

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012920\
 Data File : VU036579.D
 Acq On : 28 Jan 2020 17:59
 Operator : JC/MD
 Sample : VSTD10032
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 29 04:17:02 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	278997	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	264091	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	131815	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	221472	119.31	ug/L	0.00
7) Chloroethane-d5	1.93	69	188811	117.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	356141	103.63	ug/L	0.00
21) 2-Butanone-d5	4.68	46	264979	176.79	ug/L	0.00
24) Chloroform-d	5.11	84	361719	101.64	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	218761	93.51	ug/L	0.00
32) Benzene-d6	5.77	84	781778	112.24	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	243057	108.09	ug/L	0.00
41) Toluene-d8	7.93	98	753842	113.95	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	118886	99.96	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	238115	210.12	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	356933	106.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	287317	109.90	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	218531	88.340	ug/L 99
3) Chloromethane	1.54	50	228090	99.487	ug/L 100
5) Vinyl chloride	1.62	62	248628	107.345	ug/L 99
6) Bromomethane	1.87	94	146488	104.837	ug/L 98
8) Chloroethane	1.95	64	144530	104.631	ug/L 99
9) Trichlorofluoromethane	2.16	101	291206	95.060	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	177818	106.465	ug/L 99
12) 1,1-Dichloroethene	2.61	96	180644	109.308	ug/L 96
13) Acetone	2.66	43	210373	131.862	ug/L 98
14) Carbon disulfide	2.82	76	537866	101.774	ug/L 100
15) Methyl Acetate	2.98	43	190627	87.527	ug/L 100
16) Methylene chloride	3.08	84	205682	100.994	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	192348	105.782	ug/L 99
18) Methyl tert-butyl Ether	3.41	73	596655	97.641	ug/L 99
19) 1,1-Dichloroethane	3.92	63	337400	99.942	ug/L 99
20) cis-1,2-Dichloroethene	4.72	96	218622	105.272	ug/L 99
22) 2-Butanone	4.75	43	289225	158.522	ug/L 99
23) Bromochloromethane	5.02	128	110410	108.289	ug/L 100
25) Chloroform	5.13	83	341119	95.124	ug/L 98
27) 1,2-Dichloroethane	5.84	62	252135	89.691	ug/L 100
29) Cyclohexane	5.43	56	310482	100.030	ug/L 99
30) 1,1,1-Trichloroethane	5.36	97	285034	93.973	ug/L 99
31) Carbon tetrachloride	5.57	117	246682	95.204	ug/L 99
33) Benzene	5.82	78	800741	105.533	ug/L 100
34) Trichloroethene	6.58	95	206380	102.088	ug/L 98
35) Methylcyclohexane	6.80	83	345001	108.975	ug/L 99
37) 1,2-Dichloropropane	6.83	63	202461	100.788	ug/L 100
38) Bromodichloromethane	7.14	83	258321	95.363	ug/L 100
39) cis-1,3-Dichloropropene	7.64	75	341246	105.596	ug/L 100
40) 4-Methyl-2-pentanone	7.83	43	525972	169.311	ug/L 100

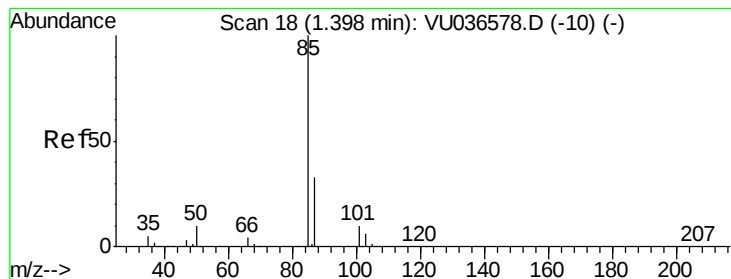
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012920\
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 Quant Title : VOC Analysis
 QLast Update : Wed Jan 29 04:13:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	879975	106.694	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	298058	100.746	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	201415	104.145	ug/L	99
46) Tetrachloroethene	8.58	164	167376	118.246	ug/L	97
48) 2-Hexanone	8.72	43	411204	167.425	ug/L	97
49) Dibromochloromethane	8.84	129	224043	105.396	ug/L	99
50) 1,2-Dibromoethane	8.95	107	221636	102.073	ug/L	100
51) Chlorobenzene	9.47	112	568864	108.979	ug/L	99
52) Ethylbenzene	9.60	91	965991	105.465	ug/L	100
53) m,p-Xylene	9.72	106	380052	109.932	ug/L	99
54) o-xylene	10.12	106	374101	108.097	ug/L	99
55) Styrene	10.14	104	629154	112.332	ug/L	98
56) Isopropylbenzene	10.51	105	962547	109.131	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	351886	105.192	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	271285	98.687	ug/L	99
61) Bromoform	10.32	173	172992	96.799	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	446239	106.280	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	444752	106.131	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	444527	107.097	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	75838	87.020	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	326463	124.653	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	262635	135.673	ug/L	99
69) Naphthalene	14.10	128	821166	128.983	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	265093	131.621	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 88.340 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

Instrument :

MSVOA_U

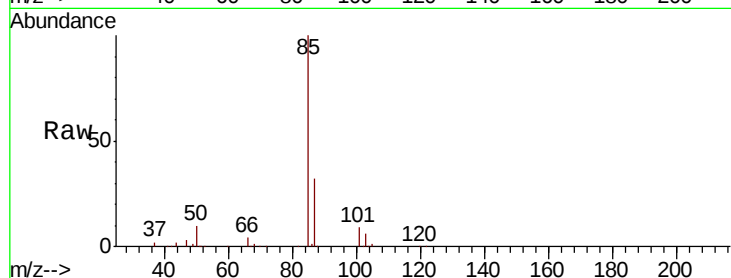
ClientSampled :

Tot Ion: 85 Resp: 218531

Ion Ratio Lower Upper

85 100

87 31.8 26.0 39.0



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

Ion 87.00 (86.70 to 87.70): VU036579.D (-1) (-)

1.39

200000

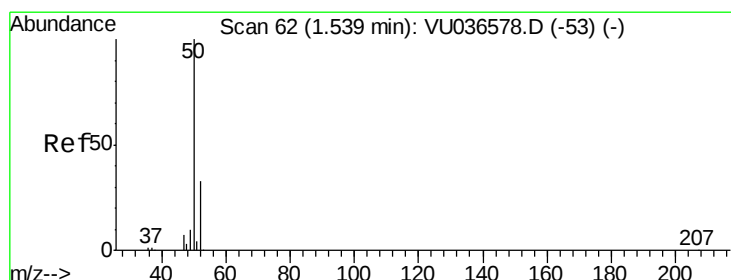
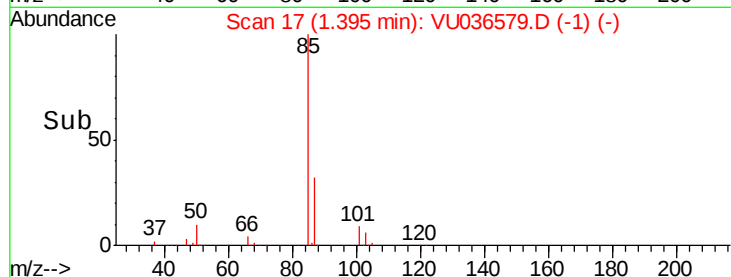
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 99.487 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036579.D

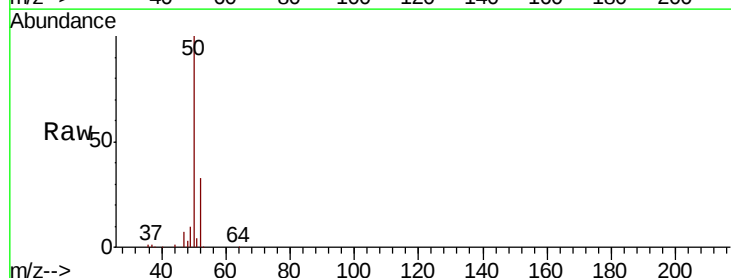
Acq: 28 Jan 2020 17:59

Tgt Ion: 50 Resp: 228090

Ion Ratio Lower Upper

50 100

52 33.2 23.2 43.0



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

Ion 52.00 (51.70 to 52.70): VU036579.D (-53) (-)

1.54

200000

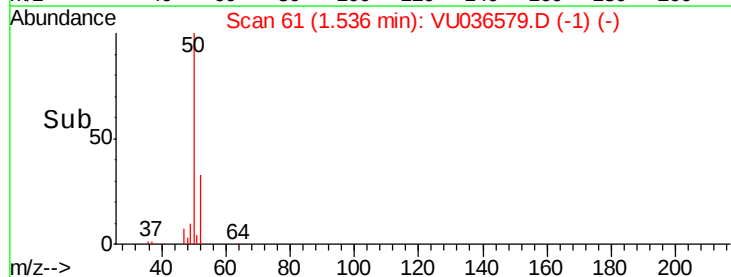
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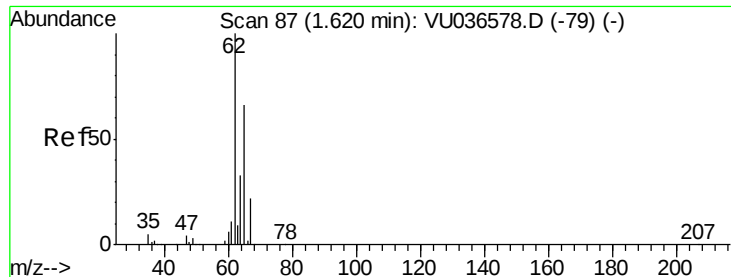
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 107.345 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

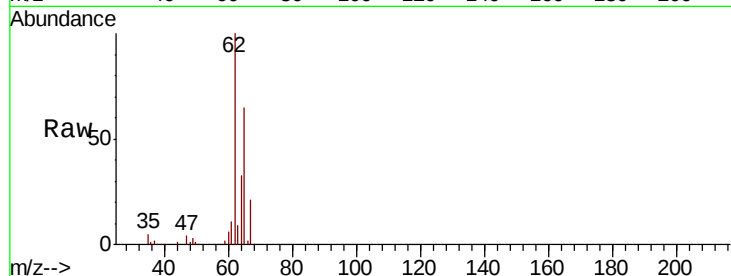
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 248628

Ion Ratio Lower Upper

62 100

64 33.1 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) (-)

1.62

250000

200000

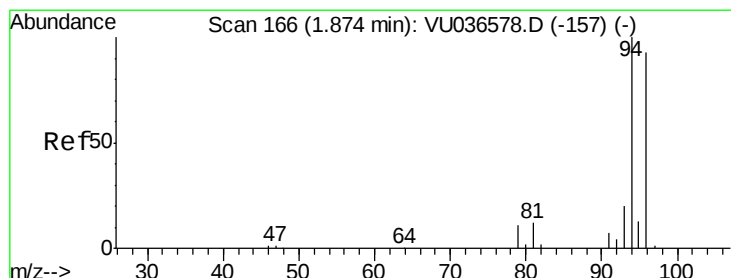
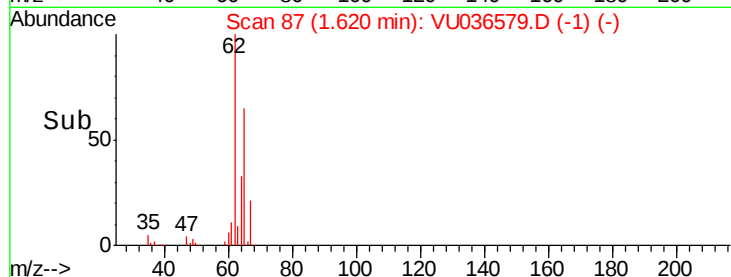
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 104.837 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036579.D

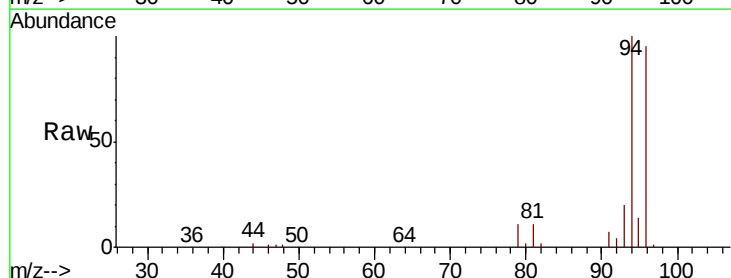
Acq: 28 Jan 2020 17:59

Tgt Ion: 94 Resp: 146488

Ion Ratio Lower Upper

94 100

96 94.7 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) (-)

1.87

120000

100000

80000

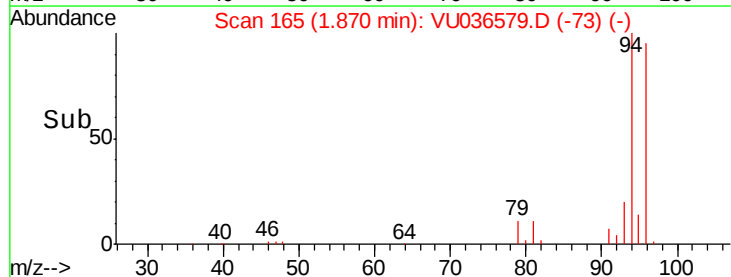
60000

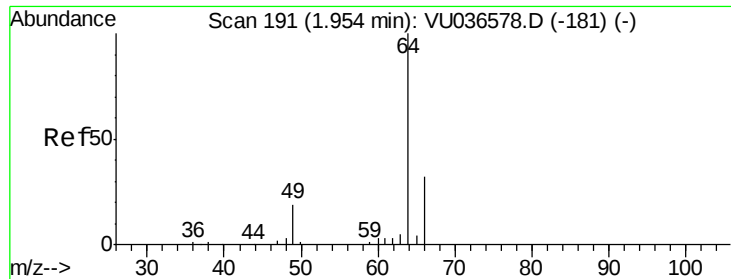
40000

20000

0

Time--> 1.80 1.85 1.90 1.95

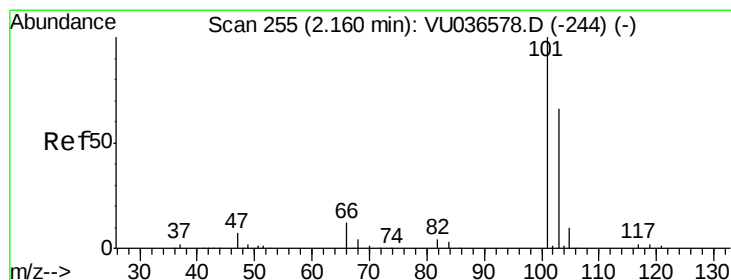
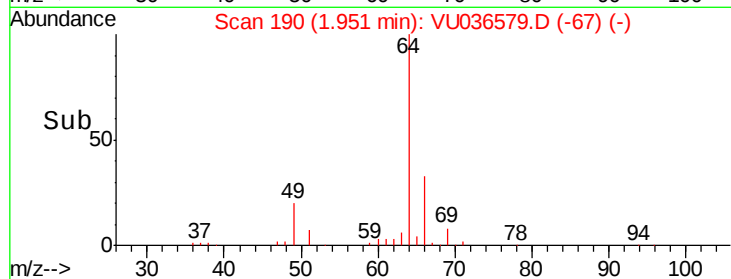
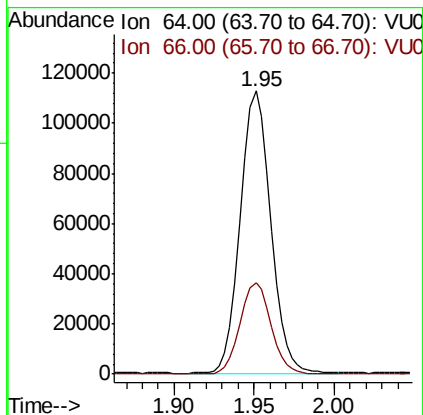
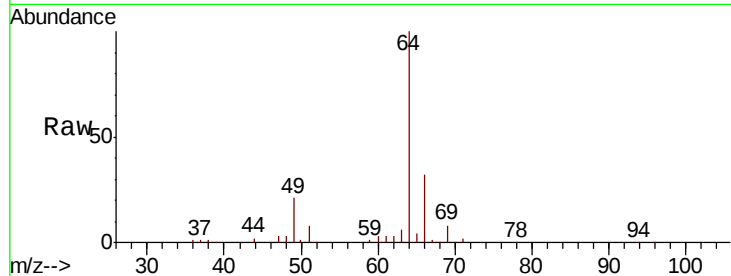




