

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033983.D
 Acq On : 27 Aug 2019 19:29
 Operator : JC/SP
 Sample : VU0828WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:58:08 AM

Quant Time: Aug 28 04:30:31 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	329486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	503170	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	477898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	254318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	181853	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	4.86	113	164254	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	7.55	98	632756	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	10.29	95	225828	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67976	20.512	ug/l	98
3) Chloromethane	1.32	50	74467	21.282	ug/l	99
4) Vinyl Chloride	1.40	62	66449	20.084	ug/l	99
5) Bromomethane	1.61	94	43242	21.504	ug/l	99
6) Chloroethane	1.69	64	37701	19.139	ug/l	95
7) Trichlorofluoromethane	1.87	101	86810	19.941	ug/l	99
8) Diethyl Ether	2.09	74	32181	19.489	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	55403	19.928	ug/l	97
10) Methyl Iodide	2.40	142	84346	20.258	ug/l	99
11) Tert butyl alcohol	2.81	59	90806	95.776	ug/l #	87
12) 1,1-Dichloroethene	2.27	96	56842	19.588	ug/l	96
13) Acrolein	2.18	56	27581	91.602	ug/l	96
14) Allyl chloride	2.58	41	99142m	19.296	ug/l	
15) Acrylonitrile	2.92	53	193241	100.822	ug/l	98
16) Acetone	2.31	43	149554	85.356	ug/l	100
17) Carbon Disulfide	2.46	76	181644	19.062	ug/l	99
18) Methyl Acetate	2.60	43	85033	19.704	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	198268	20.339	ug/l	99
20) Methylene Chloride	2.68	84	70662	19.009	ug/l	97
21) trans-1,2-Dichloroethene	2.96	96	66690	20.157	ug/l	97
22) Diisopropyl ether	3.55	45	192089	20.348	ug/l	100
23) Vinyl Acetate	3.50	43	817007	101.871	ug/l	100
24) 1,1-Dichloroethane	3.42	63	117660	19.907	ug/l	99
25) 2-Butanone	4.24	43	242469	96.541	ug/l	100
26) 2,2-Dichloropropane	4.20	77	91701	18.349	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	75675	20.433	ug/l	96
28) Bromochloromethane	4.52	49	55968	20.581	ug/l	97
29) Tetrahydrofuran	4.61	42	155692	99.109	ug/l	98
30) Chloroform	4.65	83	120209	19.862	ug/l	97
31) Cyclohexane	4.97	56	106273	19.690	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	102717	20.160	ug/l	99
36) 1,1-Dichloropropene	5.11	75	87046	18.888	ug/l	99
37) Ethyl Acetate	4.36	43	88043	19.047	ug/l	98
38) Carbon Tetrachloride	5.11	117	92171	19.625	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	103295	18.942	ug/l	97
40) Benzene	5.37	78	267605	19.530	ug/l	99
41) Methacrylonitrile	4.52	41	48120	20.090	ug/l	99
42) 1,2-Dichloroethane	5.38	62	89850	19.391	ug/l	100
43) Isopropyl Acetate	5.53	43	137321	19.375	ug/l	100
44) Trichloroethene	6.17	130	75391	19.297	ug/l	97
45) 1,2-Dichloropropane	6.41	63	70984	19.364	ug/l	92
46) Dibromomethane	6.54	93	48325	19.384	ug/l	99
47) Bromodichloromethane	6.74	83	92941	19.573	ug/l	98
48) Methyl methacrylate	6.60	41	64982	19.284	ug/l	99
49) 1,4-Dioxane	6.59	88	37400	404.408	ug/l #	98
51) 4-Methyl-2-Pentanone	7.44	43	470996	96.384	ug/l	99
52) Toluene	7.62	92	174437	20.189	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	99436	18.936	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	111277	19.604	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	69351	18.996	ug/l	99
56) Ethyl methacrylate	8.00	69	102909	19.496	ug/l	99
57) 1,3-Dichloropropane	8.22	76	116517	19.584	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	178005	93.982	ug/l	98
59) 2-Hexanone	8.34	43	358747	95.511	ug/l	100
60) Dibromochloromethane	8.46	129	80125	19.517	ug/l	99
61) 1,2-Dibromoethane	8.57	107	76252	19.777	ug/l	99
64) Tetrachloroethene	8.21	164	77832	20.256	ug/l	98
65) Chlorobenzene	9.10	112	195508	19.867	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	71649	19.528	ug/l	99
67) Ethyl Benzene	9.23	91	323090	19.691	ug/l	100
68) m/p-Xylenes	9.36	106	254328	40.191	ug/l	100
69) o-Xylene	9.76	106	124297	20.546	ug/l	99
70) Styrene	9.77	104	211104	20.388	ug/l	99
71) Bromoform	9.94	173	64225	19.775	ug/l #	99
73) Isopropylbenzene	10.15	105	330432	20.188	ug/l	99
74) N-amyl acetate	10.00	43	120952	19.686	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	114165	19.366	ug/l	98
76) 1,2,3-Trichloropropane	10.48	75	99727m	19.681	ug/l	
77) Bromobenzene	10.43	156	89757	19.406	ug/l	98
78) n-propylbenzene	10.57	91	370499	19.960	ug/l	100
79) 2-Chlorotoluene	10.64	91	227709	20.330	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	288897	20.609	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	28324m	16.010	ug/l	
82) 4-Chlorotoluene	10.76	91	257924	19.892	ug/l	99
83) tert-Butylbenzene	11.08	119	273353	20.088	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	284319	20.659	ug/l	100
85) sec-Butylbenzene	11.31	105	323376	19.911	ug/l	99
86) p-Isopropyltoluene	11.46	119	308096	20.268	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	158860	19.361	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	159399	19.248	ug/l	99
89) n-Butylbenzene	11.87	91	246578	19.408	ug/l	98
90) Hexachloroethane	12.13	117	47807	19.014	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	157408	19.489	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	23460	19.867	ug/l	99

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QLast Update : Wed Aug 28 02:42:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	97485	18.304	ug/l	97
94) Hexachlorobutadiene	13.67	225	63112	19.060	ug/l	98
95) Naphthalene	13.73	128	265027	18.262	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	101383	19.644	ug/l	98

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

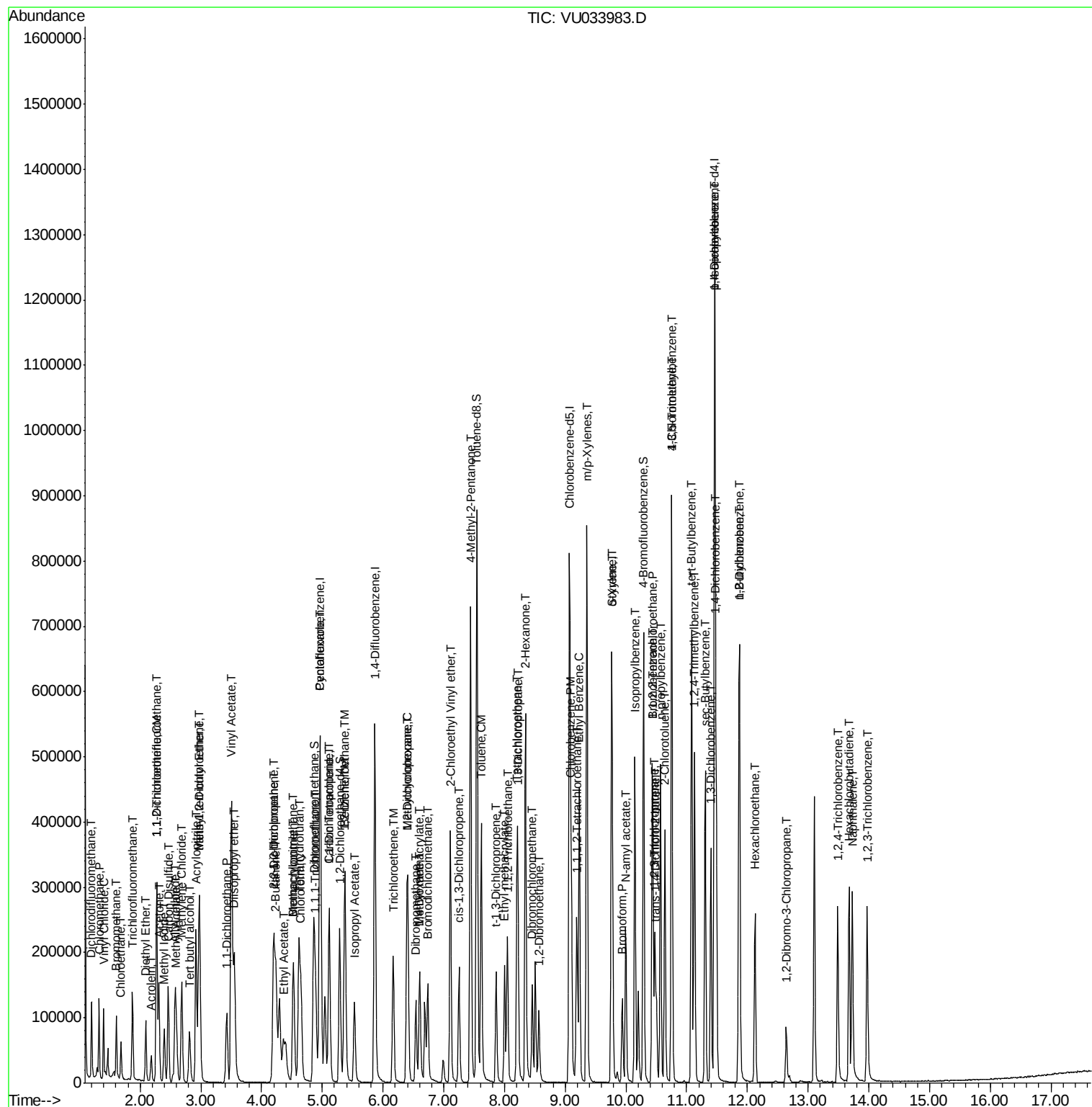
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Data File : VU033983.D
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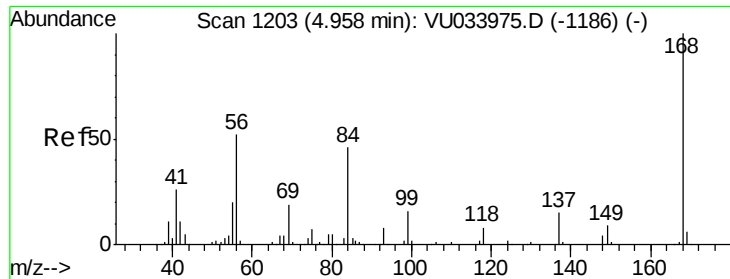
Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

Tot Ion:168 Resp: 329486

Ion Ratio Lower Upper

168 100

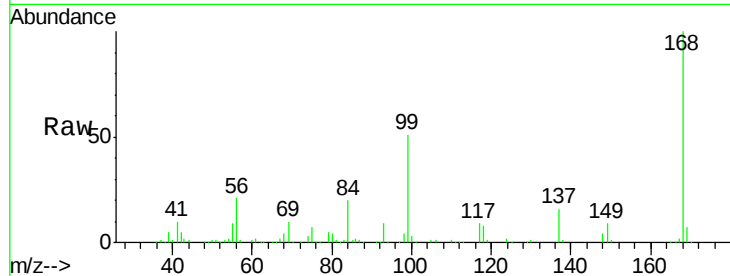
99 50.5 39.4 59.2

Manual Integrations

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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) (-)

4.96

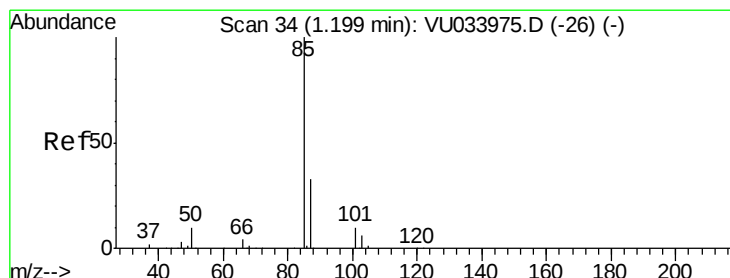
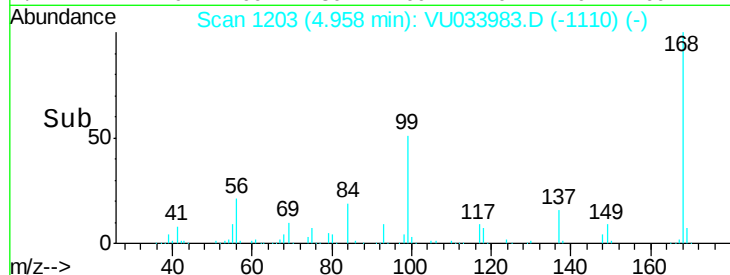
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.512 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033983.D

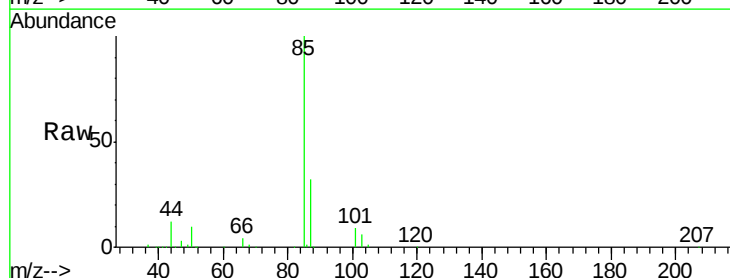
Acq: 27 Aug 2019 19:29

Tgt Ion: 85 Resp: 67976

Ion Ratio Lower Upper

85 100

87 31.7 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) (-)

1.20

80000

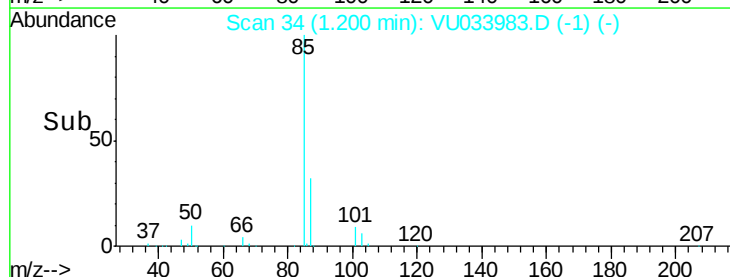
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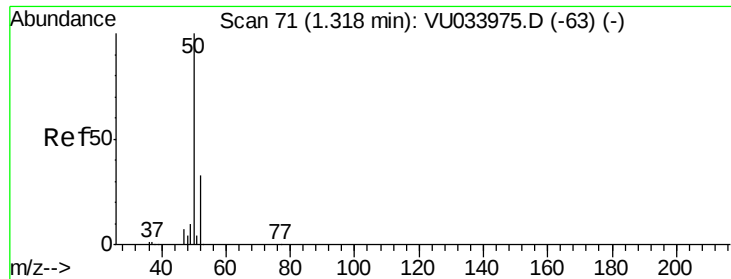
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20000

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Time-->





#3

Chloromethane

Concen: 21.282 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

Tot Ion: 50 Resp: 74467

Ion Ratio Lower Upper

50 100

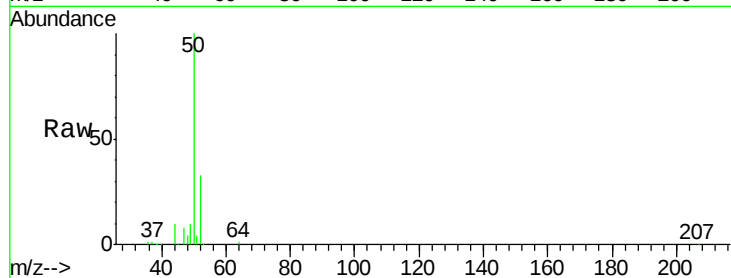
52 33.4 26.2 39.2

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

Ion 51.90 (51.60 to 52.60): VU033983.D (-1) (-)

80000

60000

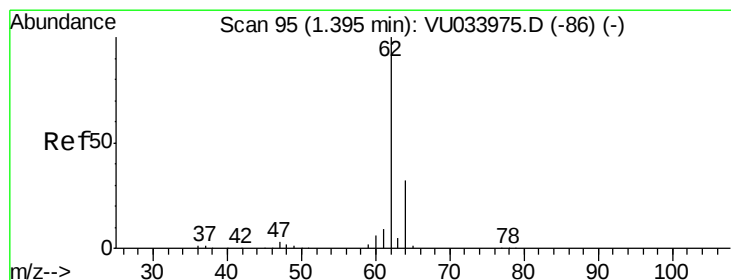
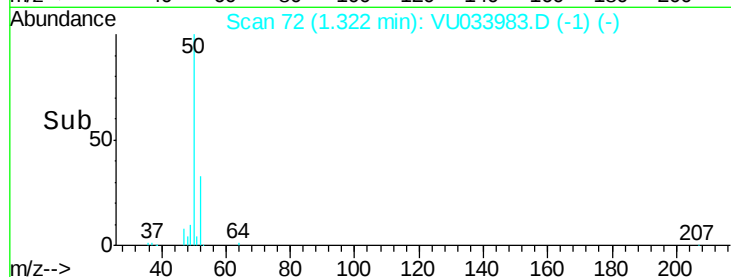
40000

20000

0

1.30 1.32 1.35

Time-->



#4

Vinyl Chloride

Concen: 20.084 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033983.D

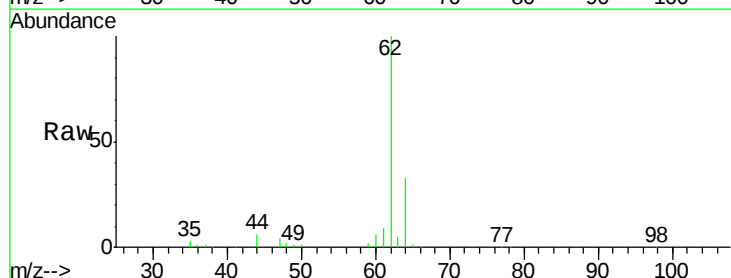
Acq: 27 Aug 2019 19:29

Tgt Ion: 62 Resp: 66449

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9



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

Ion 63.90 (63.60 to 64.60): VU033983.D (-2) (-)

60000

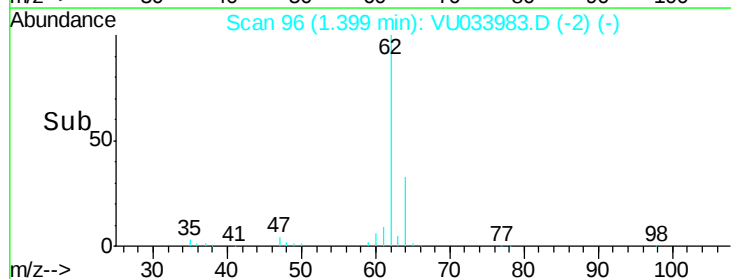
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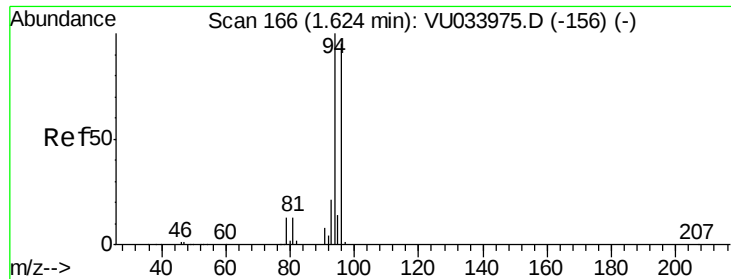
20000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 21.504 ug/l

RT: 1.61 min Scan# 161

Delta R.T. -0.02 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

Tot Ion: 94 Resp: 43242

Ion Ratio Lower Upper

94 100

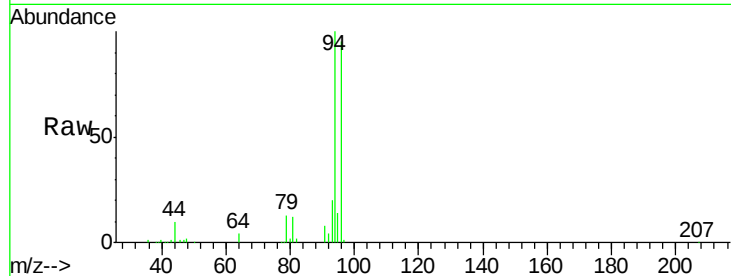
96 94.6 76.3 114.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

40000

30000

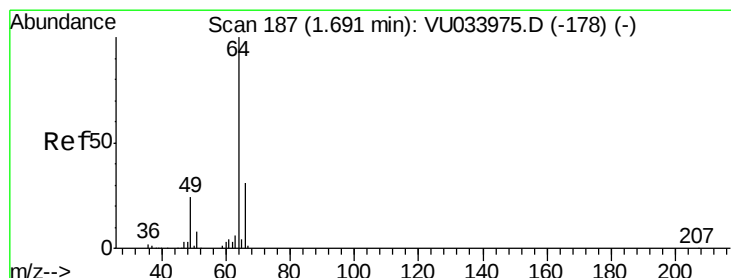
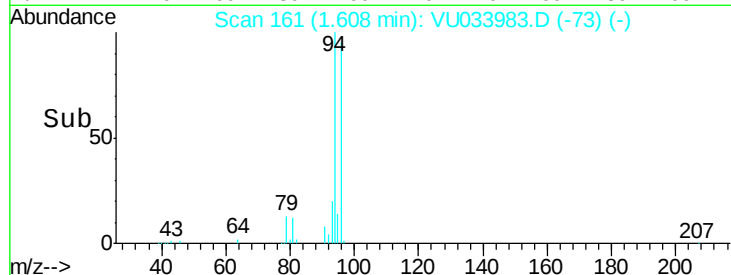
20000

10000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 19.139 ug/l

RT: 1.69 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU033983.D

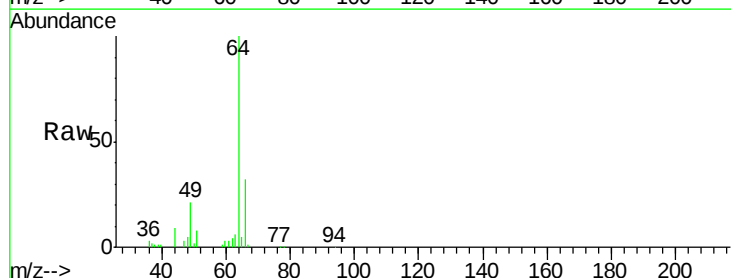
Acq: 27 Aug 2019 19:29

Tgt Ion: 64 Resp: 37701

Ion Ratio Lower Upper

64 100

66 33.7 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

30000

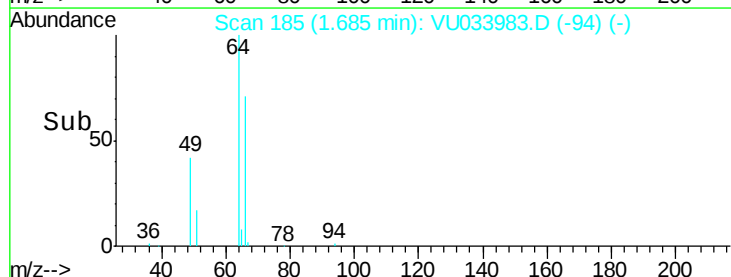
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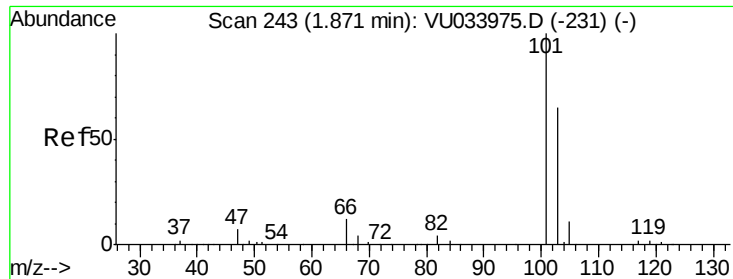
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Time-->

1.65 1.70 1.75





#7

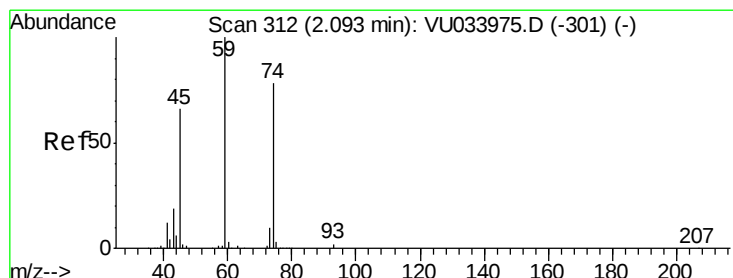
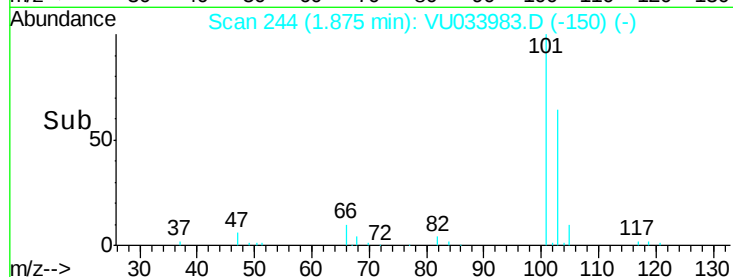
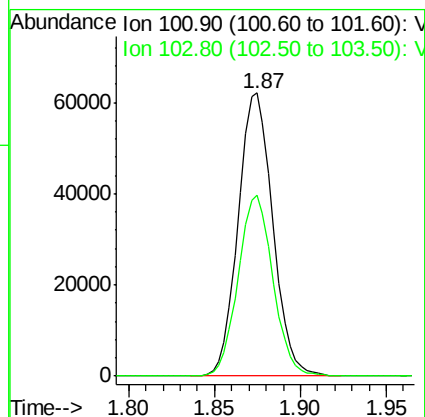
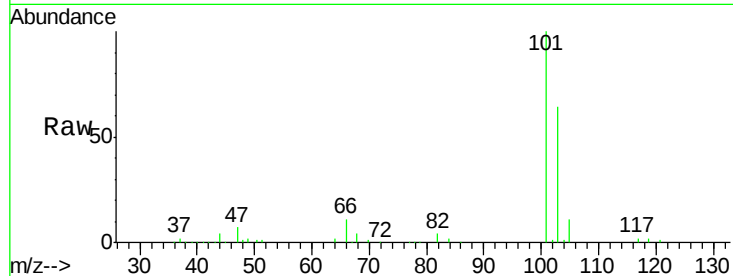
Trichlorofluoromethane
Concen: 19.941 ug/l
RT: 1.87 min Scan# 244
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
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ClientSampleId :
VU0828WBSD01

Tot Ion:101 Resp: 86810
Ion Ratio Lower Upper
101 100
103 63.8 52.0 78.0

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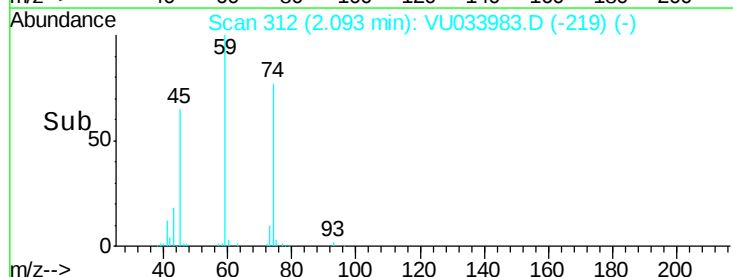
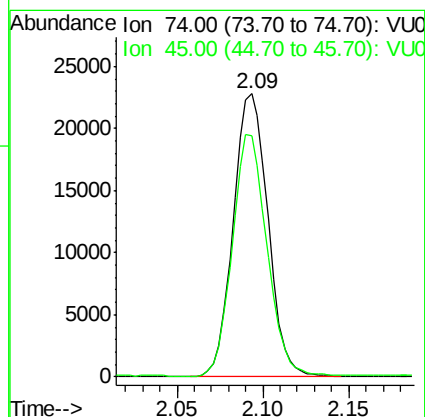
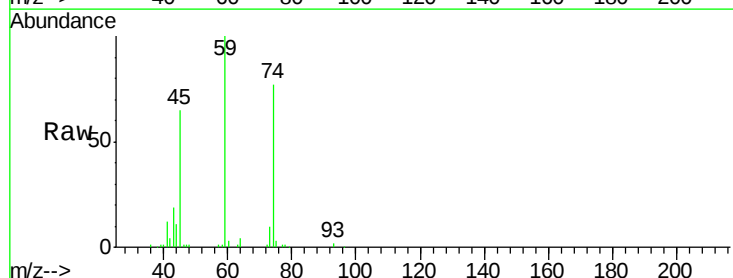
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8/28/2019 9:58:08 AM

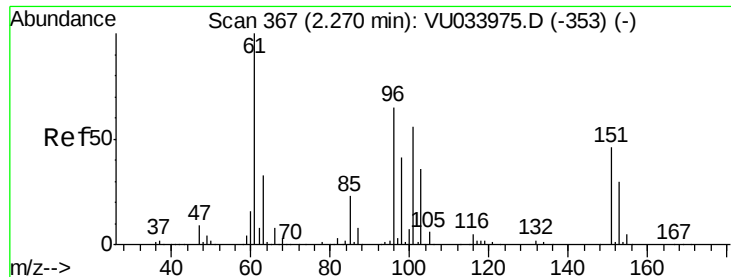


#8

Diethyl Ether
Concen: 19.489 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion: 74 Resp: 32181
Ion Ratio Lower Upper
74 100
45 86.0 42.8 128.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.928 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

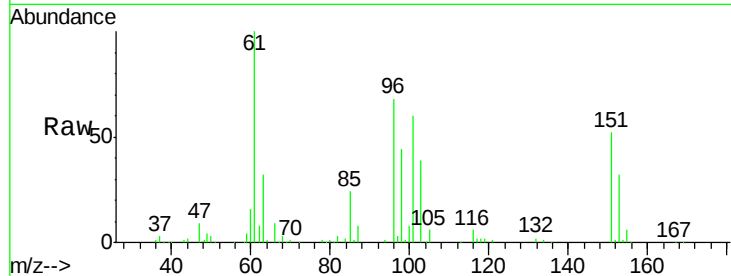
ClientSampleId :

VU0828WBSD01

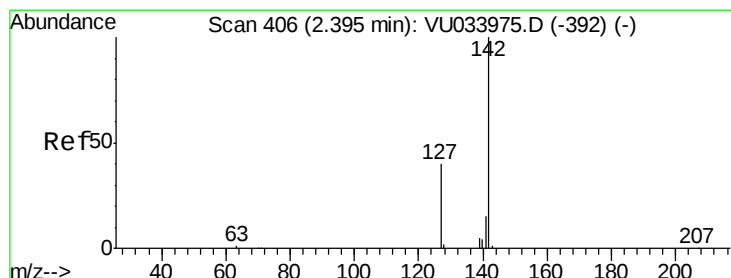
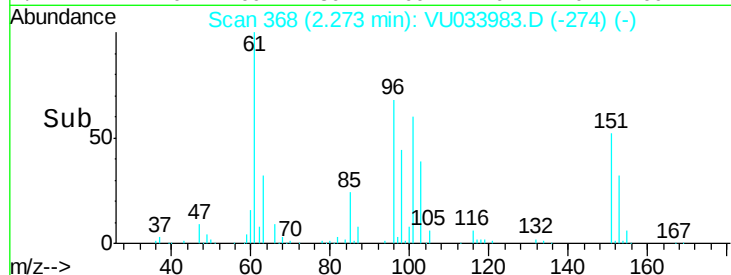
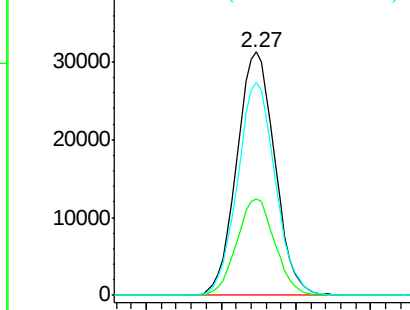
Tot Ion:	101	Resp:	55403
Ion Ratio	Lower	Upper	
101	100		
85	39.7	33.4	50.0
151	86.8	67.6	101.4

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.258 ug/l

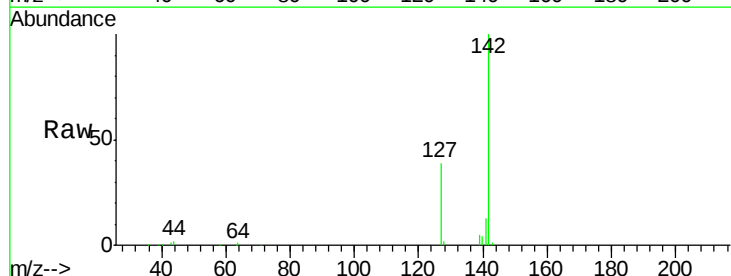
RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

