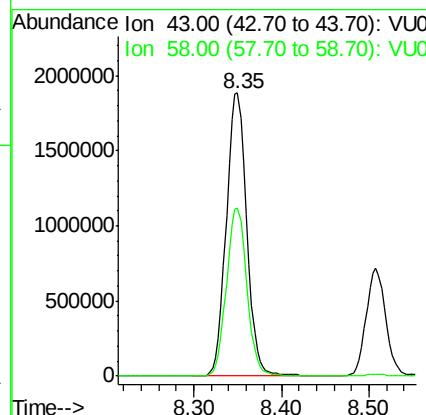
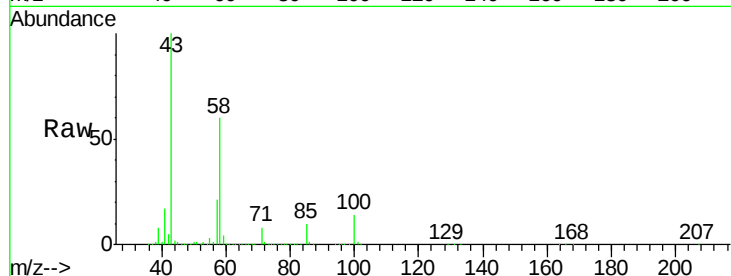
#59
2-Hexanone
Concen: 669.594 ug/l
RT: 8.35 min Scan# 2258
Delta R.T. 0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3069365
Ion Ratio Lower Upper
43 100
58 59.5 29.5 88.6

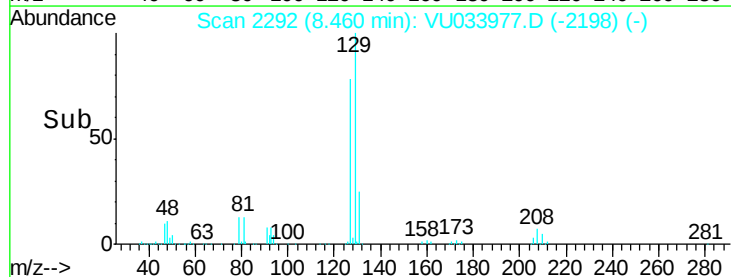
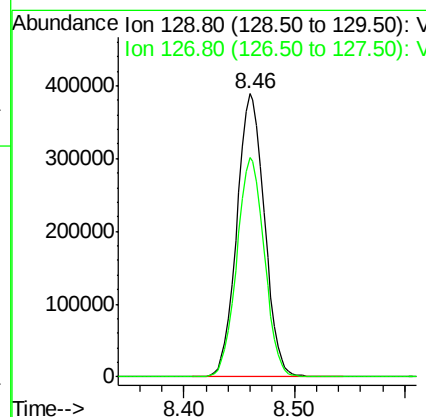
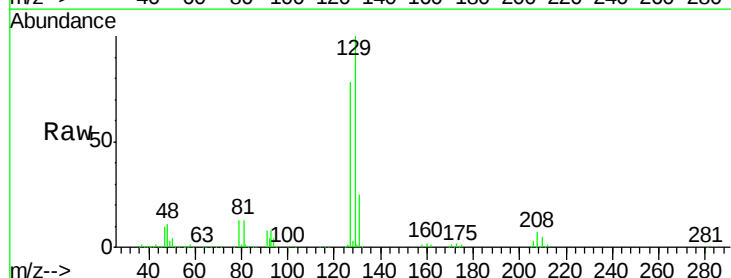
Manual Integrations
APPROVED

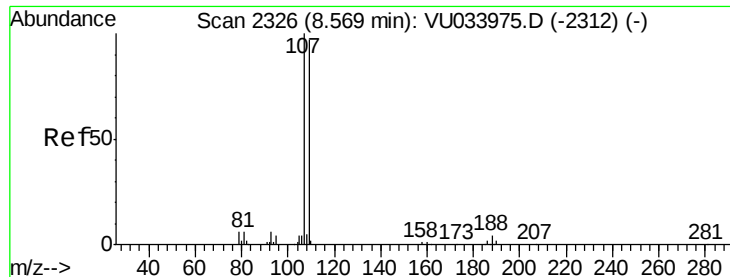
MMDadoda
8/28/2019 9:57:58 AM



#60
Dibromochloromethane
Concen: 160.896 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Tgt Ion: 129 Resp: 675905
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.4





#61

1,2-Dibromoethane

Concen: 148.708 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 615189

Ion Ratio Lower Upper

107 100

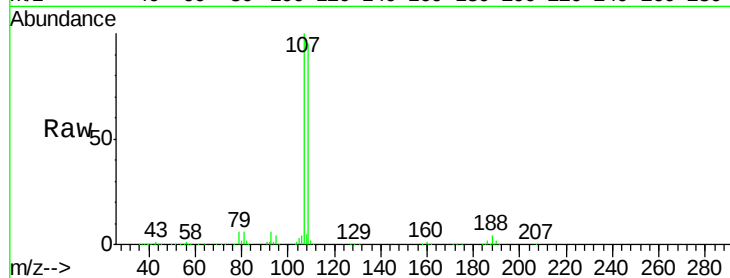
109 94.8 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

8/28/2019 9:57:58 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

400000

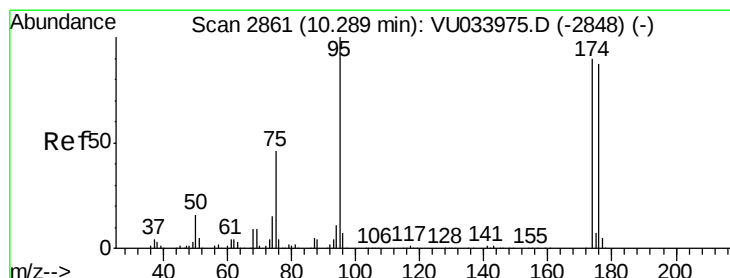
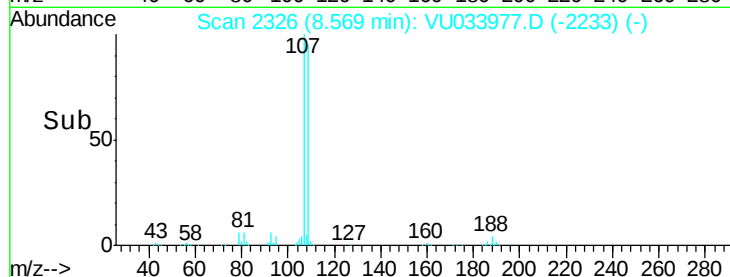
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 148.608 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

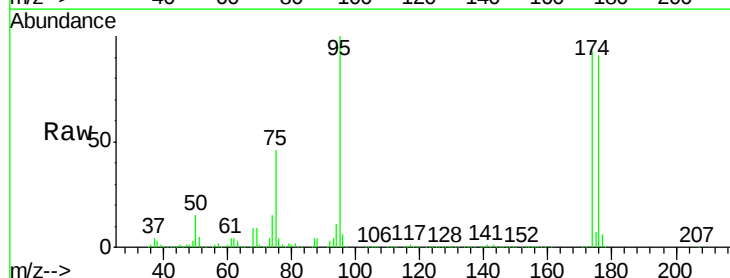
Tgt Ion: 95 Resp: 763297

Ion Ratio Lower Upper

95 100

174 92.5 0.0 183.8

176 90.0 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.29

600000

500000

400000

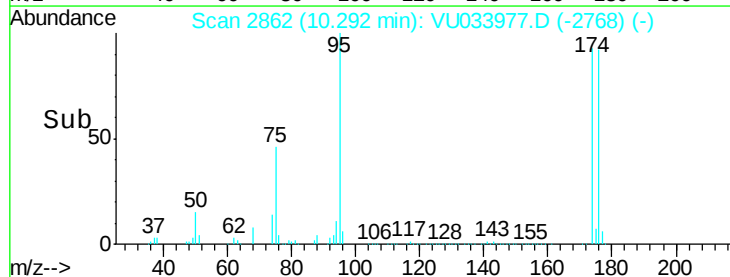
300000

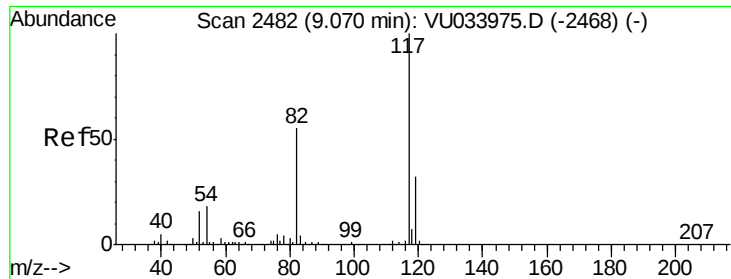
200000

100000

0

Time-->





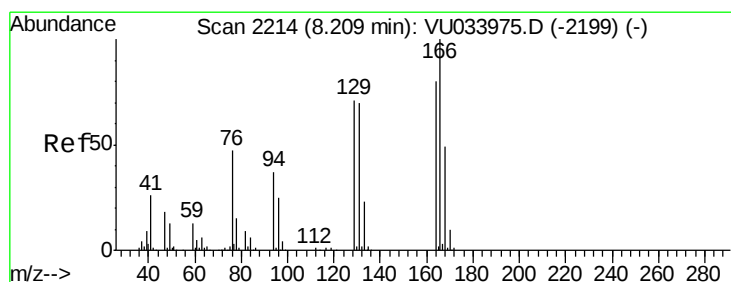
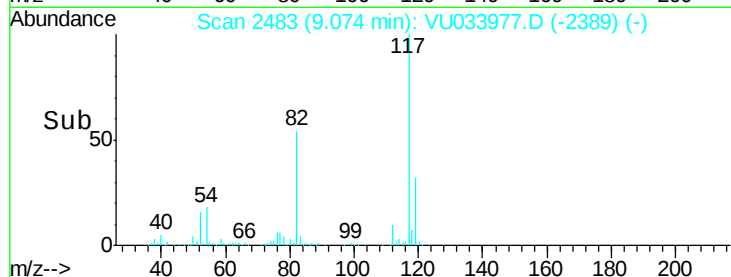
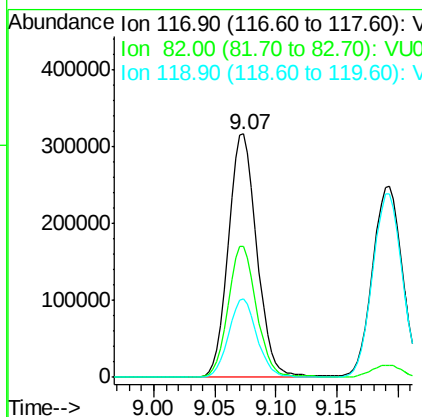
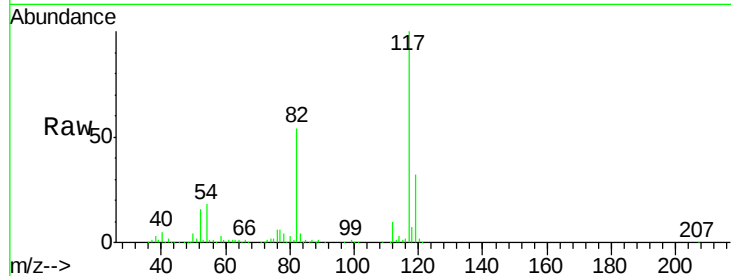
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2483
Delta R.T. 0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	518692		
82	53.8		43.8	65.8
119	32.2		25.7	38.5