#8
 Chloroethane
 Concen: 104.631 ug/L
 RT: 1.95 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: VU036579.D
 Acq: 28 Jan 2020 17:59

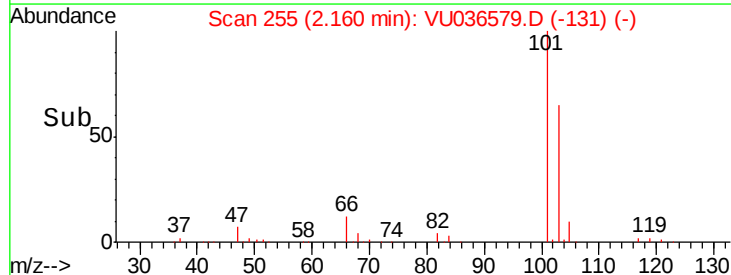
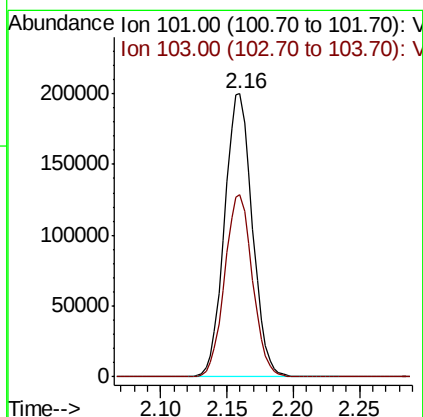
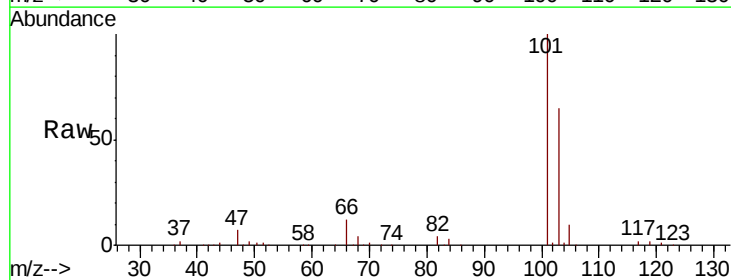
Instrument :
 MSVOA_U
 ClientSampleId :

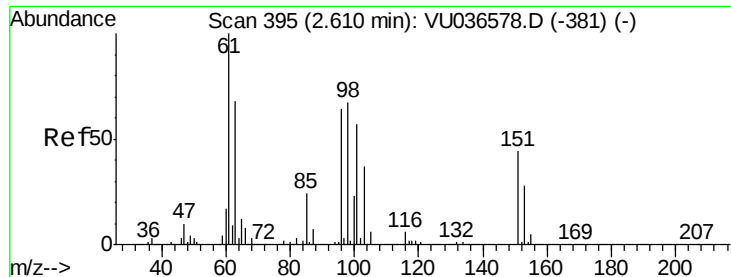
Tot Ion: 64 Resp: 144530
 Ion Ratio Lower Upper
 64 100
 66 32.5 22.4 41.6



#9
 Trichlorofluoromethane
 Concen: 95.060 ug/L
 RT: 2.16 min Scan# 255
 Delta R.T. -0.00 min
 Lab File: VU036579.D
 Acq: 28 Jan 2020 17:59

Tgt Ion:101 Resp: 291206
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.4 78.6





#10

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

Concen: 106.465 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampled :

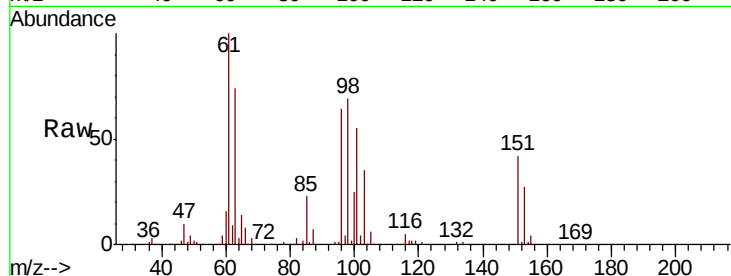
Tot Ion:101 Resp: 177818

Ion Ratio Lower Upper

101 100

85 41.8 32.6 49.0

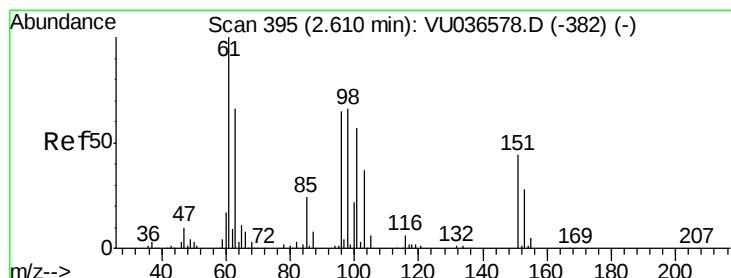
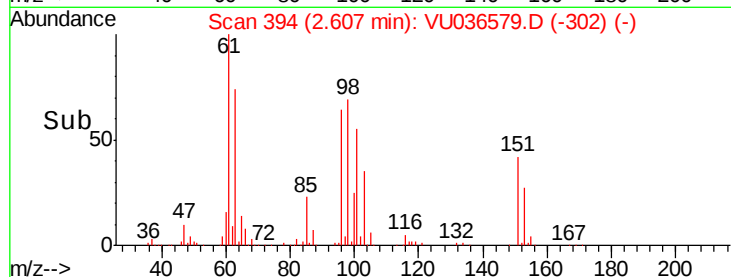
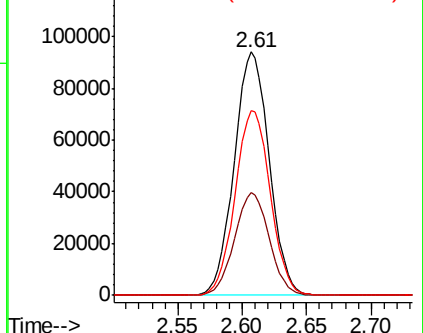
151 76.2 60.3 90.5



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: 109.308 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

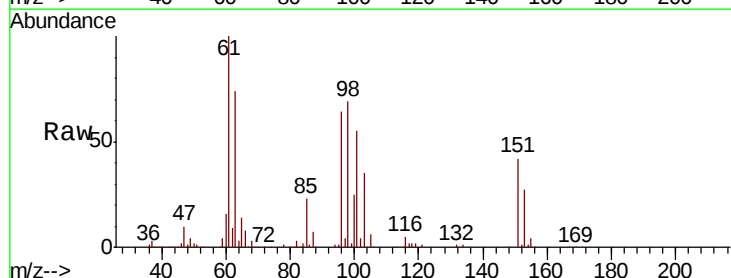
Tgt Ion: 96 Resp: 180644

Ion Ratio Lower Upper

96 100

61 156.2 108.6 201.8

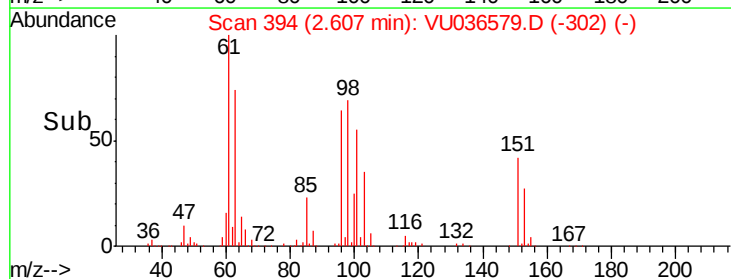
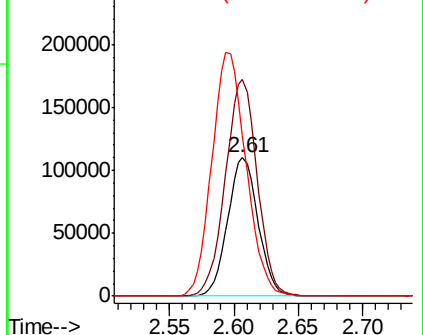
63 115.7 75.0 139.2

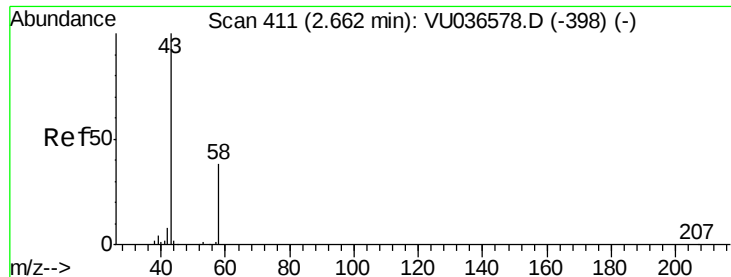


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 131.862 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

Instrument :

MSVOA_U

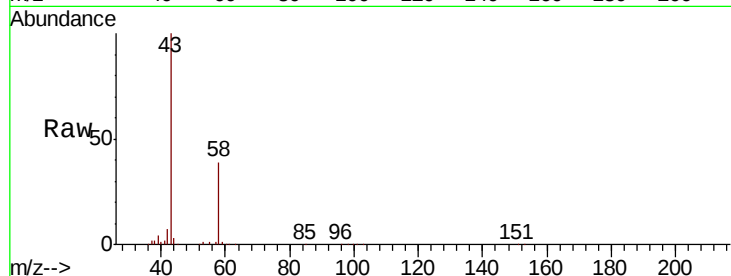
ClientSampled :

Tot Ion: 43 Resp: 210373

Ion Ratio Lower Upper

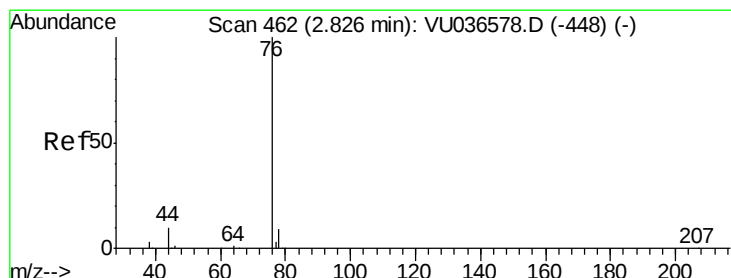
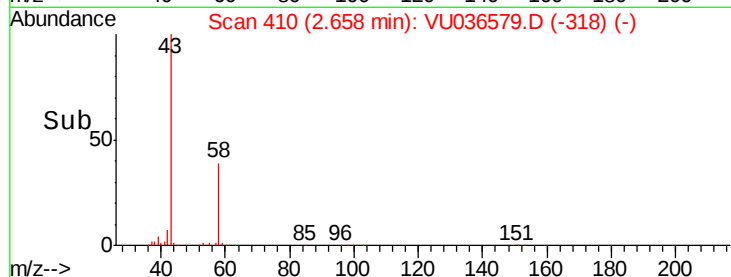
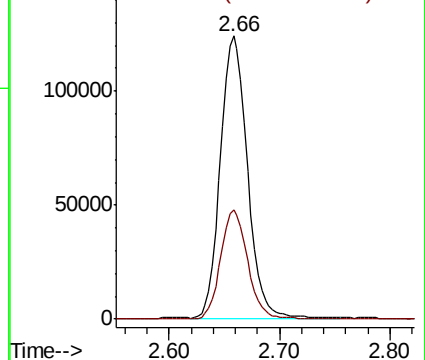
43 100

58 38.8 0.0 75.4



Abundance Ion 43.00 (42.70 to 43.70): VU036578.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036578.D (-398) (-)



#14

Carbon disulfide

Concen: 101.774 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036579.D

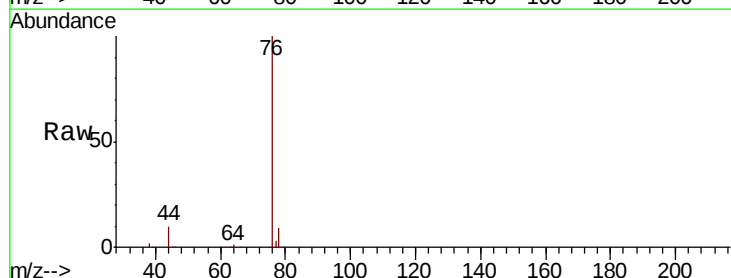
Acq: 28 Jan 2020 17:59

Tgt Ion: 76 Resp: 537866

Ion Ratio Lower Upper

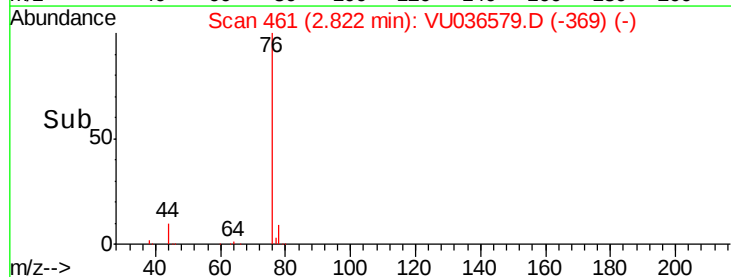
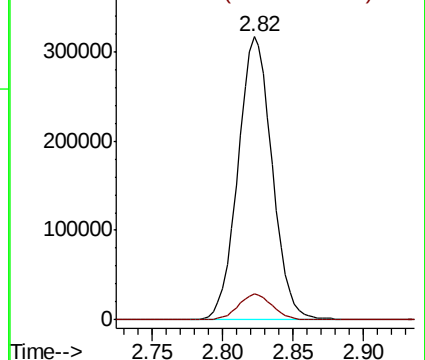
76 100

