

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012920\
 Data File : VU036578.D
 Acq On : 28 Jan 2020 17:35
 Operator : JC/MD
 Sample : VSTD05031
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 29 04:16:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 29 04:13:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	281201	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	270073	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	129459	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	99893	53.39	ug/L	0.00
7) Chloroethane-d5	1.93	69	86744	53.56	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	164811	47.58	ug/L	0.00
21) 2-Butanone-d5	4.68	46	127938	84.69	ug/L	0.00
24) Chloroform-d	5.11	84	172256	48.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	106918	45.34	ug/L	0.00
32) Benzene-d6	5.77	84	370796	52.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	116006	50.44	ug/L	0.00
41) Toluene-d8	7.93	98	356518	52.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	56444	46.41	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	114135	98.49	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	171775	49.91	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	133623	52.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	103724	41.601	ug/L 100
3) Chloromethane	1.54	50	114290	49.460	ug/L 100
5) Vinyl chloride	1.62	62	120642	51.679	ug/L 100
6) Bromomethane	1.87	94	70054	49.743	ug/L 100
8) Chloroethane	1.95	64	72638	52.173	ug/L 100
9) Trichlorofluoromethane	2.16	101	140604	45.538	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	88529	52.589	ug/L 100
12) 1,1-Dichloroethene	2.61	96	86235	51.772	ug/L 100
13) Acetone	2.66	43	119861	74.540	ug/L 100
14) Carbon disulfide	2.83	76	257810	48.400	ug/L 100
15) Methyl Acetate	2.99	43	99978	45.545	ug/L 100
16) Methylene chloride	3.08	84	105923	51.603	ug/L 100
17) trans-1,2-Dichloroethene	3.39	96	93826	51.196	ug/L 100
18) Methyl tert-butyl Ether	3.41	73	307415	49.913	ug/L 100
19) 1,1-Dichloroethane	3.92	63	169109	49.699	ug/L 100
20) cis-1,2-Dichloroethene	4.72	96	109219	52.179	ug/L 100
22) 2-Butanone	4.76	43	153065	83.236	ug/L 100
23) Bromochloromethane	5.02	128	55913	54.409	ug/L 100
25) Chloroform	5.14	83	171710	47.508	ug/L 100
27) 1,2-Dichloroethane	5.84	62	131241	46.320	ug/L 100
29) Cyclohexane	5.43	56	148965	46.930	ug/L 100
30) 1,1,1-Trichloroethane	5.36	97	139653	45.023	ug/L 100
31) Carbon tetrachloride	5.57	117	120741	45.567	ug/L 100
33) Benzene	5.82	78	401538	51.748	ug/L 100
34) Trichloroethene	6.58	95	100893	48.802	ug/L 100
35) Methylcyclohexane	6.80	83	168602	52.077	ug/L 100
37) 1,2-Dichloropropane	6.83	63	104326	50.785	ug/L 100
38) Bromodichloromethane	7.14	83	131224	47.370	ug/L 100
39) cis-1,3-Dichloropropene	7.64	75	169256	51.215	ug/L 100
40) 4-Methyl-2-pentanone	7.83	43	268765	84.599	ug/L 100

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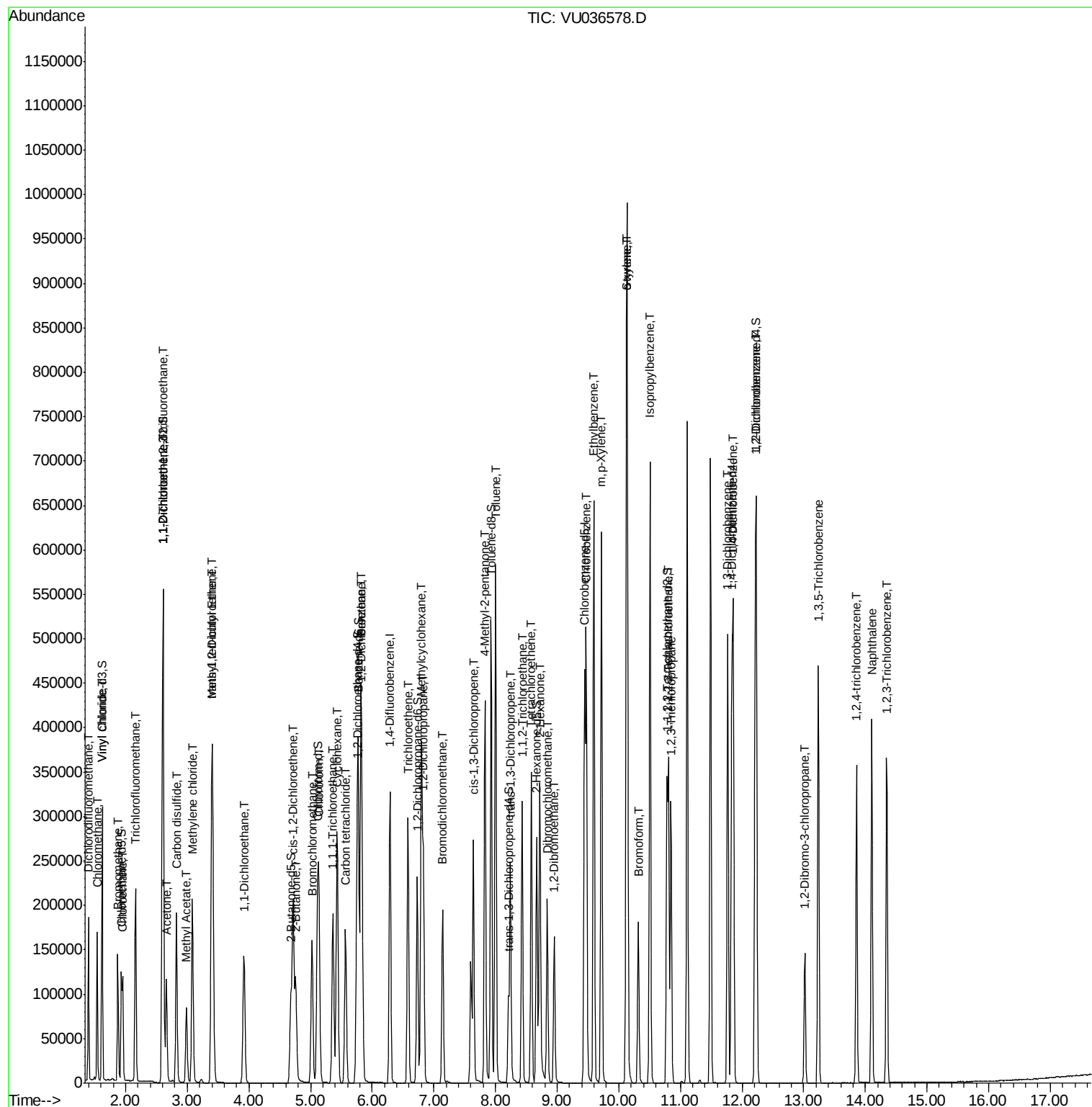
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	438632	52.005	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	147851	48.868	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	103080	52.118	ug/L	100
46) Tetrachloroethene	8.58	164	83085	57.397	ug/L	100
48) 2-Hexanone	8.72	43	213634	85.056	ug/L	100
49) Dibromochloromethane	8.84	129	111411	51.250	ug/L	100
50) 1,2-Dibromoethane	8.95	107	113850	51.272	ug/L	100
51) Chlorobenzene	9.47	112	282081	52.842	ug/L	100
52) Ethylbenzene	9.60	91	475021	50.713	ug/L	100
53) m,p-Xylene	9.72	106	184786	52.266	ug/L	100
54) o-xylene	10.12	106	186509	52.698	ug/L	100
55) Styrene	10.14	104	309128	53.970	ug/L	100
56) Isopropylbenzene	10.51	105	471095	52.228	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	180446	52.747	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	138899	49.409	ug/L	100
61) Bromoform	10.32	173	85398	48.655	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	216109	52.407	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	212749	51.692	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	219531	53.853	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	37001	43.229	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	153136	59.536	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	116120	61.077	ug/L	100
69) Naphthalene	14.10	128	331985	53.095	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	117722	59.514	ug/L	100

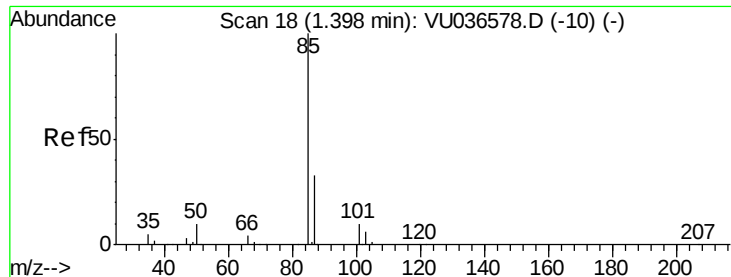
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 41.601 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU036578.D

Acq: 28 Jan 2020 17:35

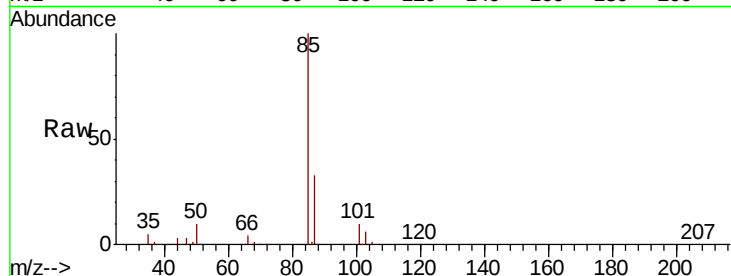
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 103724

Ion Ratio Lower Upper

85 100

87 32.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU036578.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036578.D (-10) (-)

1.40

100000

80000

60000

40000

20000

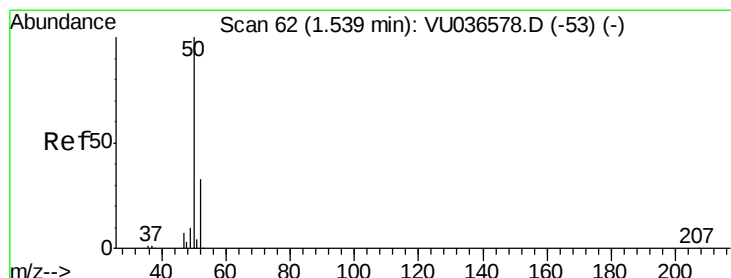
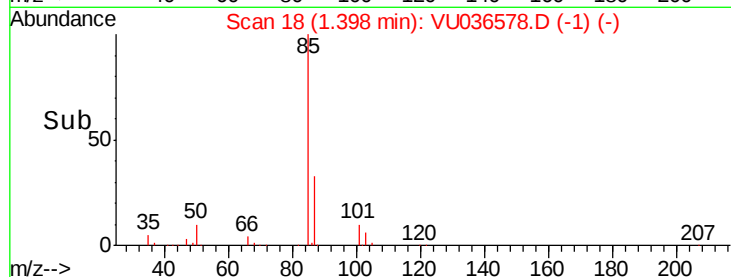
0

1.35

1.40

1.45

Time-->



#3

Chloromethane

Concen: 49.460 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036578.D

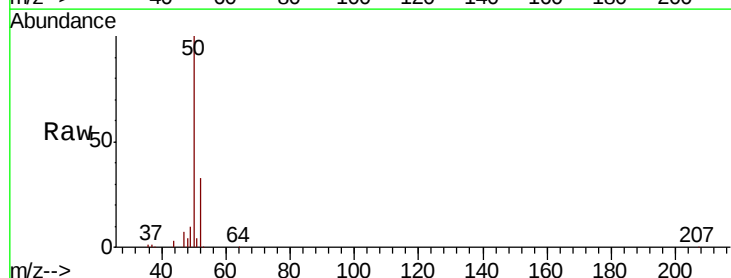
Acq: 28 Jan 2020 17:35

Tgt Ion: 50 Resp: 114290

Ion Ratio Lower Upper

50 100

52 33.1 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU036578.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036578.D (-53) (-)

1.54

120000

100000

80000

60000

40000

20000

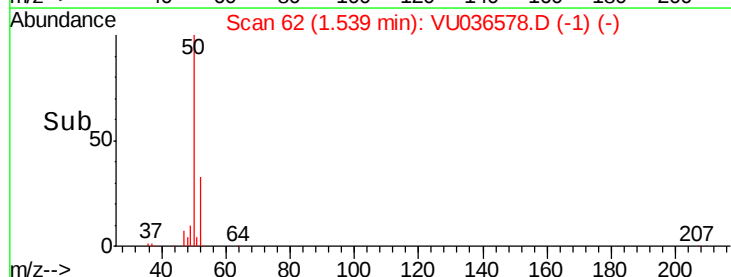
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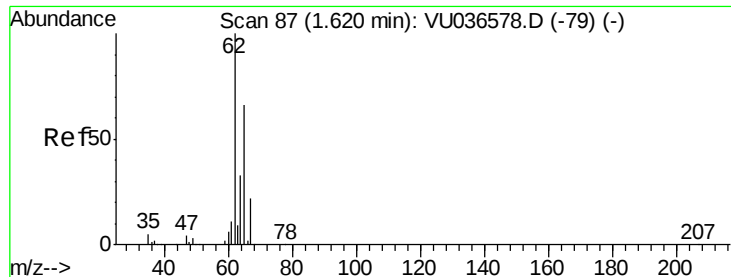
1.50

1.54

1.60

Time-->





#5

Vinyl chloride

Concen: 51.679 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036578.D

Acq: 28 Jan 2020 17:35

Instrument :

MSVOA_U

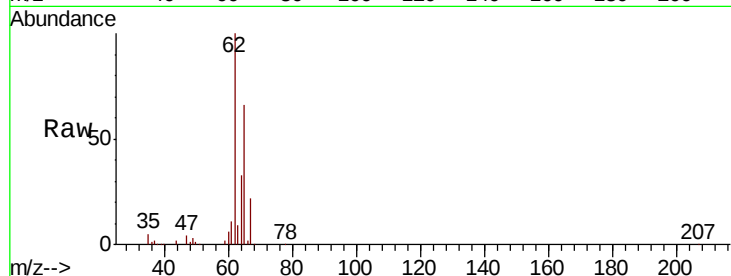
ClientSampled :

Tot Ion: 62 Resp: 120642

Ion Ratio Lower Upper

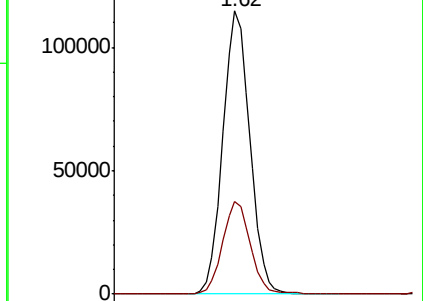
62 100

64 32.7 22.9 42.5

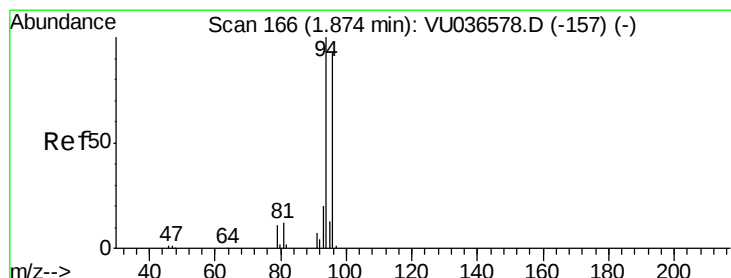
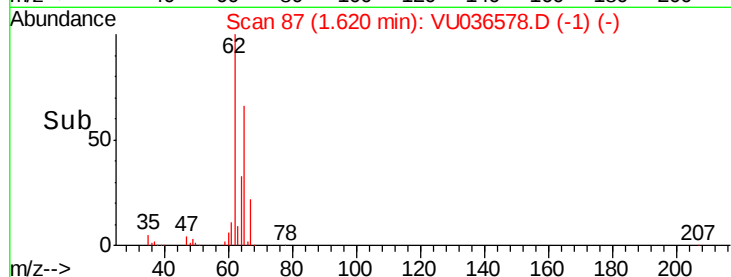


Abundance Ion 62.00 (61.70 to 62.70): VU036578.D (-79) (-)

Ion 64.00 (63.70 to 64.70): VU036578.D (-79) (-)



Time-->



#6

Bromomethane

Concen: 49.743 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036578.D

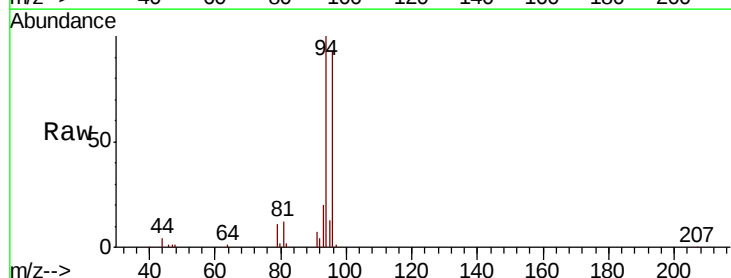
Acq: 28 Jan 2020 17:35

Tgt Ion: 94 Resp: 70054

Ion Ratio Lower Upper

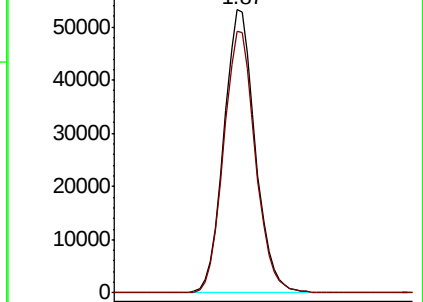
94 100

96 92.6 64.8 120.4

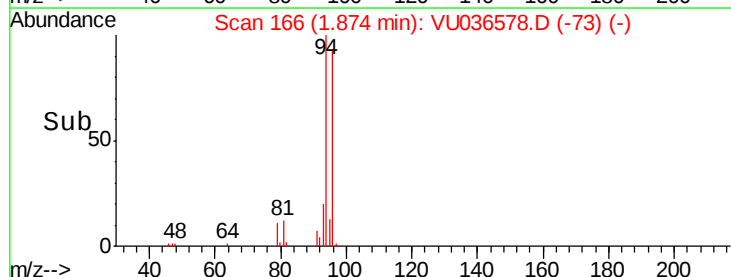


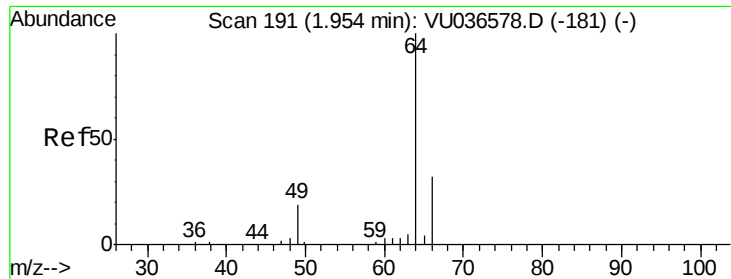
Abundance Ion 94.00 (93.70 to 94.70): VU036578.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU036578.D (-157) (-)



