

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU034013.D
 Acq On : 28 Aug 2019 08:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 10:00:52 AM

Quant Time: Aug 28 09:15:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 02:42:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	389893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	646955	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	636410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	324058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	278840	64.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.74%	
35) Dibromofluoromethane	4.86	113	224751	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
50) Toluene-d8	7.55	98	877712	54.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.44%	
62) 4-Bromofluorobenzene	10.29	95	317243	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	220791	56.301	ug/l	100
3) Chloromethane	1.32	50	303171	70.994	ug/l	100
4) Vinyl Chloride	1.40	62	294515	75.226	ug/l	99
5) Bromomethane	1.60	94	118690	49.879	ug/l	99
6) Chloroethane	1.68	64	128293	55.037	ug/l	97
7) Trichlorofluoromethane	1.87	101	244281	47.420	ug/l	99
8) Diethyl Ether	2.09	74	89614	45.862	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	143945	43.753	ug/l	100
10) Methyl Iodide	2.40	142	244538	49.634	ug/l	99
11) Tert butyl alcohol	2.82	59	317485	282.980	ug/l #	85
12) 1,1-Dichloroethene	2.27	96	154847	45.094	ug/l	98
13) Acrolein	2.18	56	79315	222.609	ug/l	100
14) Allyl chloride	2.58	41	292776	48.154	ug/l	97
15) Acrylonitrile	2.92	53	754731	332.767	ug/l	99
16) Acetone	2.31	43	428858	206.844	ug/l	99
17) Carbon Disulfide	2.46	76	498933	44.247	ug/l	100
18) Methyl Acetate	2.60	43	279726	54.776	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	707831	61.362	ug/l	97
20) Methylene Chloride	2.68	84	211558	48.094	ug/l	95
21) trans-1,2-Dichloroethene	2.96	96	221522	56.581	ug/l	91
22) Diisopropyl ether	3.55	45	782766	70.071	ug/l	96
23) Vinyl Acetate	3.50	43	3343491	352.302	ug/l	96
24) 1,1-Dichloroethane	3.42	63	437682	62.579	ug/l	98
25) 2-Butanone	4.23	43	1025499	345.049	ug/l	93
26) 2,2-Dichloropropane	4.20	77	230784	39.025	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	248697	56.746	ug/l	95
28) Bromochloromethane	4.52	49	218998	68.055	ug/l	83
29) Tetrahydrofuran	4.61	42	656169	352.982	ug/l	92
30) Chloroform	4.65	83	413230	57.699	ug/l	100
31) Cyclohexane	4.97	56	386371	60.496	ug/l	94
32) 1,1,1-Trichloroethane	4.89	97	347031	57.558	ug/l	96
36) 1,1-Dichloropropene	5.11	75	306846	51.784	ug/l	98
37) Ethyl Acetate	4.36	43	372182	62.622	ug/l	97
38) Carbon Tetrachloride	5.11	117	301900	49.994	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	351256	50.097	ug/l	96
40) Benzene	5.37	78	947776	53.797	ug/l	100
41) Methacrylonitrile	4.52	41	204396	66.368	ug/l	94
42) 1,2-Dichloroethane	5.38	62	335365	56.292	ug/l	98
43) Isopropyl Acetate	5.53	43	575570	63.161	ug/l	95
44) Trichloroethene	6.16	130	237428	47.265	ug/l	91
45) 1,2-Dichloropropane	6.41	63	270826	57.459	ug/l	98
46) Dibromomethane	6.54	93	169857	52.989	ug/l	91
47) Bromodichloromethane	6.74	83	331495	54.295	ug/l	97
48) Methyl methacrylate	6.60	41	283540	65.442	ug/l	93
49) 1,4-Dioxane	6.59	88	132968	1118.244	ug/l #	95
51) 4-Methyl-2-Pentanone	7.44	43	2008944	319.739	ug/l	96
52) Toluene	7.62	92	592461	53.332	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	353973	52.428	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	382949	52.470	ug/l	94
55) 1,1,2-Trichloroethane	8.05	97	243937	51.968	ug/l	97
56) Ethyl methacrylate	8.00	69	387772	52.280	ug/l	91
57) 1,3-Dichloropropane	8.22	76	427159	55.839	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	808480	290.952	ug/l	95
59) 2-Hexanone	8.34	43	1534725	317.786	ug/l	94
60) Dibromochloromethane	8.46	129	265439	50.286	ug/l	100
61) 1,2-Dibromoethane	8.57	107	259179	52.281	ug/l	100
64) Tetrachloroethene	8.21	164	203879	39.844	ug/l	94
65) Chlorobenzene	9.10	112	644629	49.191	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	234855	48.067	ug/l	99
67) Ethyl Benzene	9.23	91	1132204	51.816	ug/l	99
68) m/p-Xylenes	9.36	106	862610	102.365	ug/l	96
69) o-Xylene	9.76	106	417291	51.796	ug/l	96
70) Styrene	9.77	104	731829	53.075	ug/l	98
71) Bromoform	9.94	173	200850	46.438	ug/l #	99
73) Isopropylbenzene	10.15	105	1119989	53.701	ug/l	99
74) N-amyl acetate	10.00	43	530523	67.765	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.44	83	389693	51.877	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	355019m	54.983	ug/l	
77) Bromobenzene	10.43	156	278152	47.195	ug/l	93
78) n-propylbenzene	10.57	91	1264739	53.473	ug/l	97
79) 2-Chlorotoluene	10.64	91	765608	53.644	ug/l	96
80) 1,3,5-Trimethylbenzene	10.76	105	967485	54.163	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	115717m	51.332	ug/l	
82) 4-Chlorotoluene	10.76	91	890831	53.919	ug/l	97
83) tert-Butylbenzene	11.08	119	856060	49.371	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	891877	50.859	ug/l	98
85) sec-Butylbenzene	11.31	105	1066701	51.545	ug/l	99
86) p-Isopropyltoluene	11.46	119	1016095	52.457	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	505672	48.366	ug/l	98
88) 1,4-Dichlorobenzene	11.49	146	508023	48.144	ug/l	99
89) n-Butylbenzene	11.87	91	785857	48.543	ug/l	99
90) Hexachloroethane	12.12	117	162977	50.870	ug/l	90
91) 1,2-Dichlorobenzene	11.86	146	457734	44.476	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	90178	59.932	ug/l	86

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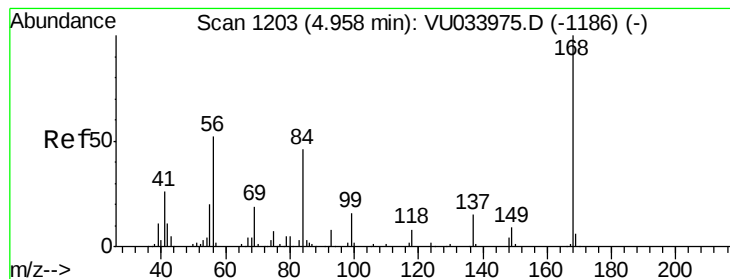
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	323622	44.893	ug/l	99
94) Hexachlorobutadiene	13.67	225	178026	42.194	ug/l	98
95) Naphthalene	13.73	128	978840	48.978	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	332265	50.524	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 389893

Ion Ratio Lower Upper

168 100

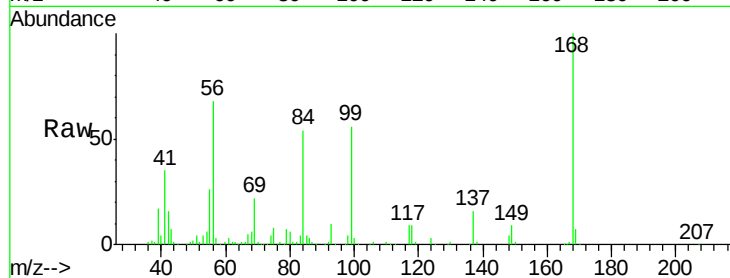
99 55.2 39.4 59.2

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Abundance Ion 167.90 (167.60 to 168.60): VU033975.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033975.D (-1186) (-)

200000

150000

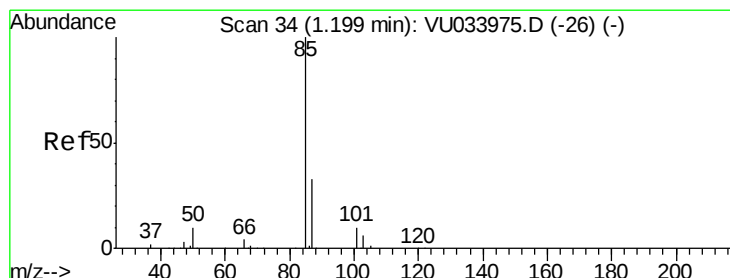
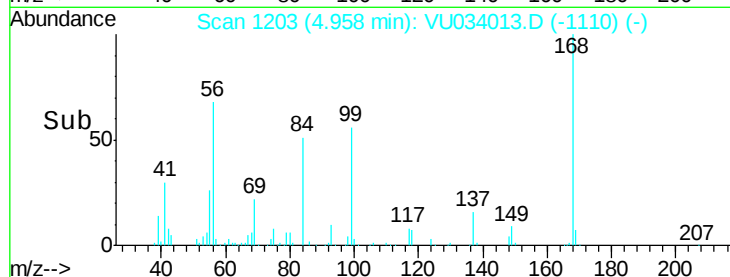
100000

50000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 56.301 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034013.D

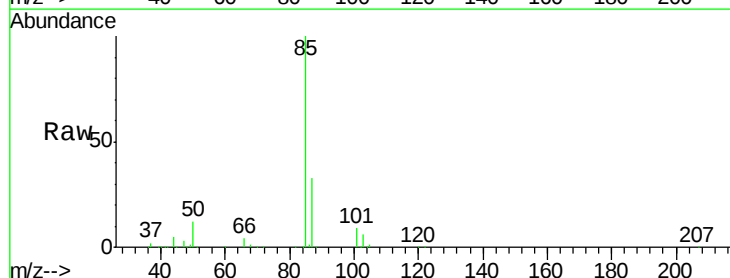
Acq: 28 Aug 2019 08:38

Tgt Ion: 85 Resp: 220791

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VU033975.D (-26) (-)

Ion 86.90 (86.60 to 87.60): VU033975.D (-26) (-)

250000

200000

150000

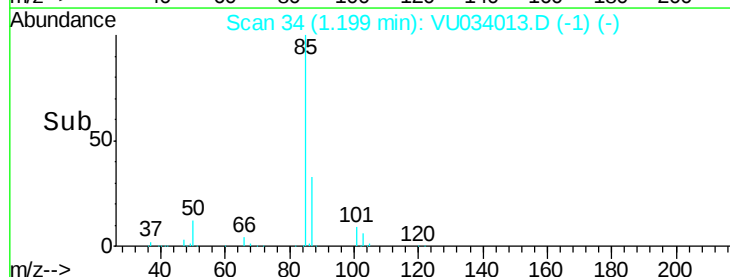
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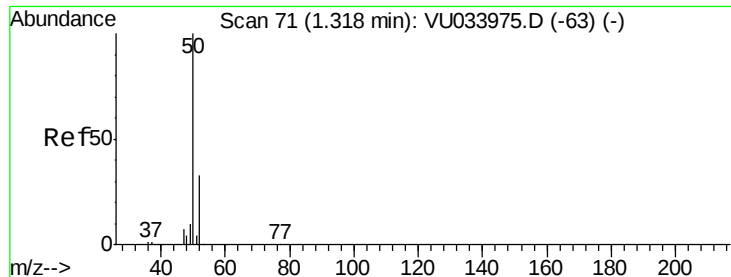
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 70.994 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 303171

Ion Ratio Lower Upper

50 100

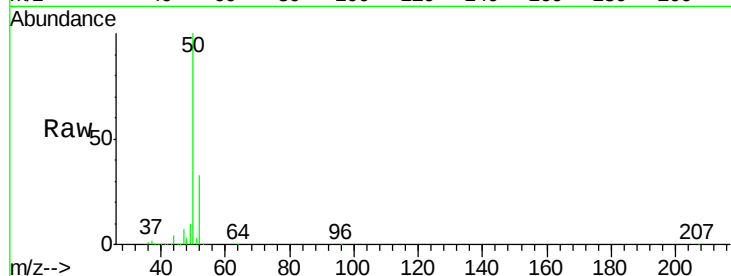
52 32.5 26.2 39.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU033975.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU034013.D (-1) (-)

1.32

300000

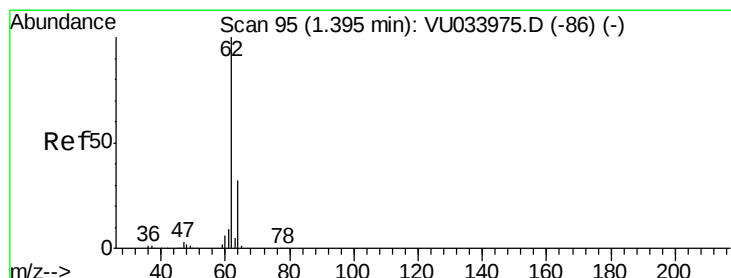
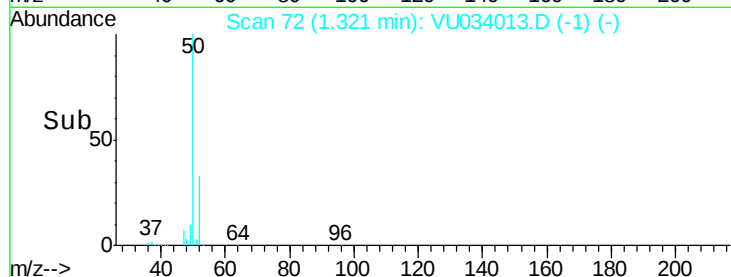
200000

100000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 75.226 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034013.D

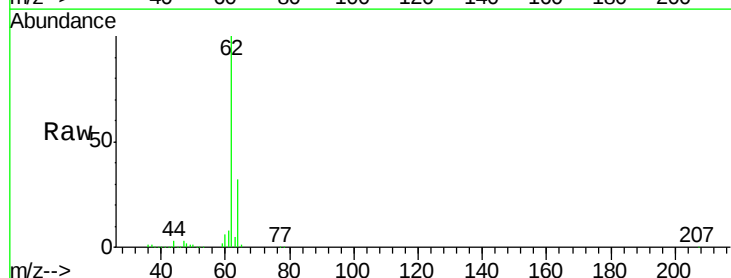
Acq: 28 Aug 2019 08:38

Tgt Ion: 62 Resp: 294515

Ion Ratio Lower Upper

62 100

64 32.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU033975.D (-86) (-)

Ion 63.90 (63.60 to 64.60): VU034013.D (-2) (-)

1.40

300000

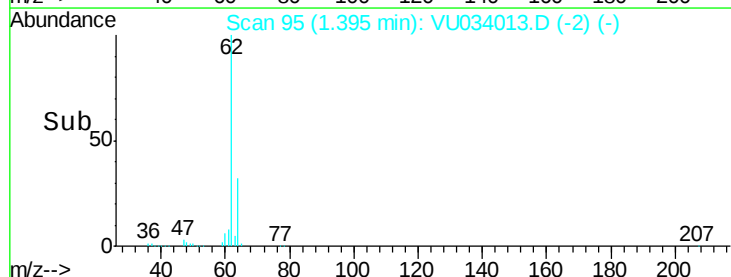
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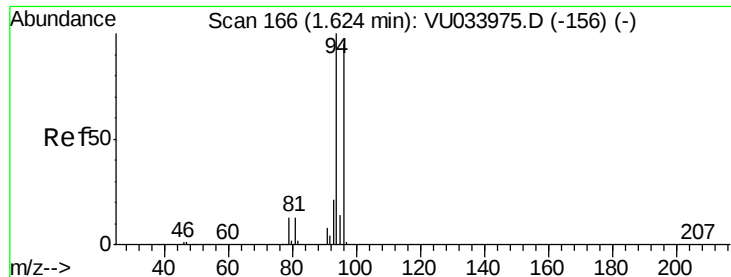
100000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 49.879 ug/l

RT: 1.60 min Scan# 158

Delta R.T. -0.03 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 118690

Ion Ratio Lower Upper

94 100

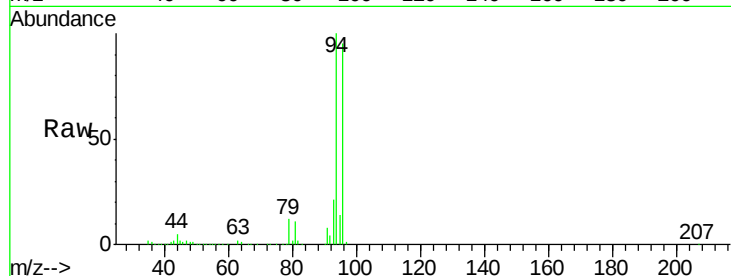
96 94.6 76.3 114.5

Manual Integrations

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8/28/2019 10:00:52 AM



Abundance Ion 93.90 (93.60 to 94.60): VU033975.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VU033975.D (-156) (-)

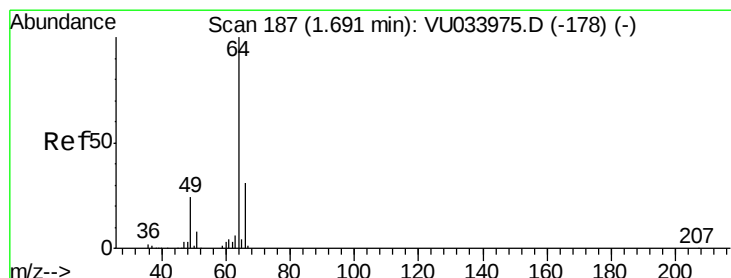
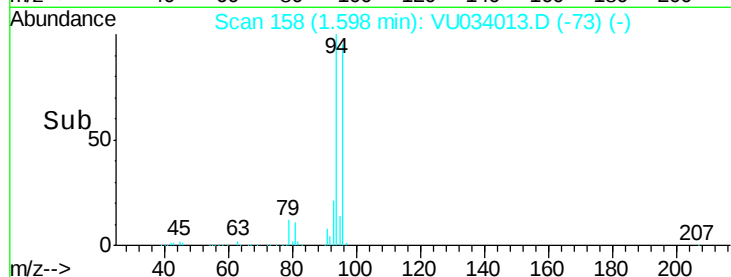
1.60

100000

50000

0

Time-->



#6

Chloroethane

Concen: 55.037 ug/l

RT: 1.68 min Scan# 182

Delta R.T. -0.02 min

Lab File: VU034013.D

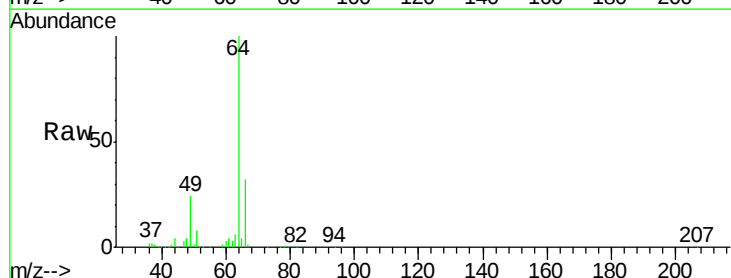
Acq: 28 Aug 2019 08:38

Tgt Ion: 64 Resp: 128293

Ion Ratio Lower Upper

64 100

66 32.6 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VU033975.D (-178) (-)

Ion 65.90 (65.60 to 66.60): VU033975.D (-178) (-)

1.68

100000

80000

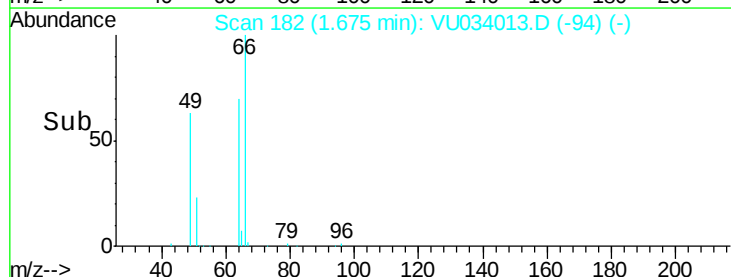
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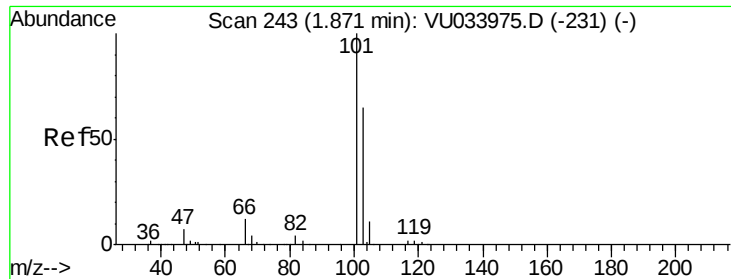
40000

20000

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Time-->





#7

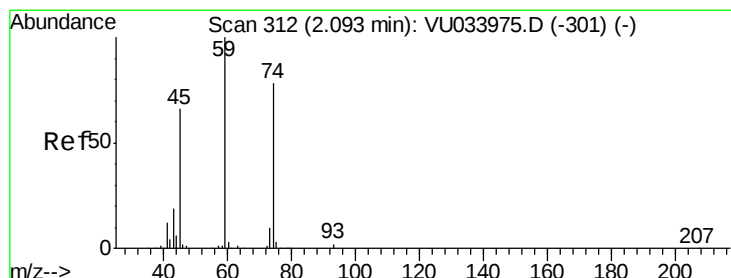
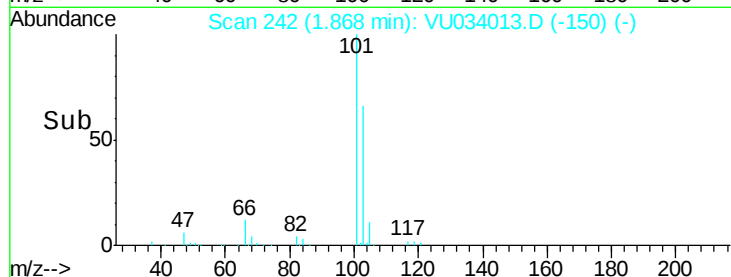
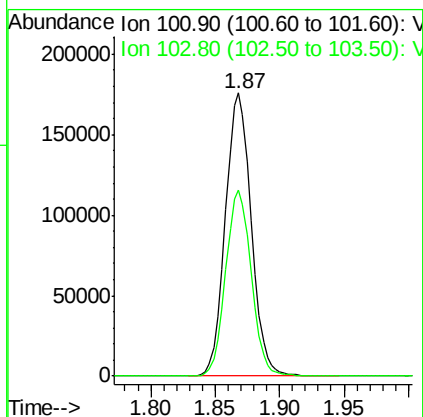
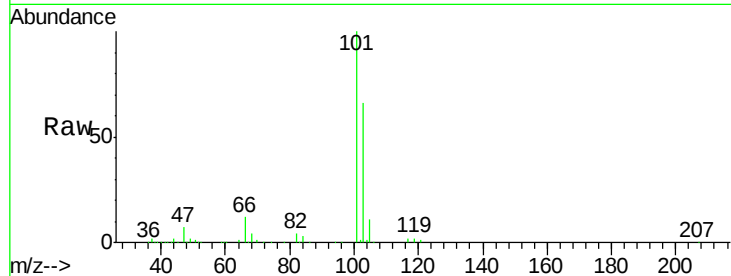
Trichlorofluoromethane
 Concen: 47.420 ug/l
 RT: 1.87 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.0	78.0

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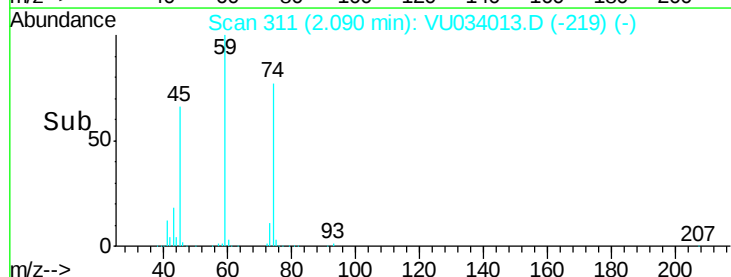
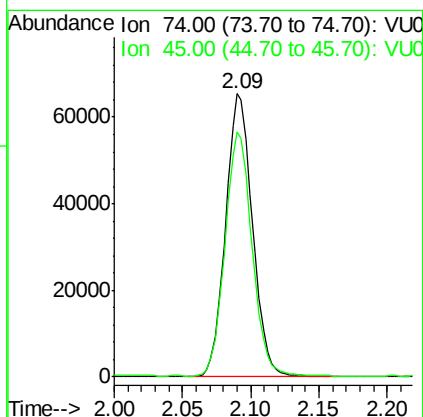
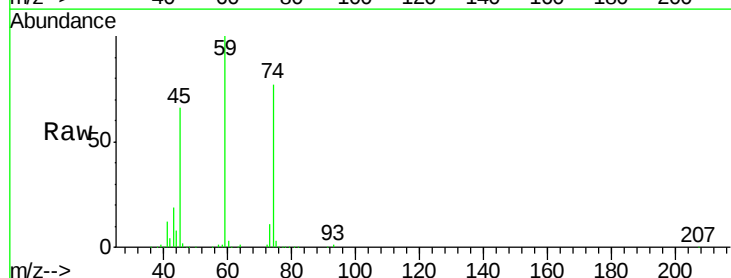
MMDadoda
 8/28/2019 10:00:52 AM

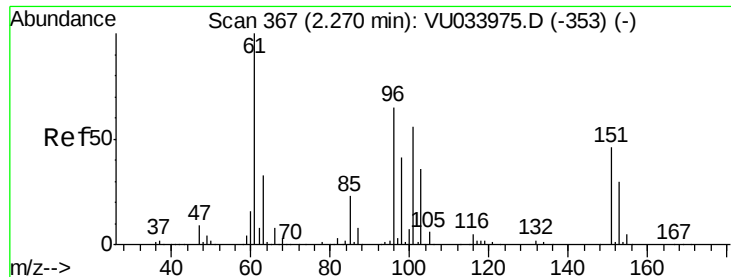


#8

Diethyl Ether
 Concen: 45.862 ug/l
 RT: 2.09 min Scan# 311
 Delta R.T. -0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.6	42.8	128.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.753 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

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MSVOA_U

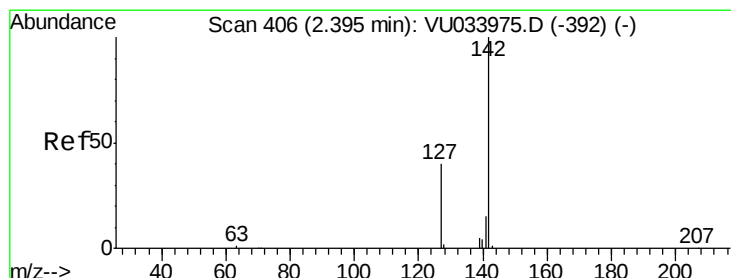
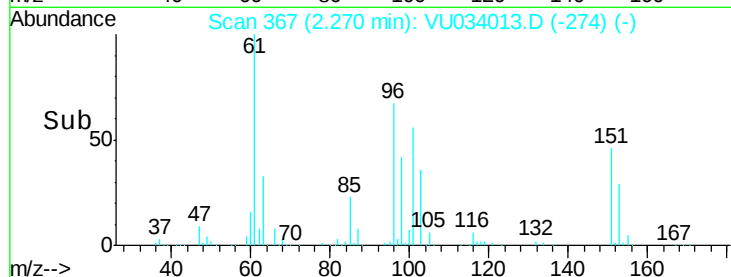
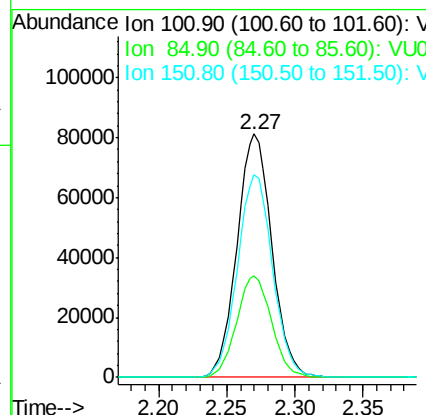
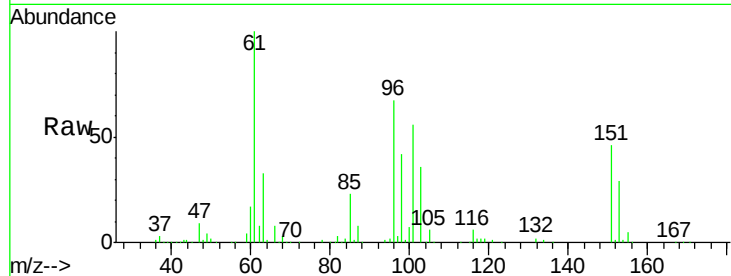
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	143945
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.4	50.0
151	84.1	67.6	101.4

Manual Integrations
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#10

Methyl Iodide

Concen: 49.634 ug/l

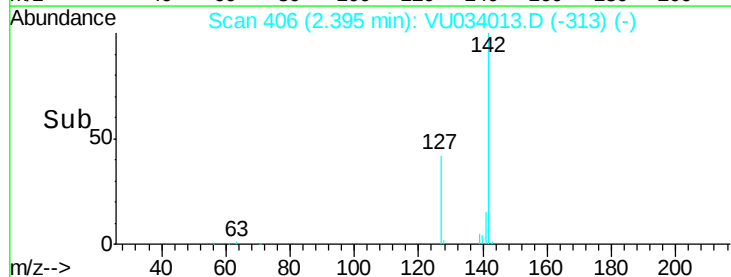
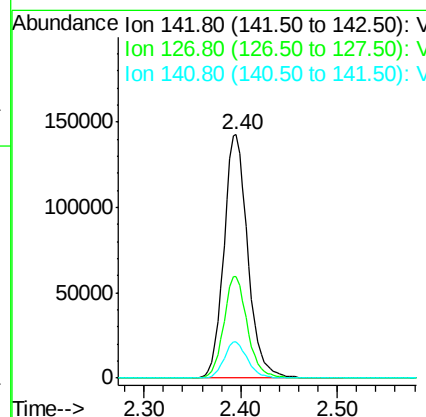
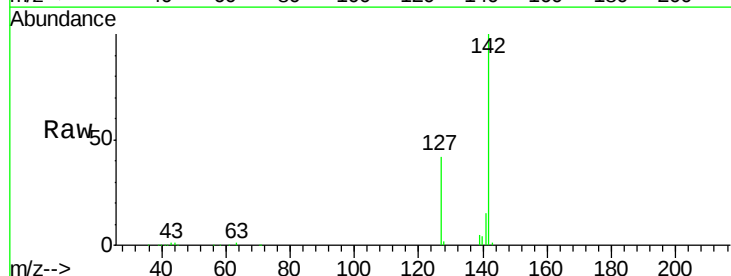
RT: 2.40 min Scan# 406

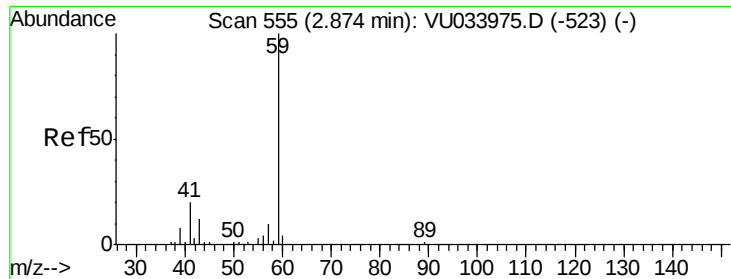
Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Tgt Ion:	142	Resp:	244538
Ion Ratio	Lower	Upper	
142	100		
127	41.2	32.2	48.2
141	14.6	11.8	17.8