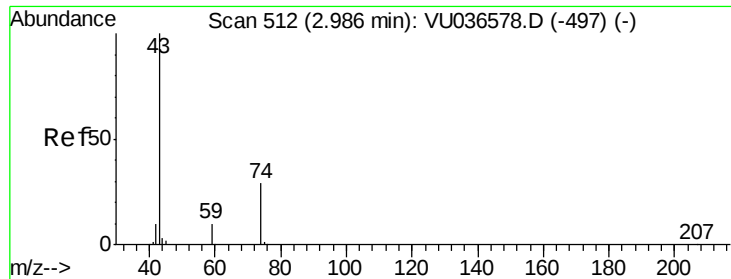
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU036578.D (-448) (-)

Ion 78.00 (77.70 to 78.70): VU036578.D (-448) (-)

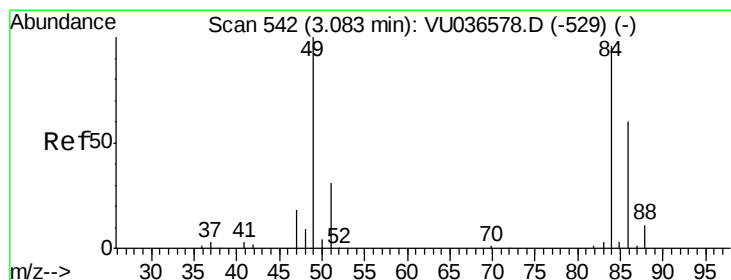
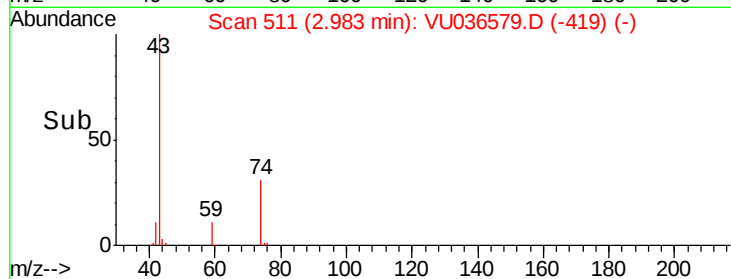
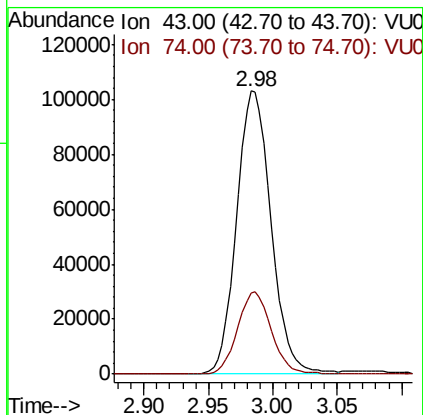
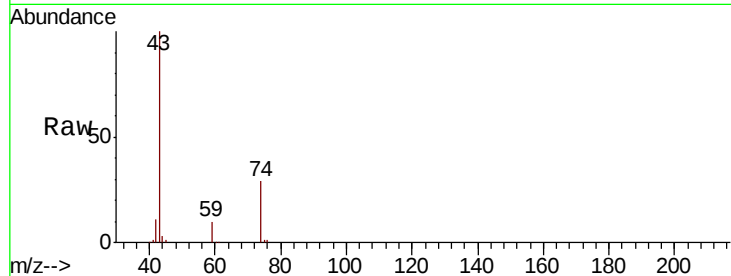




#15
Methvl Acetate
Concen: 87.527 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU036579.D
Acq: 28 Jan 2020 17:59

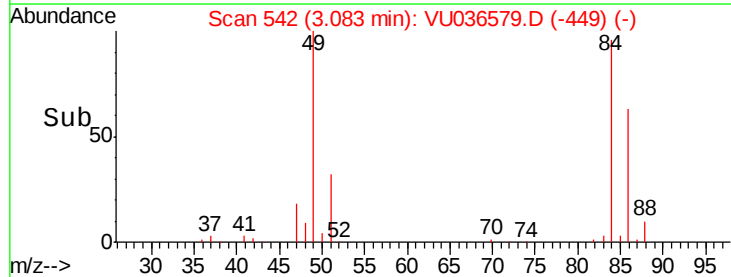
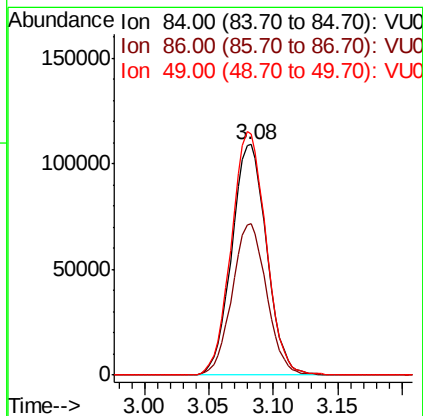
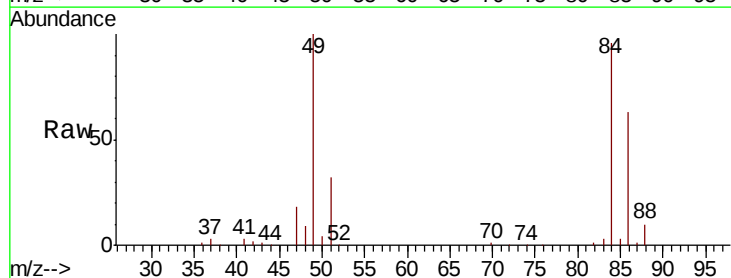
Instrument :
MSVOA_U
ClientSampled :

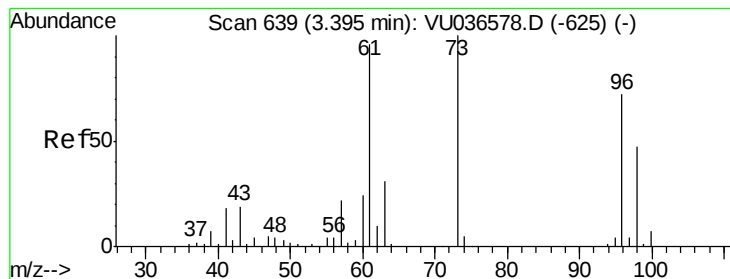
Tot Ion: 43 Resp: 190627
Ion Ratio Lower Upper
43 100
74 28.9 23.3 34.9



#16
Methylene chloride
Concen: 100.994 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU036579.D
Acq: 28 Jan 2020 17:59

Tgt Ion: 84 Resp: 205682
Ion Ratio Lower Upper
84 100
86 65.4 44.1 81.9
49 104.6 73.3 136.1





#17

trans-1,2-Dichloroethene

Concen: 105.782 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

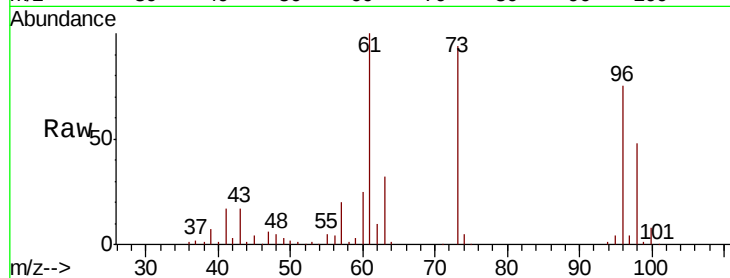
Tot Ion: 96 Resp: 192348

Ion Ratio Lower Upper

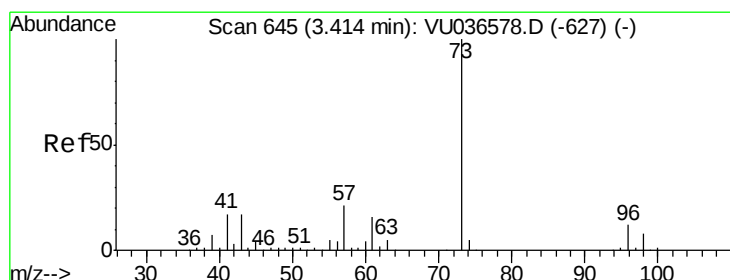
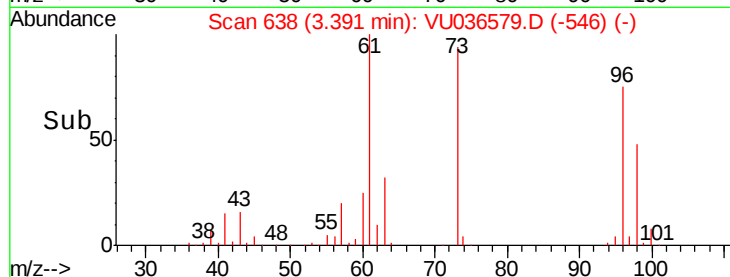
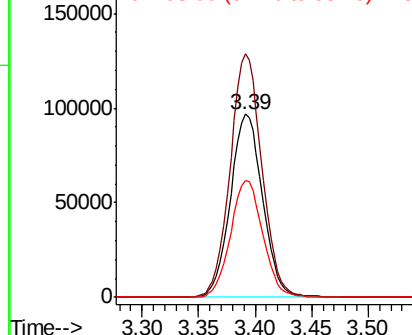
96 100

61 132.9 93.4 173.4

98 63.8 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: 97.641 ug/L

RT: 3.41 min Scan# 644

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

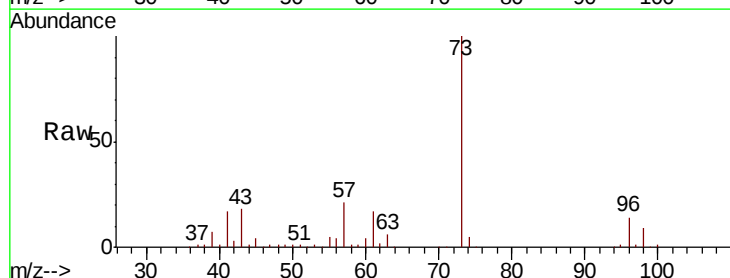
Tgt Ion: 73 Resp: 596655

Ion Ratio Lower Upper

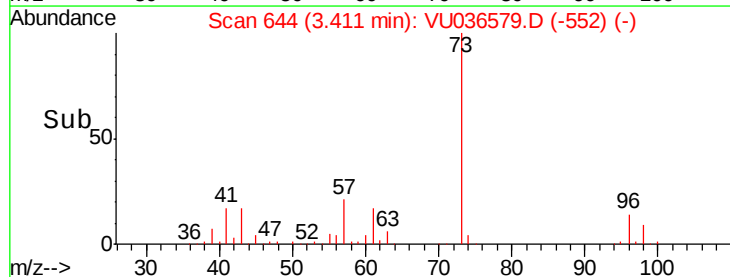
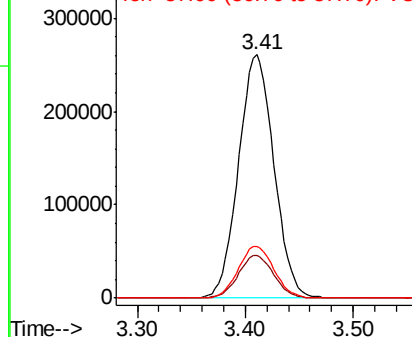
73 100

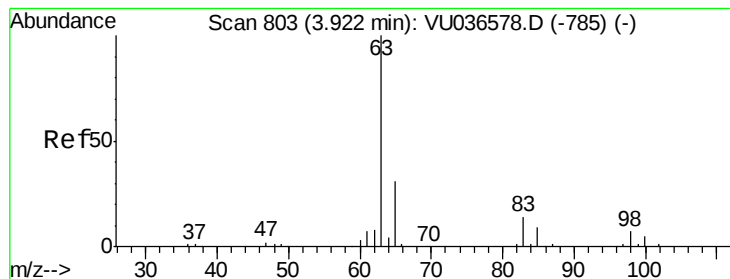
43 17.4 14.2 21.4

57 21.4 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: 99.942 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.01 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

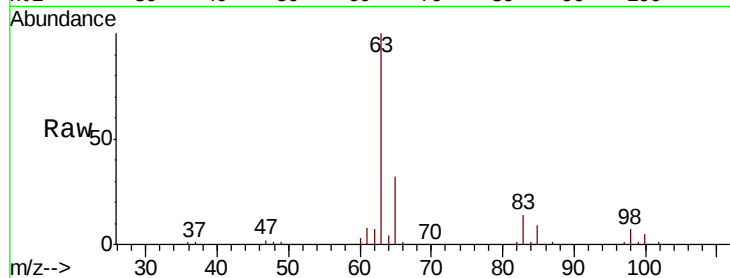
Tot Ion: 63 Resp: 337400

Ion Ratio Lower Upper

63 100

65 31.7 21.9 40.7

83 13.8 9.7 17.9

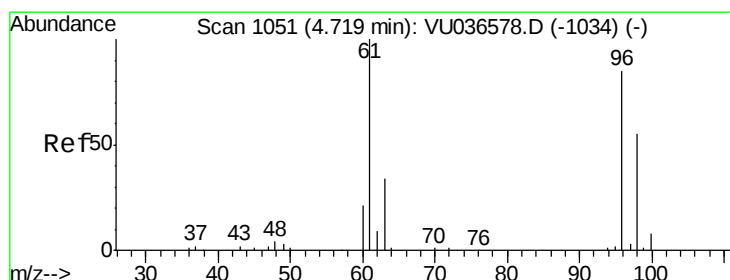
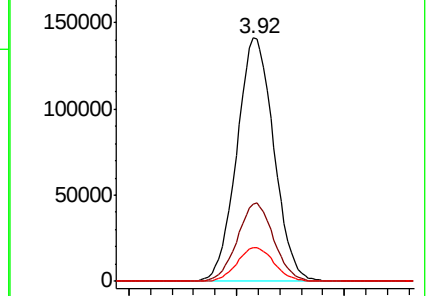
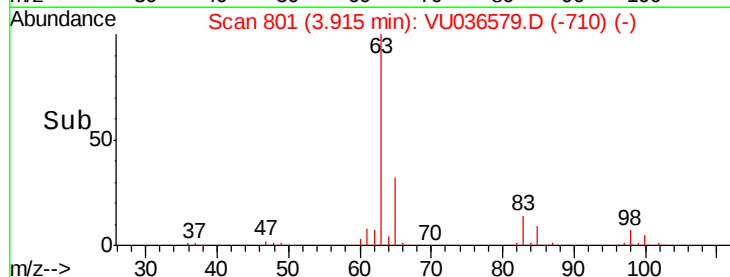


Abundance Ion 63.00 (62.70 to 63.70): VU036578.D (-785) (-)