Time-->

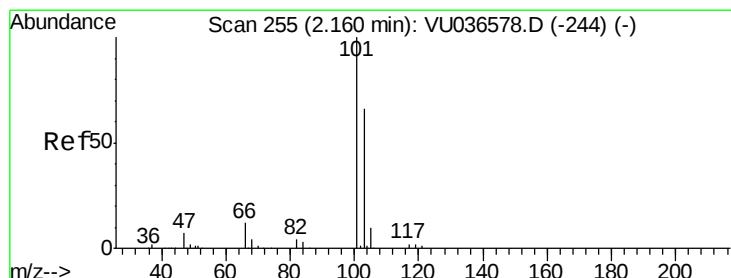
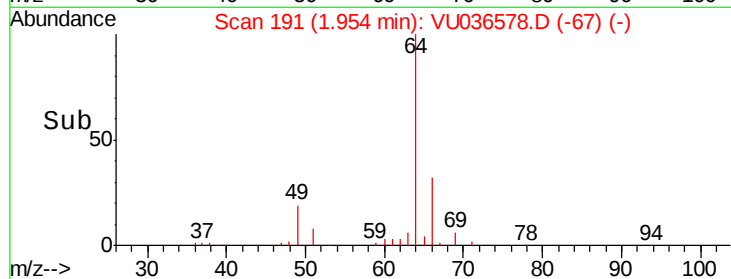
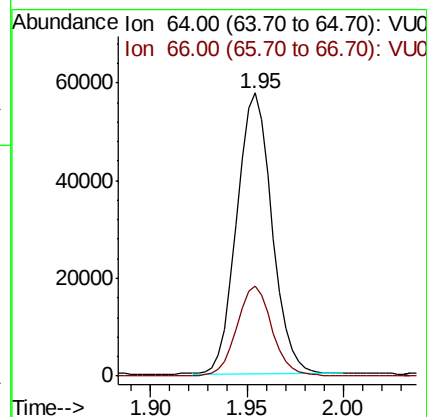
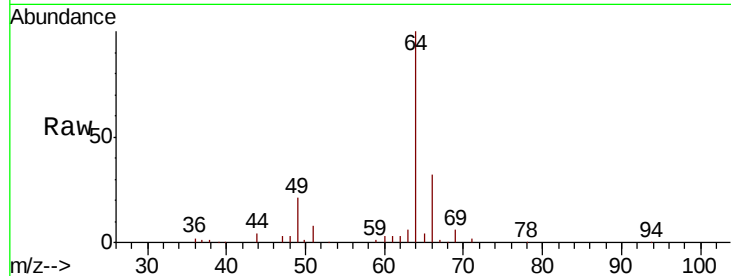




#8
Chloroethane
Concen: 52.173 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

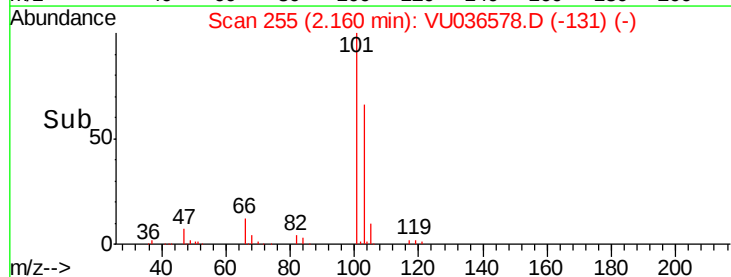
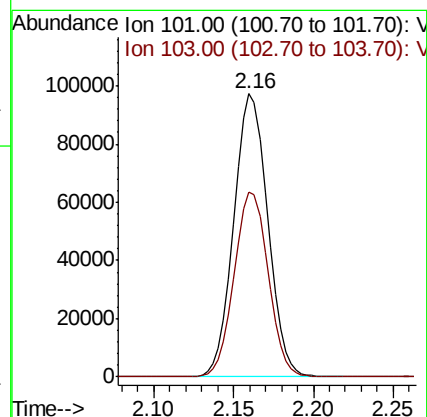
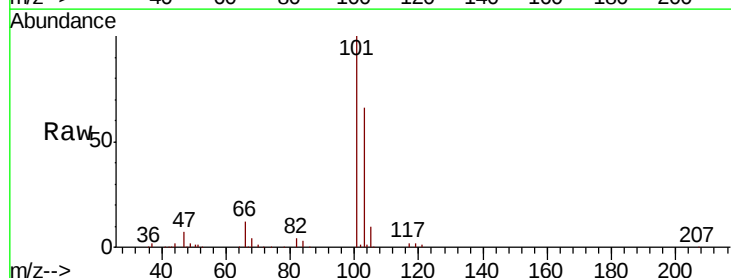
Instrument :
MSVOA_U
ClientSampleId :

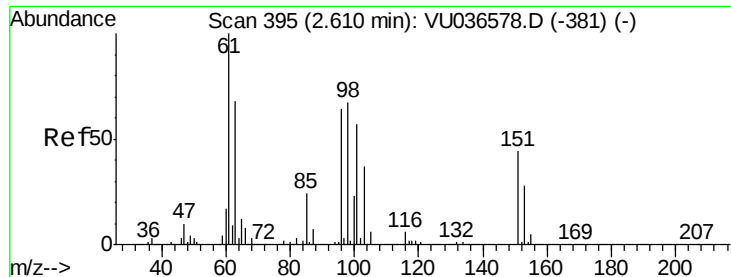
Tot Ion: 64 Resp: 72638
Ion Ratio Lower Upper
64 100
66 32.0 22.4 41.6



#9
Trichlorofluoromethane
Concen: 45.538 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

Tgt Ion: 101 Resp: 140604
Ion Ratio Lower Upper
101 100
103 65.5 52.4 78.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 52.589 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU036578.D

Acq: 28 Jan 2020 17:35

Instrument :

MSVOA_U

ClientSampled :

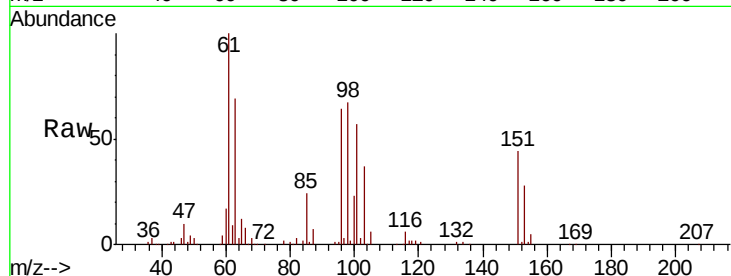
Tot Ion:101 Resp: 88529

Ion Ratio Lower Upper

101 100

85 40.8 32.6 49.0

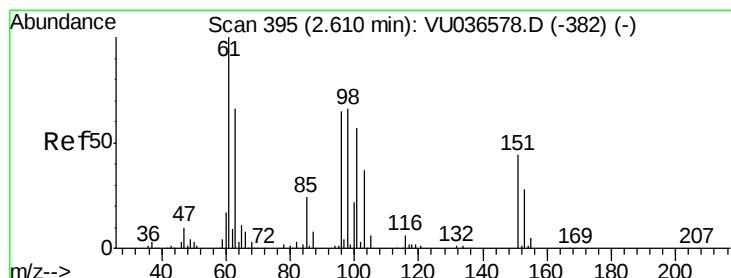
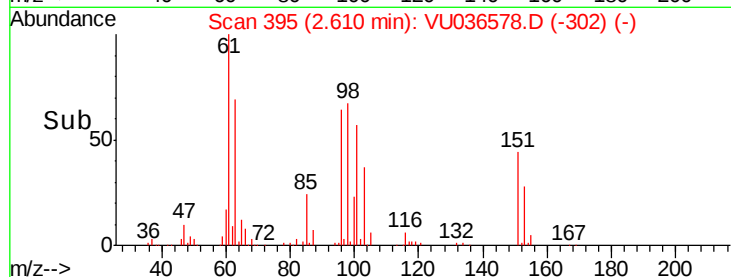
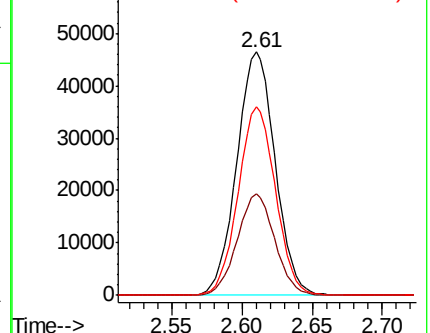
151 75.4 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 51.772 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU036578.D

Acq: 28 Jan 2020 17:35

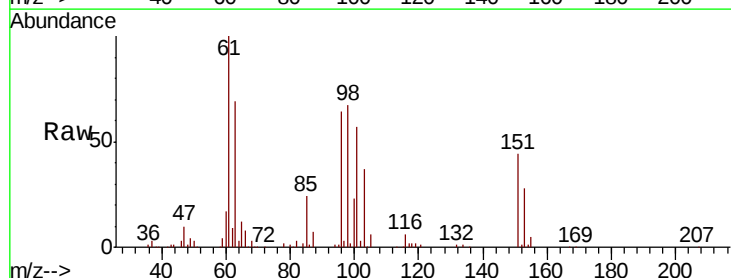
Tgt Ion: 96 Resp: 86235

Ion Ratio Lower Upper

96 100

61 155.2 108.6 201.8

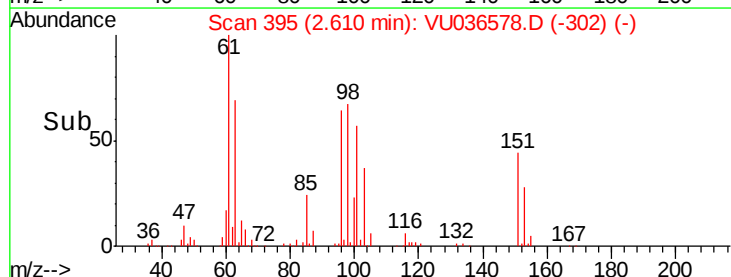
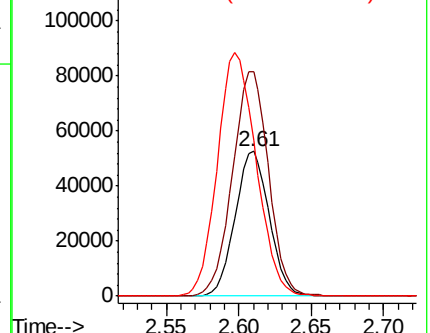
63 107.1 75.0 139.2

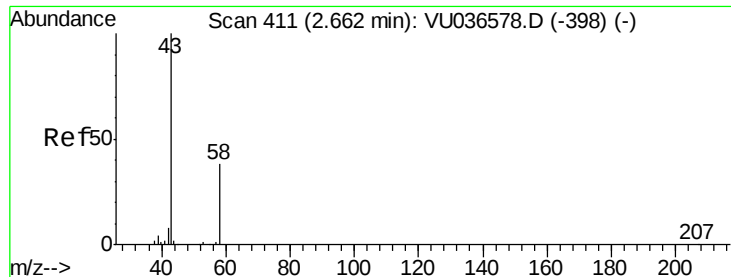


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 74.540 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036578.D

Acq: 28 Jan 2020 17:35

Instrument :

MSVOA_U

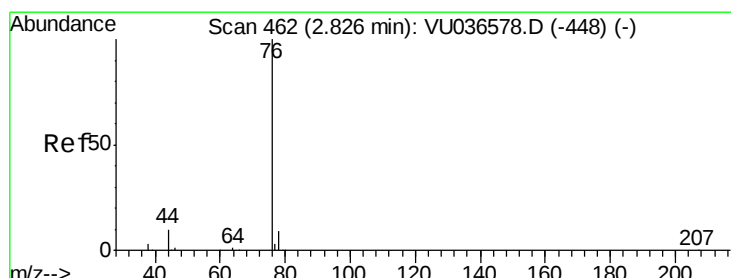
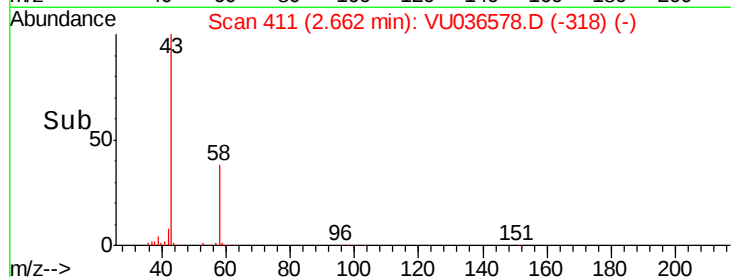
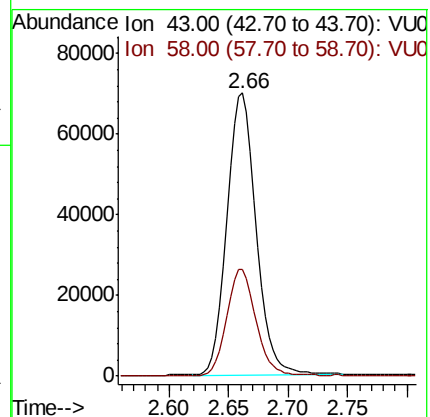
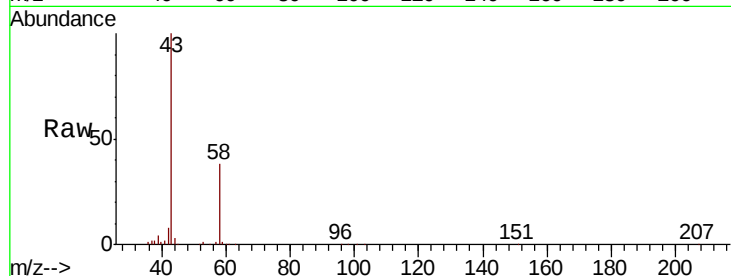
ClientSampleId :

Tot Ion: 43 Resp: 119861

Ion Ratio Lower Upper

43 100

58 37.7 0.0 75.4



#14

Carbon disulfide

Concen: 48.400 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU036578.D

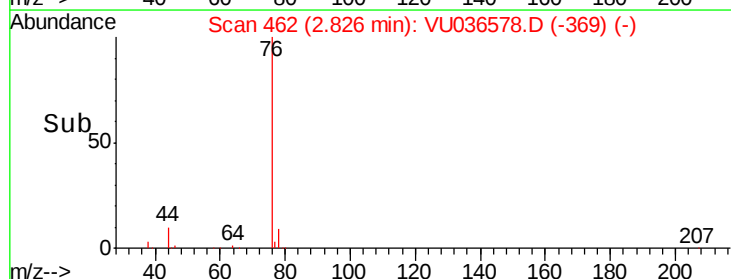
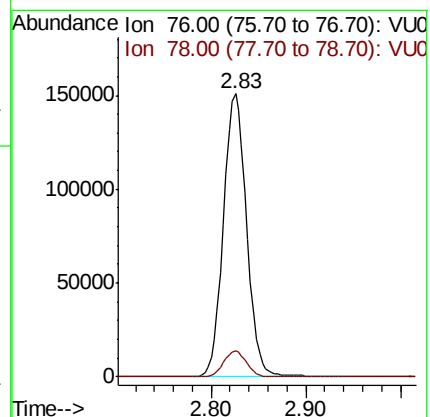
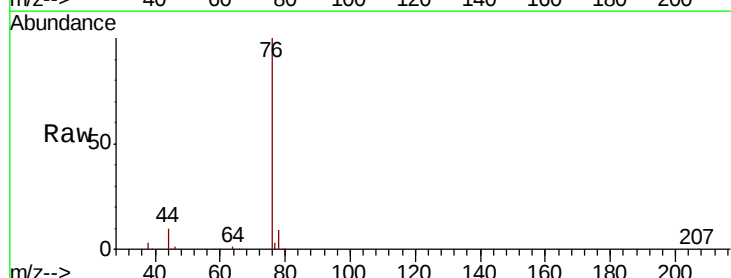
Acq: 28 Jan 2020 17:35

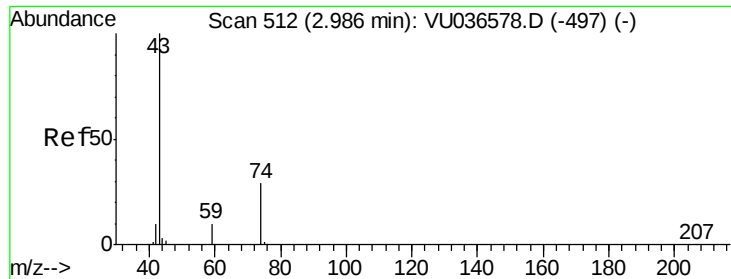
Tgt Ion: 76 Resp: 257810

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

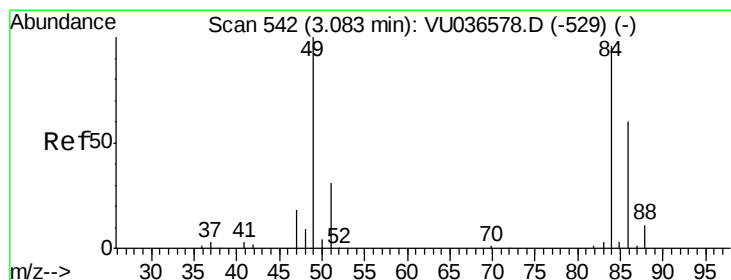
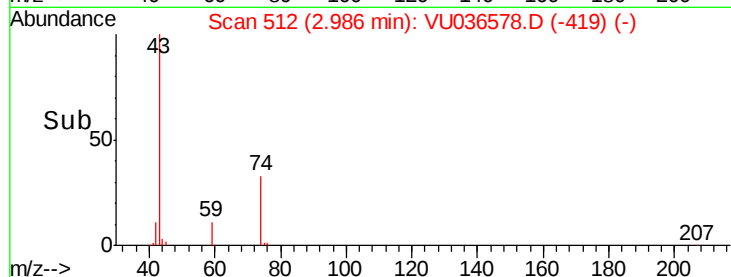
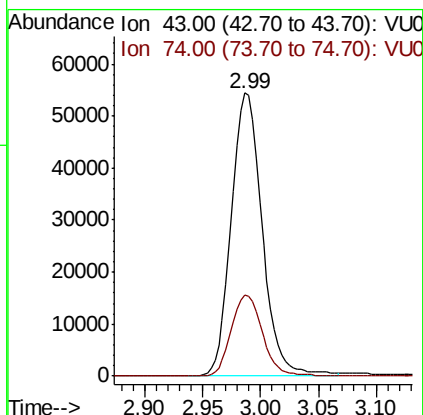
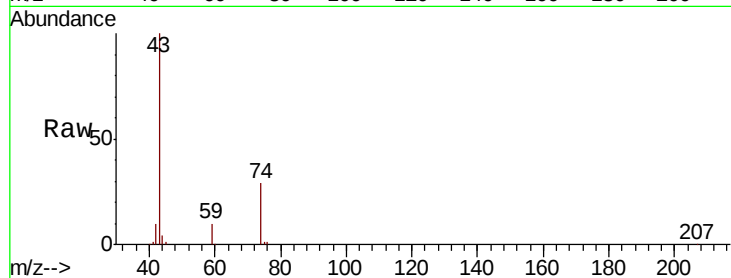




#15
Methyl Acetate
Concen: 45.545 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