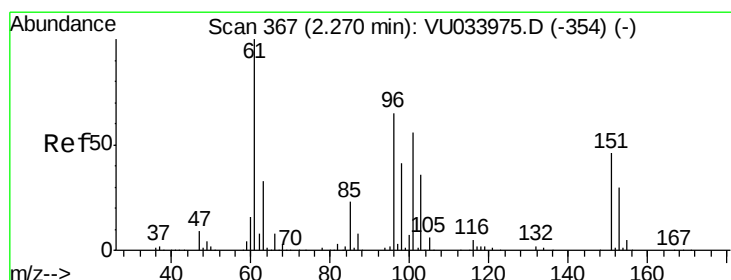
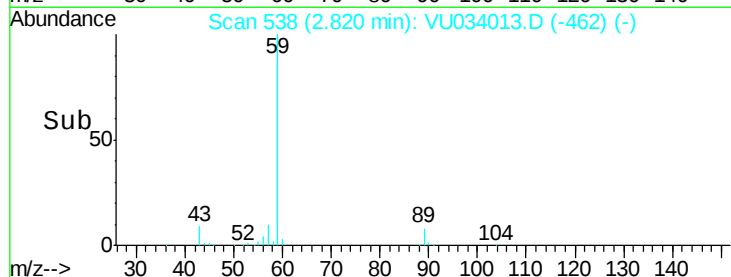
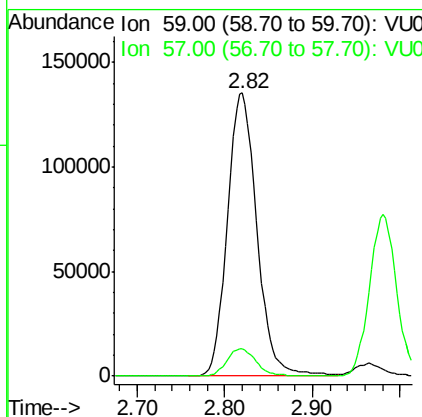
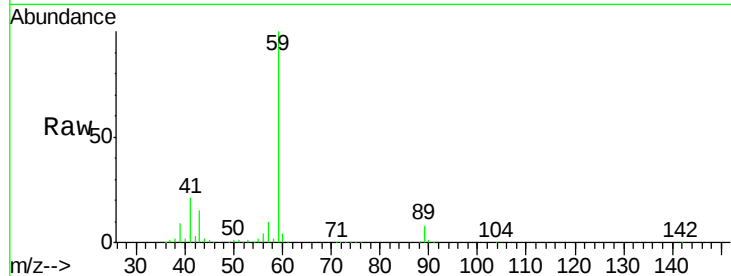
#11
Tert butyl alcohol
Concen: 282.980 ug/l
RT: 2.82 min Scan# 538
Delta R.T. -0.05 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 317485
Ion Ratio Lower Upper
59 100
57 9.7 3.9 5.9#

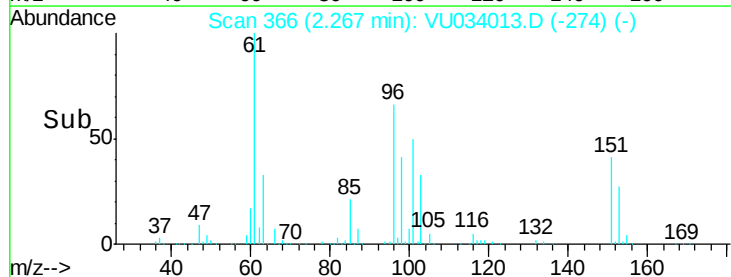
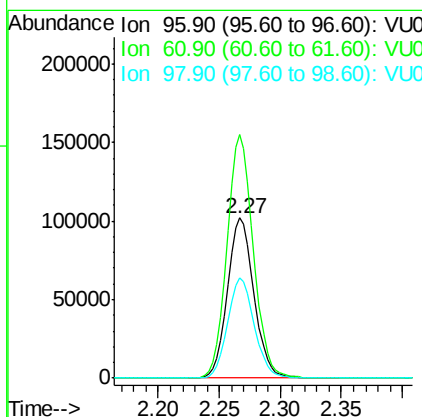
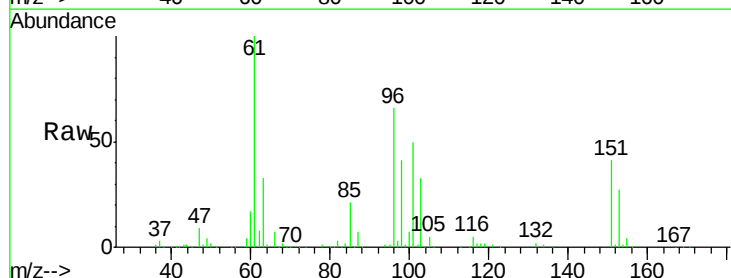
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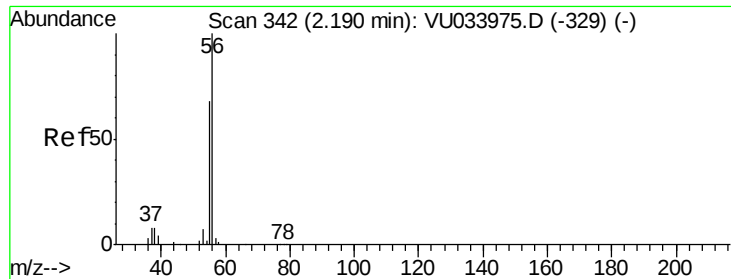
MMDadoda
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#12
1,1-Dichloroethene
Concen: 45.094 ug/l
RT: 2.27 min Scan# 366
Delta R.T. -0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Tgt Ion: 96 Resp: 154847
Ion Ratio Lower Upper
96 100
61 151.9 123.3 184.9
98 62.2 50.5 75.7





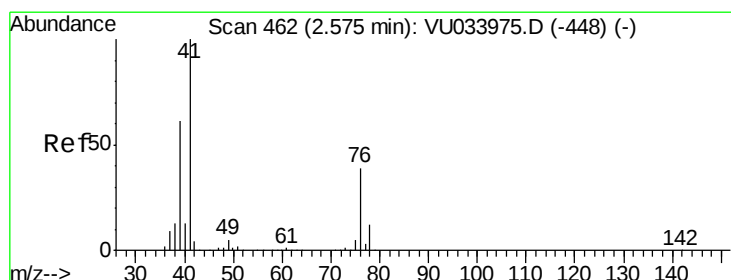
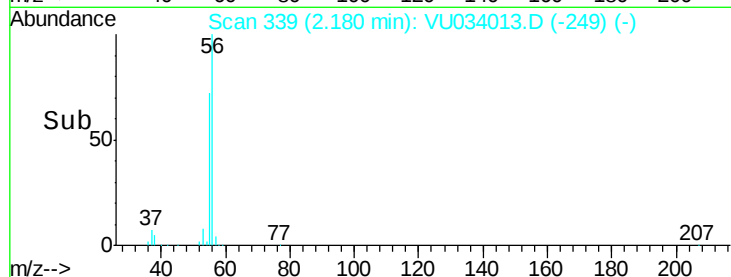
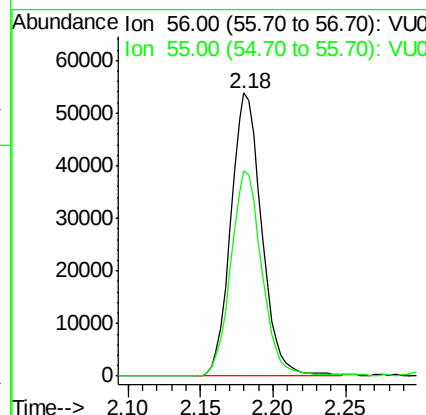
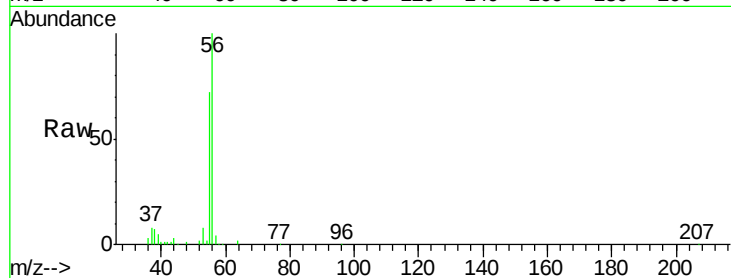
#13
Acrolein
Concen: 222.609 ug/l
RT: 2.18 min Scan# 339
Delta R.T. -0.01 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	79315
Ion Ratio	100	Lower	Upper
56	100		
55	72.8	58.0	87.0

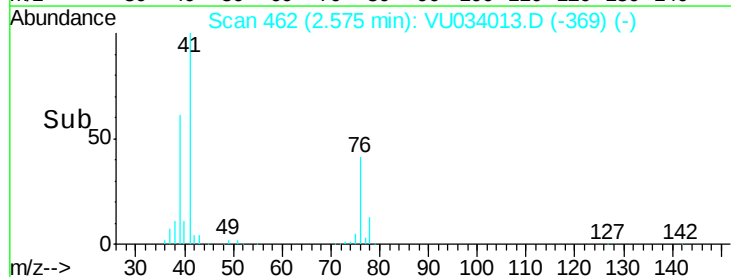
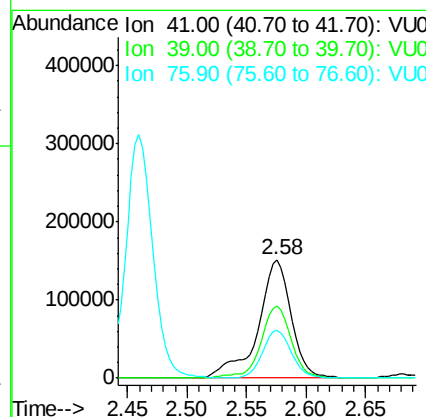
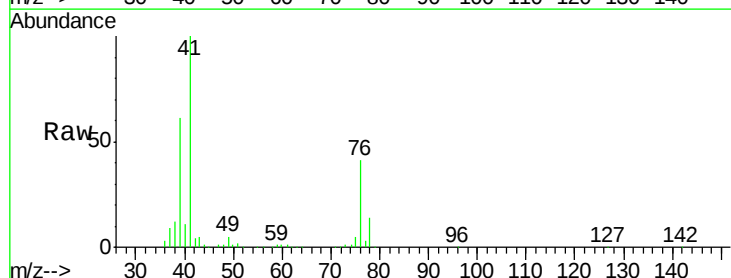
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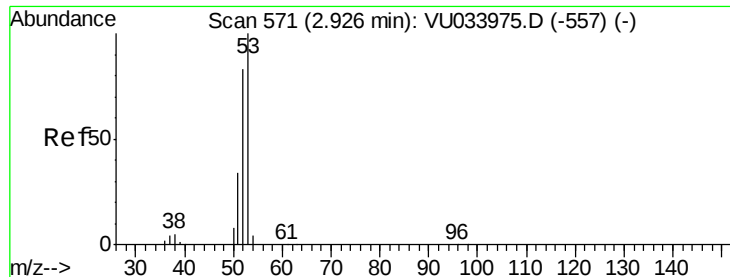
MMDadoda
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#14
Allyl chloride
Concen: 48.154 ug/l
RT: 2.58 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Tgt Ion	41	Resp	292776
Ion Ratio	100	Lower	Upper
41	100		
39	55.6	45.9	68.9
76	34.4	29.4	44.2





#15

Acrylonitrile

Concen: 332.767 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.01 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

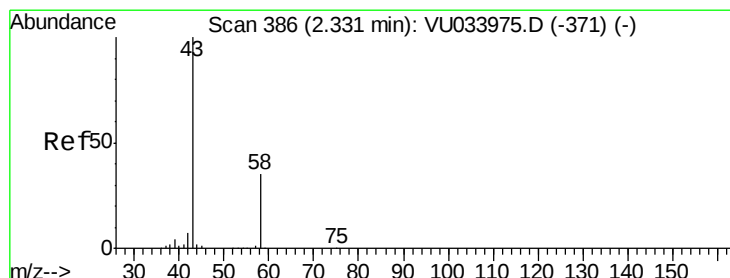
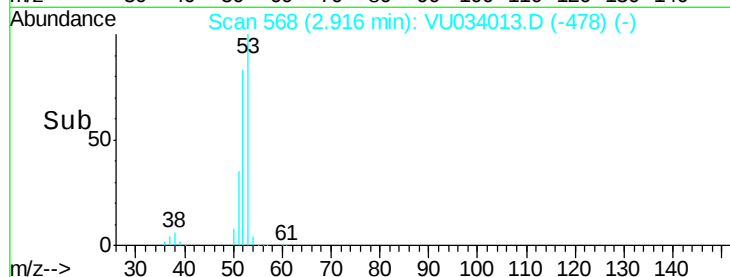
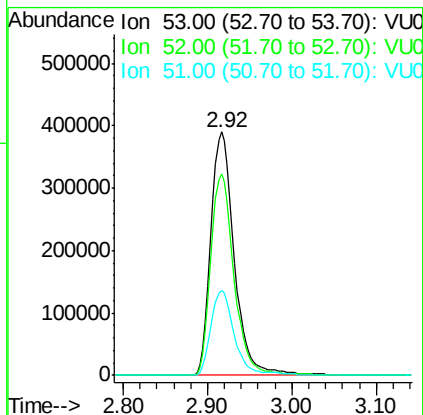
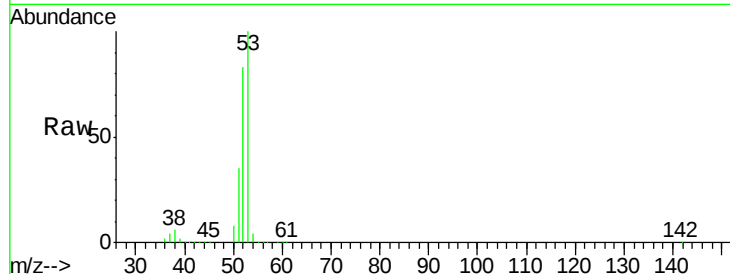
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	754731
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.7	100.1
51	35.3	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 206.844 ug/l

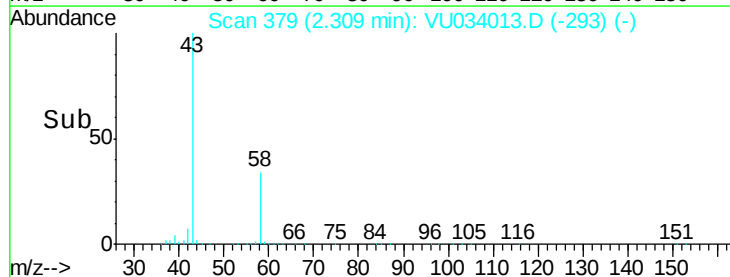
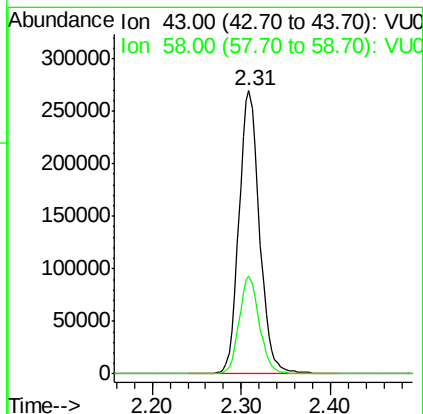
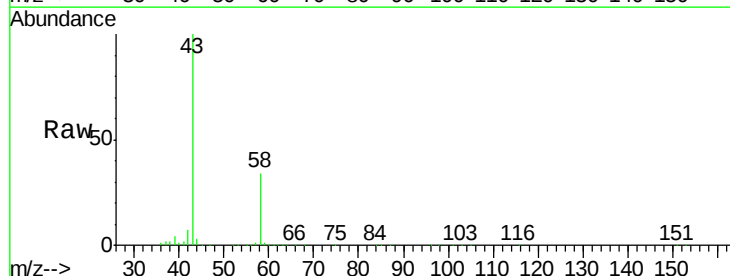
RT: 2.31 min Scan# 379

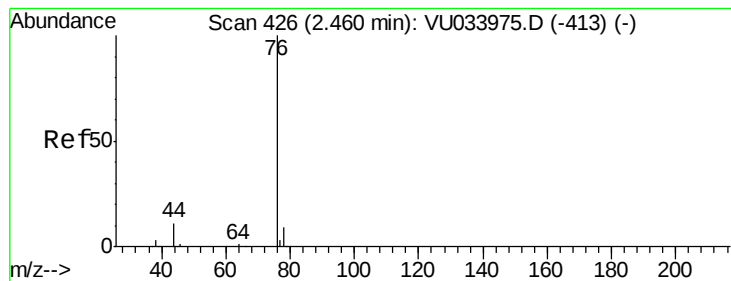
Delta R.T. -0.02 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Tgt Ion:	43	Resp:	428858
Ion	Ratio	Lower	Upper
43	100		
58	34.3	28.0	42.0





#17

Carbon Disulfide

Concen: 44.247 ug/l

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 498933

Ion Ratio Lower Upper

76 100

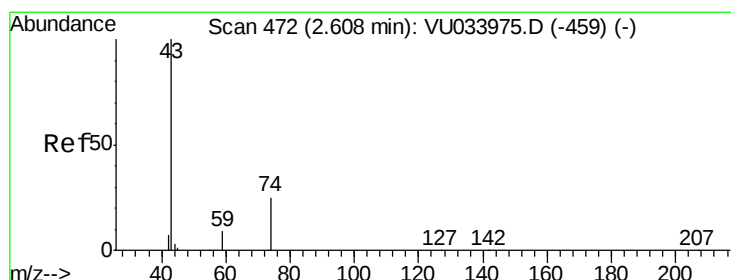
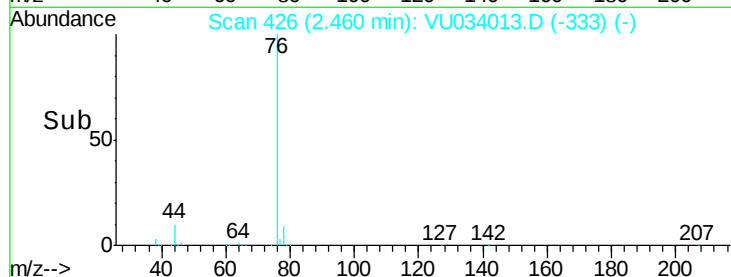
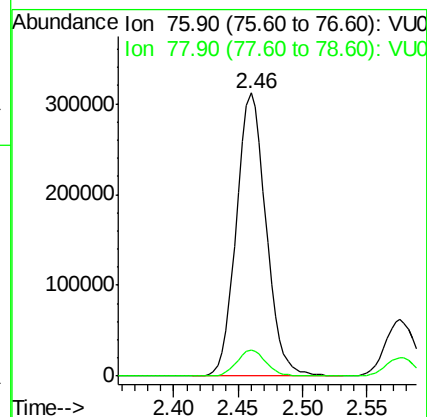
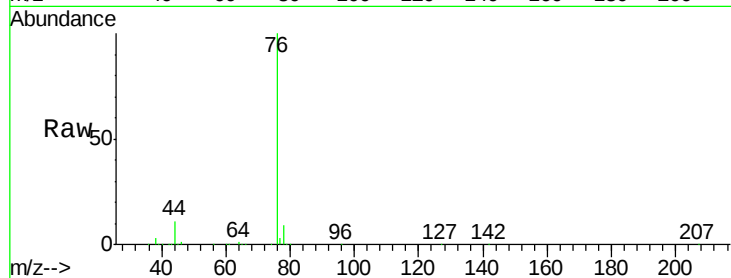
78 9.3 7.5 11.3

Manual Integrations

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#18

Methyl Acetate

Concen: 54.776 ug/l

RT: 2.60 min Scan# 469

Delta R.T. -0.01 min

Lab File: VU034013.D

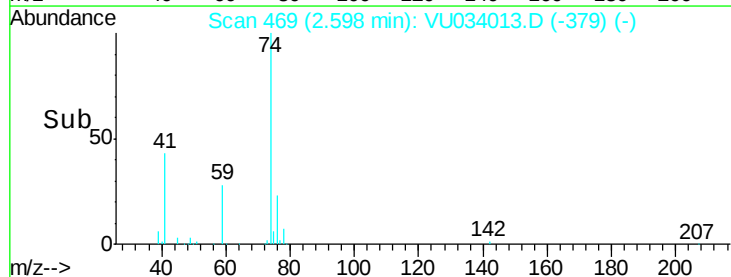
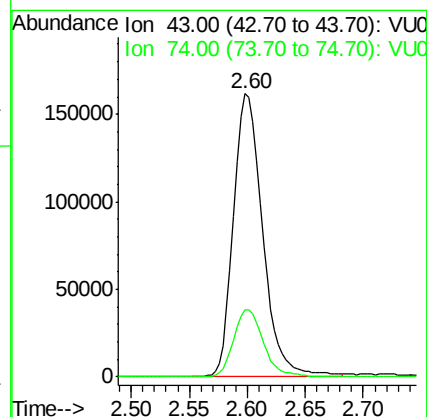
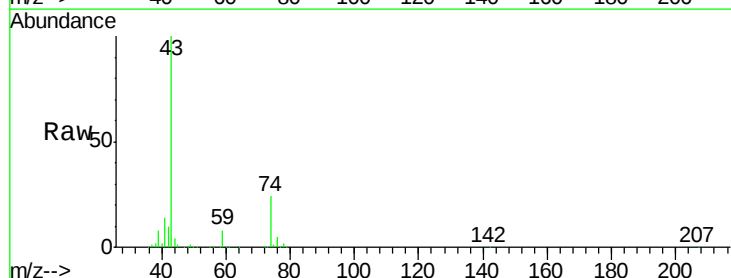
Acq: 28 Aug 2019 08:38

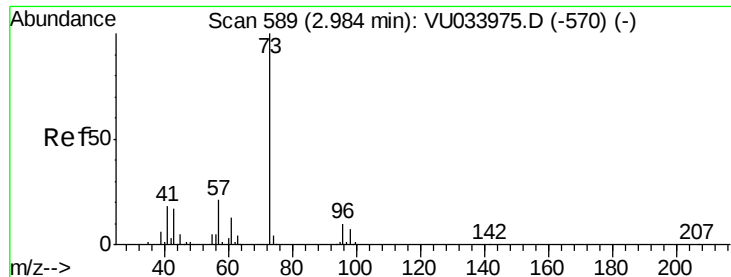
Tgt Ion: 43 Resp: 279726

Ion Ratio Lower Upper

43 100

74 24.6 20.5 30.7





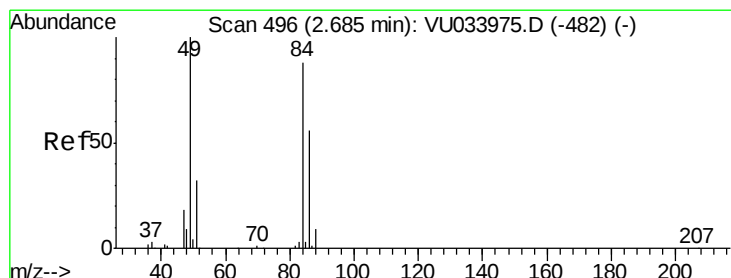
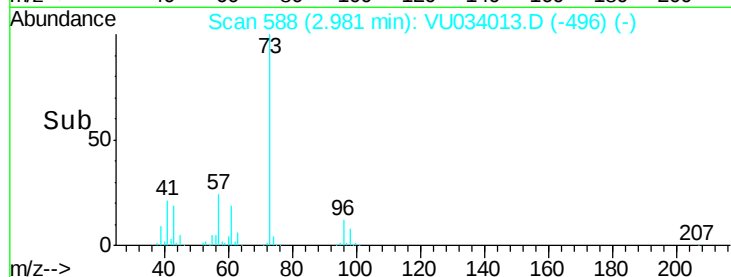
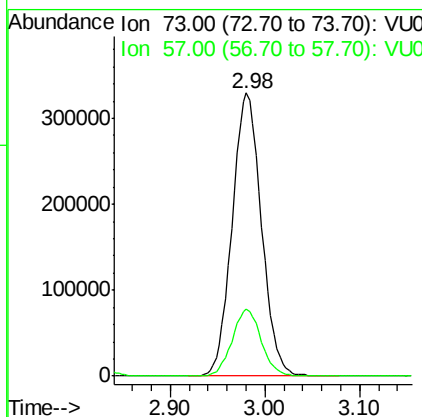
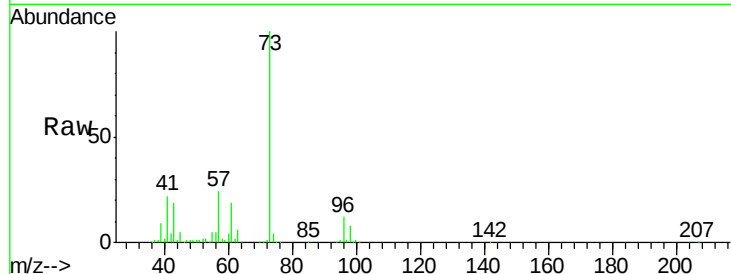
#19
Methvl tert-butvl Ether
Concen: 61.362 ug/l
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	17.5	26.3

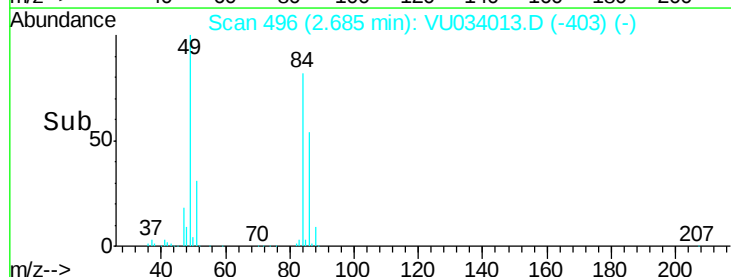
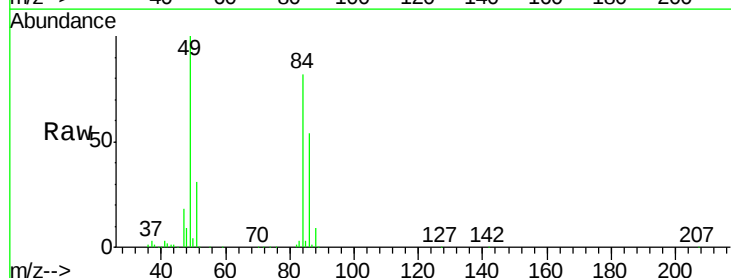
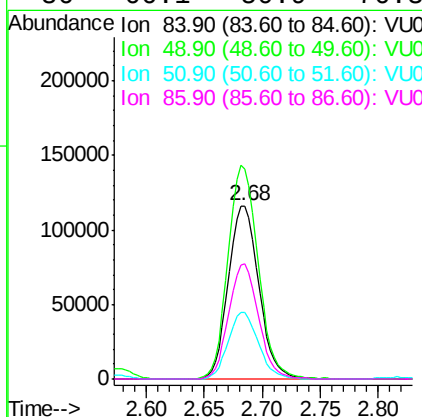
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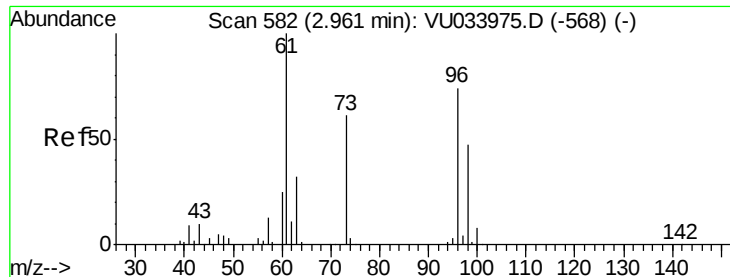
MMDadoda
8/28/2019 10:00:52 AM



#20
Methylene Chloride
Concen: 48.094 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.4	91.3	136.9
51	38.1	28.9	43.3
86	66.1	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 56.581 ug/l

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 221522

Ion Ratio Lower Upper

96 100

61 151.5 108.2 162.2

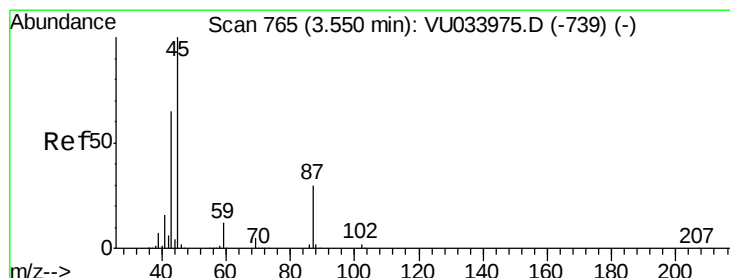
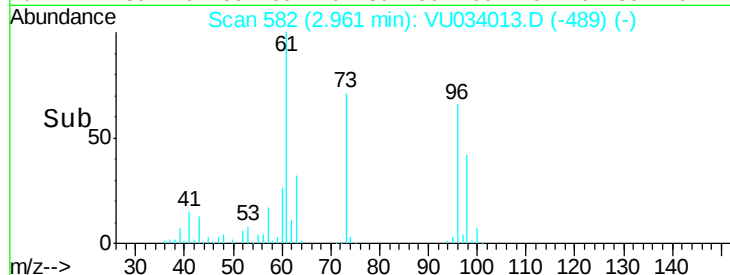
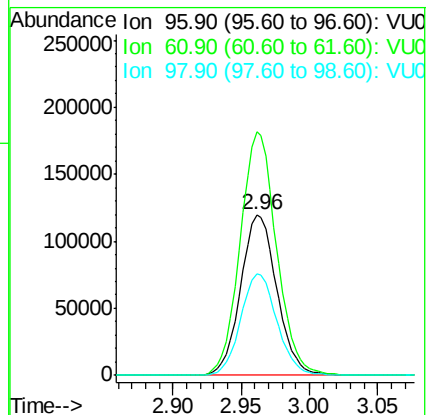
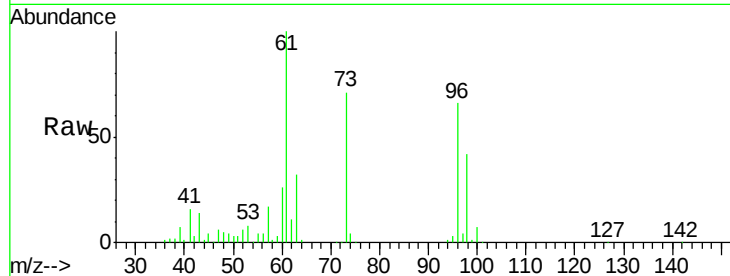
98 63.3 50.3 75.5

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#22

Diisopropyl ether

Concen: 70.071 ug/l

RT: 3.55 min Scan# 764

Delta R.T. -0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Tgt Ion: 45 Resp: 782766

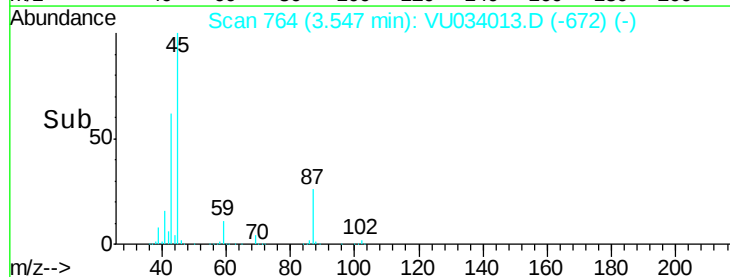
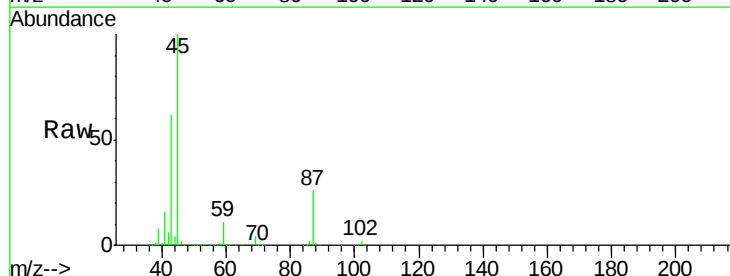
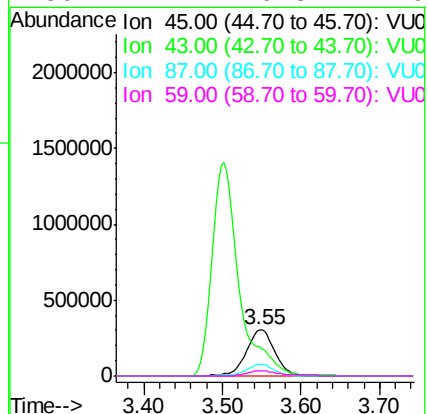
Ion Ratio Lower Upper