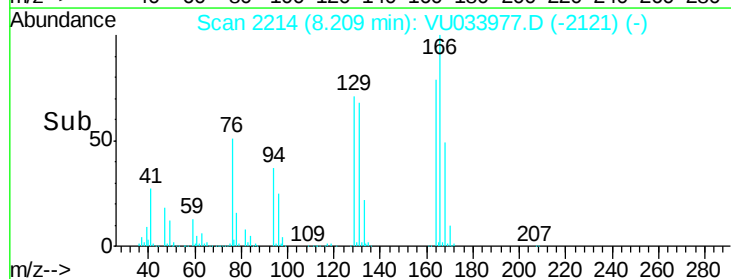
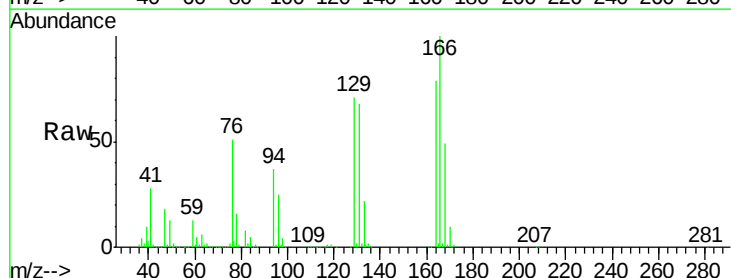
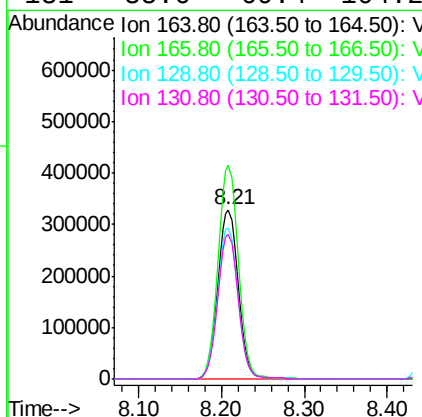
Manual Integrations
APPROVED

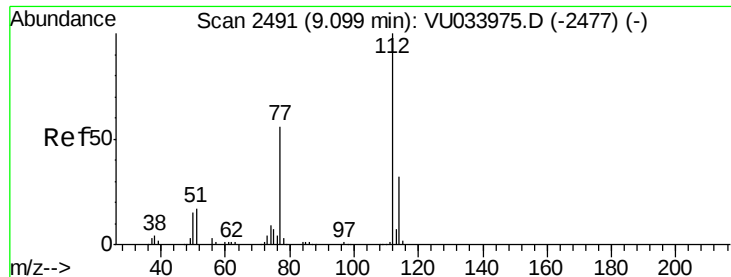
MMDadoda
8/28/2019 9:57:58 AM



#64
Tetrachloroethene
Concen: 145.844 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	558532		
166	126.1		99.5	149.3
129	89.3		70.9	106.3
131	85.6		69.4	104.2





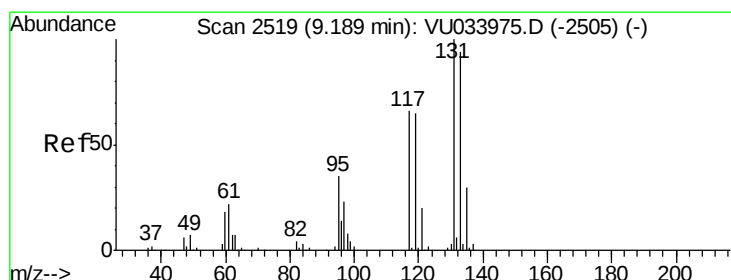
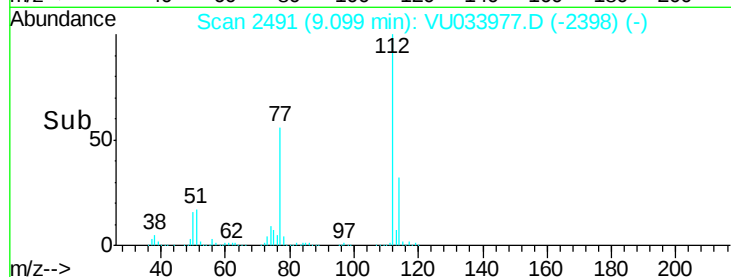
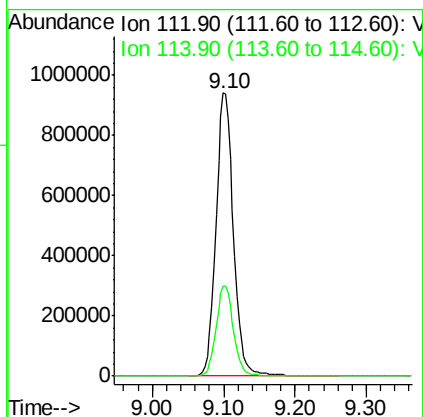
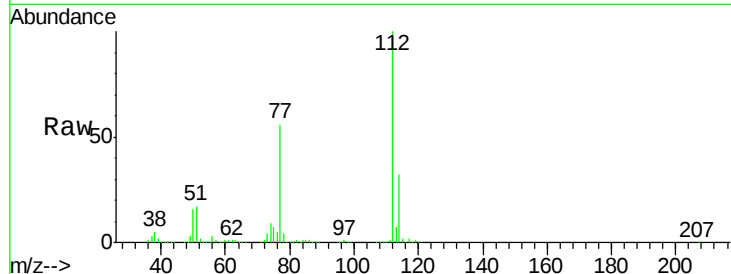
#65
Chlorobenzene
Concen: 148.342 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1588196
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8

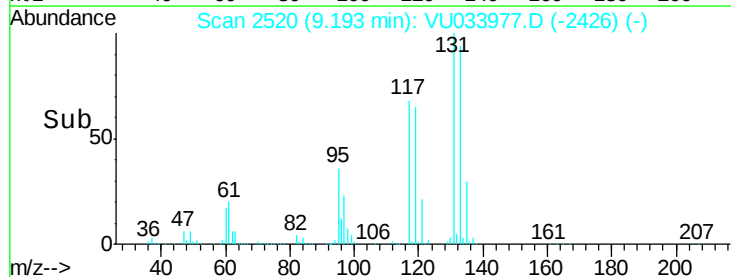
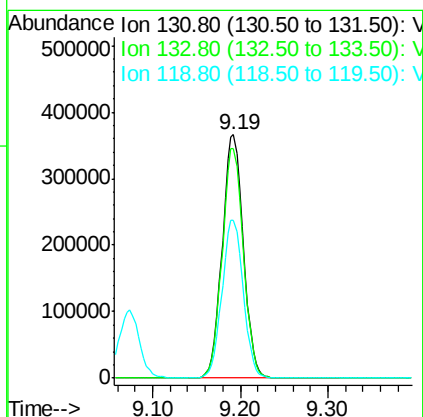
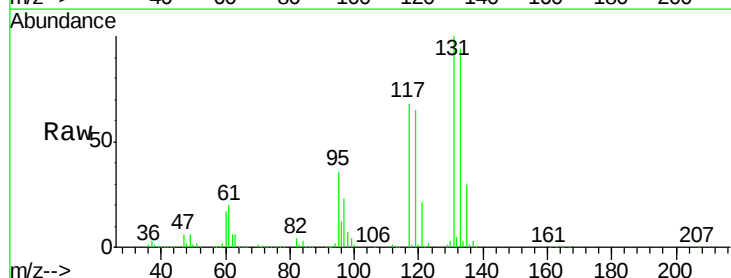
Manual Integrations
APPROVED

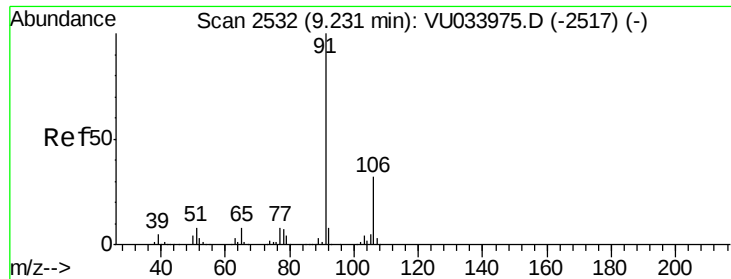
MMDadoda
8/28/2019 9:57:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 154.004 ug/l
RT: 9.19 min Scan# 2520
Delta R.T. 0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Tgt Ion:131 Resp: 612010
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 65.2 33.0 98.9





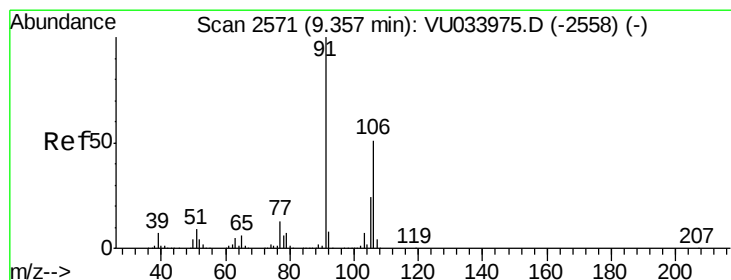
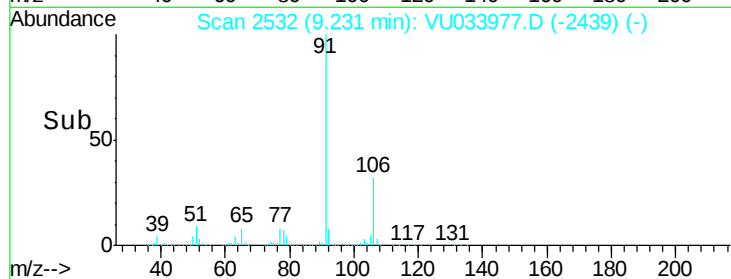
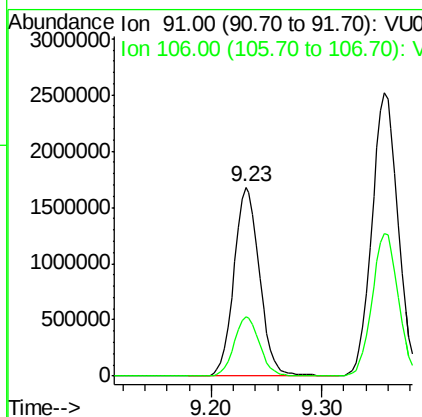
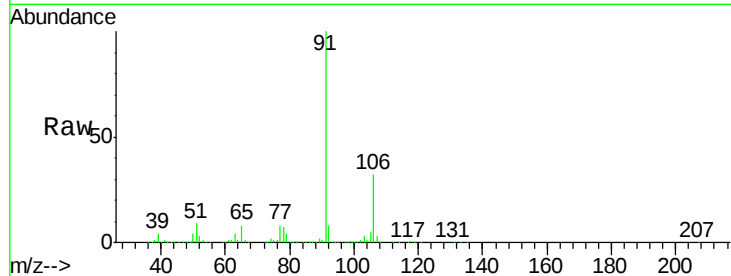
#67
Ethyl Benzene
Concen: 154.312 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2697551
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0

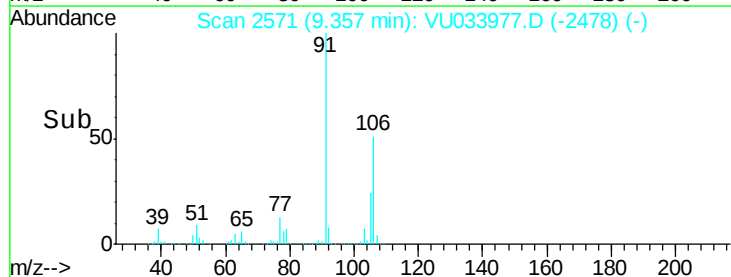
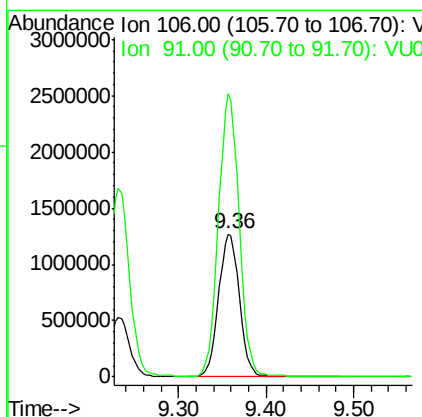
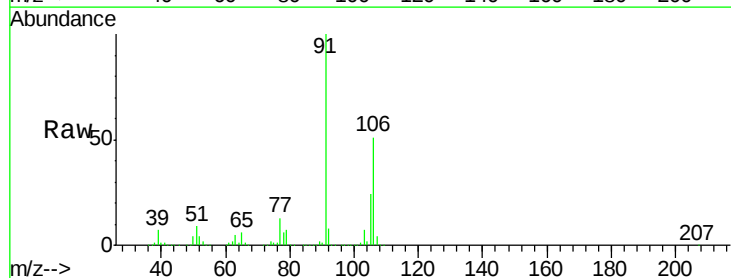
Manual Integrations
APPROVED