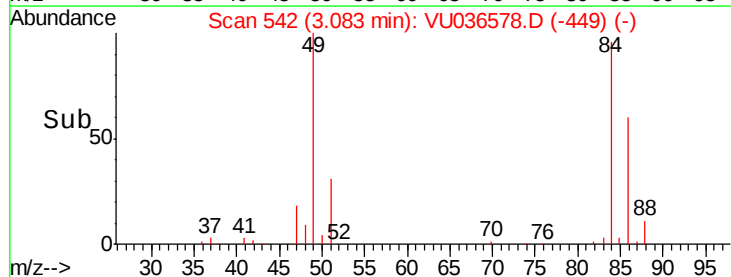
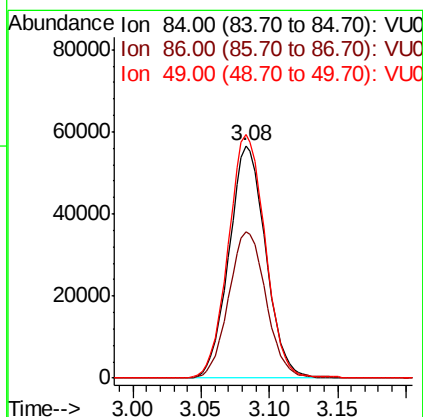
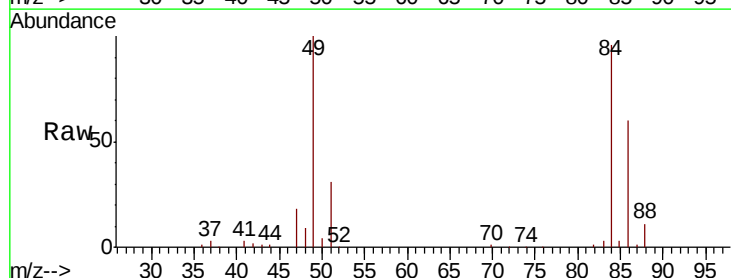
Instrument :
MSVOA_U
ClientSampleId :

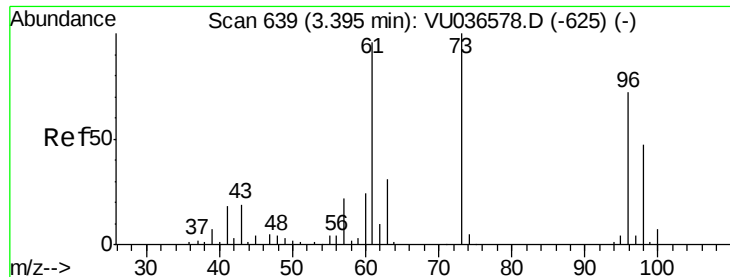
Tot Ion: 43 Resp: 99978
Ion Ratio Lower Upper
43 100
74 29.1 23.3 34.9



#16
Methylene chloride
Concen: 51.603 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

Tgt Ion: 84 Resp: 105923
Ion Ratio Lower Upper
84 100
86 63.0 44.1 81.9
49 104.7 73.3 136.1

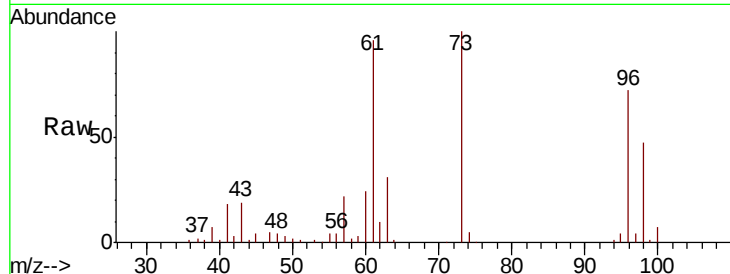




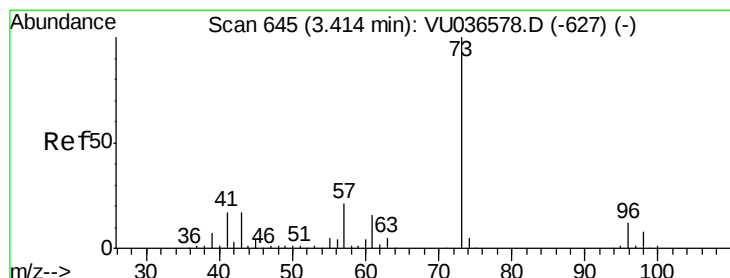
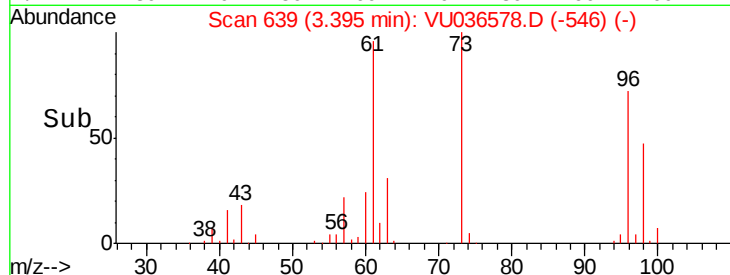
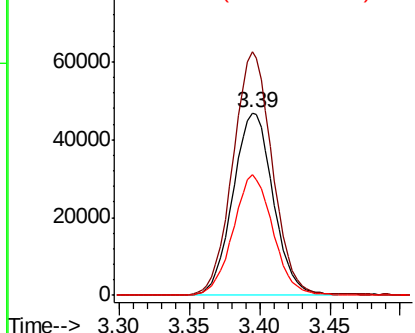
#17
trans-1,2-Dichloroethene
Concen: 51.196 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 93826
Ion Ratio Lower Upper
96 100
61 133.4 93.4 173.4
98 65.8 46.1 85.5

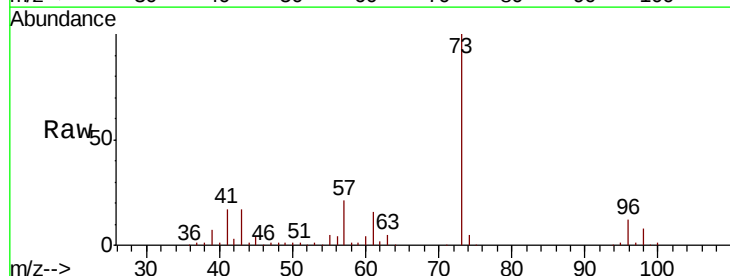


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

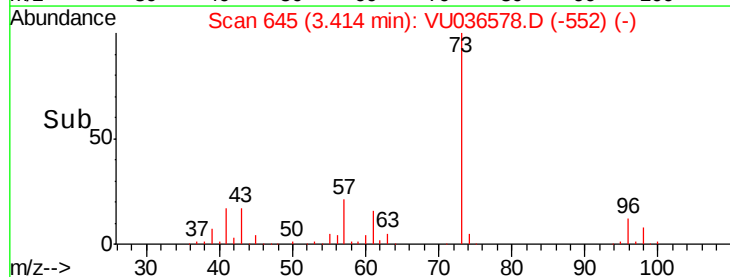
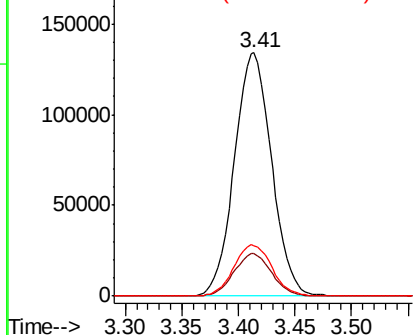


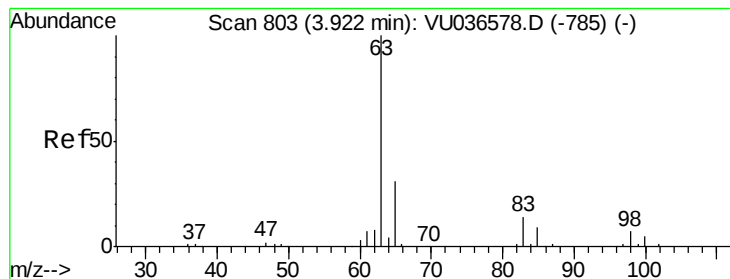
#18
Methyl tert-butyl Ether
Concen: 49.913 ug/L
RT: 3.41 min Scan# 645
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

Tgt Ion: 73 Resp: 307415
Ion Ratio Lower Upper
73 100
43 17.8 14.2 21.4
57 21.6 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 49.699 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU036578.D

Acq: 28 Jan 2020 17:35

Instrument :

MSVOA_U

ClientSampleId :

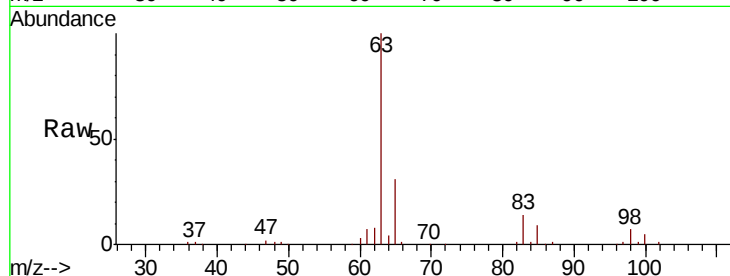
Tot Ion: 63 Resp: 169109

Ion Ratio Lower Upper

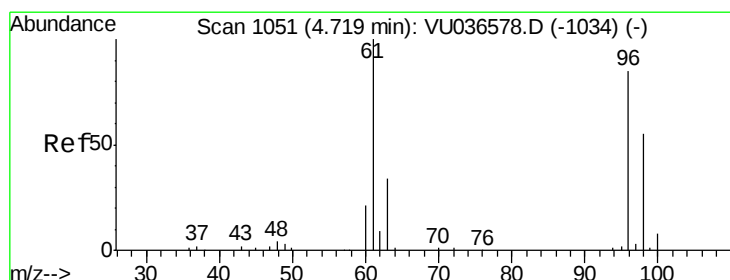
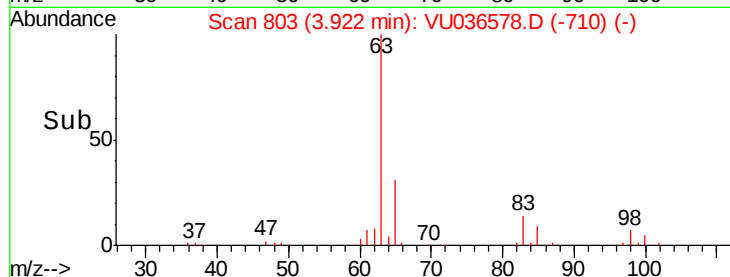
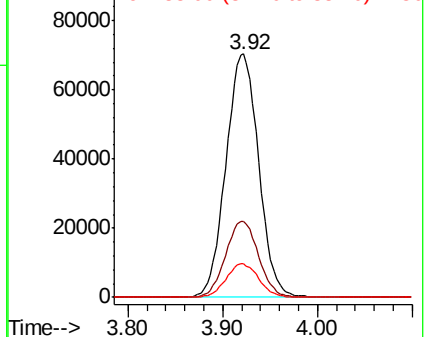
63 100

65 31.3 21.9 40.7

83 13.8 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 52.179 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU036578.D

Acq: 28 Jan 2020 17:35

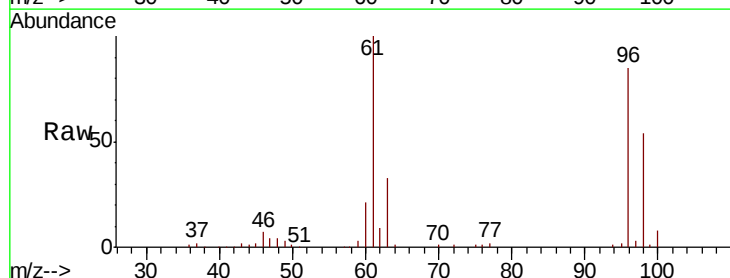
Tgt Ion: 96 Resp: 109219

Ion Ratio Lower Upper

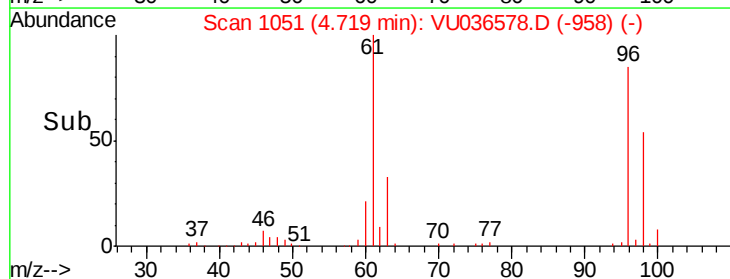
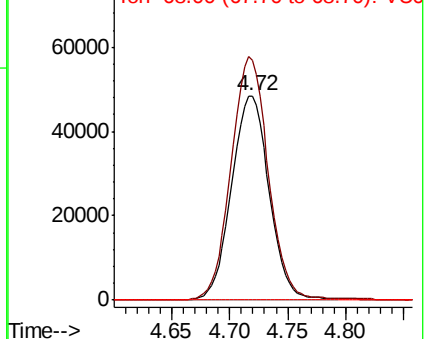
96 100

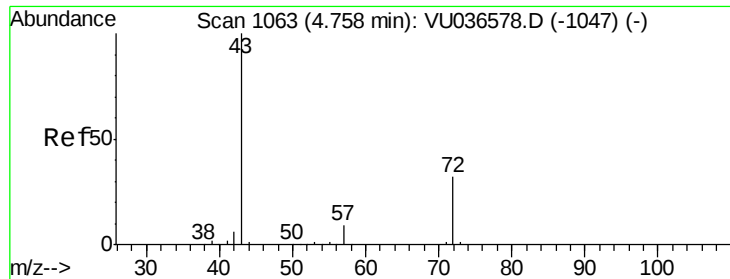
61 117.4 82.2 152.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 83.236 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU036578.D

Acq: 28 Jan 2020 17:35

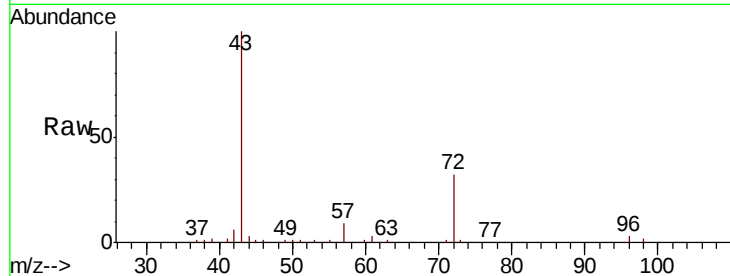
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 153065

Ion Ratio Lower Upper

43 100

72 33.4 16.7 50.1



Abundance Ion 43.00 (42.70 to 43.70): VU036578.D (-1047) (-)

Ion 72.00 (71.70 to 72.70): VU036578.D (-1047) (-)

4.76

60000

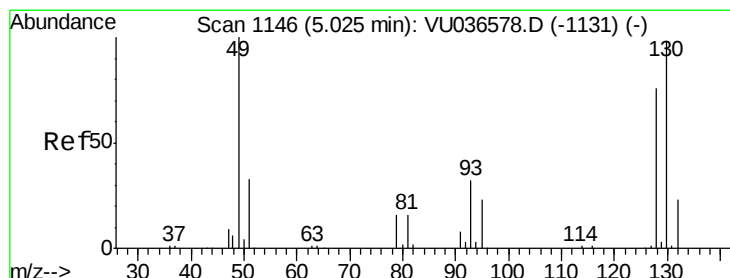
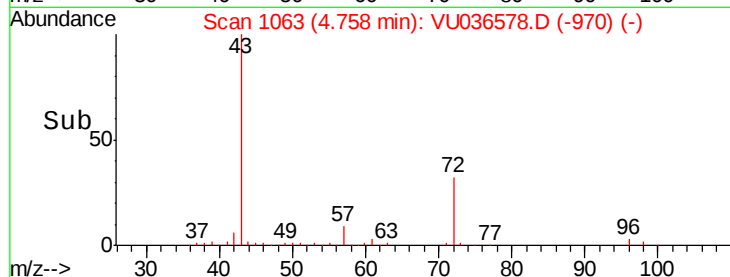
40000

20000

0

4.65 4.70 4.75 4.80 4.85

Time-->



#23

Bromochloromethane

Concen: 54.409 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU036578.D

Acq: 28 Jan 2020 17:35

Tgt Ion:128 Resp: 55913

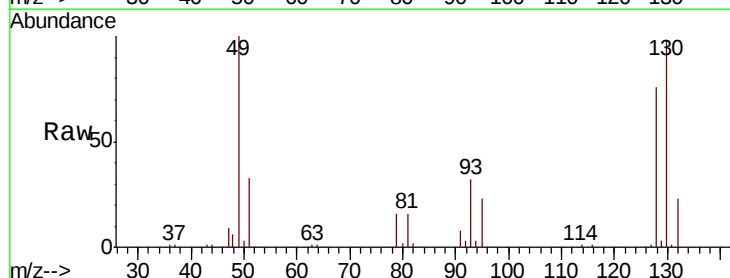
Ion Ratio Lower Upper

128 100

49 132.2 92.5 171.9

130 129.2 90.4 168.0

51 43.3 34.6 52.0



Abundance Ion 128.00 (127.70 to 128.70): VU036578.D (-1131) (-)

Ion 49.00 (48.70 to 49.70): VU036578.D (-1131) (-)

Ion 130.00 (129.70 to 130.70): VU036578.D (-1131) (-)

Ion 51.00 (50.70 to 51.70): VU036578.D (-1131) (-)

5.02

40000

30000

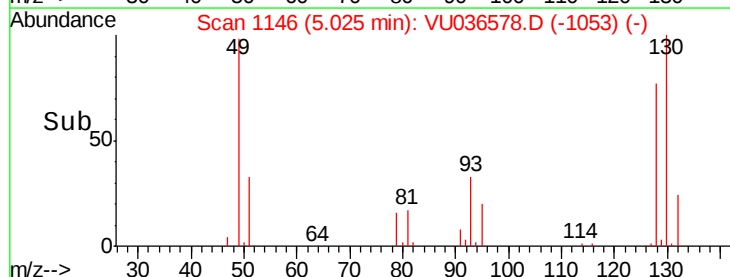
20000

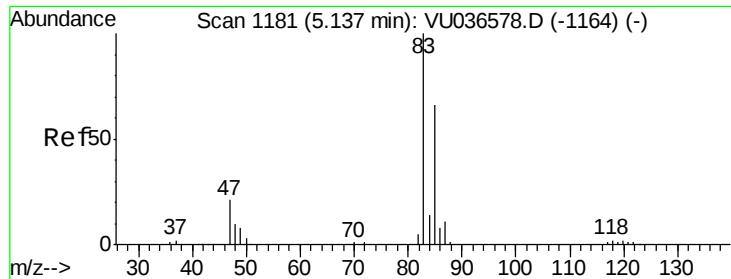
10000

0

4.95 5.00 5.05 5.10

Time-->

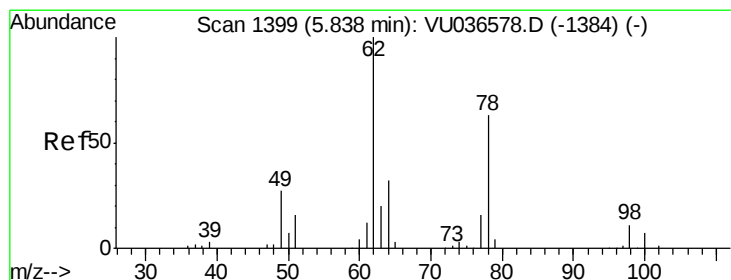
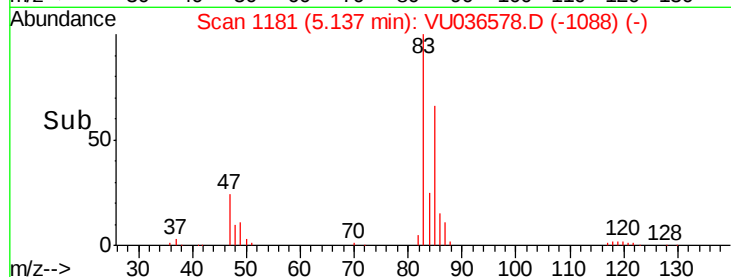
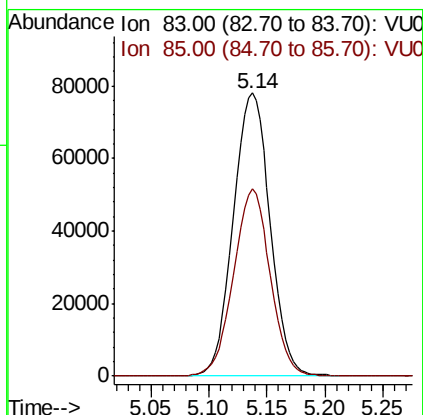
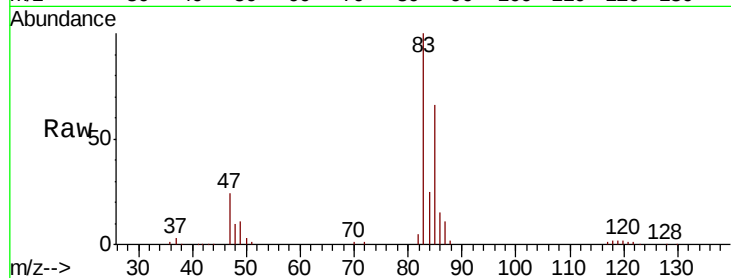