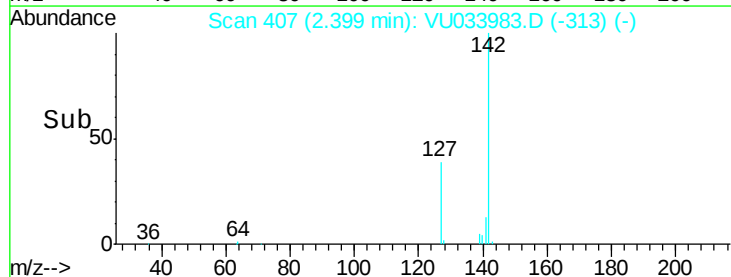
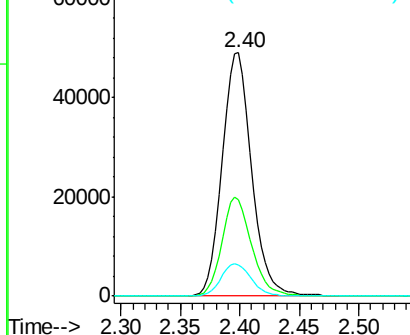
Lab File: VU033983.D

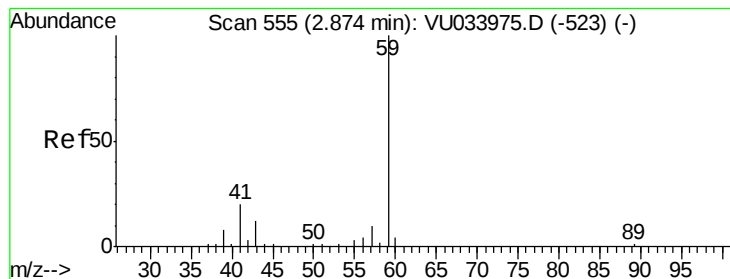
Acq: 27 Aug 2019 19:29

Tgt Ion:	142	Resp:	84346
Ion Ratio	Lower	Upper	
142	100		
127	40.8	32.2	48.2
141	13.7	11.8	17.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

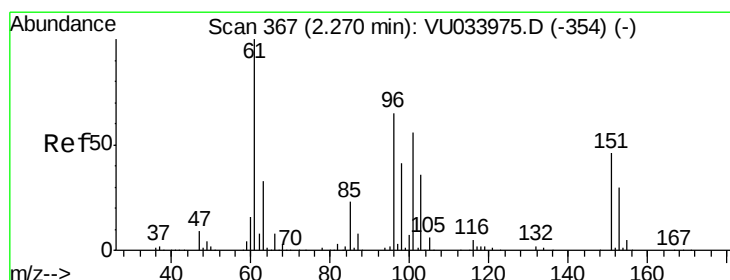
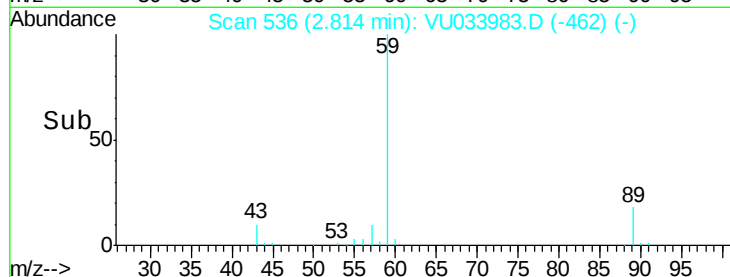
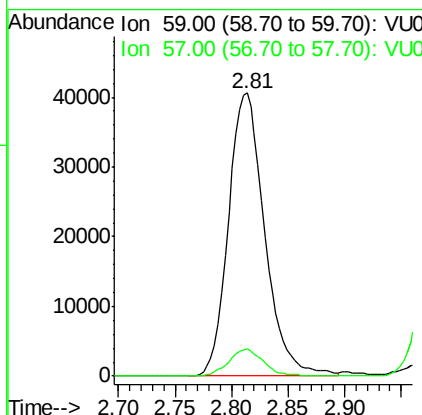
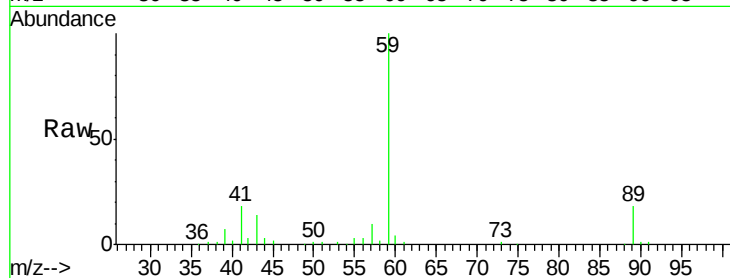
Tert butyl alcohol
 Concen: 95.776 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. -0.06 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	90806		
57	9.1		3.9	5.9#

Manual Integrations
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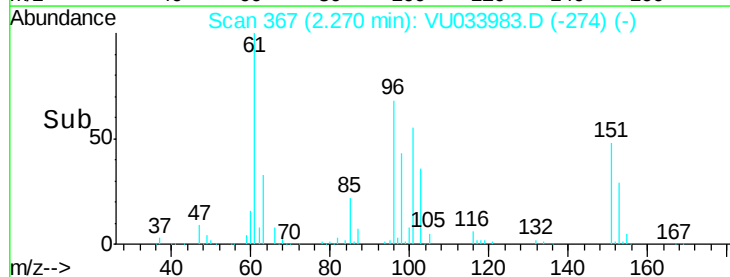
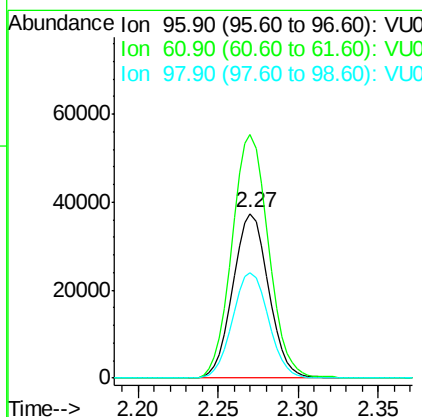
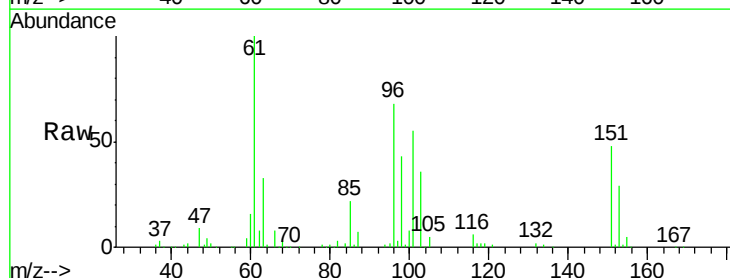
MMDadoda
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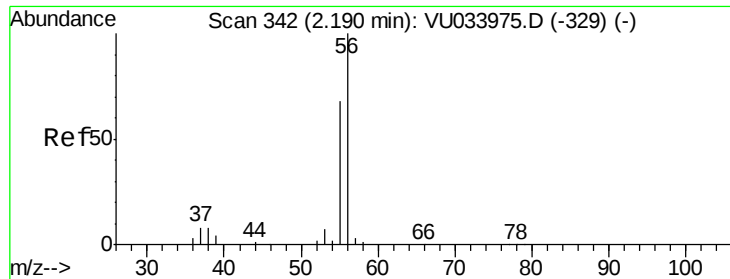


#12

1,1-Dichloroethene
 Concen: 19.588 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	56842		
61	147.9		123.3	184.9
98	64.2		50.5	75.7





#13

Acrolein

Concen: 91.602 ug/l

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

Tot Ion: 56 Resp: 27581

Ion Ratio Lower Upper

56 100

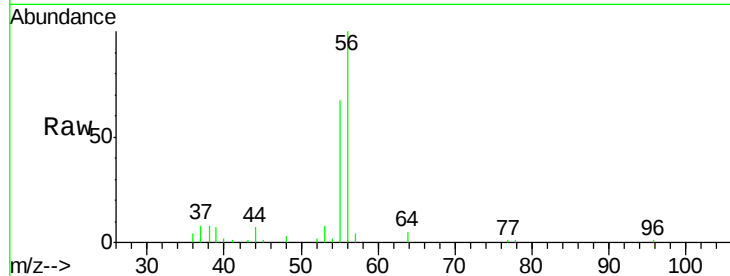
55 69.2 58.0 87.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU033975.D (-329) (-)

Ion 55.00 (54.70 to 55.70): VU033975.D (-329) (-)

2.18

20000

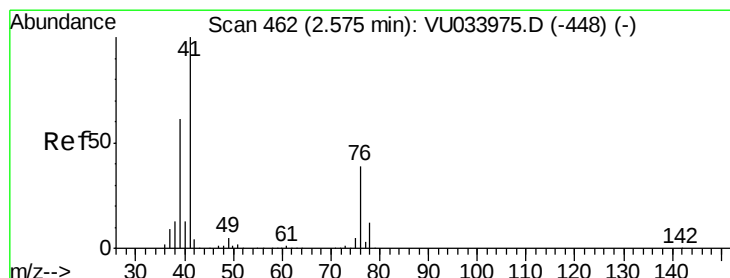
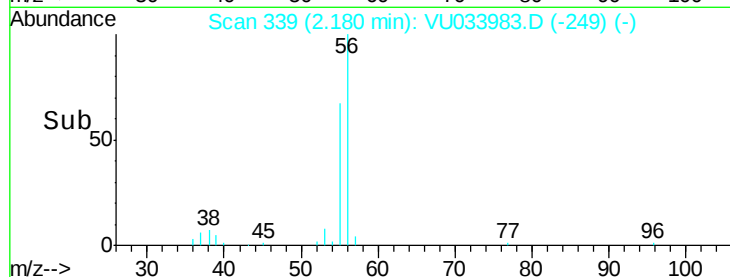
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 19.296 ug/l m

RT: 2.58 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

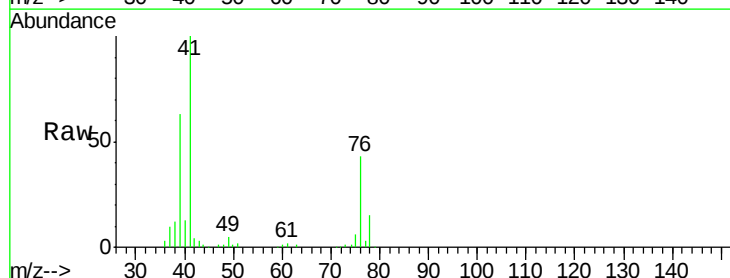
Tgt Ion: 41 Resp: 99142

Ion Ratio Lower Upper

41 100

39 57.4 45.9 68.9

76 36.5 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VU033975.D (-448) (-)

Ion 39.00 (38.70 to 39.70): VU033975.D (-448) (-)

Ion 75.90 (75.60 to 76.60): VU033975.D (-448) (-)

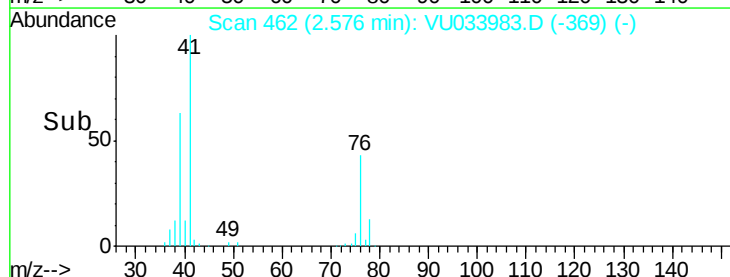
150000

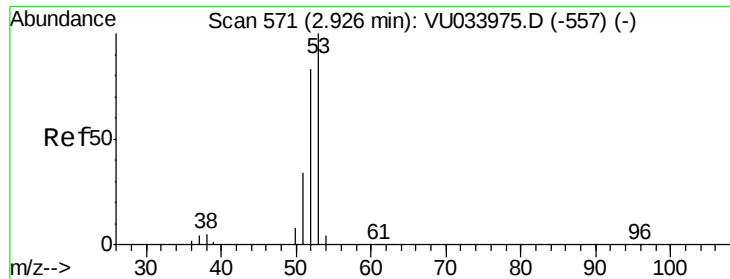
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 100.822 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.01 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

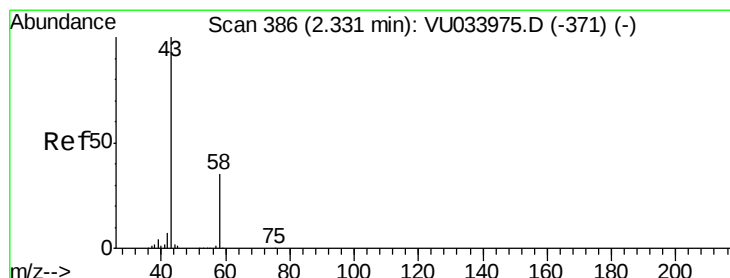
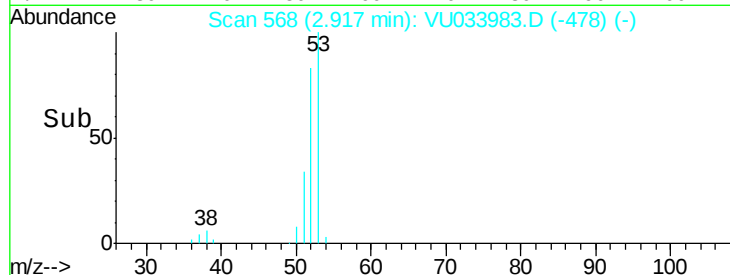
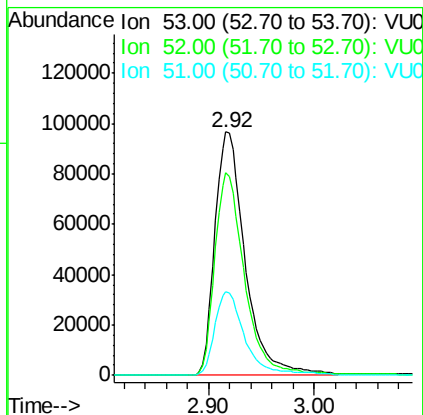
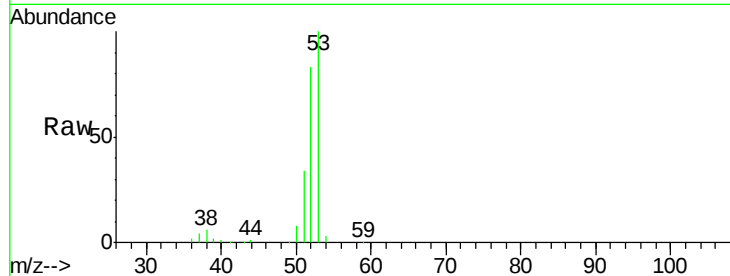
ClientSampleId :

VU0828WBSD01

Tot Ion:	53	Resp:	193241
Ion Ratio	Lower	Upper	
53	100		
52	80.9	66.7	100.1
51	34.4	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 85.356 ug/l

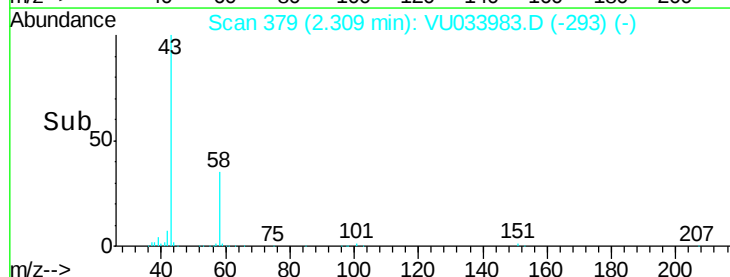
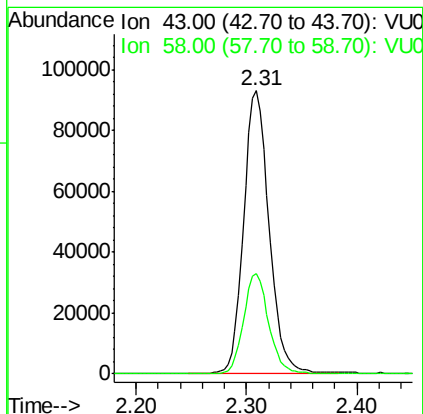
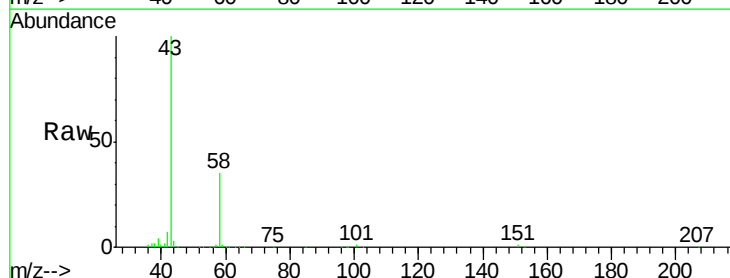
RT: 2.31 min Scan# 379

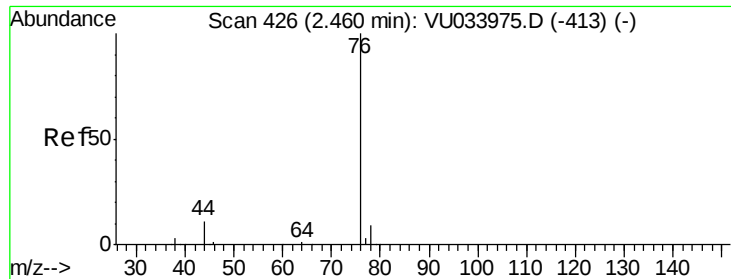
Delta R.T. -0.02 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Tgt Ion:	43	Resp:	149554
Ion Ratio	Lower	Upper	
43	100		
58	35.3	28.0	42.0





#17

Carbon Disulfide

Concen: 19.062 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

Tot Ion: 76 Resp: 181644

Ion Ratio Lower Upper

76 100

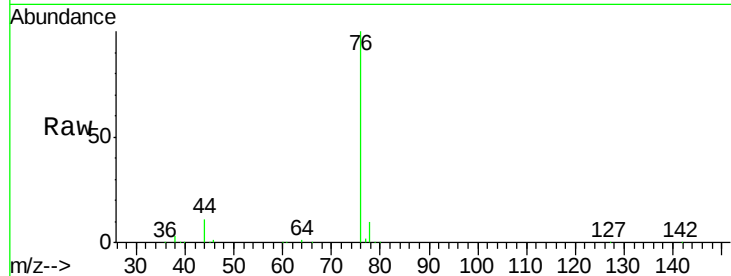
78 9.7 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU033975.D (-413) (-)

Ion 77.90 (77.60 to 78.60): VU033975.D (-413) (-)

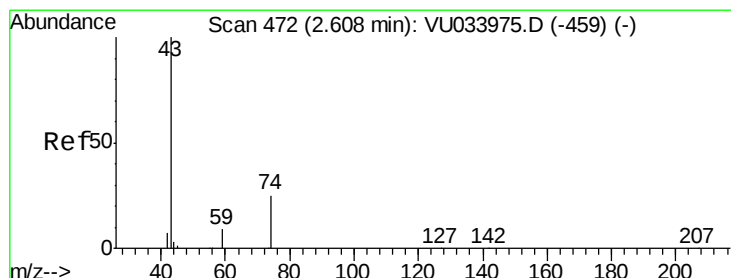
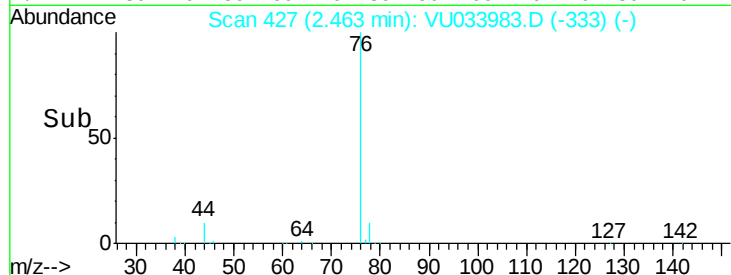
2.46

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.704 ug/l

RT: 2.60 min Scan# 470

Delta R.T. -0.01 min

Lab File: VU033983.D

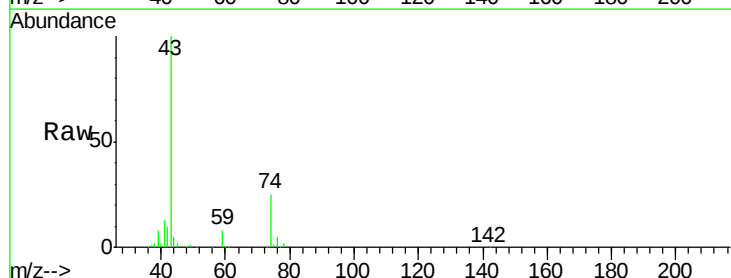
Acq: 27 Aug 2019 19:29

Tgt Ion: 43 Resp: 85033

Ion Ratio Lower Upper

43 100

74 25.8 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VU033975.D (-459) (-)

Ion 74.00 (73.70 to 74.70): VU033975.D (-459) (-)

2.60

50000

40000

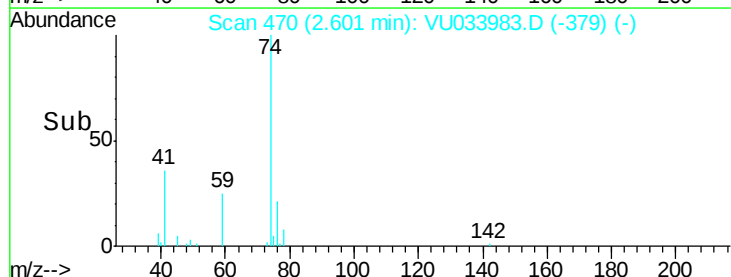
30000

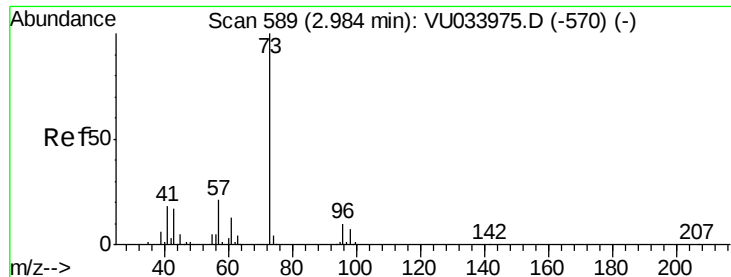
20000

10000

0

Time-->





#19

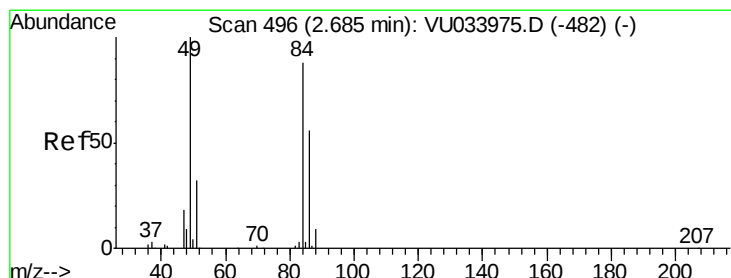
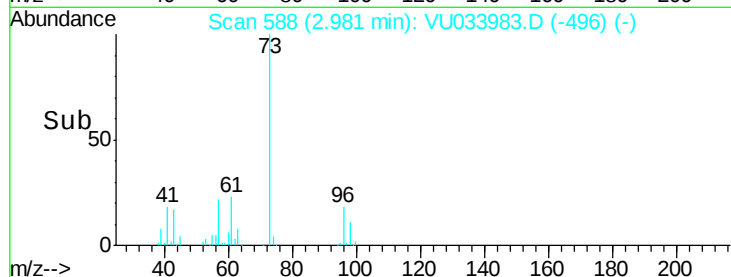
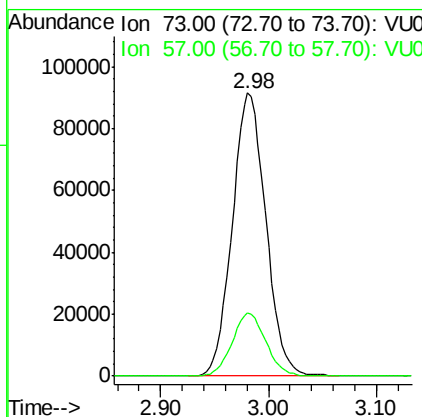
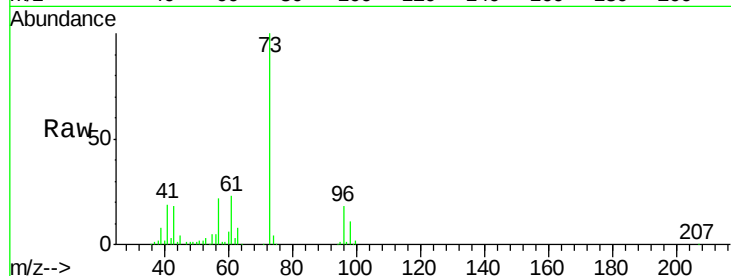
Methvl tert-butvl Ether
 Concen: 20.339 ug/l
 RT: 2.98 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.5	26.3

Manual Integrations
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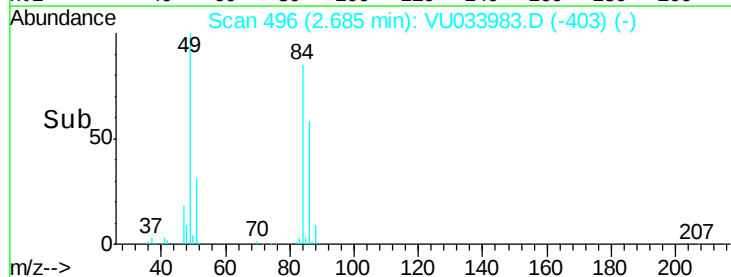
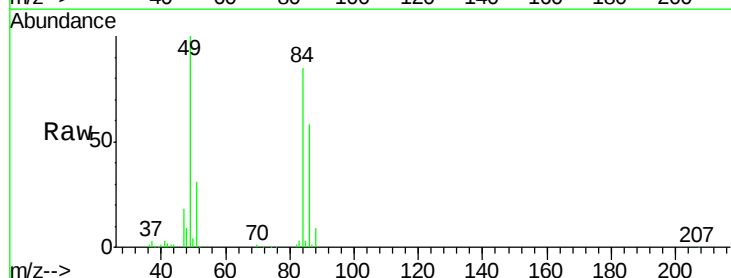
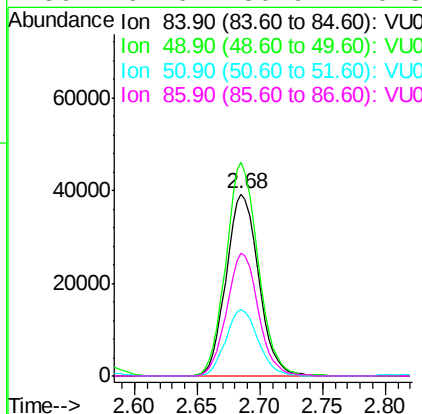
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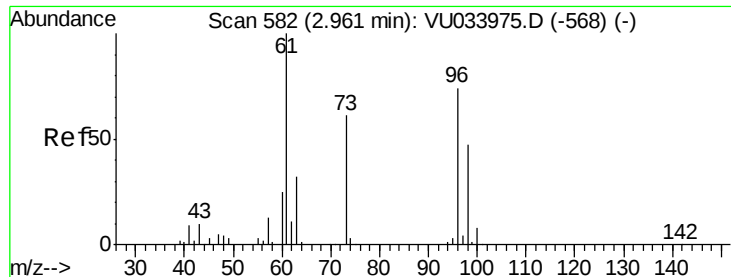


#20

Methylene Chloride
 Concen: 19.009 ug/l
 RT: 2.68 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.4	91.3	136.9
51	36.8	28.9	43.3
86	67.6	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 20.157 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

Tot Ion: 96 Resp: 66690

Ion Ratio Lower Upper

96 100

61 138.8 108.2 162.2

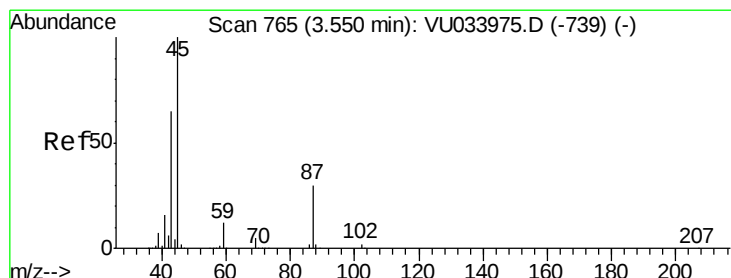
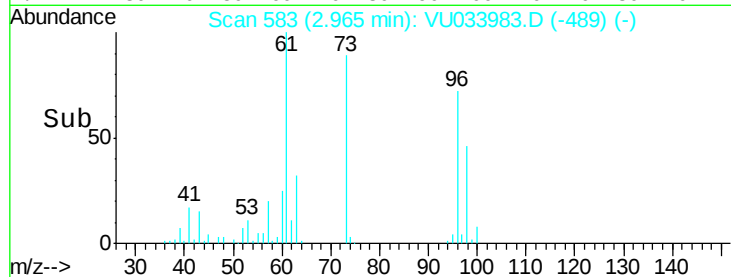
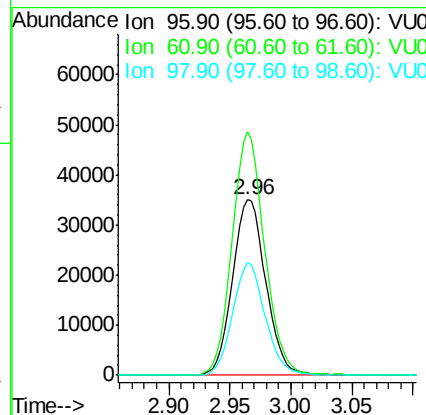
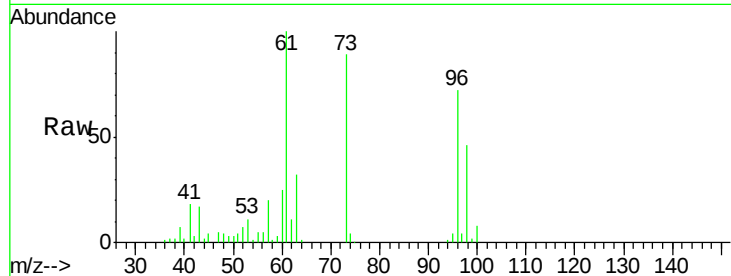
98 64.1 50.3 75.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.348 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Tgt Ion: 45 Resp: 192089

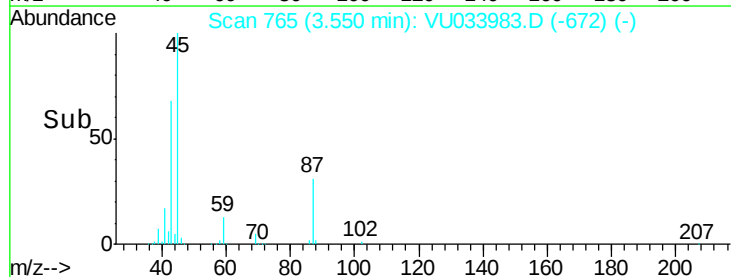
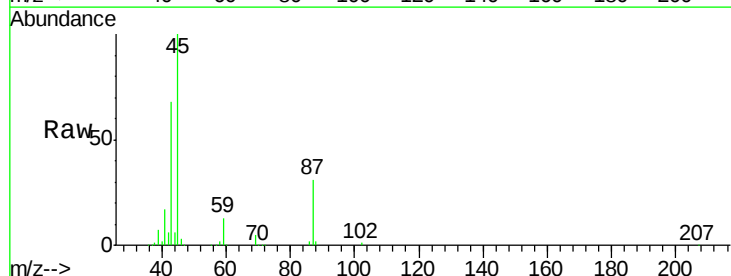
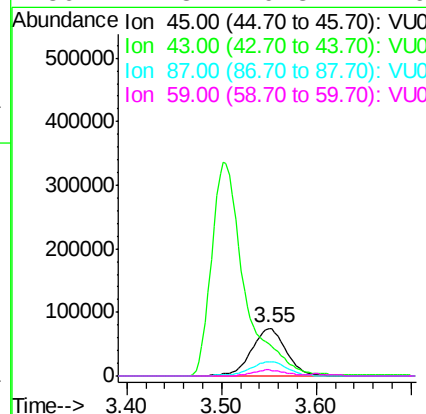
Ion Ratio Lower Upper