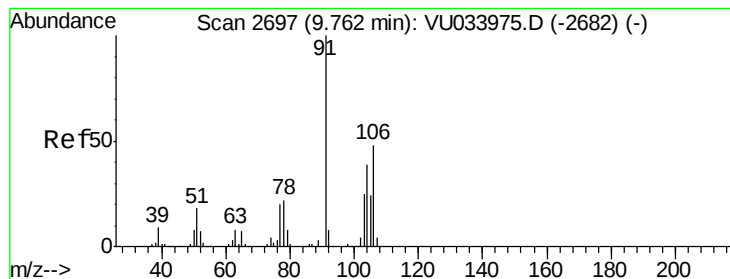
MMDadoda
8/28/2019 9:57:58 AM



#68
m/p-Xylenes
Concen: 324.629 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Tgt Ion: 106 Resp: 2100725
Ion Ratio Lower Upper
106 100
91 197.4 158.4 237.6





#69

o-Xylene

Concen: 166.003 ug/l

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:106 Resp: 1027477

Ion Ratio Lower Upper

106 100

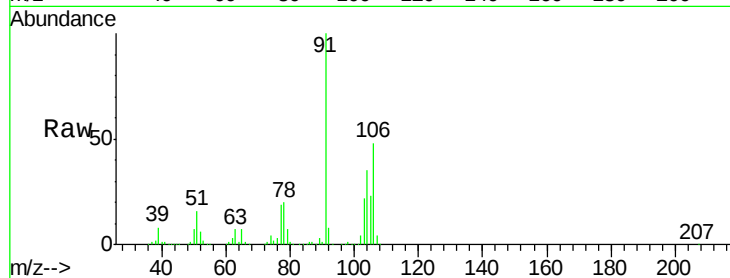
91 209.6 104.5 313.3

Manual Integrations

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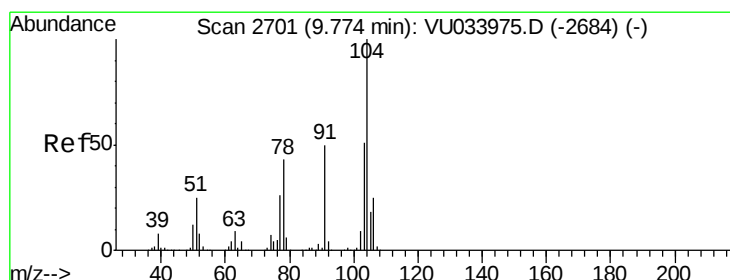
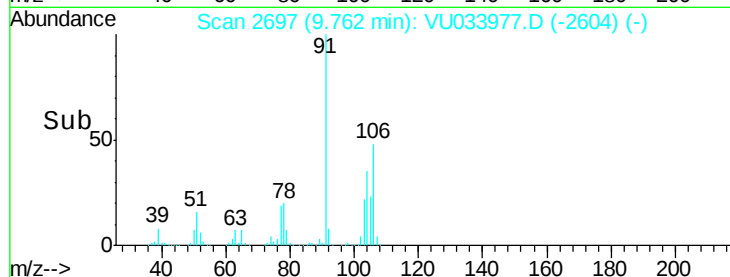
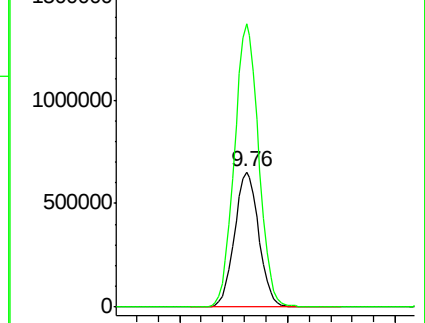
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#70

Styrene

Concen: 171.853 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

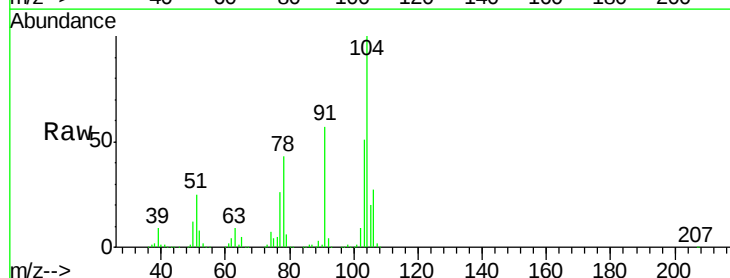
Tgt Ion:104 Resp: 1837454

Ion Ratio Lower Upper

104 100

78 46.7 37.5 56.3

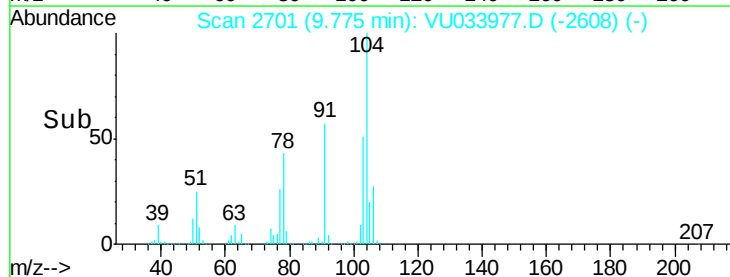
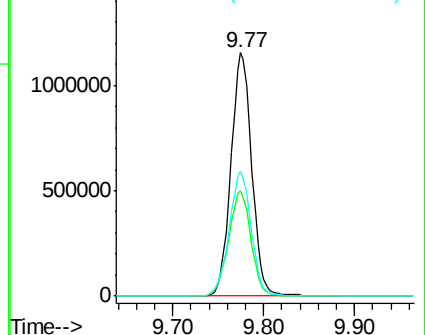
103 54.3 43.9 65.9

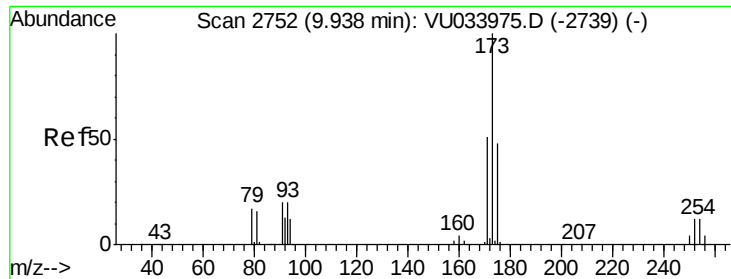


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 172.130 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

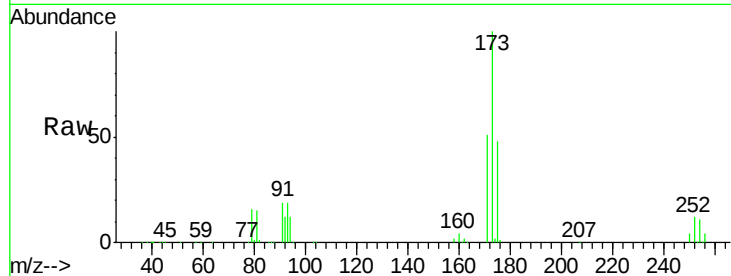
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.9
254	0.1	0.1	0.1

Manual Integrations
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8/28/2019 9:57:58 AM

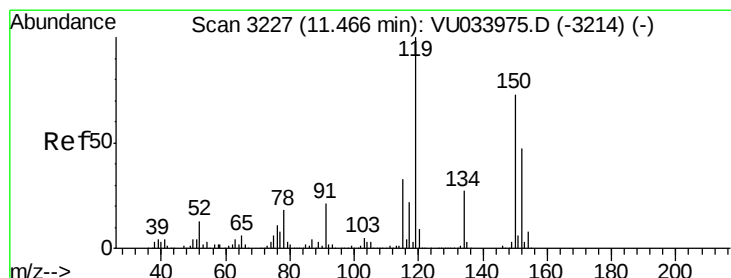
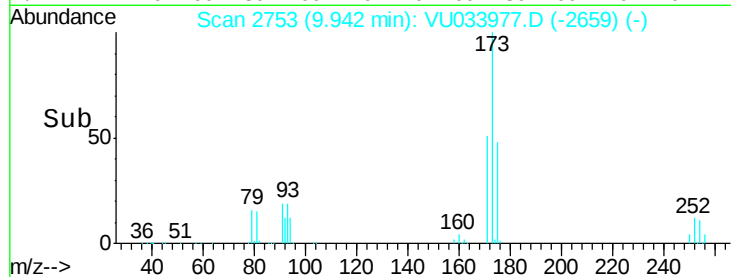
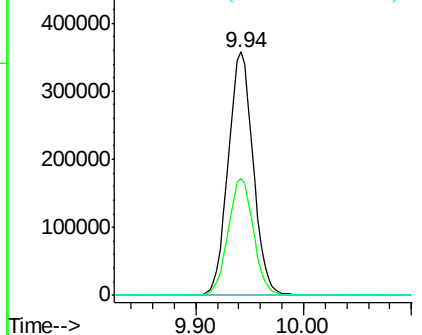


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

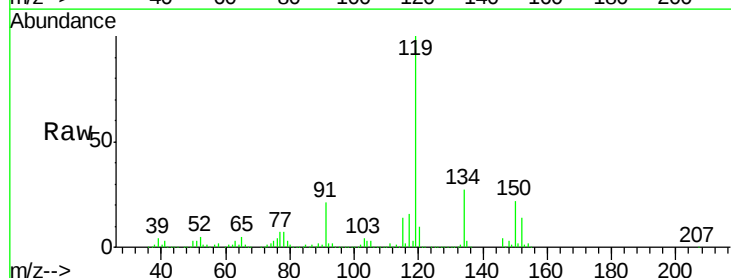
RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	118.2	38.6	115.7
150	205.0	0.0	343.8

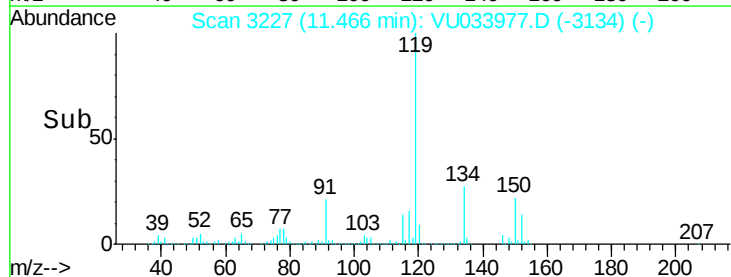
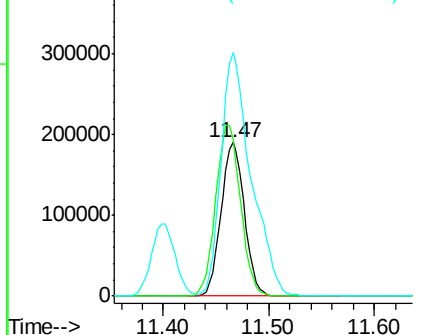


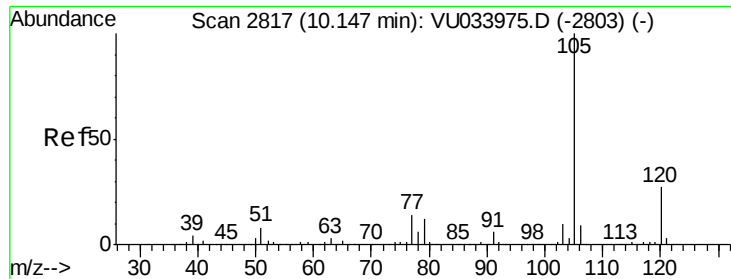
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 156.204 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2793019