#25
Chloroform
Concen: 47.508 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

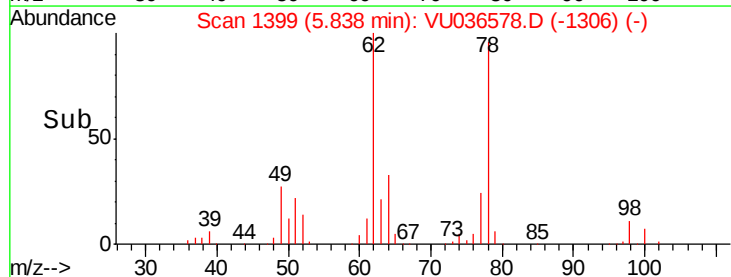
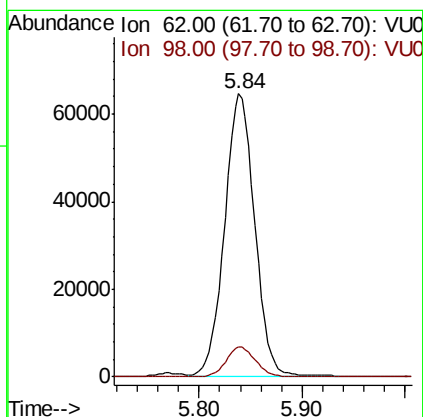
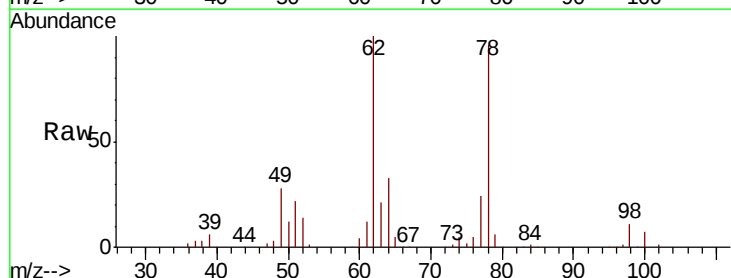
Instrument :
MSVOA_U
ClientSampleId :

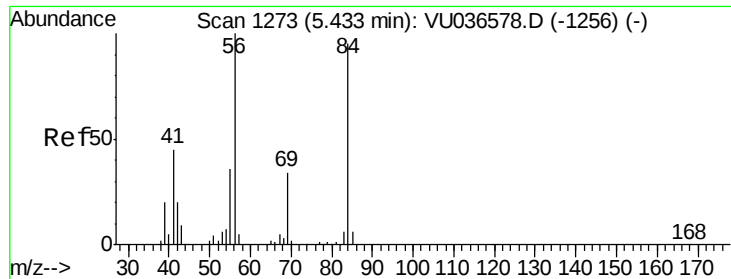
Tot Ion: 83 Resp: 171710
Ion Ratio Lower Upper
83 100
85 66.1 46.3 85.9



#27
1,2-Dichloroethane
Concen: 46.320 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

Tgt Ion: 62 Resp: 131241
Ion Ratio Lower Upper
62 100
98 10.5 8.4 12.6

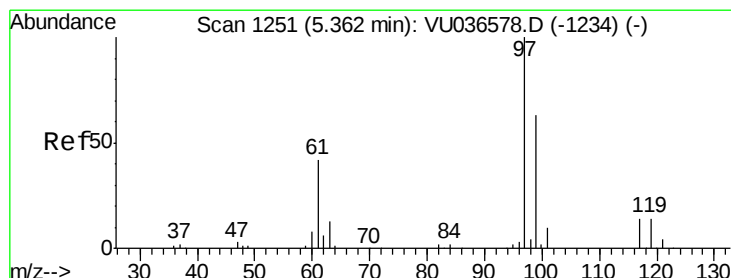
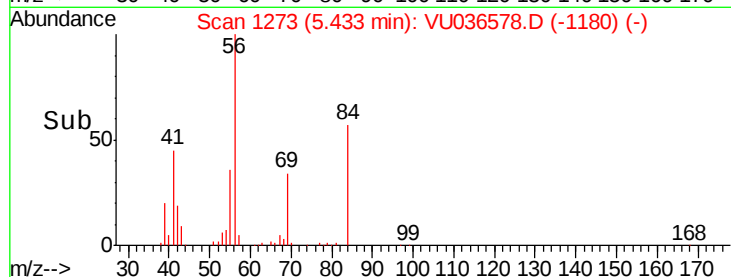
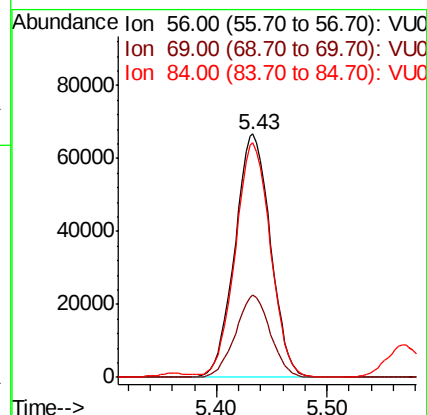
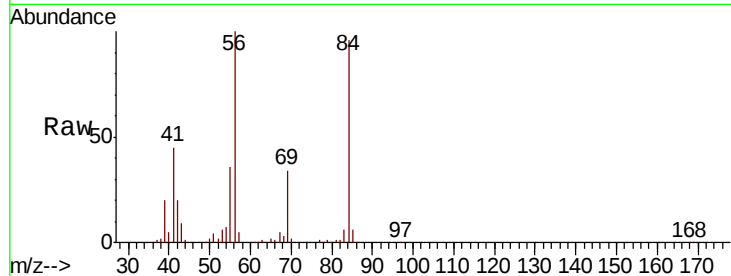




#29
Cyclohexane
Concen: 46.930 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

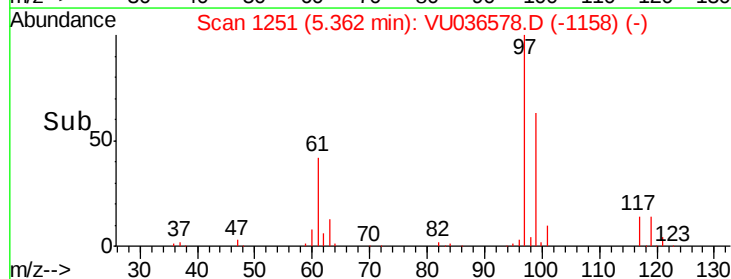
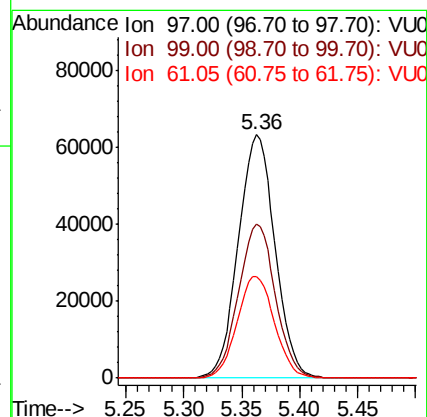
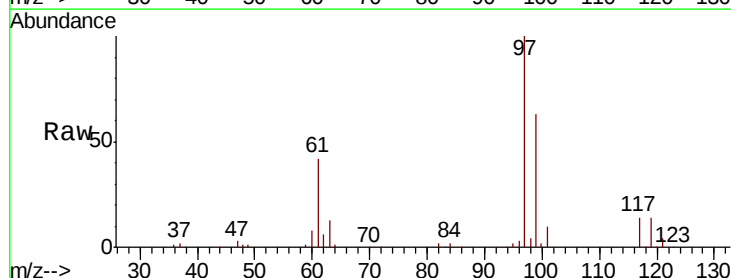
Instrument :
MSVOA_U
ClientSampleId :

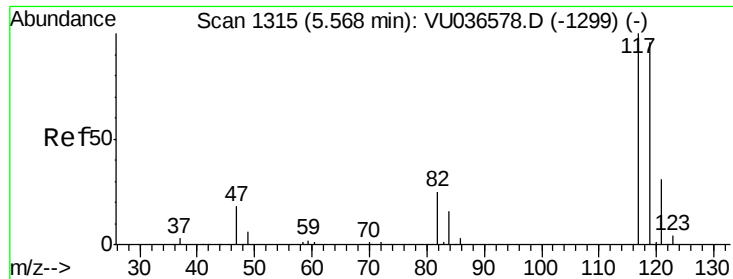
Tot Ion: 56 Resp: 148965
Ion Ratio Lower Upper
56 100
69 33.0 26.4 39.6
84 95.7 76.6 114.8



#30
1,1,1-Trichloroethane
Concen: 45.023 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

Tgt Ion: 97 Resp: 139653
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.4
61 42.6 34.1 51.1

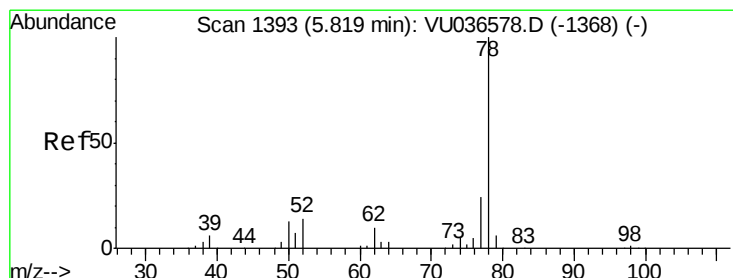
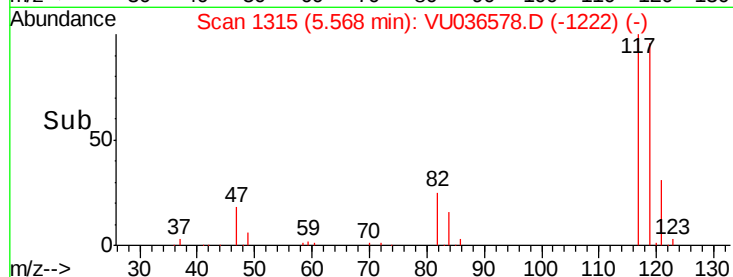
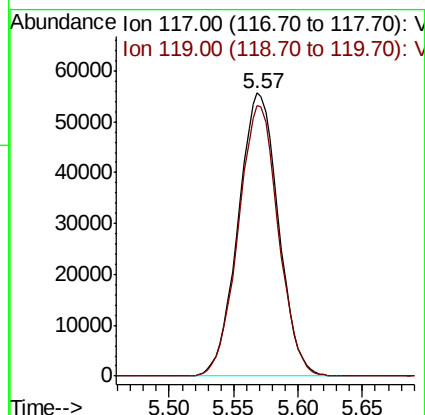
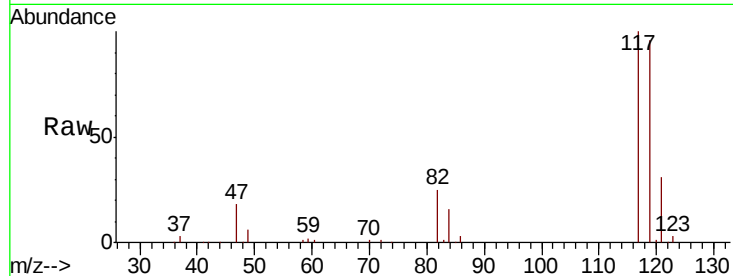




#31
Carbon tetrachloride
Concen: 45.567 ug/L
RT: 5.57 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

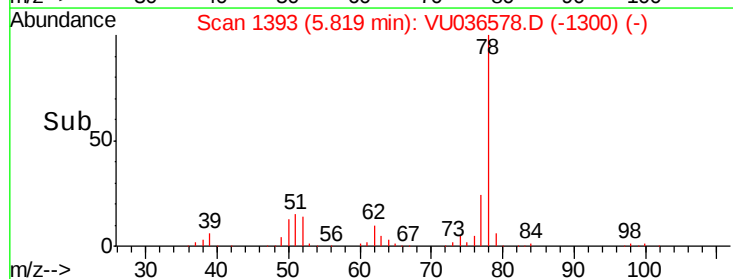
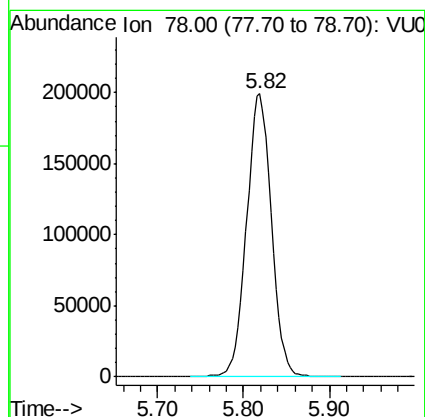
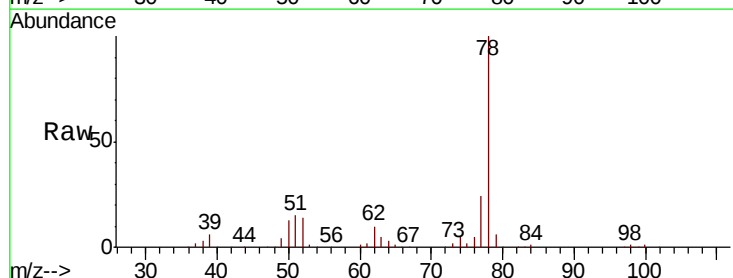
Instrument :
MSVOA_U
ClientSampleId :

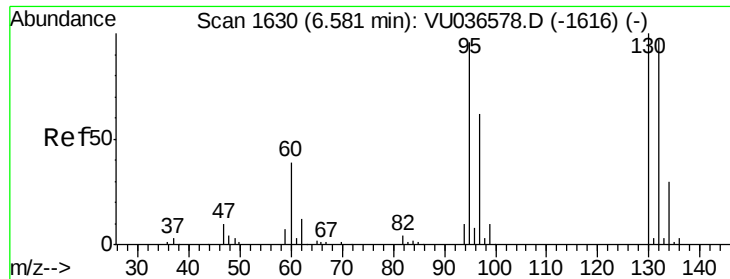
Tot Ion:117 Resp: 120741
Ion Ratio Lower Upper
117 100
119 95.2 76.2 114.2



#33
Benzene
Concen: 51.748 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

Tgt Ion: 78 Resp: 401538

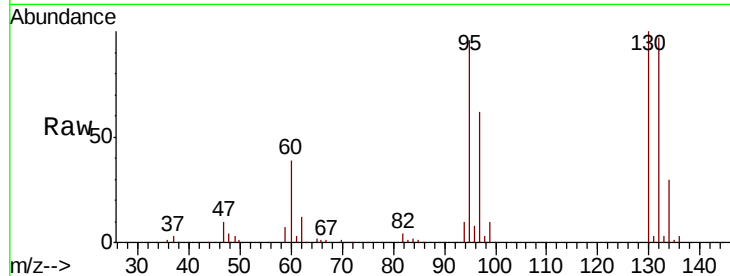




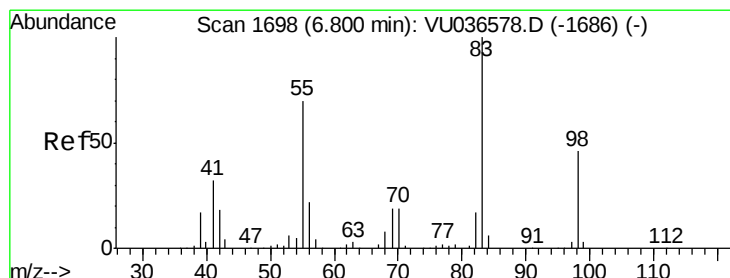
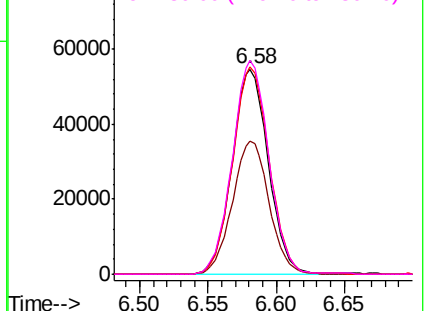
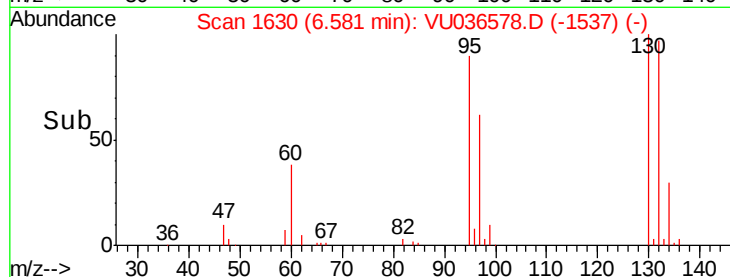
#34
 Trichloroethene
 Concen: 48.802 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU036578.D
 Acq: 28 Jan 2020 17:35

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 100893
 Ion Ratio Lower Upper
 95 100
 97 65.0 45.5 84.5
 132 101.3 70.9 131.7
 130 104.1 72.9 135.3