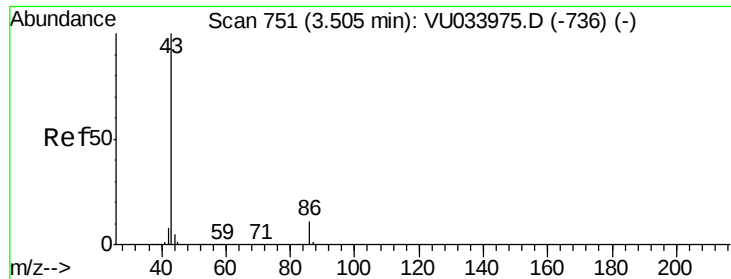
45 100

43 62.0 51.6 77.4

87 26.1 24.4 36.6

59 11.4 9.8 14.6





#23

Vinyl Acetate

Concen: 352.302 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3343491

Ion Ratio Lower Upper

43 100

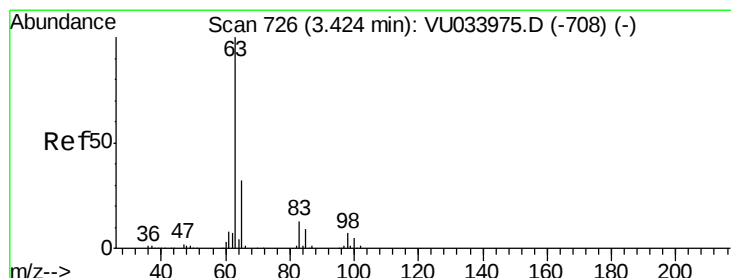
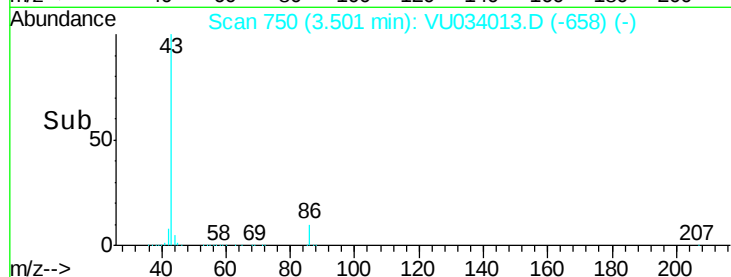
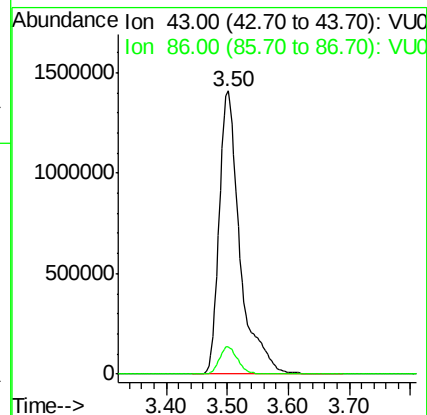
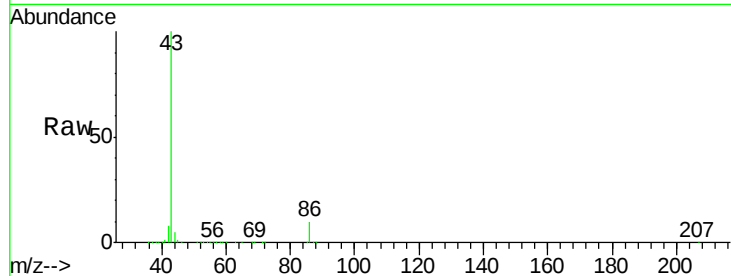
86 9.7 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 62.579 ug/l

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

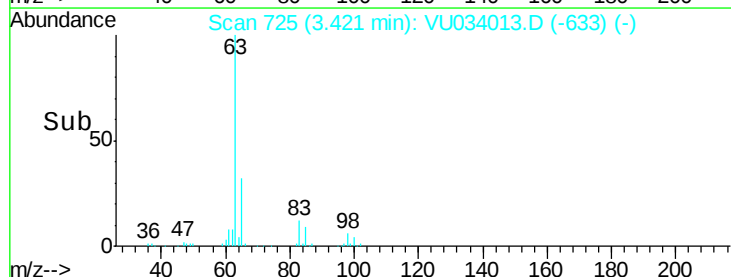
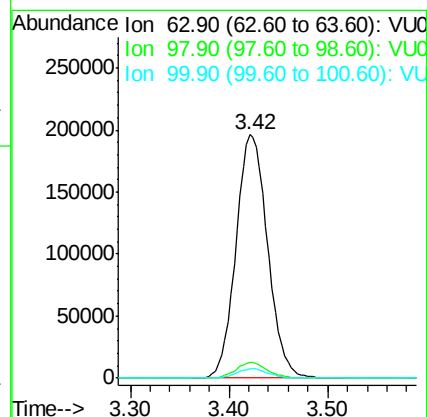
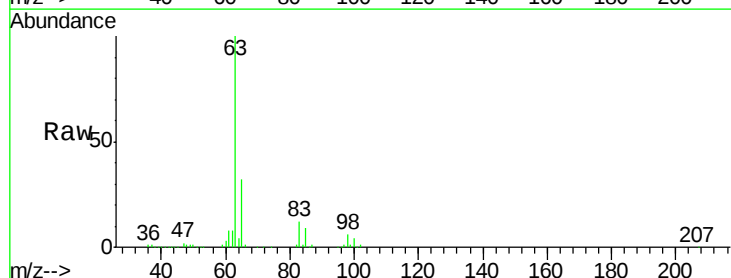
Tgt Ion: 63 Resp: 437682

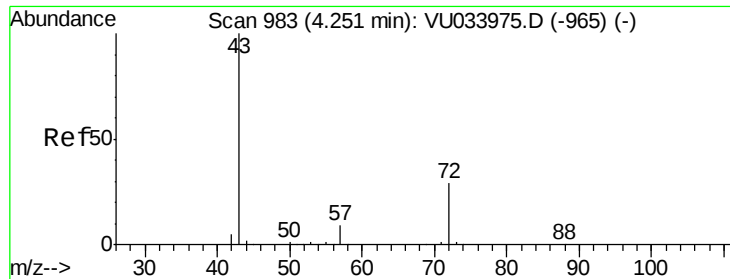
Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 3.8 2.3 6.8





#25

2-Butanone

Concen: 345.049 ug/l

RT: 4.23 min Scan# 978

Delta R.T. -0.02 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1025499

Ion Ratio Lower Upper

43 100

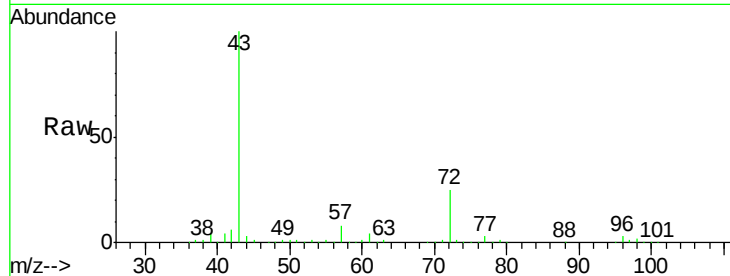
72 25.1 22.9 34.3

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Abundance Ion 43.00 (42.70 to 43.70): VU033975.D (-965) (-)

Ion 72.00 (71.70 to 72.70): VU033975.D (-965) (-)

4.23

400000

300000

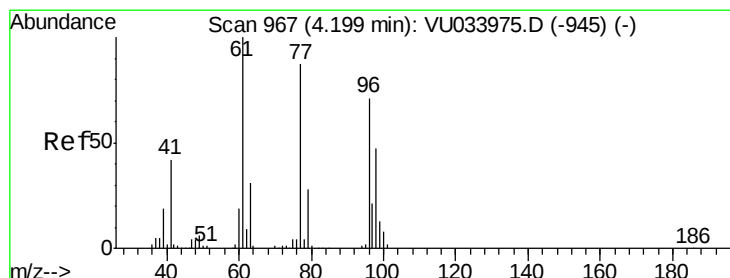
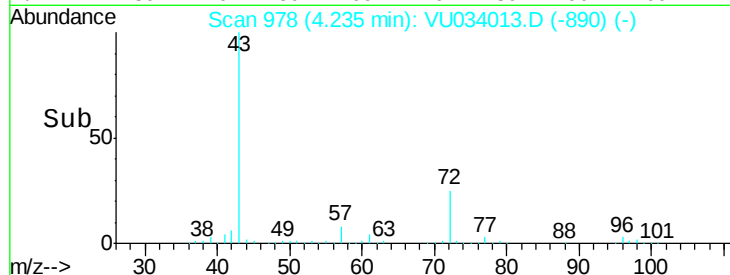
200000

100000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 39.025 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034013.D

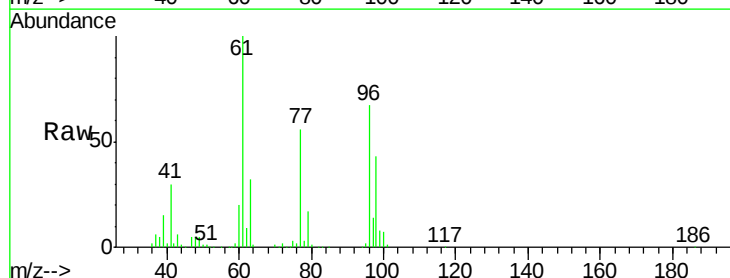
Acq: 28 Aug 2019 08:38

Tgt Ion: 77 Resp: 230784

Ion Ratio Lower Upper

77 100

97 24.2 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VU033975.D (-945) (-)

Ion 96.90 (96.60 to 97.60): VU033975.D (-945) (-)

4.20

100000

80000

60000

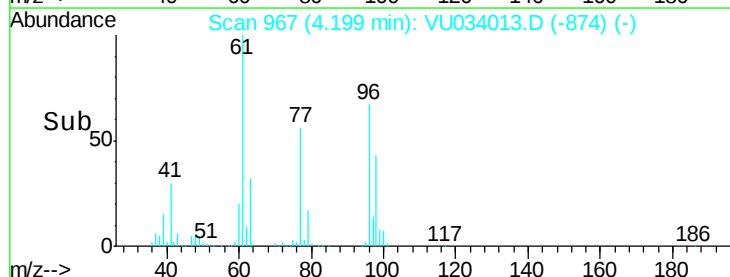
40000

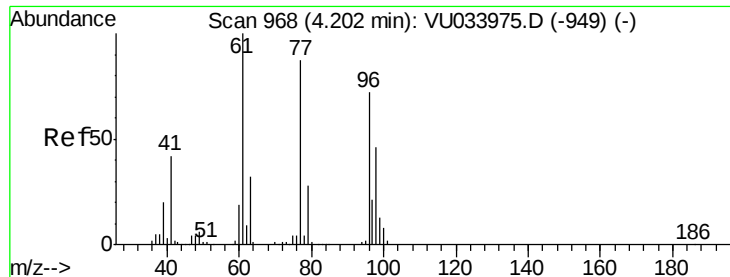
20000

0

4.10 4.20 4.30

Time-->





#27

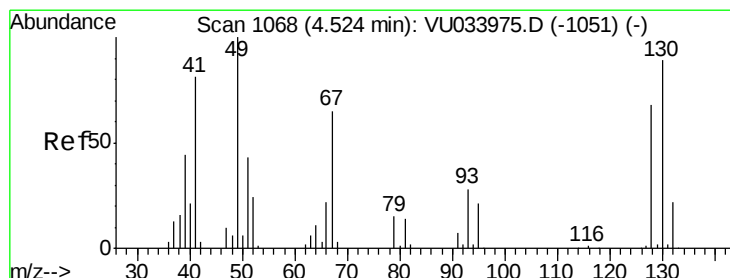
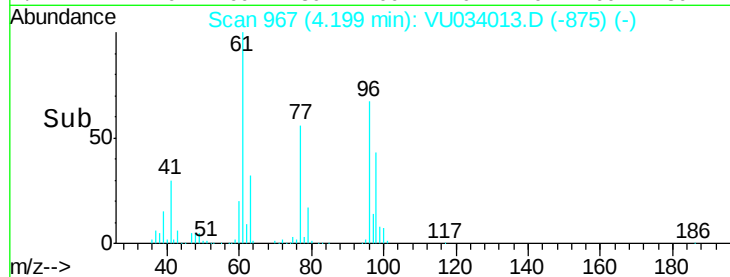
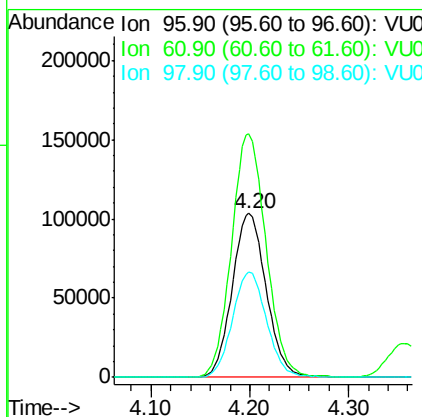
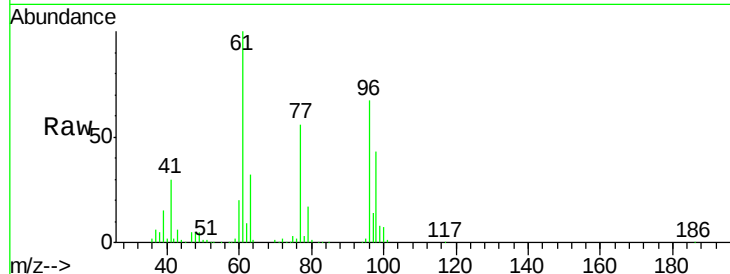
cis-1,2-Dichloroethene
 Concen: 56.746 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	248697		
61	150.8	0.0	287.2	
98	64.4	0.0	131.8	

Manual Integrations
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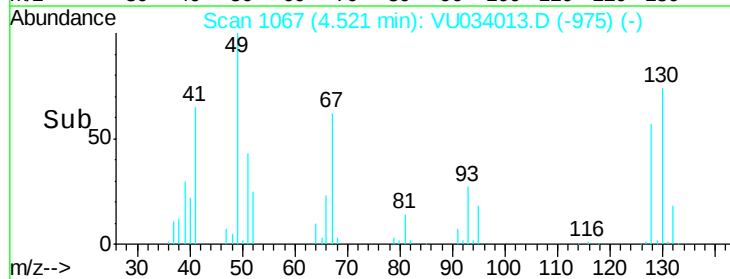
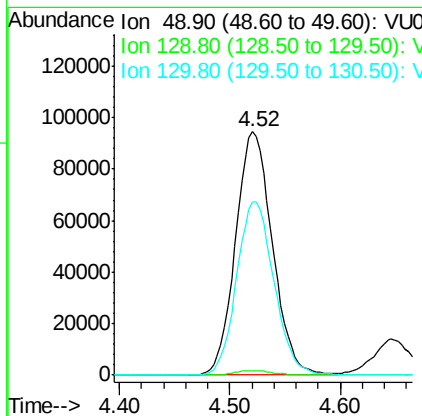
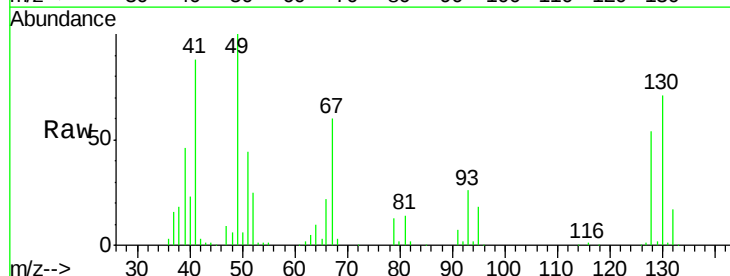
MMDadoda
 8/28/2019 10:00:52 AM

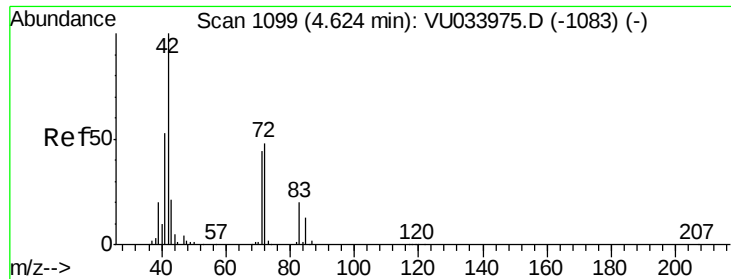


#28

Bromochloromethane
 Concen: 68.055 ug/l
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	218998		
129	1.9	0.0	4.6	
130	72.4	71.0	106.6	





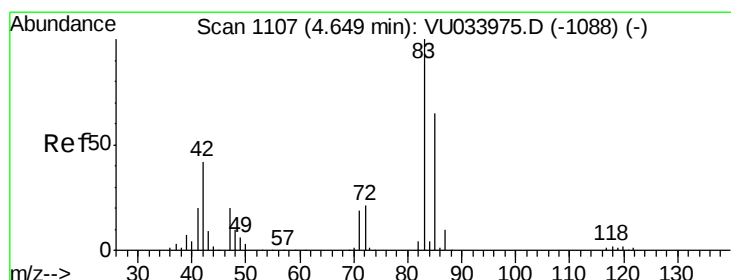
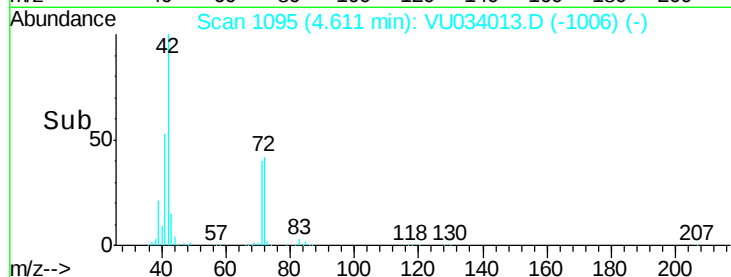
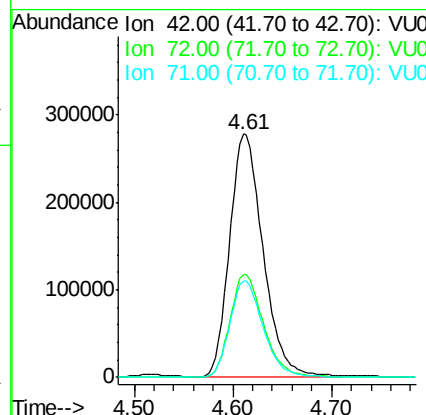
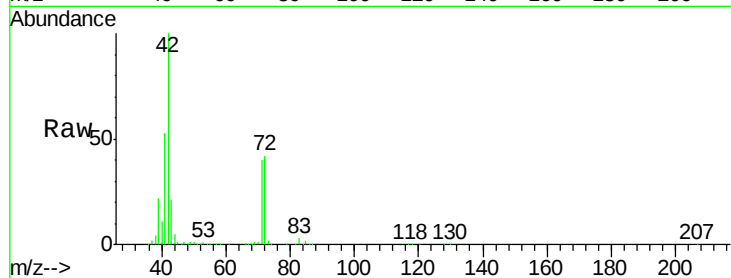
#29
Tetrahydrofuran
Concen: 352.982 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	38.9	58.3
71	39.7	35.7	53.5

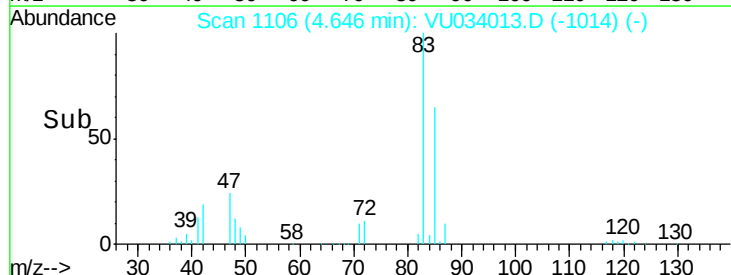
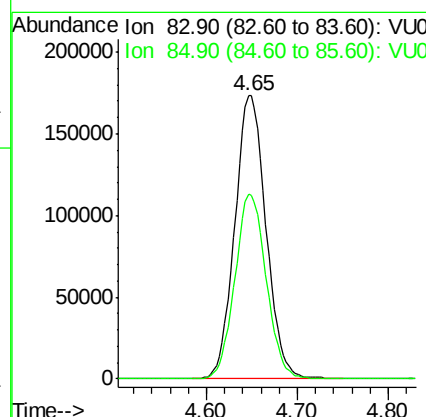
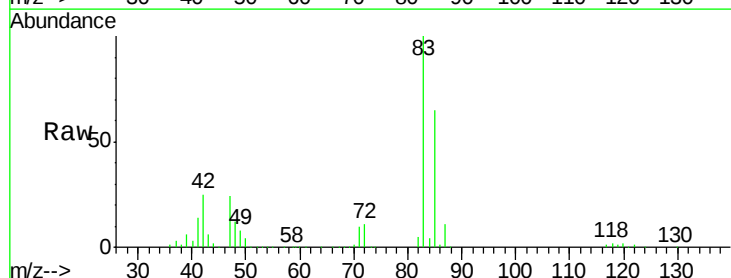
Manual Integrations
APPROVED

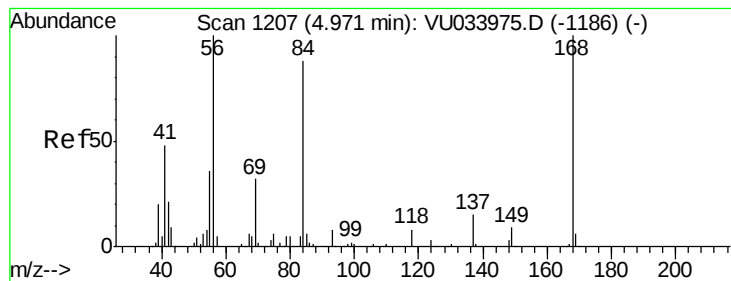
MMDadoda
8/28/2019 10:00:52 AM



#30
Chloroform
Concen: 57.699 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1





#31

Cyclohexane

Concen: 60.496 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 386371

Ion Ratio Lower Upper

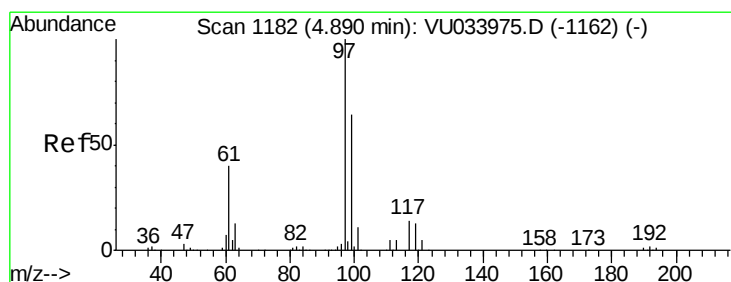
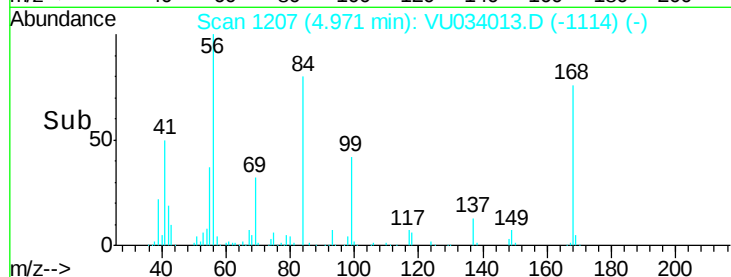
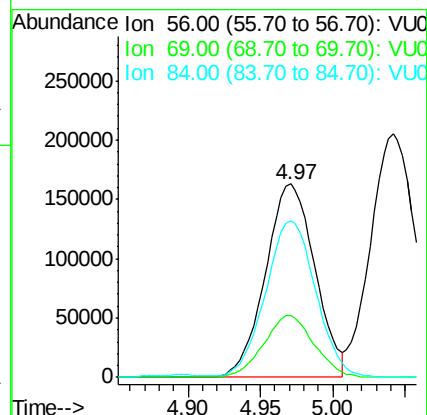
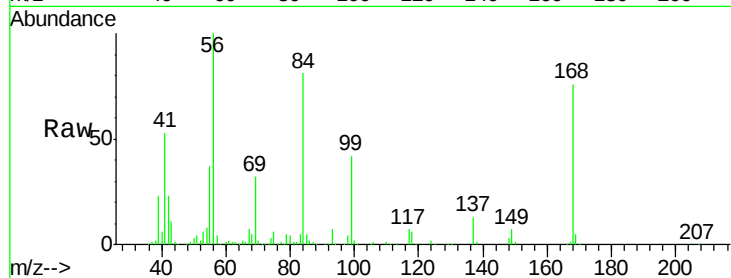
56 100

69 32.0 25.9 38.9

84 80.2 70.4 105.6

Manual Integrations
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8/28/2019 10:00:52 AM



#32

1,1,1-Trichloroethane

Concen: 57.558 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

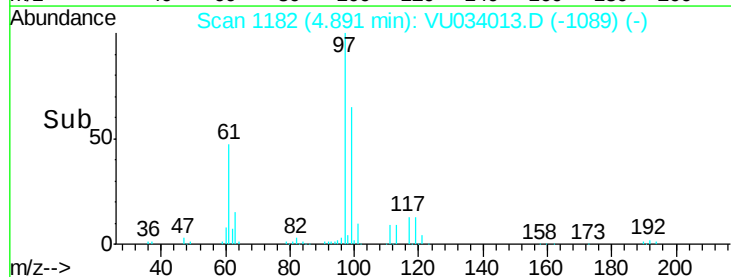
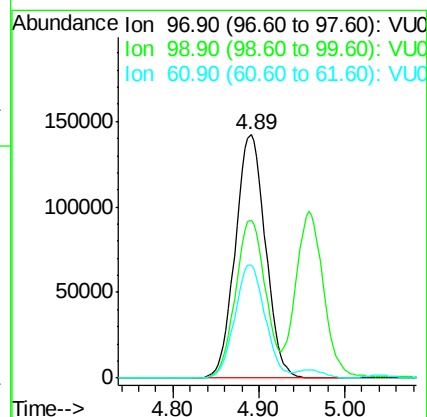
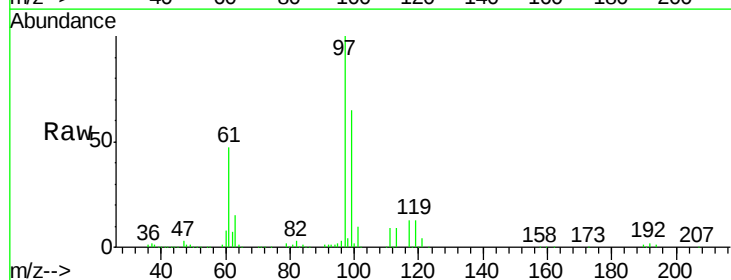
Tgt Ion: 97 Resp: 347031

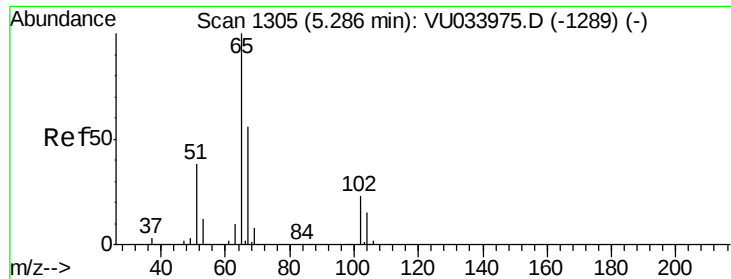
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 46.7 32.7 49.1





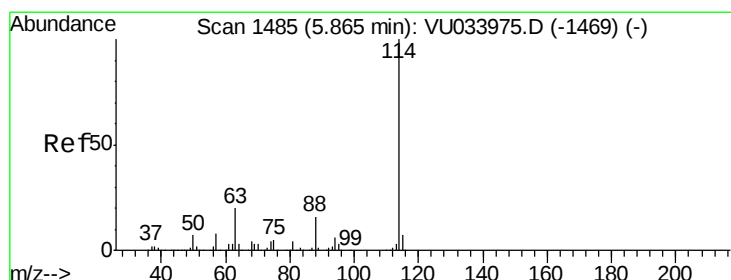
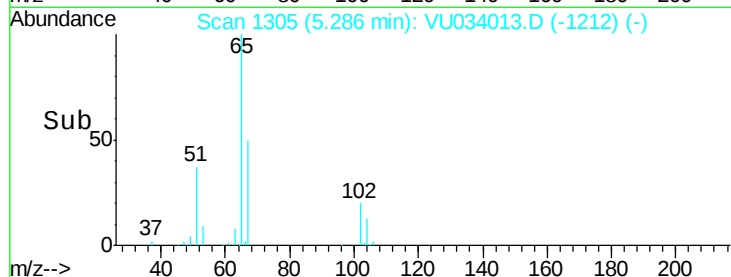
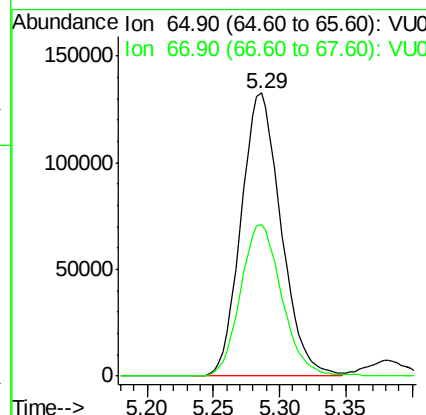
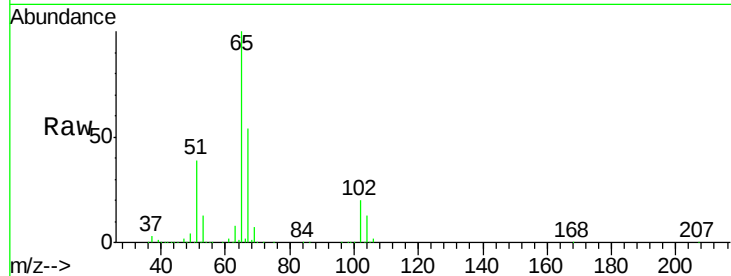
#33
 1,2-Dichloroethane-d4
 Concen: 64.374 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	278840		
67	55.3	0.0	111.0	

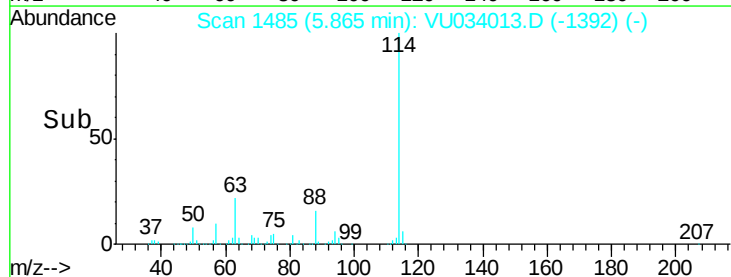
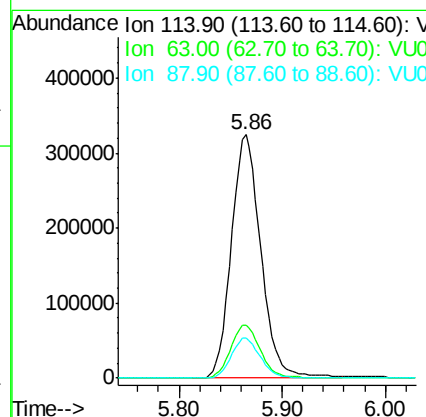
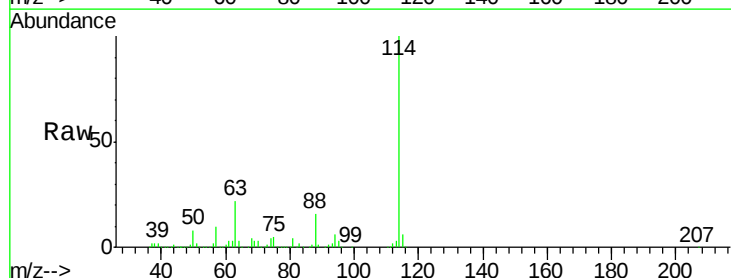
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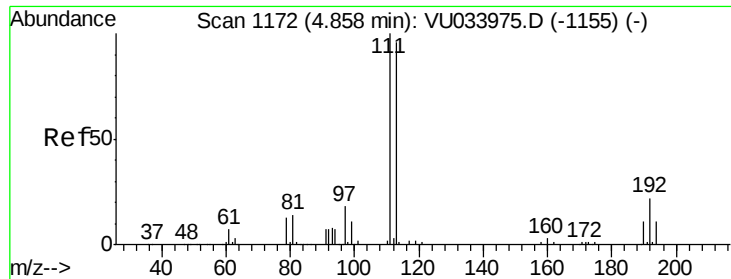
MMDadoda
 8/28/2019 10:00:52 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	646955		
63	21.8	0.0	39.0	
88	16.4	0.0	31.2	