Ion 65.00 (64.70 to 65.70): VU036578.D (-785) (-)

Ion 83.00 (82.70 to 83.70): VU036578.D (-785) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 105.272 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

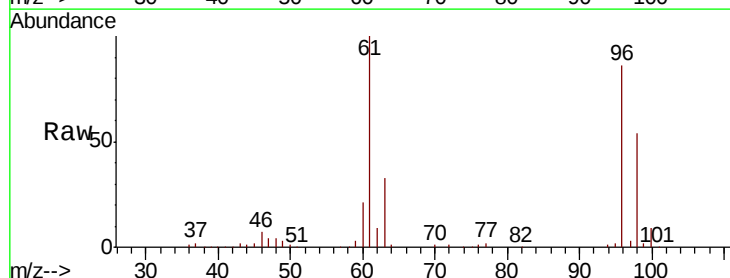
Tgt Ion: 96 Resp: 218622

Ion Ratio Lower Upper

96 100

61 116.4 82.2 152.6

68 0.0 0.0 0.0

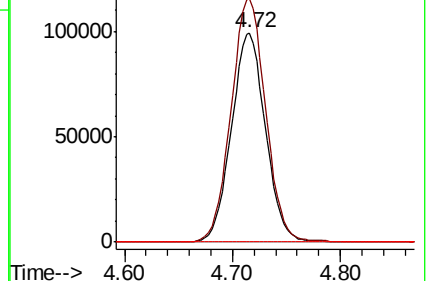
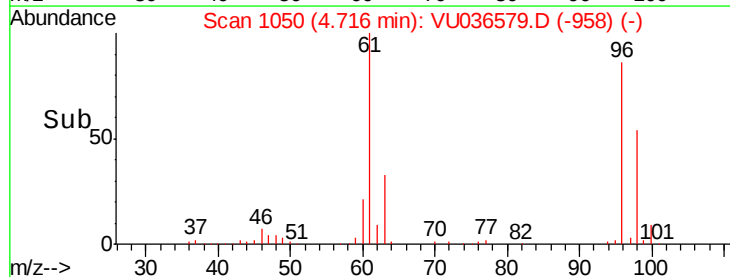


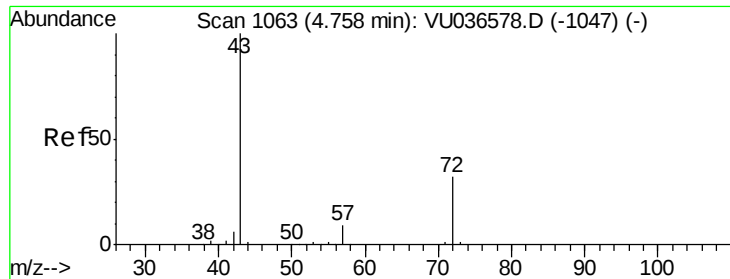
Abundance Ion 96.00 (95.70 to 96.70): VU036578.D (-1034) (-)

Ion 61.00 (60.70 to 61.70): VU036578.D (-1034) (-)

Ion 68.00 (67.70 to 68.70): VU036578.D (-1034) (-)

Time-->





#22

2-Butanone

Concen: 158.522 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

Instrument :

MSVOA_U

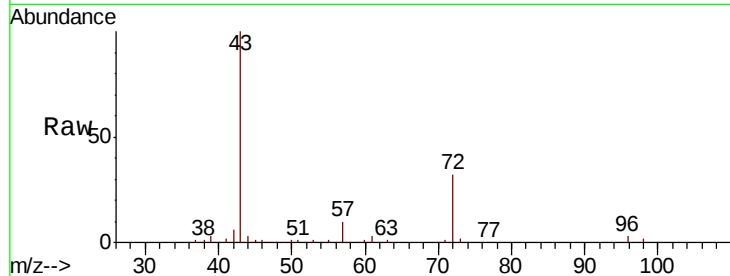
ClientSampled :

Tot Ion: 43 Resp: 289225

Ion Ratio Lower Upper

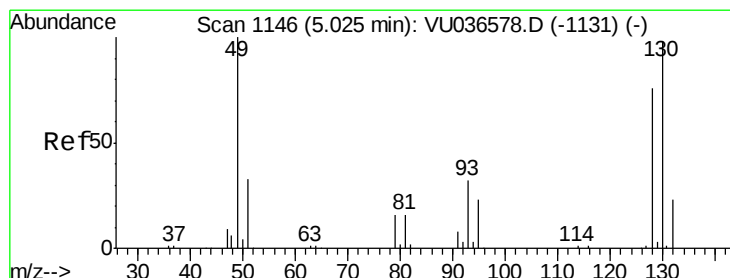
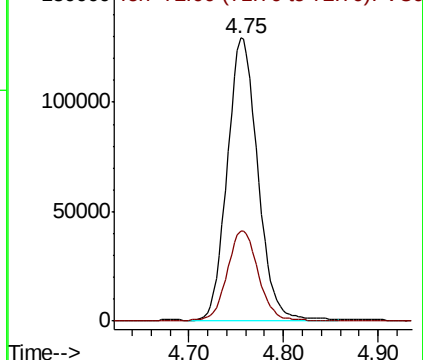
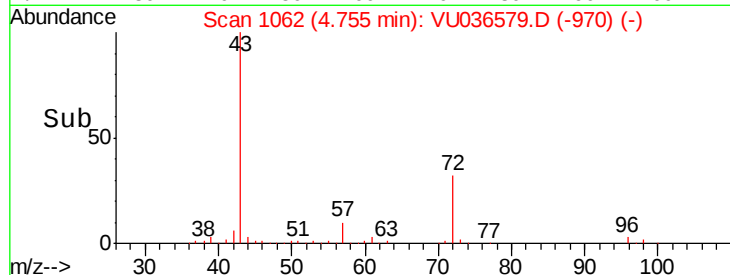
43 100

72 32.9 16.7 50.1



Abundance Ion 43.00 (42.70 to 43.70): VU036579.D (-970) (-)

Ion 72.00 (71.70 to 72.70): VU036579.D (-970) (-)



#23

Bromochloromethane

Concen: 108.289 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

Tgt Ion:128 Resp: 110410

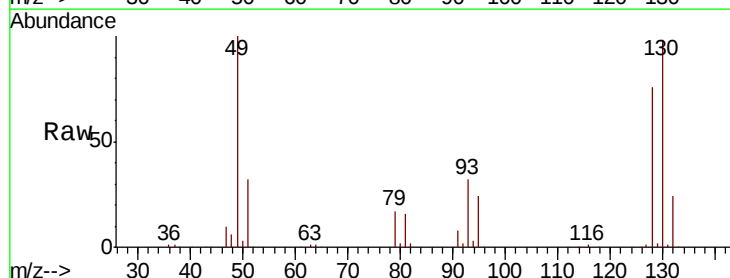
Ion Ratio Lower Upper

128 100

49 131.9 92.5 171.9

130 129.0 90.4 168.0

51 42.6 34.6 52.0

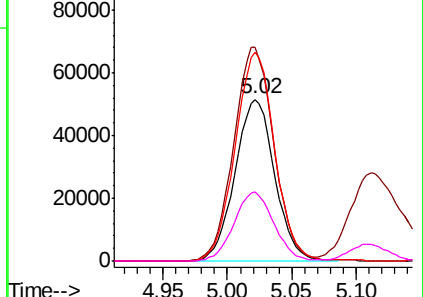
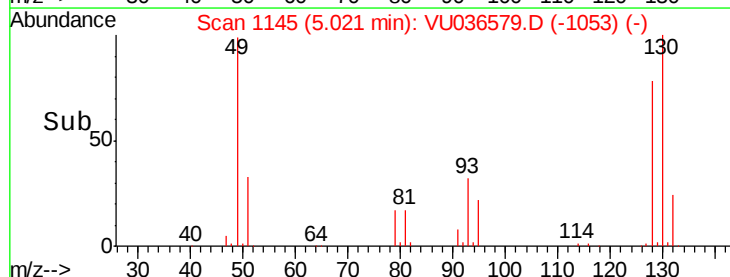


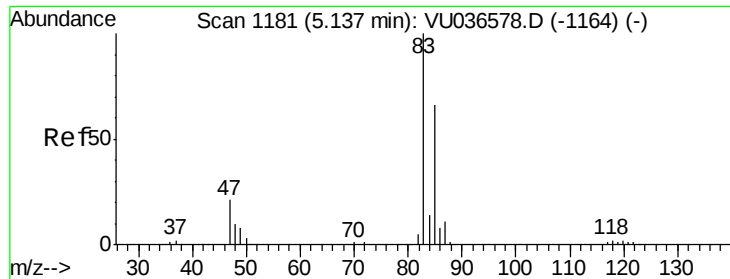
Abundance Ion 128.00 (127.70 to 128.70): VU036579.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU036579.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU036579.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU036579.D (-1053) (-)

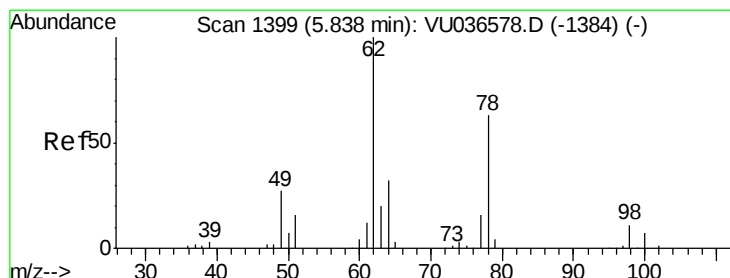
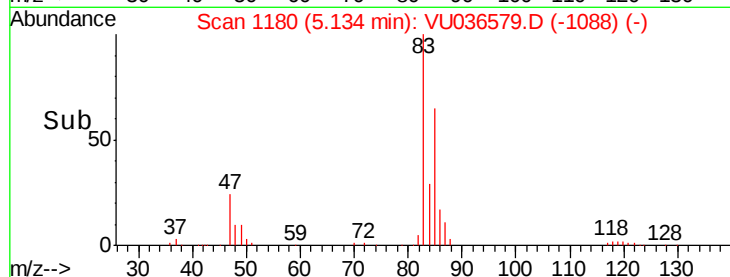
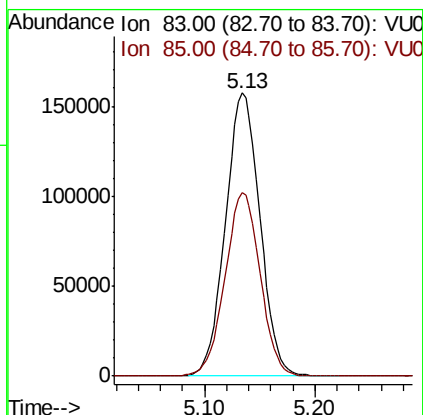
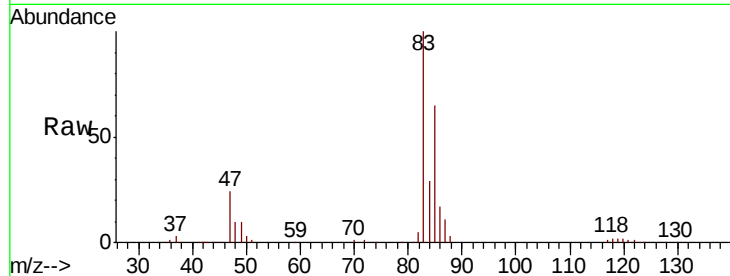




#25
Chloroform
Concen: 95.124 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036579.D
Acq: 28 Jan 2020 17:59

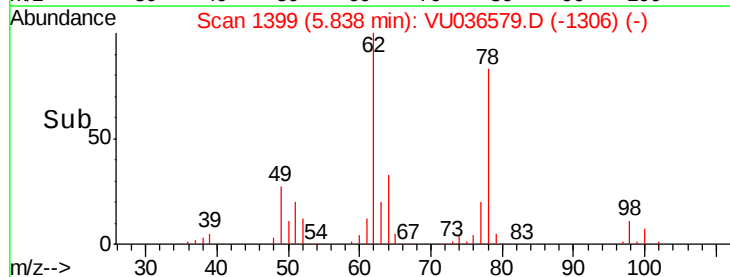
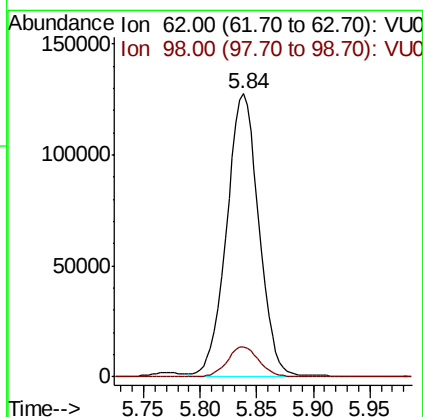
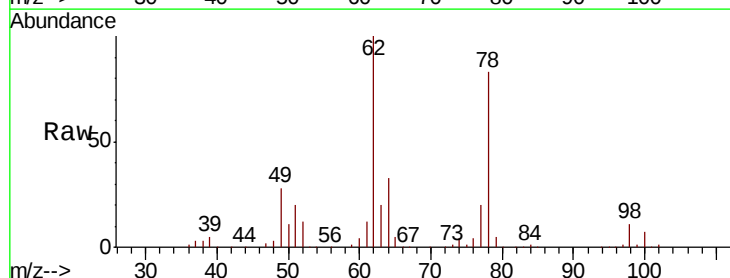
Instrument :
MSVOA_U
ClientSampleId :

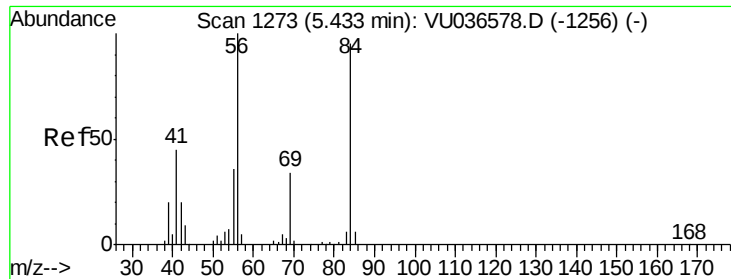
Tot Ion: 83 Resp: 341119
Ion Ratio Lower Upper
83 100
85 64.7 46.3 85.9



#27
1,2-Dichloroethane
Concen: 89.691 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036579.D
Acq: 28 Jan 2020 17:59