Ion Ratio Lower Upper

105 100

120 26.9

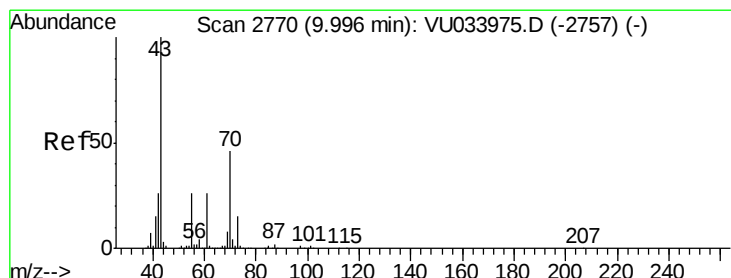
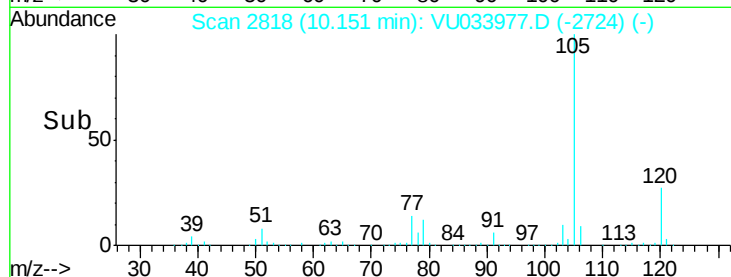
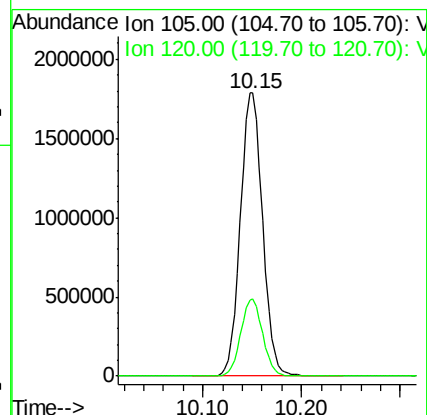
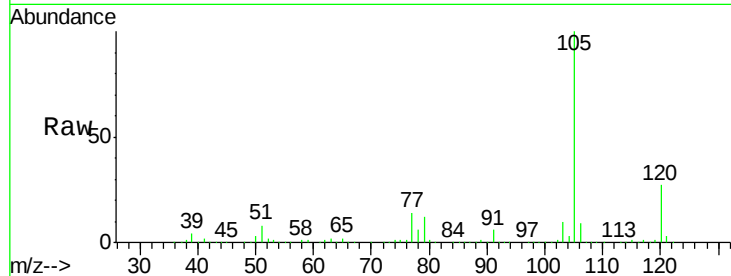
13.5 40.5

Manual Integrations

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8/28/2019 9:57:58 AM



#74

N-ethyl acetate

Concen: 150.869 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Tgt Ion: 43 Resp: 1132800

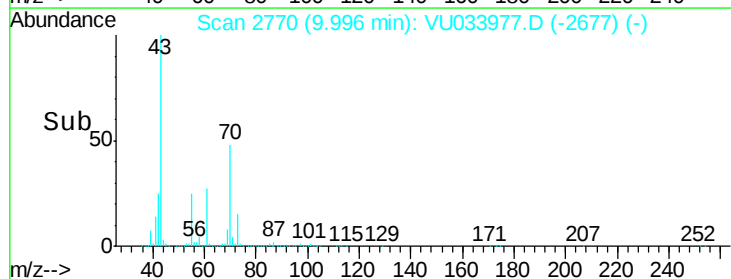
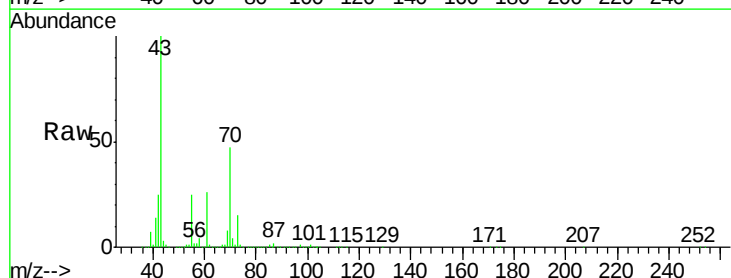
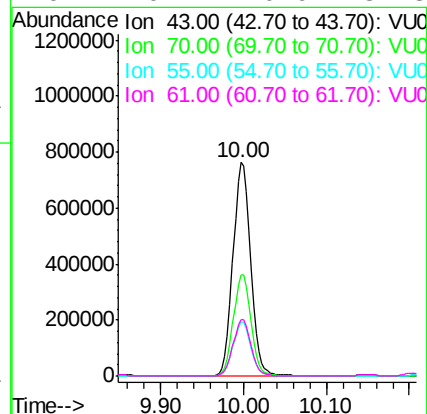
Ion Ratio Lower Upper

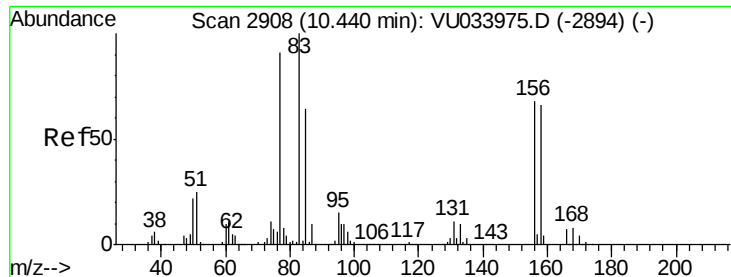
43 100

70 47.4 37.4 56.0

55 25.5 21.0 31.4

61 26.7 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 126.055 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

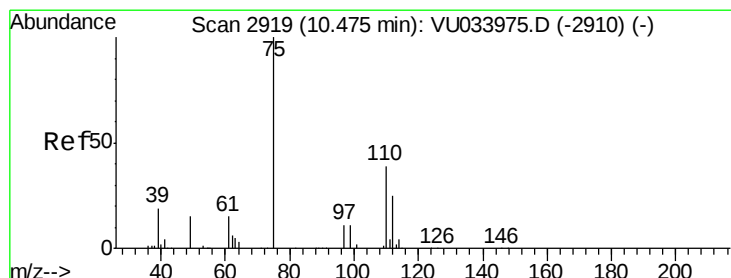
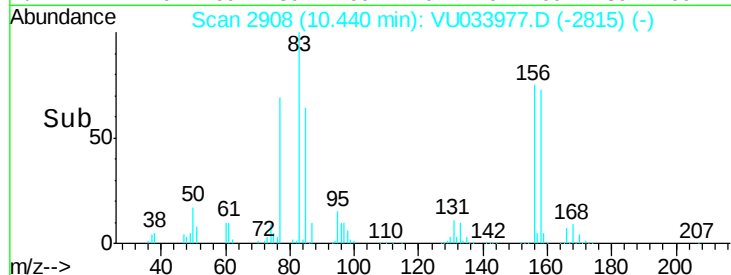
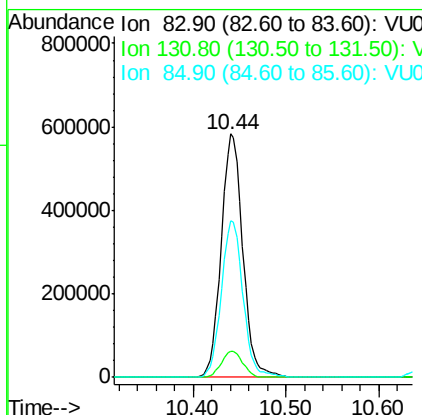
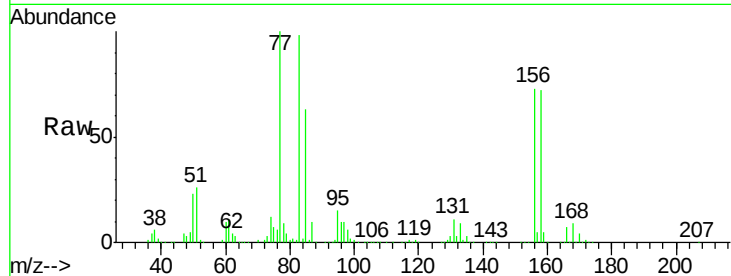
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	943672
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	64.6	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 122.724 ug/l m

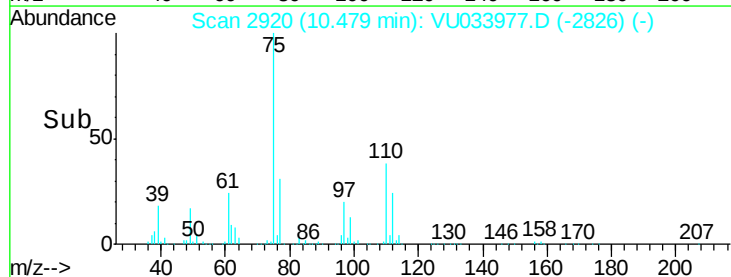
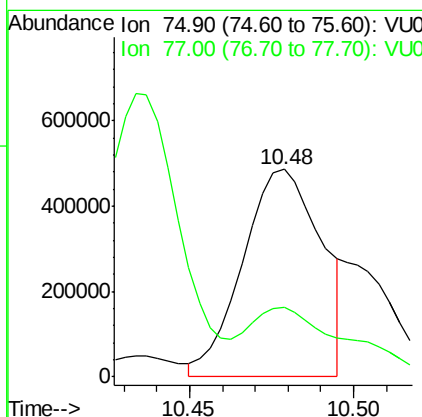
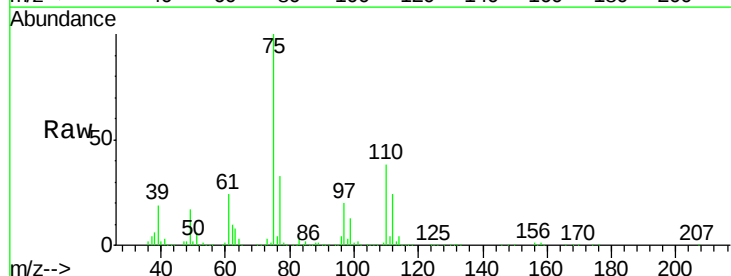
RT: 10.48 min Scan# 2920

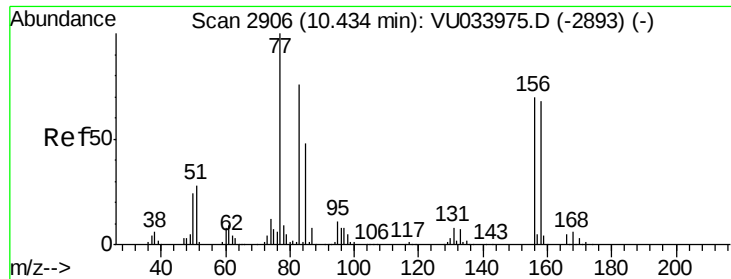
Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Tgt Ion:	75	Resp:	808835
Ion Ratio	Lower	Upper	
75	100		
77	42.6	21.0	63.0





#77

Bromobenzene

Concen: 159.613 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

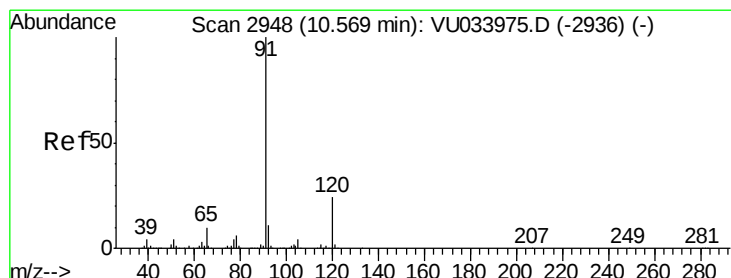
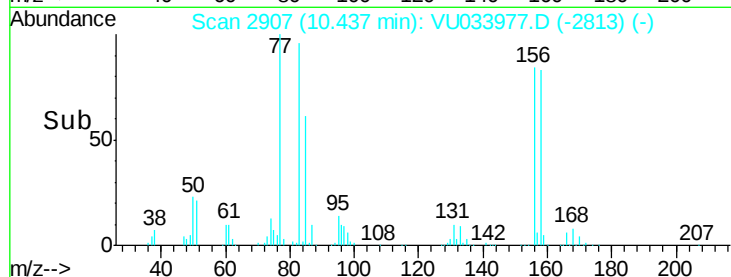
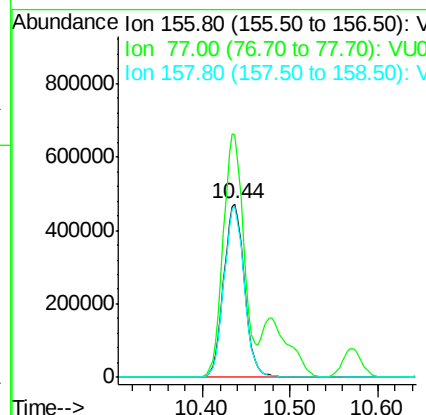
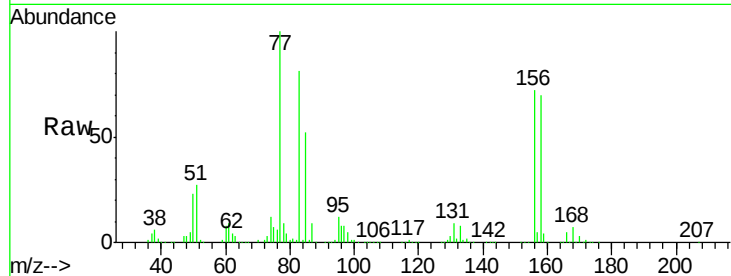
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	141.1	70.3	211.1
158	97.5	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 151.815 ug/l