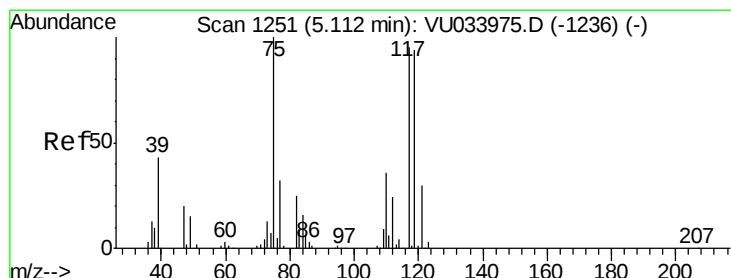
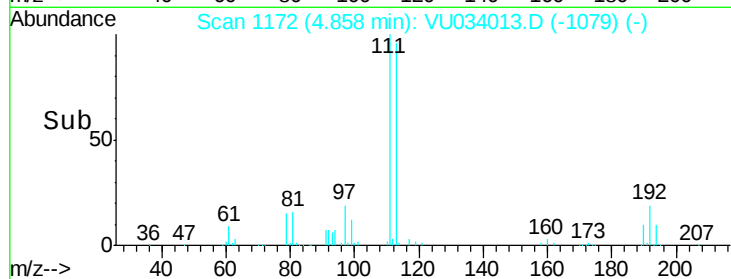
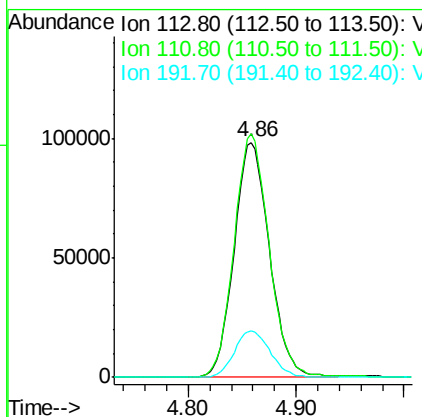
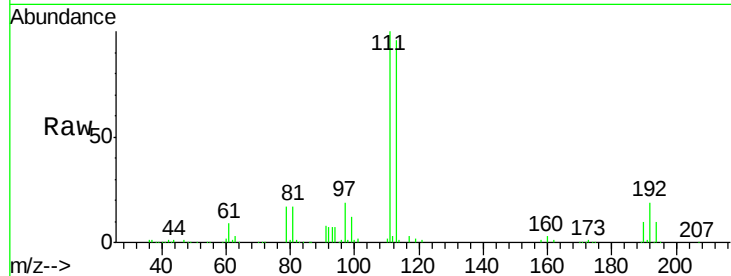
#35
 Dibromofluoromethane
 Concen: 51.681 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	224751		
111	102.6	81.7	122.5	
192	20.1	18.6	27.8	

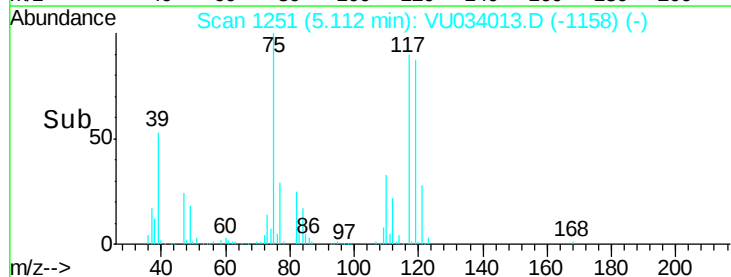
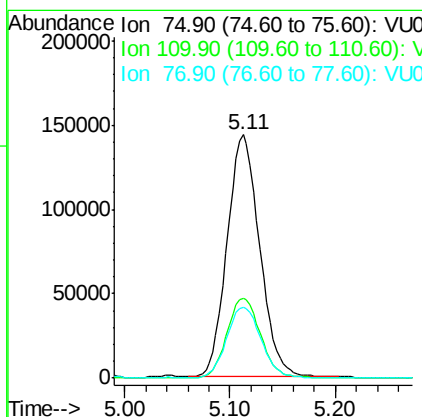
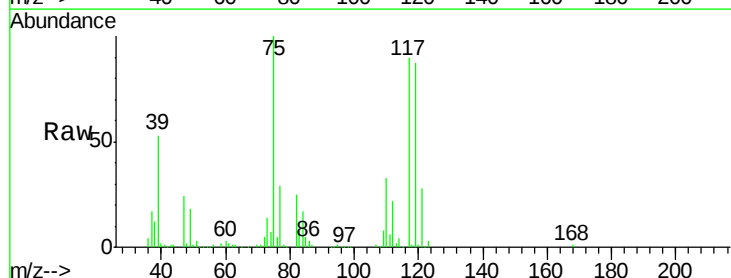
Manual Integrations
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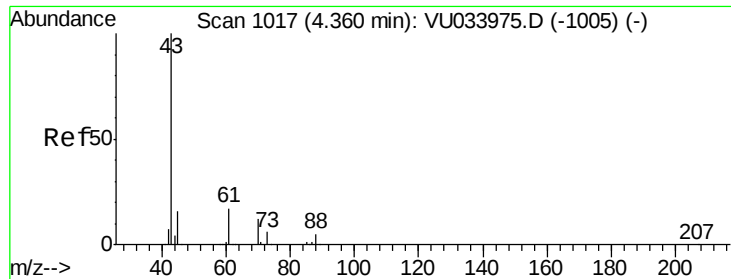
MMDadoda
 8/28/2019 10:00:52 AM



#36
 1,1-Dichloropropene
 Concen: 51.784 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	306846		
110	34.3	18.2	54.6	
77	30.6	24.8	37.2	





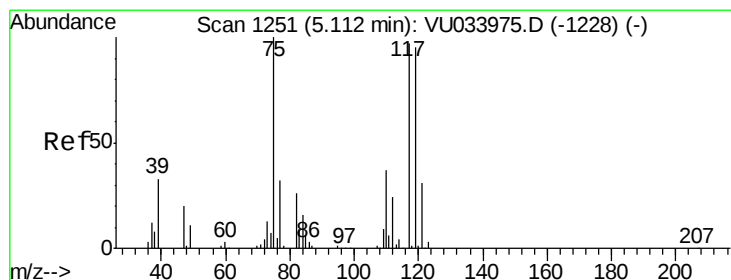
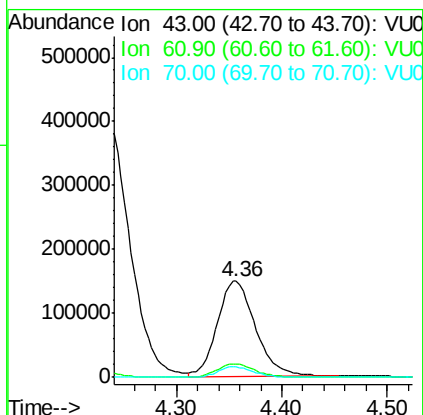
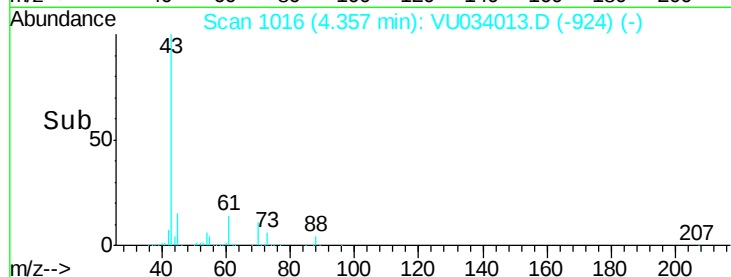
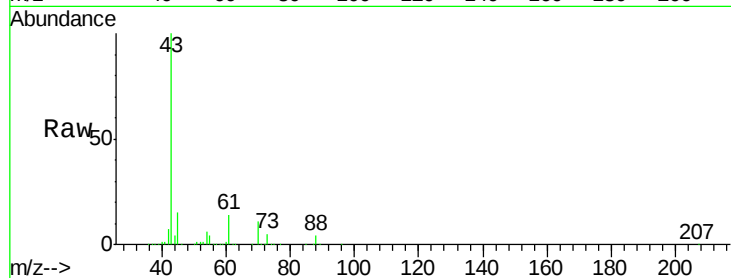
#37
Ethyl Acetate
Concen: 62.622 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	12.0	18.0
70	10.5	9.2	13.8

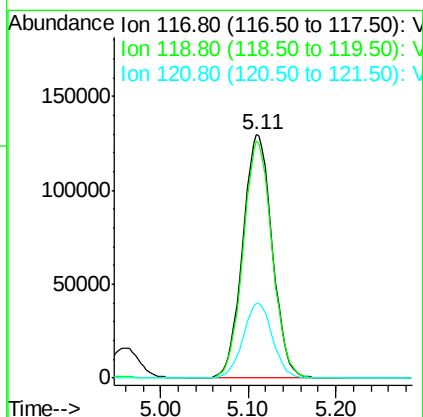
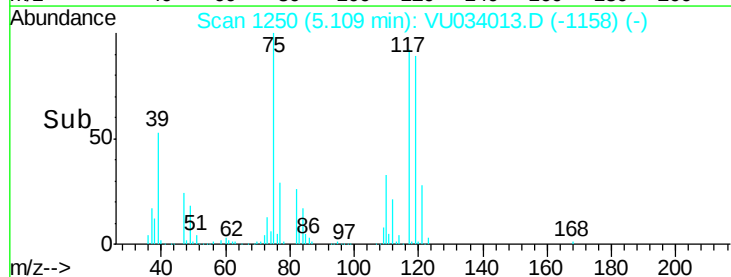
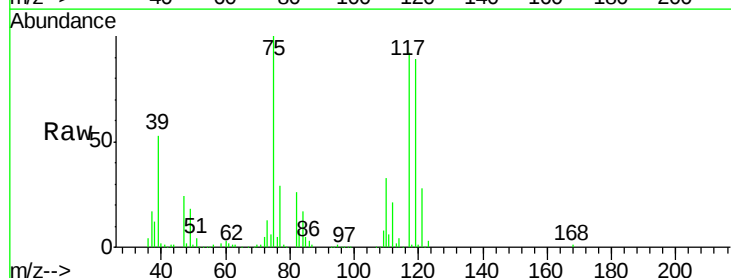
Manual Integrations
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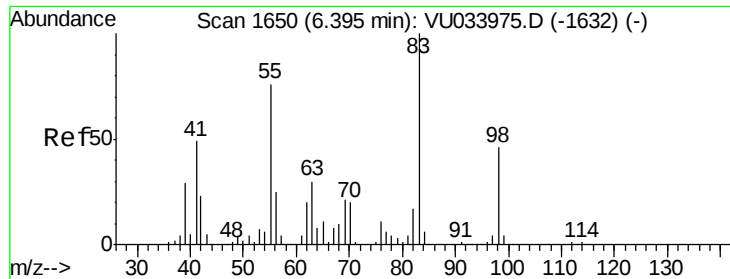
MMDadoda
8/28/2019 10:00:52 AM



#38
Carbon Tetrachloride
Concen: 49.994 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	78.4	117.6
121	30.8	25.4	38.2





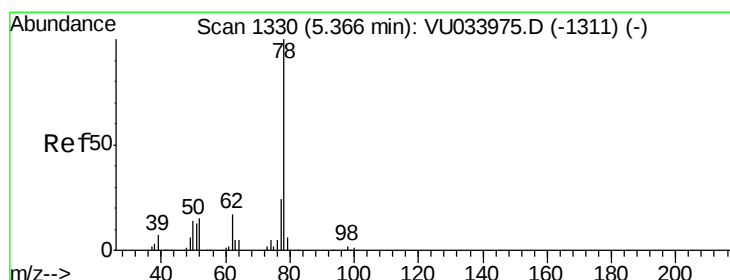
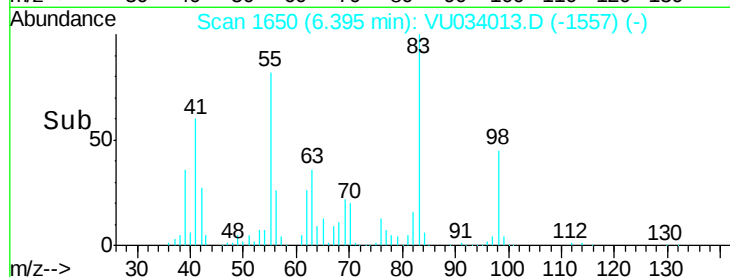
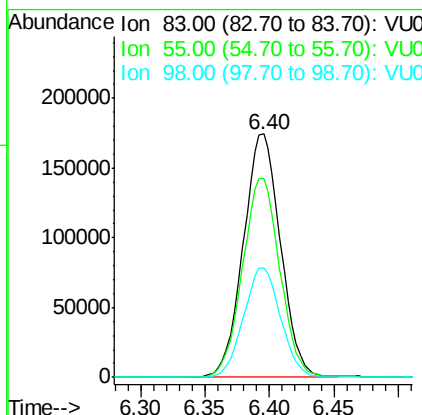
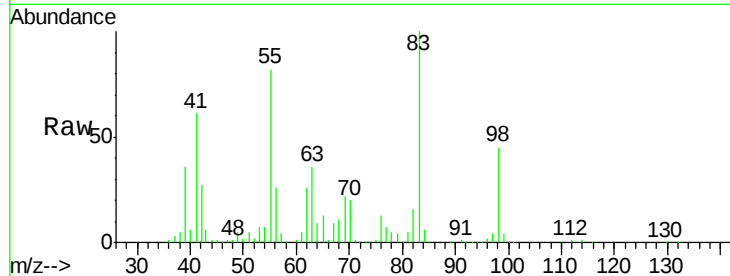
#39
Methvlcvclohexane
Concen: 50.097 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.6	60.8	91.2
98	44.9	36.5	54.7

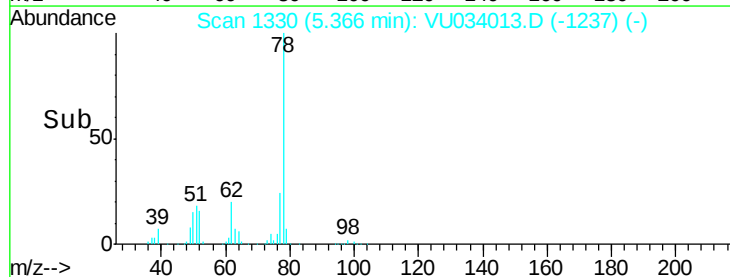
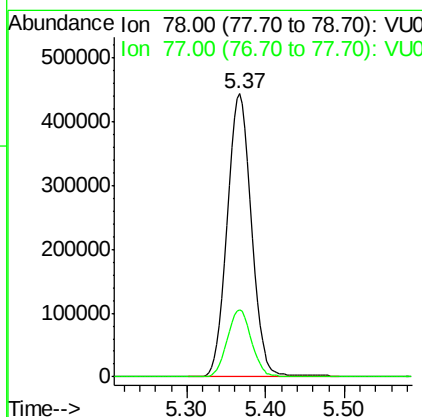
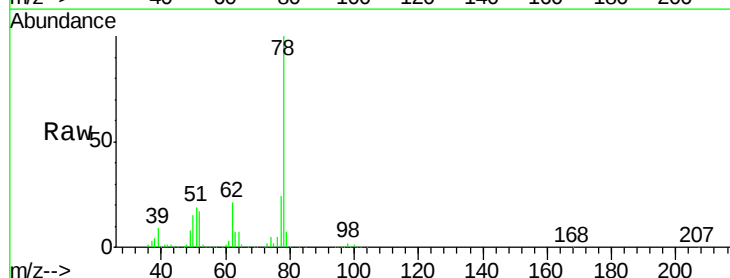
Manual Integrations
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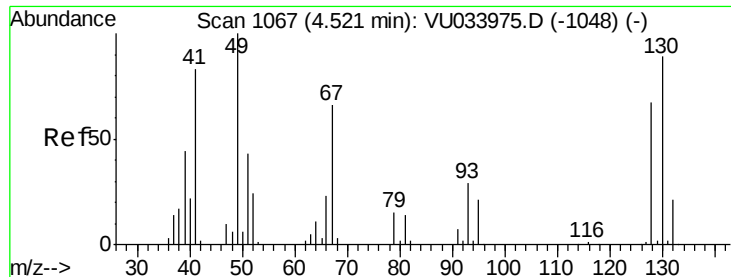
MMDadoda
8/28/2019 10:00:52 AM



#40
Benzene
Concen: 53.797 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8





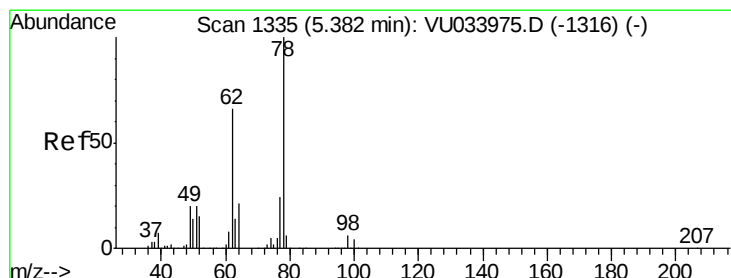
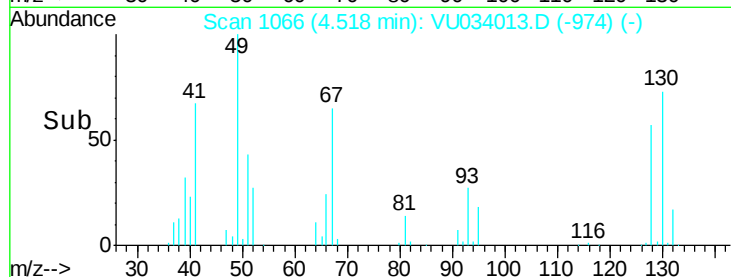
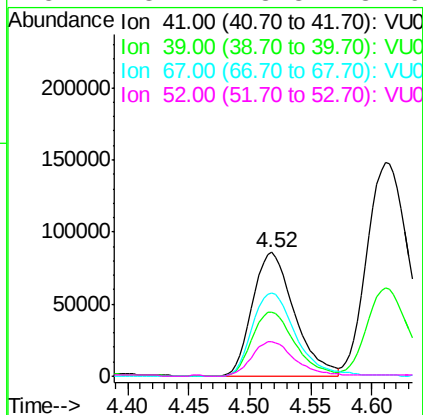
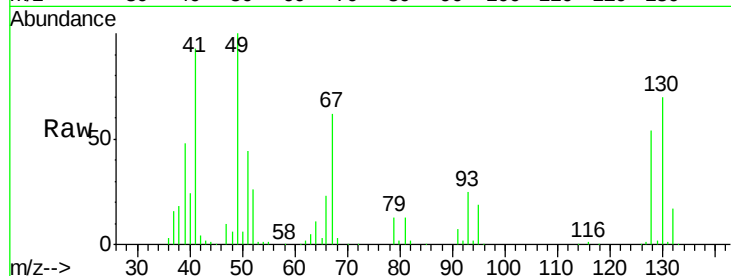
#41
Methacrylonitrile
Concen: 66.368 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	41.5	62.3	
67	70.8	65.0	97.6	
52	28.4	23.3	34.9	

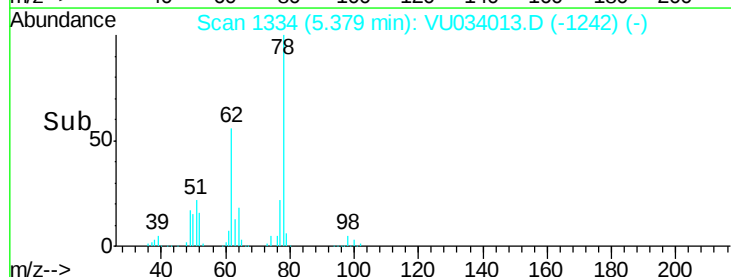
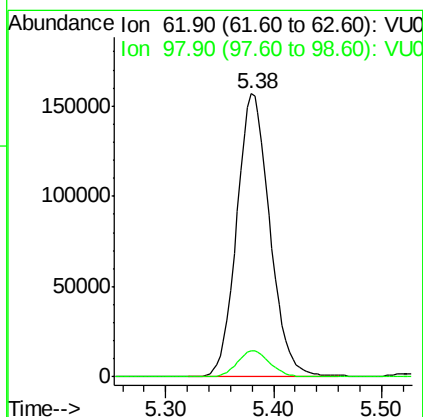
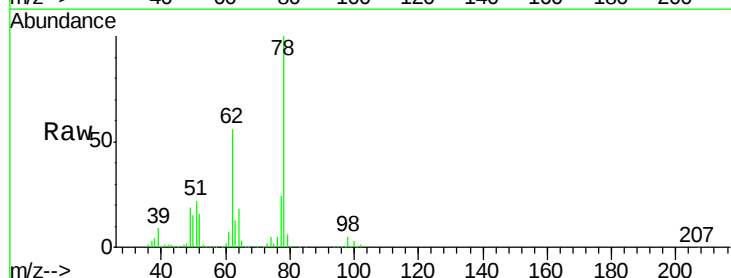
Manual Integrations
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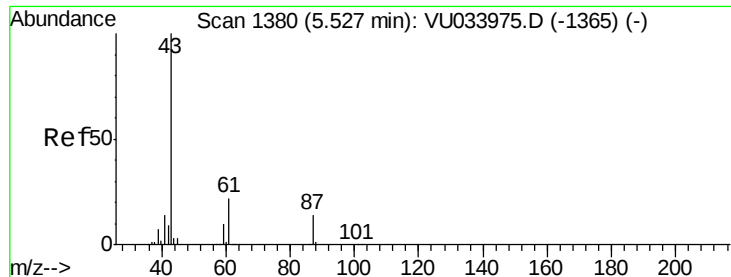
MMDadoda
8/28/2019 10:00:52 AM



#42
1,2-Dichloroethane
Concen: 56.292 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	20.0	





#43

Isopropyl Acetate

Concen: 63.161 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

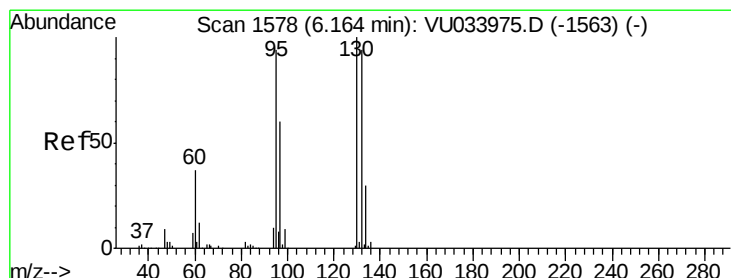
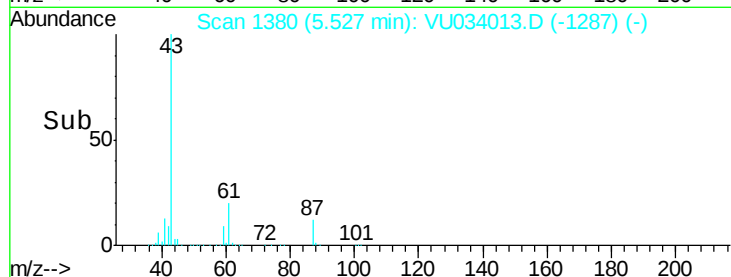
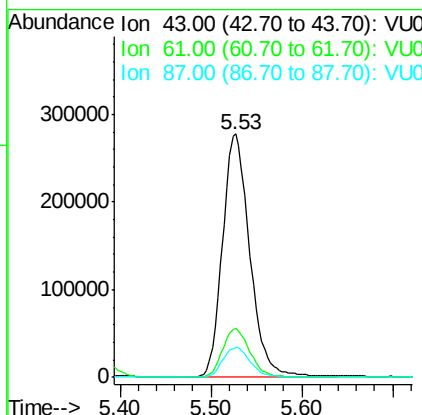
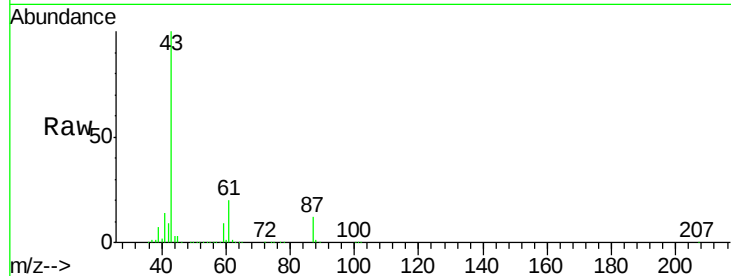
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	575570
Ion	Ratio	Lower	Upper
43	100		
61	20.2	17.8	26.8
87	12.6	11.9	17.9

Manual Integrations
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#44

Trichloroethene

Concen: 47.265 ug/l

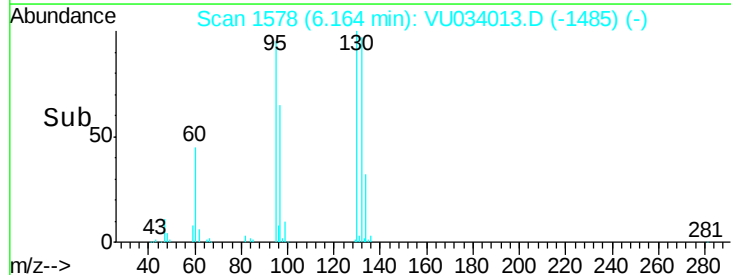
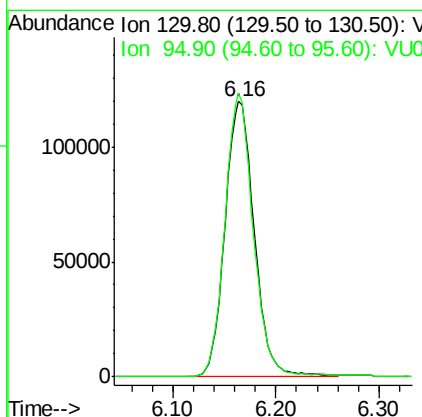
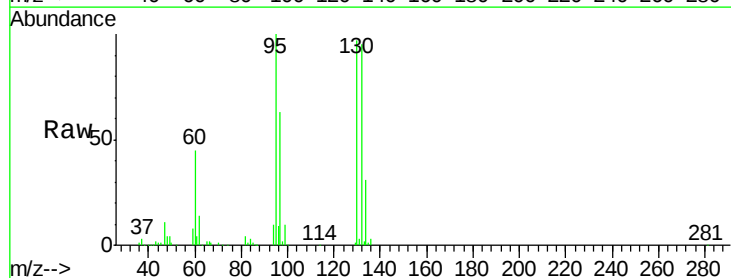
RT: 6.16 min Scan# 1578

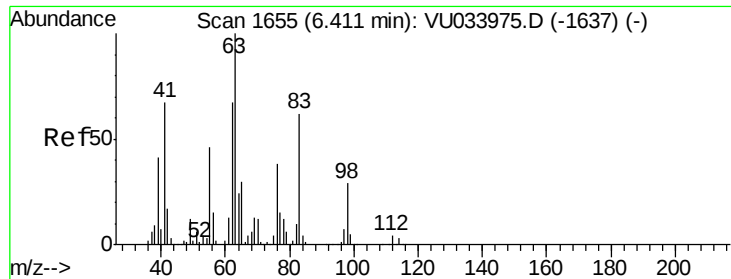
Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Tgt Ion:	130	Resp:	237428
Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	187.6





#45

1,2-Dichloropropane

Concen: 57.459 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 270826

Ion Ratio Lower Upper

63 100

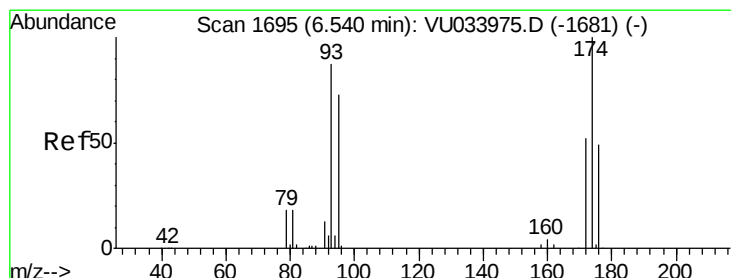
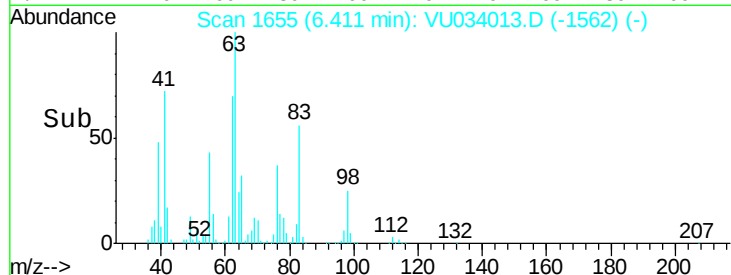
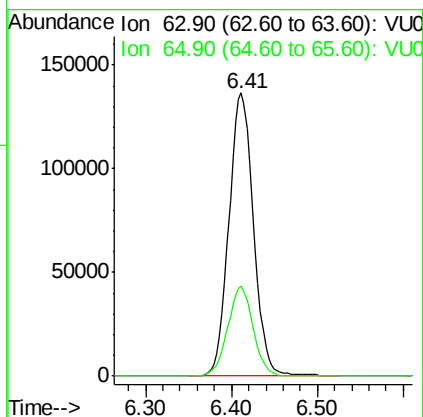
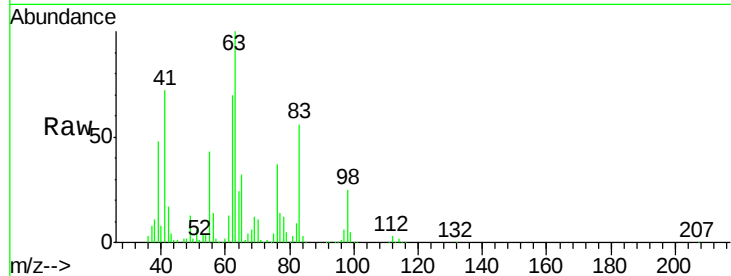
65 31.6 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 52.989 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

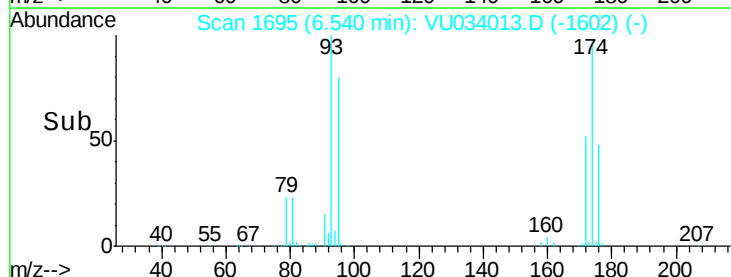
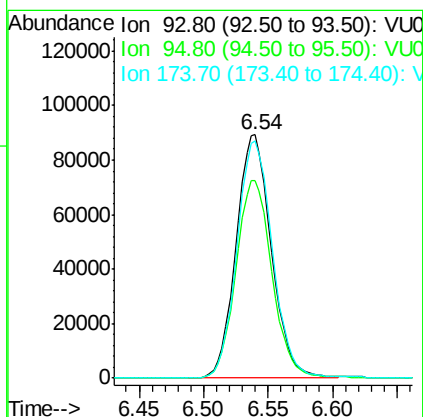
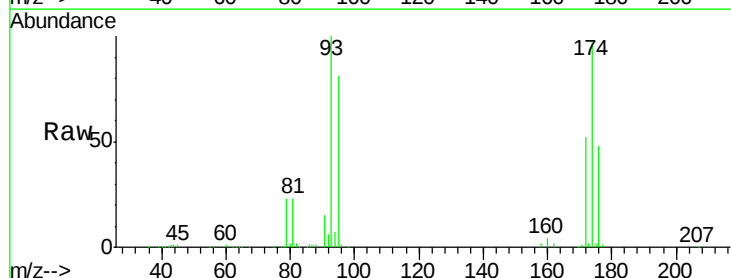
Tgt Ion: 93 Resp: 169857

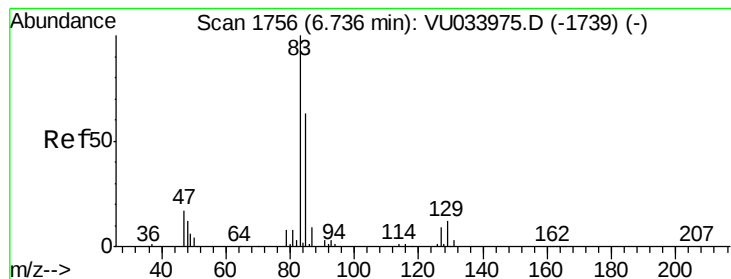
Ion Ratio Lower Upper

93 100

95 83.1 66.2 99.4

174 98.3 92.2 138.2





#47

Bromodichloromethane

Concen: 54.295 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

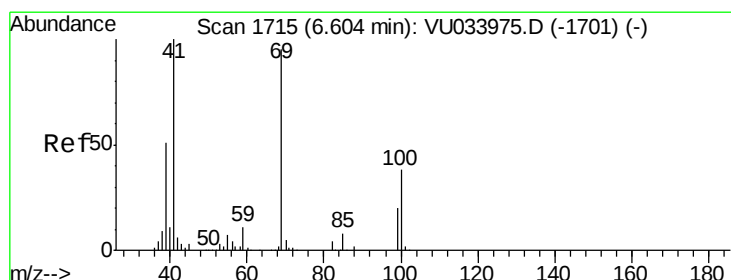
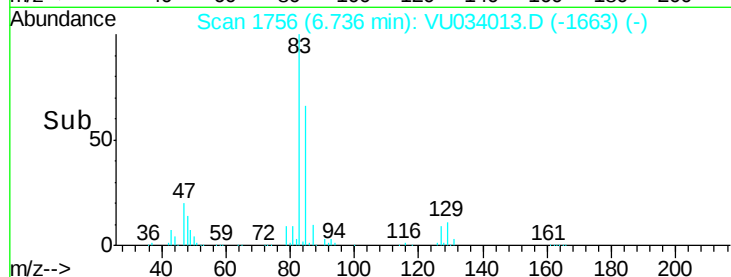
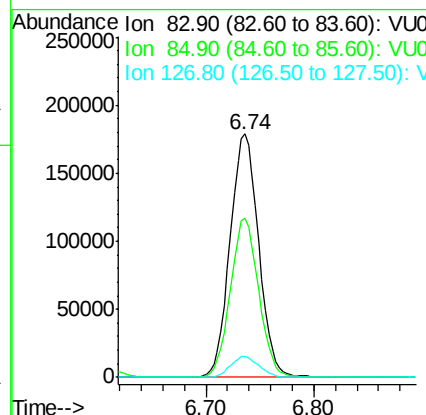
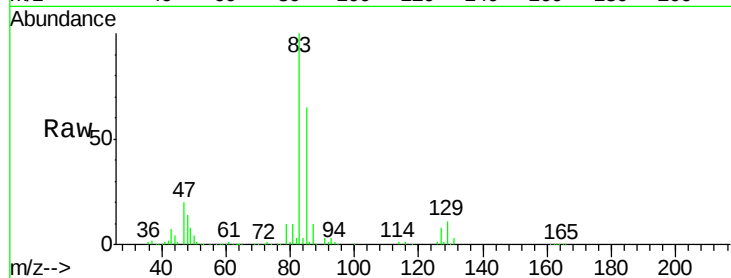
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	331495
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.6	76.0
127	8.5	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 65.442 ug/l