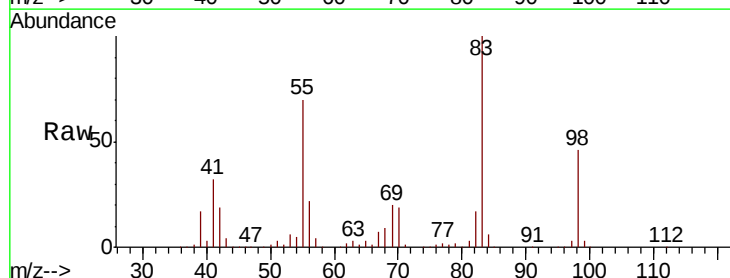


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

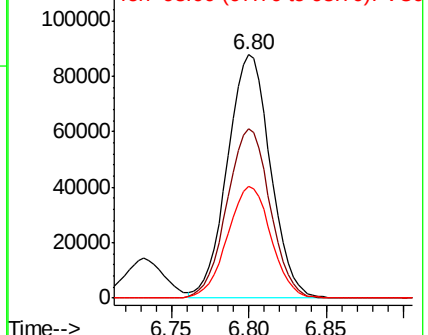
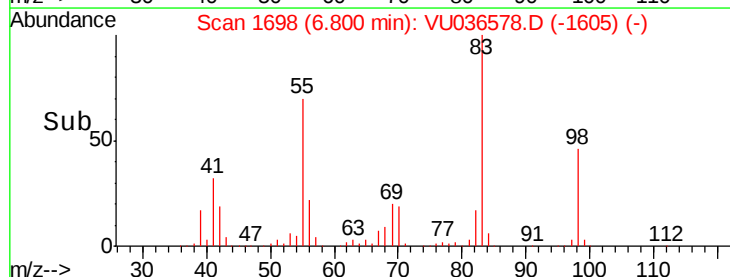


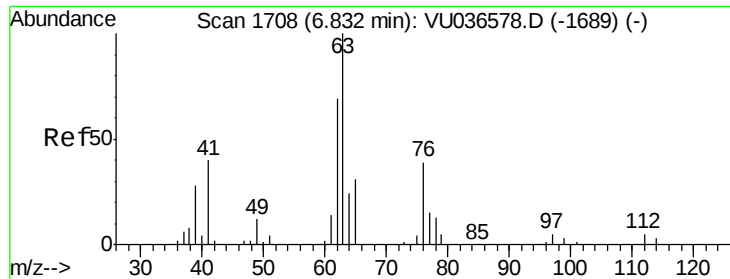
#35
 Methylcyclohexane
 Concen: 52.077 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU036578.D
 Acq: 28 Jan 2020 17:35

Tgt Ion: 83 Resp: 168602
 Ion Ratio Lower Upper
 83 100
 55 70.1 56.1 84.1
 98 46.9 37.5 56.3



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

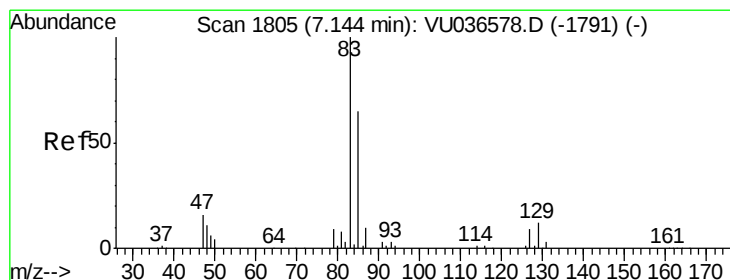
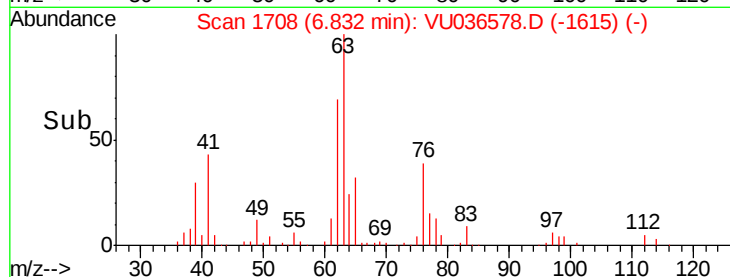
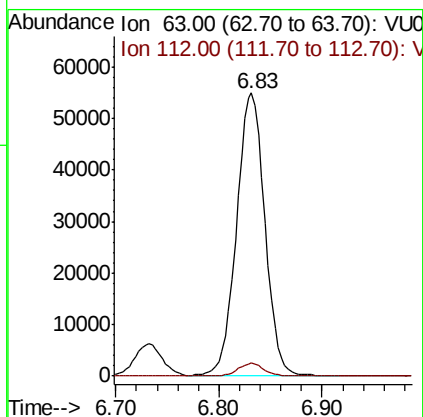
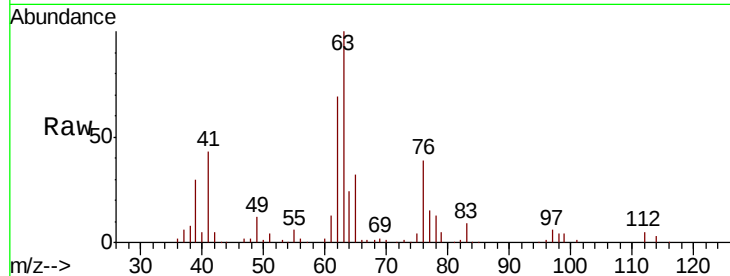




#37
 1,2-Dichloropropane
 Concen: 50.785 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU036578.D
 Acq: 28 Jan 2020 17:35

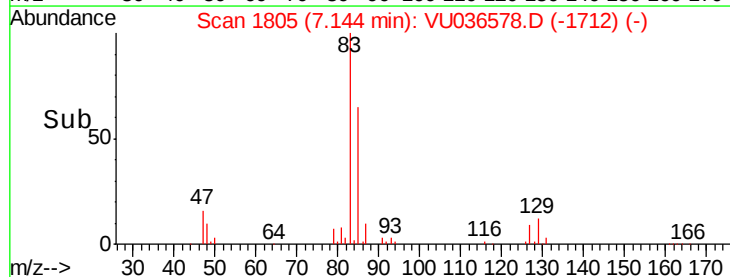
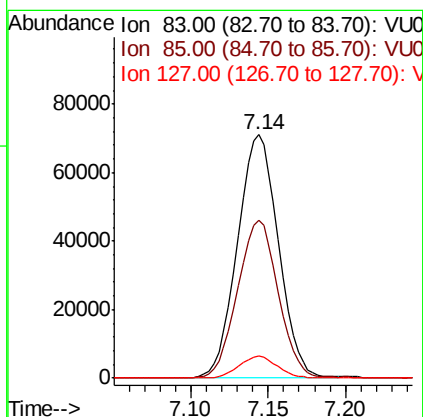
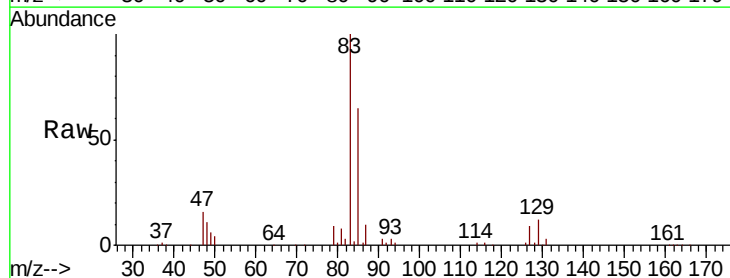
Instrument :
 MSVOA_U
 ClientSampleId :

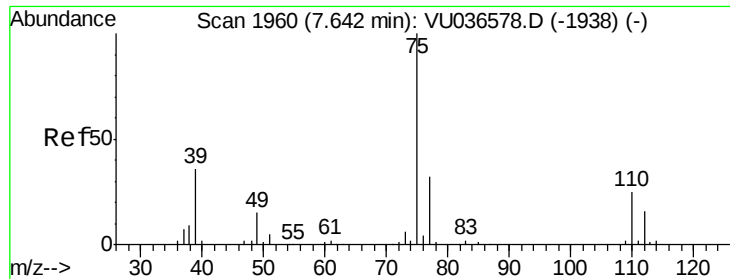
Tot Ion: 63 Resp: 104326
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 47.370 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036578.D
 Acq: 28 Jan 2020 17:35

Tgt Ion: 83 Resp: 131224
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.4 84.4
 127 9.0 7.2 10.8

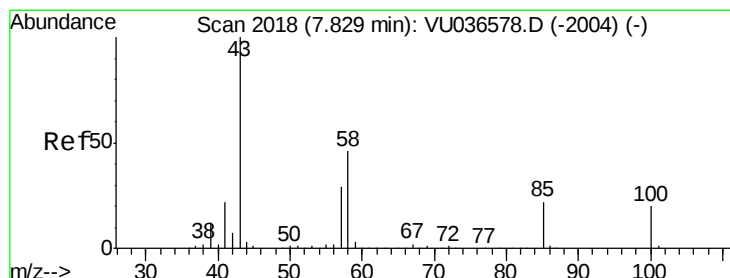
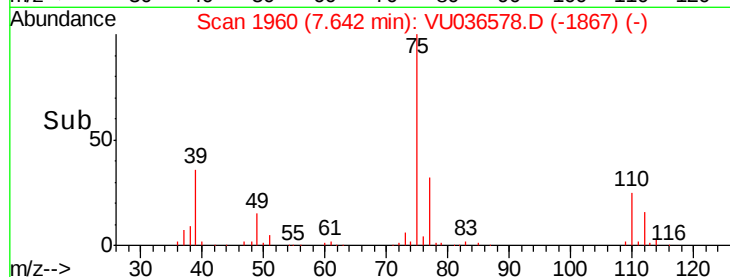
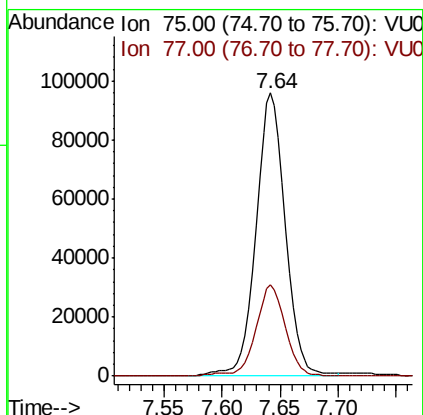
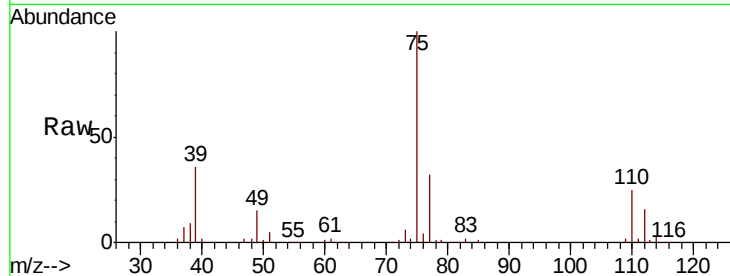




#39
 cis-1,3-Dichloropropene
 Concen: 51.215 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036578.D
 Acq: 28 Jan 2020 17:35

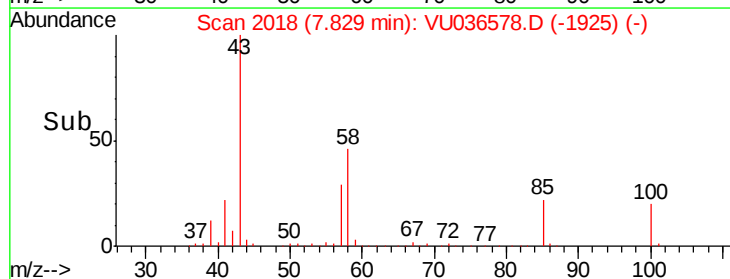
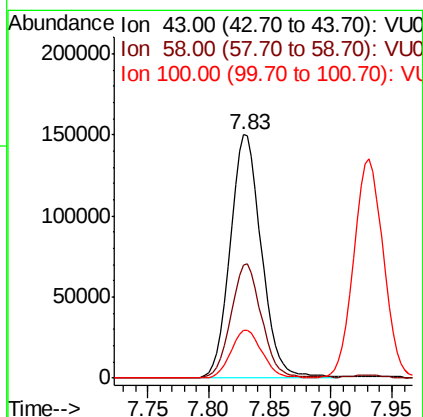
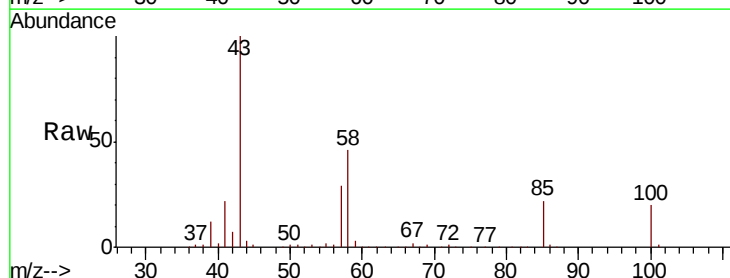
Instrument :
 MSVOA_U
 ClientSampleId :

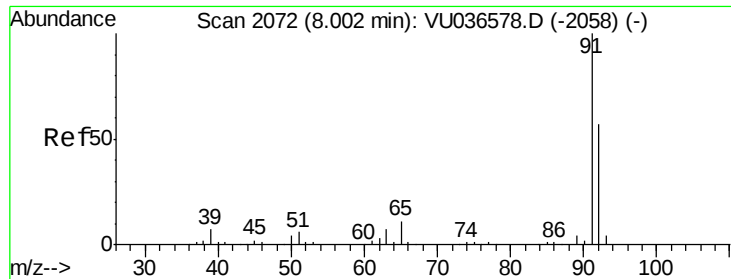
Tot Ion: 75 Resp: 169256
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 84.599 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VU036578.D
 Acq: 28 Jan 2020 17:35

Tgt Ion: 43 Resp: 268765
 Ion Ratio Lower Upper
 43 100
 58 46.2 37.0 55.4
 100 19.7 15.8 23.6





#42

Toluene

Concen: 52.005 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036578.D

Acq: 28 Jan 2020 17:35

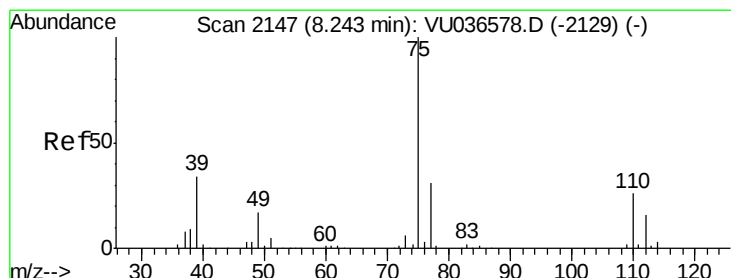
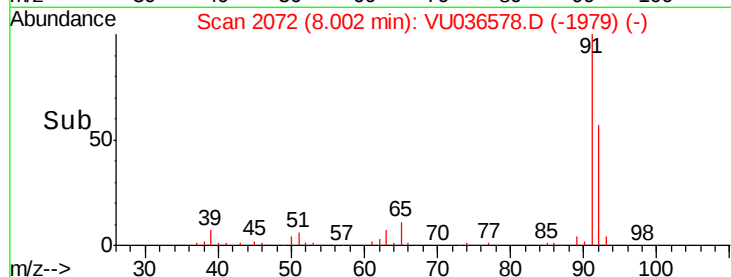
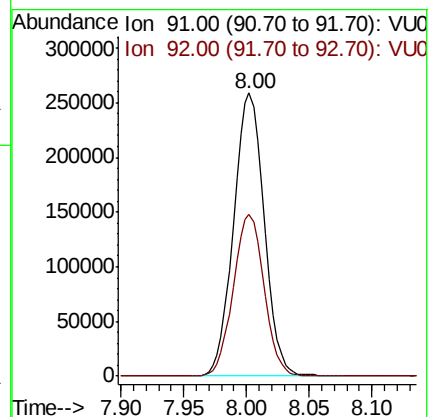
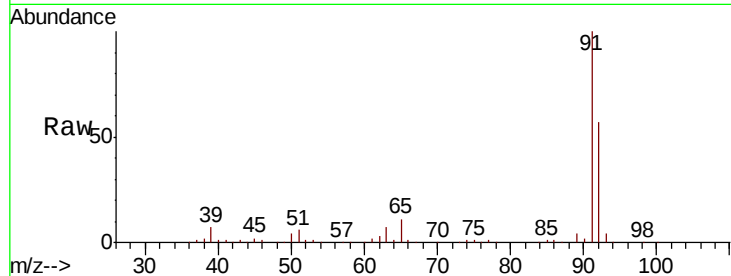
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 438632

Ion Ratio Lower Upper

91 100

92 57.0 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 48.868 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036578.D

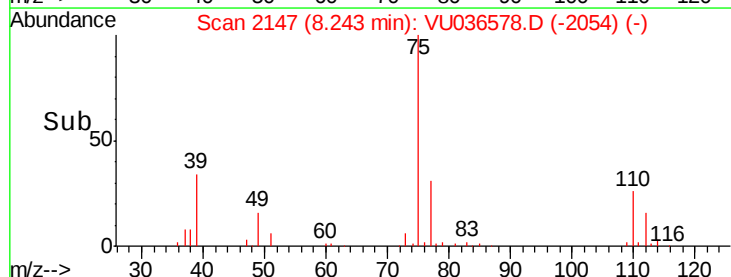
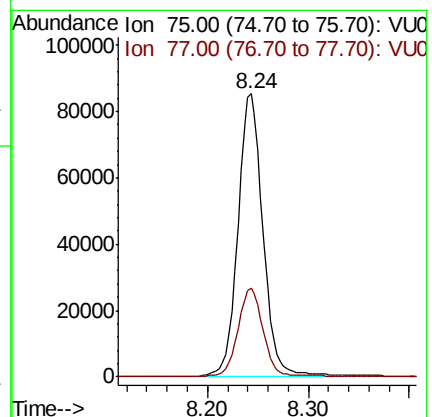
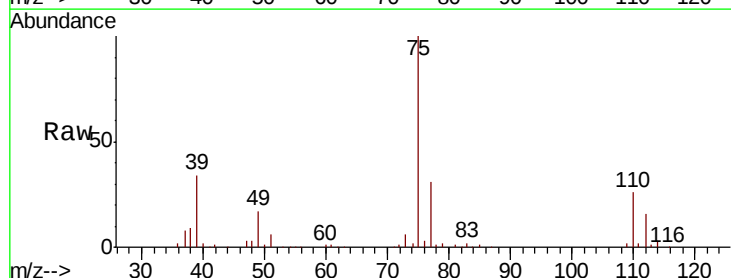
Acq: 28 Jan 2020 17:35