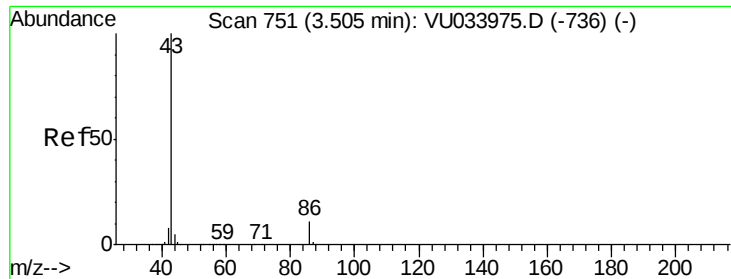
45 100

43 64.8 51.6 77.4

87 30.6 24.4 36.6

59 12.8 9.8 14.6





#23

Vinyl Acetate

Concen: 101.871 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Tot Ion: 43 Resp: 817007

Ion Ratio Lower Upper

43 100

86 11.3 9.1 13.7

Instrument :

MSVOA_U

ClientSampleId :

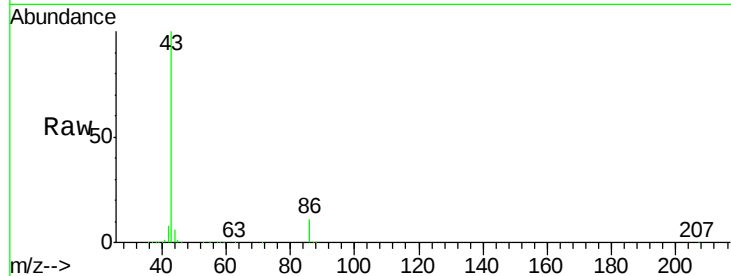
VU0828WBSD01

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU033975.D (-736) (-)

Ion 86.00 (85.70 to 86.70): VU033975.D (-736) (-)

3.50

400000

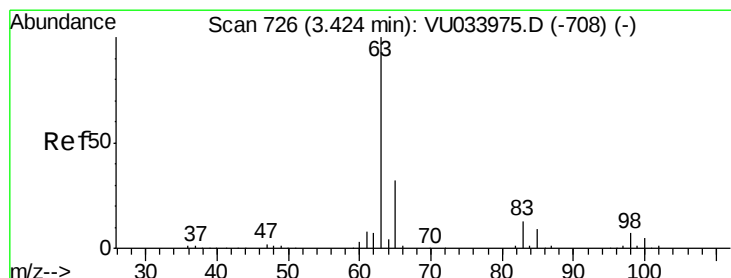
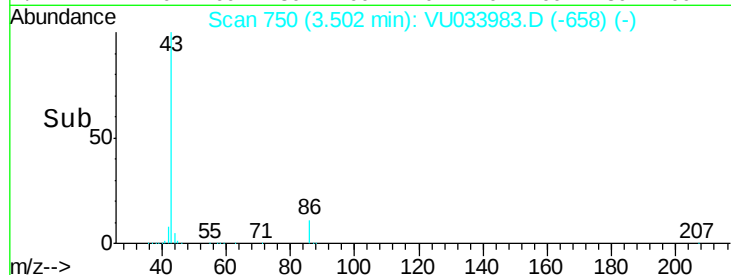
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.907 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

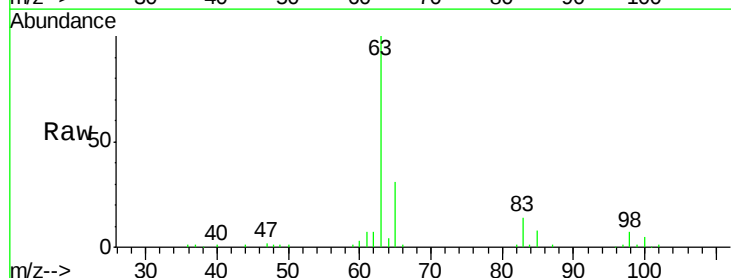
Tgt Ion: 63 Resp: 117660

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.7 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VU033975.D (-708) (-)

Ion 97.90 (97.60 to 98.60): VU033975.D (-708) (-)

Ion 99.90 (99.60 to 100.60): VU033975.D (-708) (-)

3.42

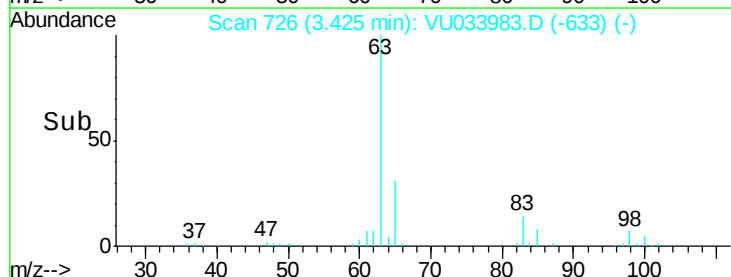
60000

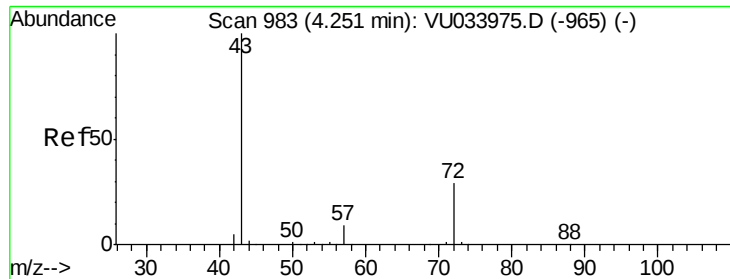
40000

20000

0

Time-->





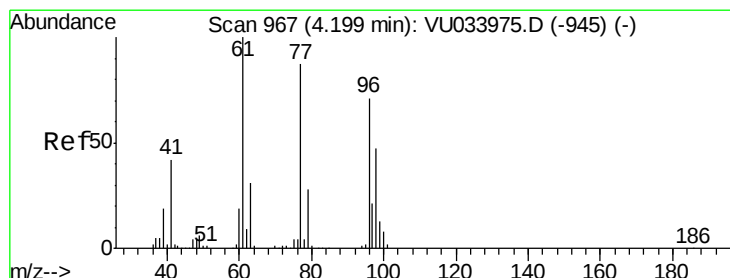
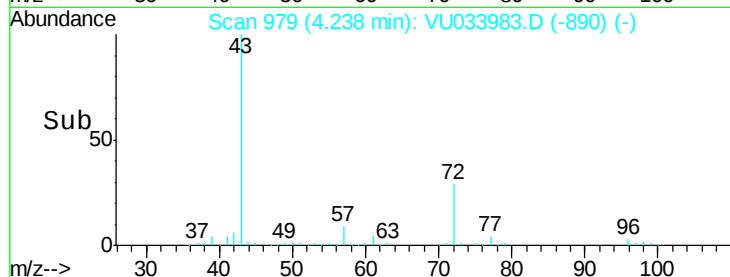
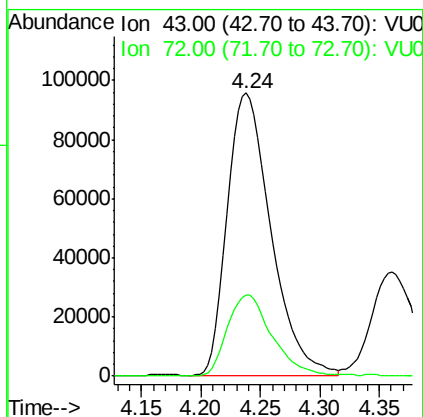
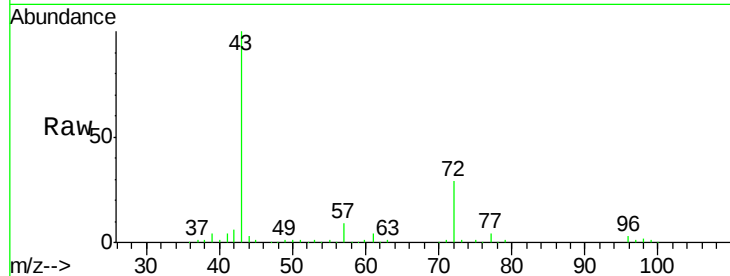
#25
2-Butanone
Concen: 96.541 ug/l
RT: 4.24 min Scan# 979
Delta R.T. -0.01 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tot Ion: 43 Resp: 242469
Ion Ratio Lower Upper
43 100
72 28.4 22.9 34.3

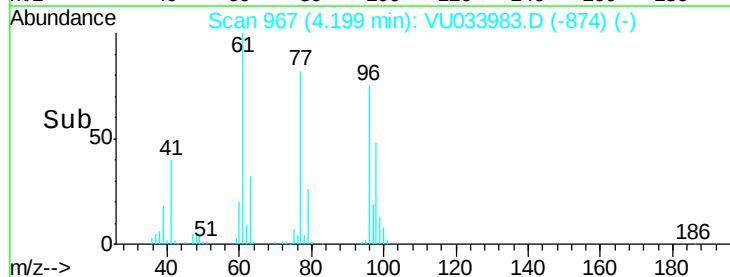
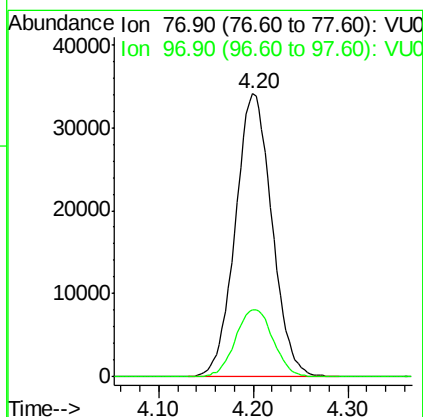
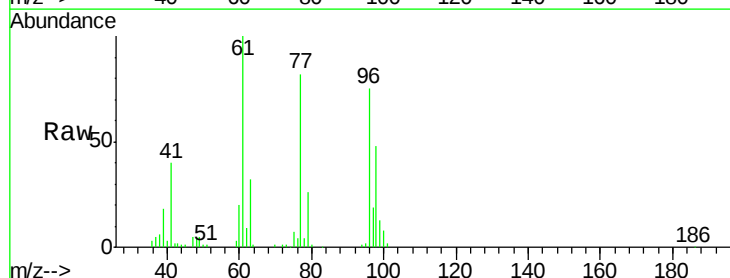
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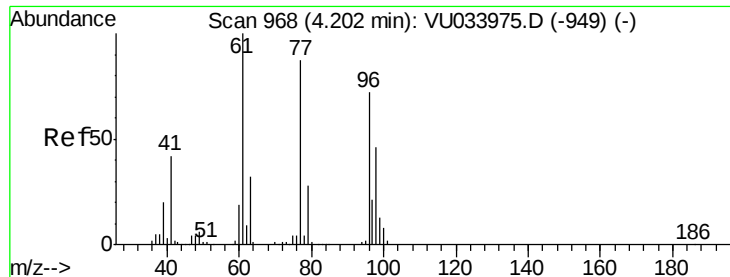
MMDadoda
8/28/2019 9:58:08 AM



#26
2,2-Dichloropropane
Concen: 18.349 ug/l
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion: 77 Resp: 91701
Ion Ratio Lower Upper
77 100
97 24.4 12.0 36.0





#27

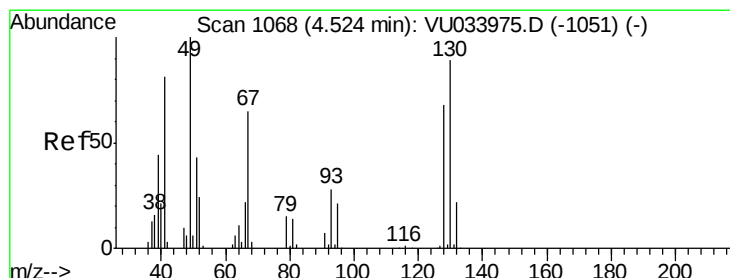
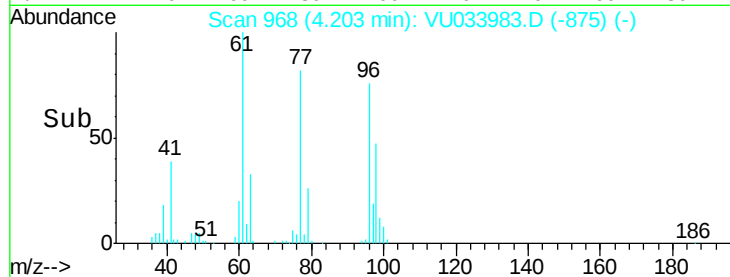
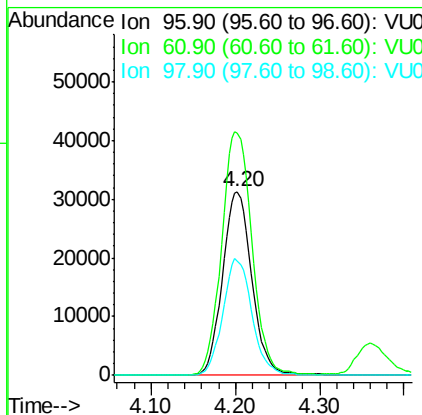
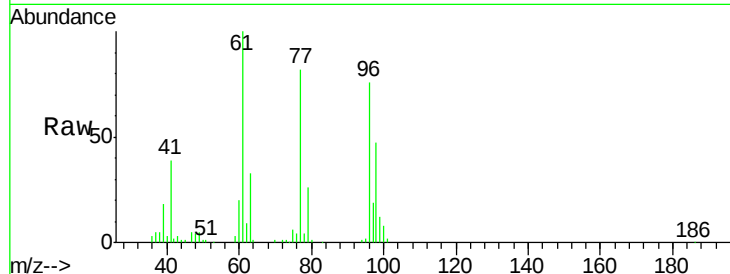
cis-1,2-Dichloroethene
Concen: 20.433 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	287.2
98	62.9	0.0	131.8

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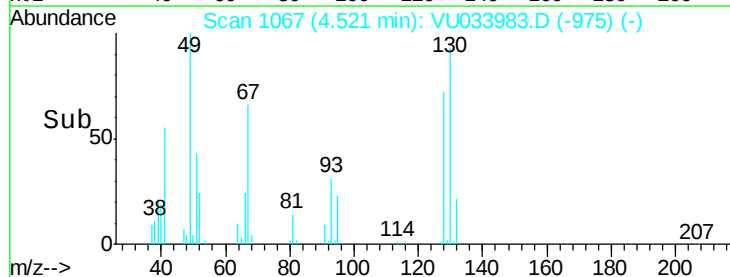
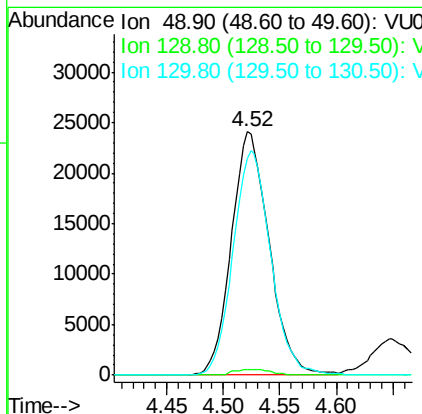
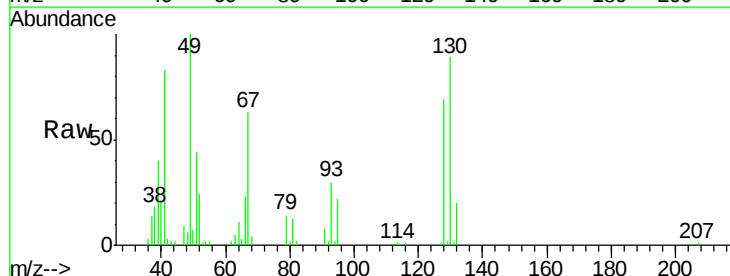
MMDadoda
8/28/2019 9:58:08 AM

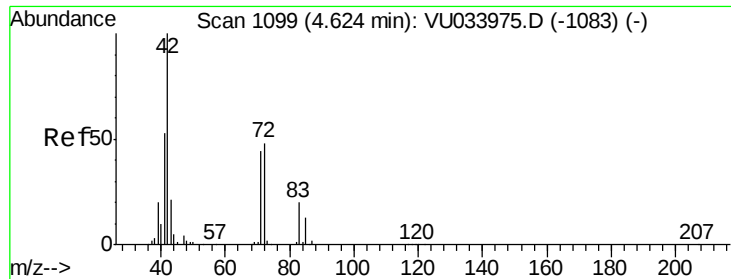


#28

Bromochloromethane
Concen: 20.581 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.6
130	91.6	71.0	106.6





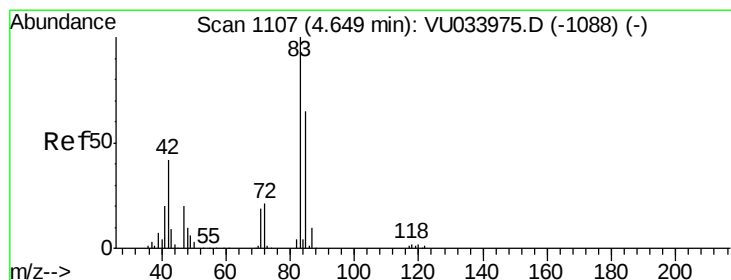
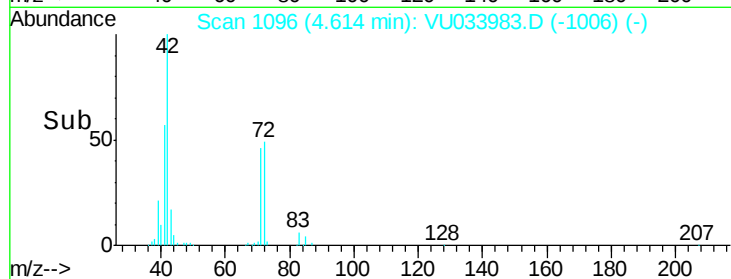
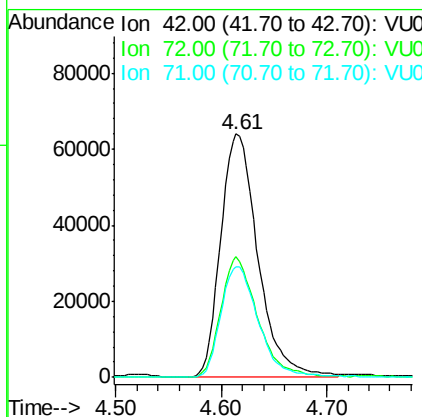
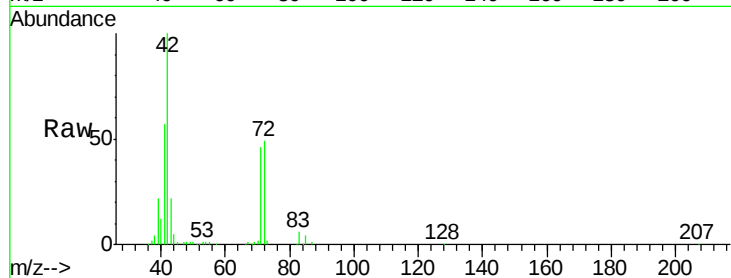
#29
Tetrahydrofuran
Concen: 99.109 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.3	38.9	58.3
71	46.3	35.7	53.5

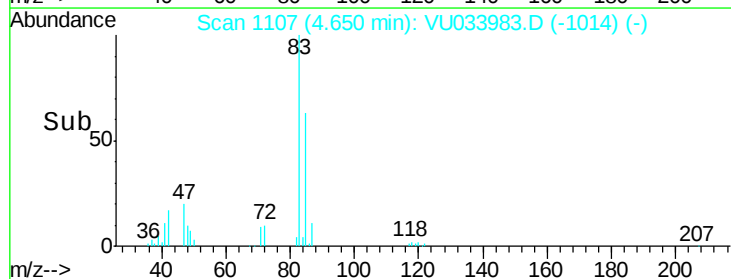
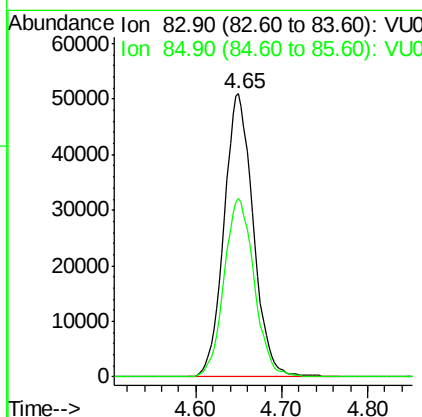
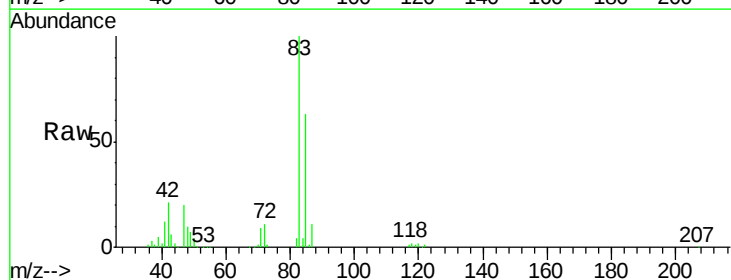
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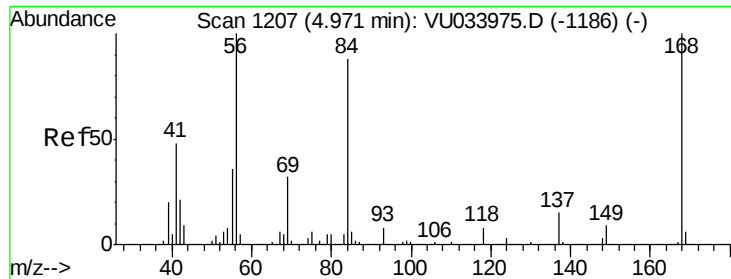
MMDadoda
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#30
Chloroform
Concen: 19.862 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.1	78.1





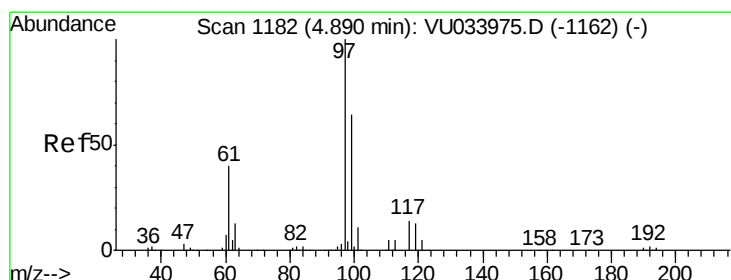
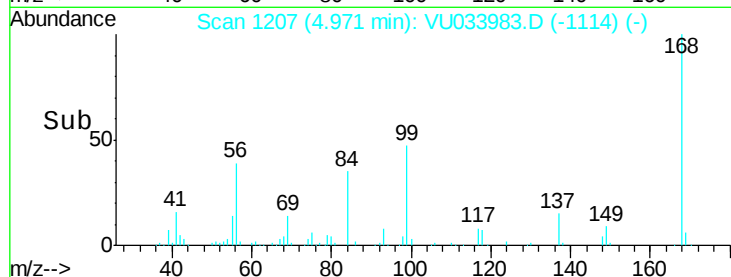
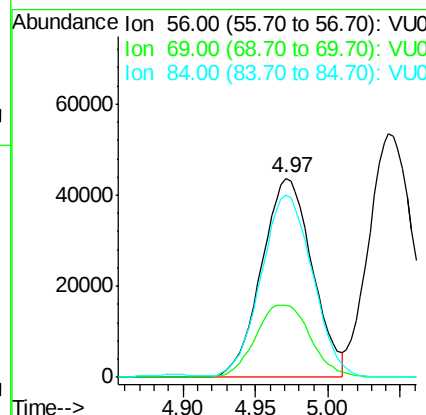
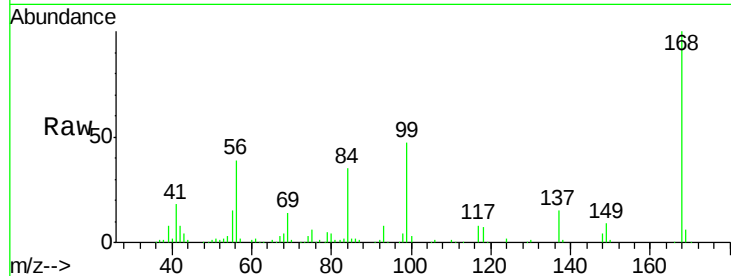
#31
Cyclohexane
Concen: 19.690 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	25.9	38.9
84	90.9	70.4	105.6

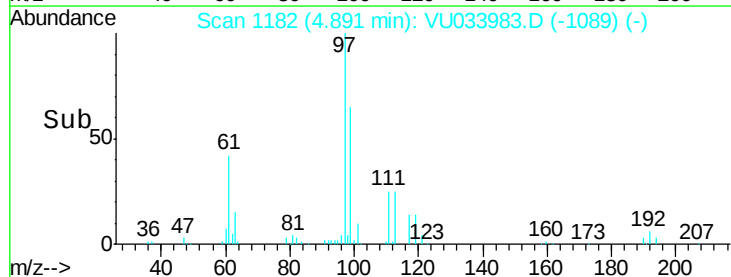
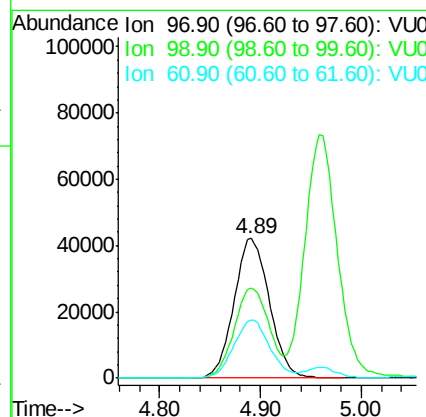
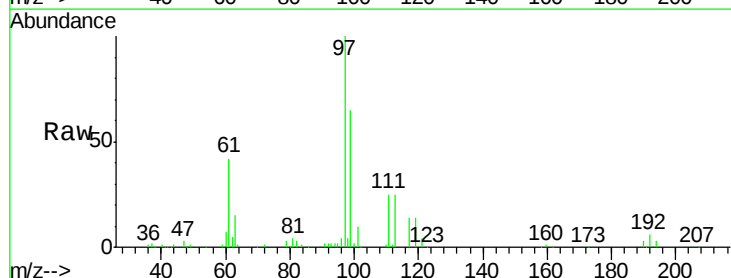
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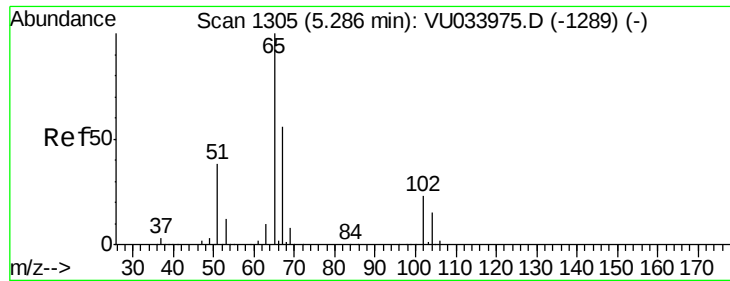
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#32
1,1,1-Trichloroethane
Concen: 20.160 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	42.3	32.7	49.1





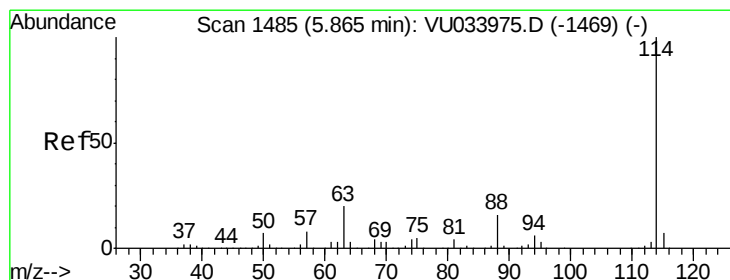
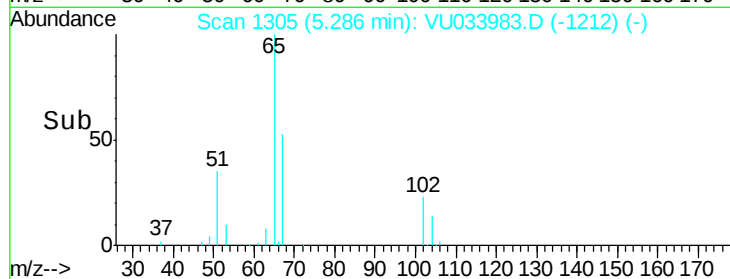
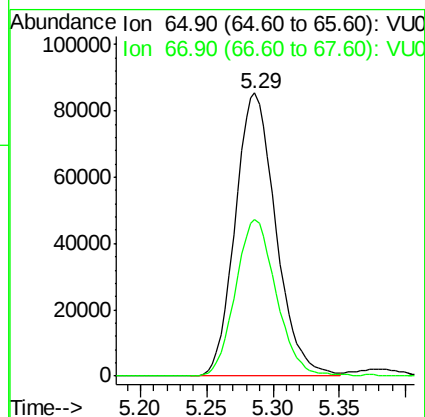
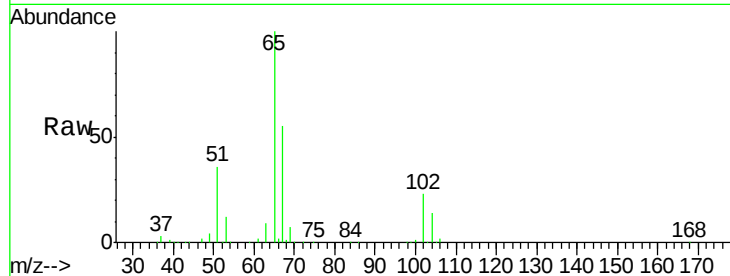
#33
 1,2-Dichloroethane-d4
 Concen: 49.681 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.6	0.0	111.0	

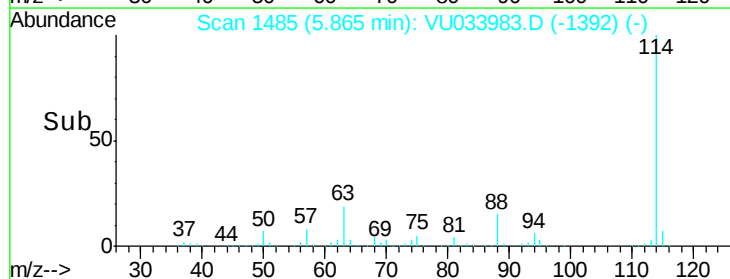
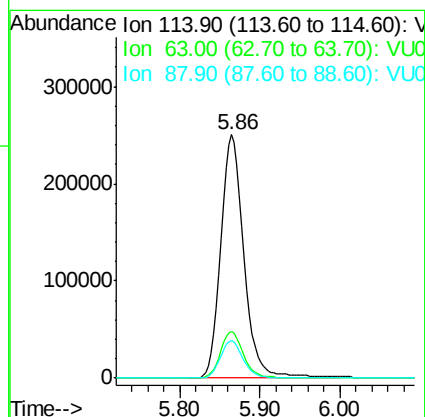
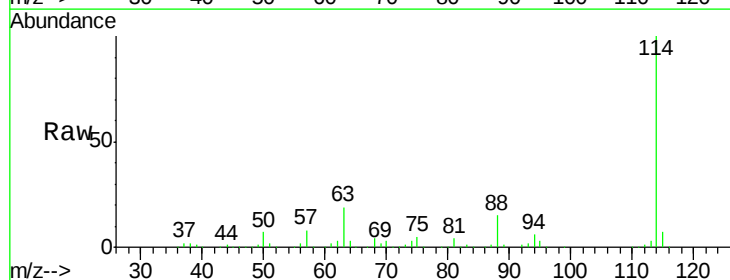
Manual Integrations
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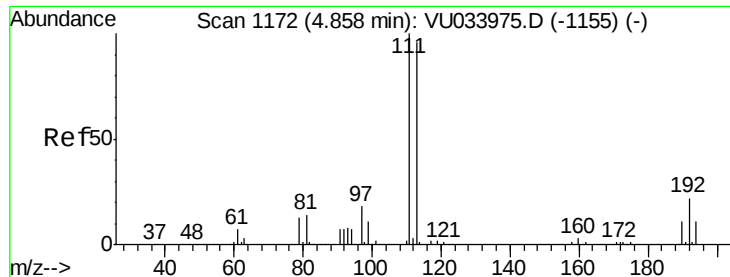
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 8/28/2019 9:58:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	39.0	
88	15.3	0.0	31.2	