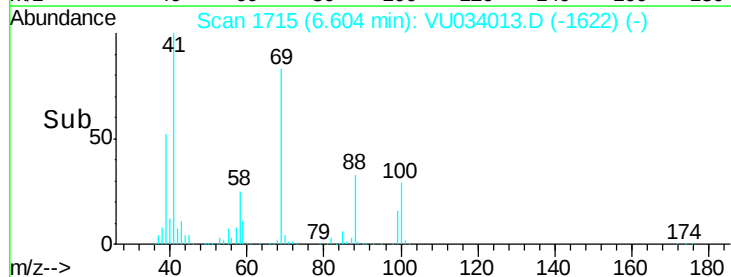
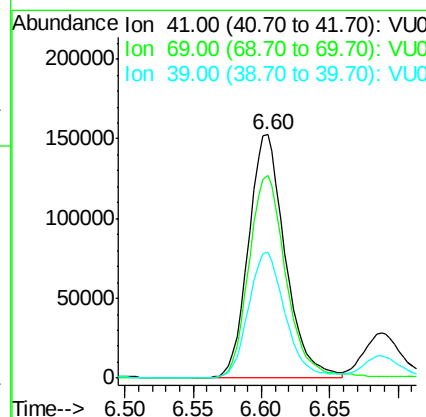
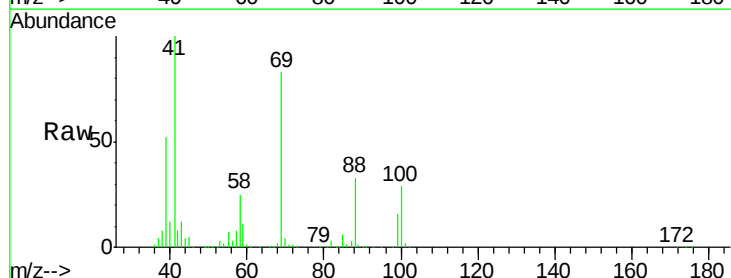
RT: 6.60 min Scan# 1715

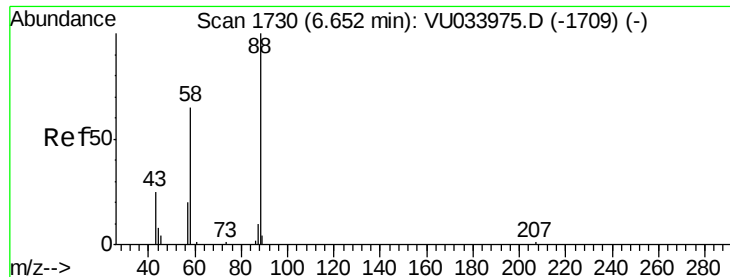
Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Tgt Ion:	41	Resp:	283540
Ion	Ratio	Lower	Upper
41	100		
69	85.0	76.3	114.5
39	51.8	41.1	61.7





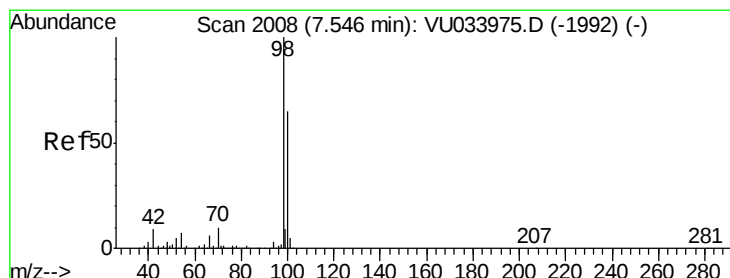
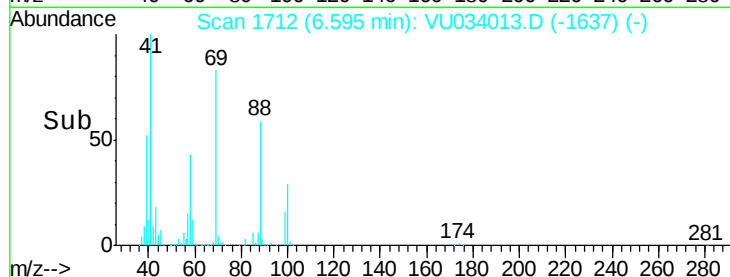
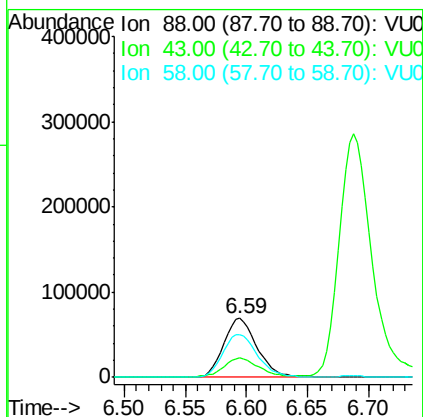
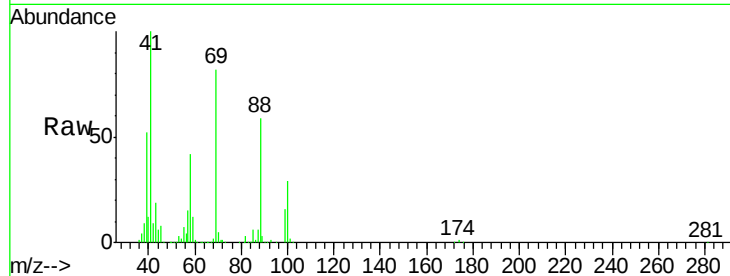
#49
1,4-Dioxane
Concen: 1118.244 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. -0.06 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.5	0.0	0.0#
58	75.3	56.6	85.0

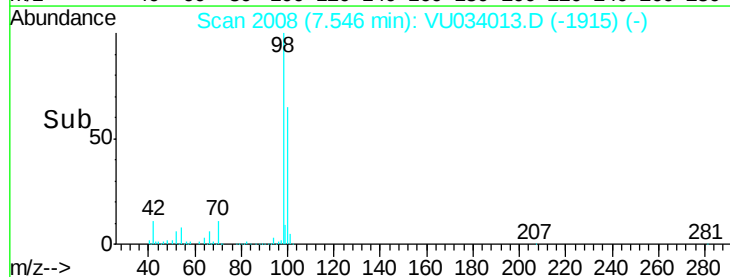
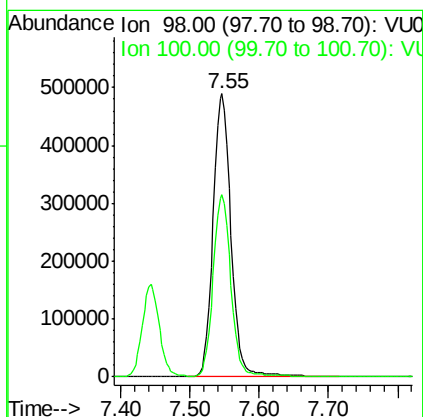
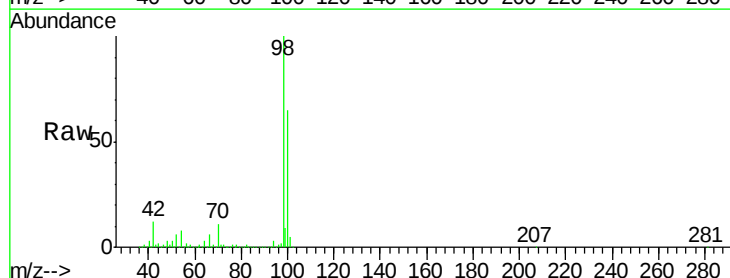
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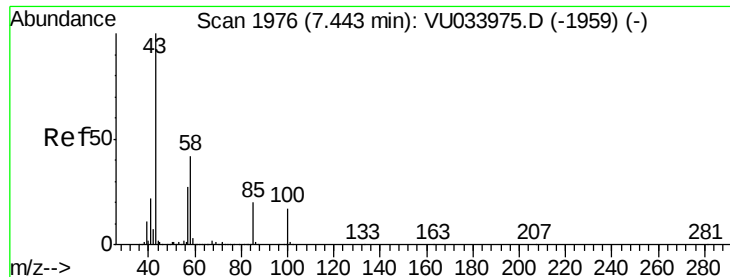
MMDadoda
8/28/2019 10:00:52 AM



#50
Toluene-d8
Concen: 54.719 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.5	77.3





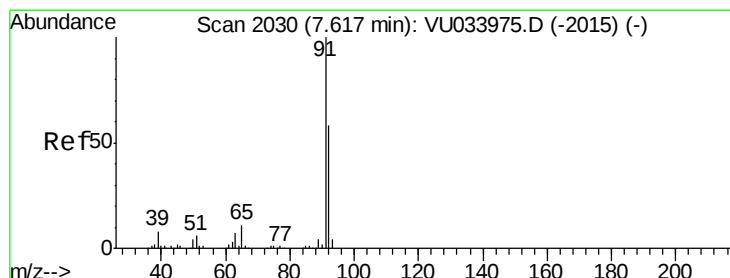
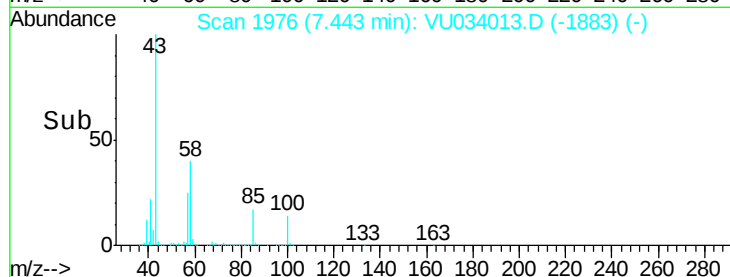
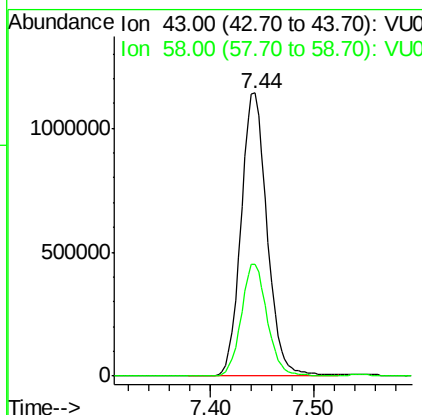
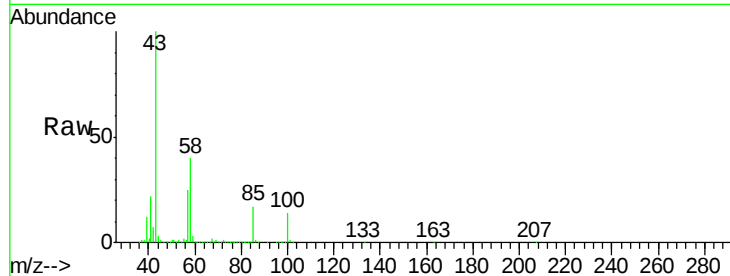
#51
 4-Methyl-2-Pentanone
 Concen: 319.739 ug/l
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2008944
 Ion Ratio Lower Upper
 43 100
 58 39.4 33.6 50.4

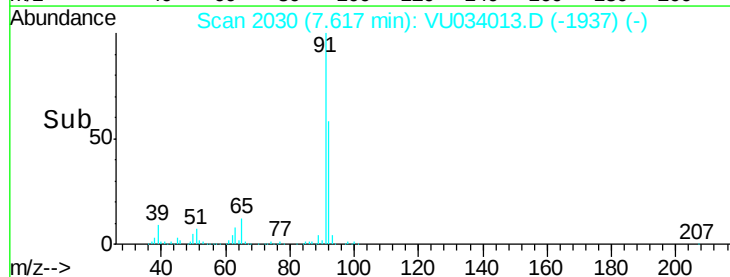
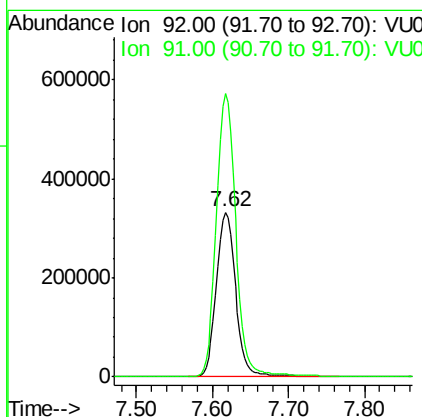
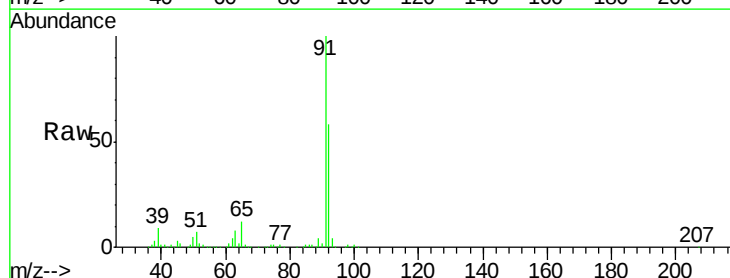
Manual Integrations
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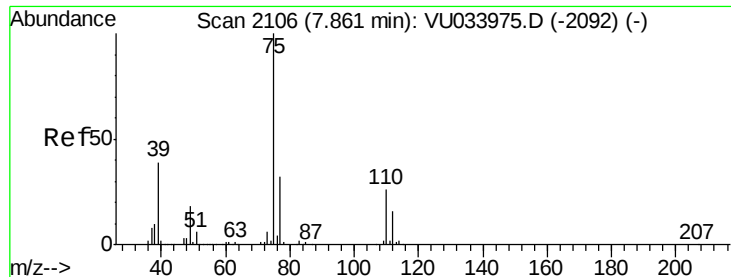
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 8/28/2019 10:00:52 AM



#52
 Toluene
 Concen: 53.332 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Tgt Ion: 92 Resp: 592461
 Ion Ratio Lower Upper
 92 100
 91 173.2 138.8 208.2





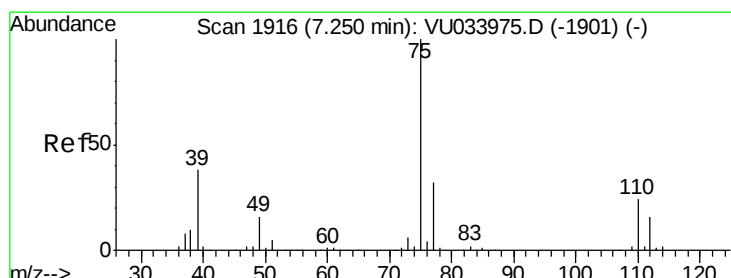
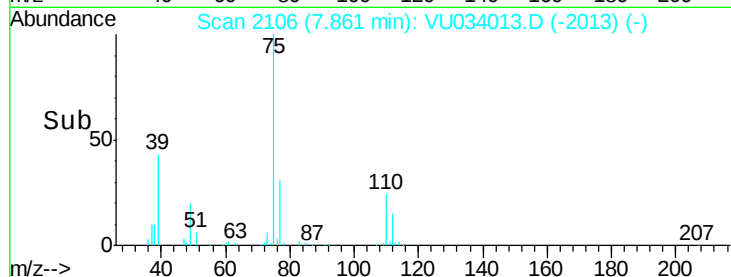
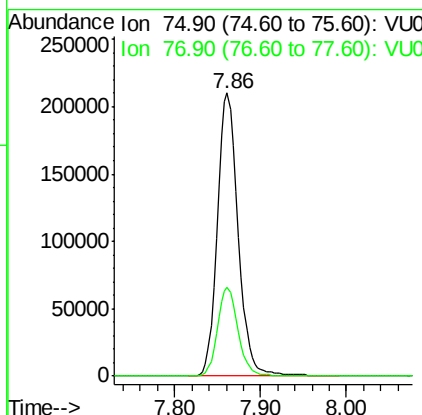
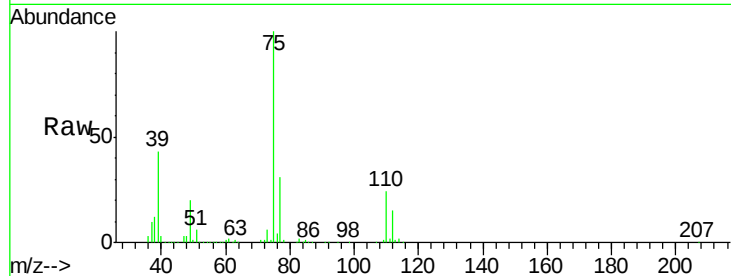
#53
 t-1,3-Dichloropropene
 Concen: 52.428 ug/l
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 353973
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.2

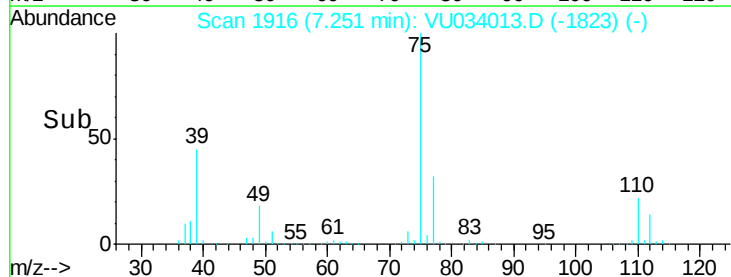
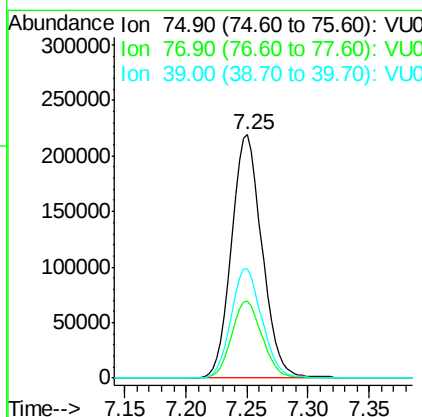
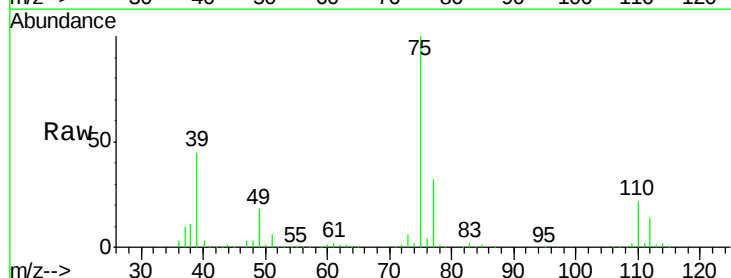
Manual Integrations
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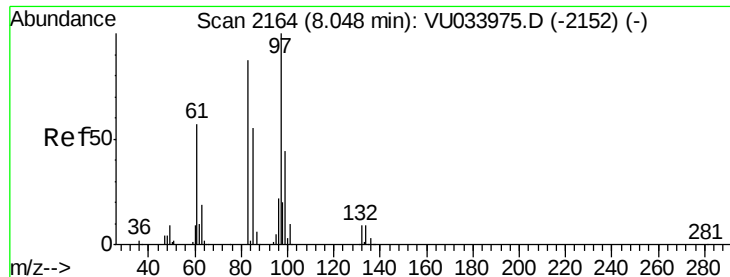
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 8/28/2019 10:00:52 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.470 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Tgt Ion: 75 Resp: 382949
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.6 38.4
 39 45.0 30.7 46.1





#55

1,1,2-Trichloroethane

Concen: 51.968 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

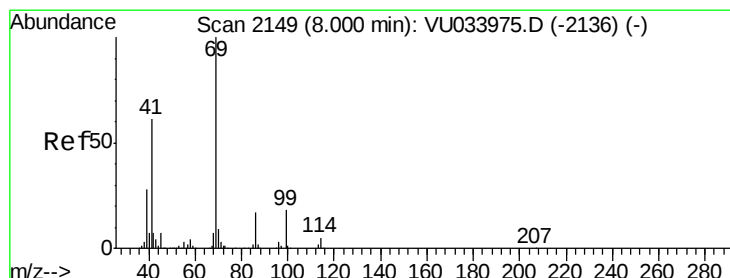
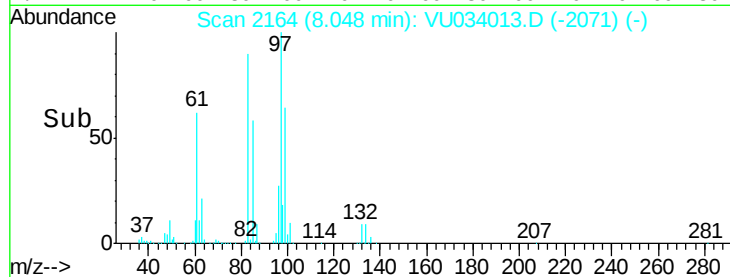
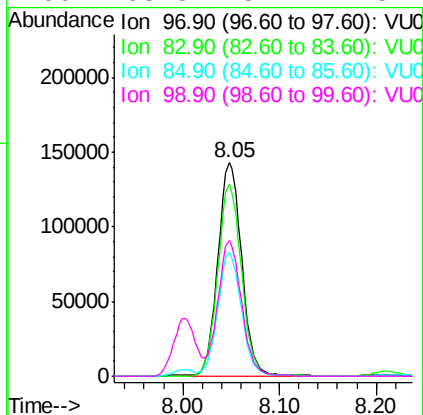
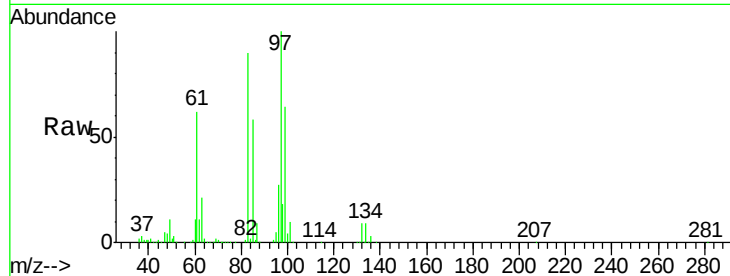
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	243937
Ion	Ratio	Lower	Upper
97	100		
83	90.1	69.8	104.6
85	58.1	45.2	67.8
99	63.8	52.2	78.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 52.280 ug/l

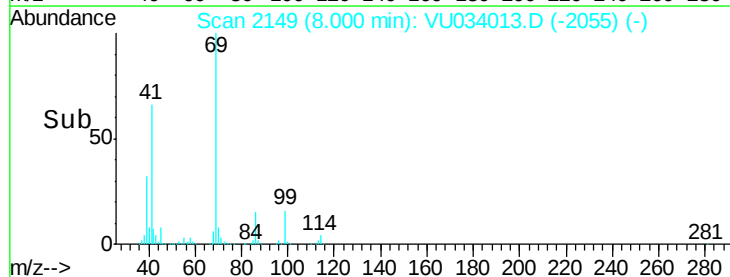
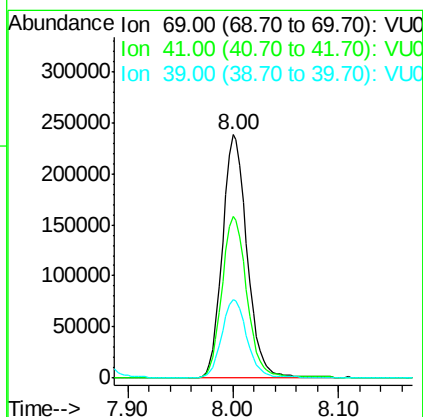
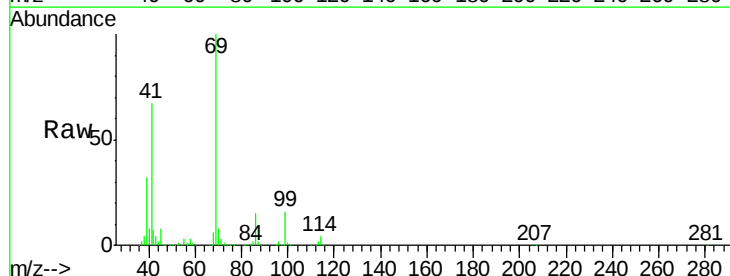
RT: 8.00 min Scan# 2149

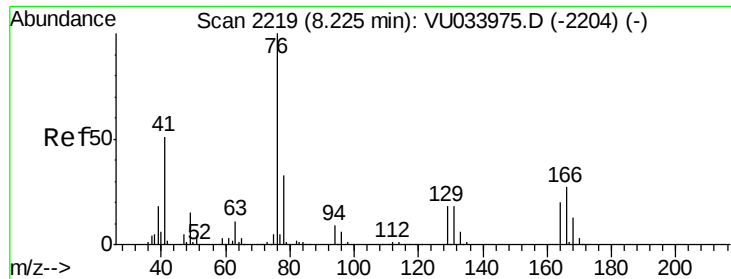
Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Tgt Ion:	69	Resp:	387772
Ion	Ratio	Lower	Upper
69	100		
41	67.5	48.6	72.8
39	32.7	22.4	33.6





#57

1,3-Dichloropropane

Concen: 55.839 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 427159

Ion Ratio Lower Upper

76 100

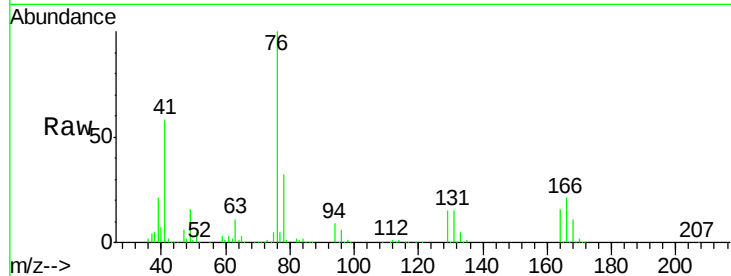
78 32.0 25.7 38.5

Manual Integrations

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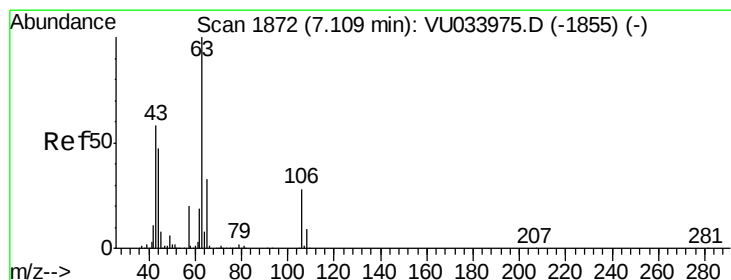
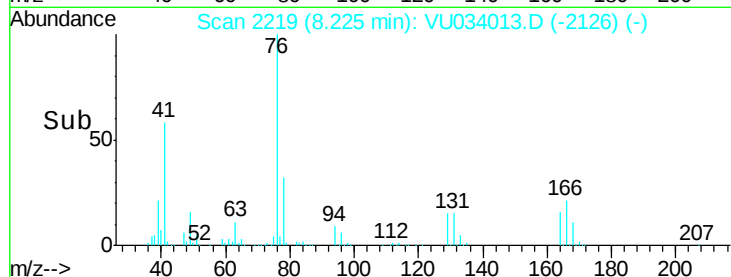
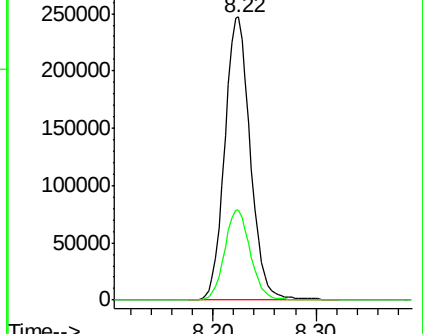
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 290.952 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034013.D

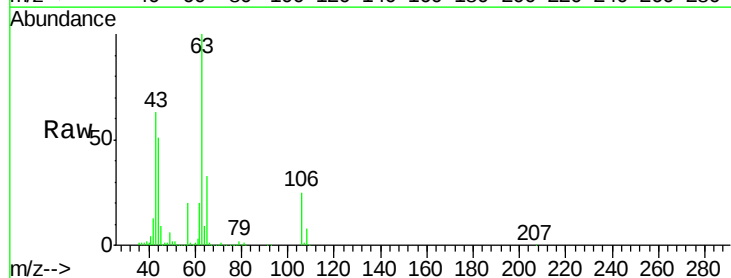
Acq: 28 Aug 2019 08:38

Tgt Ion: 63 Resp: 808480

Ion Ratio Lower Upper

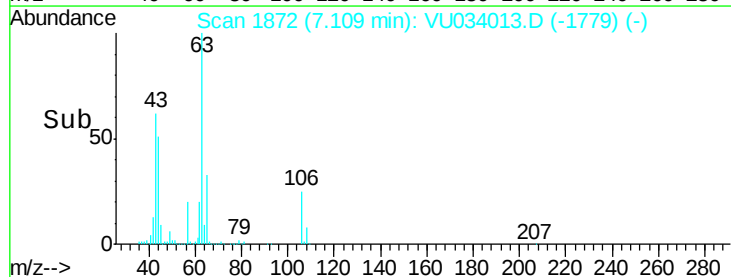
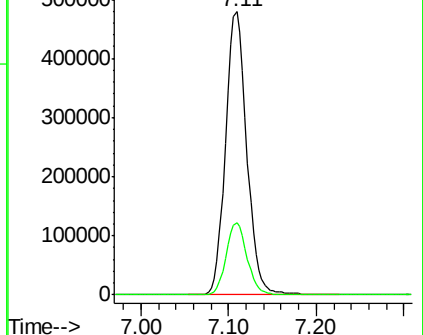
63 100

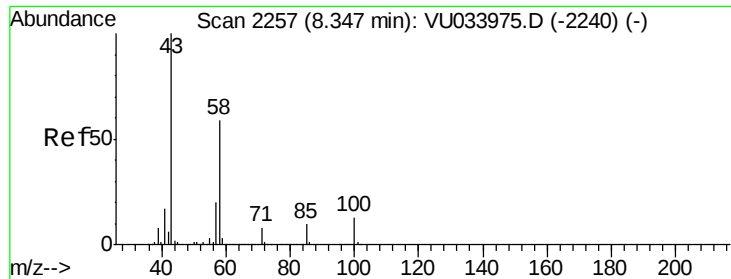
106 25.2 22.4 33.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