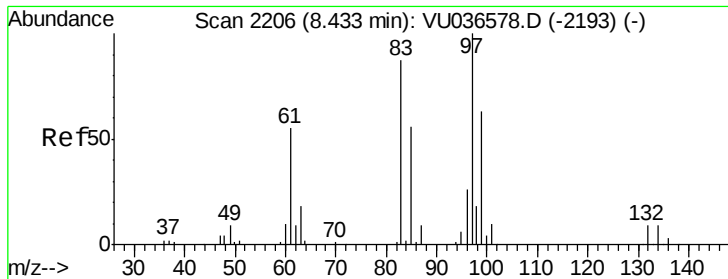
Tgt Ion: 75 Resp: 147851

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6

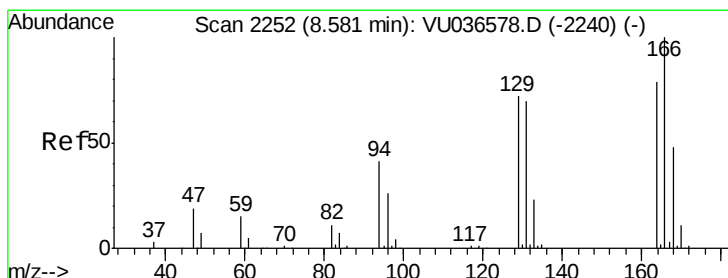
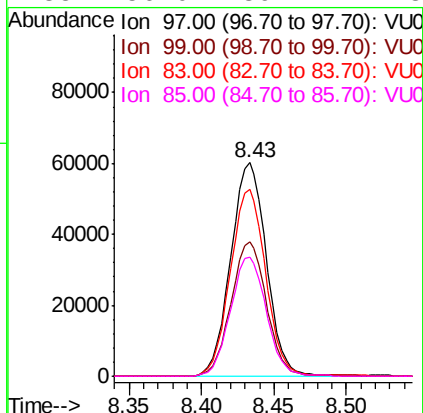
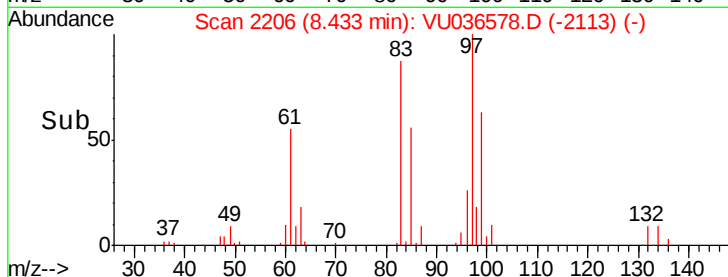
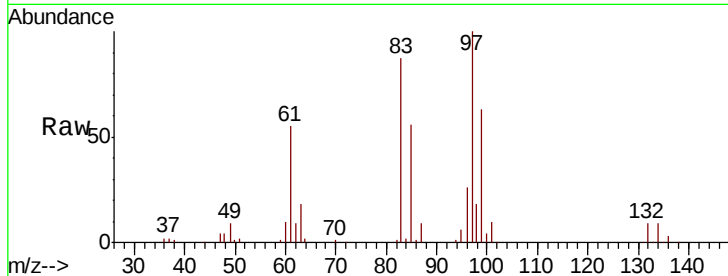




#45
 1,1,2-Trichloroethane
 Concen: 52.118 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VU036578.D
 Acq: 28 Jan 2020 17:35

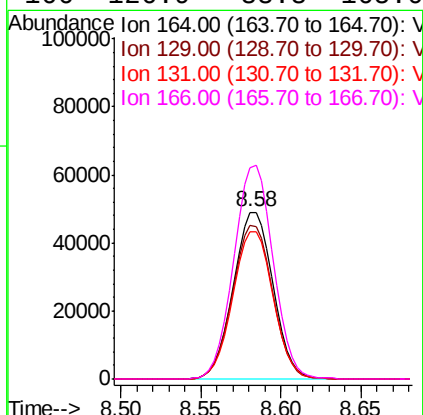
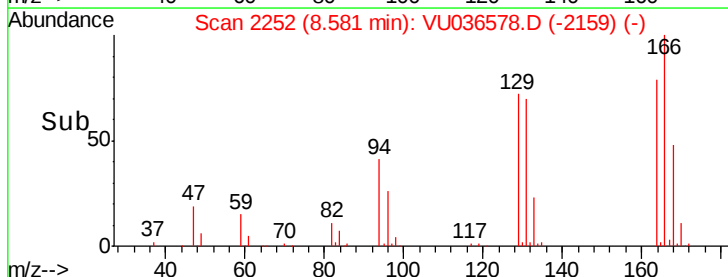
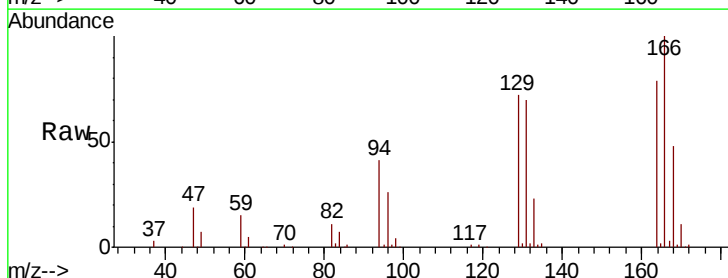
Instrument :
 MSVOA_U
 ClientSampleId :

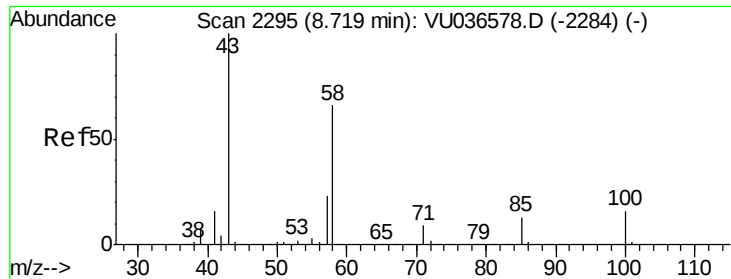
Tot Ion:	97	Resp:	103080
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.1	81.9
83	87.4	61.2	113.6
85	56.0	39.2	72.8



#46
 Tetrachloroethene
 Concen: 57.397 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036578.D
 Acq: 28 Jan 2020 17:35

Tgt Ion:	164	Resp:	83085
Ion	Ratio	Lower	Upper
164	100		
129	91.7	64.2	119.2
131	88.3	61.8	114.8
166	126.9	88.8	165.0

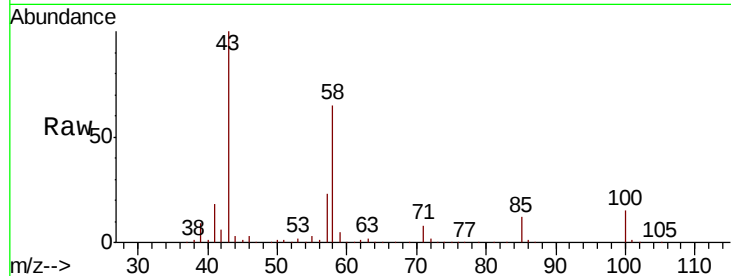




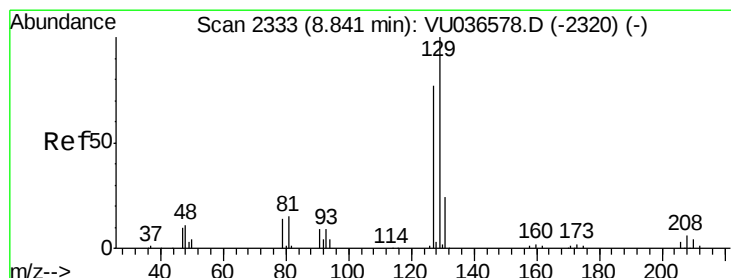
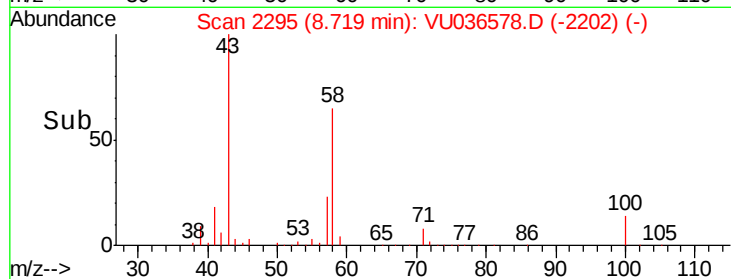
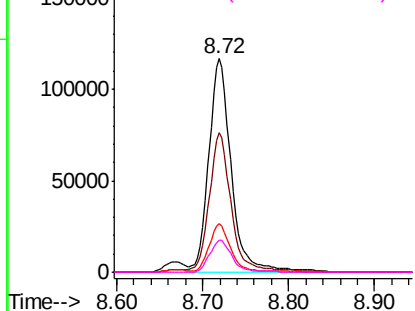
#48
2-Hexanone
Concen: 85.056 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 213634
Ion Ratio Lower Upper
43 100
58 61.7 49.4 74.0
57 21.4 17.1 25.7
100 14.9 11.9 17.9

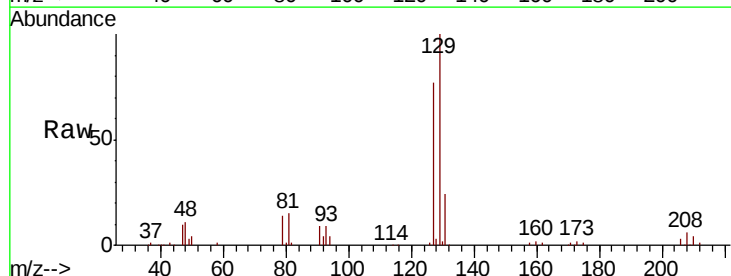


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

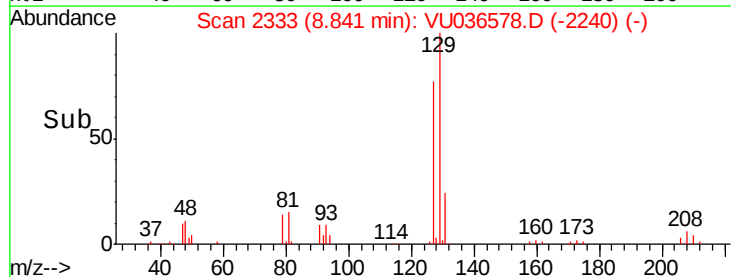
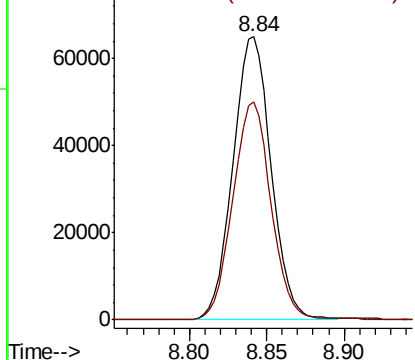


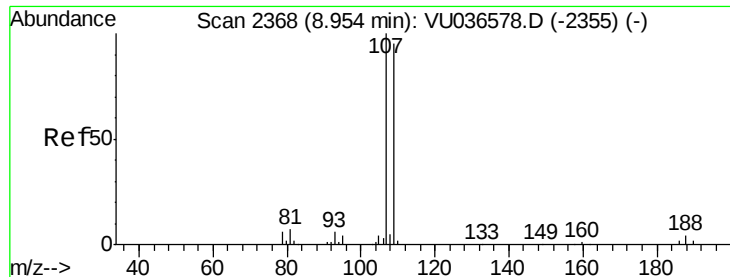
#49
Dibromochloromethane
Concen: 51.250 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

Tgt Ion: 129 Resp: 111411
Ion Ratio Lower Upper
129 100
127 77.1 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

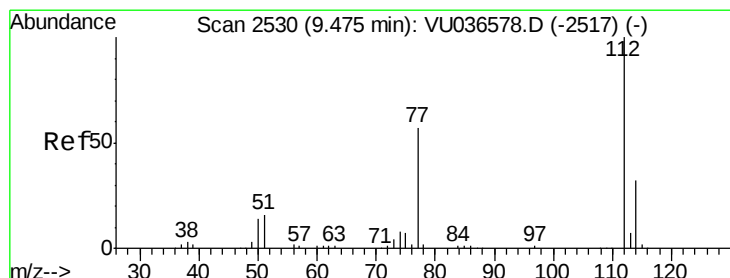
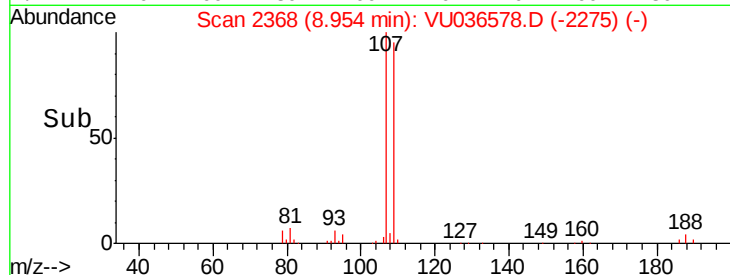
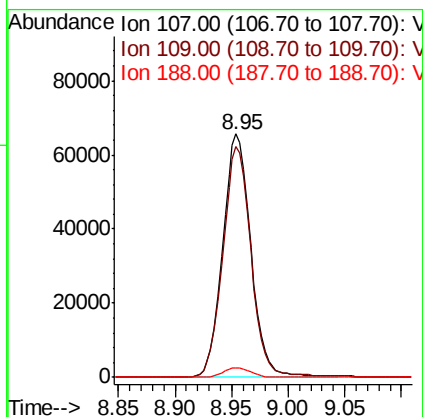
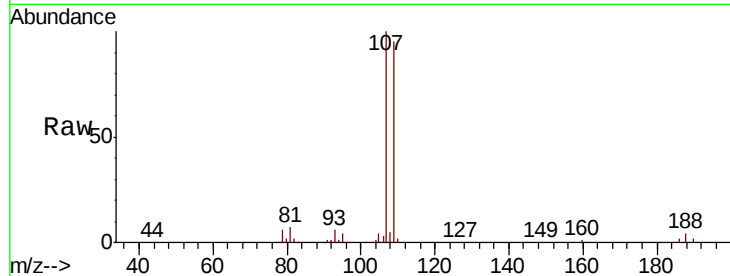




#50
1,2-Dibromoethane
Concen: 51.272 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

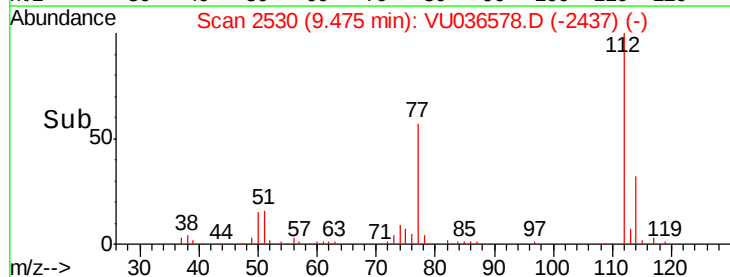
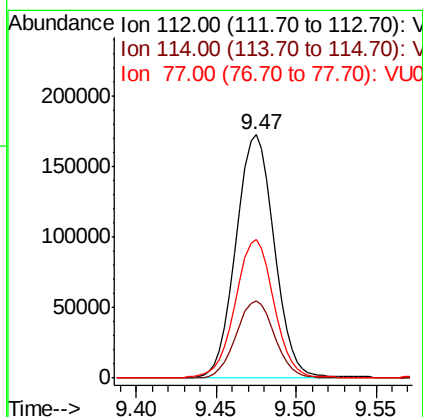
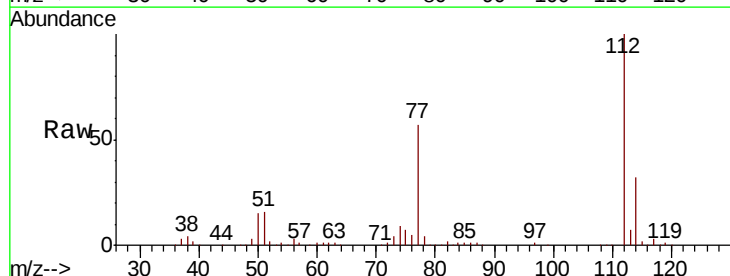
Instrument :
MSVOA_U
ClientSampleId :

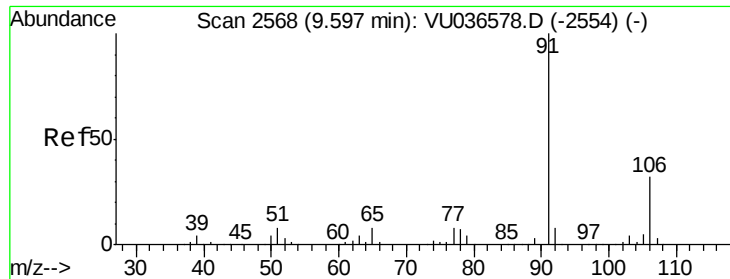
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	66.3	123.1
188	3.9	3.1	4.7



#51
Chlorobenzene
Concen: 52.842 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.5
77	57.1	45.7	68.5

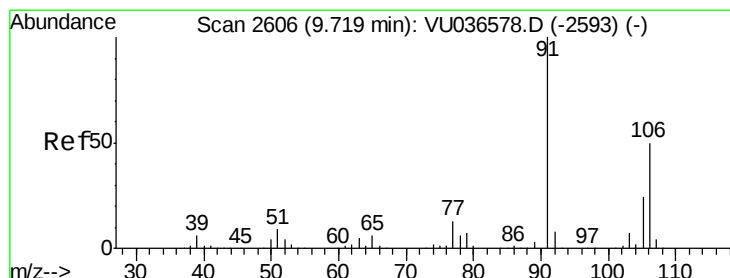
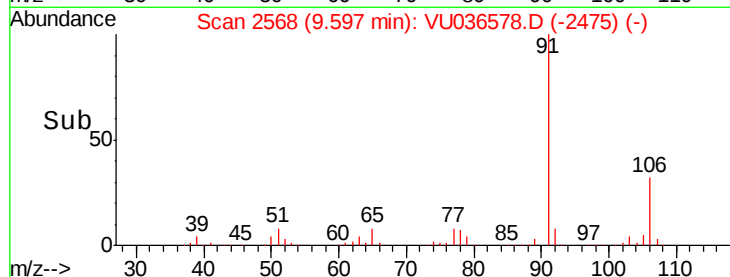
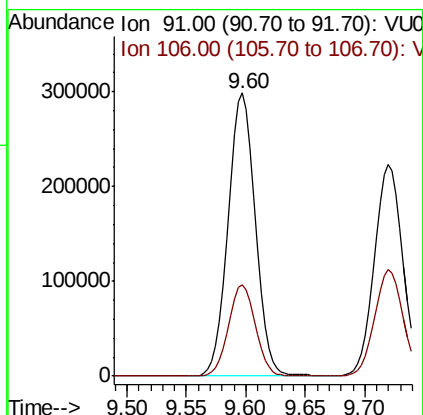
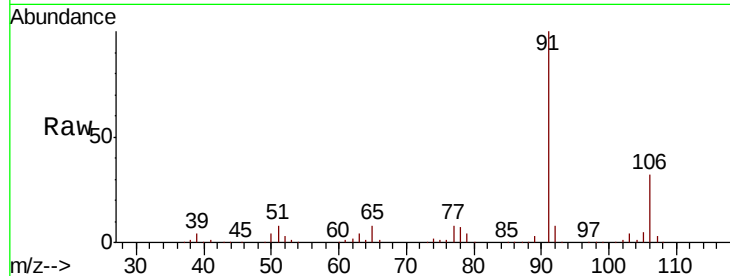




#52
Ethylbenzene
Concen: 50.713 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

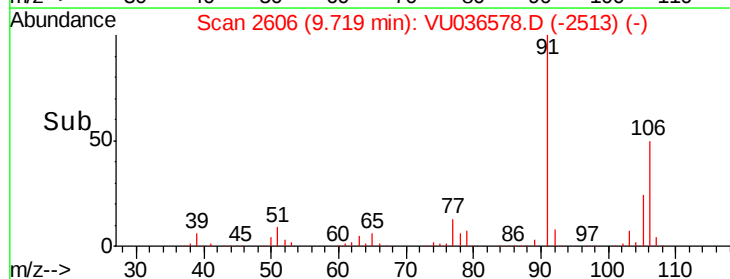
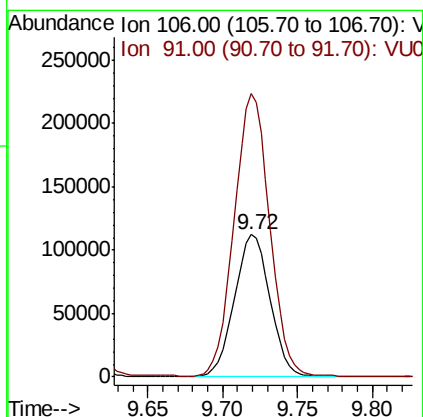
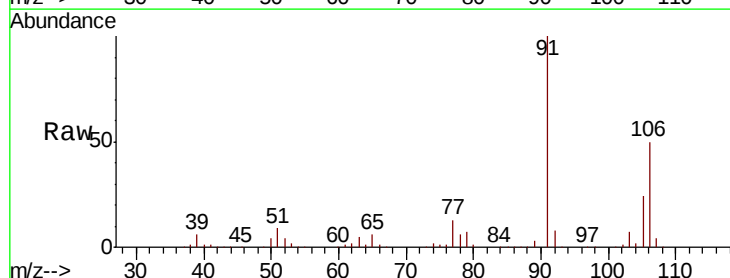
Instrument :
MSVOA_U
ClientSampleId :