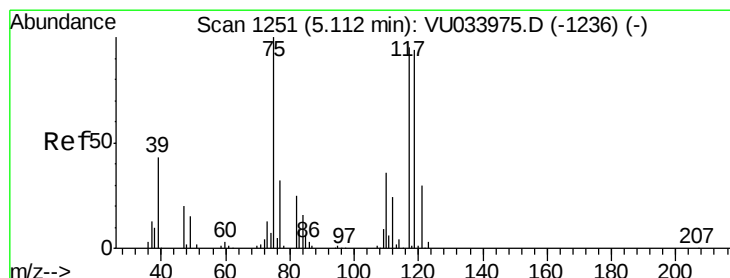
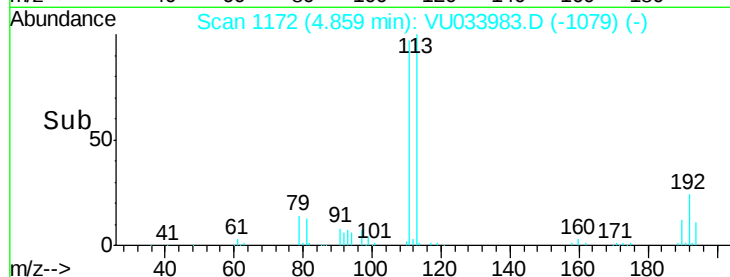
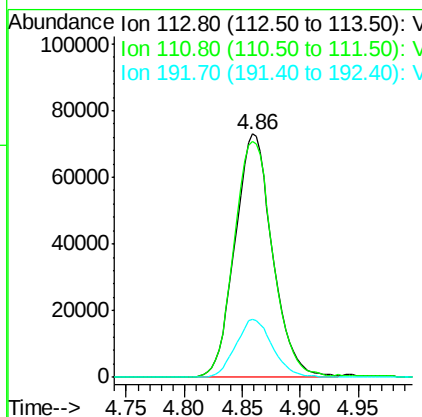
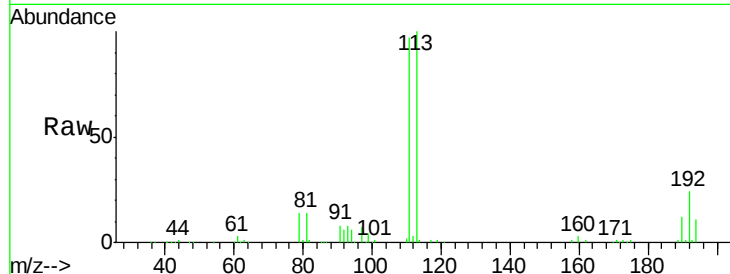
#35
Dibromofluoromethane
Concen: 48.563 ug/l
RT: 4.86 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	164254		
111	100.1	81.7	122.5	
192	23.6	18.6	27.8	

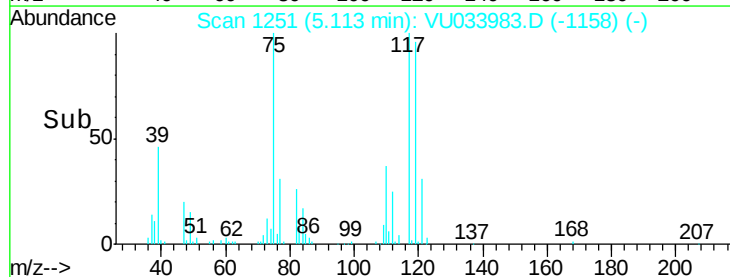
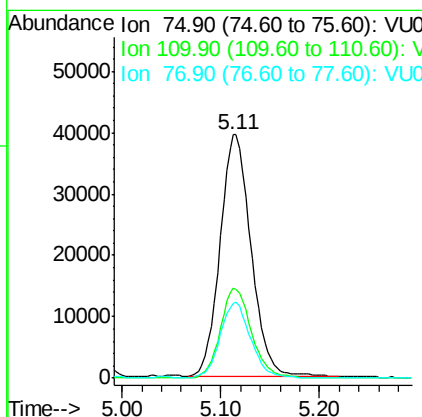
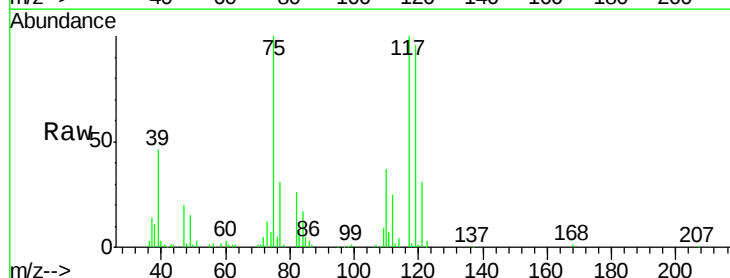
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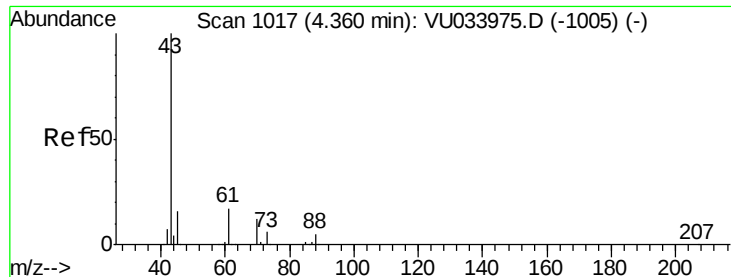
MMDadoda
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#36
1,1-Dichloropropene
Concen: 18.888 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	87046		
110	37.1	18.2	54.6	
77	31.0	24.8	37.2	





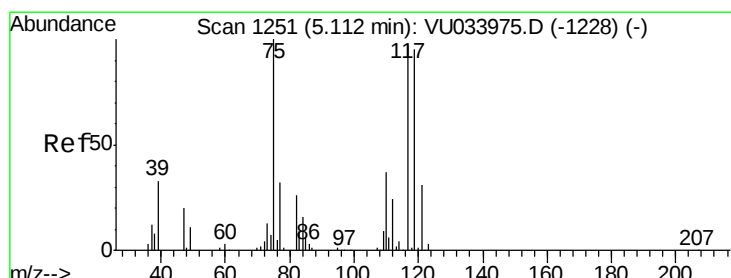
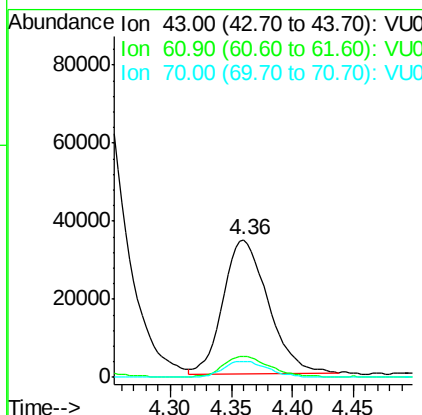
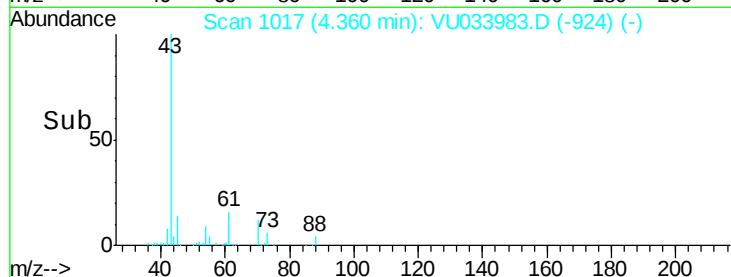
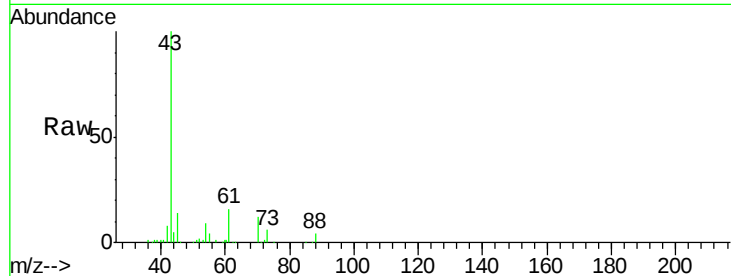
#37
Ethyl Acetate
Concen: 19.047 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.0	18.0
70	12.2	9.2	13.8

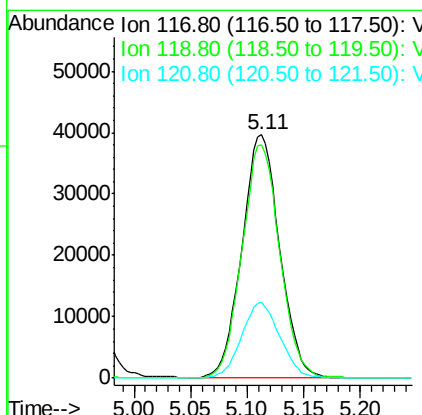
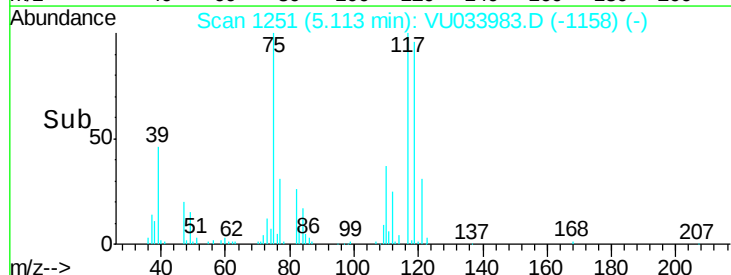
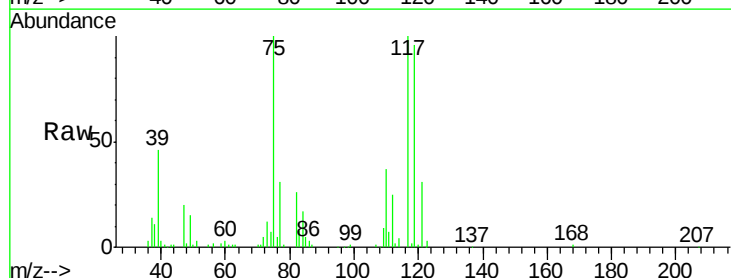
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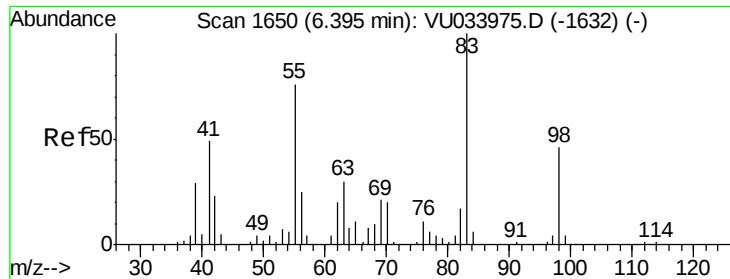
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#38
Carbon Tetrachloride
Concen: 19.625 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.4	117.6
121	31.0	25.4	38.2





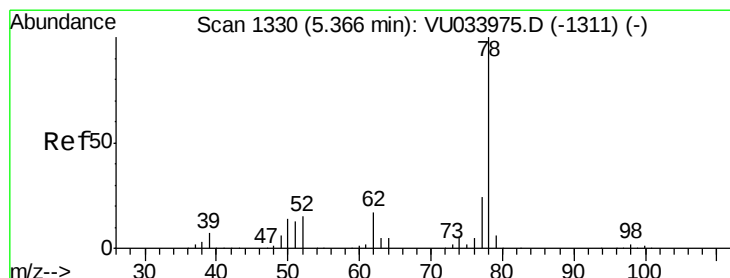
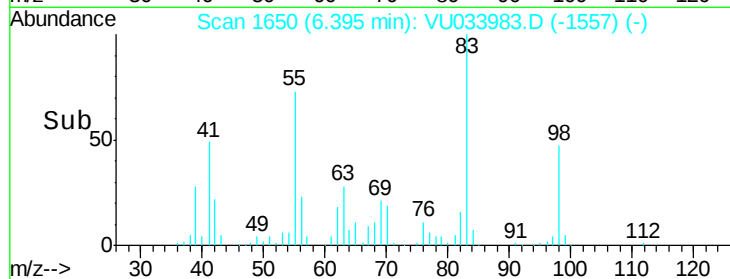
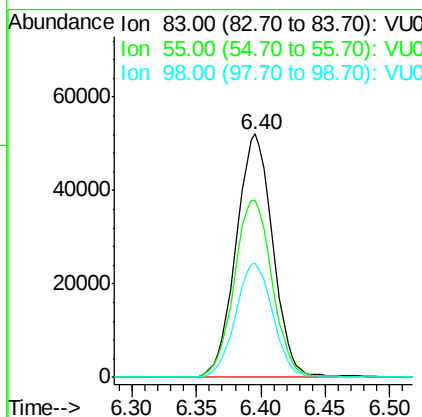
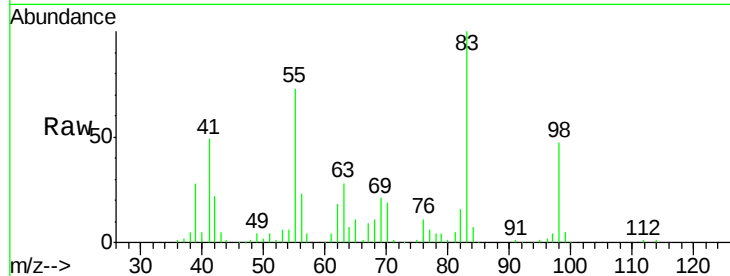
#39
Methylvlcyclohexane
Concen: 18.942 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tot Ion	83	Resp	103295
Ion Ratio	Lower	Upper	
83	100		
55	72.9	60.8	91.2
98	46.7	36.5	54.7

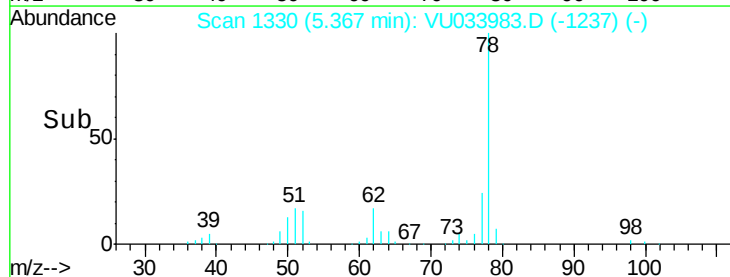
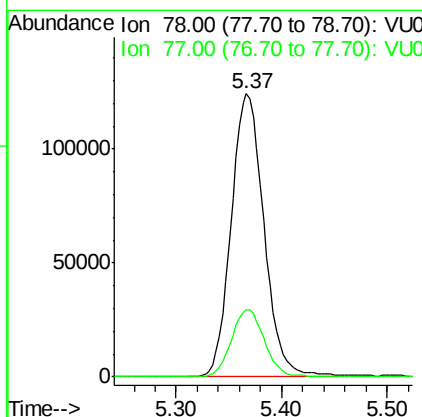
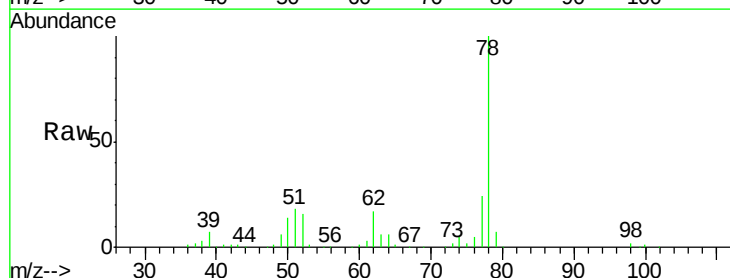
Manual Integrations
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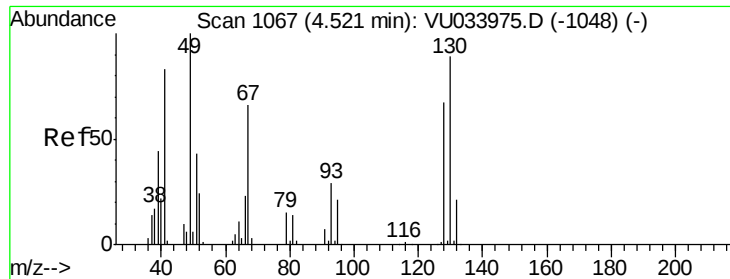
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8/28/2019 9:58:08 AM



#40
Benzene
Concen: 19.530 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	78	Resp	267605
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.2	28.8





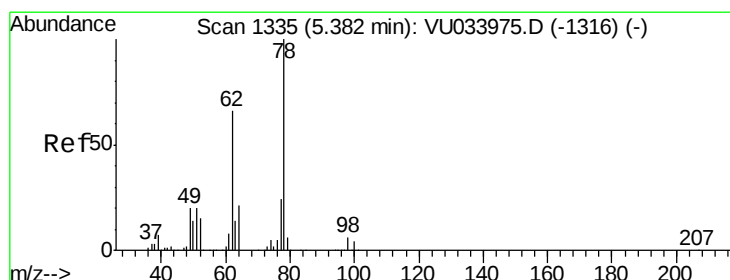
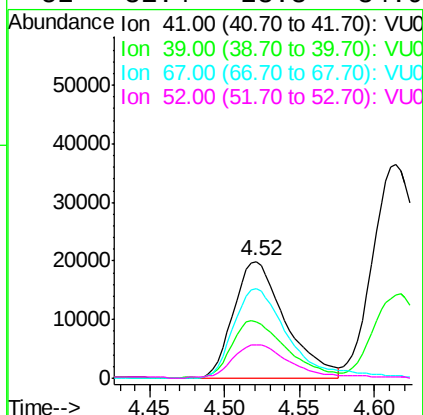
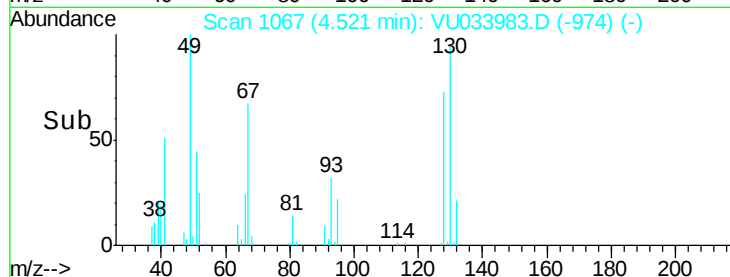
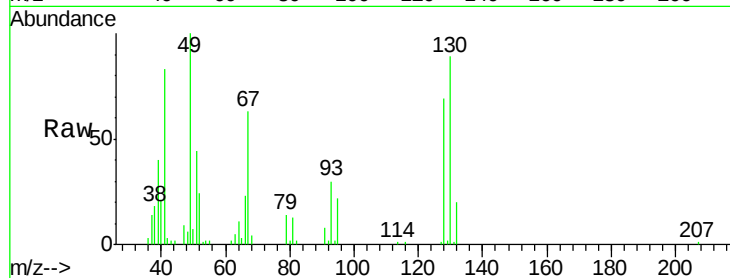
#41
Methacrylonitrile
Concen: 20.090 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleID :
VU0828WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		48120		
39	50.9	41.5	62.3		
67	81.8	65.0	97.6		
52	31.4	23.3	34.9		

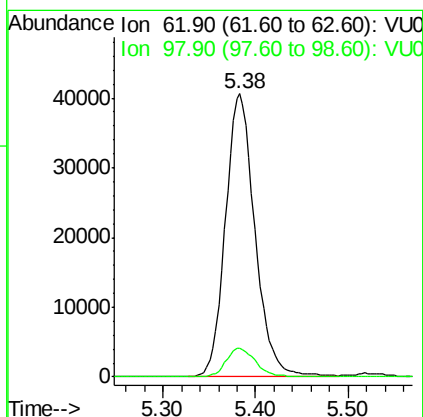
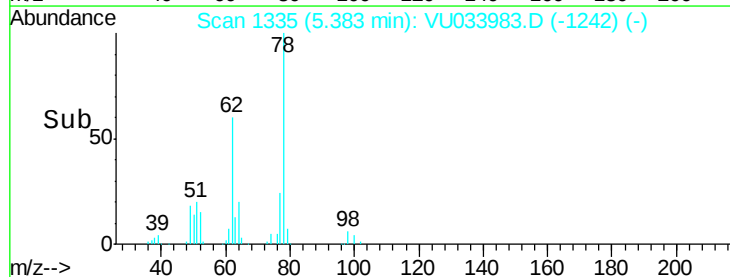
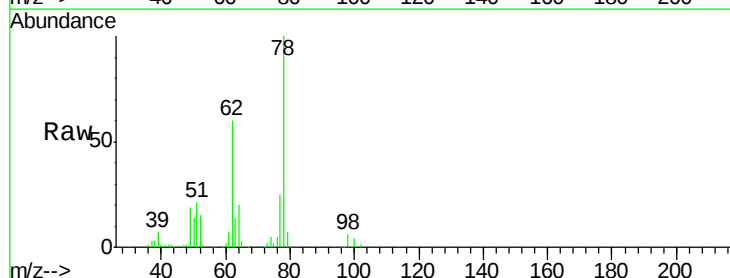
Manual Integrations
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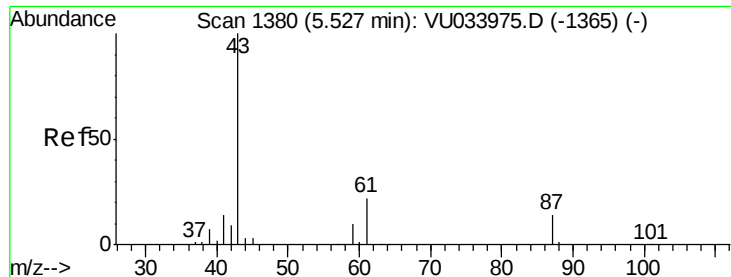
MMDadoda
8/28/2019 9:58:08 AM



#42
1,2-Dichloroethane
Concen: 19.391 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		89850		
98	10.1	0.0	20.0		





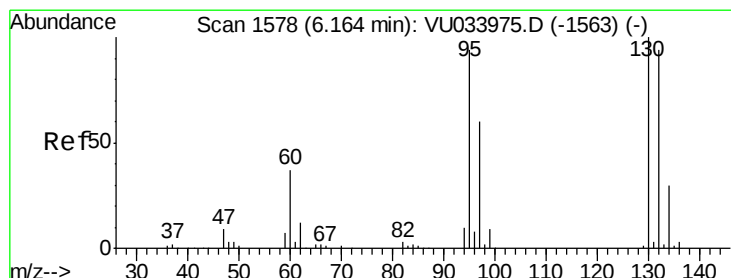
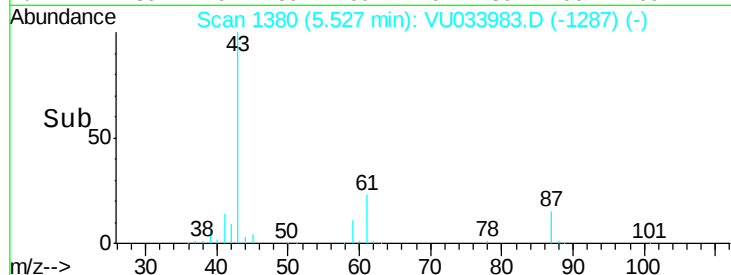
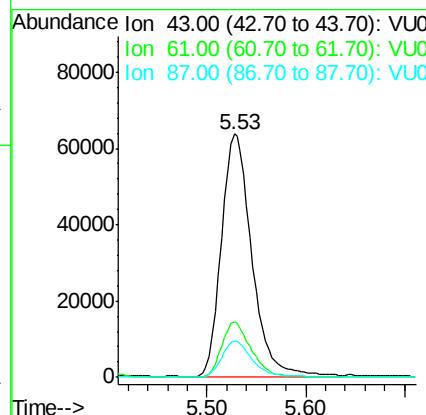
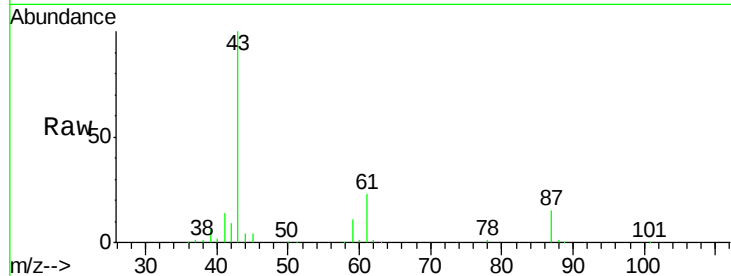
#43
Isopropyl Acetate
Concen: 19.375 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tot Ion	43	Resp	137321
Ion Ratio	100	Lower	Upper
43	100		
61	22.3	17.8	26.8
87	14.8	11.9	17.9

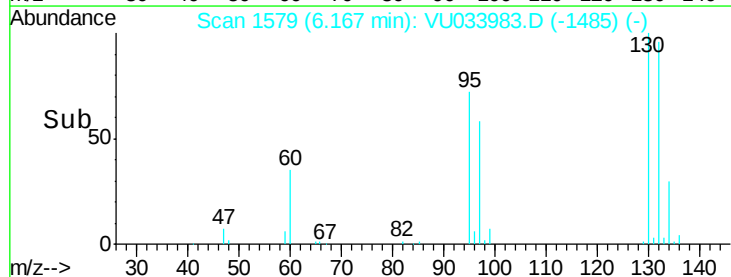
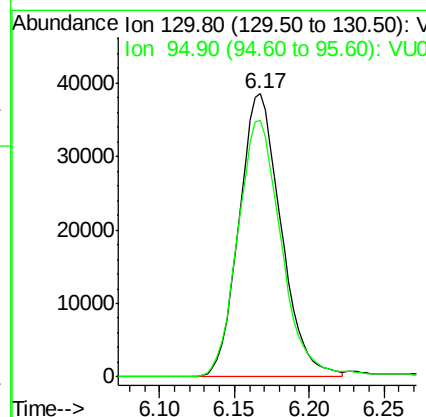
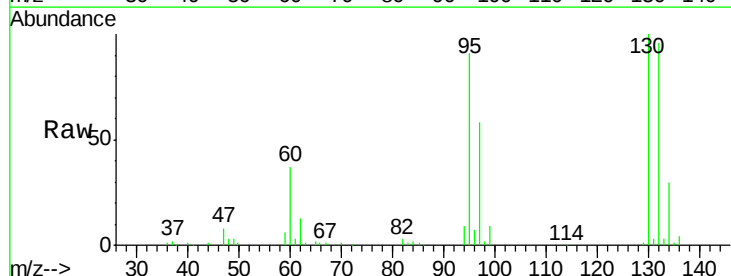
Manual Integrations
APPROVED

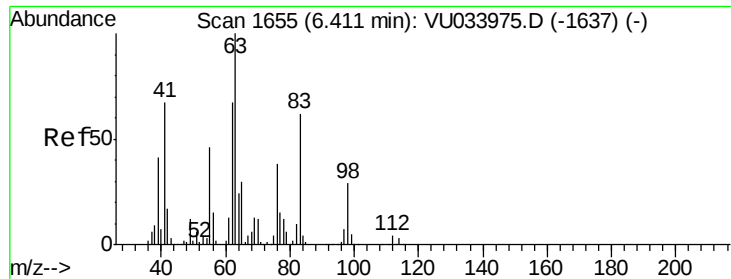
MMDadoda
8/28/2019 9:58:08 AM



#44
Trichloroethene
Concen: 19.297 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	130	Resp	75391
Ion Ratio	100	Lower	Upper
130	100		
95	90.6	0.0	187.6





#45

1,2-Dichloropropane

Concen: 19.364 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

Tot Ion: 63 Resp: 70984

Ion Ratio Lower Upper

63 100

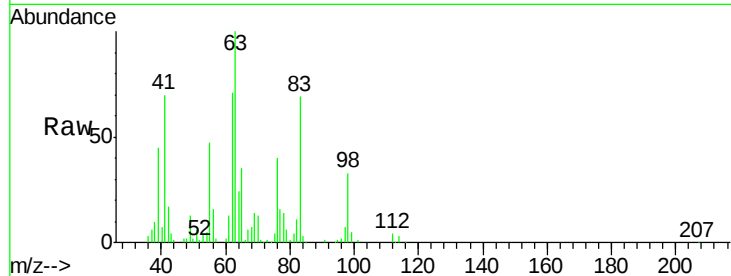
65 34.5 24.3 36.5

Manual Integrations

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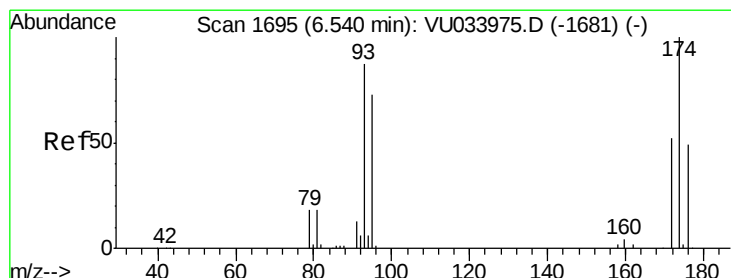
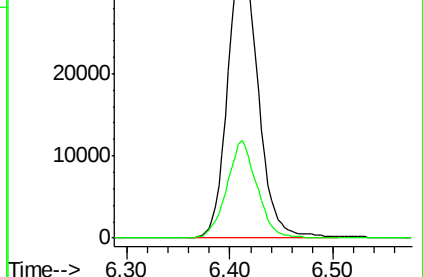
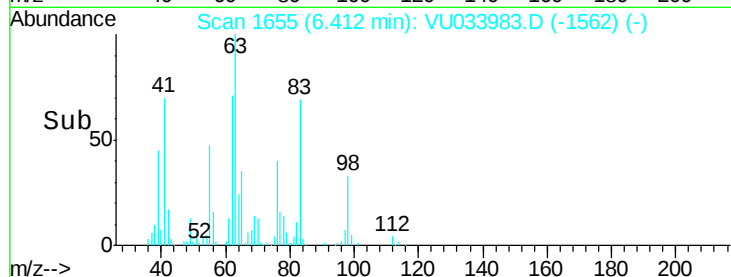


Abundance Ion 62.90 (62.60 to 63.60): VU033983.D (-1562) (-)

Ion 64.90 (64.60 to 65.60): VU033983.D (-1562) (-)

6.41

Time-->



#46

Dibromomethane

Concen: 19.384 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

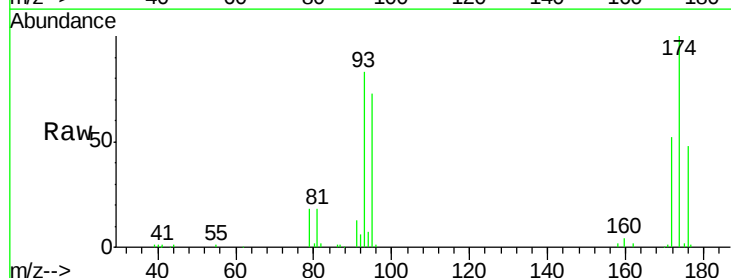
Tgt Ion: 93 Resp: 48325

Ion Ratio Lower Upper

93 100

95 84.0 66.2 99.4

174 116.1 92.2 138.2



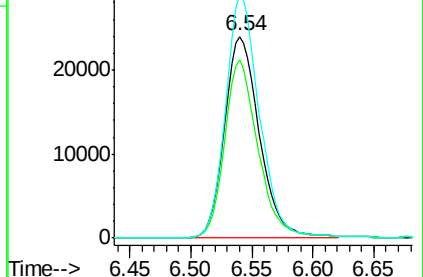
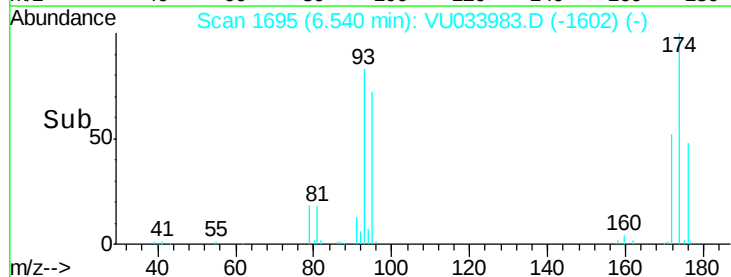
Abundance Ion 92.80 (92.50 to 93.50): VU033983.D (-1602) (-)

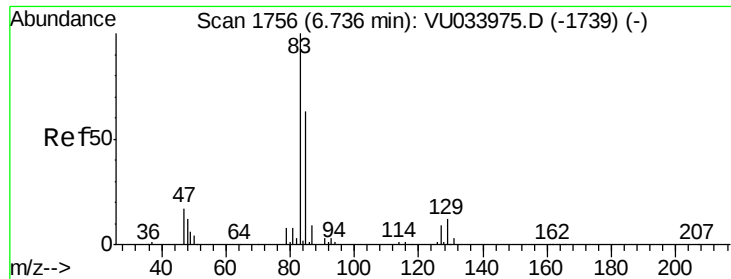
Ion 94.80 (94.50 to 95.50): VU033983.D (-1602) (-)

Ion 173.70 (173.40 to 174.40): VU033983.D (-1602) (-)