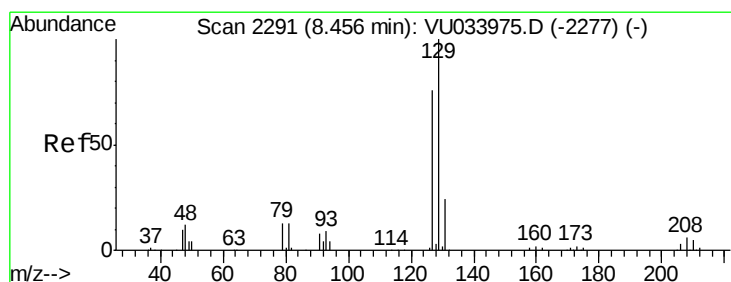
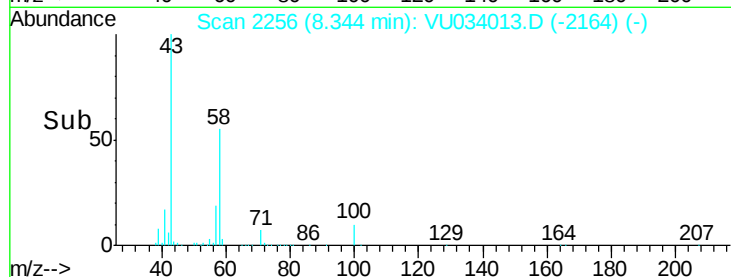
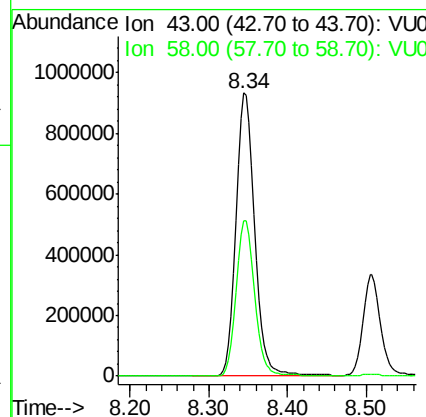
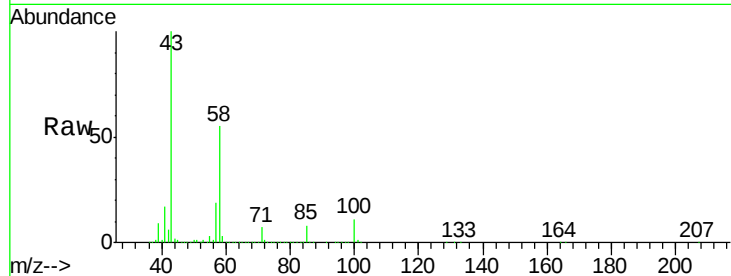
#59
2-Hexanone
Concen: 317.786 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1534725
Ion Ratio Lower Upper
43 100
58 54.6 29.5 88.6

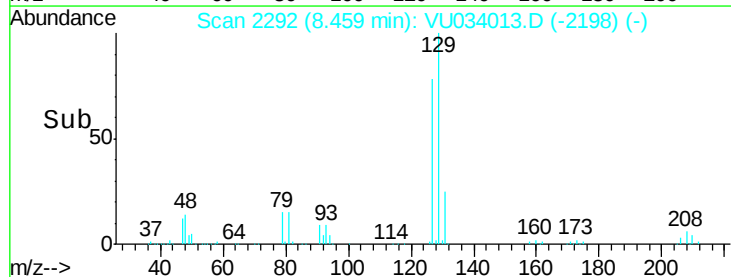
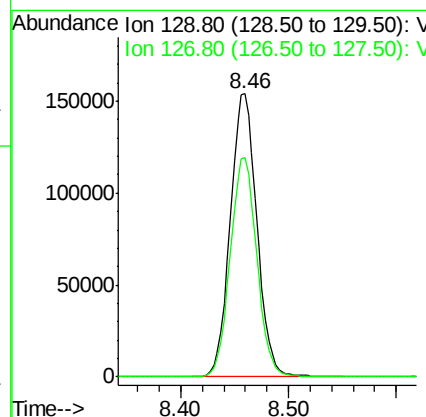
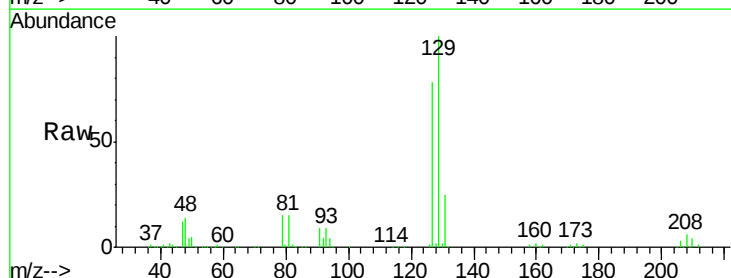
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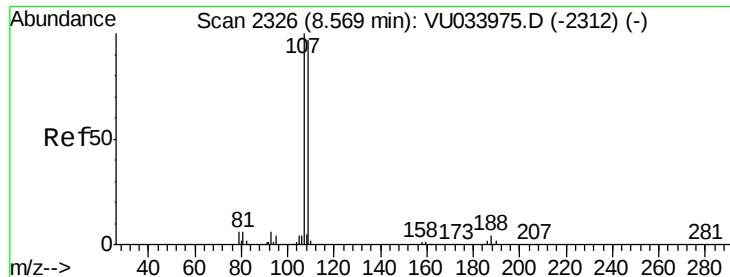
MMDadoda
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#60
Dibromochloromethane
Concen: 50.286 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Tgt Ion: 129 Resp: 265439
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.4





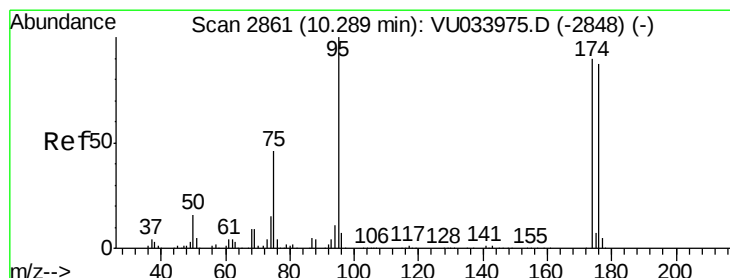
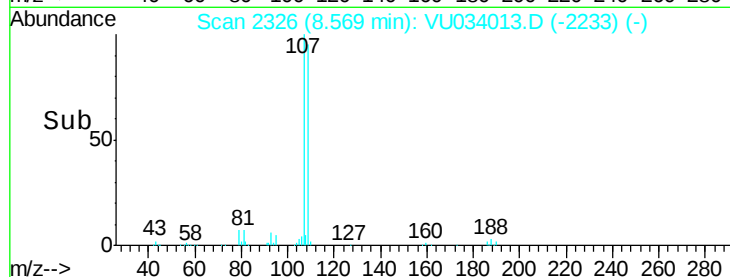
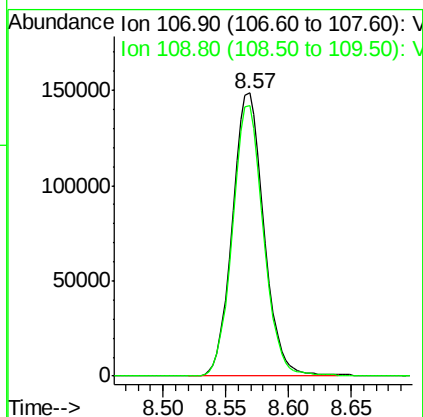
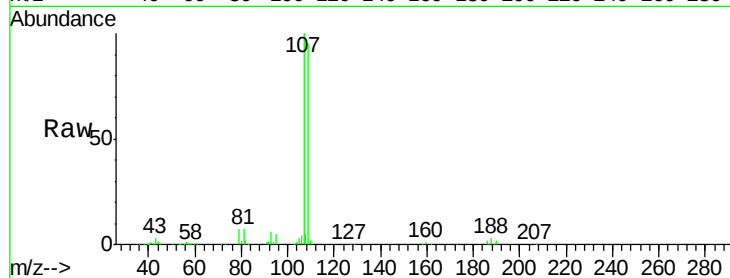
#61
 1,2-Dibromoethane
 Concen: 52.281 ug/l
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	259179		
109	94.2	75.7	113.5	

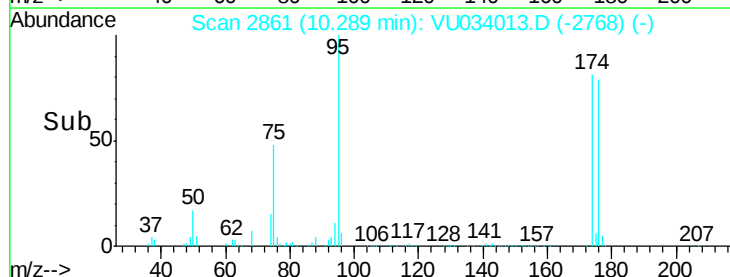
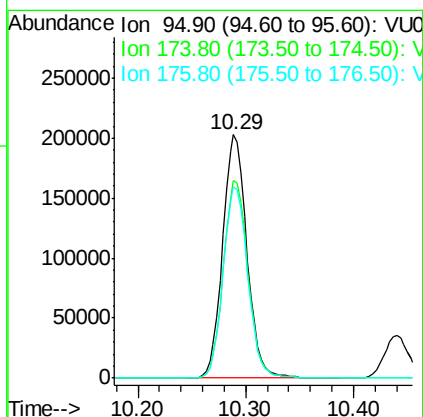
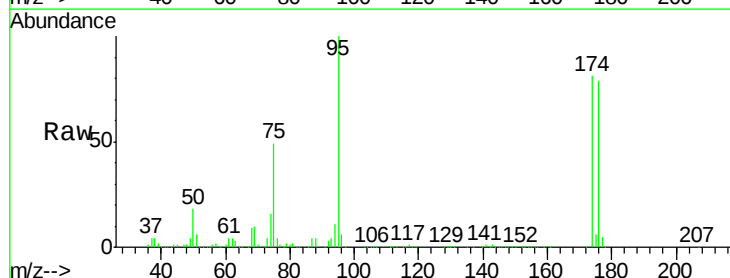
Manual Integrations
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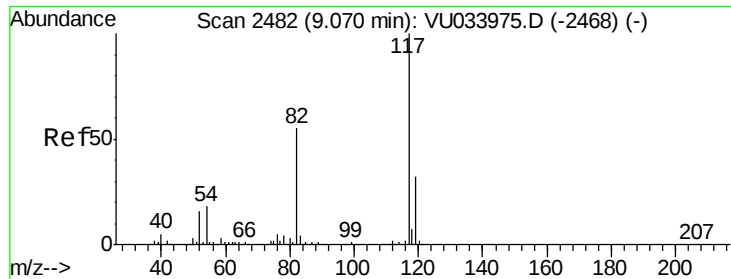
MMDadoda
 8/28/2019 10:00:52 AM



#62
 4-Bromofluorobenzene
 Concen: 51.559 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	317243		
174	82.7	0.0	183.8	
176	80.1	0.0	176.4	





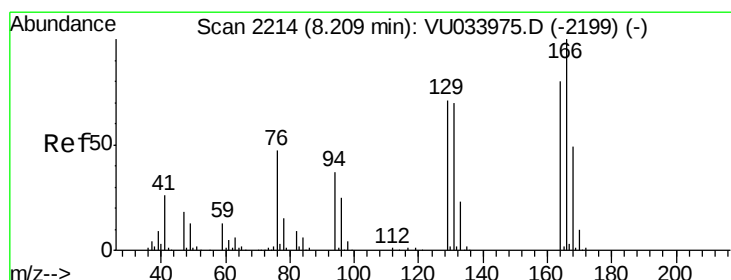
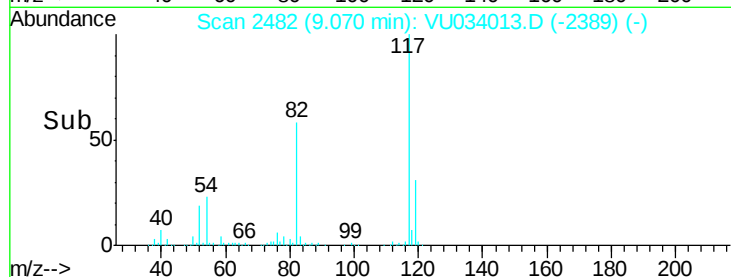
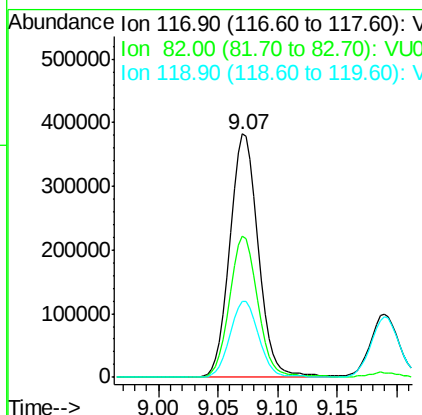
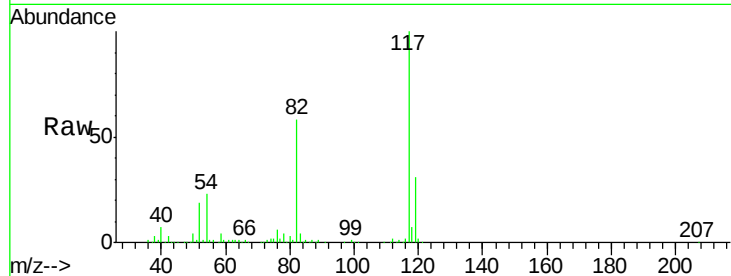
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	43.8	65.8
119	31.4	25.7	38.5

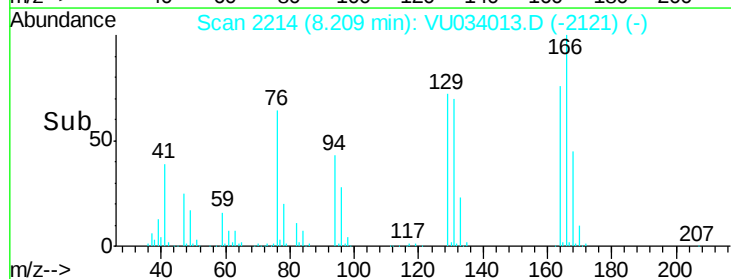
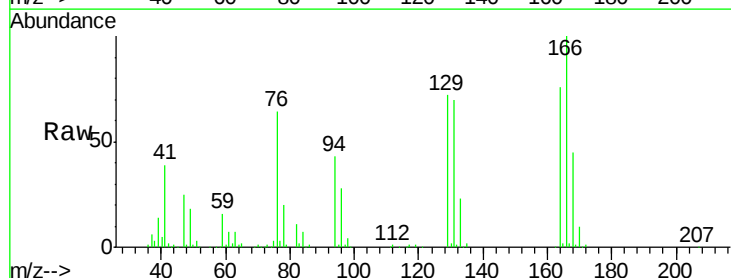
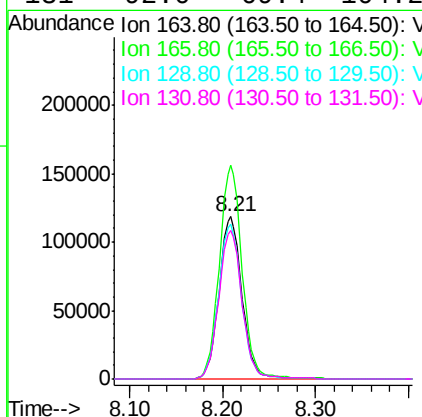
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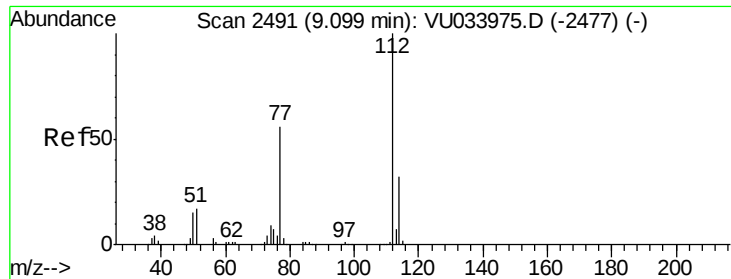
MMDadoda
8/28/2019 10:00:52 AM



#64
Tetrachloroethene
Concen: 39.844 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.8	99.5	149.3
129	95.4	70.9	106.3
131	92.0	69.4	104.2





#65

Chlorobenzene

Concen: 49.191 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 644629

Ion Ratio Lower Upper

112 100

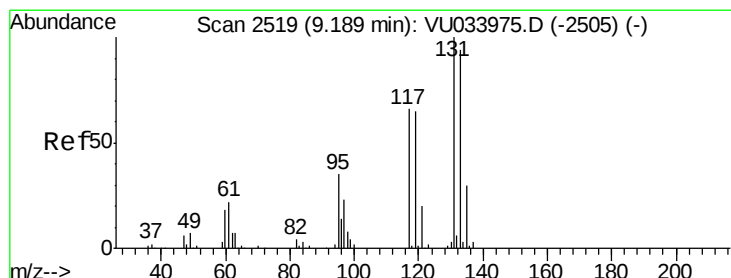
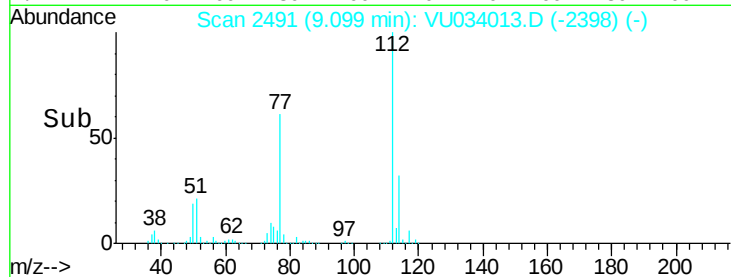
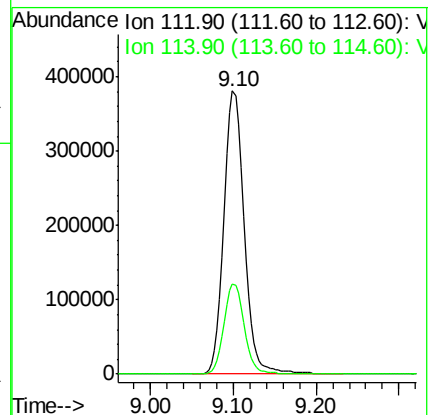
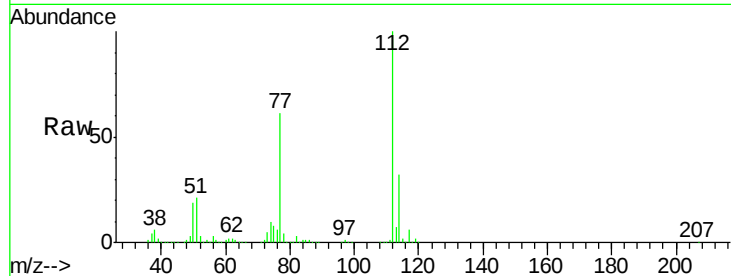
114 31.9 25.8 38.8

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 48.067 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

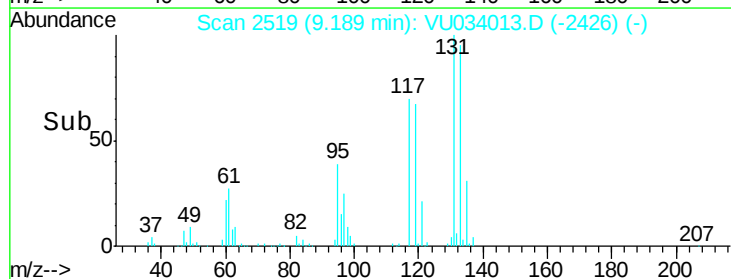
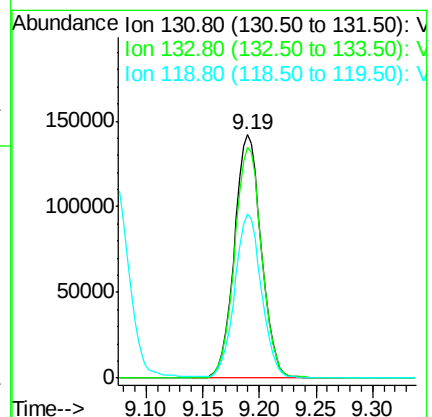
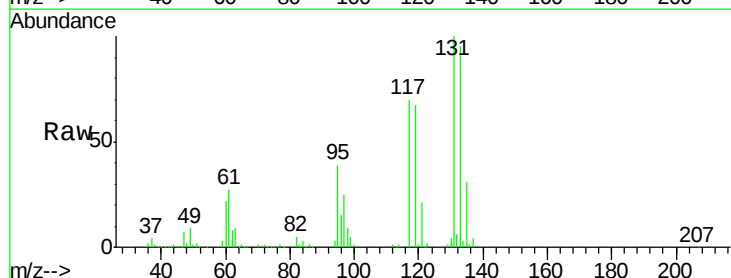
Tgt Ion:131 Resp: 234855

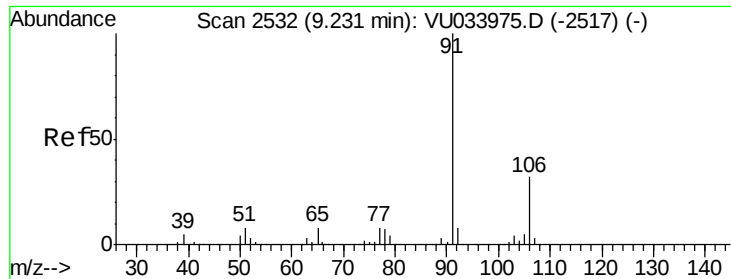
Ion Ratio Lower Upper

131 100

133 95.9 47.6 142.9

119 66.8 33.0 98.9





#67

Ethyl Benzene

Concen: 51.816 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1132204

Ion Ratio Lower Upper

91 100

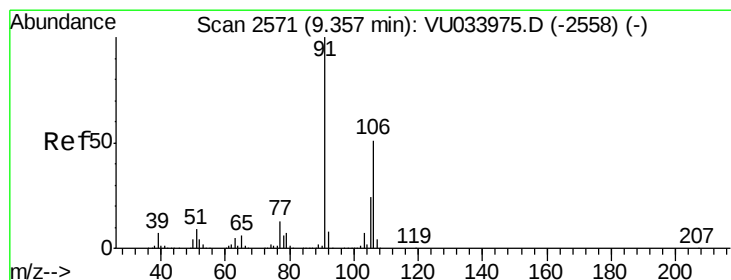
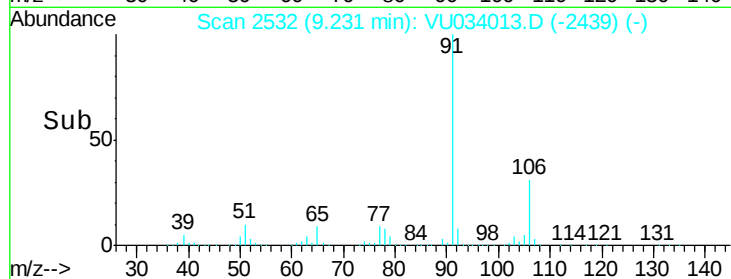
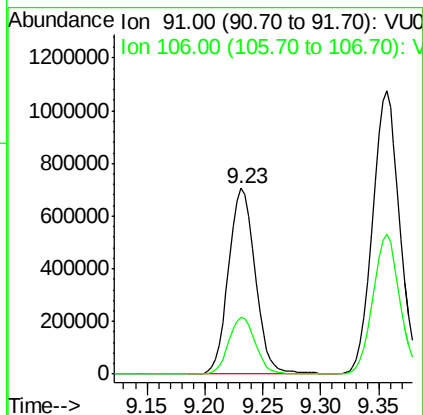
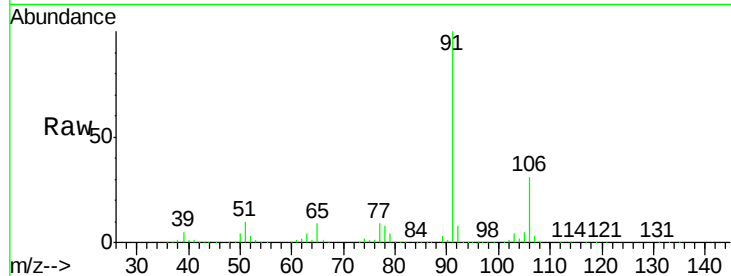
106 30.9 25.4 38.0

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#68

m/p-Xylenes

Concen: 102.365 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034013.D

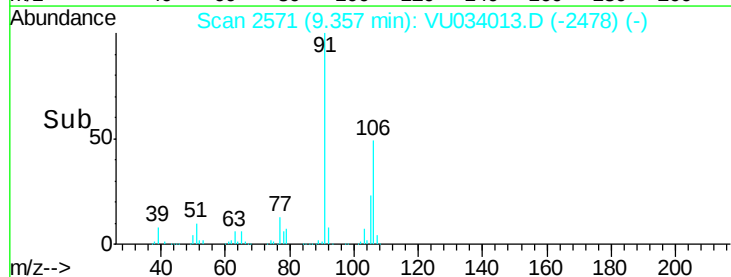
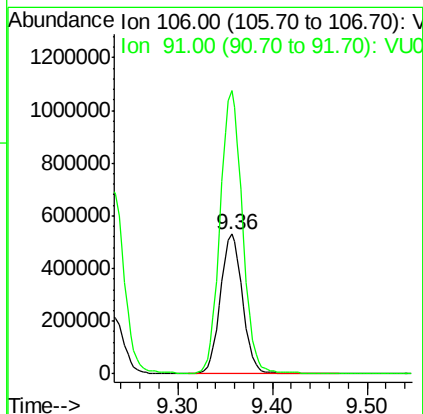
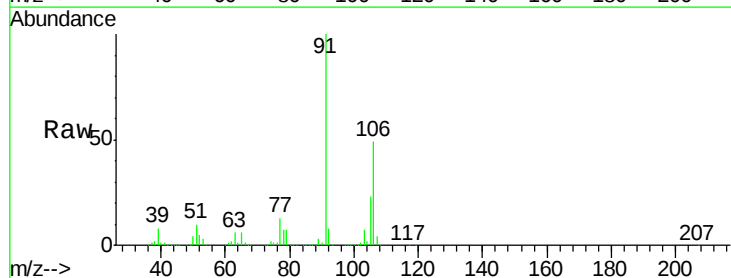
Acq: 28 Aug 2019 08:38

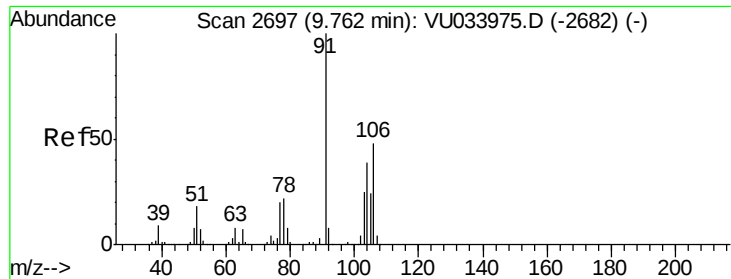
Tgt Ion: 106 Resp: 862610

Ion Ratio Lower Upper

106 100

91 204.6 158.4 237.6





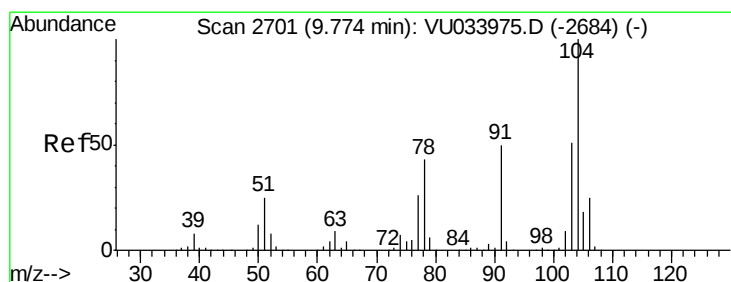
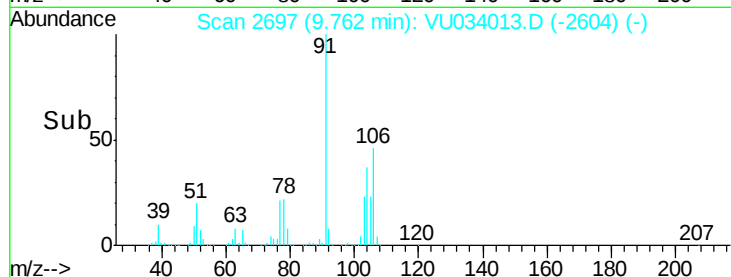
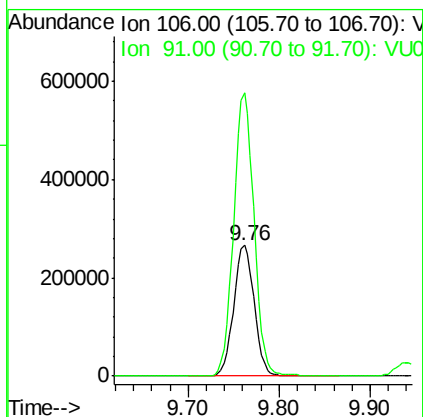
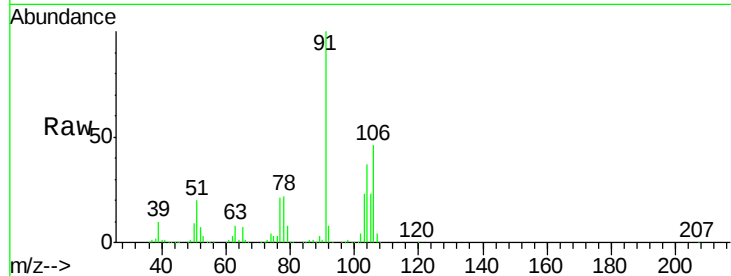
#69
o-Xylene
Concen: 51.796 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	214.8	104.5	313.3		

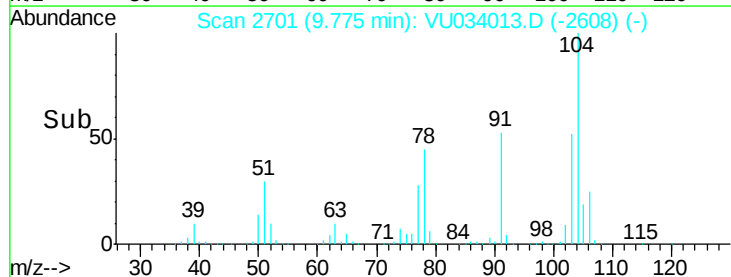
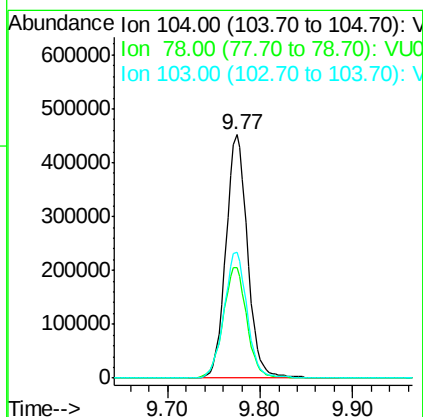
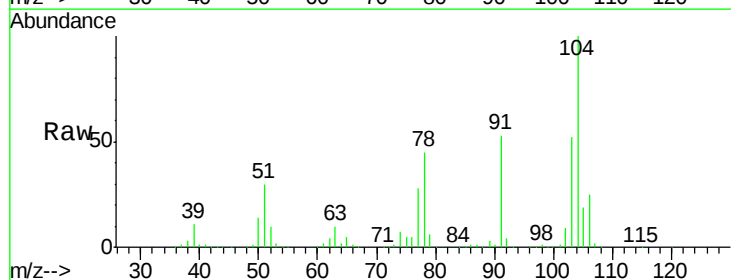
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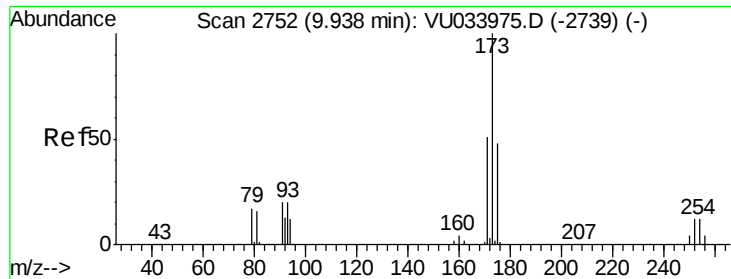
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#70
Styrene
Concen: 53.075 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.8	37.5	56.3		
103	55.4	43.9	65.9		





#71

Bromoform

Concen: 46.438 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

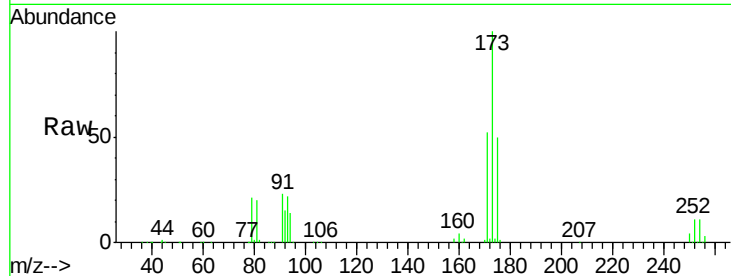
ClientSampleId :