Tgt Ion: 62 Resp: 252135
Ion Ratio Lower Upper
62 100
98 10.7 8.4 12.6

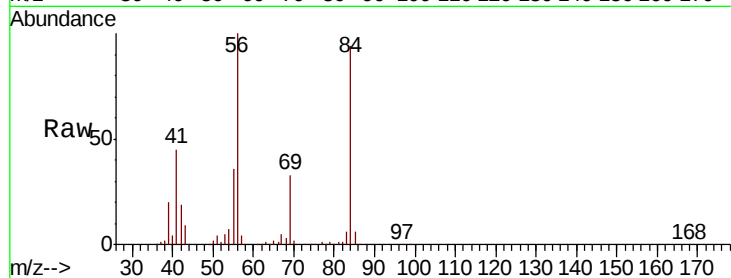




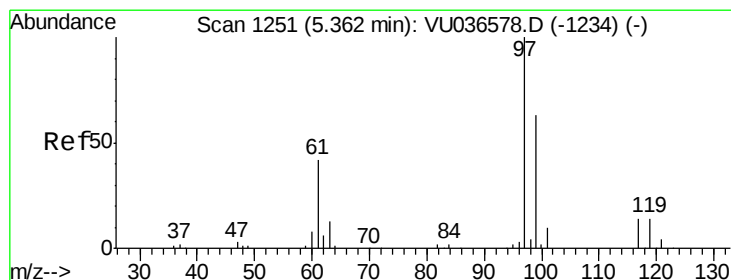
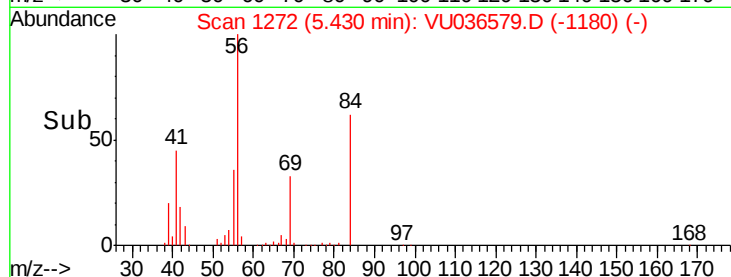
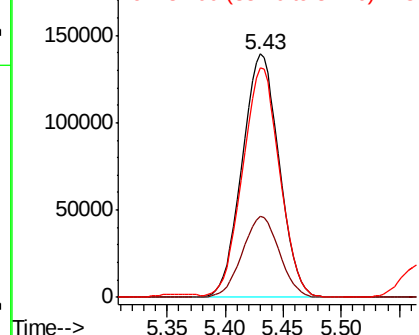
#29
Cyclohexane
Concen: 100.030 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU036579.D
Acq: 28 Jan 2020 17:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 310482
Ion Ratio Lower Upper
56 100
69 33.2 26.4 39.6
84 94.1 76.6 114.8

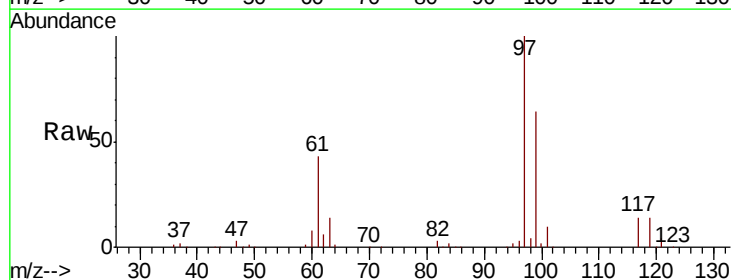


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

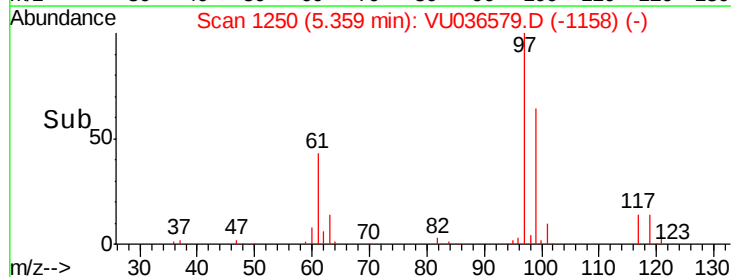
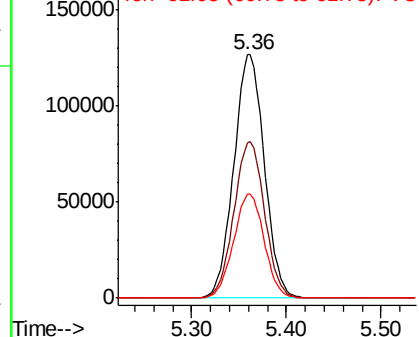


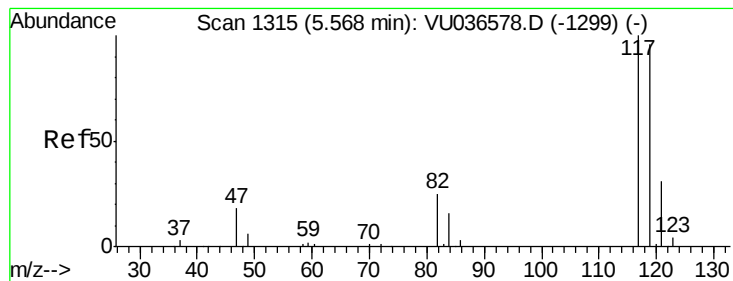
#30
1,1,1-Trichloroethane
Concen: 93.973 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036579.D
Acq: 28 Jan 2020 17:59

Tgt Ion: 97 Resp: 285034
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.4
61 42.8 34.1 51.1



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 95.204 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

Instrument :

MSVOA_U

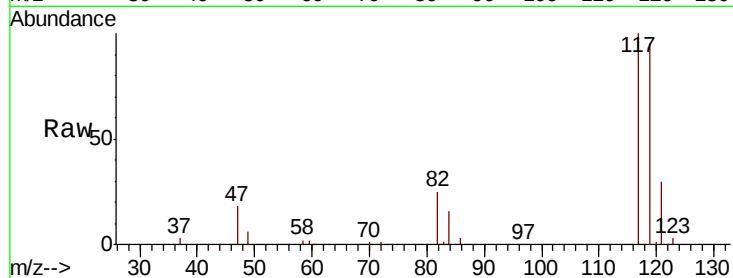
ClientSampleId :

Tot Ion:117 Resp: 246682

Ion Ratio Lower Upper

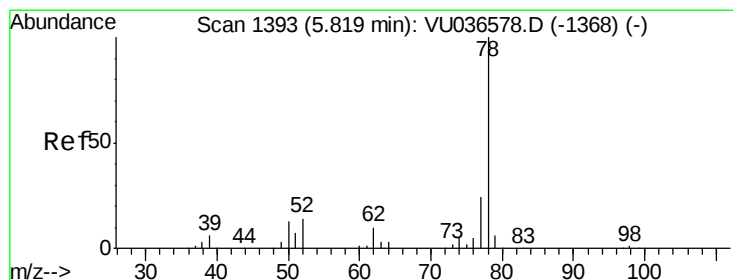
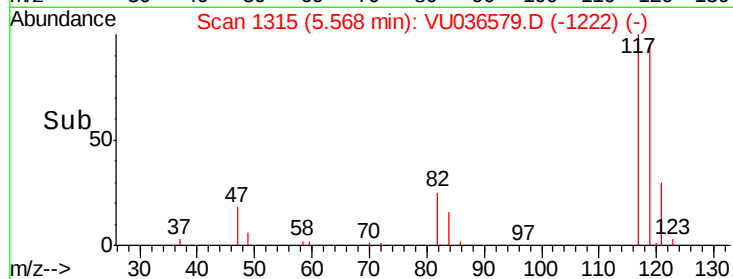
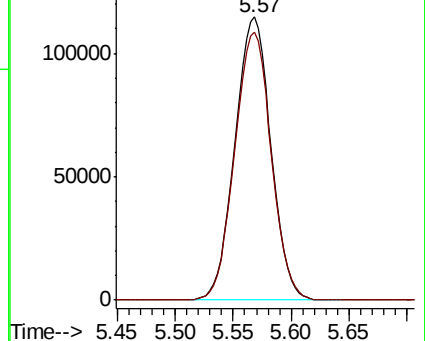
117 100

119 96.4 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 105.533 ug/L

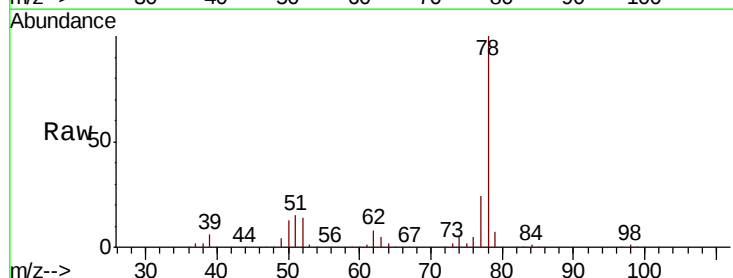
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

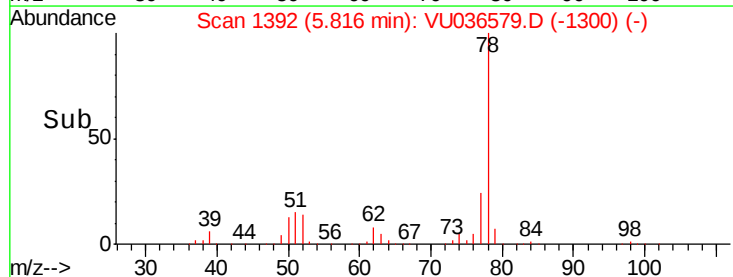
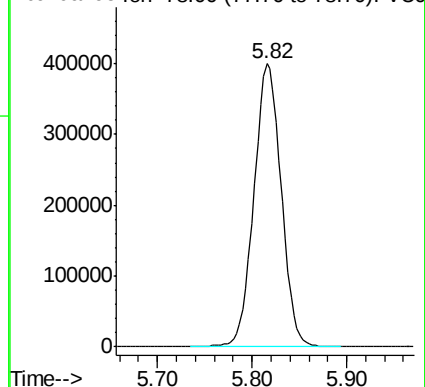
Lab File: VU036579.D

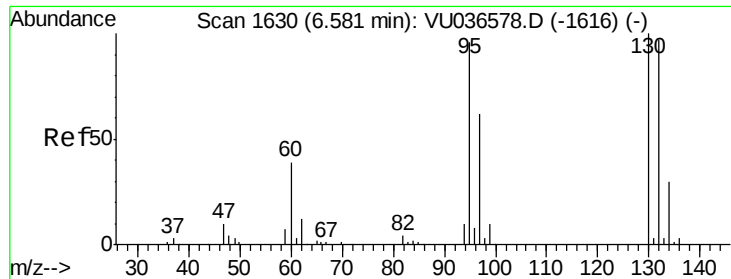
Acq: 28 Jan 2020 17:59

Tgt Ion: 78 Resp: 800741



Abundance Ion 78.00 (77.70 to 78.70): VU0

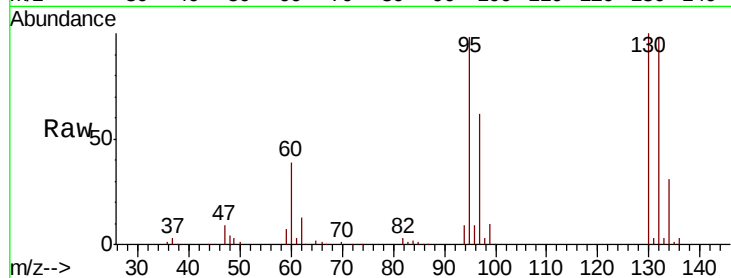




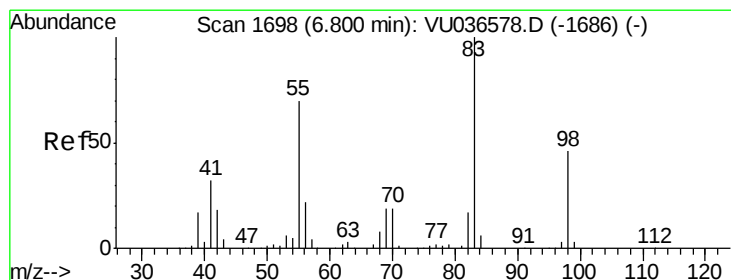
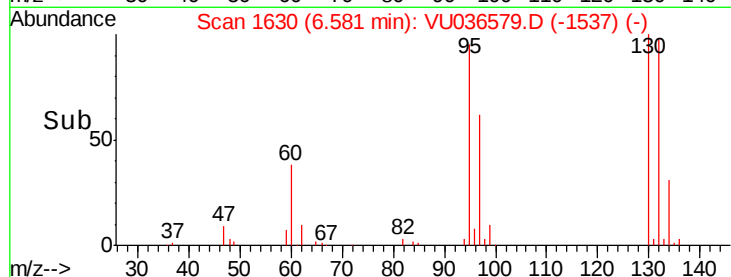
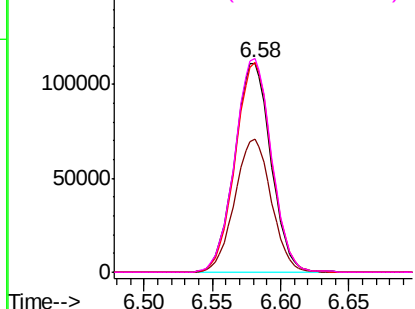
#34
 Trichloroethene
 Concen: 102.088 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU036579.D
 Acq: 28 Jan 2020 17:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 206380
 Ion Ratio Lower Upper
 95 100
 97 63.3 45.5 84.5
 132 100.1 70.9 131.7
 130 102.1 72.9 135.3

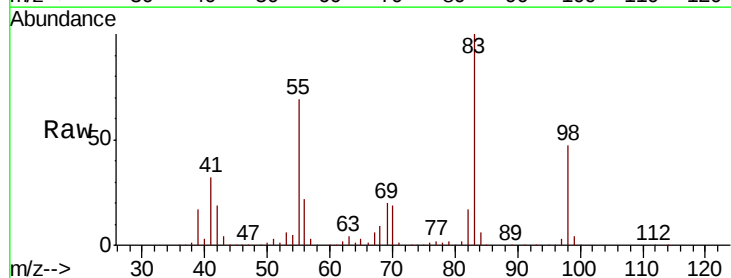


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

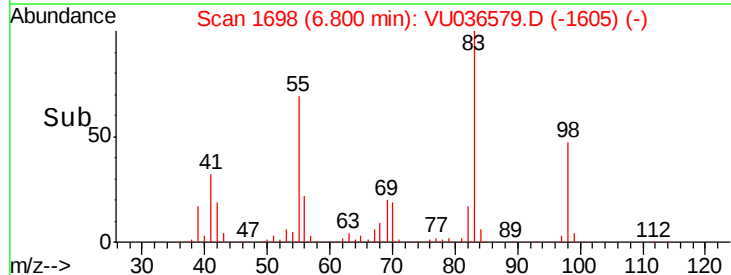
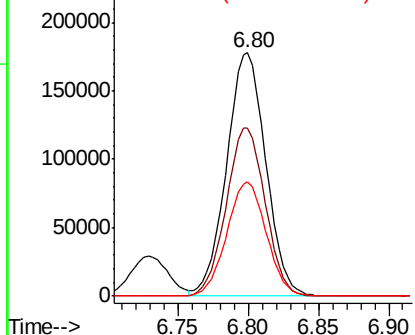