6.54

Time-->





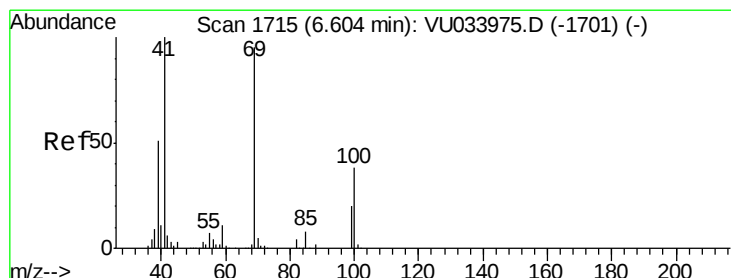
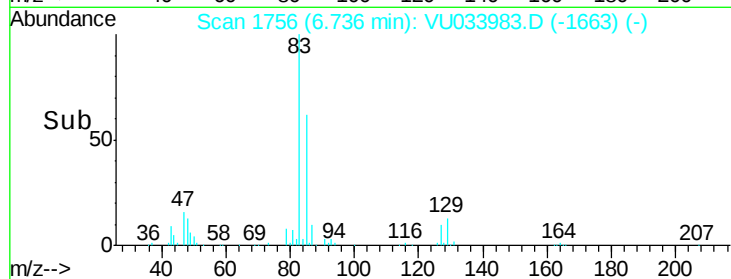
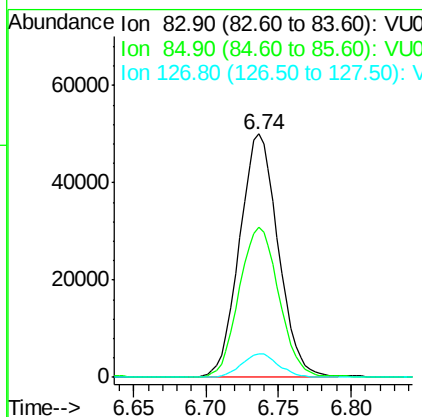
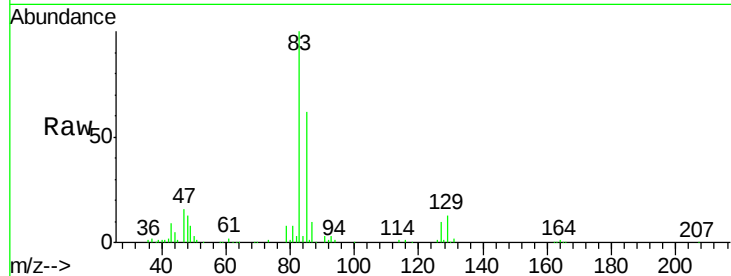
#47
Bromodichloromethane
Concen: 19.573 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.6	76.0
127	9.6	7.4	11.0

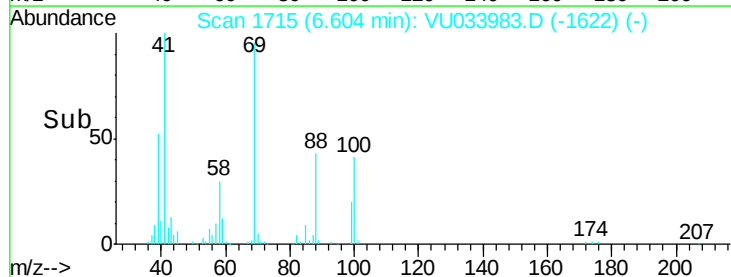
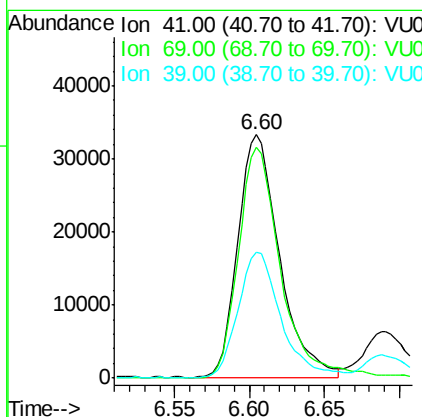
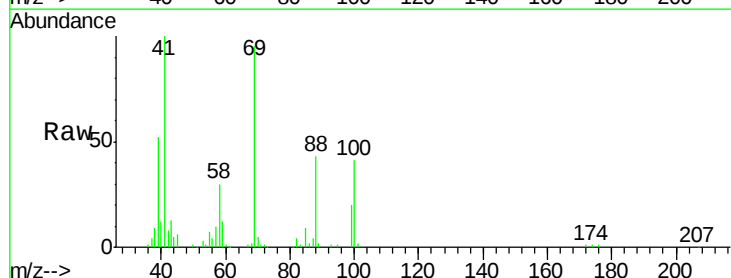
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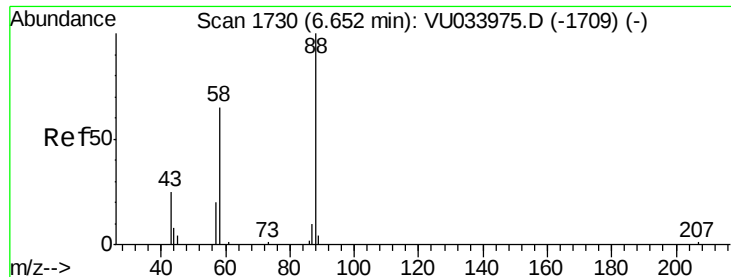
MMDadoda
8/28/2019 9:58:08 AM



#48
Methyl methacrylate
Concen: 19.284 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
41	100		
69	95.8	76.3	114.5
39	53.3	41.1	61.7





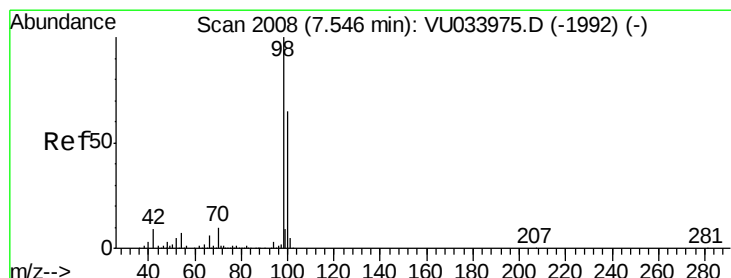
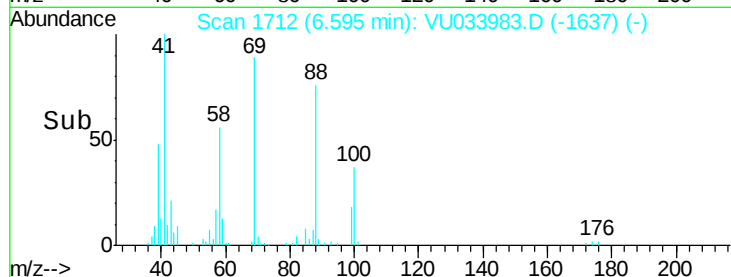
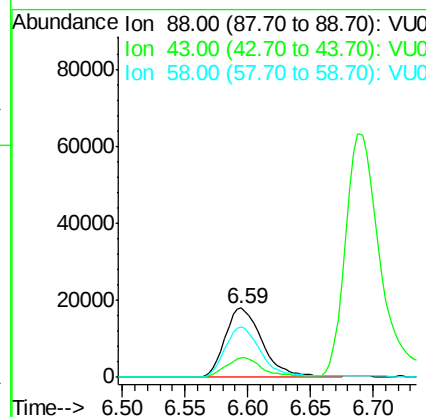
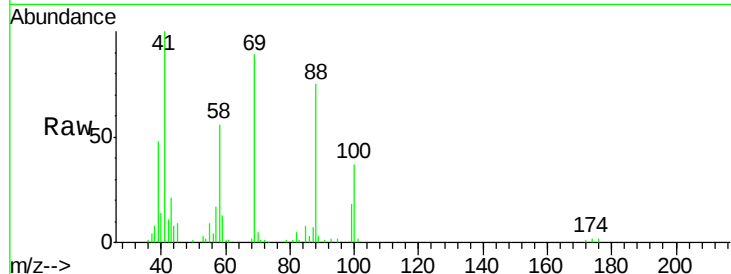
#49
1,4-Dioxane
Concen: 404.408 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. -0.06 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tot Ion	88	Resp	37400
Ion Ratio	Lower	Upper	
88	100		
43	28.3	0.0	0.0#
58	69.4	56.6	85.0

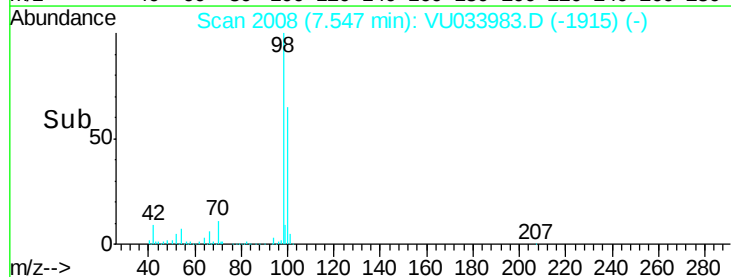
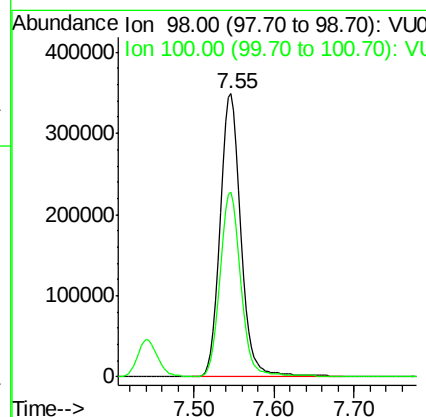
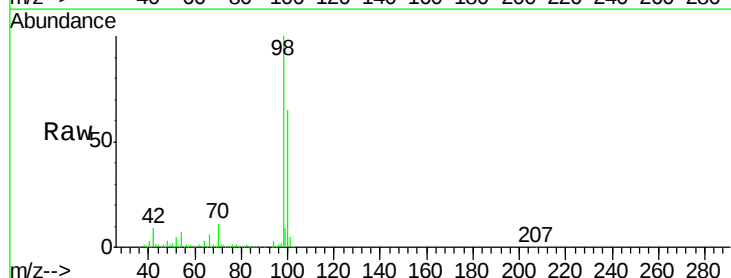
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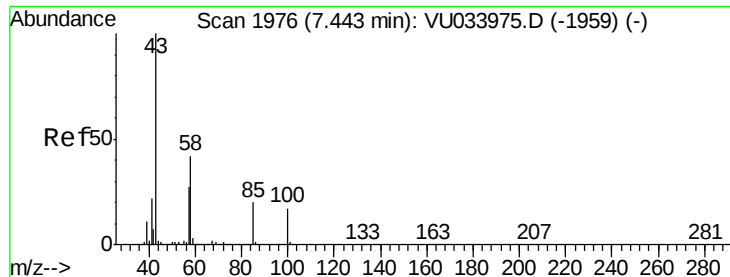
MMDadoda
8/28/2019 9:58:08 AM



#50
Toluene-d8
Concen: 50.720 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	98	Resp	632756
Ion Ratio	Lower	Upper	
98	100		
100	65.1	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 96.384 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

Tot Ion: 43 Resp: 470996

Ion Ratio Lower Upper

43 100

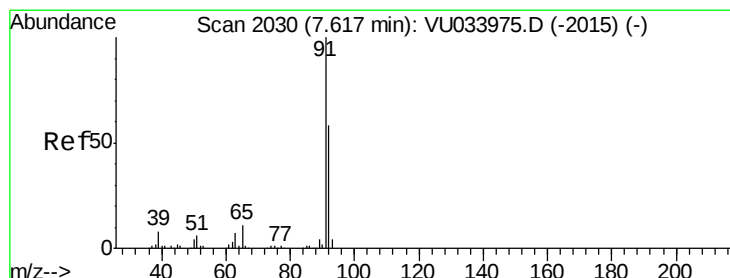
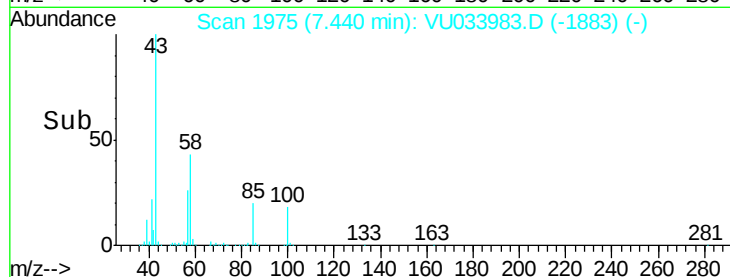
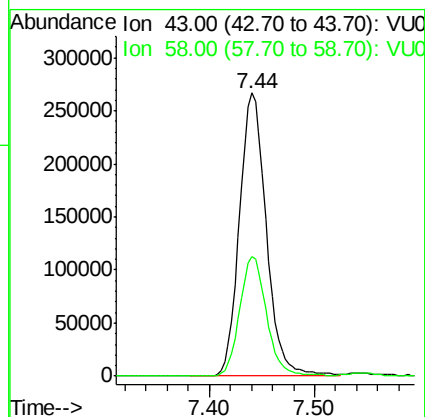
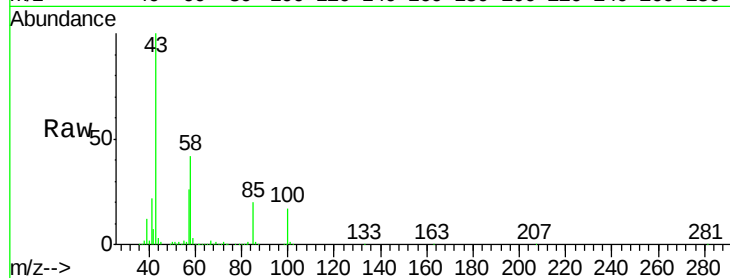
58 42.4 33.6 50.4

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#52

Toluene

Concen: 20.189 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033983.D

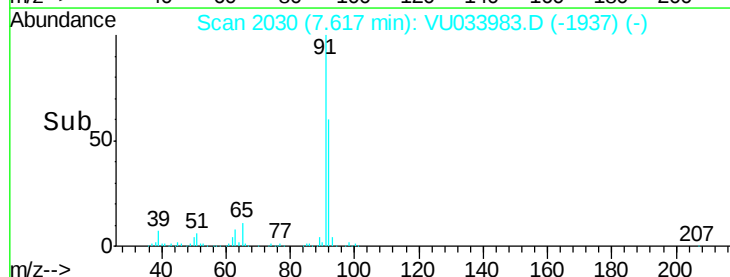
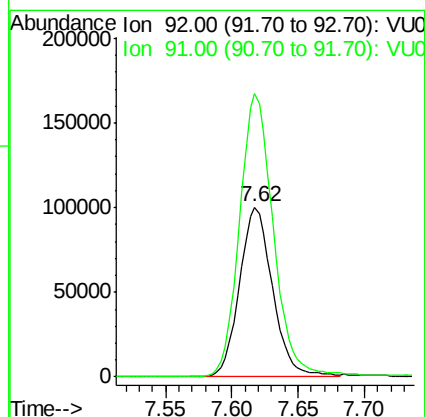
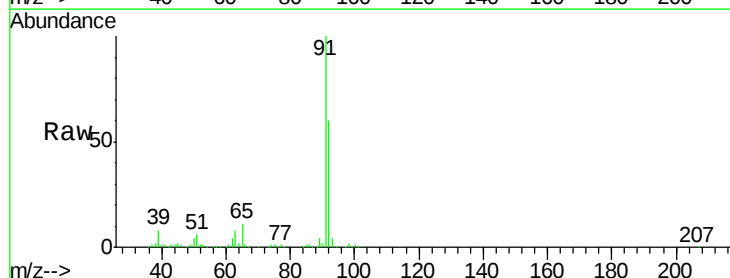
Acq: 27 Aug 2019 19:29

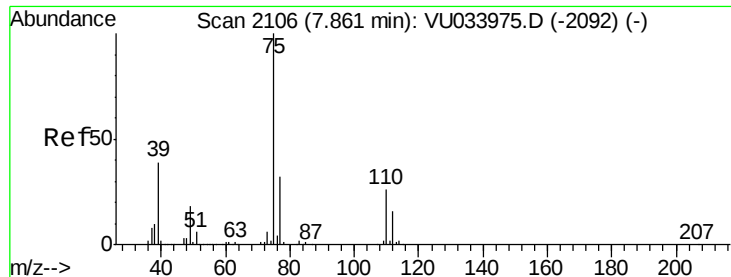
Tgt Ion: 92 Resp: 174437

Ion Ratio Lower Upper

92 100

91 171.5 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 18.936 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

Tot Ion: 75 Resp: 99436

Ion Ratio Lower Upper

75 100

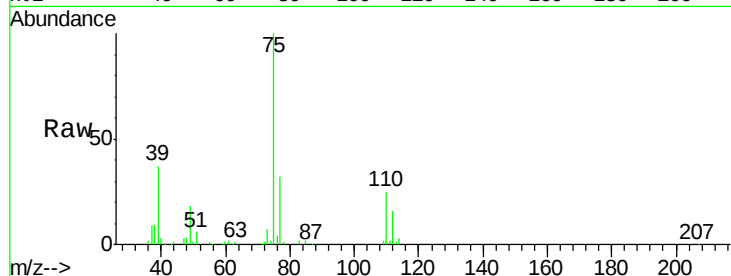
77 31.9 25.4 38.2

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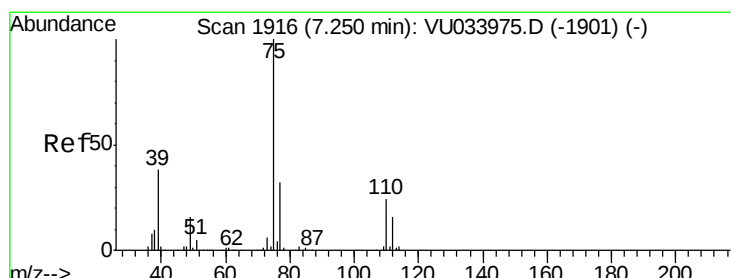
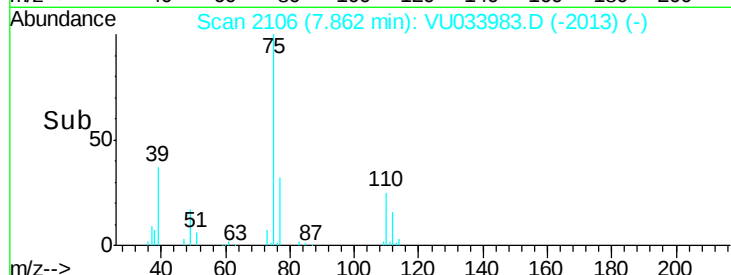
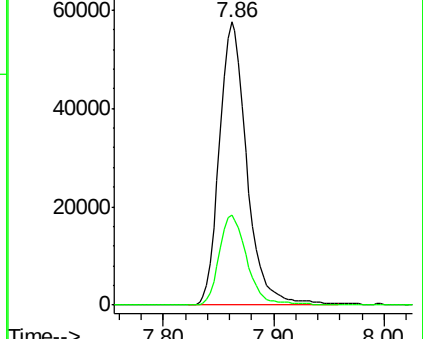
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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 19.604 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

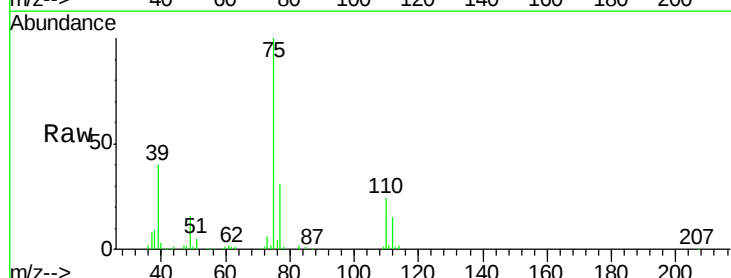
Tgt Ion: 75 Resp: 111277

Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4

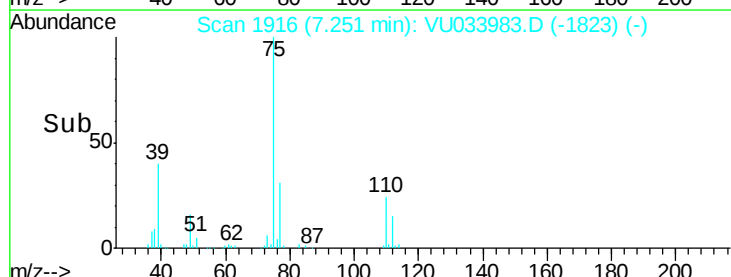
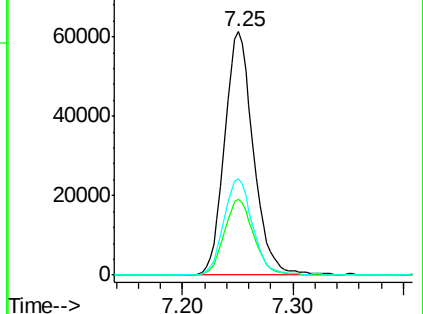
39 39.6 30.7 46.1

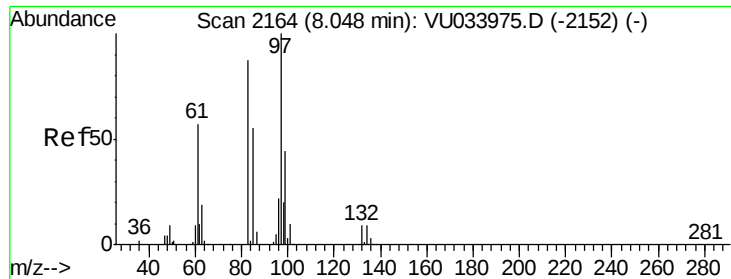


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





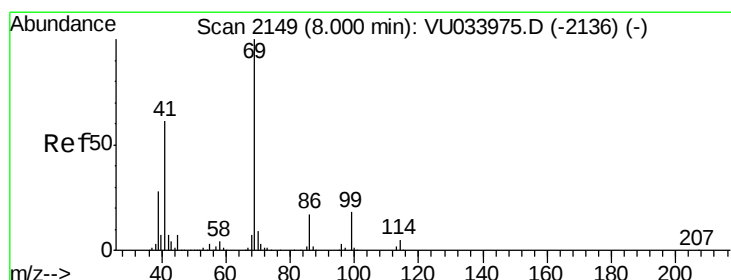
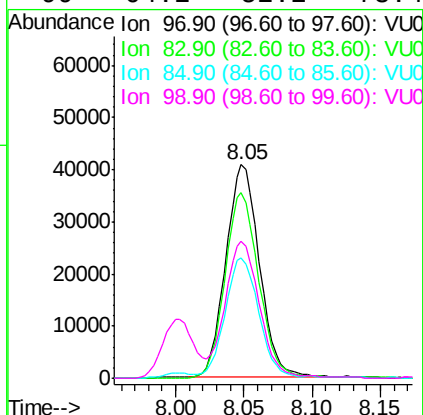
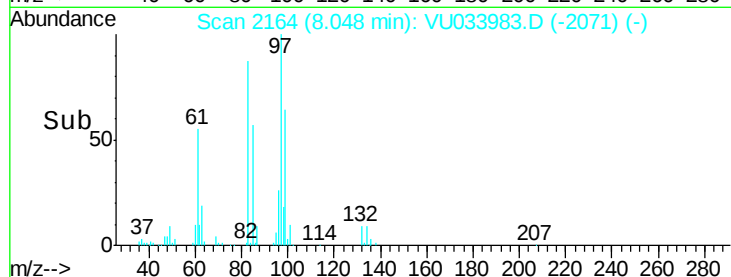
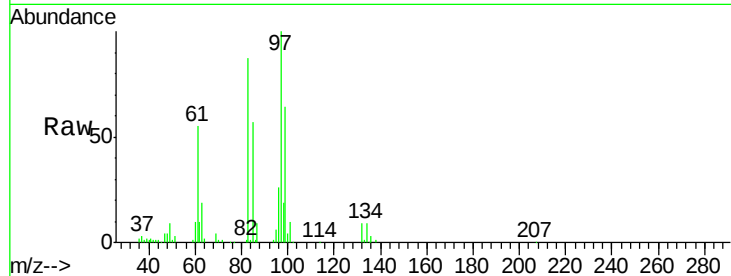
#55
 1,1,2-Trichloroethane
 Concen: 18.996 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

Tot Ion	97	Resp	69351
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.8	104.6
85	56.5	45.2	67.8
99	64.2	52.2	78.4

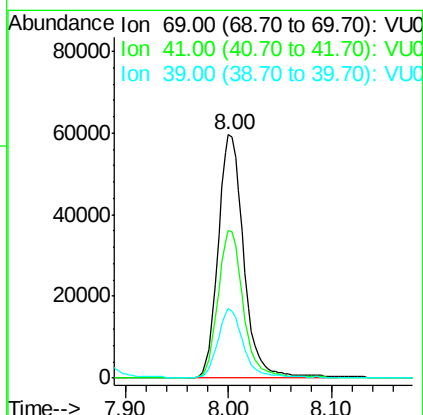
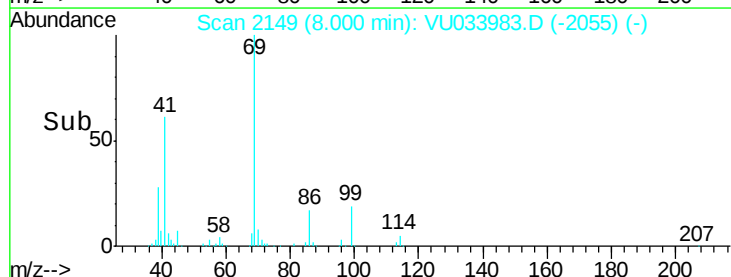
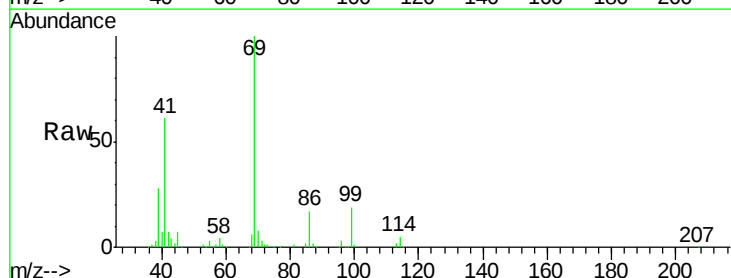
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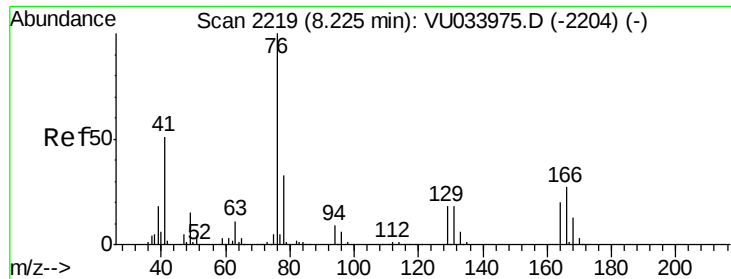
MMDadoda
 8/28/2019 9:58:08 AM



#56
 Ethyl methacrylate
 Concen: 19.496 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion	69	Resp	102909
Ion	Ratio	Lower	Upper
69	100		
41	59.4	48.6	72.8
39	27.7	22.4	33.6





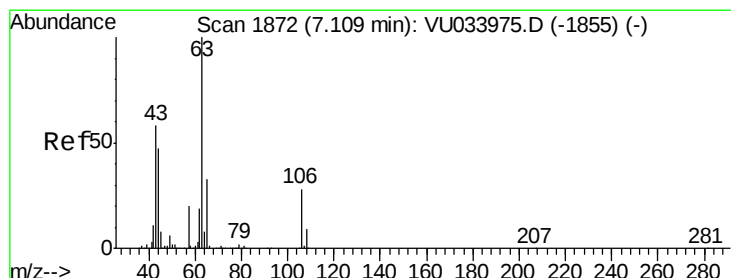
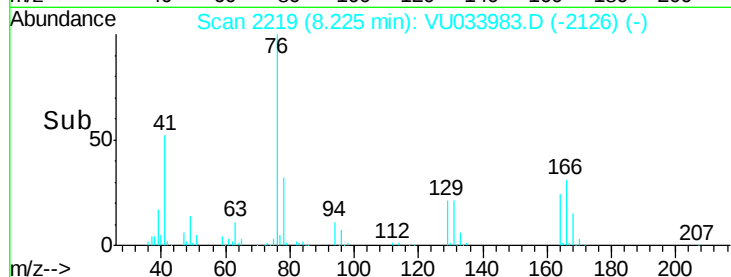
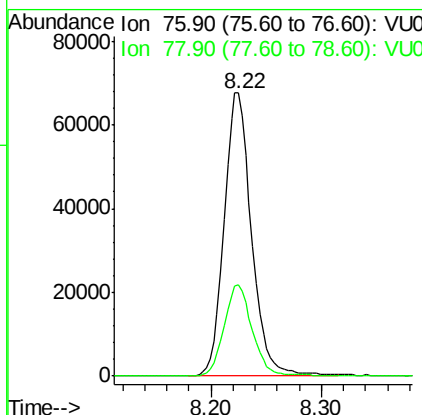
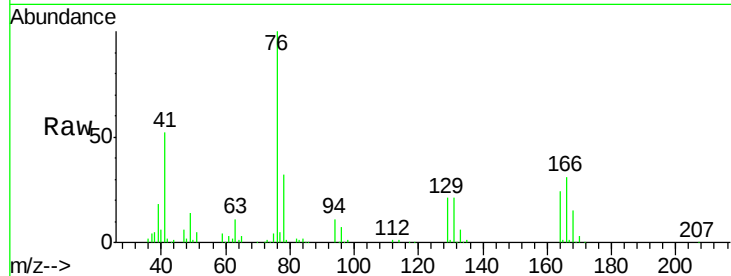
#57
 1,3-Dichloropropane
 Concen: 19.584 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

Tot Ion: 76 Resp: 116517
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5

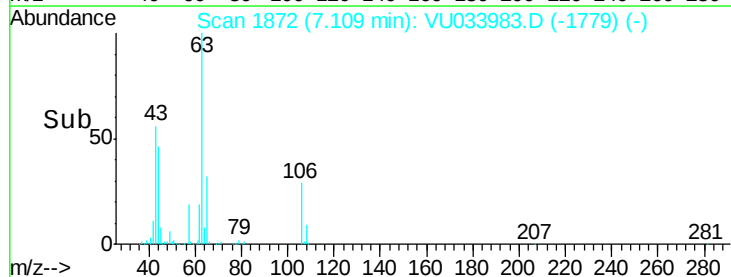
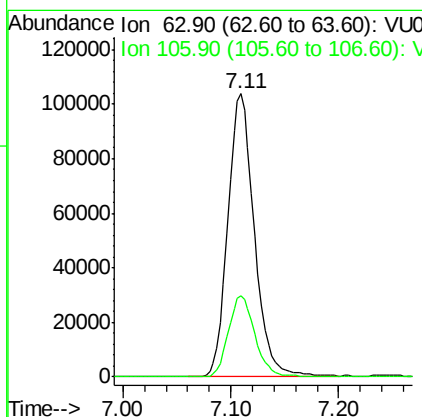
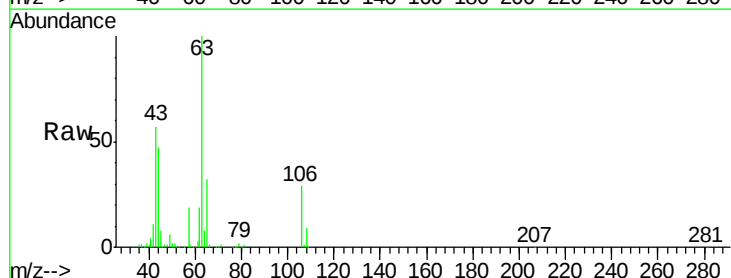
Manual Integrations
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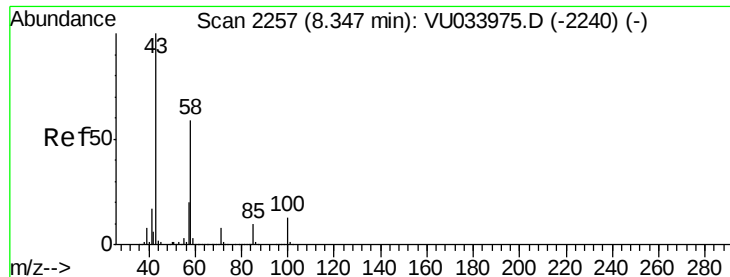
MMDadoda
 8/28/2019 9:58:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.982 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion: 63 Resp: 178005
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.4 33.6