VSTDCCC050EC

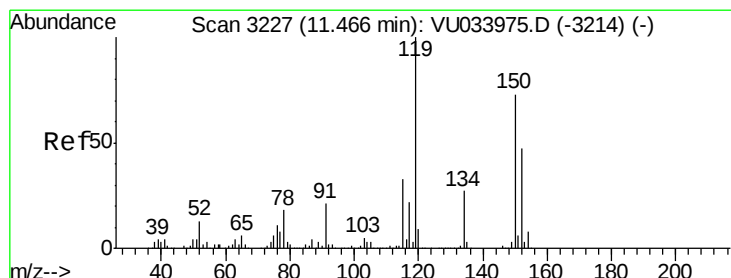
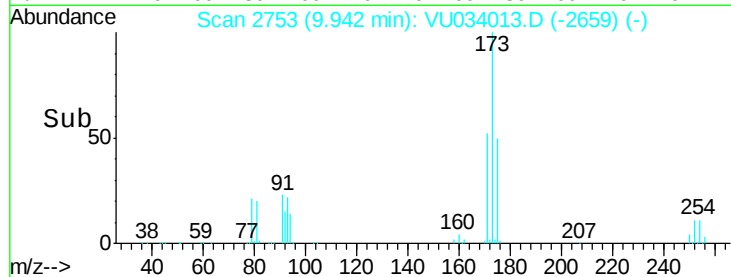
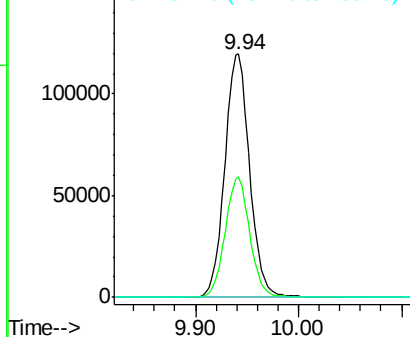
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.9
254	0.2	0.1	0.1#

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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

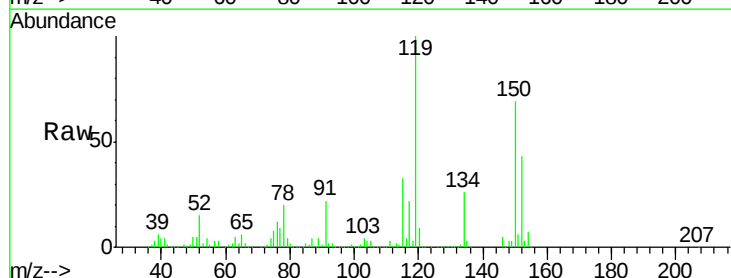
RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

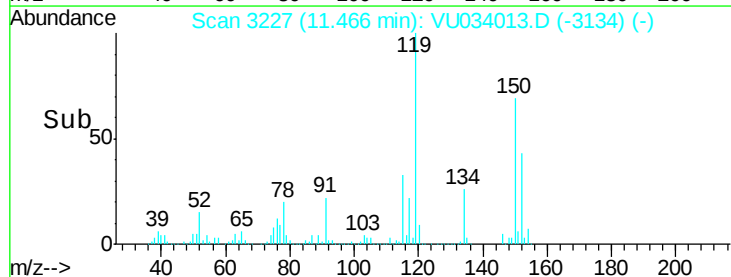
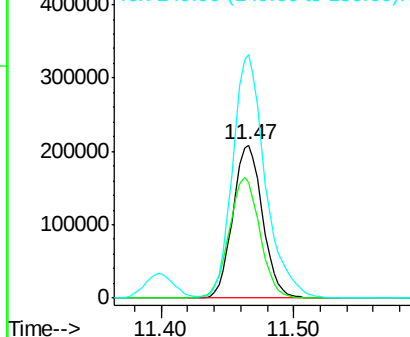
Lab File: VU034013.D

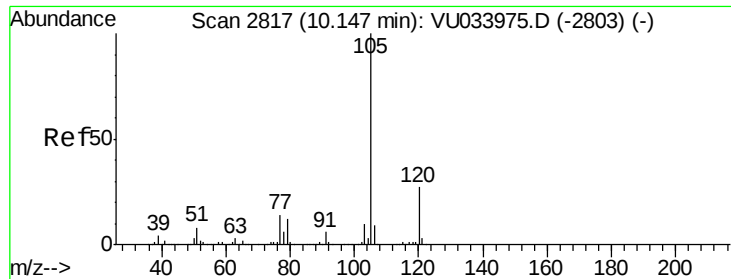
Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.2	38.6	115.7
150	174.3	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: 53.701 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1119989

Ion Ratio Lower Upper

105 100

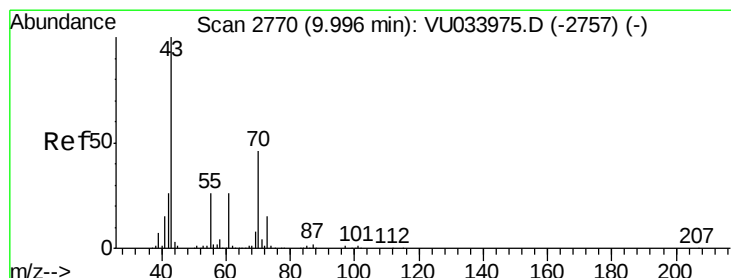
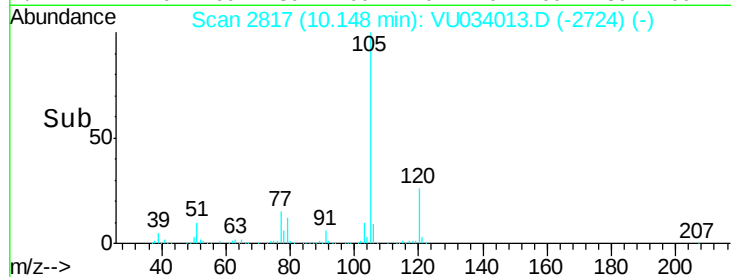
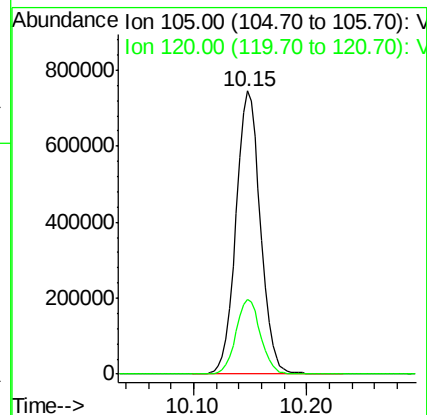
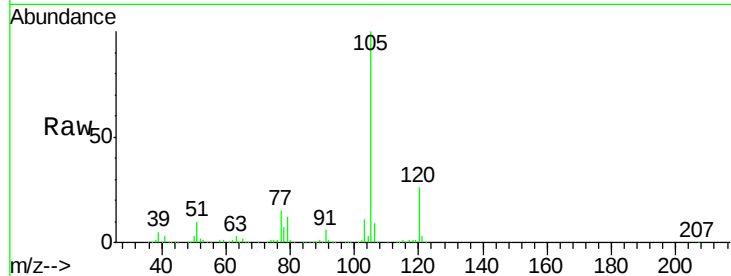
120 26.5 13.5 40.5

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#74

N-ethyl acetate

Concen: 67.765 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Tgt Ion: 43 Resp: 530523

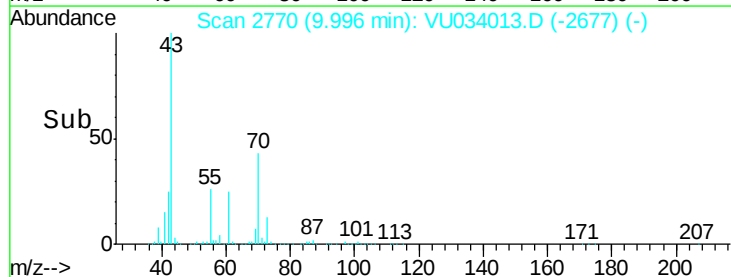
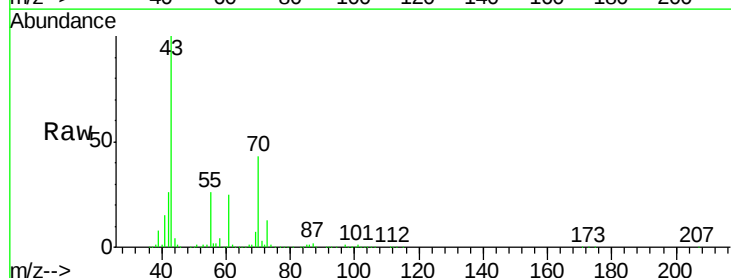
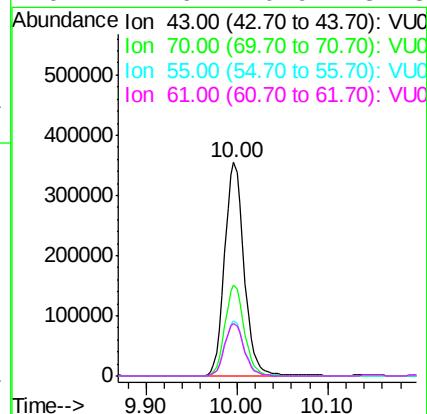
Ion Ratio Lower Upper

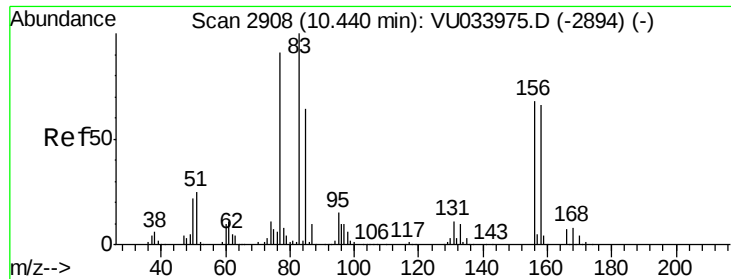
43 100

70 42.3 37.4 56.0

55 26.0 21.0 31.4

61 24.6 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.877 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 389693

Ion Ratio Lower Upper

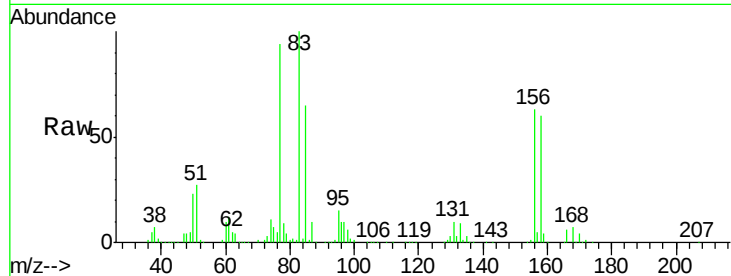
83 100

131 9.6 5.3 16.1

85 64.5 32.0 96.0

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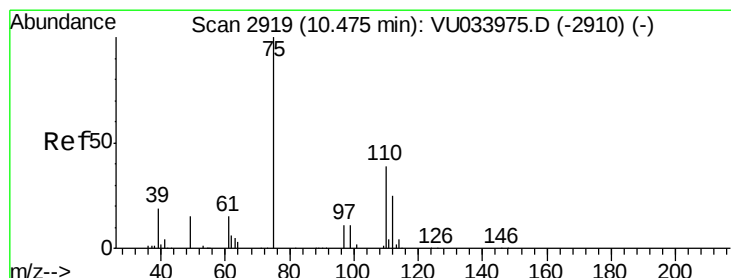
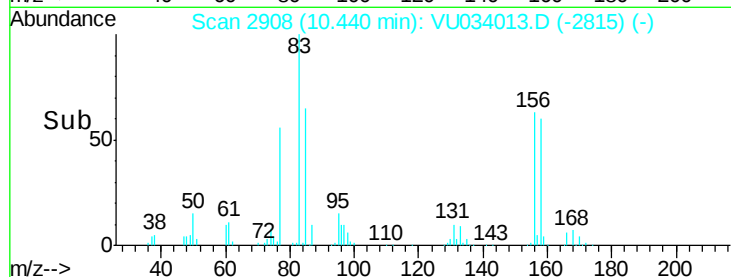
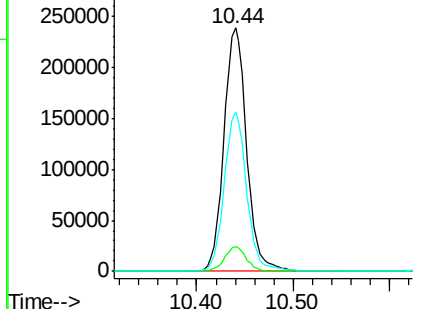
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Abundance Ion 82.90 (82.60 to 83.60): VU033975.D (-2894) (-)

Ion 130.80 (130.50 to 131.50): VU033975.D (-2894) (-)

Ion 84.90 (84.60 to 85.60): VU033975.D (-2894) (-)



#76

1,2,3-Trichloropropane

Concen: 54.983 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034013.D

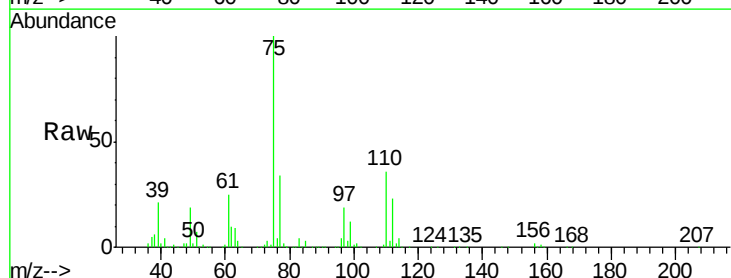
Acq: 28 Aug 2019 08:38

Tgt Ion: 75 Resp: 355019

Ion Ratio Lower Upper

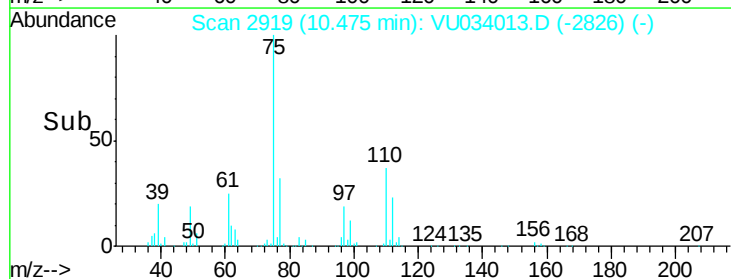
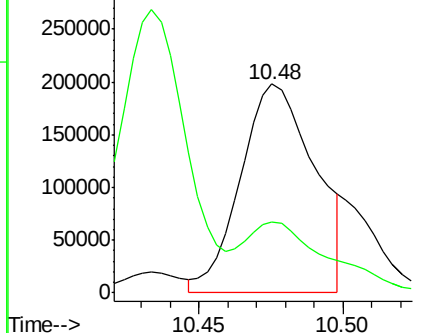
75 100

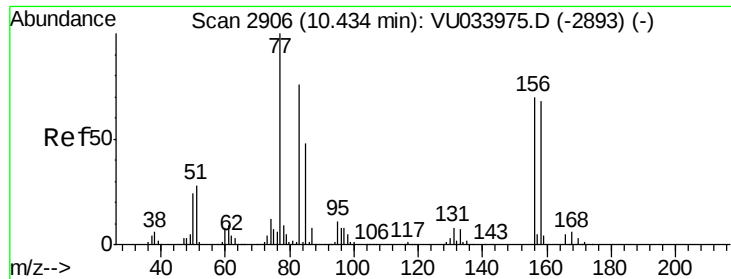
77 37.3 21.0 63.0



Abundance Ion 74.90 (74.60 to 75.60): VU033975.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU033975.D (-2910) (-)





#77

Bromobenzene

Concen: 47.195 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

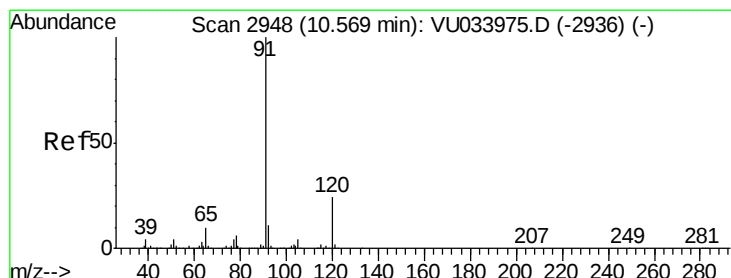
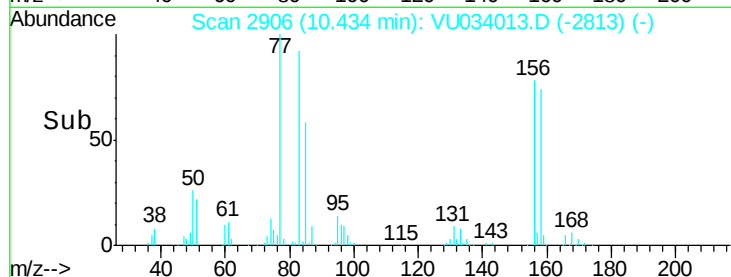
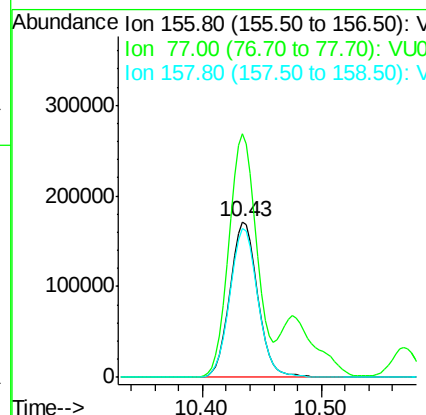
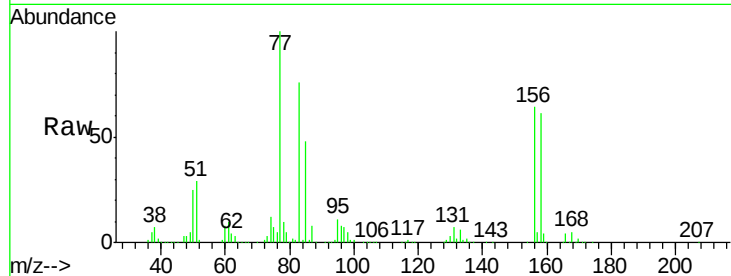
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	156.0	70.3	211.1	
158	96.4	48.3	144.8	

Manual Integrations
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#78

n-propylbenzene

Concen: 53.473 ug/l

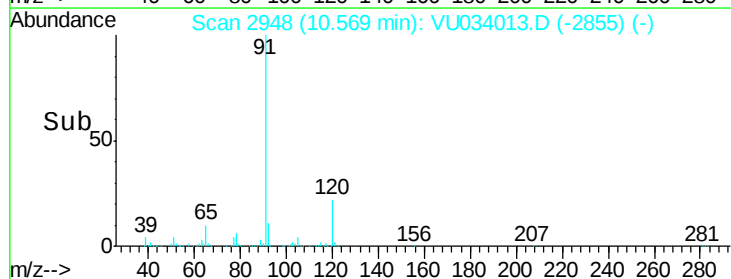
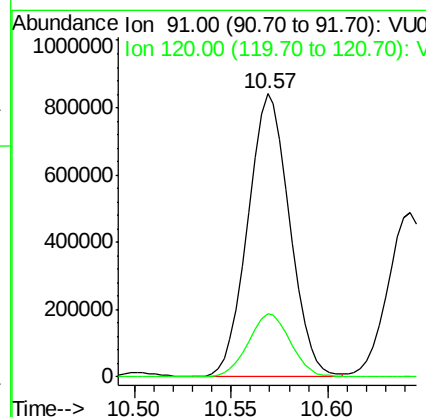
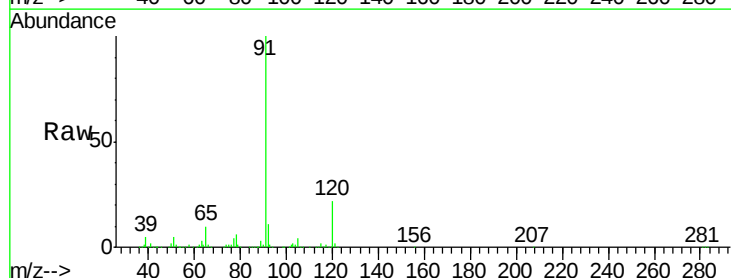
RT: 10.57 min Scan# 2948

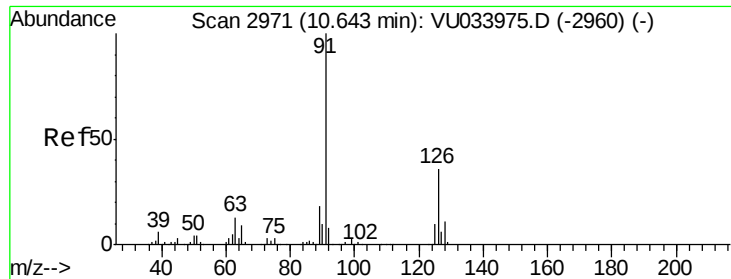
Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.7	12.0	36.0	





#79

2-Chlorotoluene

Concen: 53.644 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 765608

Ion Ratio Lower Upper

91 100

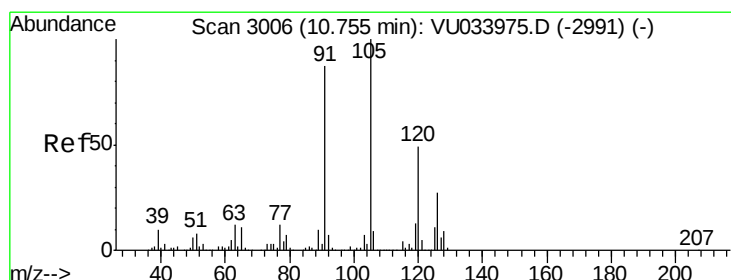
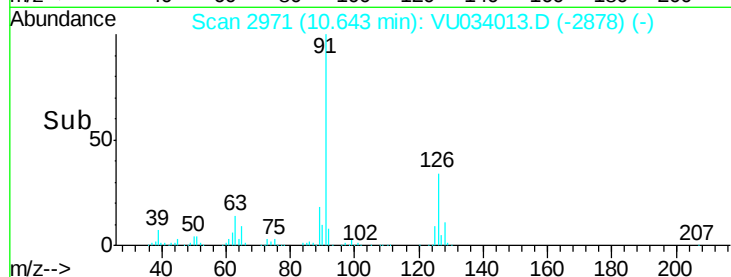
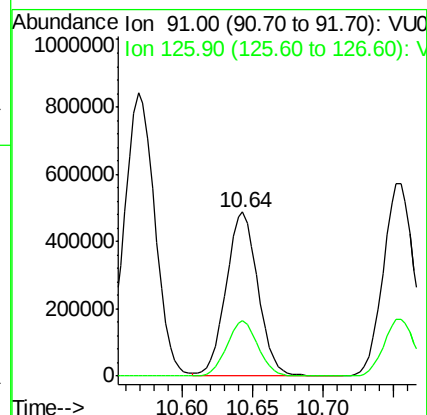
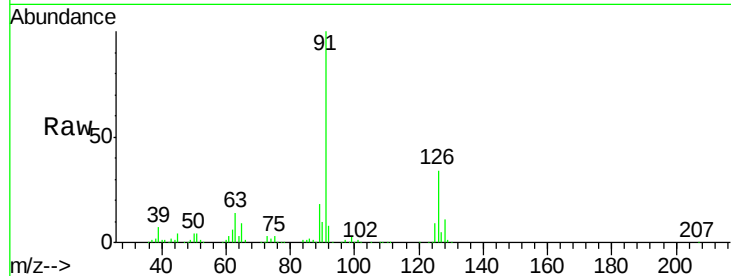
126 33.2 17.8 53.5

Manual Integrations

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MMDadoda

8/28/2019 10:00:52 AM



#80

1,3,5-Trimethylbenzene

Concen: 54.163 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034013.D

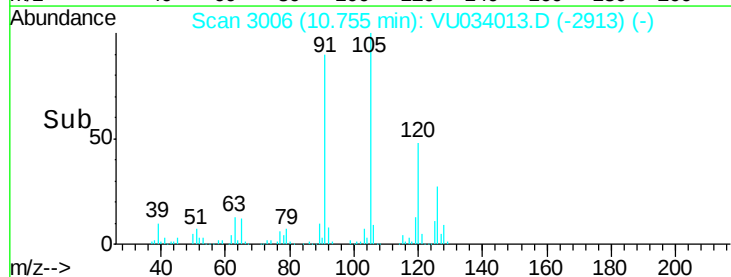
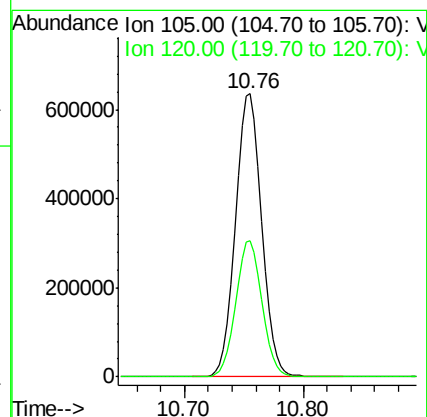
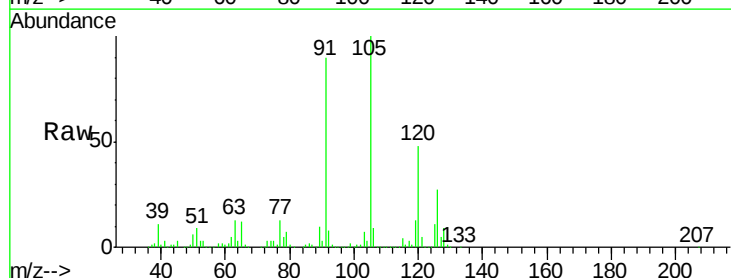
Acq: 28 Aug 2019 08:38

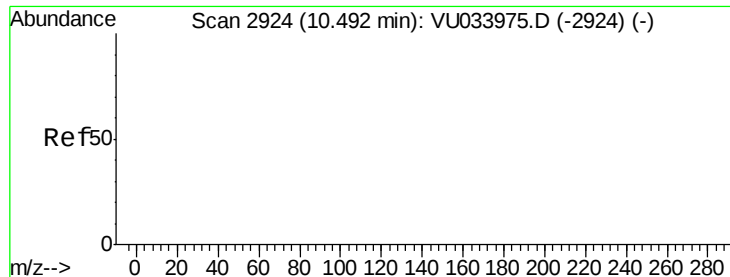
Tgt Ion: 105 Resp: 967485

Ion Ratio Lower Upper

105 100

120 48.3 24.6 73.6





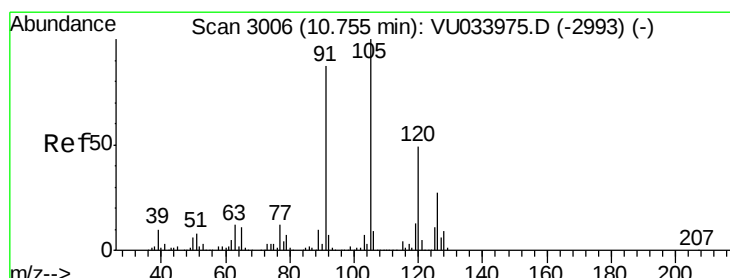
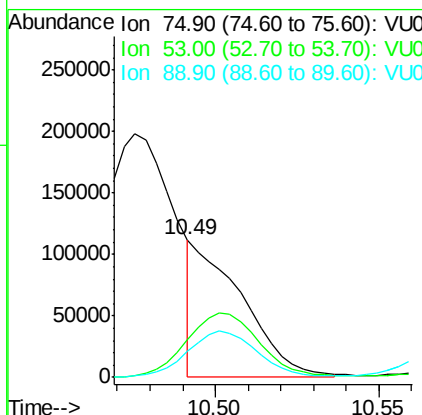
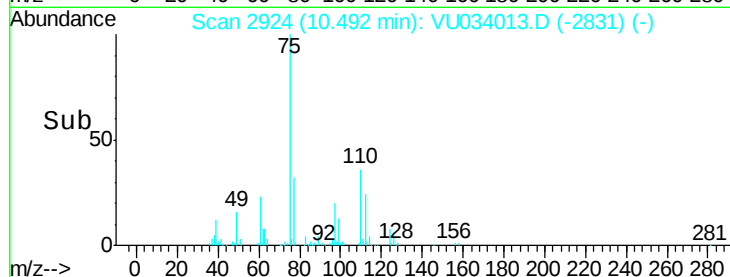
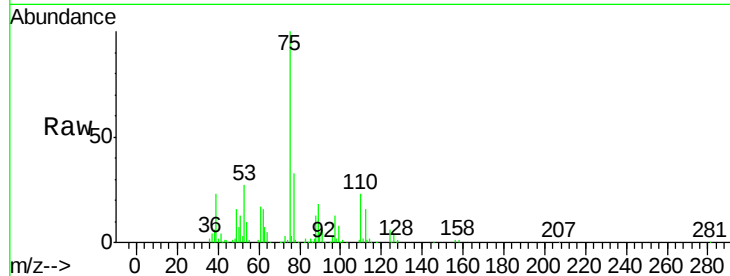
#81
trans-1,4-Dichloro-2-butene
Concen: 51.332 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

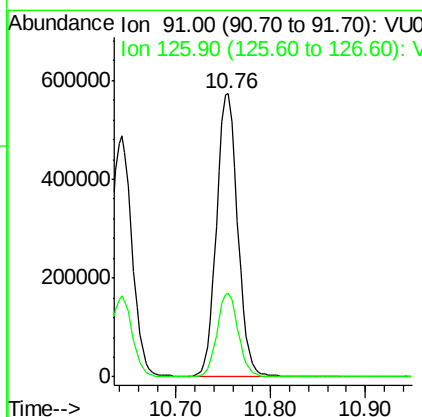
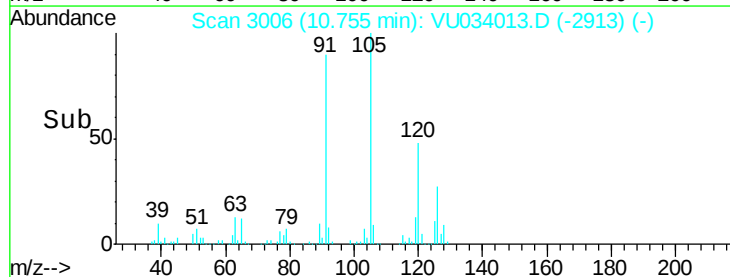
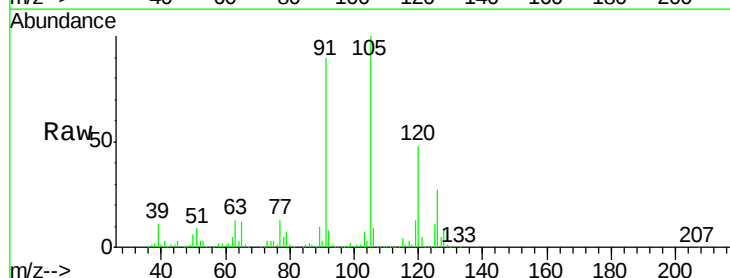
Manual Integrations
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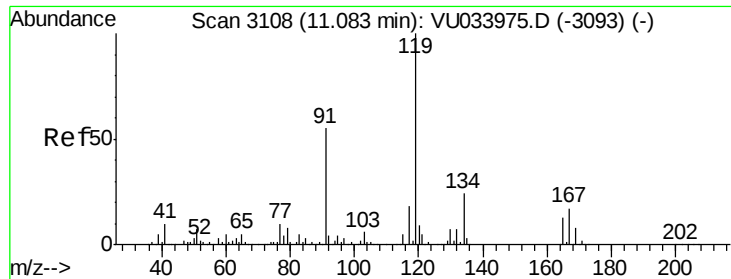
MMDadoda
8/28/2019 10:00:52 AM



#82
4-Chlorotoluene
Concen: 53.919 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.5	15.4	46.4





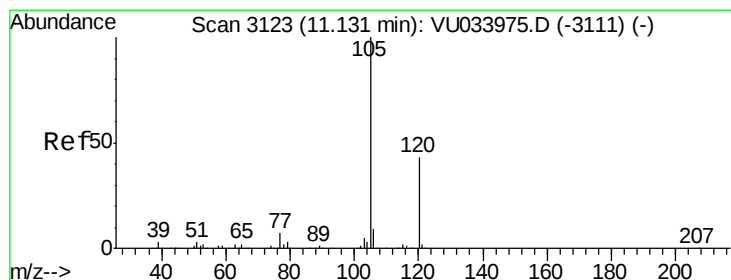
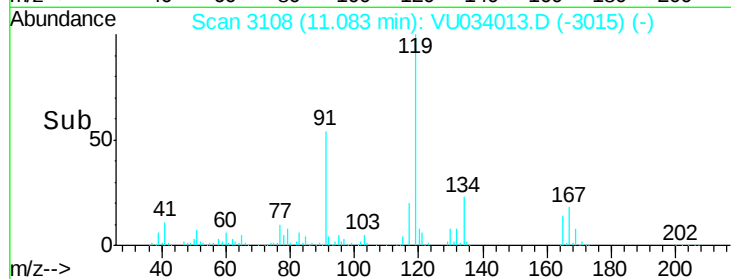
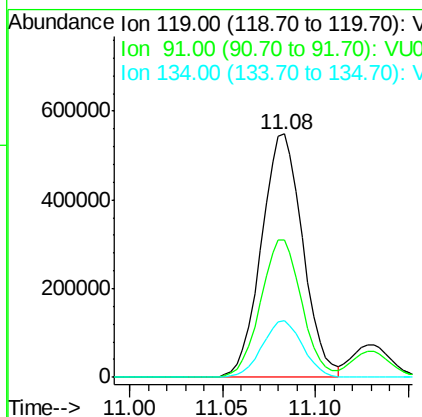
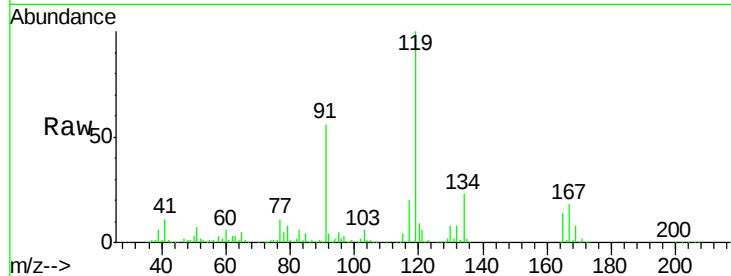
#83
 tert-Butylbenzene
 Concen: 49.371 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	856060		
91	55.8		27.6	82.8
134	22.9		11.6	34.7