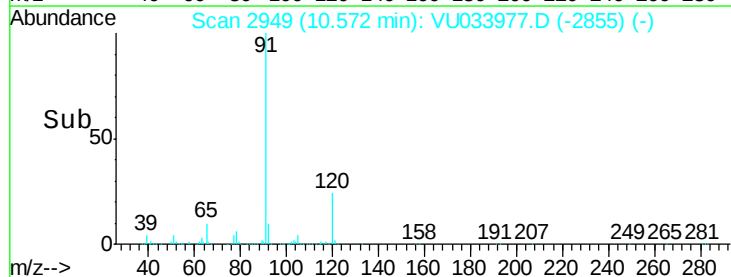
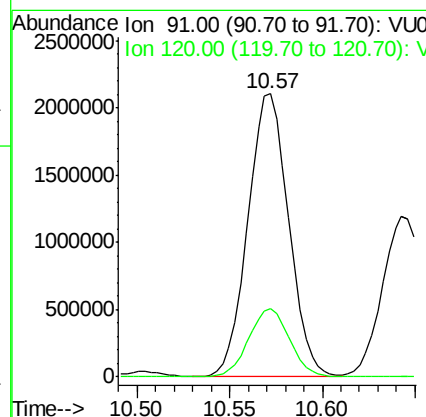
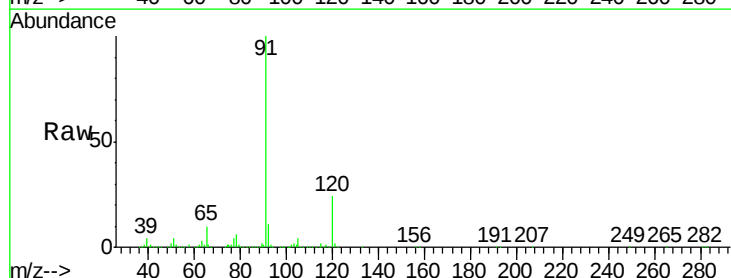
RT: 10.57 min Scan# 2949

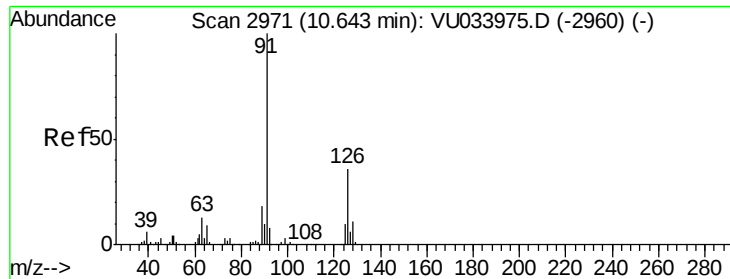
Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.0	36.0





#79

2-Chlorotoluene

Concen: 147.669 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1873749

Ion Ratio Lower Upper

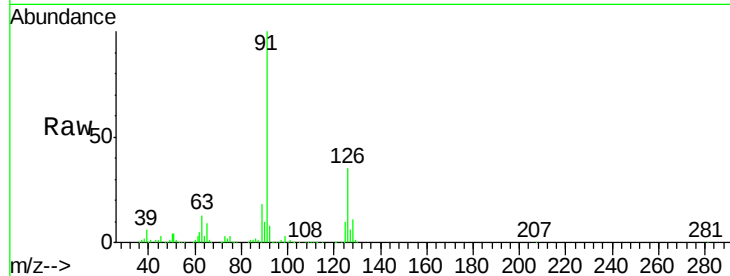
91 100

126 35.5 17.8 53.5

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Abundance Ion 91.00 (90.70 to 91.70): VU033977.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU033977.D (-2960) (-)

2500000

2000000

1500000

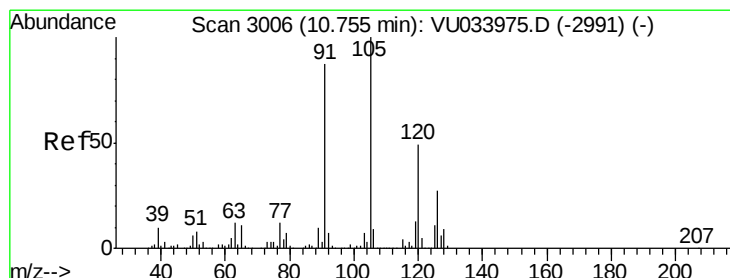
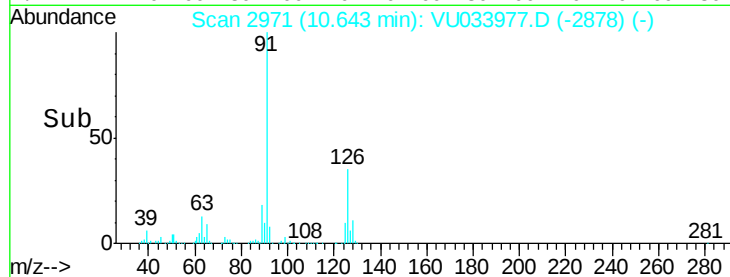
1000000

500000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 159.750 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033977.D

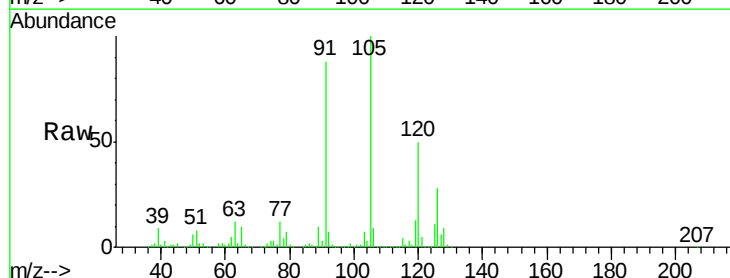
Acq: 27 Aug 2019 16:42

Tgt Ion:105 Resp: 2443853

Ion Ratio Lower Upper

105 100

120 49.9 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VU033977.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU033977.D (-2991) (-)

1500000

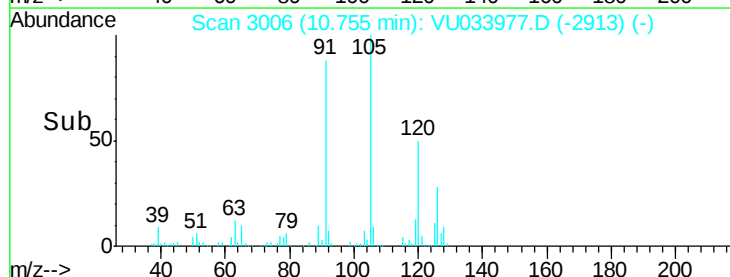
1000000

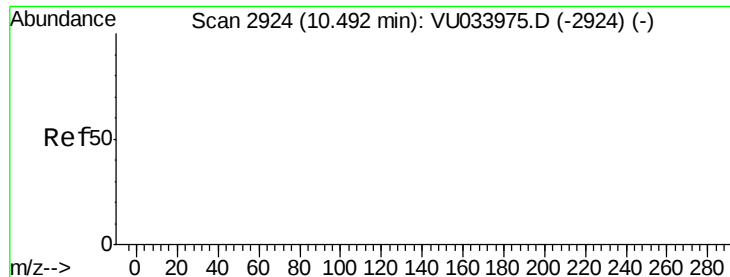
500000

0

10.70 10.80

Time-->





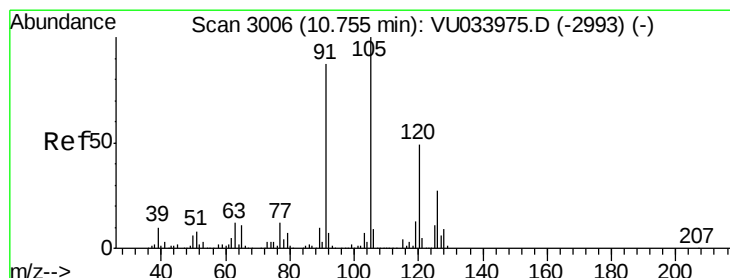
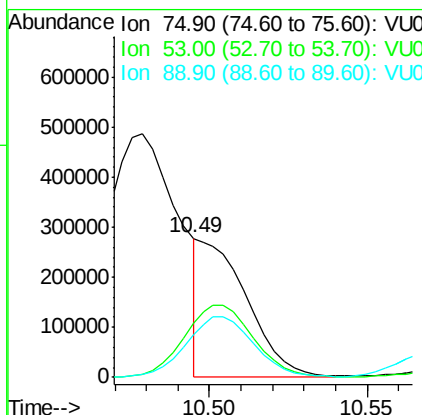
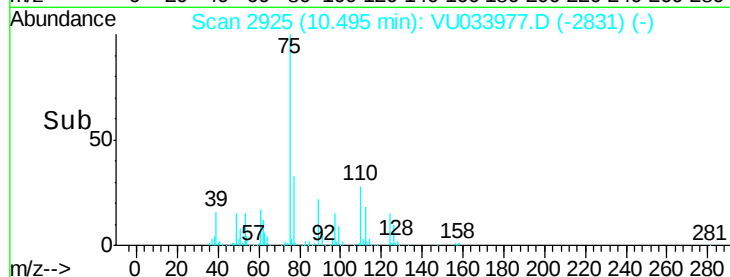
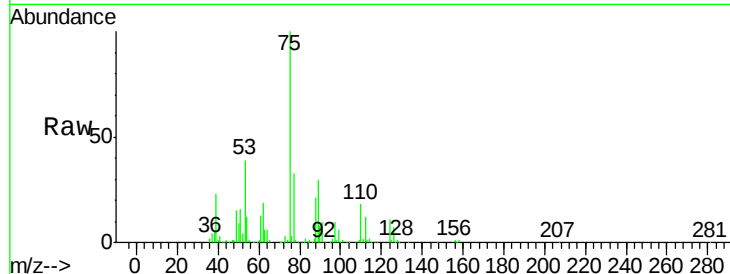
#81
trans-1,4-Dichloro-2-butene
Concen: 120.391 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

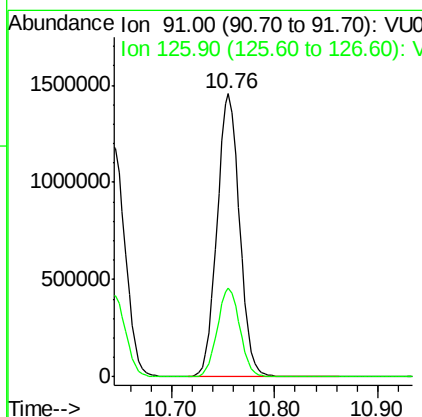
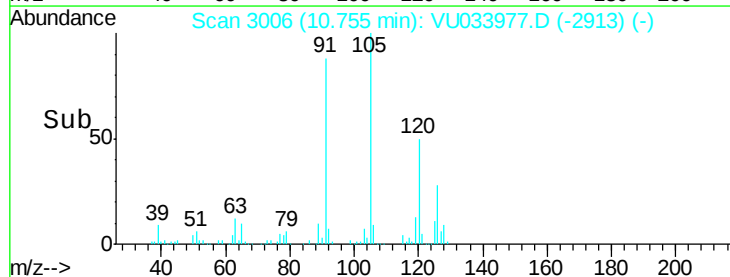
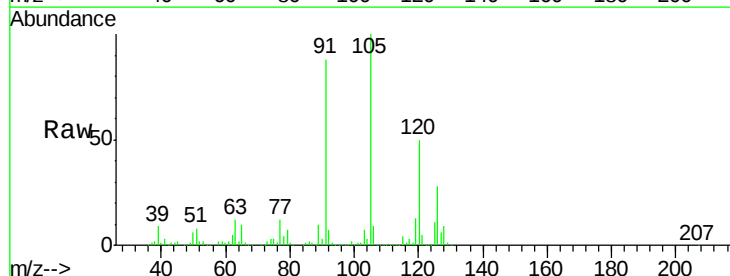
Manual Integrations
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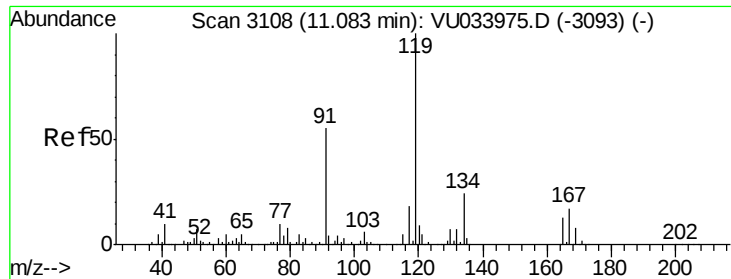
MMDadoda
8/28/2019 9:57:58 AM