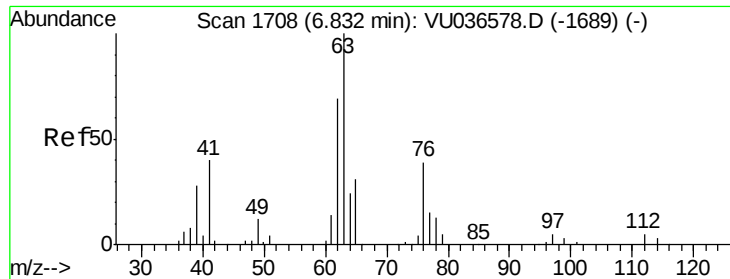
#35
 Methylcyclohexane
 Concen: 108.975 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU036579.D
 Acq: 28 Jan 2020 17:59

Tgt Ion: 83 Resp: 345001
 Ion Ratio Lower Upper
 83 100
 55 68.8 56.1 84.1
 98 47.3 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

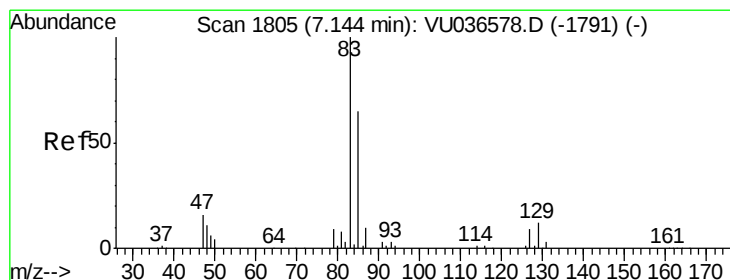
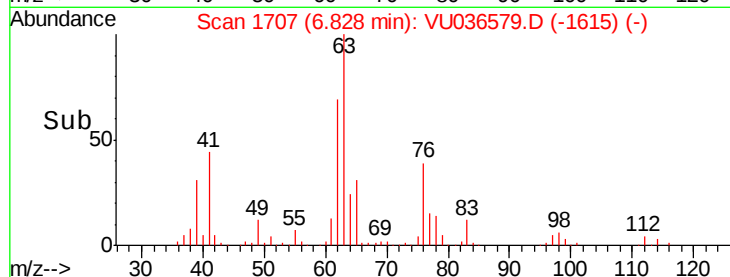
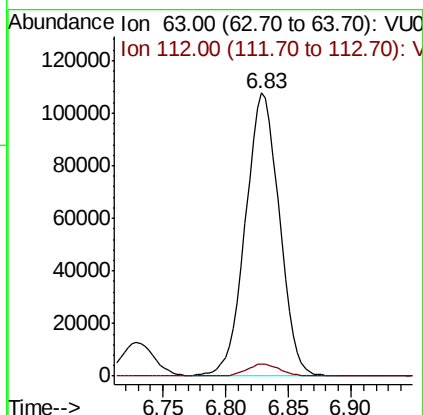
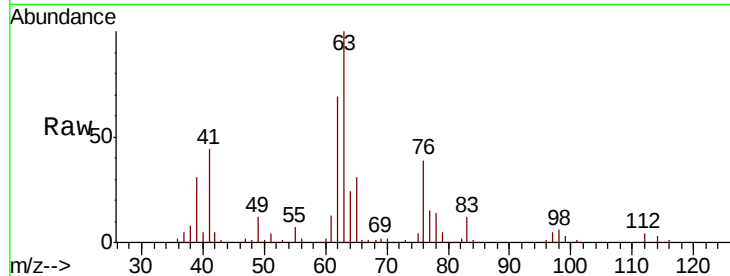




#37
 1,2-Dichloropropane
 Concen: 100.788 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036579.D
 Acq: 28 Jan 2020 17:59

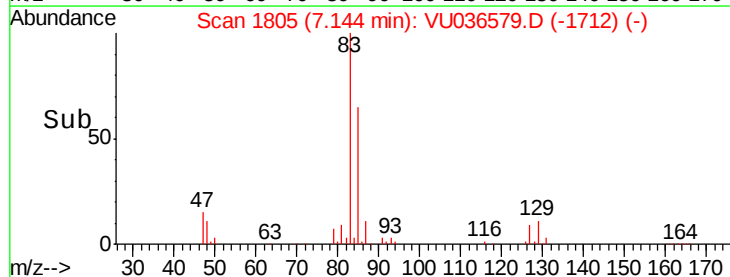
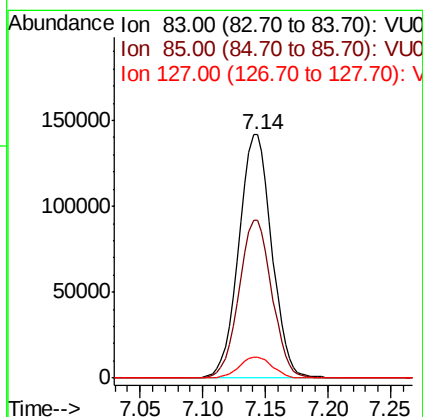
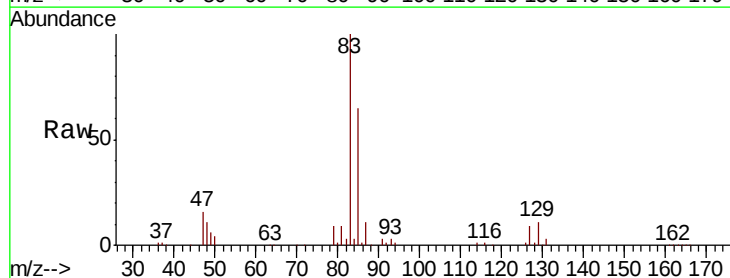
Instrument :
 MSVOA_U
 ClientSampled :

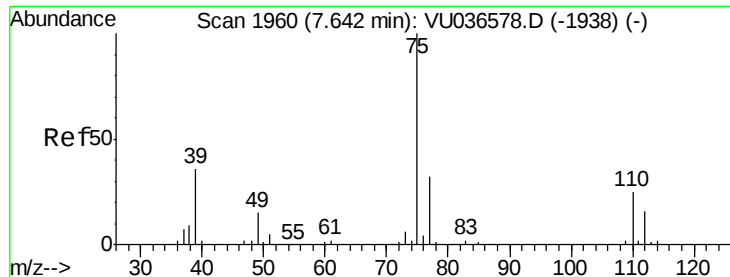
Tot Ion: 63 Resp: 202461
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#38
 Bromodichloromethane
 Concen: 95.363 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU036579.D
 Acq: 28 Jan 2020 17:59

Tgt Ion: 83 Resp: 258321
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.4 84.4
 127 8.7 7.2 10.8

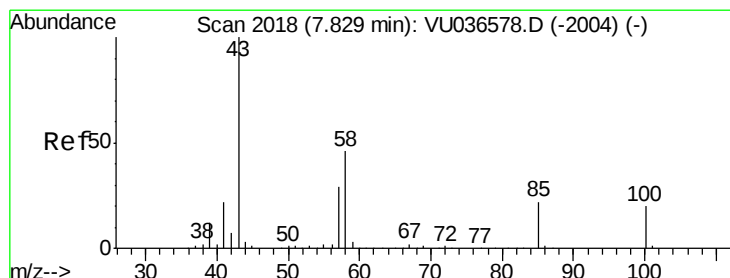
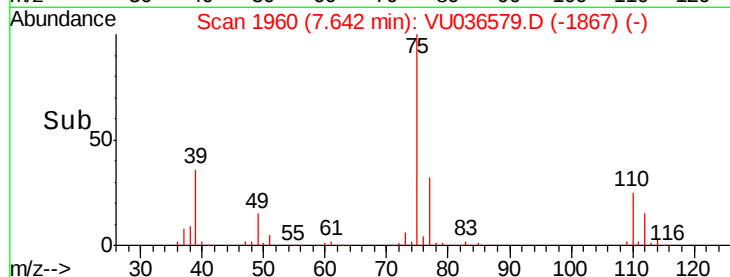
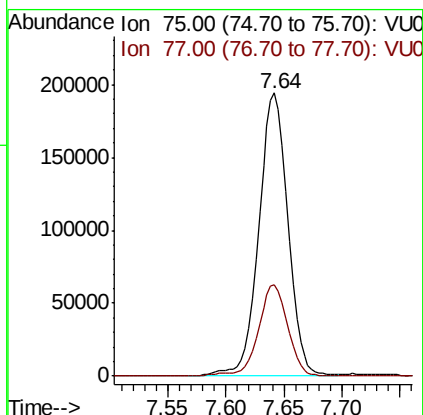
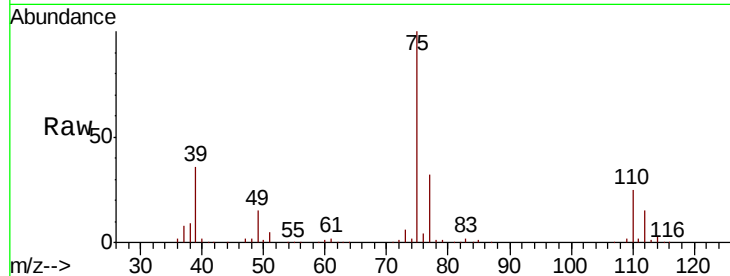




#39
 cis-1,3-Dichloropropene
 Concen: 105.596 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036579.D
 Acq: 28 Jan 2020 17:59

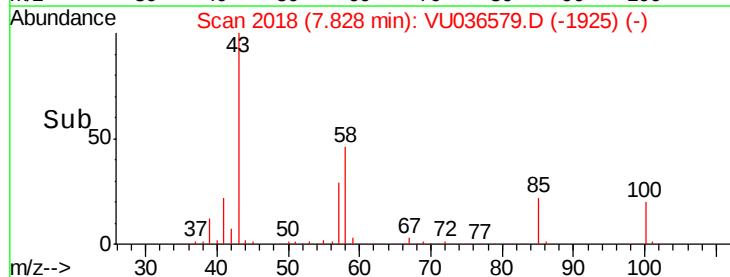
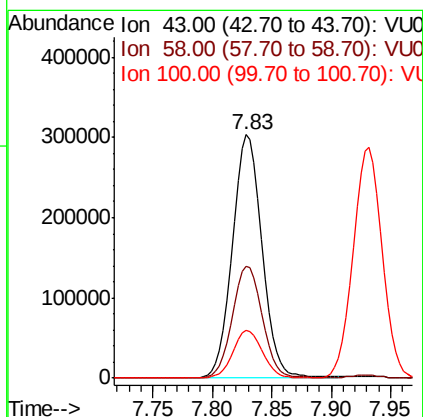
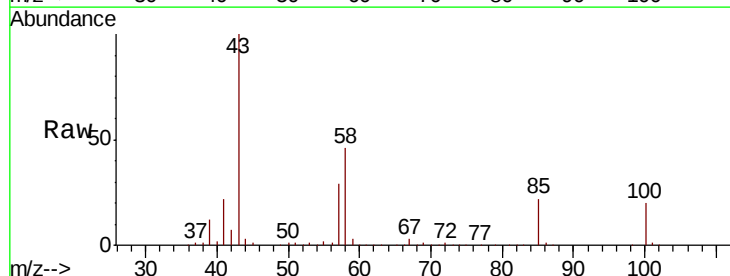
Instrument :
 MSVOA_U
 ClientSampleId :

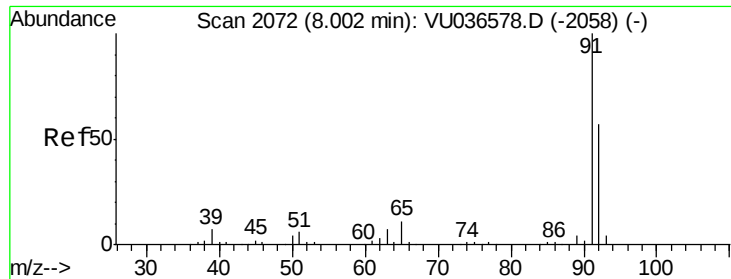
Tot Ion: 75 Resp: 341246
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 169.311 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: VU036579.D
 Acq: 28 Jan 2020 17:59

Tgt Ion: 43 Resp: 525972
 Ion Ratio Lower Upper
 43 100
 58 46.5 37.0 55.4
 100 19.7 15.8 23.6





#42

Toluene

Concen: 106.694 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

Instrument :

MSVOA_U

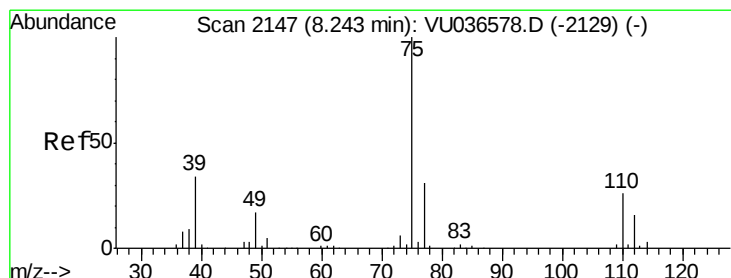
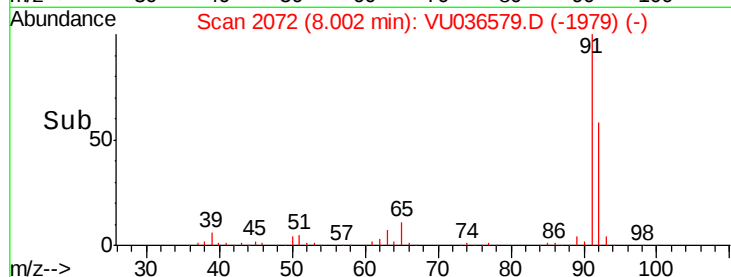
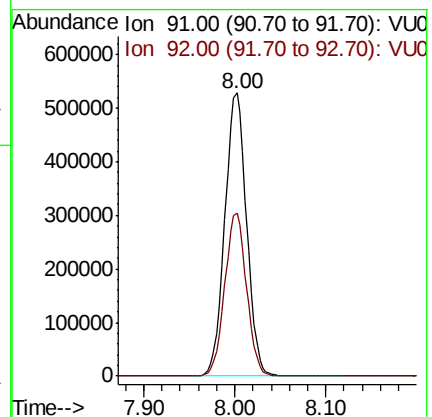
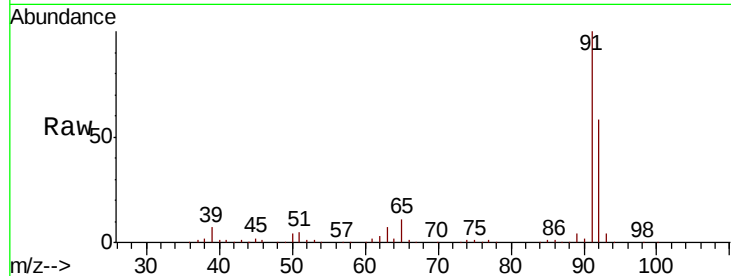
ClientSampled :