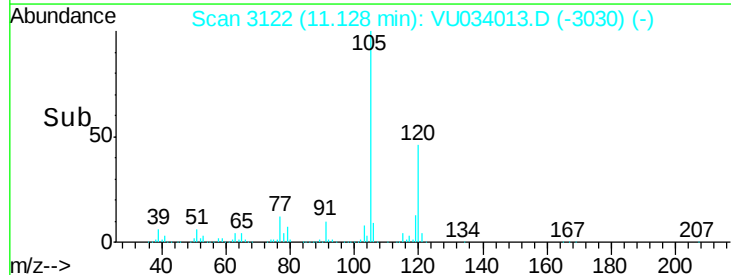
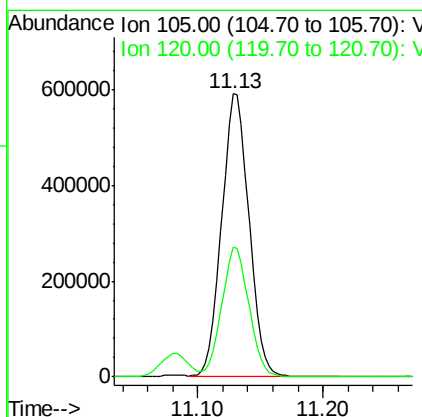
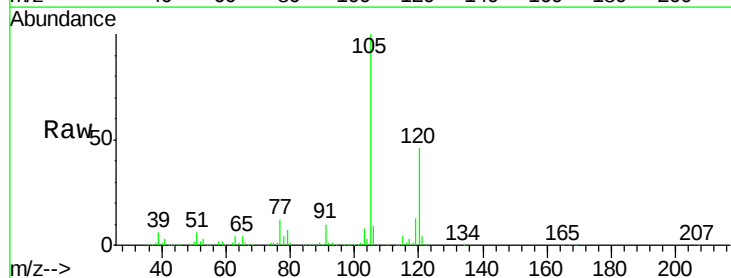
Manual Integrations
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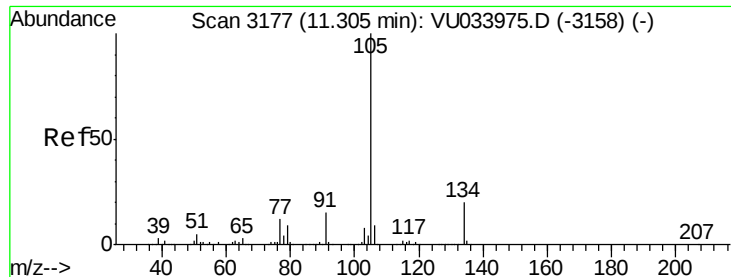
MMDadoda
 8/28/2019 10:00:52 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.859 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	891877		
120	45.4		23.3	69.9





#85

sec-Butylbenzene

Concen: 51.545 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1066701

Ion Ratio Lower Upper

105 100

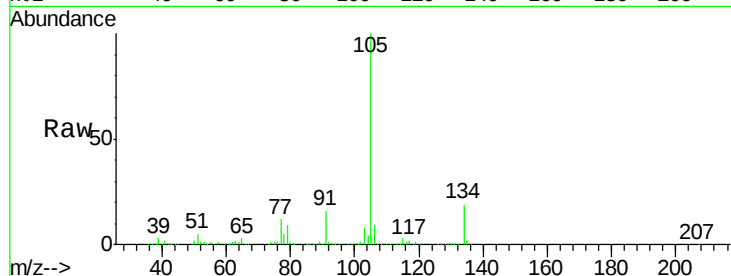
134 19.9 10.2 30.6

Manual Integrations

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MMDadoda

8/28/2019 10:00:52 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.31

800000

600000

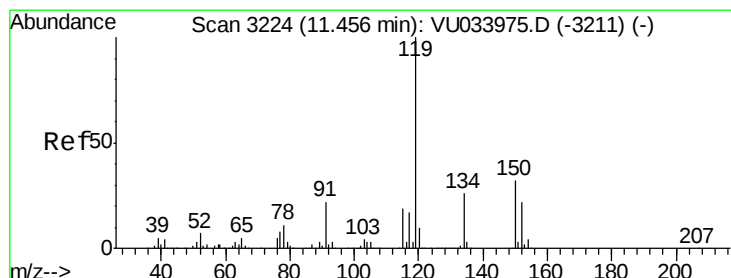
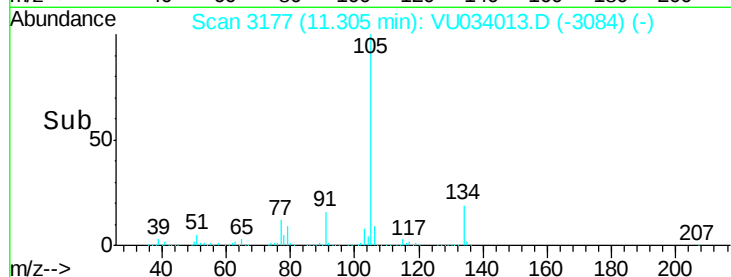
400000

200000

0

11.30 11.40

Time-->



#86

p-Isopropyltoluene

Concen: 52.457 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

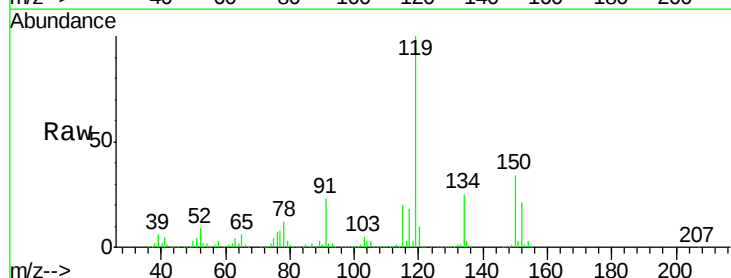
Tgt Ion:119 Resp: 1016095

Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 23.0 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU

11.46

800000

600000

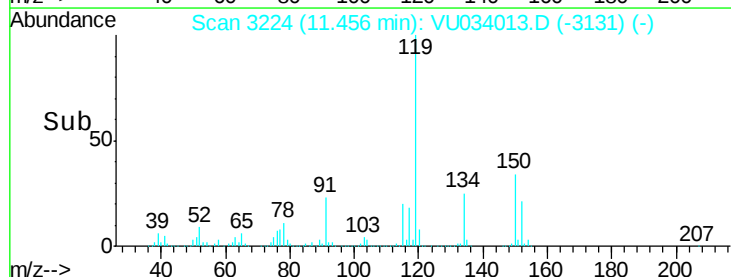
400000

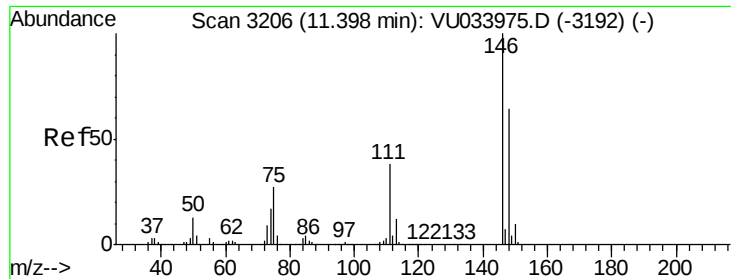
200000

0

11.40 11.50

Time-->





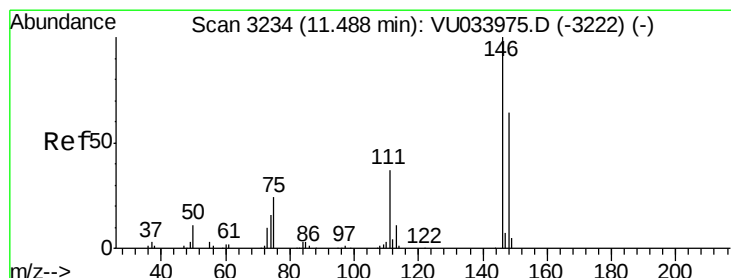
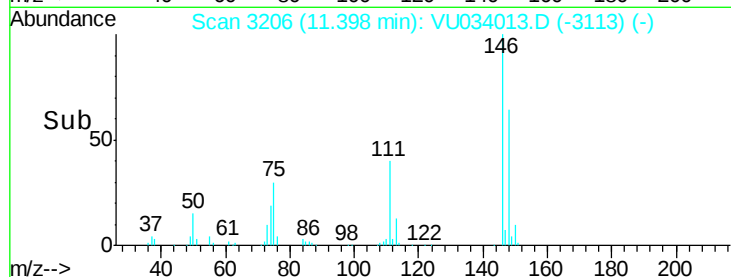
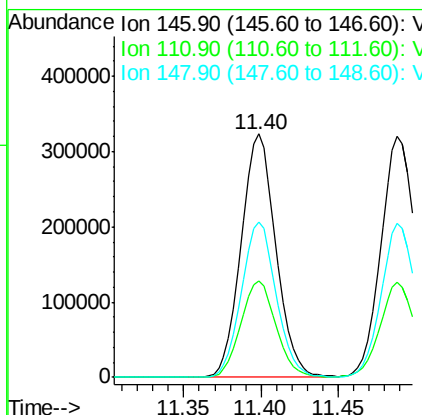
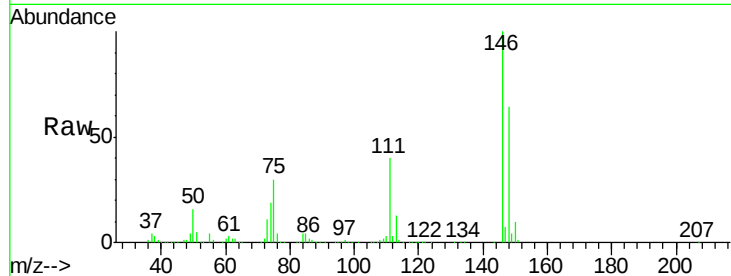
#87
 1,3-Dichlorobenzene
 Concen: 48.366 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	18.8	56.4
148	63.8	31.9	95.7

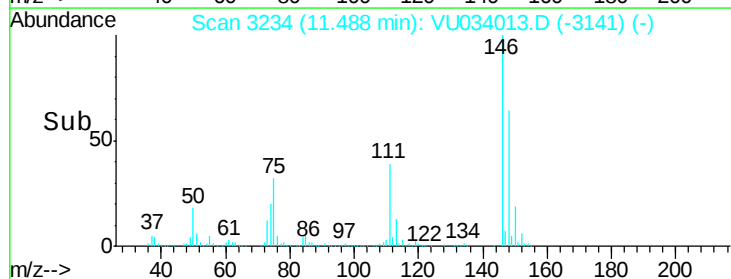
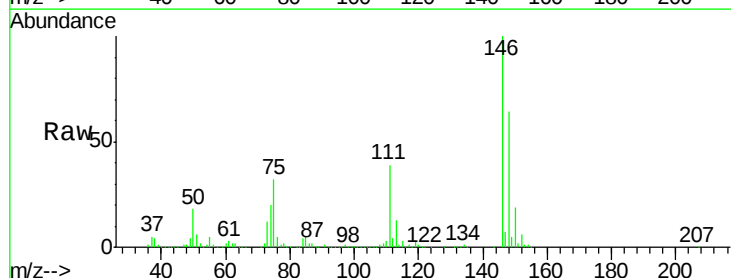
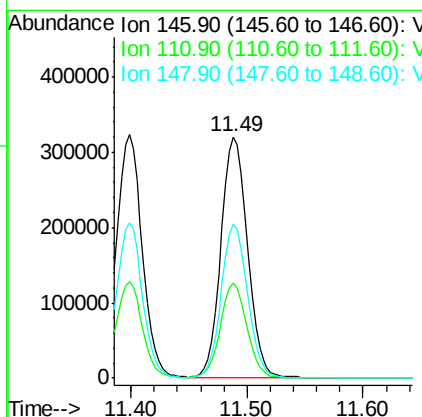
Manual Integrations
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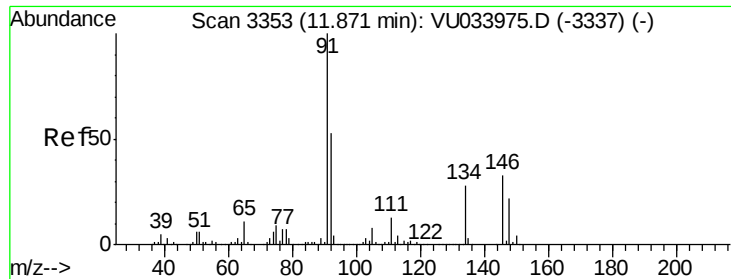
MMDadoda
 8/28/2019 10:00:52 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.144 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.8	56.4
148	63.5	31.9	95.7





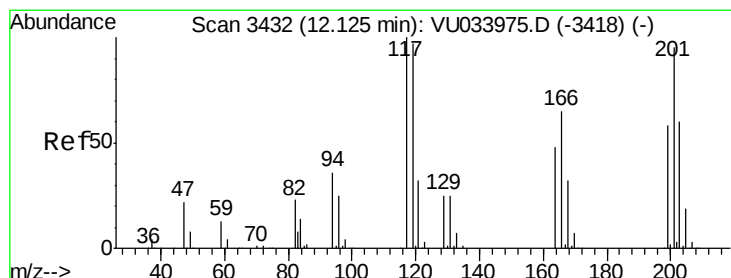
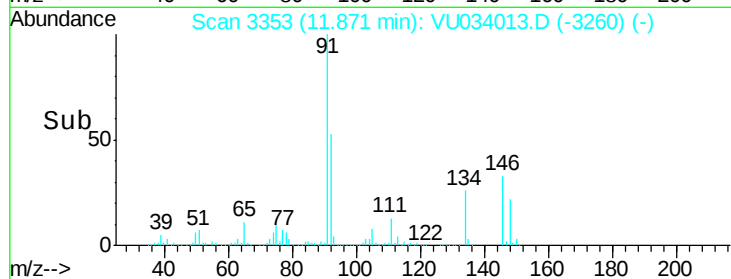
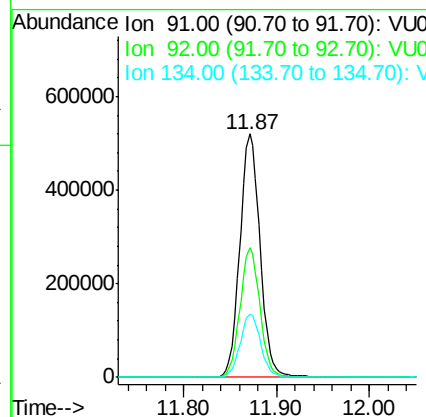
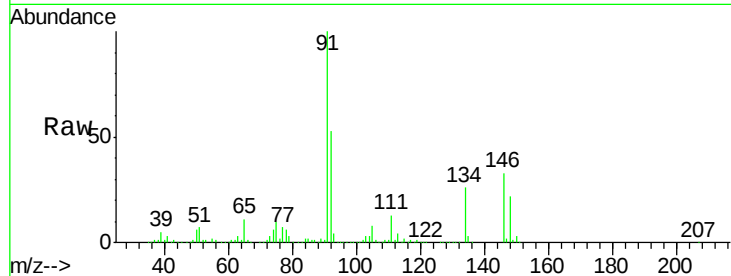
#89
n-Butylbenzene
Concen: 48.543 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.7	80.0
134	26.4	13.6	40.8

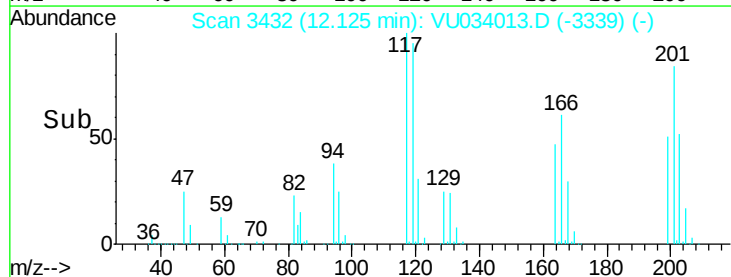
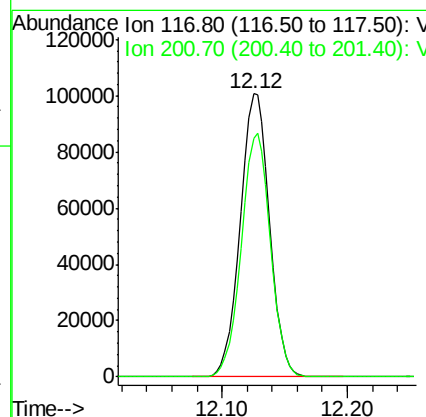
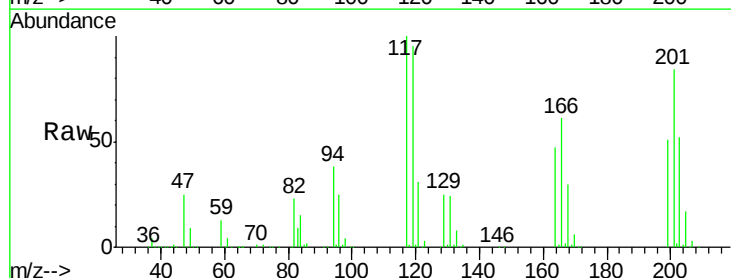
Manual Integrations
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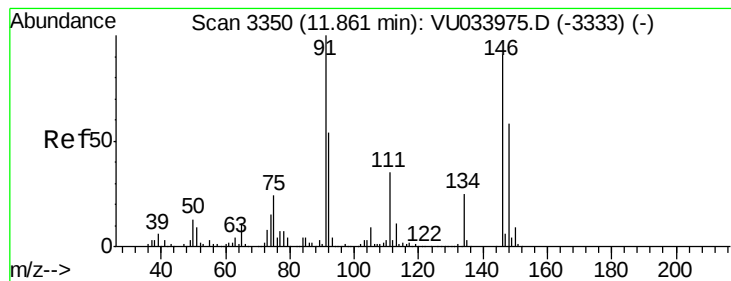
MMDadoda
8/28/2019 10:00:52 AM



#90
Hexachloroethane
Concen: 50.870 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	47.5	142.5





#91

1,2-Dichlorobenzene

Concen: 44.476 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 146 Resp: 457734

Ion Ratio Lower Upper

146 100

111 41.0 19.8 59.3

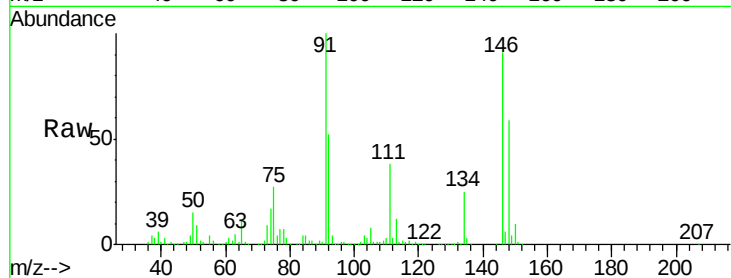
148 63.9 32.0 96.2

Manual Integrations

APPROVED

MMDadoda

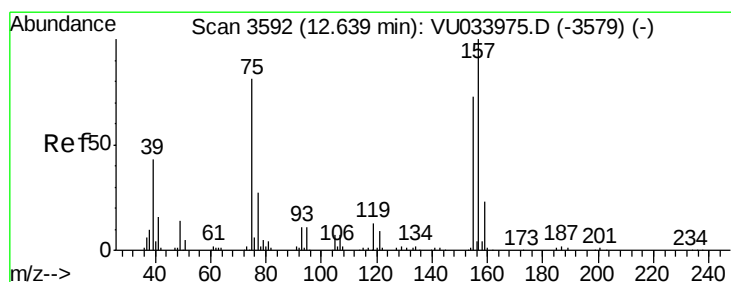
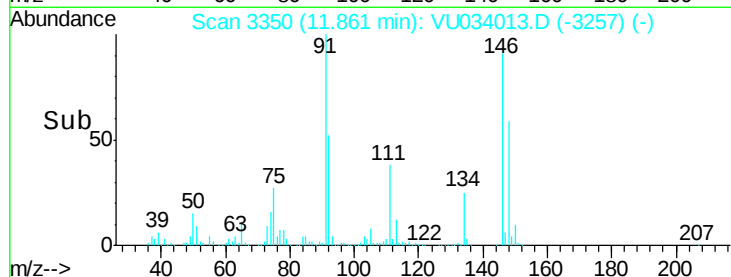
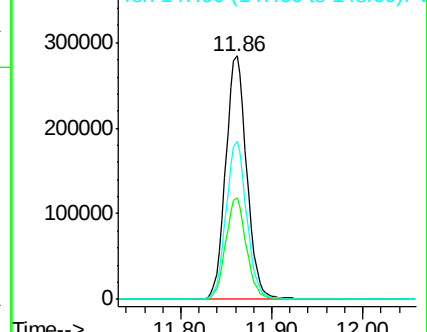
8/28/2019 10:00:52 AM



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: 59.932 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034013.D

Acq: 28 Aug 2019 08:38

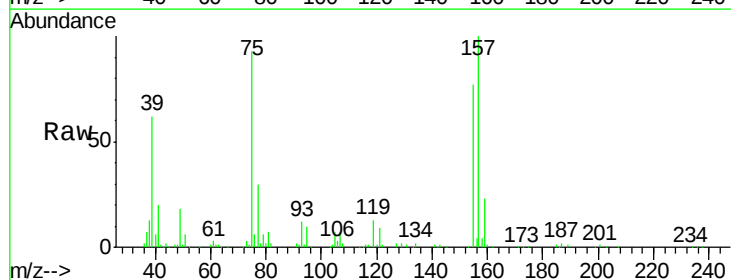
Tgt Ion: 75 Resp: 90178

Ion Ratio Lower Upper

75 100

155 82.1 46.9 140.6

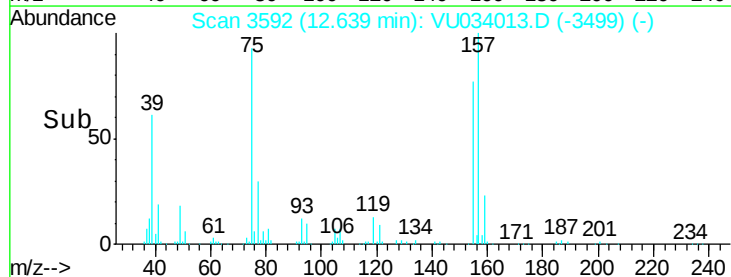
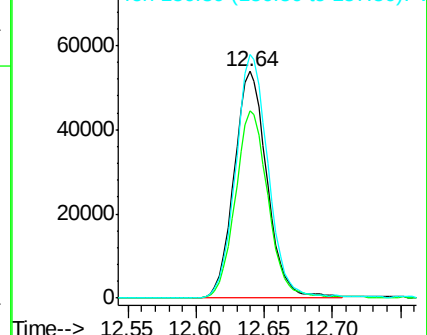
157 105.7 61.2 183.6

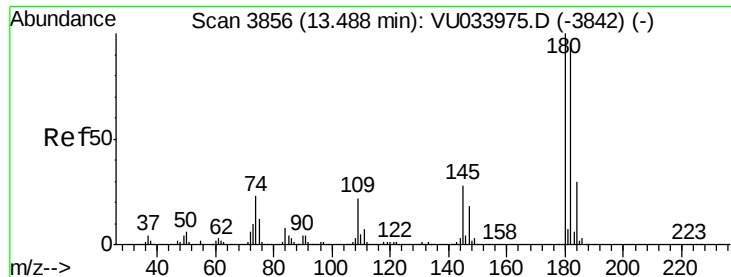


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





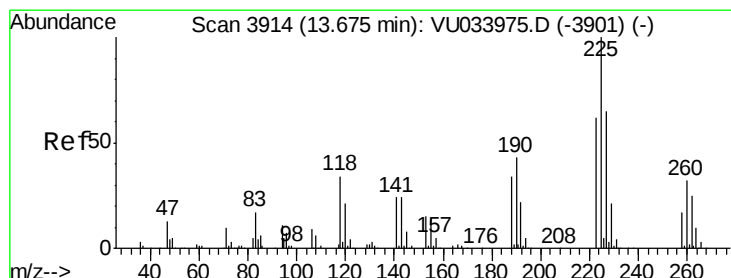
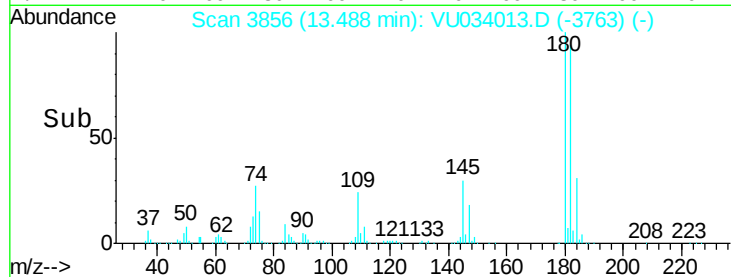
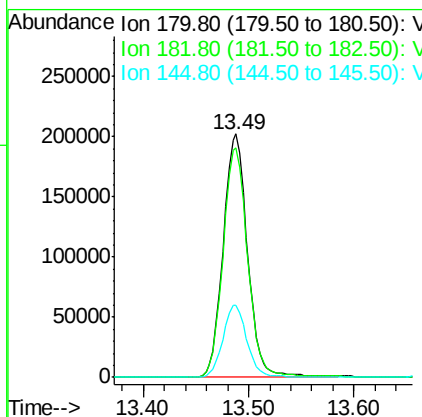
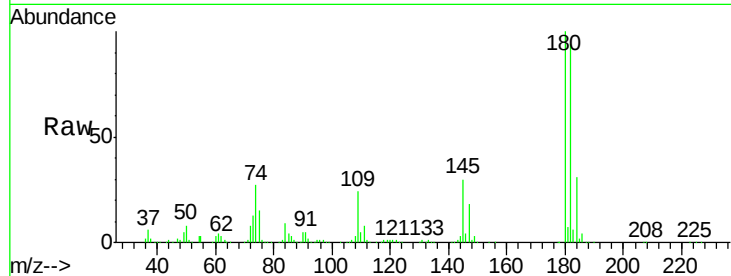
#93
 1,2,4-Trichlorobenzene
 Concen: 44.893 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.4	142.2
145	29.5	14.4	43.2

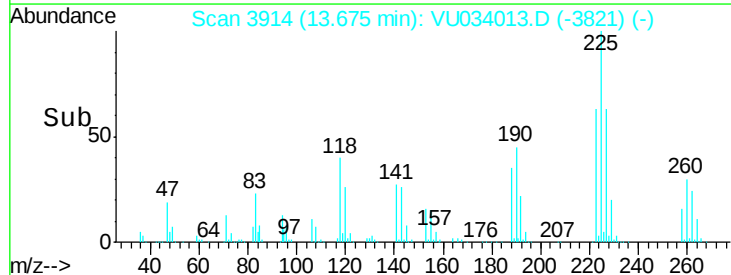
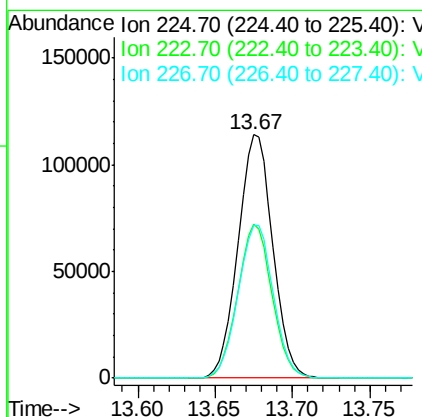
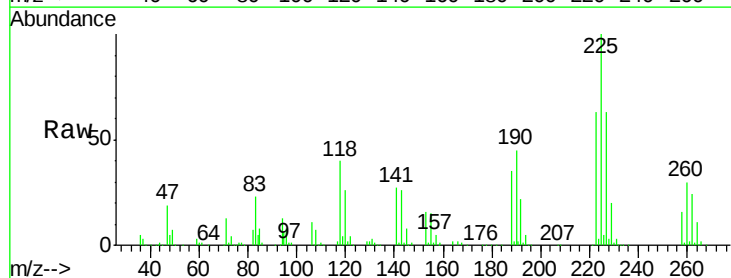
Manual Integrations
 APPROVED

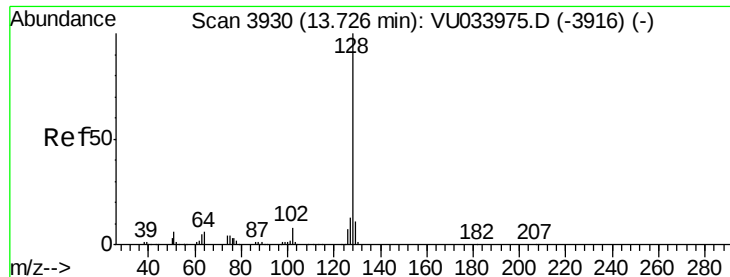
MMDadoda
 8/28/2019 10:00:52 AM



#94
 Hexachlorobutadiene
 Concen: 42.194 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034013.D
 Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.7	95.1
227	63.7	33.0	99.0





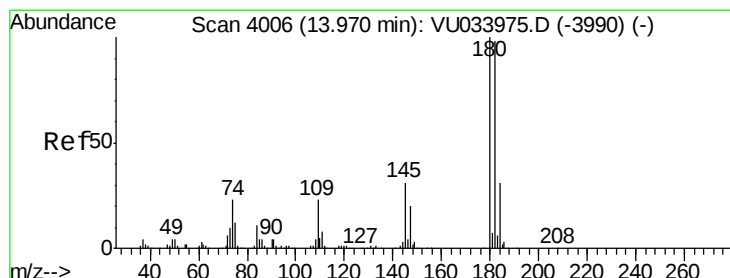
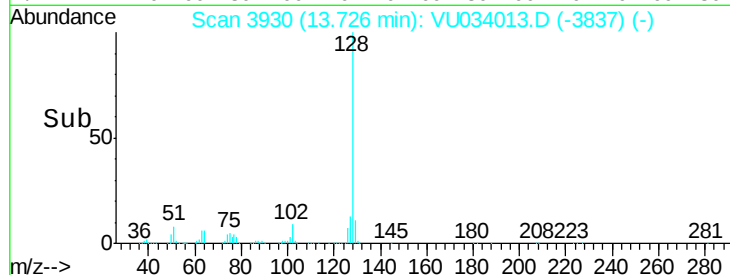
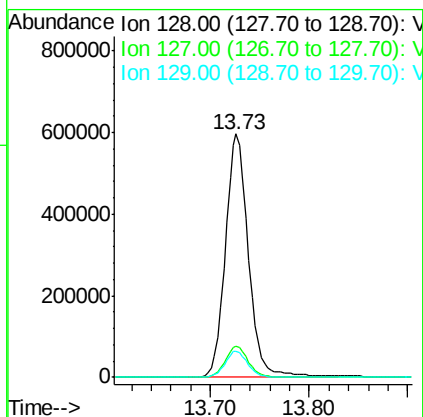
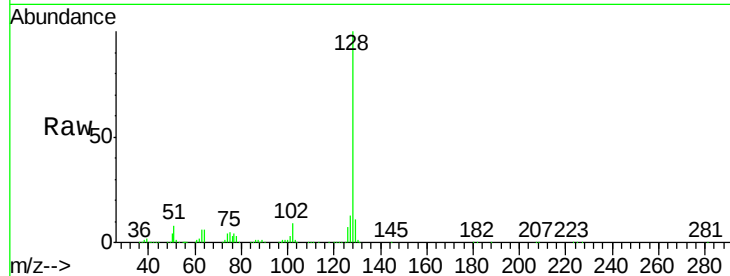
#95
Naphthalene
Concen: 48.978 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
8/28/2019 10:00:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.524 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034013.D
Acq: 28 Aug 2019 08:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.4	145.3
145	31.0	15.1	45.3