#82
4-Chlorotoluene
Concen: 147.355 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.4	46.4





#83

tert-Butylbenzene

Concen: 168.069 ug/l

RT: 11.08 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VU033977.D

Acq: 27 Aug 2019 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 2407492

Ion Ratio Lower Upper

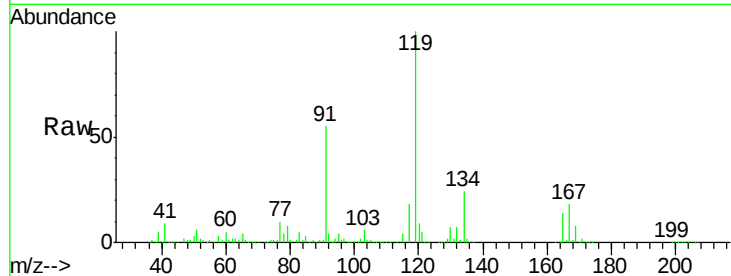
119 100

91 54.6 27.6 82.8

134 23.2 11.6 34.7

Manual Integrations
APPROVED

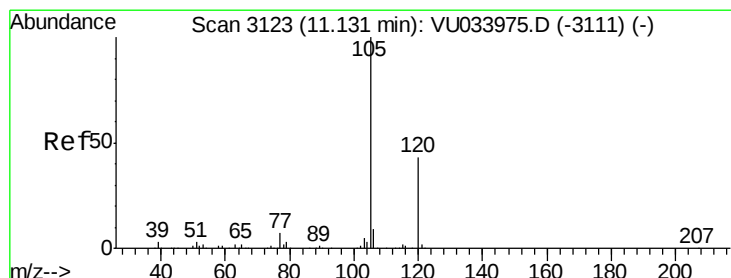
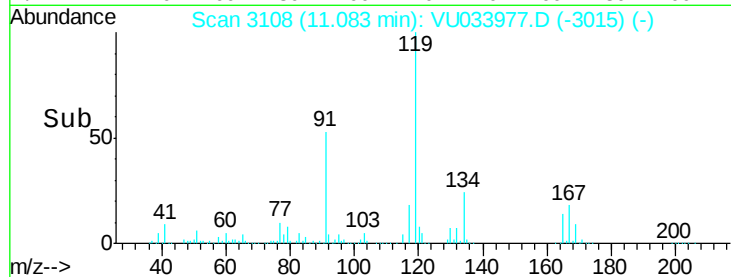
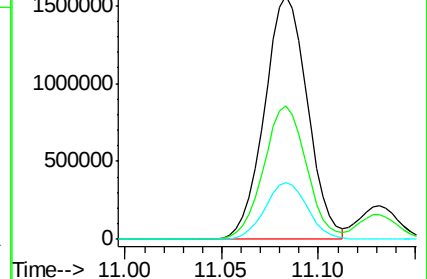
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 165.258 ug/l

RT: 11.13 min Scan# 3123

Delta R.T. 0.00 min

Lab File: VU033977.D

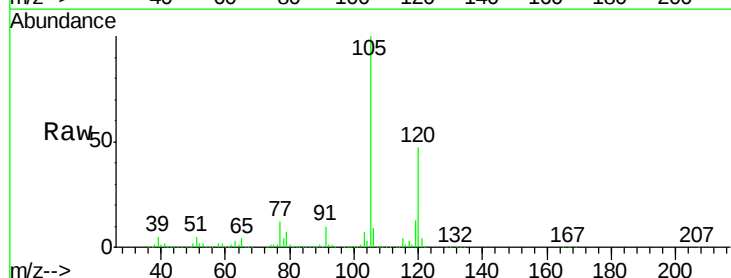
Acq: 27 Aug 2019 16:42

Tgt Ion:105 Resp: 2456308

Ion Ratio Lower Upper

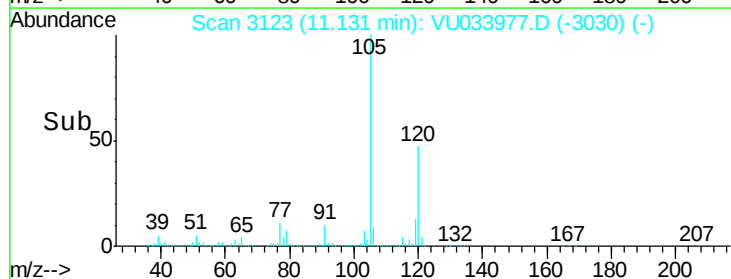
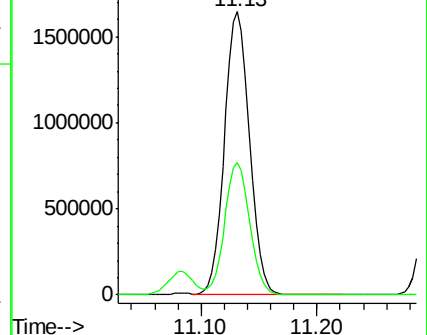
105 100

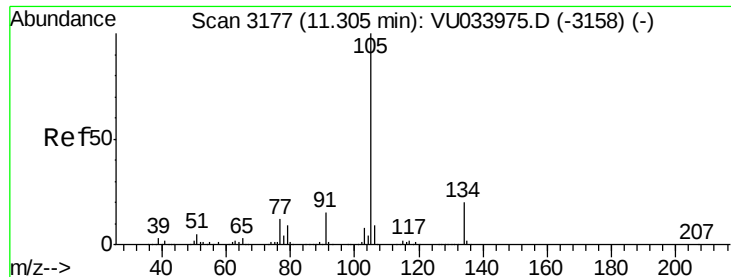
120 46.6 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





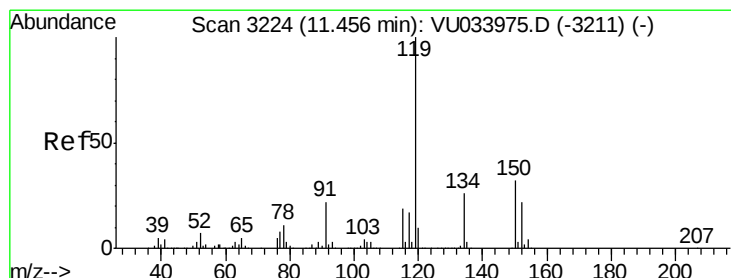
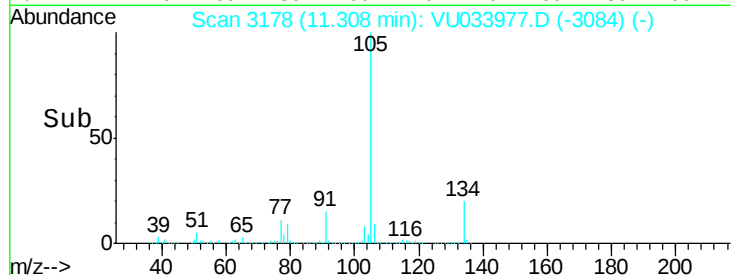
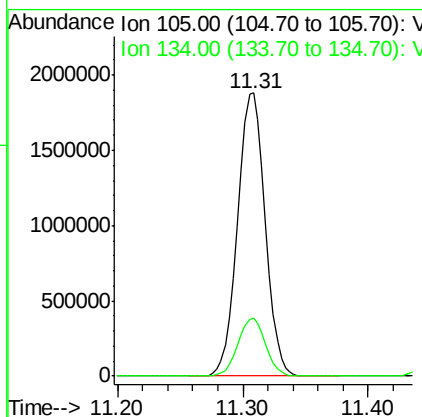
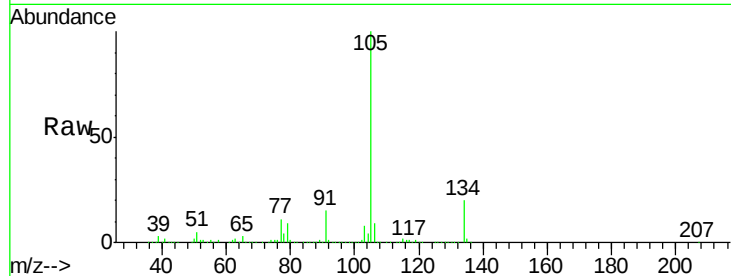
#85
 sec-Butylbenzene
 Concen: 160.445 ug/l
 RT: 11.31 min Scan# 3178
 Delta R.T. 0.00 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2871255
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.2 30.6

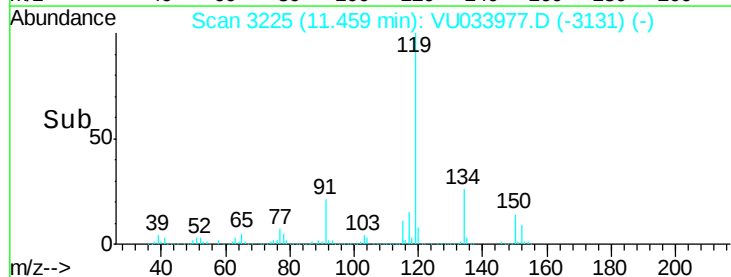
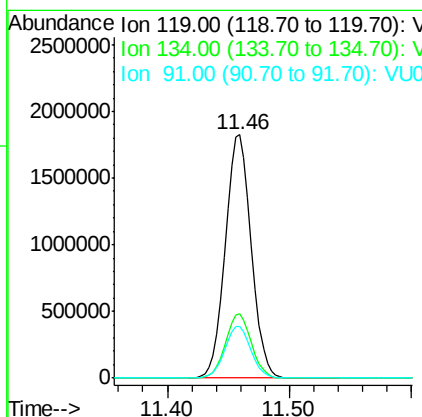
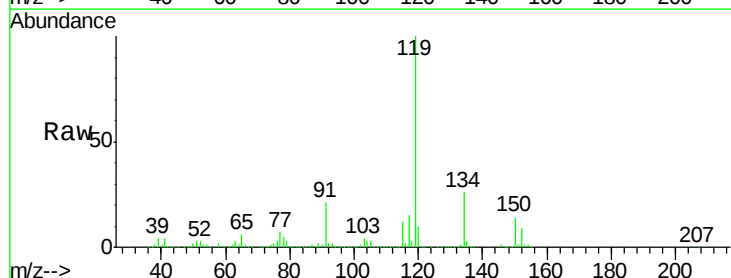
Manual Integrations
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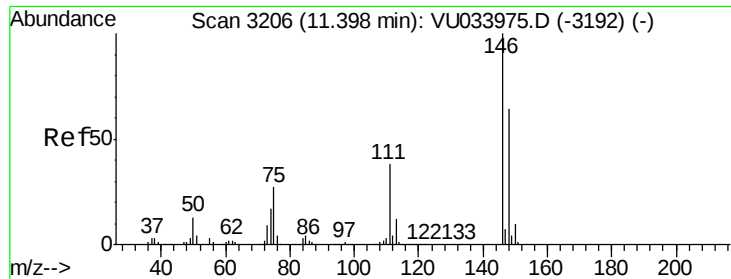
MMDadoda
 8/28/2019 9:57:58 AM



#86
 p-Isopropyltoluene
 Concen: 166.496 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.00 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Tgt Ion:119 Resp: 2715630
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.0 38.9
 91 21.5 10.9 32.9