Tot Ion: 91 Resp: 879975

Ion Ratio Lower Upper

91 100

92 57.5 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 100.746 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036579.D

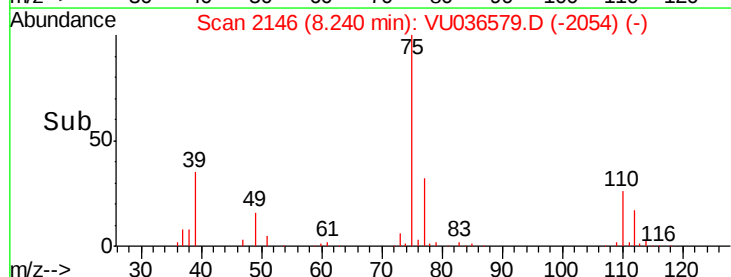
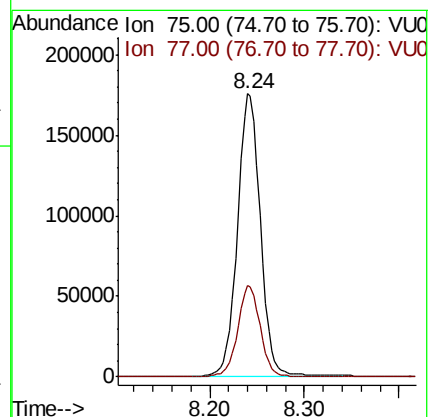
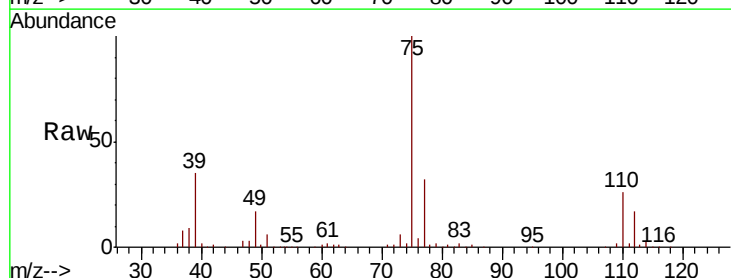
Acq: 28 Jan 2020 17:59

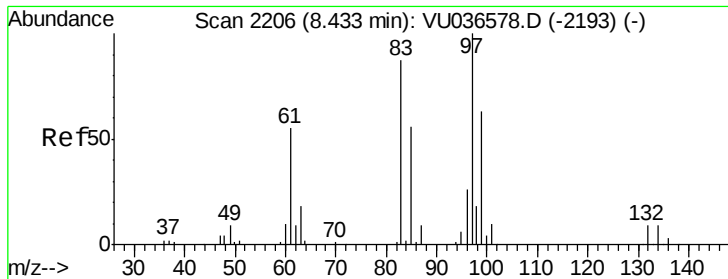
Tgt Ion: 75 Resp: 298058

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.6

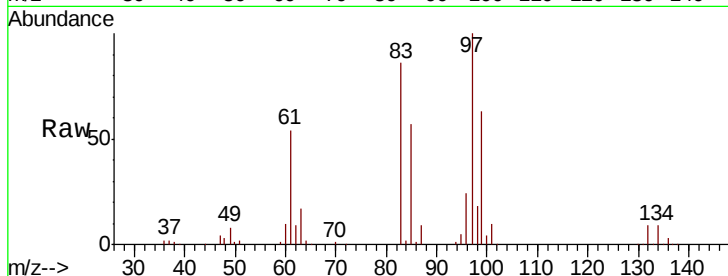




#45
1,1,2-Trichloroethane
Concen: 104.145 ug/L
RT: 8.43 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VU036579.D
Acq: 28 Jan 2020 17:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	201415
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.1	81.9
83	85.9	61.2	113.6
85	57.0	39.2	72.8



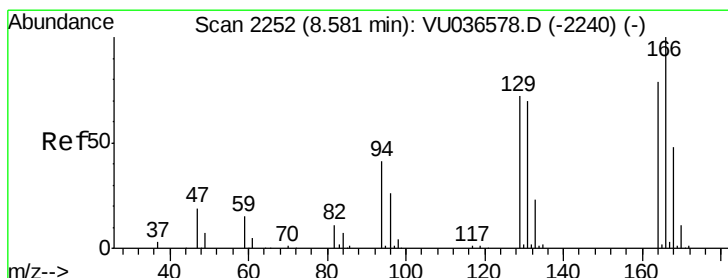
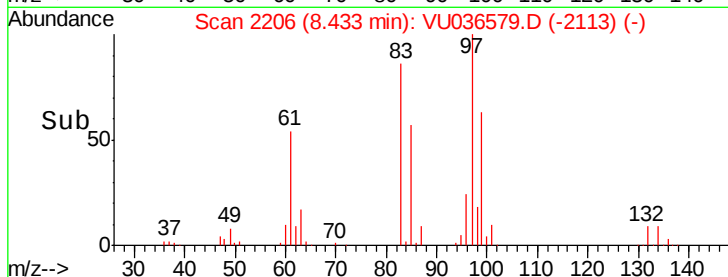
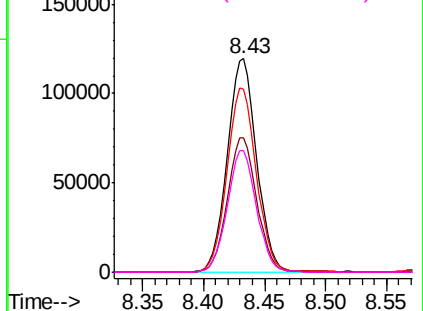
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

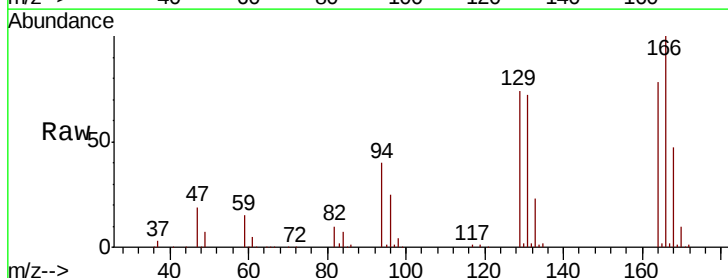
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
Tetrachloroethene
Concen: 118.246 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU036579.D
Acq: 28 Jan 2020 17:59

Tgt Ion:	164	Resp:	167376
Ion	Ratio	Lower	Upper
164	100		
129	95.0	64.2	119.2
131	92.1	61.8	114.8
166	128.2	88.8	165.0



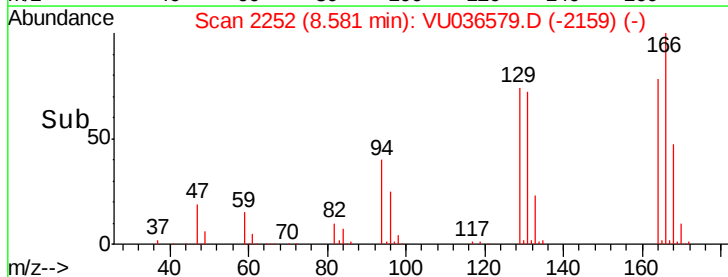
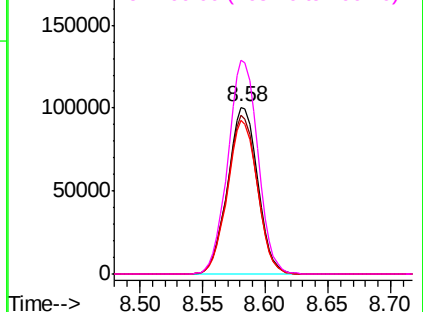
Abundance

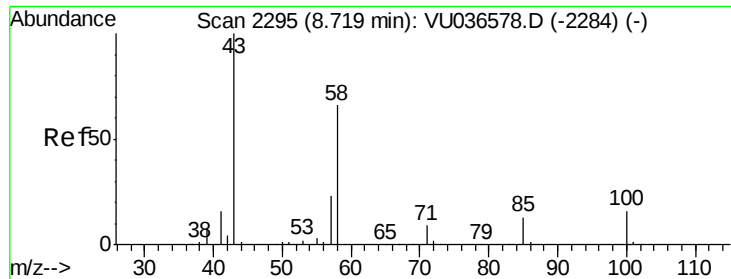
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

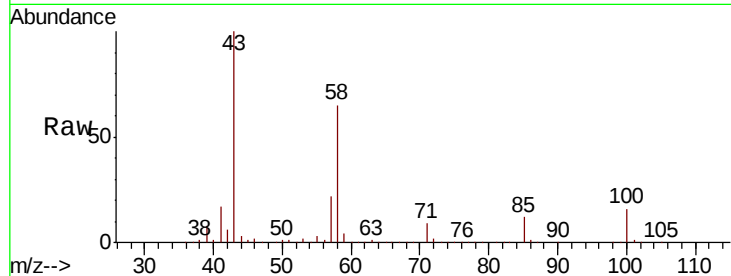




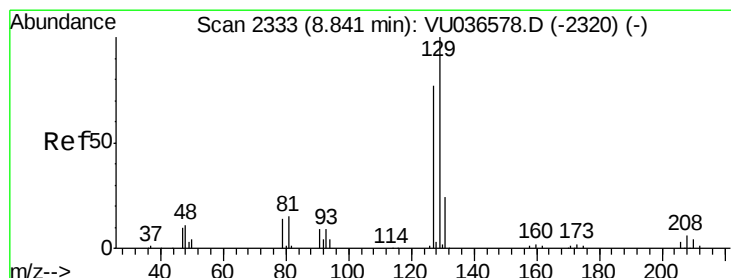
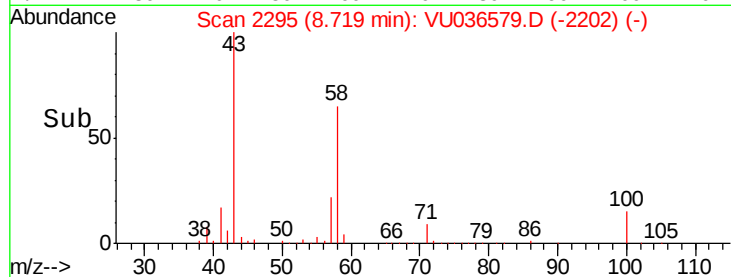
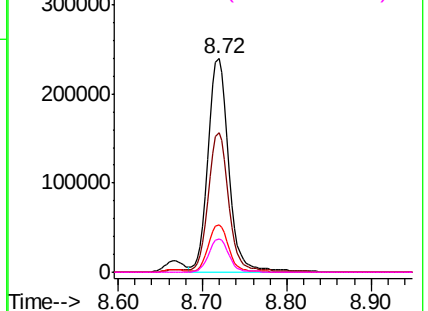
#48
2-Hexanone
Concen: 167.425 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036579.D
Acq: 28 Jan 2020 17:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 411204
Ion Ratio Lower Upper
43 100
58 65.1 49.4 74.0
57 21.4 17.1 25.7
100 15.1 11.9 17.9

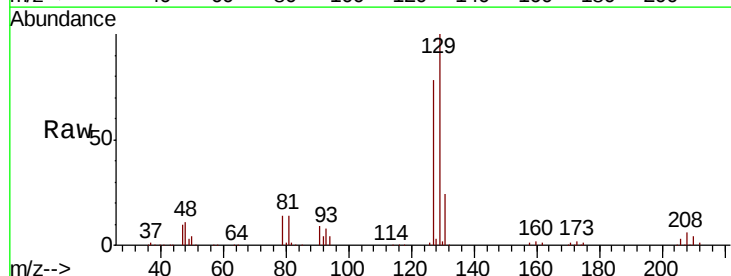


Abundance Ion 43.00 (42.70 to 43.70): VU036579.D (-2202) (-)
Ion 58.00 (57.70 to 58.70): VU036579.D (-2202) (-)
Ion 57.00 (56.70 to 57.70): VU036579.D (-2202) (-)
Ion 100.00 (99.70 to 100.70): VU036579.D (-2202) (-)

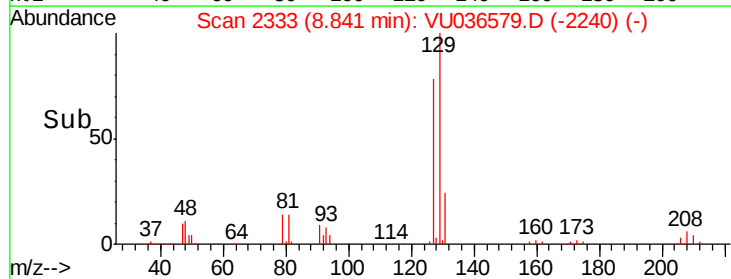
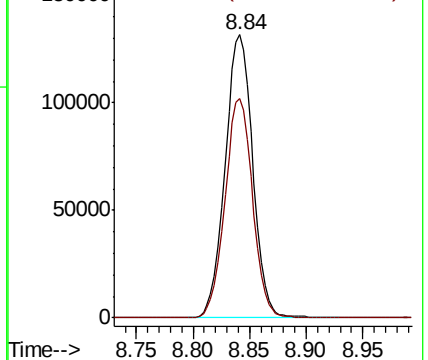


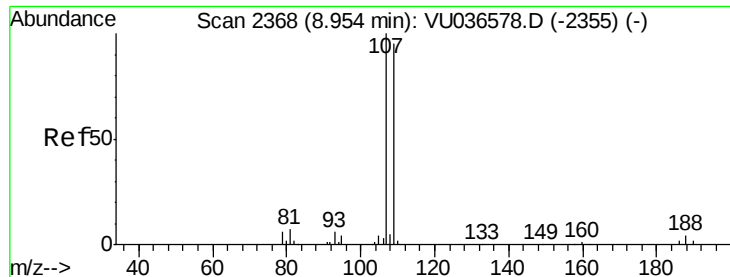
#49
Dibromochloromethane
Concen: 105.396 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036579.D
Acq: 28 Jan 2020 17:59

Tgt Ion: 129 Resp: 224043
Ion Ratio Lower Upper
129 100
127 77.6 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): VU036579.D (-2240) (-)
Ion 127.00 (126.70 to 127.70): VU036579.D (-2240) (-)