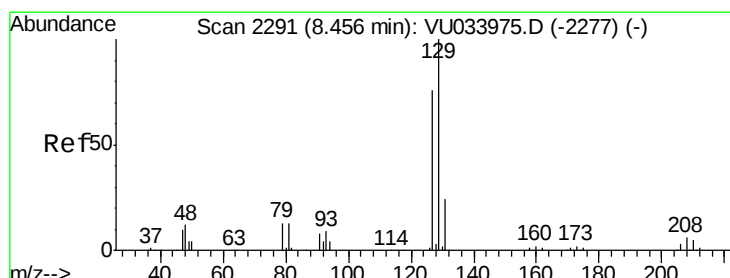
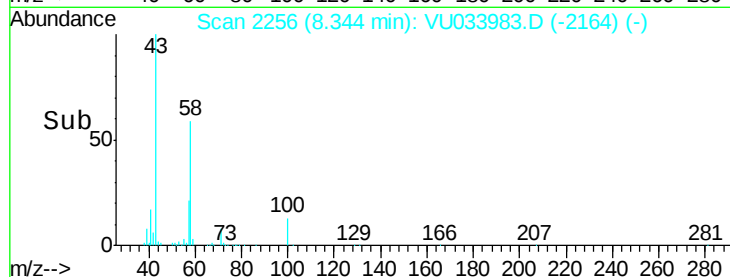
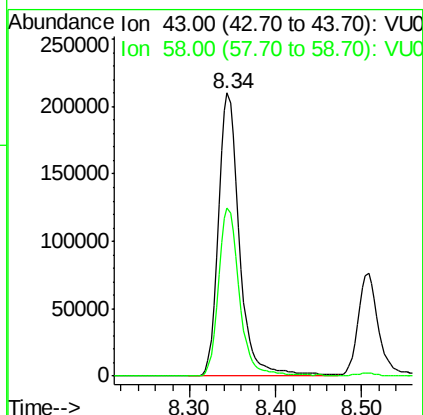
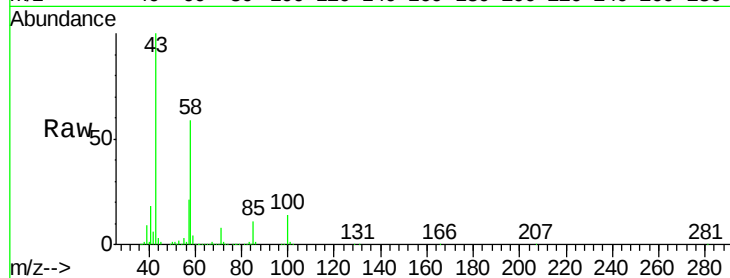
#59
2-Hexanone
Concen: 95.511 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.2	29.5	88.6

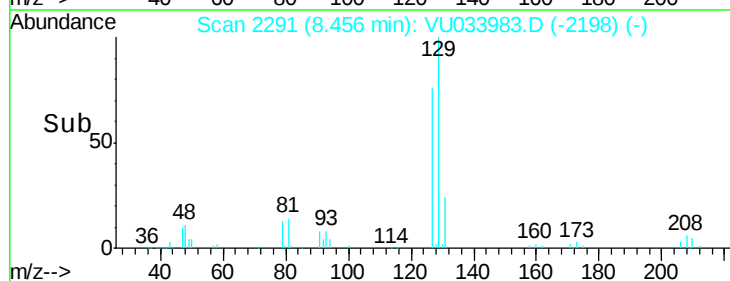
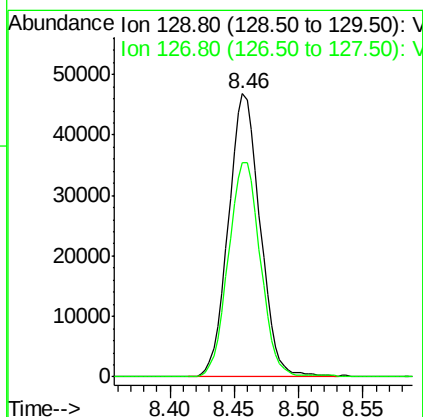
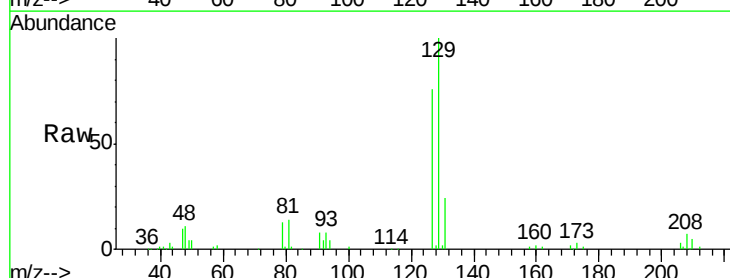
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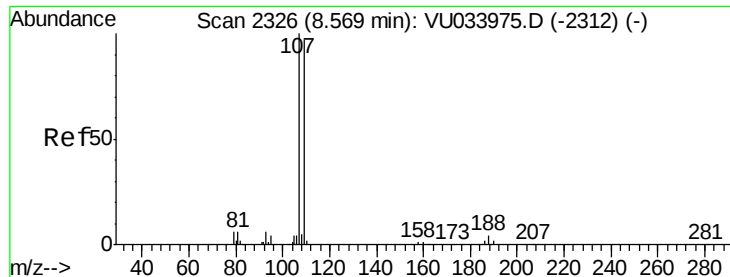
MMDadoda
8/28/2019 9:58:08 AM



#60
Dibromochloromethane
Concen: 19.517 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.8	116.4





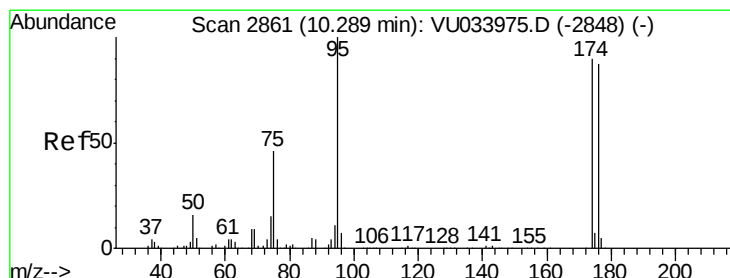
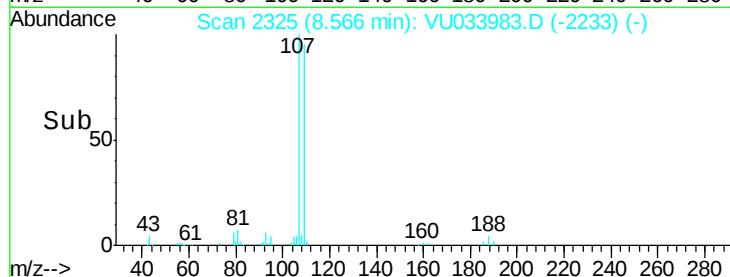
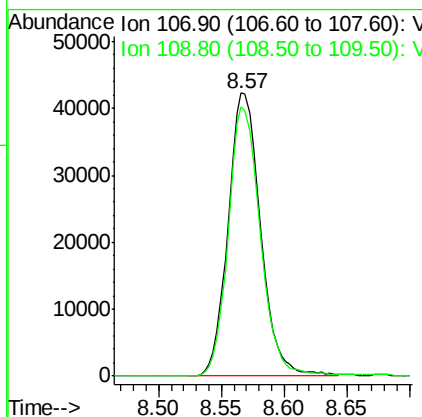
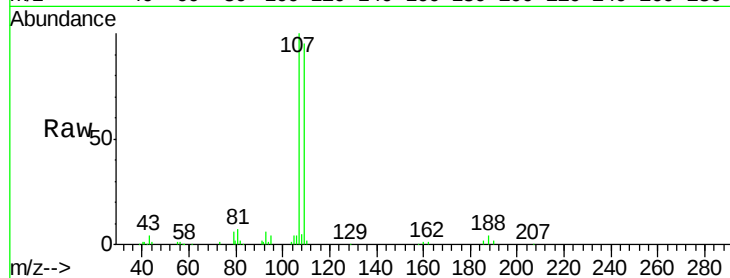
#61
 1,2-Dibromoethane
 Concen: 19.777 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

Tot Ion:107 Resp: 76252
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.7 113.5

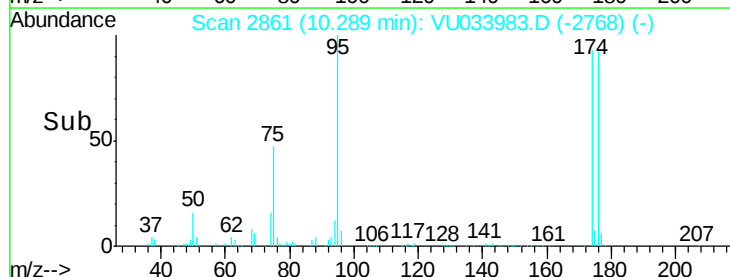
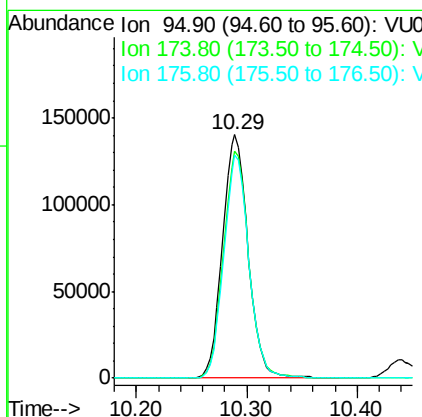
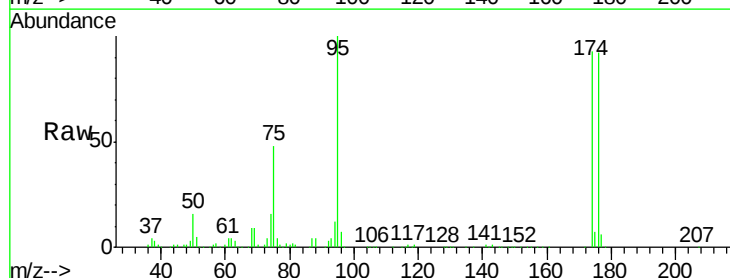
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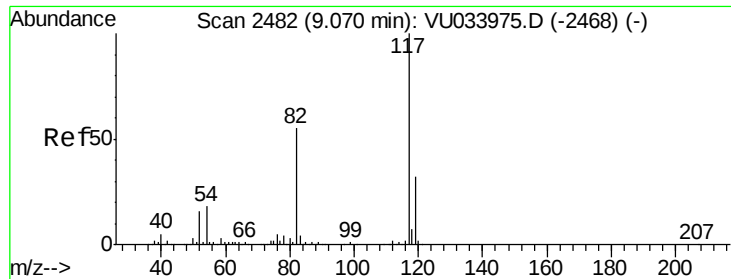
MMDadoda
 8/28/2019 9:58:08 AM



#62
 4-Bromofluorobenzene
 Concen: 47.190 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion: 95 Resp: 225828
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 183.8
 176 90.3 0.0 176.4





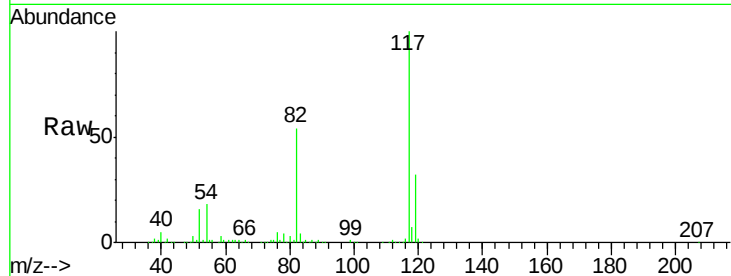
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	477898		
82	53.9		43.8	65.8
119	31.9		25.7	38.5

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8/28/2019 9:58:08 AM

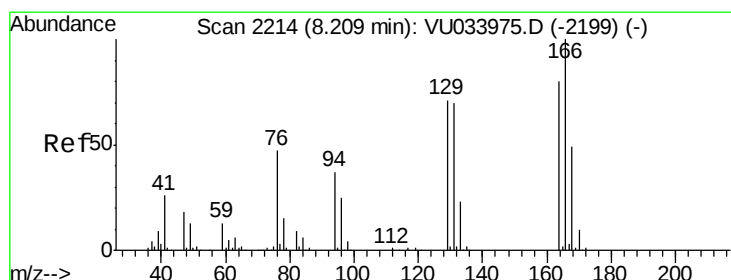
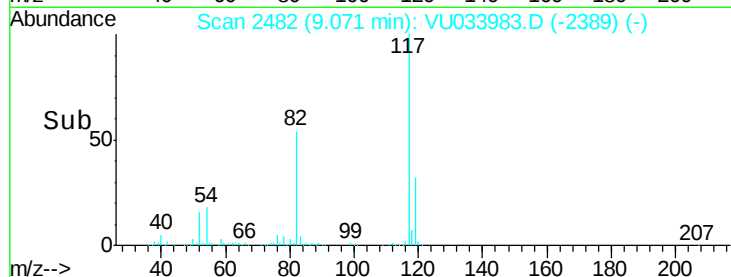
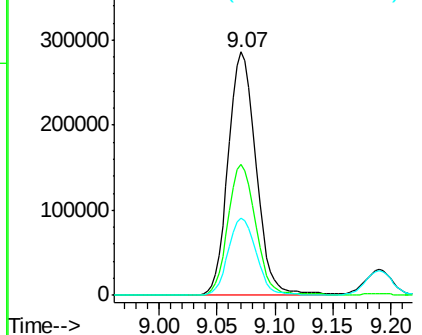


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.256 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	77832		
166	127.0		99.5	149.3
129	90.4		70.9	106.3
131	86.6		69.4	104.2

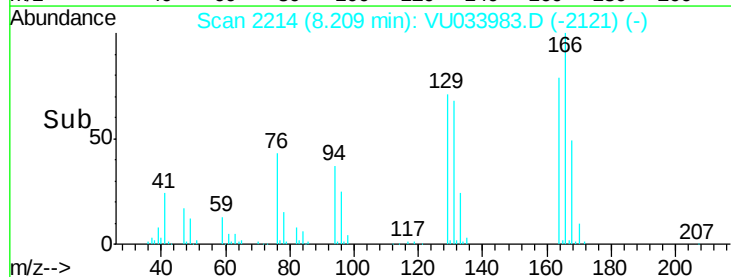
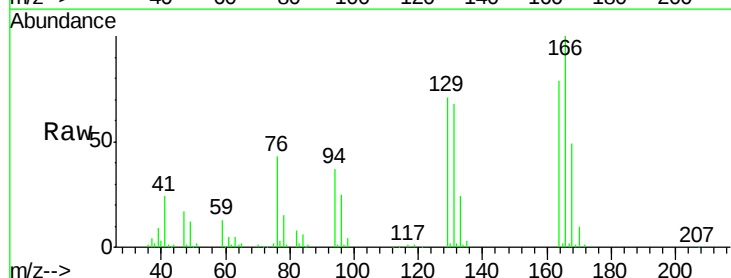
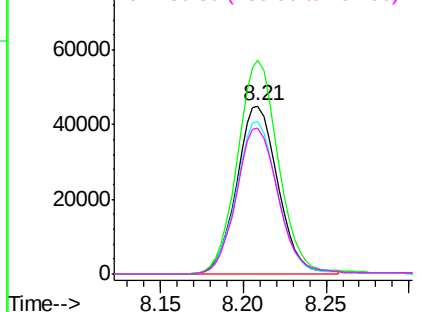
Abundance

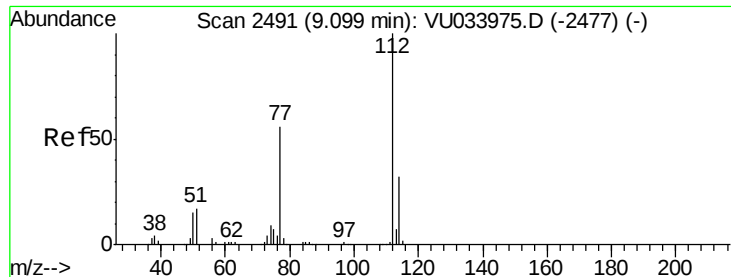
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





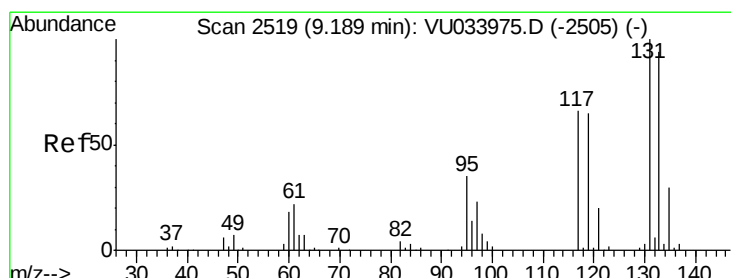
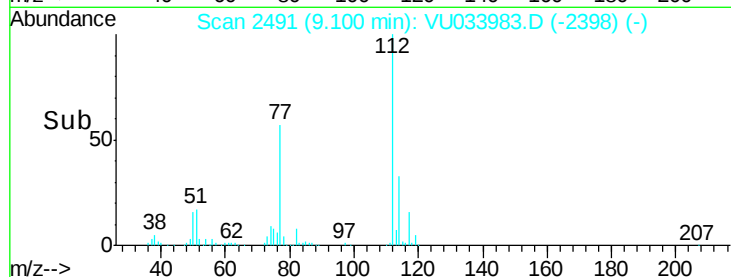
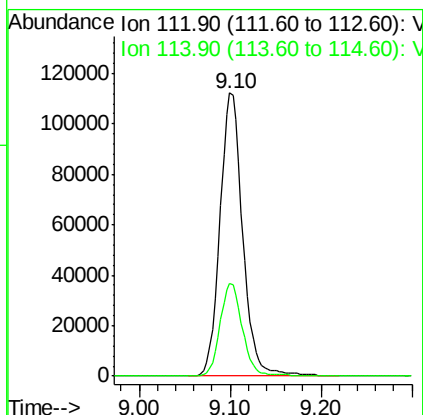
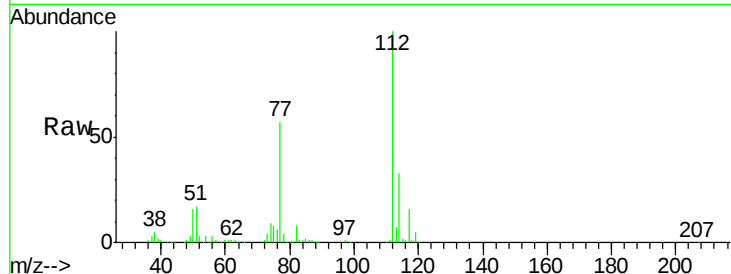
#65
Chlorobenzene
Concen: 19.867 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tot Ion:112 Resp: 195508
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8

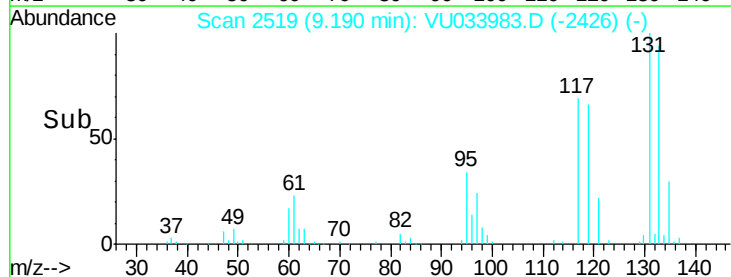
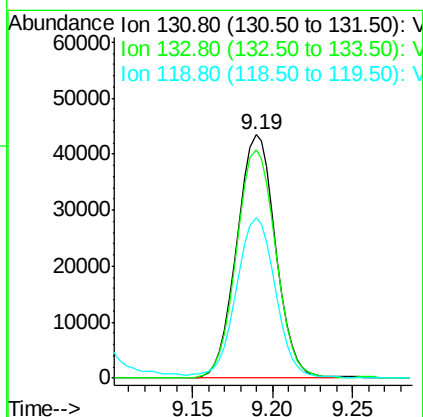
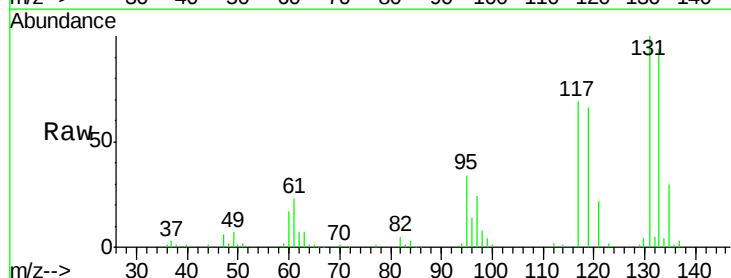
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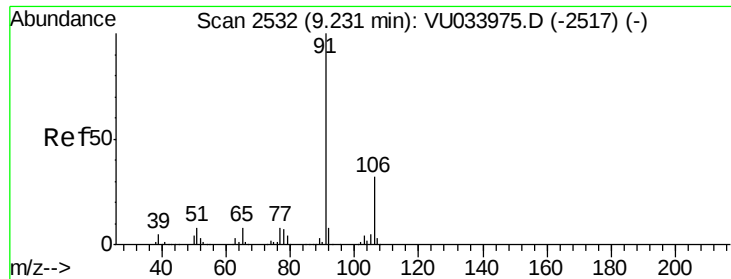
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.528 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion:131 Resp: 71649
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.9
119 67.4 33.0 98.9





#67

Ethyl Benzene

Concen: 19.691 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

Tot Ion: 91 Resp: 323090

Ion Ratio Lower Upper

91 100

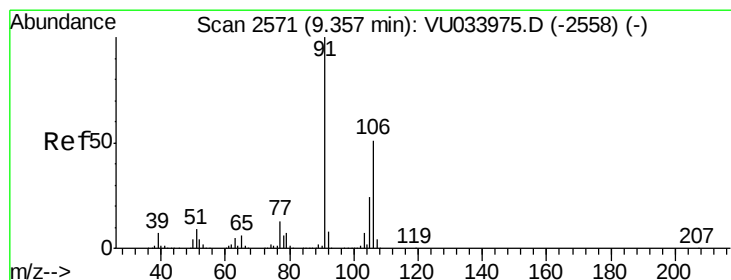
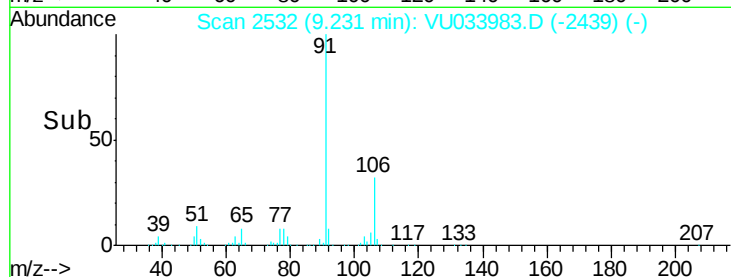
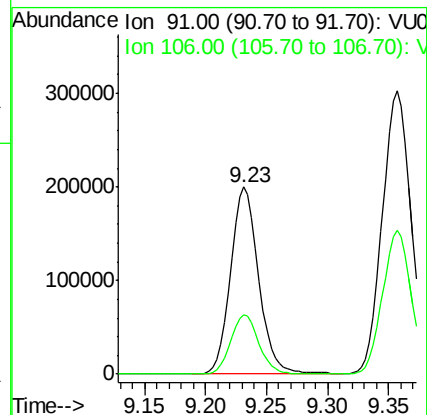
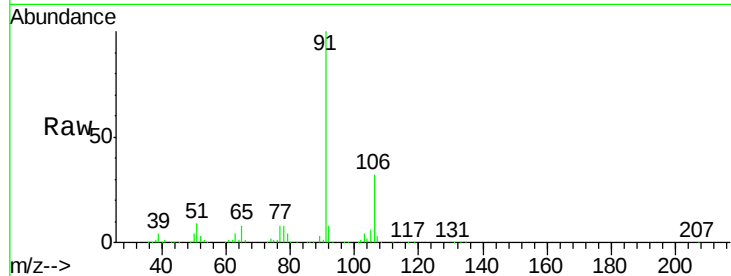
106 31.8 25.4 38.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.191 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033983.D

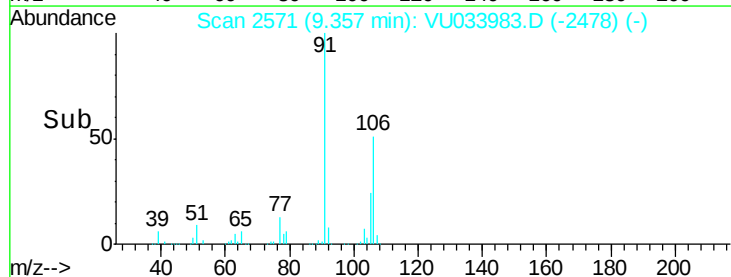
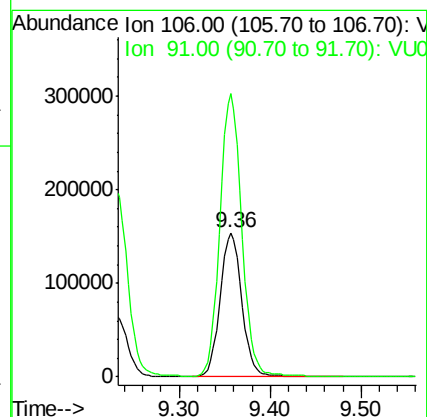
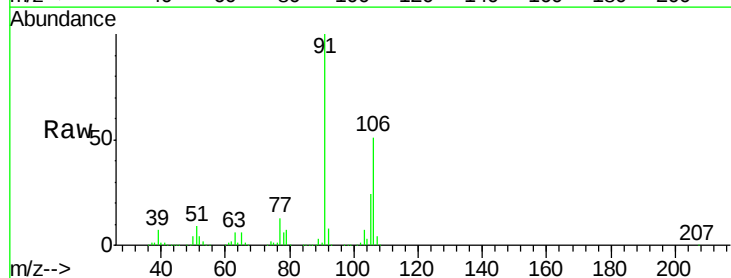
Acq: 27 Aug 2019 19:29

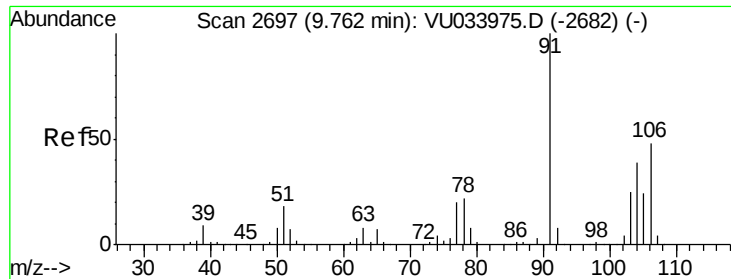
Tgt Ion: 106 Resp: 254328

Ion Ratio Lower Upper

106 100

91 198.1 158.4 237.6





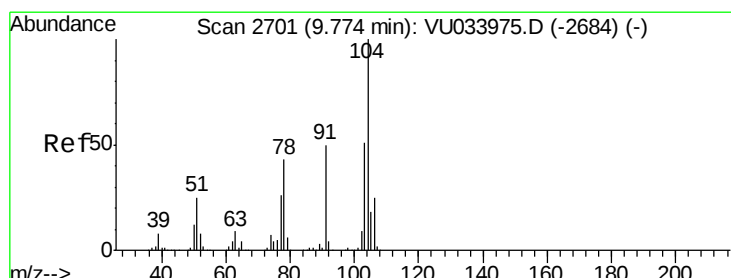
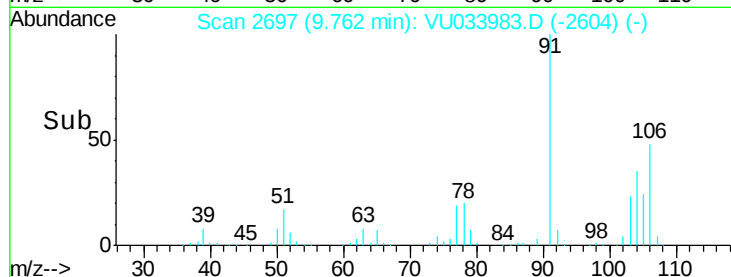
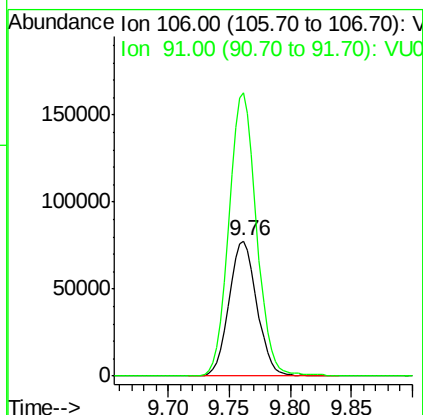
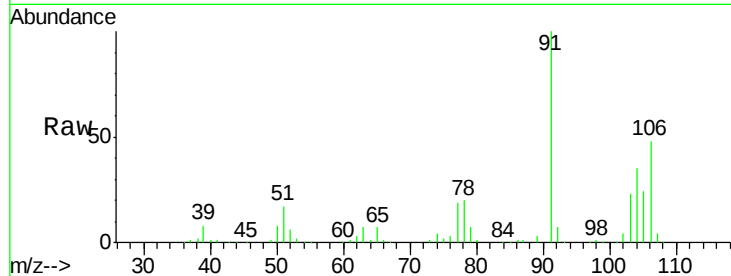
#69
o-Xylene
Concen: 20.546 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampled :
VU0828WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		124297		
91	207.2	104.5	313.3		

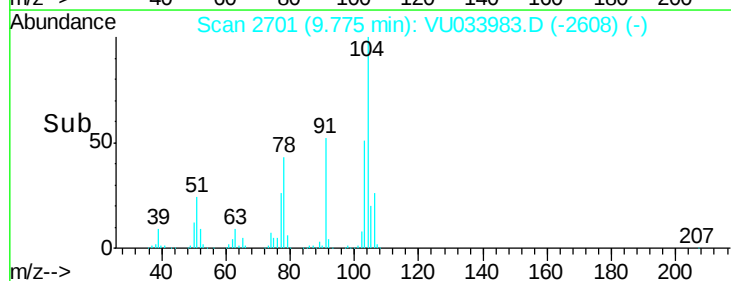
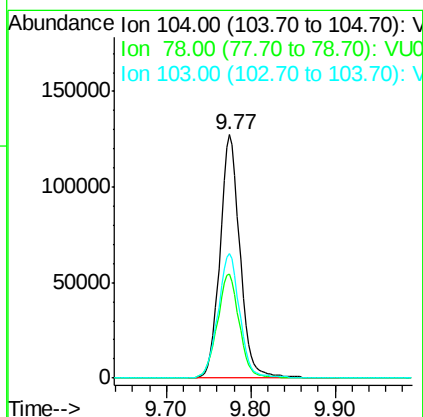
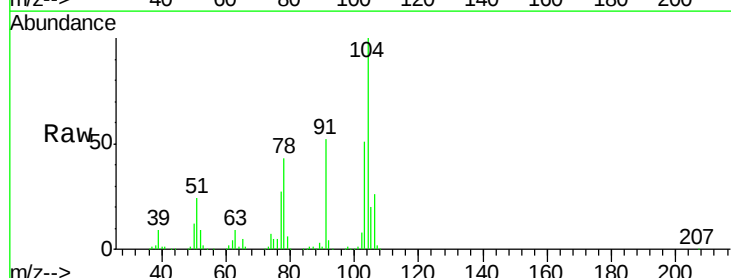
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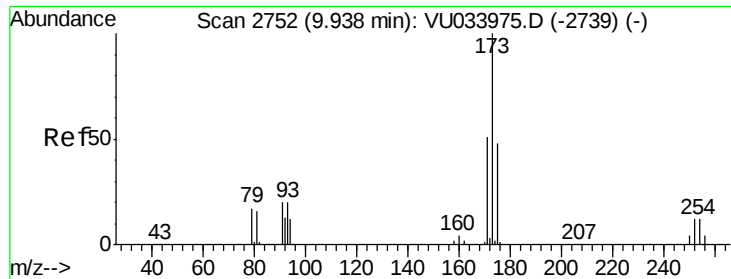
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#70
Styrene
Concen: 20.388 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		211104		
78	46.8	37.5	56.3		
103	55.6	43.9	65.9		