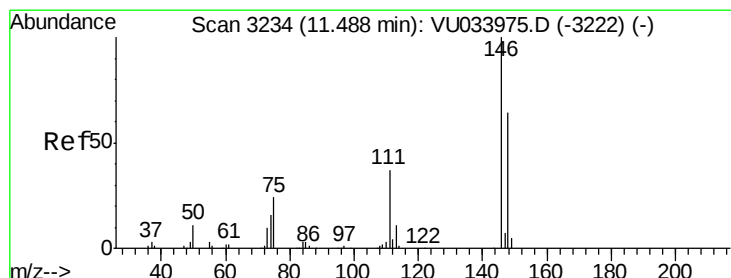
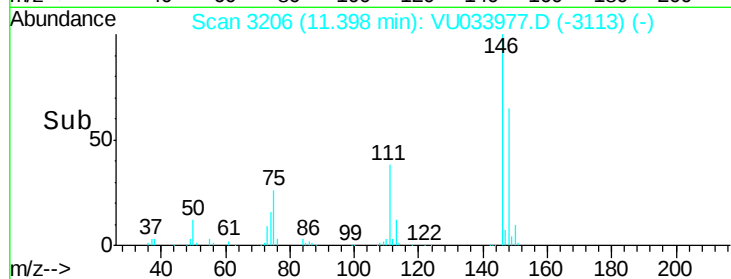
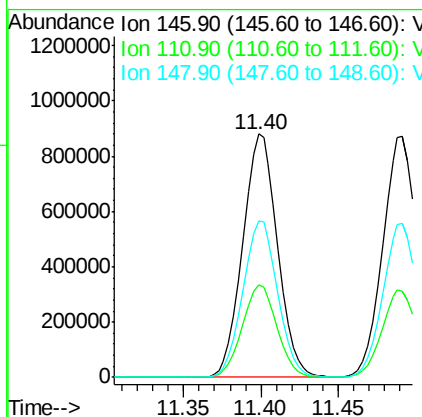
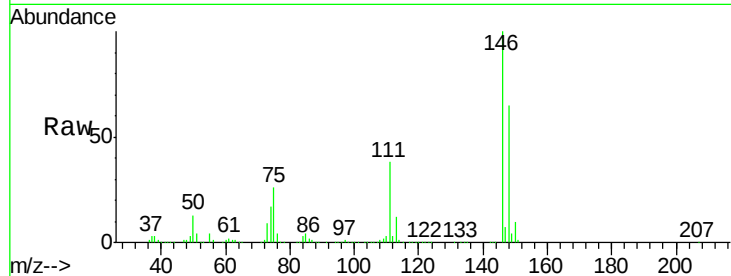
#87
 1,3-Dichlorobenzene
 Concen: 151.421 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	64.4	31.9	95.7

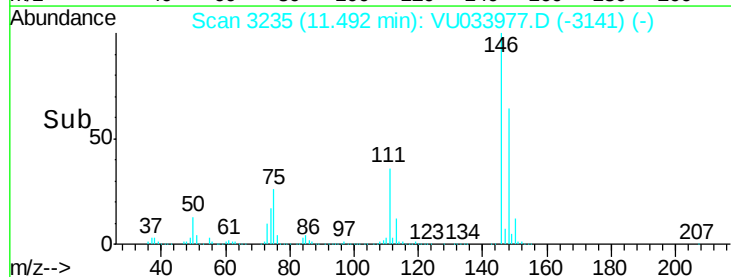
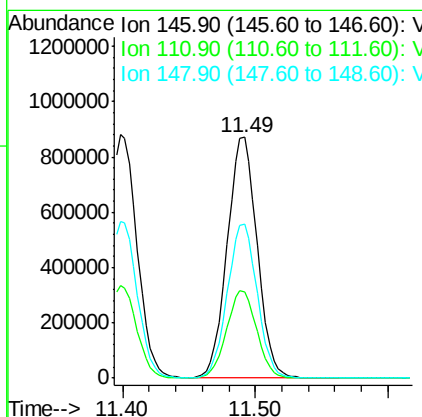
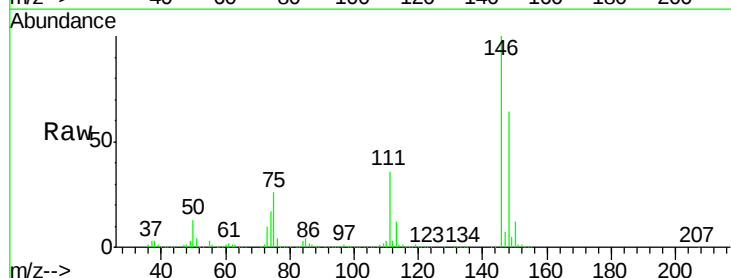
Manual Integrations
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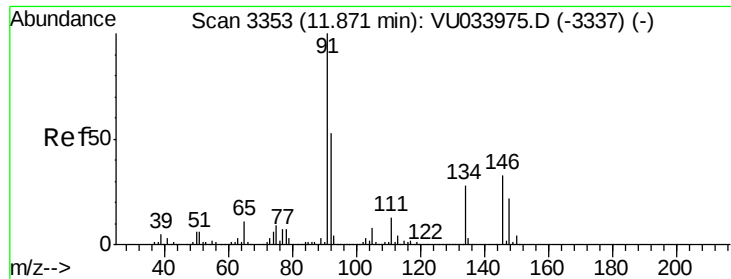
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 8/28/2019 9:57:58 AM



#88
 1,4-Dichlorobenzene
 Concen: 145.206 ug/l
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.8	56.4
148	63.9	31.9	95.7





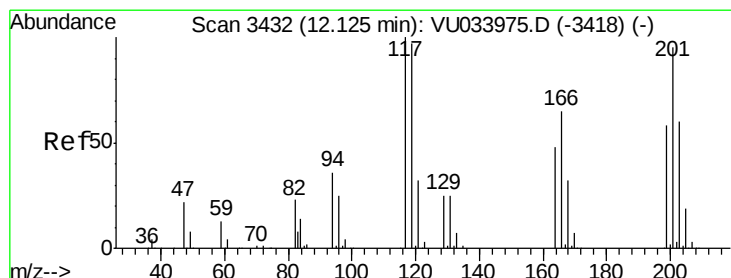
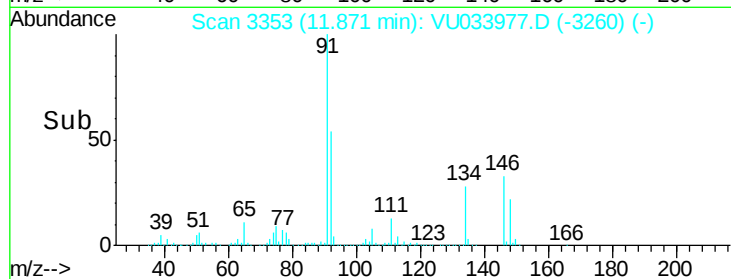
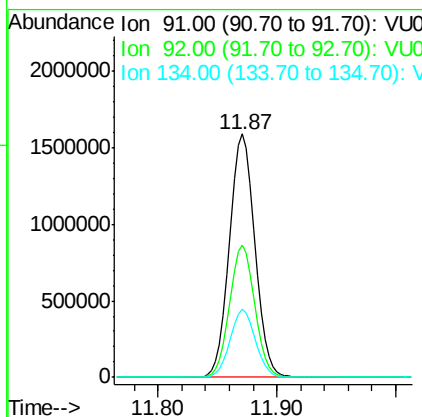
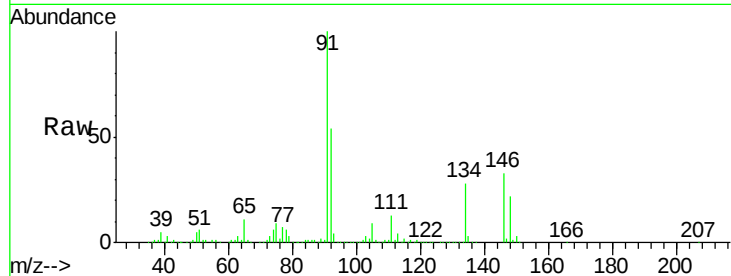
#89
n-Butylbenzene
Concen: 161.974 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2356998
Ion Ratio Lower Upper
91 100
92 53.9 26.7 80.0
134 27.8 13.6 40.8

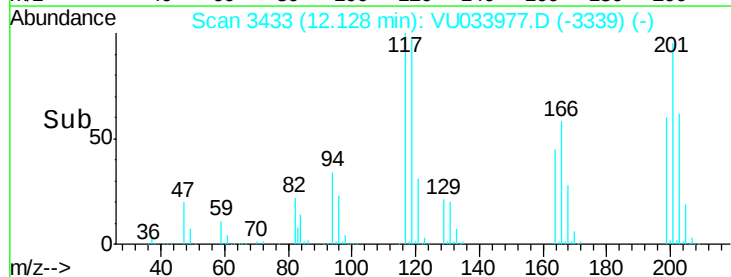
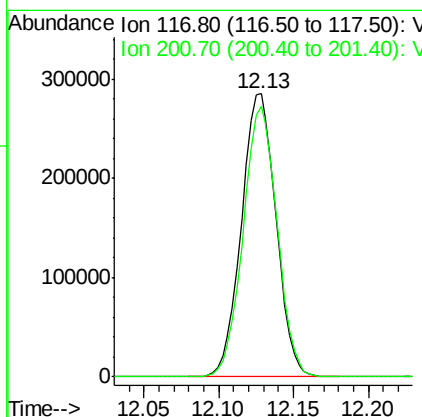
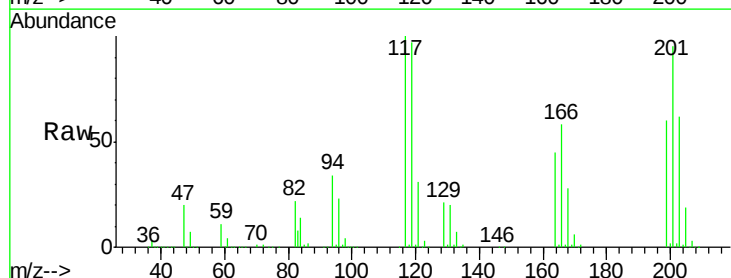
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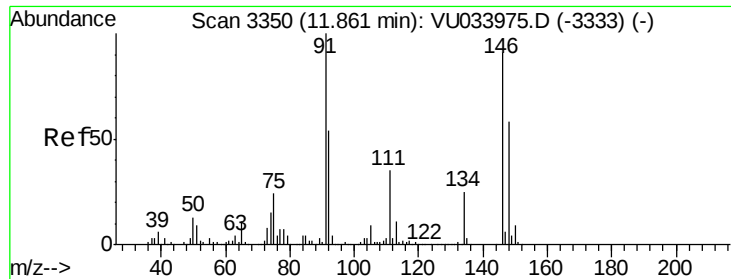
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#90
Hexachloroethane
Concen: 146.326 ug/l
RT: 12.13 min Scan# 3433
Delta R.T. 0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Tgt Ion: 117 Resp: 459161
Ion Ratio Lower Upper
117 100
201 93.9 47.5 142.5





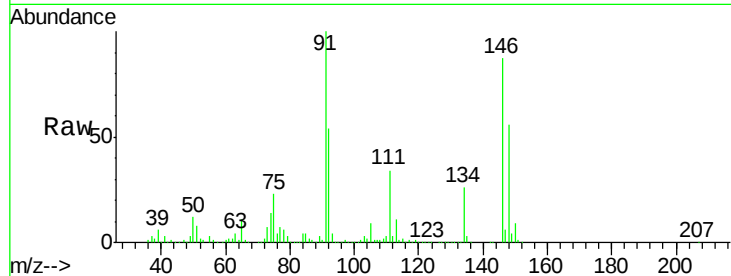
#91
 1,2-Dichlorobenzene
 Concen: 153.448 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