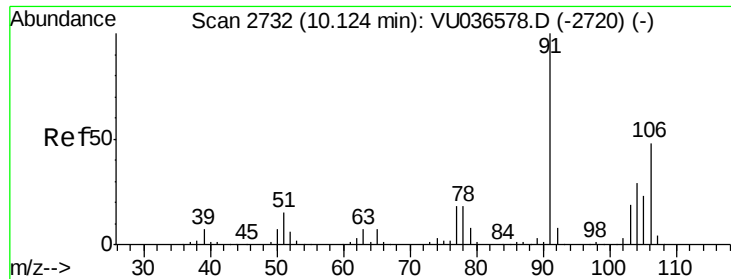
Tot Ion: 91 Resp: 475021
Ion Ratio Lower Upper
91 100
106 32.3 22.6 42.0



#53
m,p-Xylene
Concen: 52.266 ug/L
RT: 9.72 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

Tgt Ion: 106 Resp: 184786
Ion Ratio Lower Upper
106 100
91 199.2 139.4 259.0

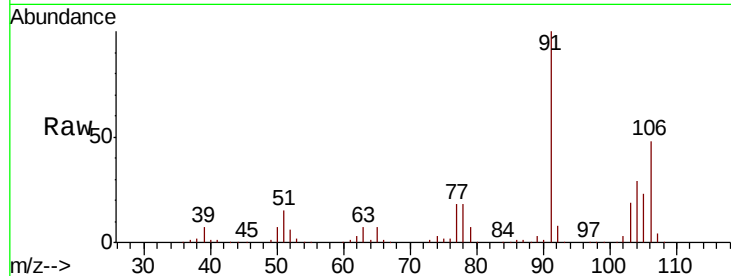




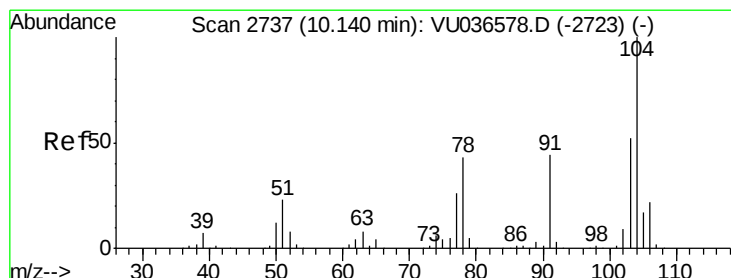
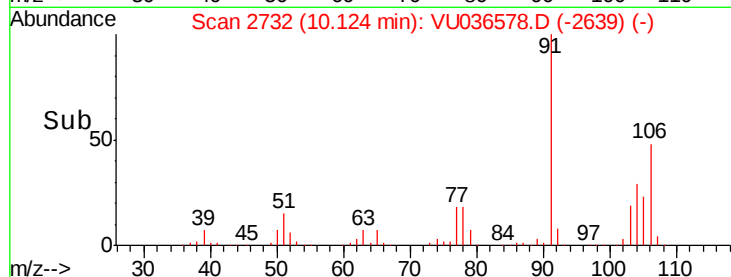
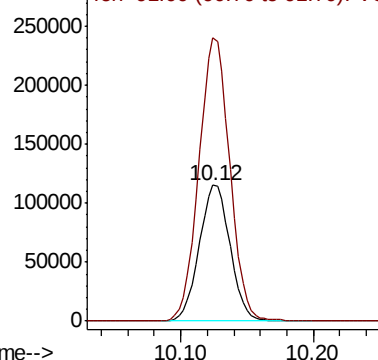
#54
o-xylene
Concen: 52.698 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 186509
Ion Ratio Lower Upper
106 100
91 208.5 145.9 271.1

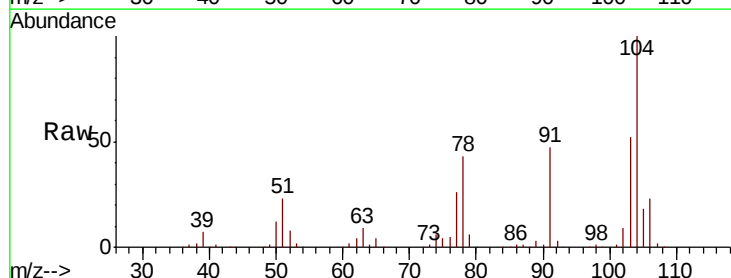


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

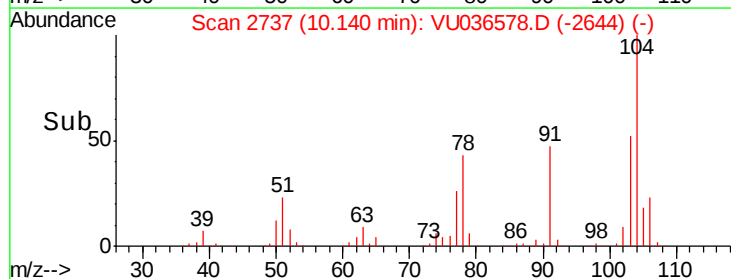
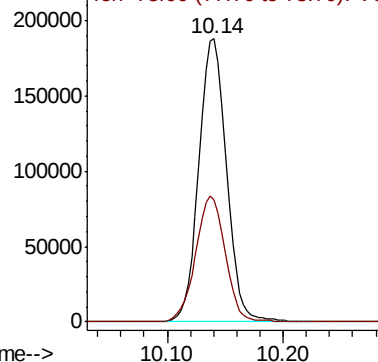


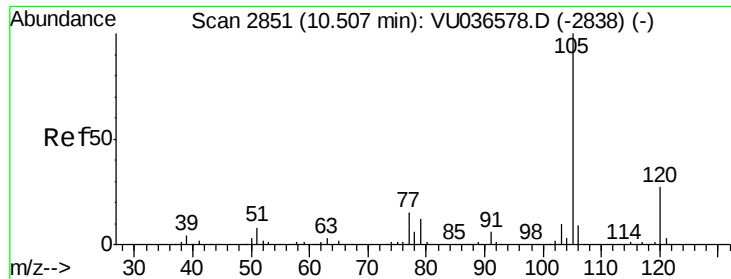
#55
Styrene
Concen: 53.970 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036578.D
Acq: 28 Jan 2020 17:35

Tgt Ion:104 Resp: 309128
Ion Ratio Lower Upper
104 100
78 43.0 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.228 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036578.D

Acq: 28 Jan 2020 17:35

Instrument :

MSVOA_U

ClientSampleId :

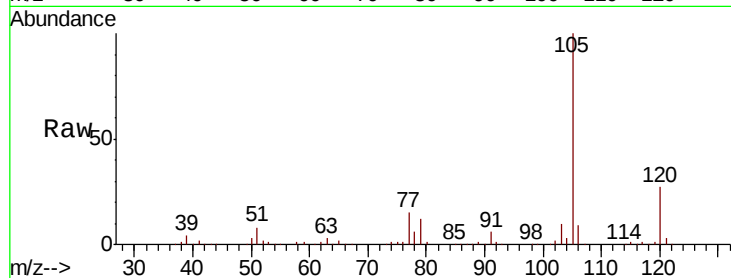
Tot Ion:105 Resp: 471095

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

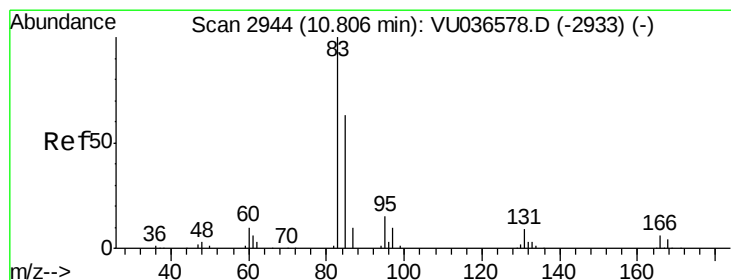
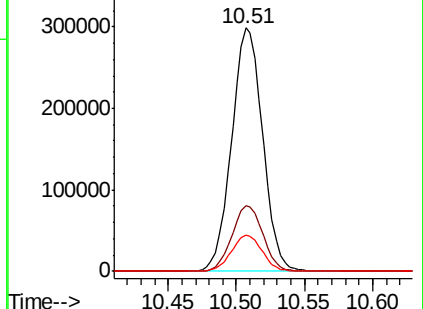
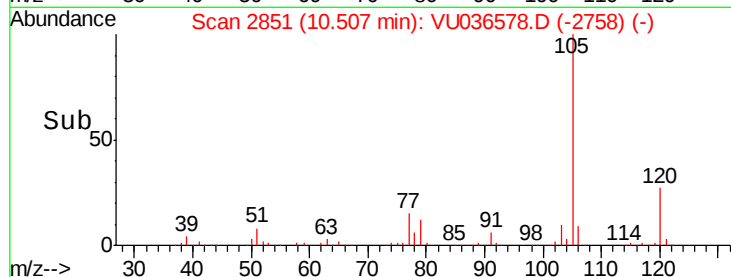
77 14.8 11.8 17.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 52.747 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036578.D

Acq: 28 Jan 2020 17:35

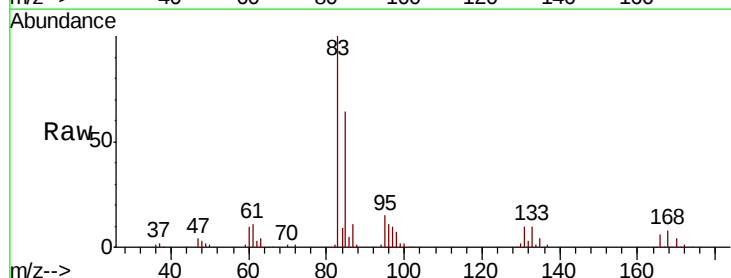
Tgt Ion: 83 Resp: 180446

Ion Ratio Lower Upper

83 100

85 63.6 44.5 82.7

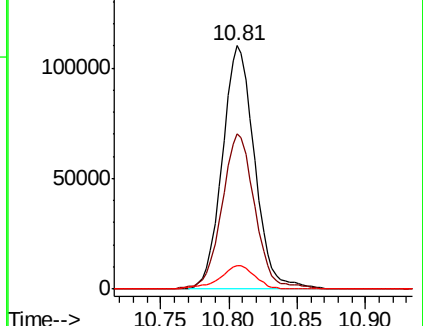
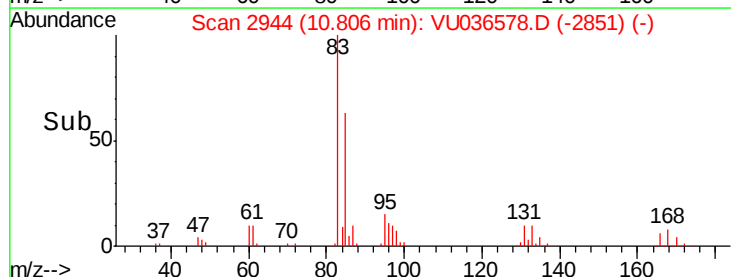
131 9.8 7.8 11.8

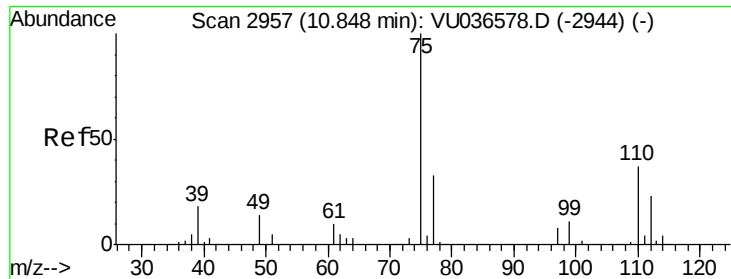


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

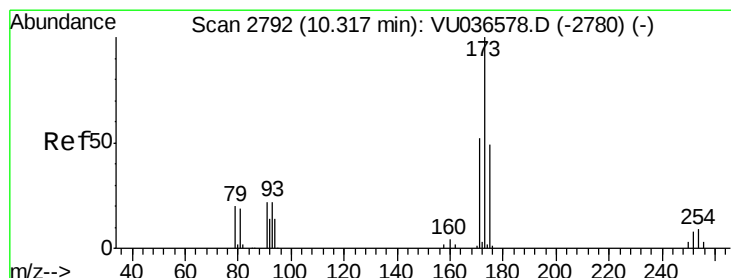
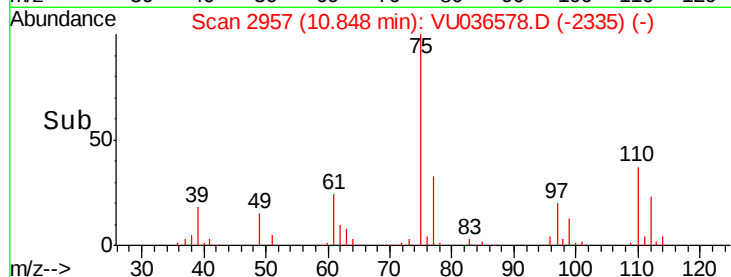
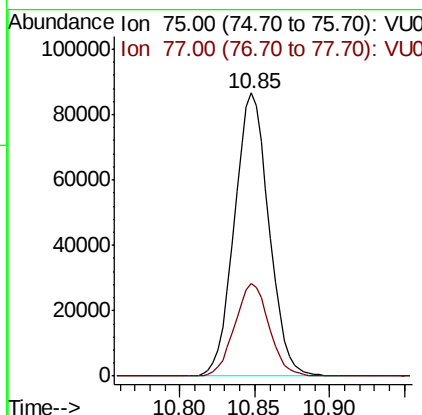
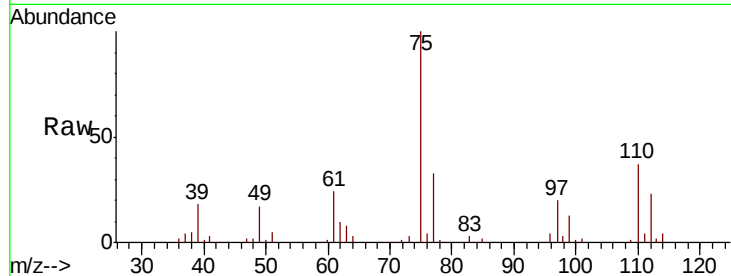




#59
 1,2,3-Trichloropropane
 Concen: 49.409 ug/L
 RT: 10.85 min Scan# 2957
 Delta R.T. 0.00 min
 Lab File: VU036578.D
 Acq: 28 Jan 2020 17:35

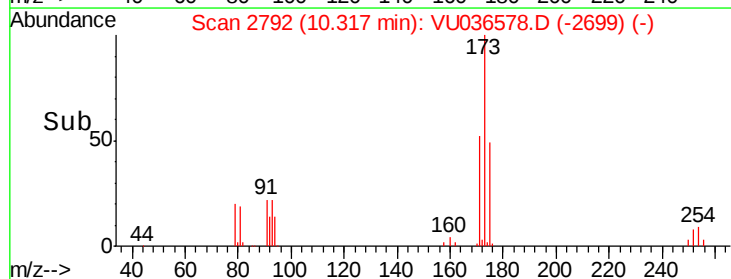
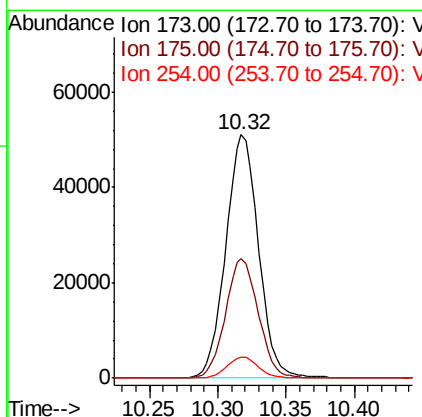
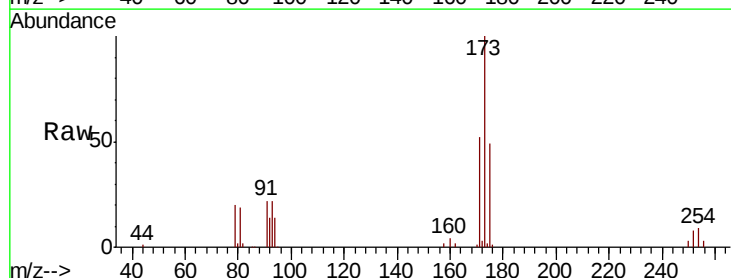
Instrument :
 MSVOA_U
 ClientSampleId :

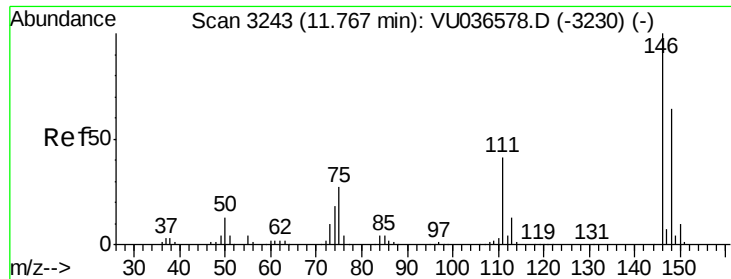
Tot Ion: 75 Resp: 138899
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.2 39.2



#61
 Bromoform
 Concen: 48.655 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VU036578.D
 Acq: 28 Jan 2020 17:35

Tgt Ion: 173 Resp: 85398
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.3 58.9
 254 8.3 6.6 10.0