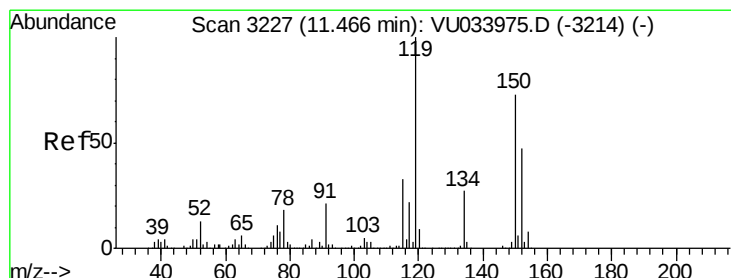
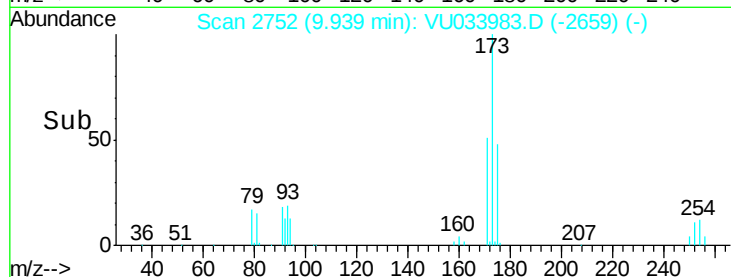
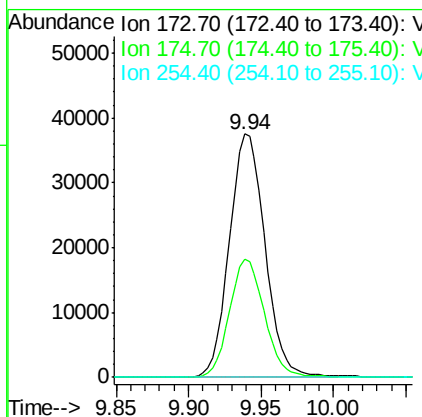
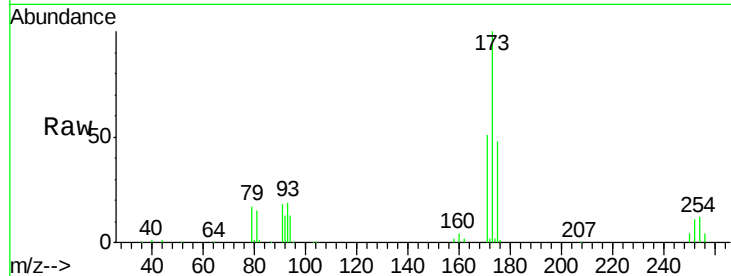
#71
Bromoform
Concen: 19.775 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.3	72.9
254	0.0	0.1	0.1#

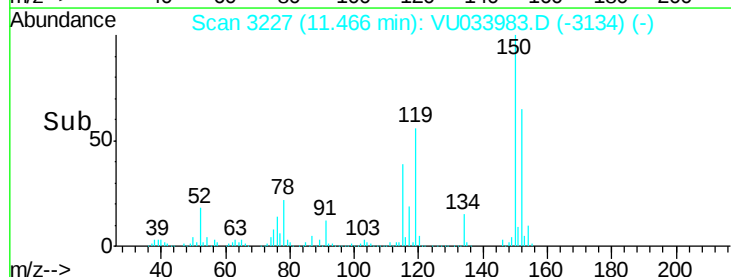
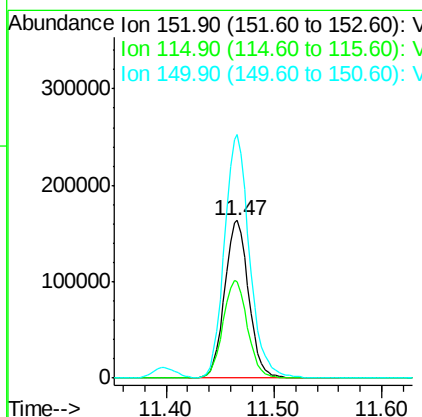
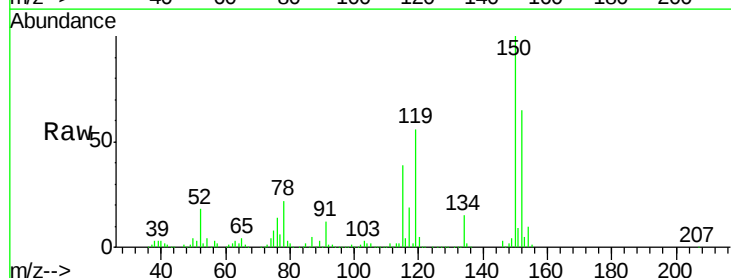
Manual Integrations
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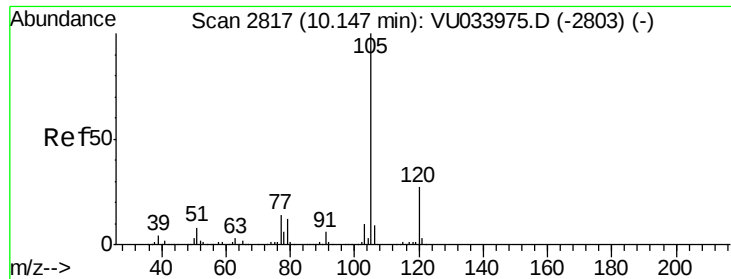
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	38.6	115.7
150	160.2	0.0	343.8





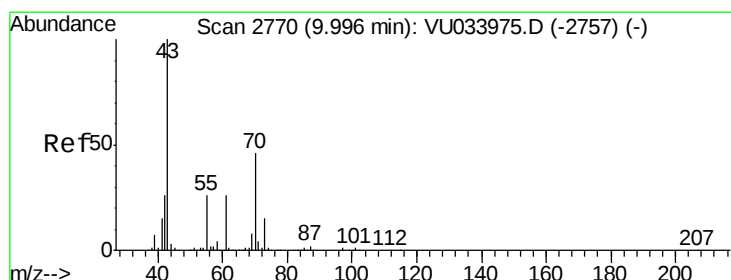
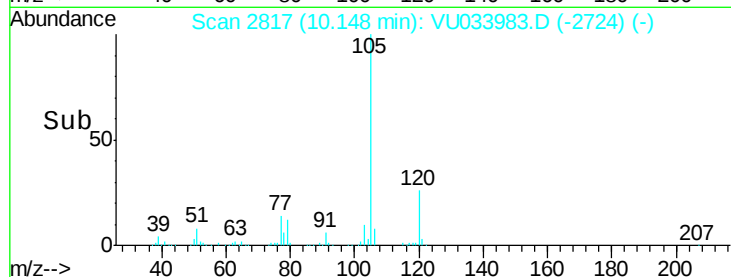
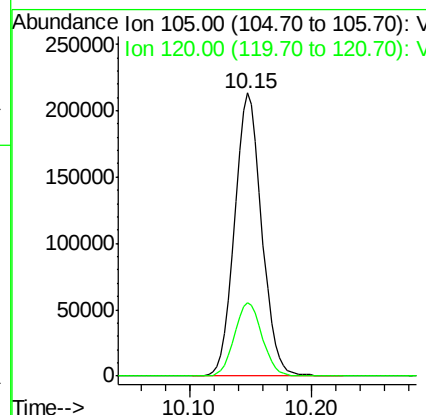
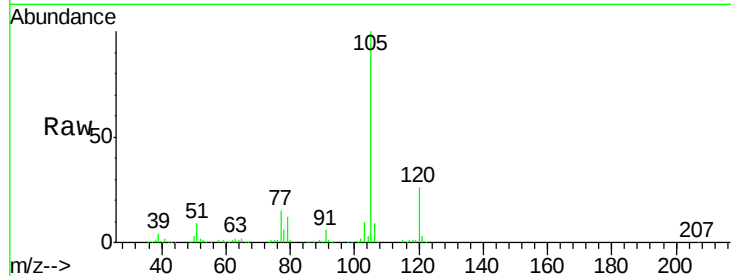
#73
Isopropylbenzene
Concen: 20.188 ug/l
RT: 10.15 min Scan# 2817
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.5	40.5

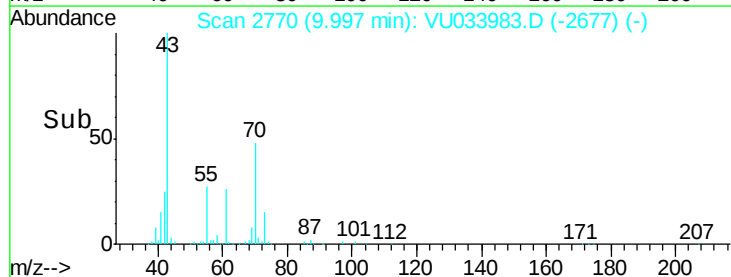
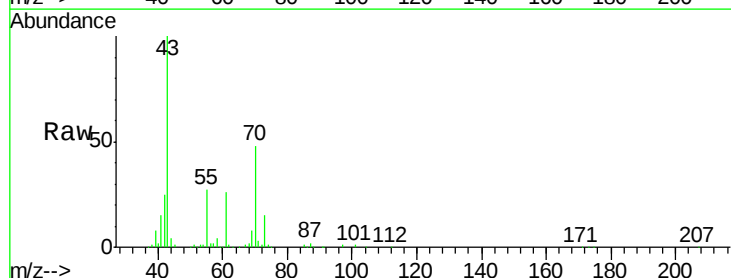
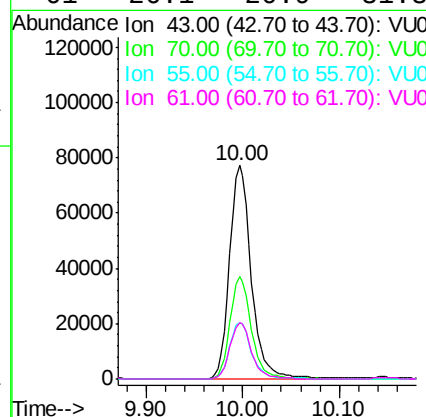
Manual Integrations
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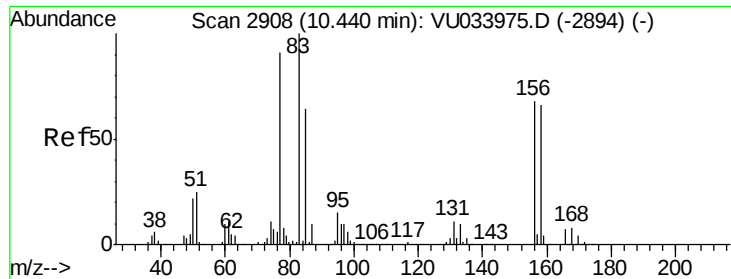
MMDadoda
8/28/2019 9:58:08 AM



#74
N-ethyl acetate
Concen: 19.686 ug/l
RT: 10.00 min Scan# 2770
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.2	37.4	56.0
55	26.5	21.0	31.4
61	26.1	20.9	31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.366 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

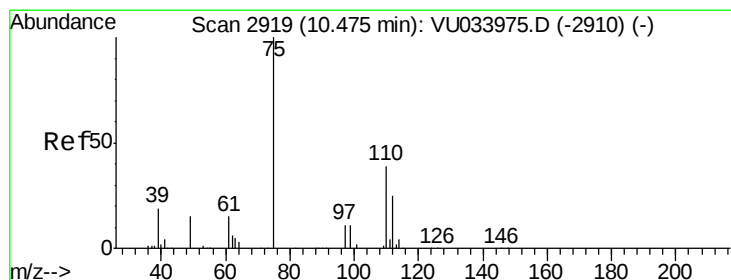
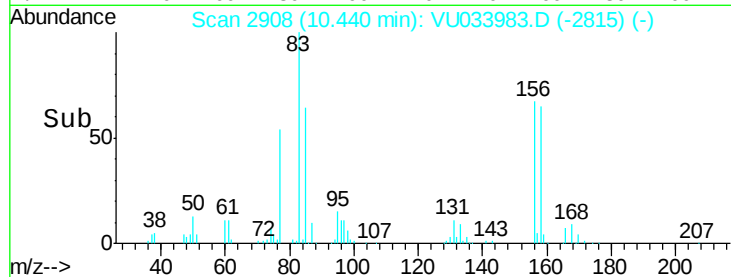
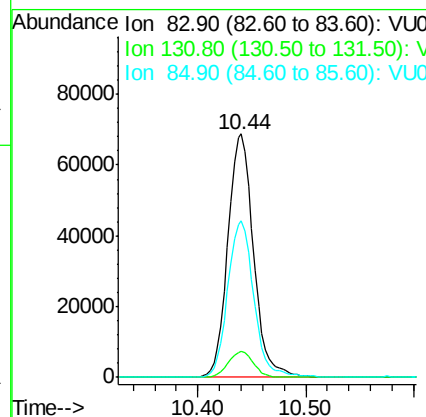
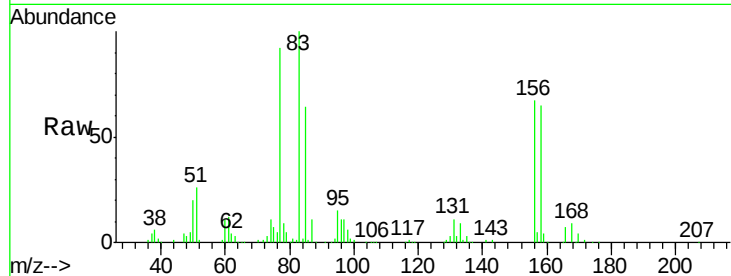
ClientSampleId :

VU0828WBSD01

Tot Ion:	83	Resp:	114165
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	16.1
85	65.3	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.681 ug/l m

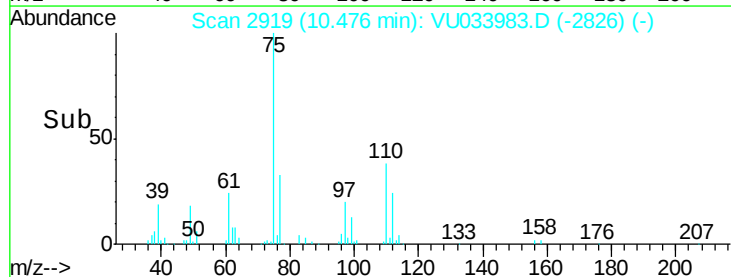
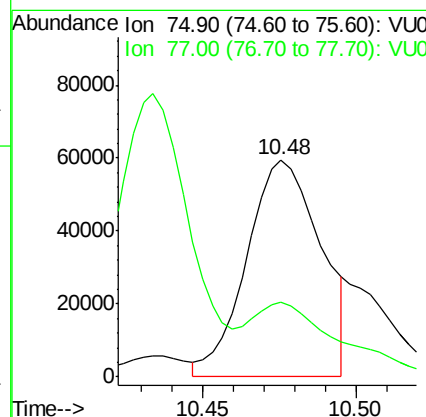
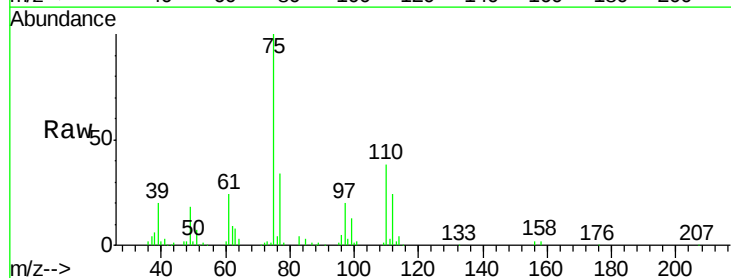
RT: 10.48 min Scan# 2919

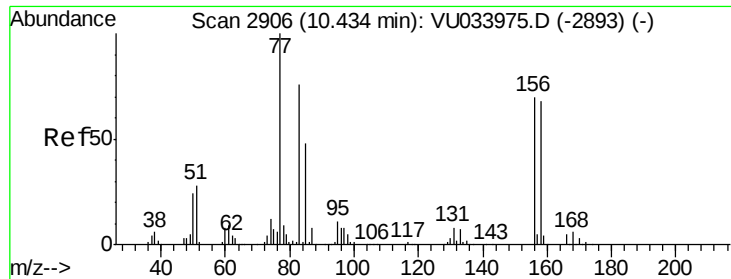
Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Tgt Ion:	75	Resp:	99727
Ion Ratio	Lower	Upper	
75	100		
77	40.2	21.0	63.0





#77

Bromobenzene

Concen: 19.406 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

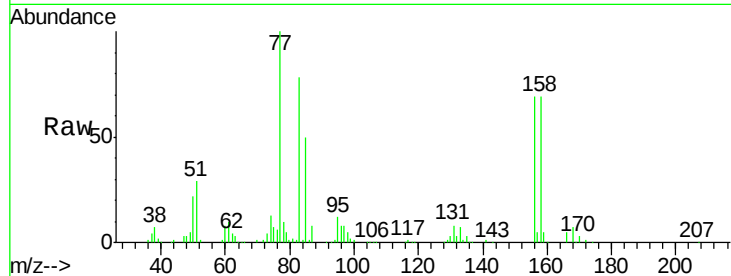
ClientSampleId :

VU0828WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	142.5	70.3	211.1
158	98.6	48.3	144.8

Manual Integrations
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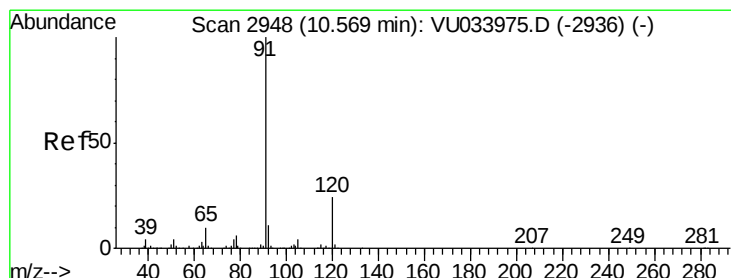
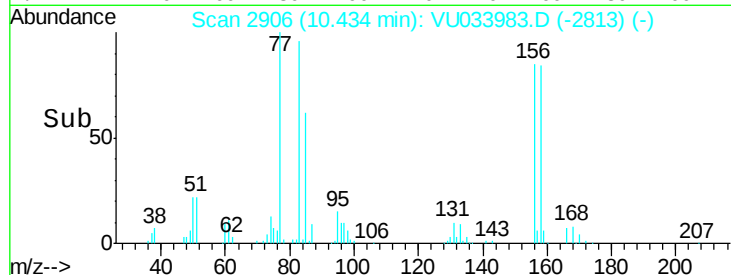
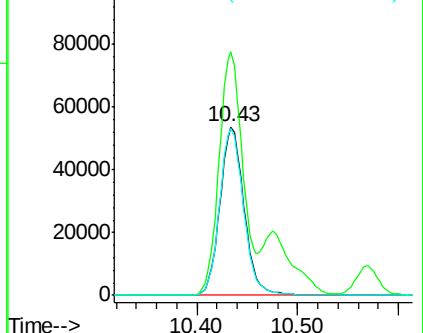
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.960 ug/l

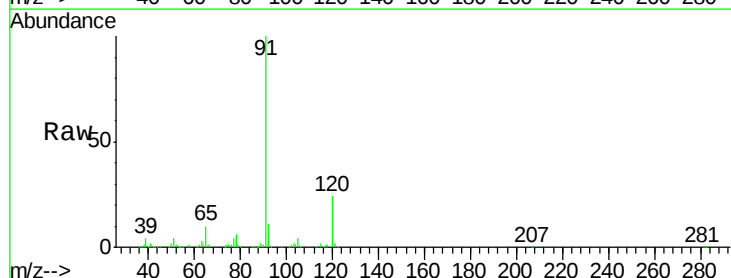
RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU033983.D

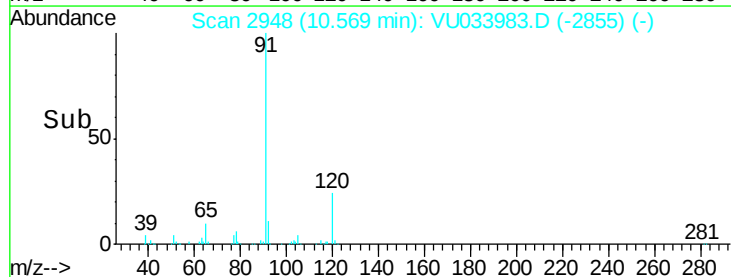
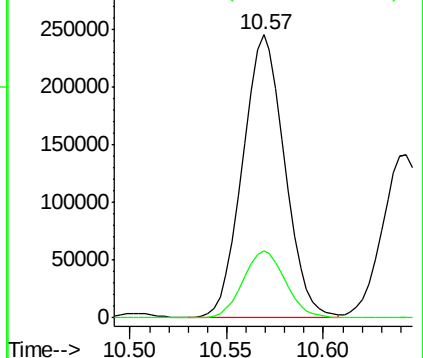
Acq: 27 Aug 2019 19:29

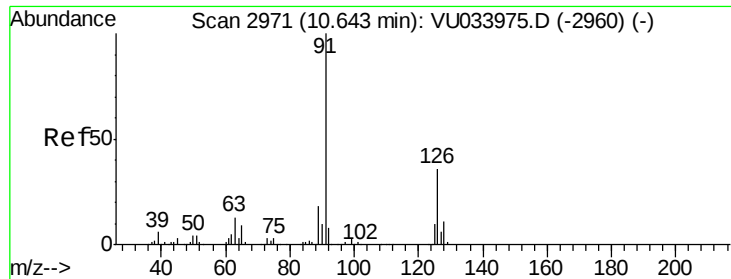
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





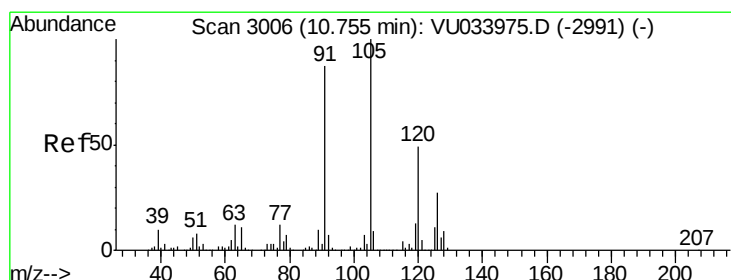
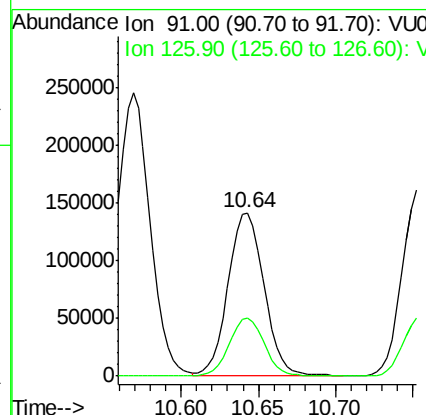
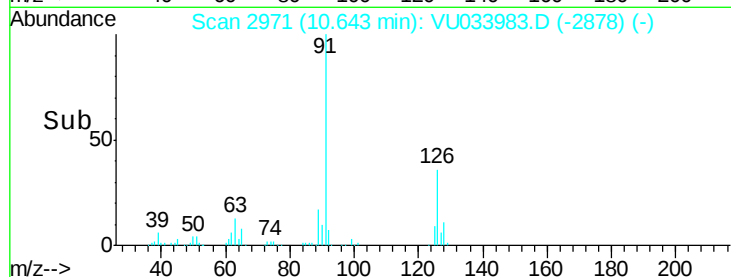
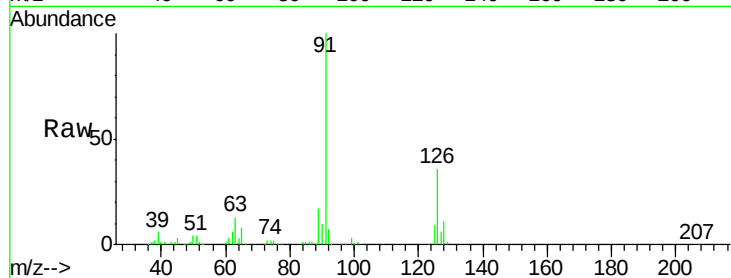
#79
 2-Chlorotoluene
 Concen: 20.330 ug/l
 RT: 10.64 min Scan# 2971
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

Tot Ion: 91 Resp: 227709
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.8 53.5

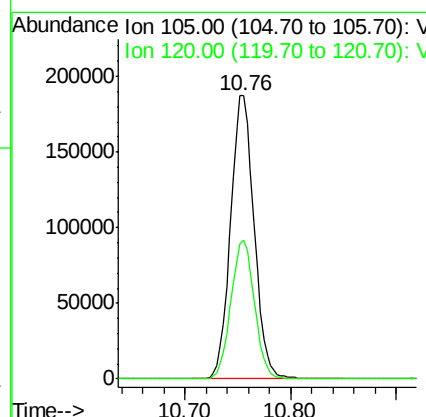
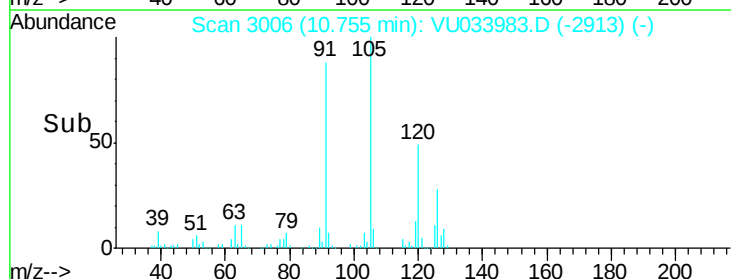
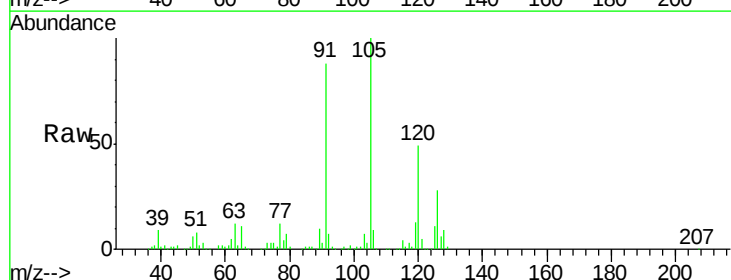
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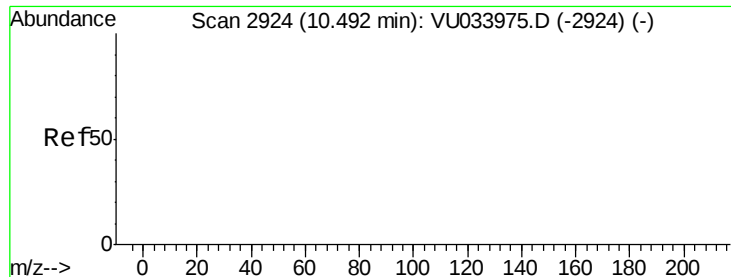
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.609 ug/l
 RT: 10.76 min Scan# 3006
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion: 105 Resp: 288897
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 16.010 ug/l m

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU033983.D

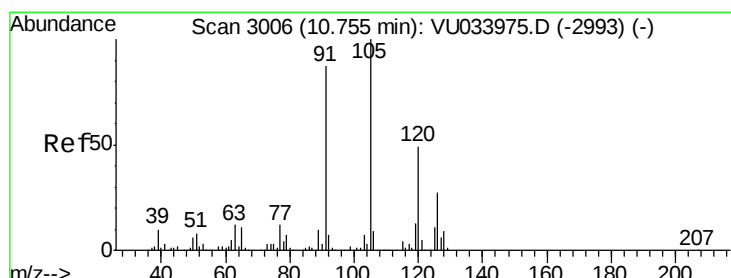
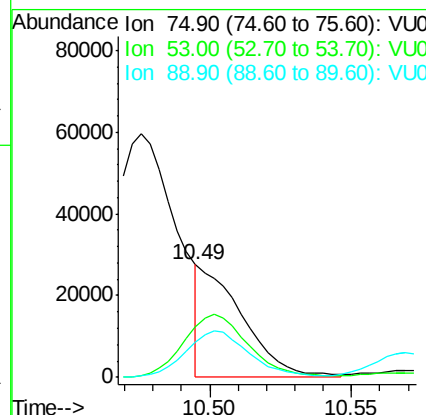
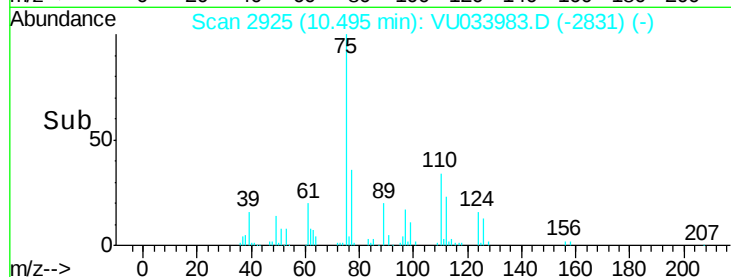
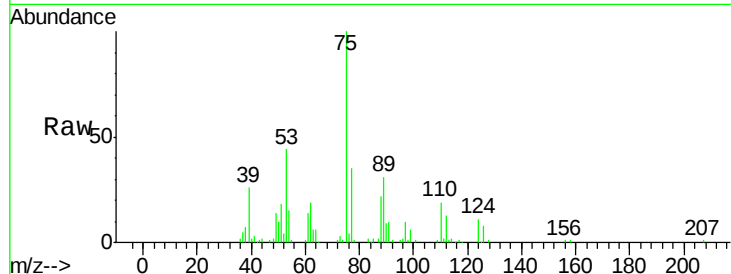
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

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

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#82

4-Chlorotoluene

Concen: 19.892 ug/l

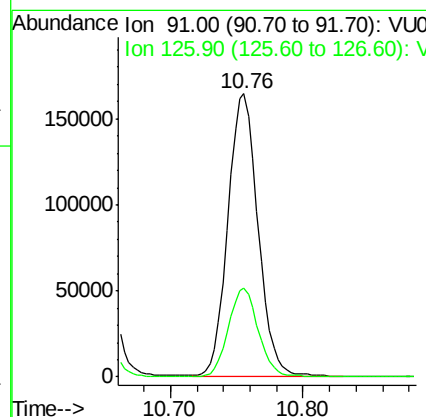
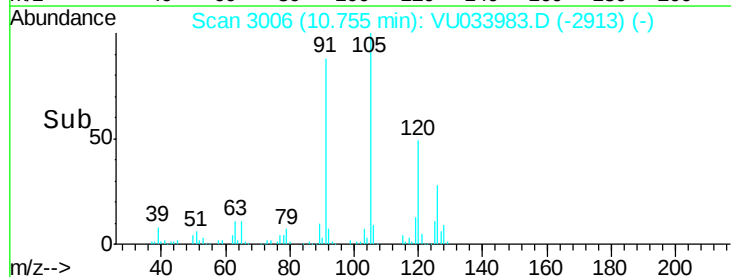
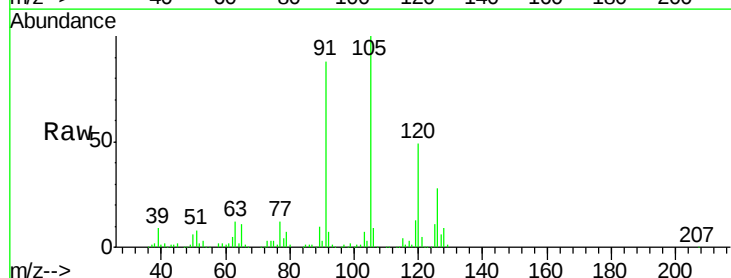
RT: 10.76 min Scan# 3006

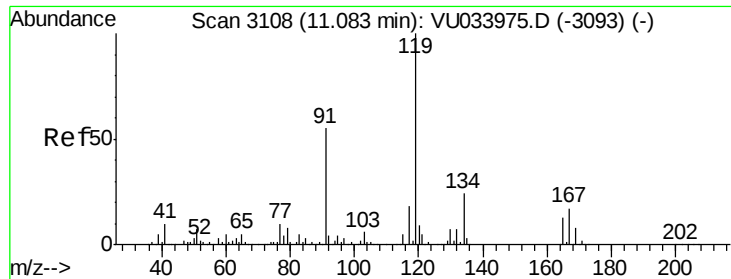
Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.4	46.4





#83

tert-Butylbenzene

Concen: 20.088 ug/l

RT: 11.08 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

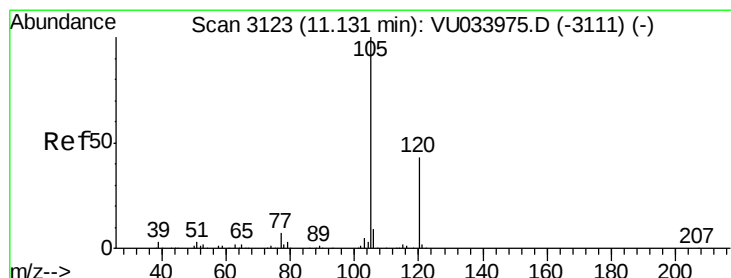
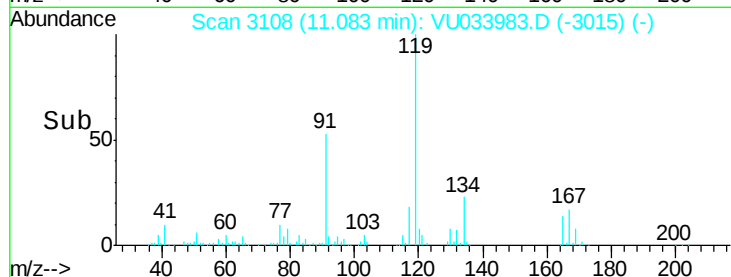
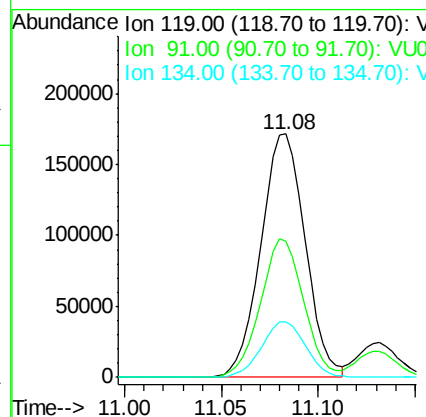
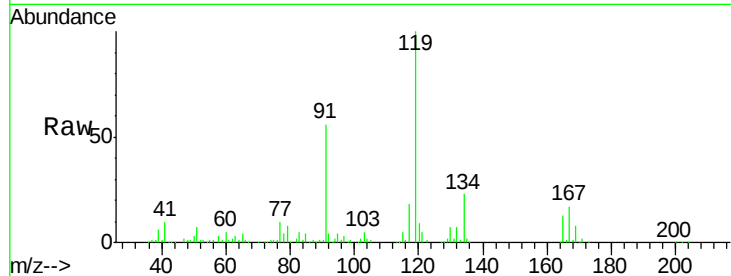
ClientSampleId :