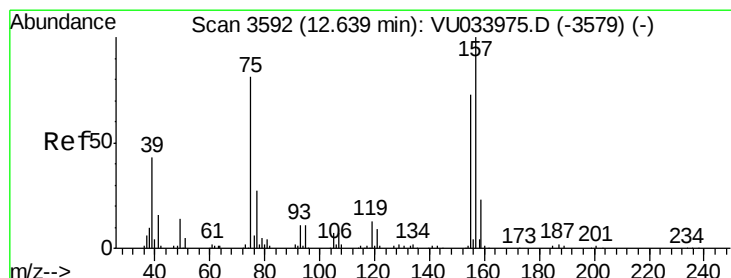
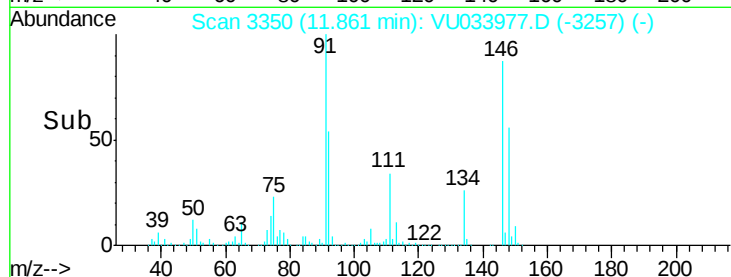
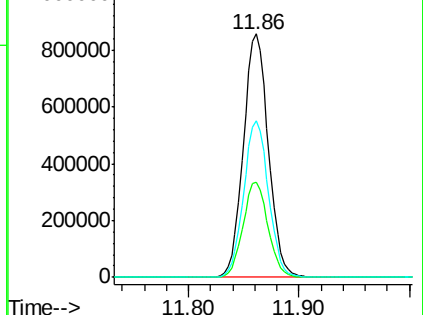
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.3
148	64.2	32.0	96.2

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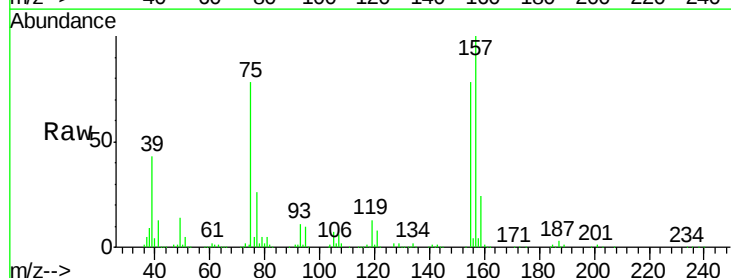


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

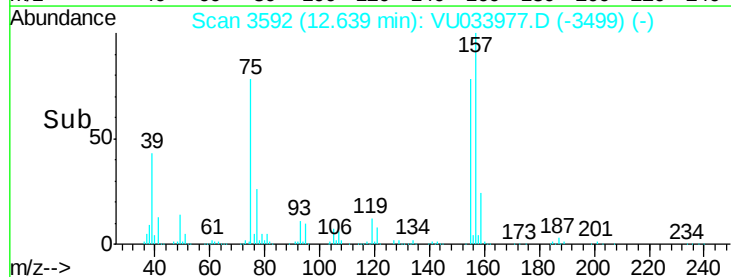
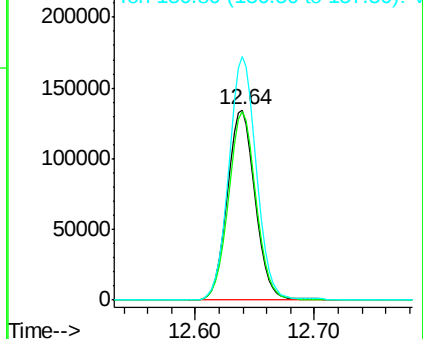


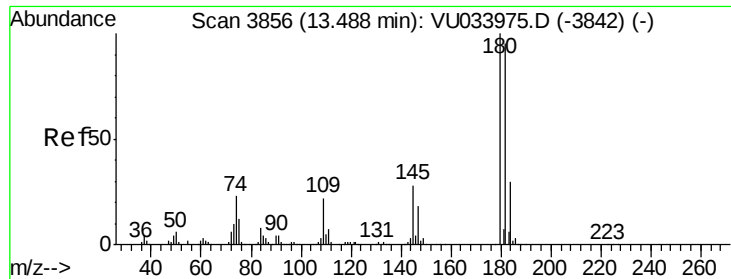
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 141.517 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.8	46.9	140.6
157	126.7	61.2	183.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





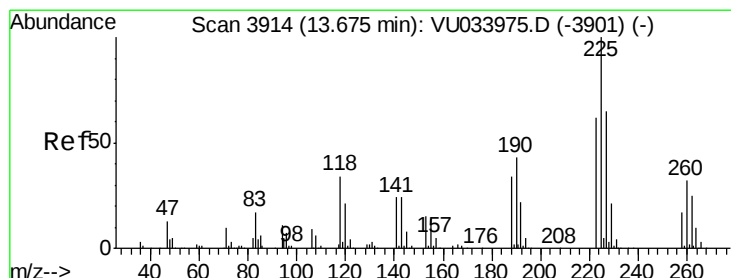
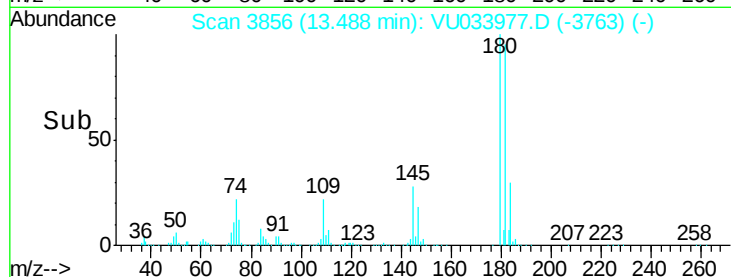
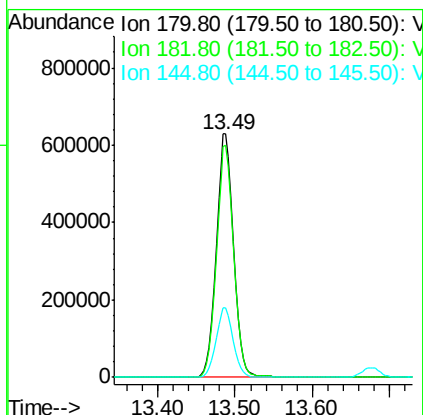
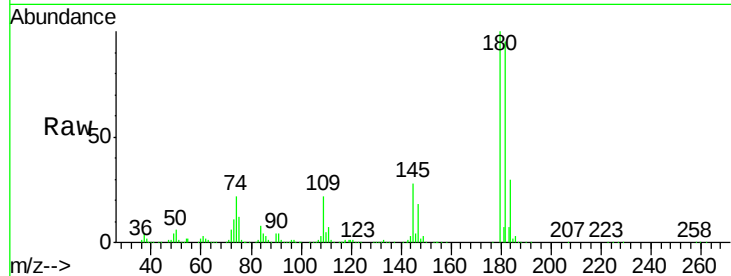
#93
 1,2,4-Trichlorobenzene
 Concen: 190.393 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.2
145	28.5	14.4	43.2

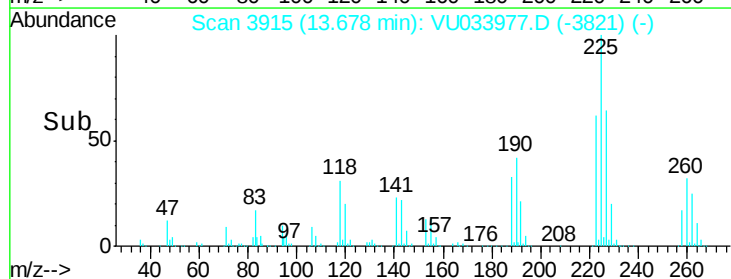
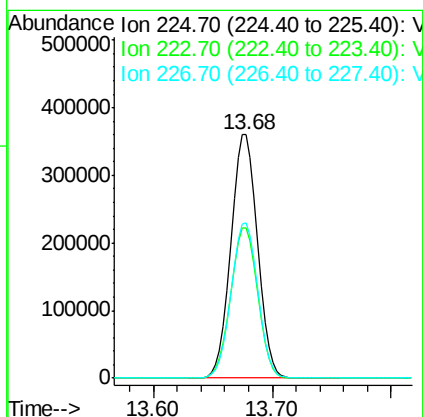
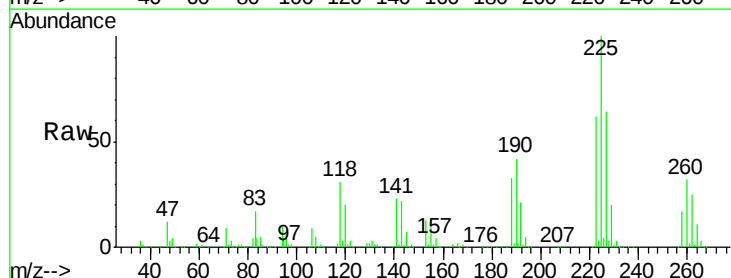
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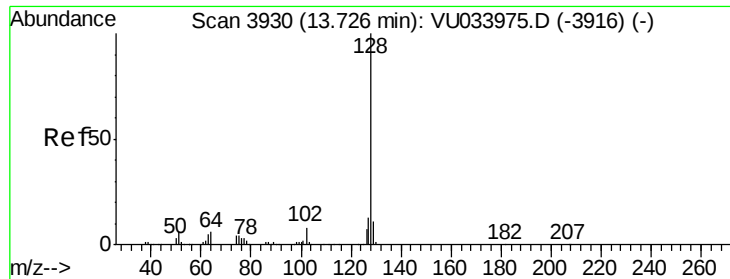
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#94
 Hexachlorobutadiene
 Concen: 168.294 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU033977.D
 Acq: 27 Aug 2019 16:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.7	95.1
227	64.0	33.0	99.0





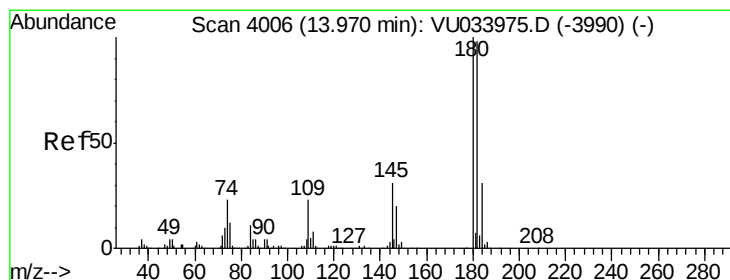
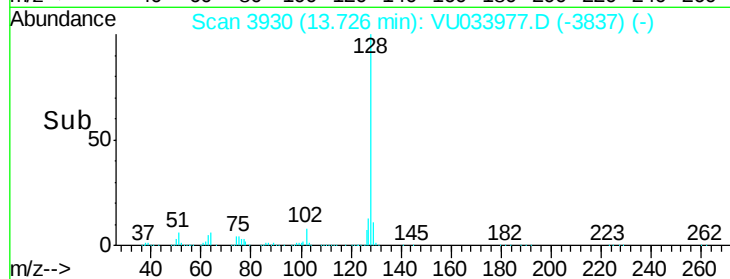
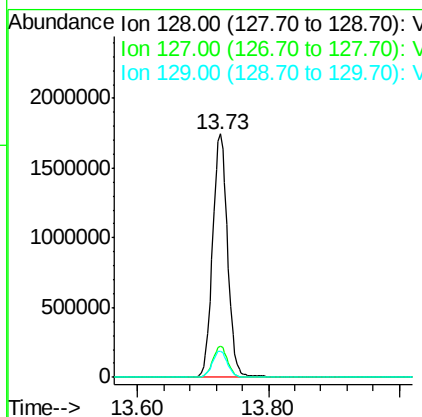
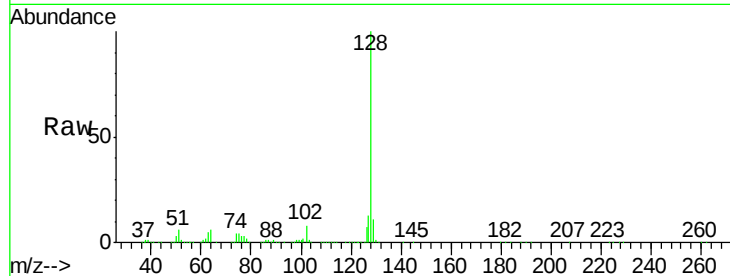
#95
Naphthalene
Concen: 193.271 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 182.950 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU033977.D
Acq: 27 Aug 2019 16:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.4	145.3
145	29.9	15.1	45.3