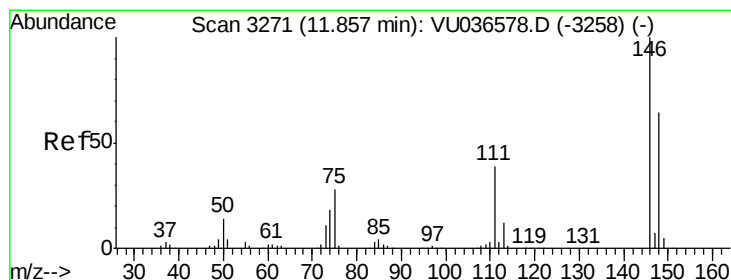
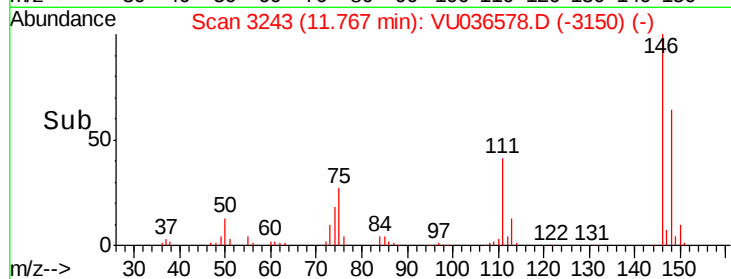
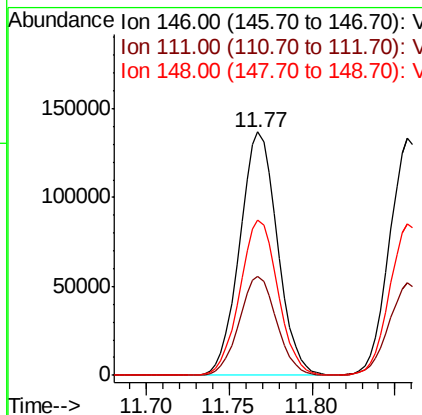
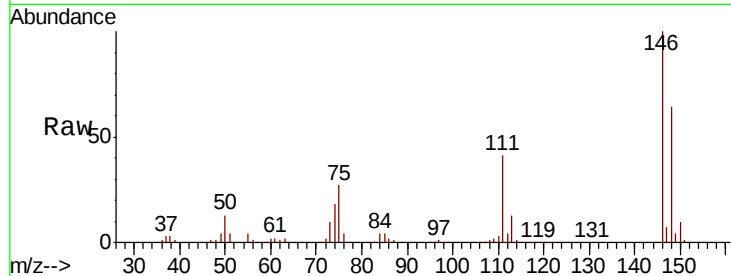




#62
 1,3-Dichlorobenzene
 Concen: 52.407 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036578.D
 Acq: 28 Jan 2020 17:35

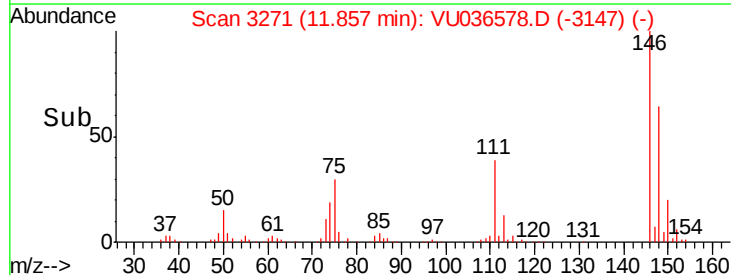
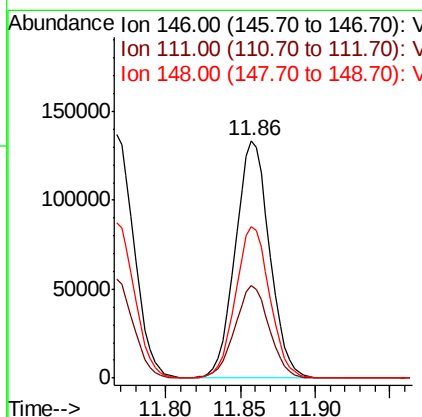
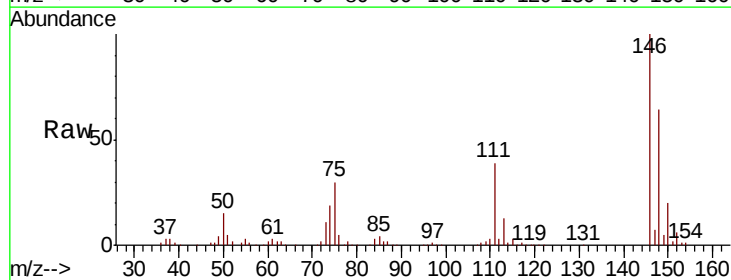
Instrument :
 MSVOA_U
 ClientSampleId :

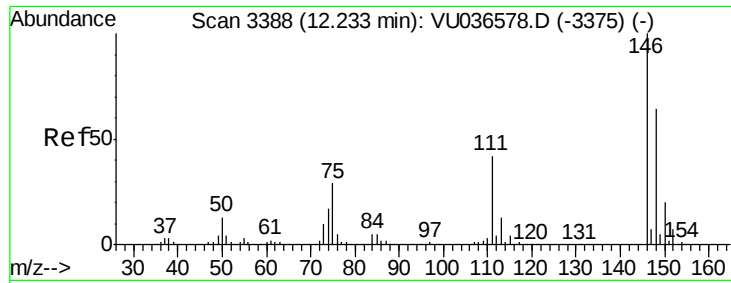
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	28.6	53.0
148	63.8	44.7	82.9



#63
 1,4-Dichlorobenzene
 Concen: 51.692 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036578.D
 Acq: 28 Jan 2020 17:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	27.2	50.4
148	64.0	44.8	83.2

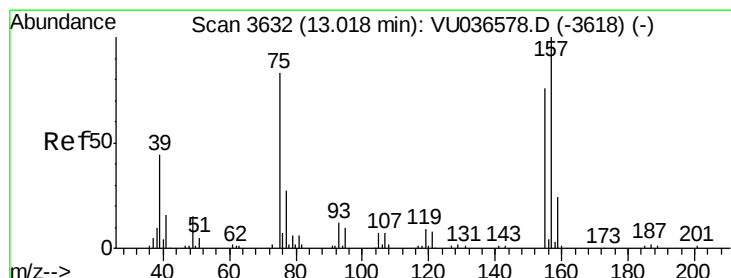
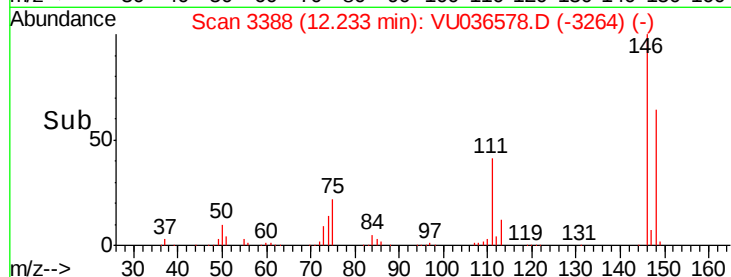
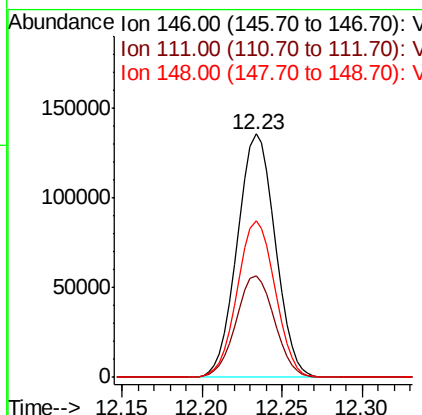
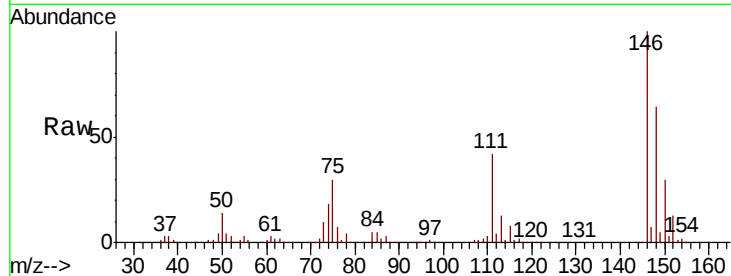




#65
 1,2-Dichlorobenzene
 Concen: 53.853 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036578.D
 Acq: 28 Jan 2020 17:35

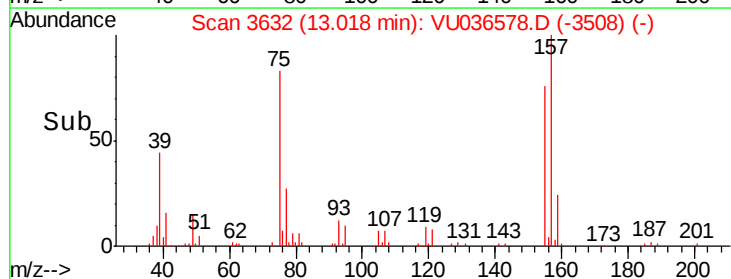
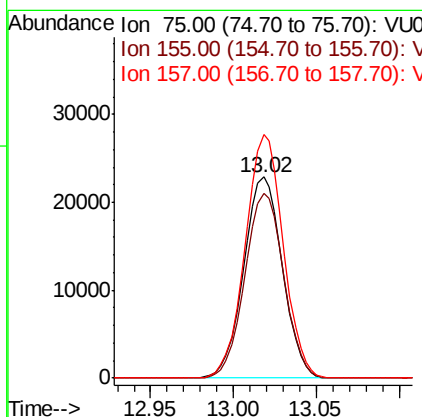
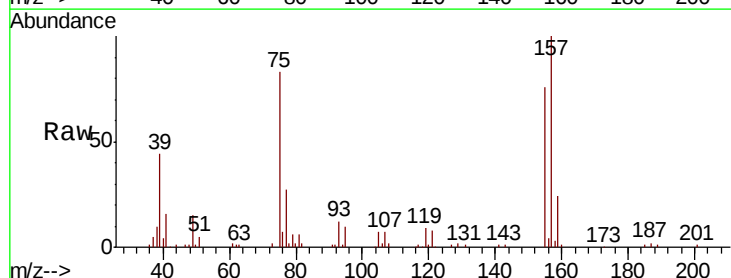
Instrument :
 MSVOA_U
 ClientSampleId :

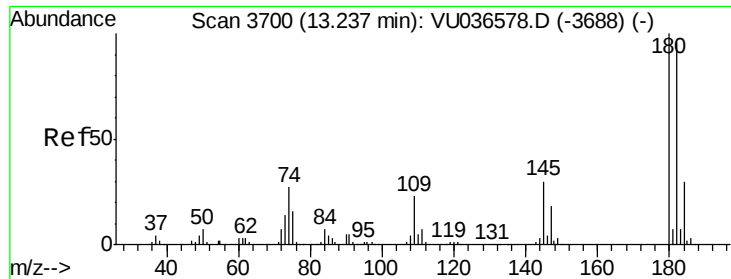
Tot Ion:146 Resp: 219531
 Ion Ratio Lower Upper
 146 100
 111 41.8 33.4 50.2
 148 64.1 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 43.229 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036578.D
 Acq: 28 Jan 2020 17:35

Tgt Ion: 75 Resp: 37001
 Ion Ratio Lower Upper
 75 100
 155 91.8 73.4 110.2
 157 121.0 96.8 145.2

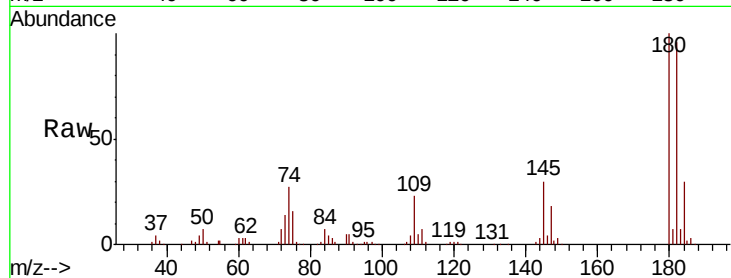




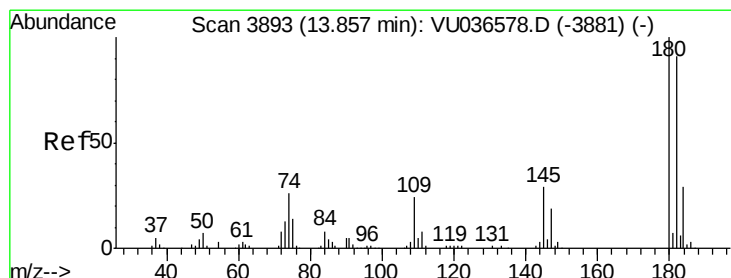
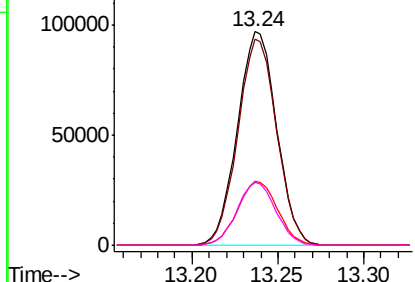
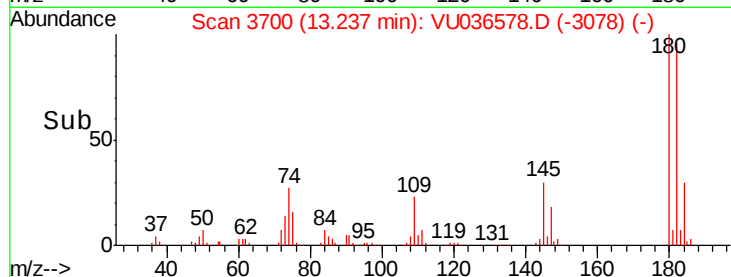
#67
 1,3,5-Trichlorobenzene
 Concen: 59.536 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036578.D
 Acq: 28 Jan 2020 17:35

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	153136
Ion Ratio	Lower	Upper
180	100	
182	95.8	76.6 115.0
184	30.3	24.2 36.4
145	29.1	23.3 34.9

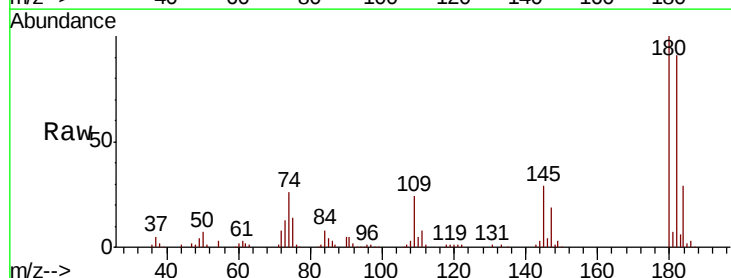


Abundance Ion 180.00 (179.70 to 180.70): V
 150000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

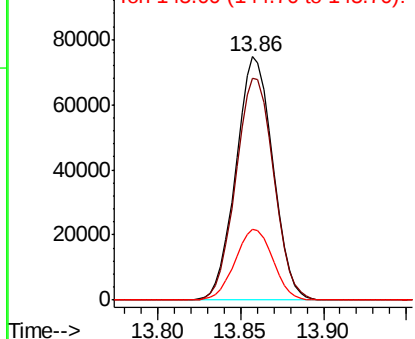
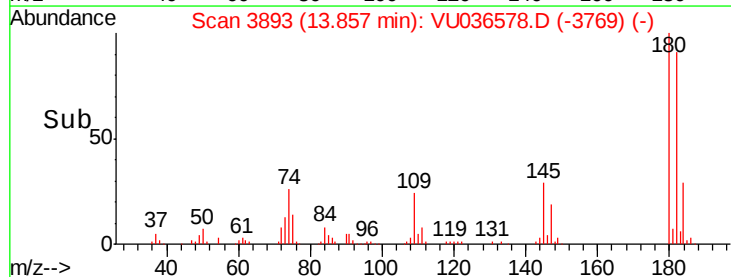


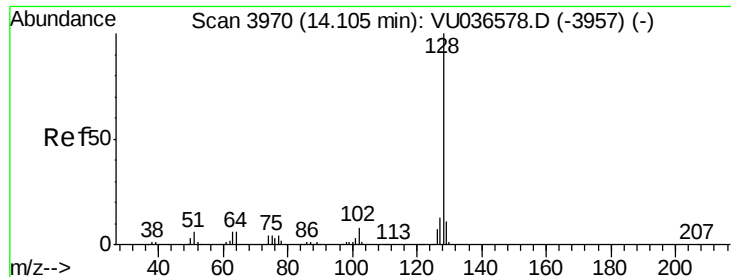
#68
 1,2,4-trichlorobenzene
 Concen: 61.077 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036578.D
 Acq: 28 Jan 2020 17:35

Tgt Ion:180	Resp:	116120
Ion Ratio	Lower	Upper
180	100	
182	93.6	74.9 112.3
145	29.8	23.8 35.8



Abundance Ion 180.00 (179.70 to 180.70): V
 100000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 53.095 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036578.D

Acq: 28 Jan 2020 17:35

Instrument :

MSVOA_U

ClientSampled :

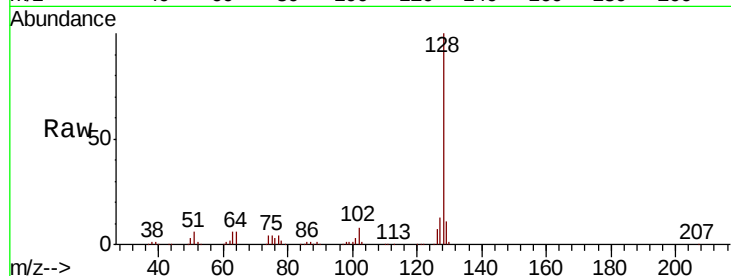
Tot Ion:128 Resp: 331985

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

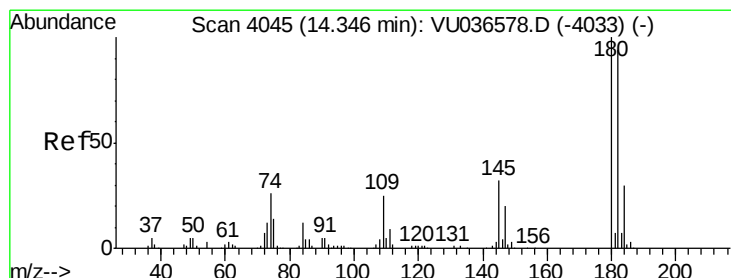
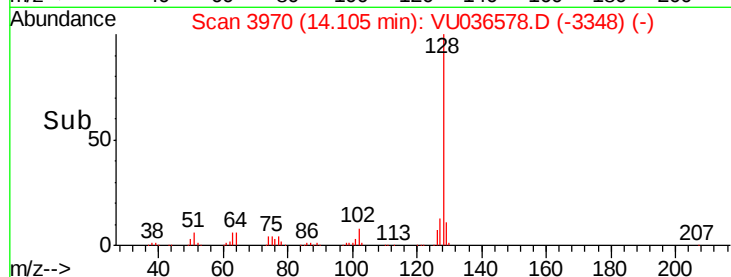
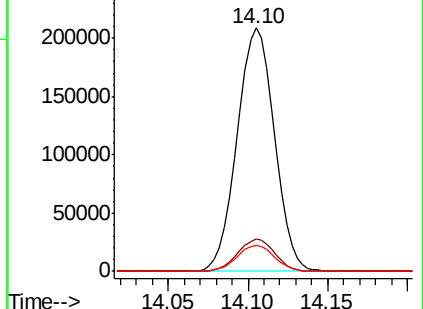
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 59.514 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. 0.00 min

Lab File: VU036578.D

Acq: 28 Jan 2020 17:35

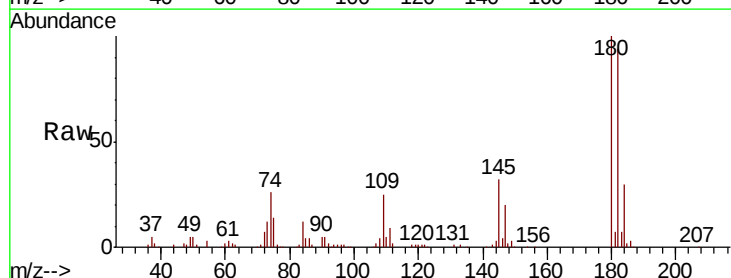
Tgt Ion:180 Resp: 117722

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 31.8 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