VU0828WBSD01

Tot Ion:	119	Resp:	273353
Ion Ratio	Lower	Upper	
119	100		
91	55.2	27.6	82.8
134	22.8	11.6	34.7

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#84

1,2,4-Trimethylbenzene

Concen: 20.659 ug/l

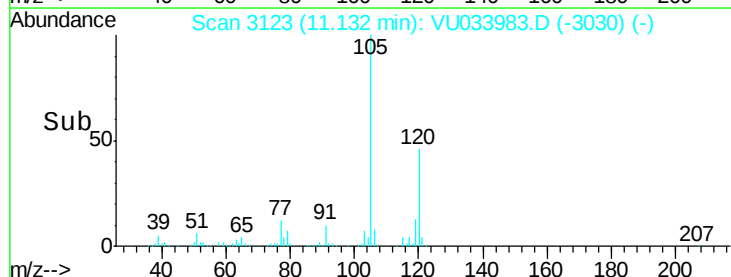
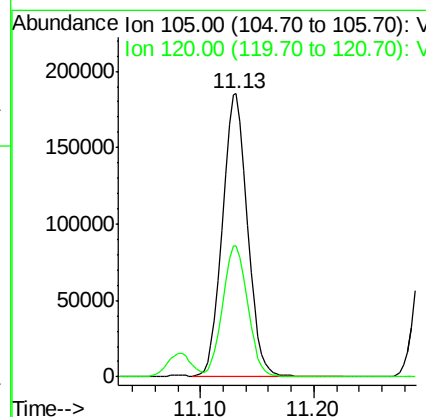
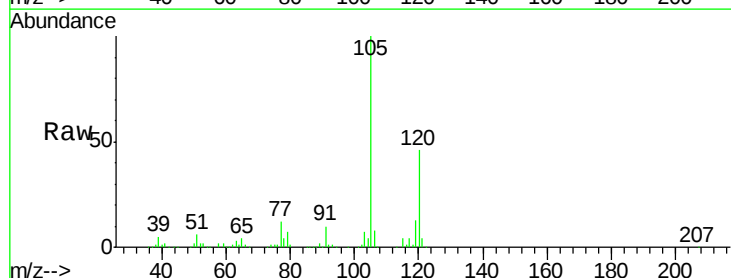
RT: 11.13 min Scan# 3123

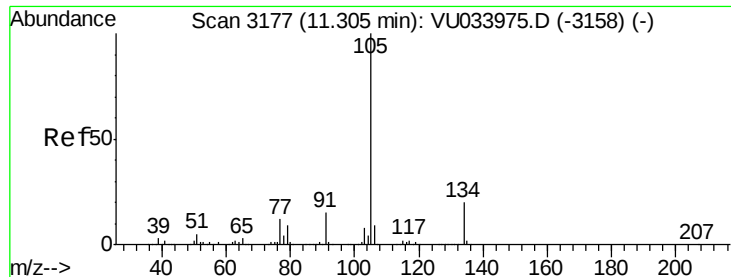
Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Tgt Ion:	105	Resp:	284319
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.3	69.9





#85

sec-Butylbenzene

Concen: 19.911 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

Tot Ion:105 Resp: 323376

Ion Ratio Lower Upper

105 100

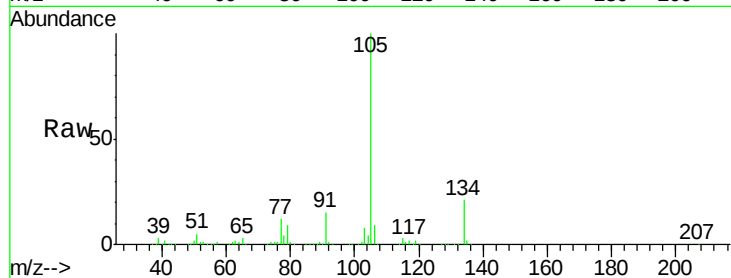
134 20.8 10.2 30.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

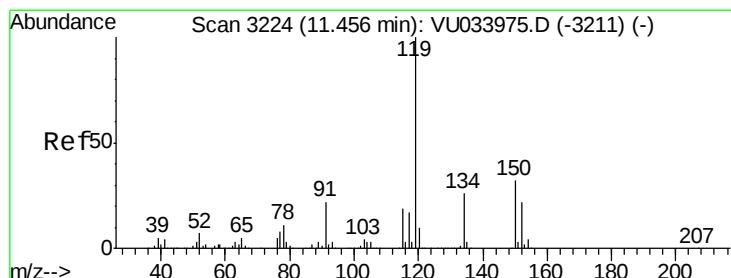
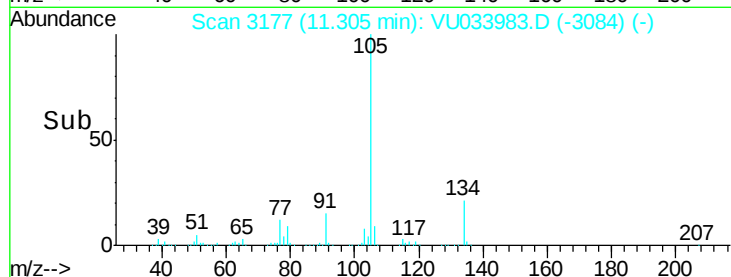
50000

0

11.30

11.40

Time-->



#86

p-Isopropyltoluene

Concen: 20.268 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

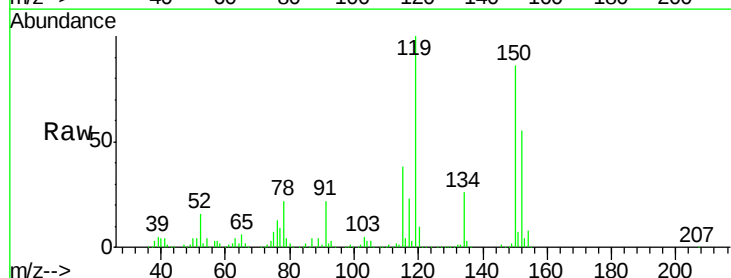
Tgt Ion:119 Resp: 308096

Ion Ratio Lower Upper

119 100

134 26.5 13.0 38.9

91 22.0 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

250000

200000

150000

100000

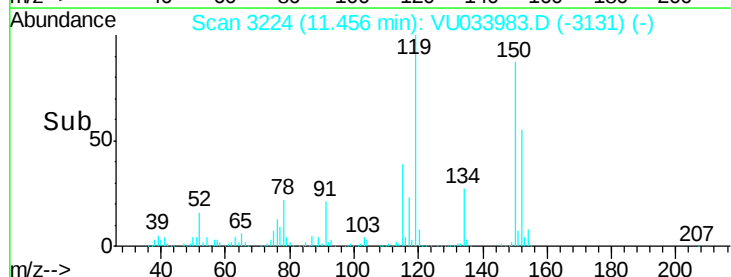
50000

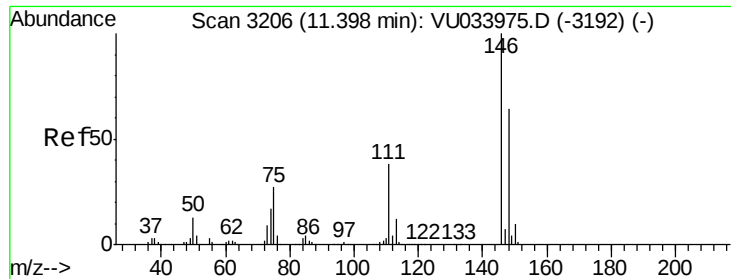
0

11.40

11.50

Time-->





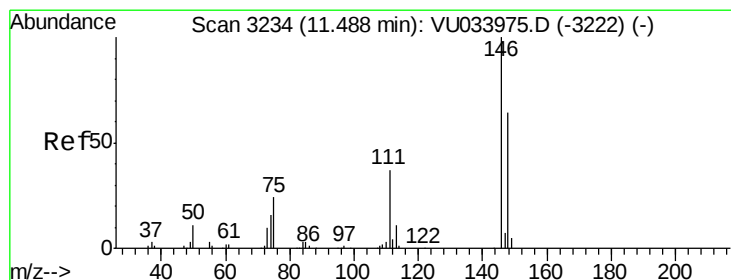
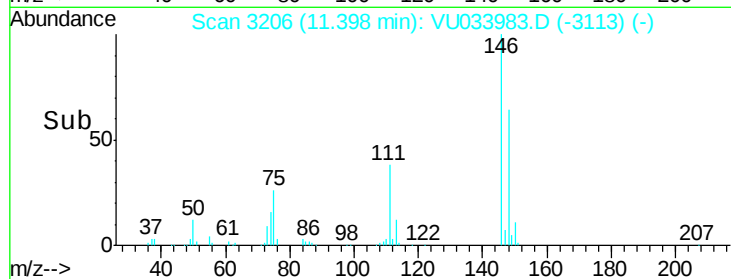
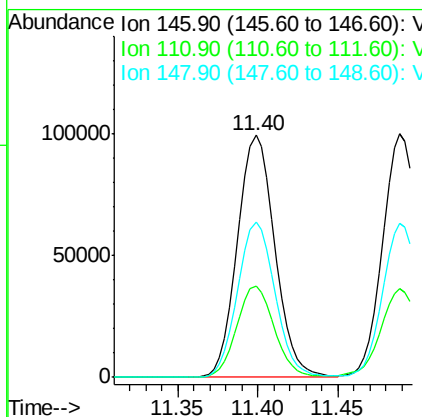
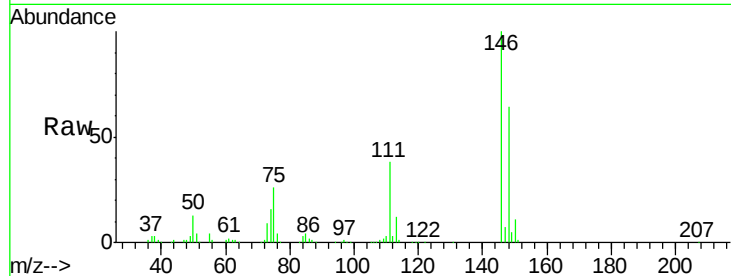
#87
 1,3-Dichlorobenzene
 Concen: 19.361 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	64.4	31.9	95.7

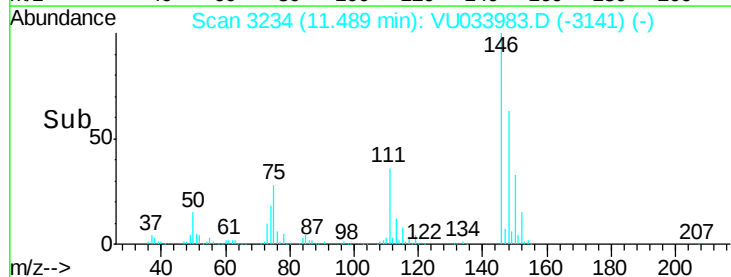
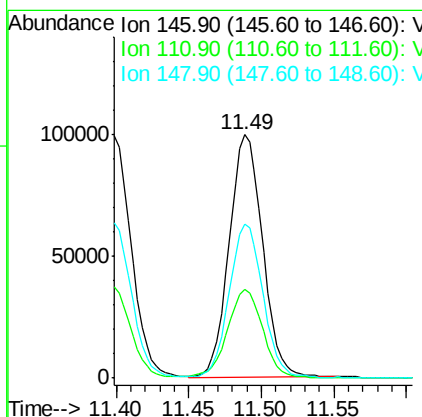
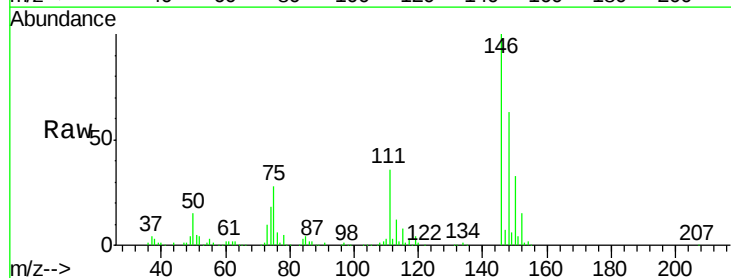
Manual Integrations
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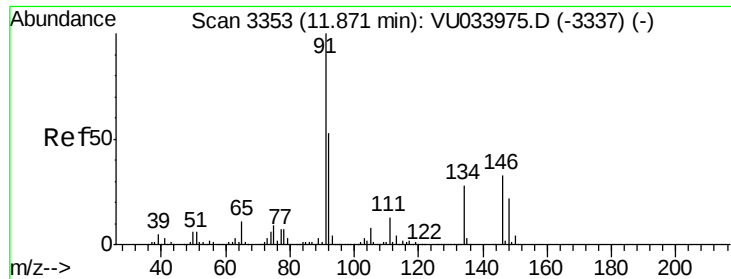
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#88
 1,4-Dichlorobenzene
 Concen: 19.248 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.8	56.4
148	63.6	31.9	95.7





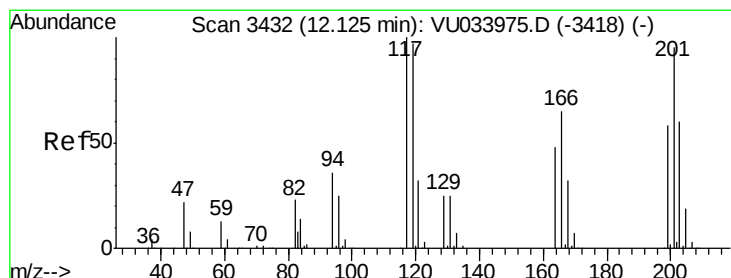
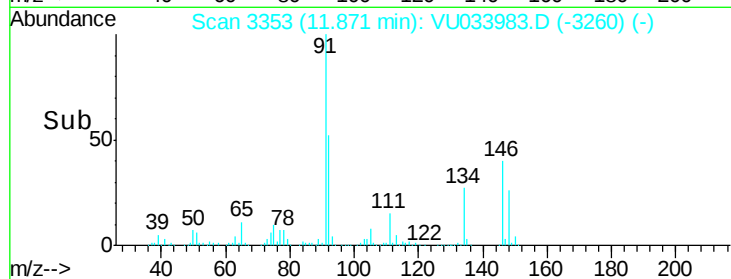
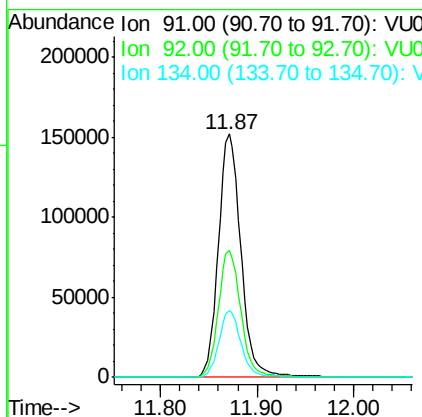
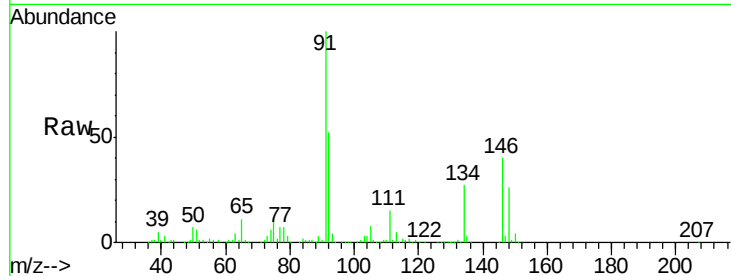
#89
n-Butylbenzene
Concen: 19.408 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.7	80.0
134	26.8	13.6	40.8

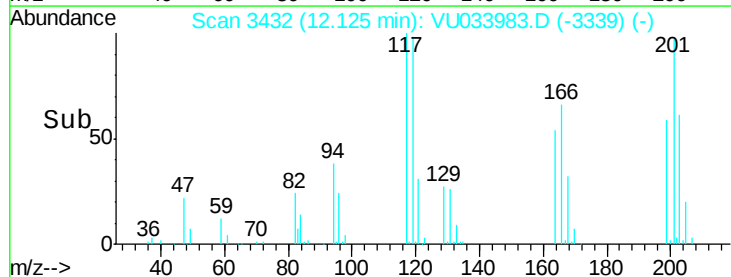
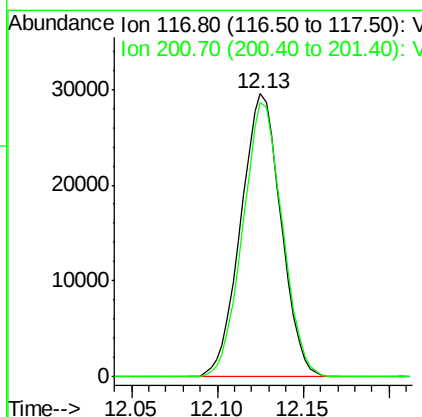
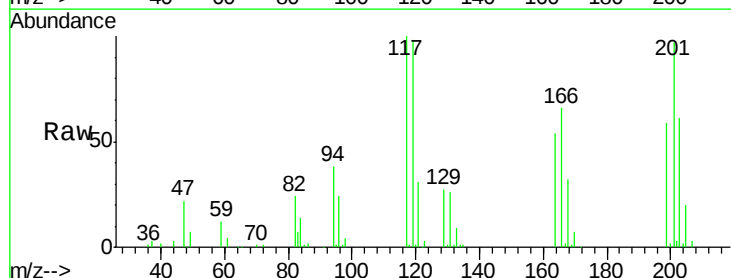
Manual Integrations
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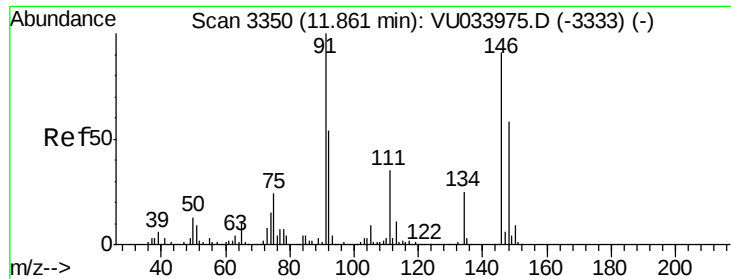
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#90
Hexachloroethane
Concen: 19.014 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.2	47.5	142.5





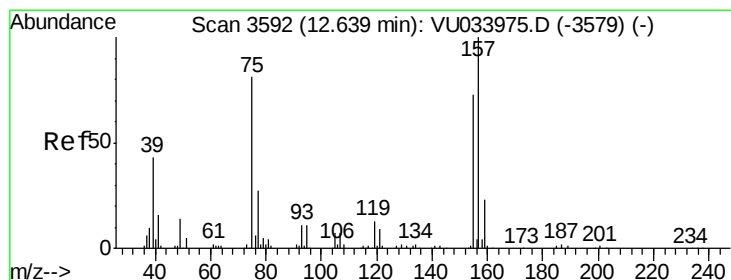
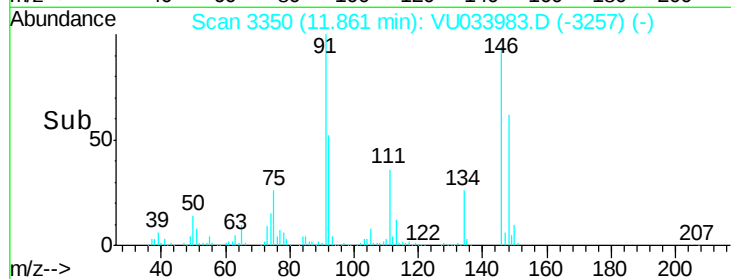
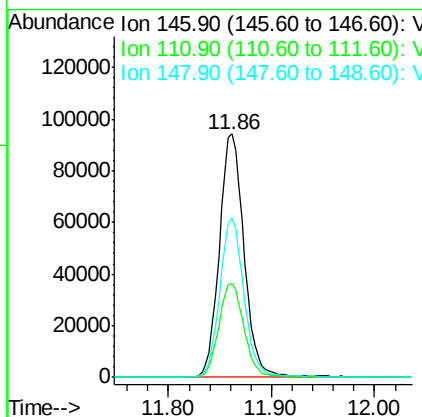
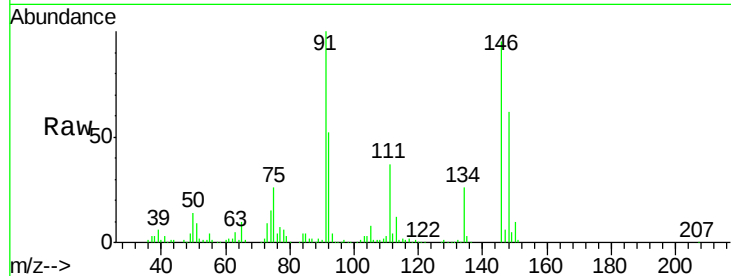
#91
 1,2-Dichlorobenzene
 Concen: 19.489 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	64.1	32.0	96.2

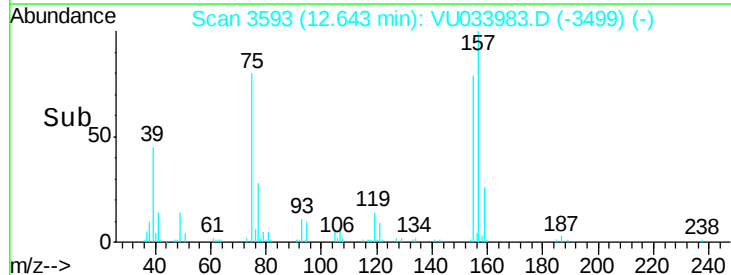
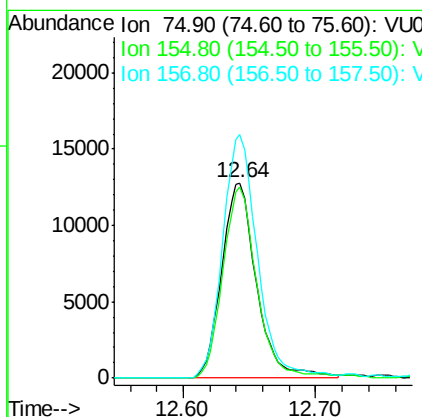
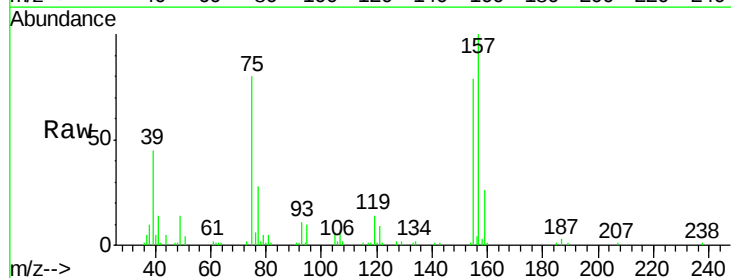
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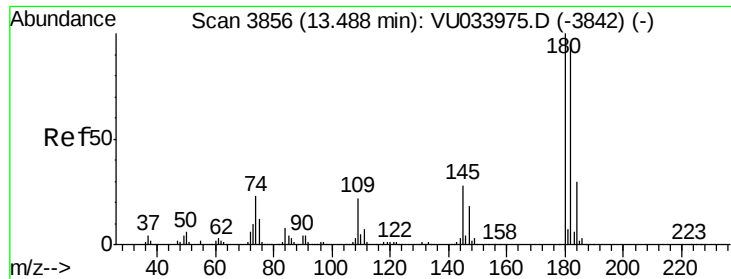
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.867 ug/l
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.6	46.9	140.6
157	124.0	61.2	183.6





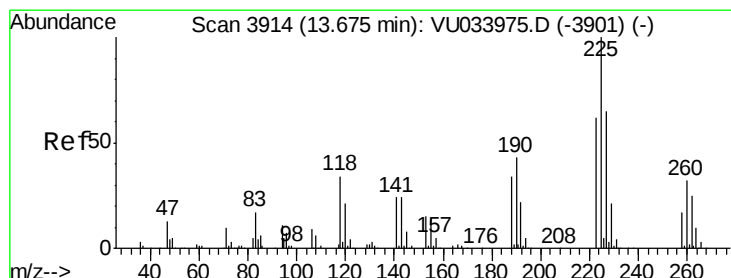
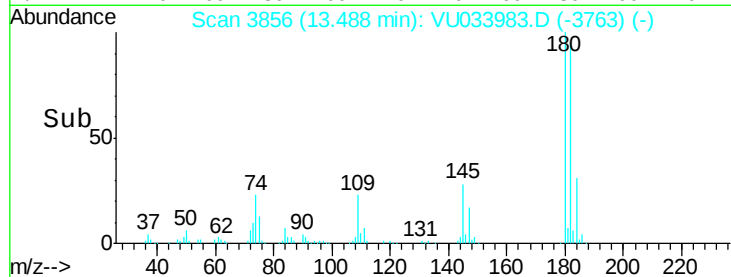
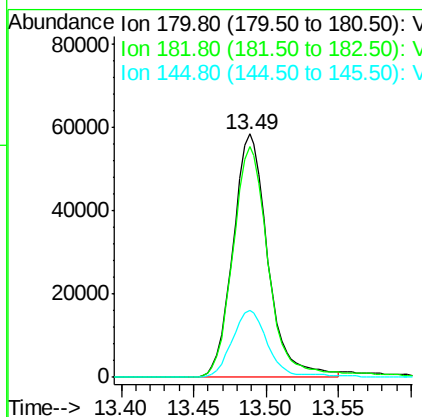
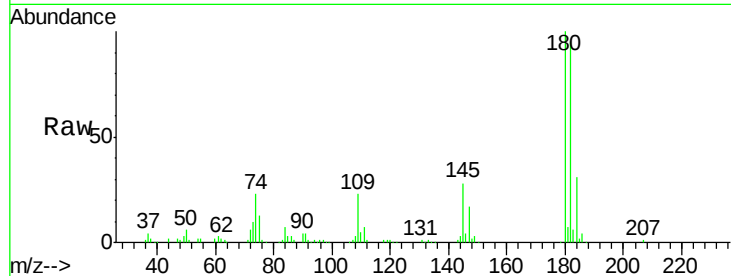
#93
 1,2,4-Trichlorobenzene
 Concen: 18.304 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.4	142.2
145	28.7	14.4	43.2

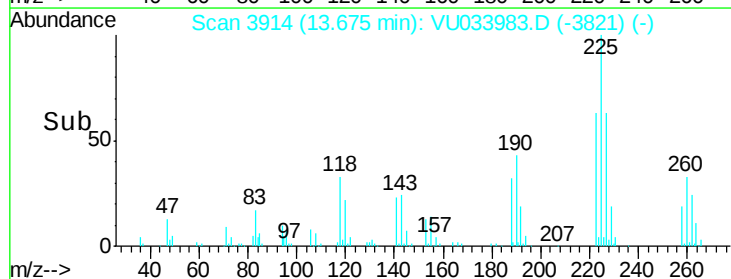
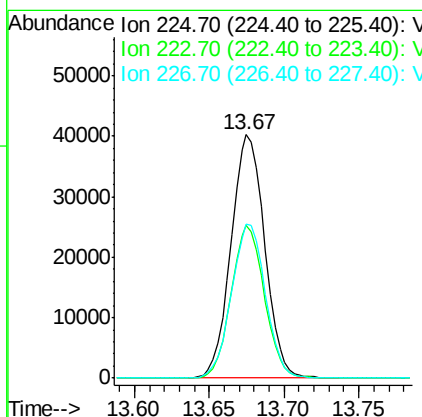
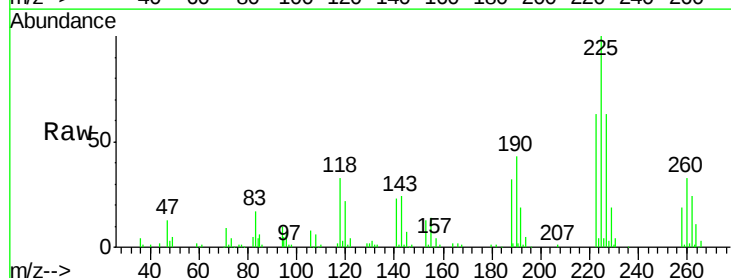
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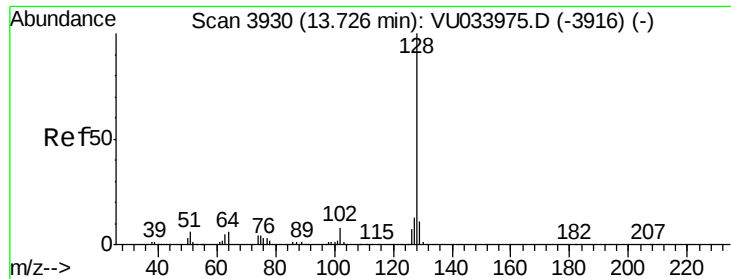
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#94
 Hexachlorobutadiene
 Concen: 19.060 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.7	95.1
227	63.8	33.0	99.0





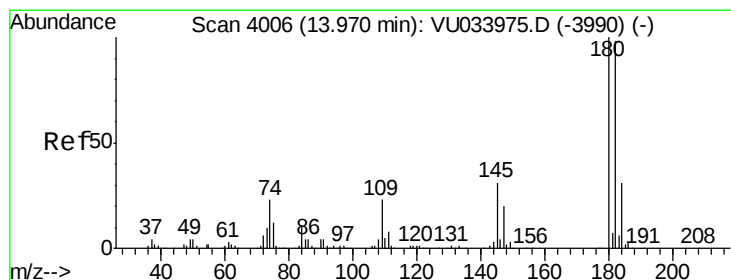
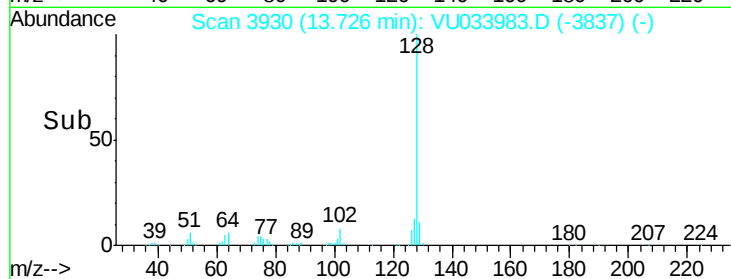
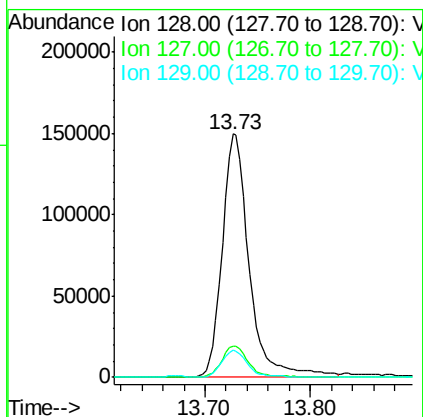
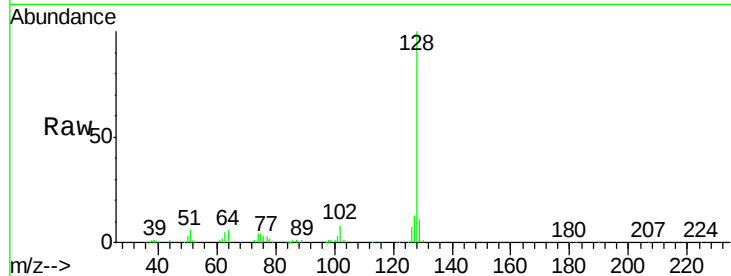
#95
Naphthalene
Concen: 18.262 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.5	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.644 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.2	48.4	145.3
145	29.9	15.1	45.3