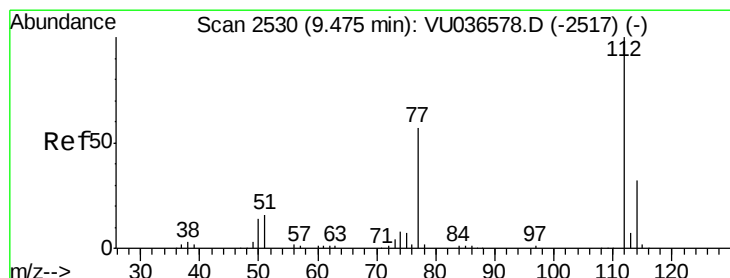
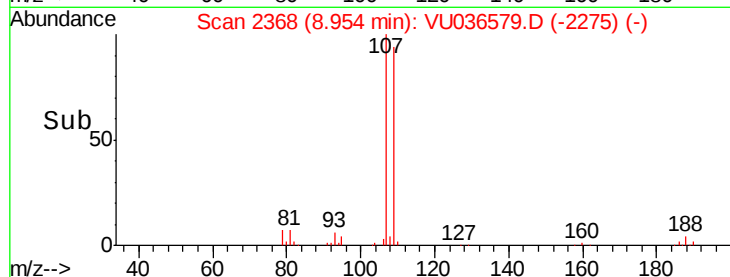
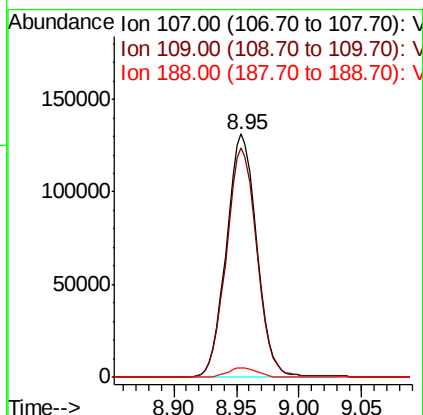
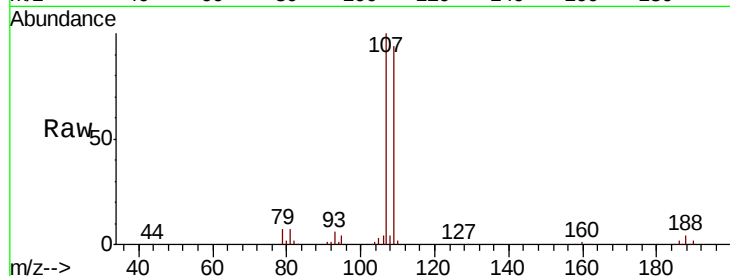




#50
1,2-Dibromoethane
Concen: 102.073 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VU036579.D
Acq: 28 Jan 2020 17:59

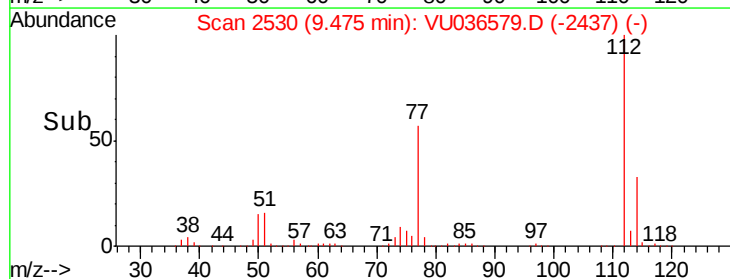
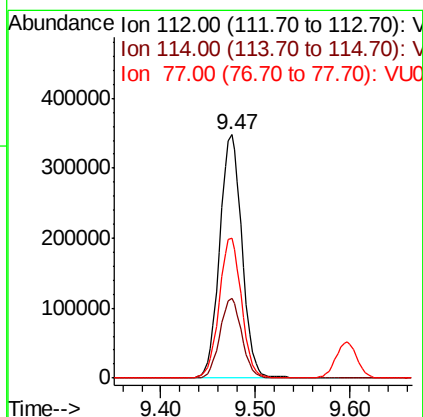
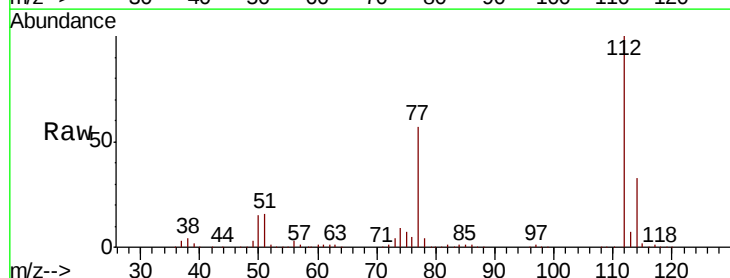
Instrument :
MSVOA_U
ClientSampleId :

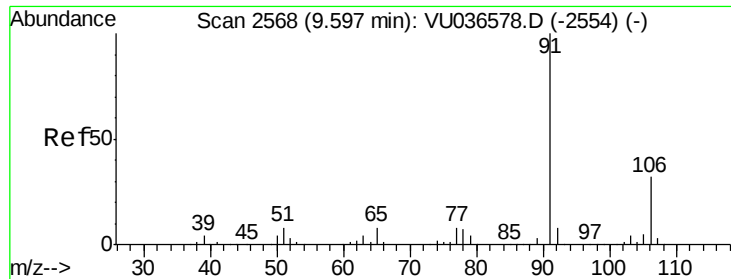
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	66.3	123.1
188	3.9	3.1	4.7



#51
Chlorobenzene
Concen: 108.979 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036579.D
Acq: 28 Jan 2020 17:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.3	41.5
77	57.4	45.7	68.5





#52

Ethylbenzene

Concen: 105.465 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

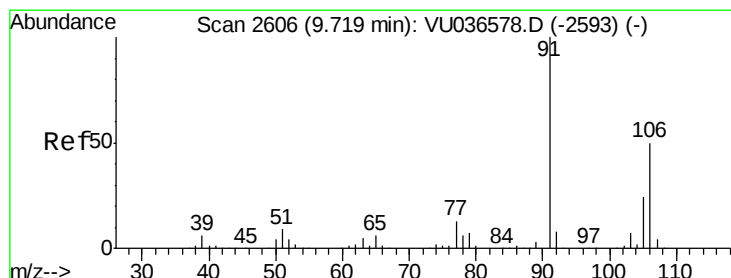
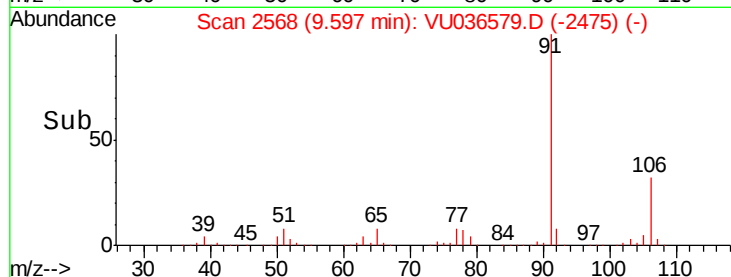
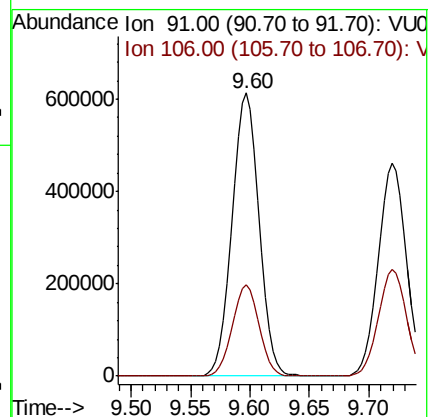
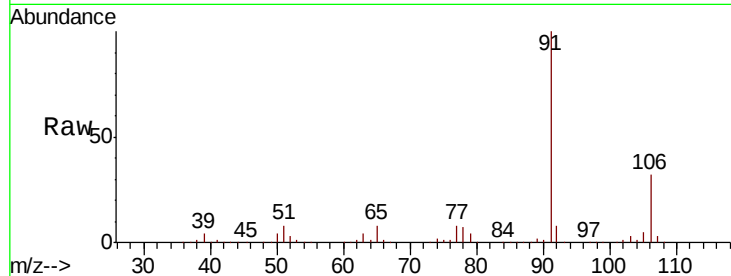
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 965991

Ion Ratio Lower Upper

91 100

106 32.2 22.6 42.0



#53

m,p-Xylene

Concen: 109.932 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036579.D

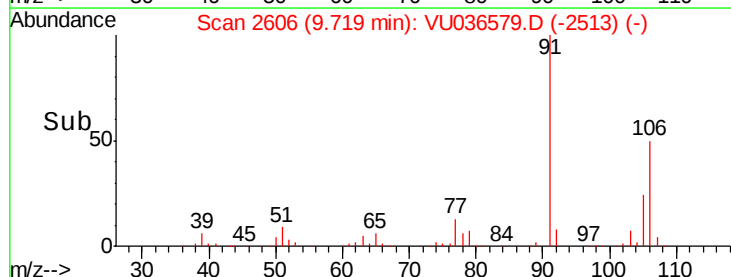
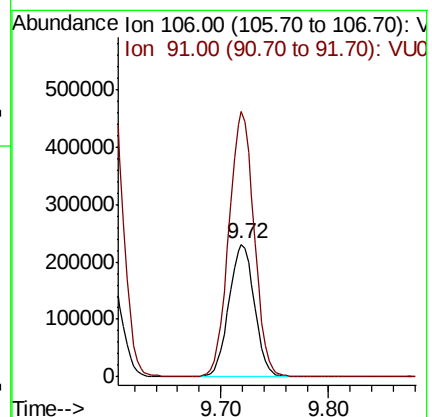
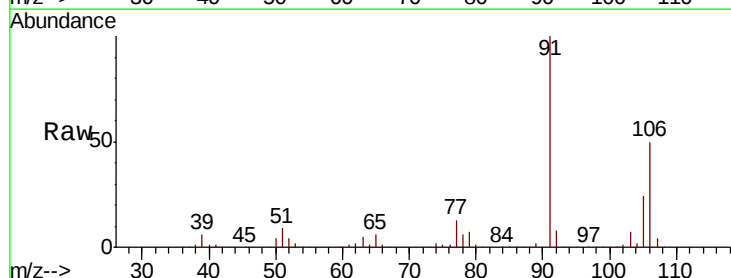
Acq: 28 Jan 2020 17:59

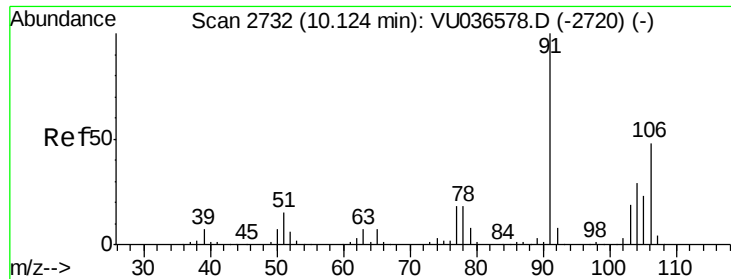
Tgt Ion: 106 Resp: 380052

Ion Ratio Lower Upper

106 100

91 200.2 139.4 259.0





#54

o-xylene

Concen: 108.097 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

Instrument :

MSVOA_U

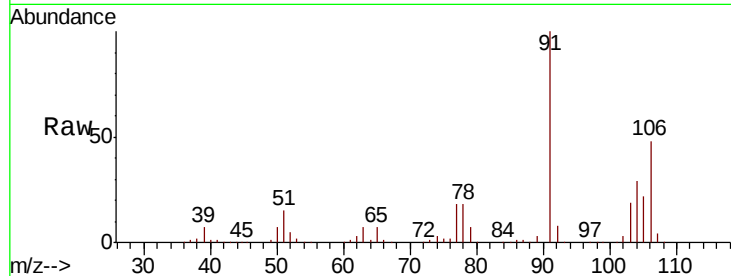
ClientSampleId :

Tot Ion:106 Resp: 374101

Ion Ratio Lower Upper

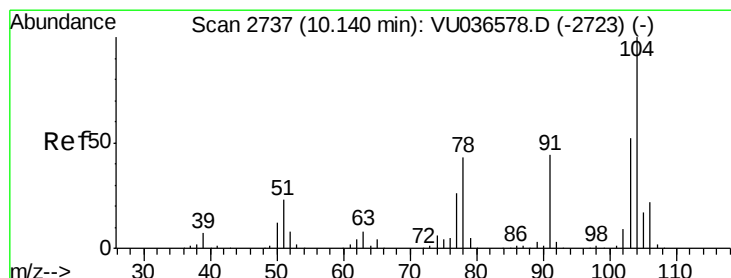
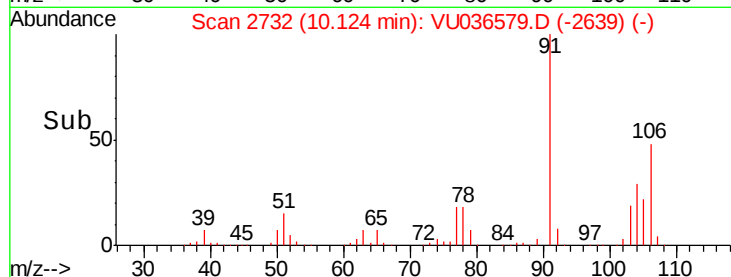
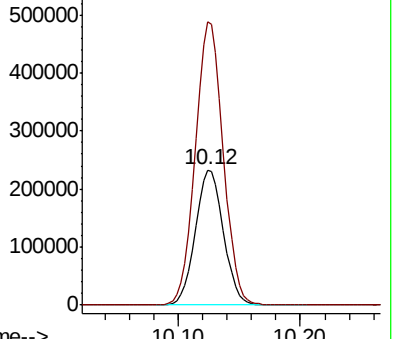
106 100

91 209.3 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 112.332 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036579.D

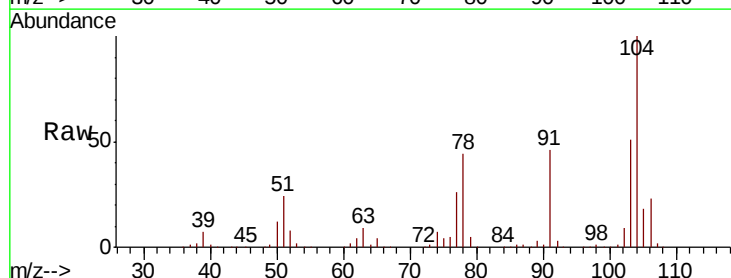
Acq: 28 Jan 2020 17:59

Tgt Ion:104 Resp: 629154

Ion Ratio Lower Upper

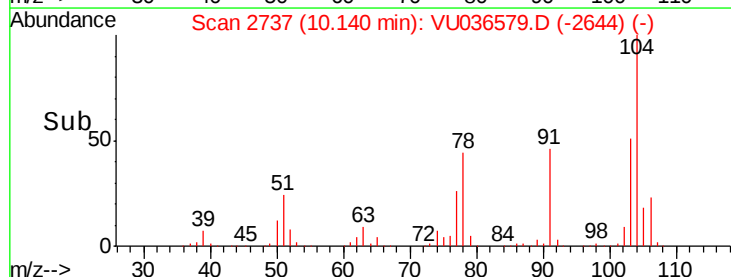
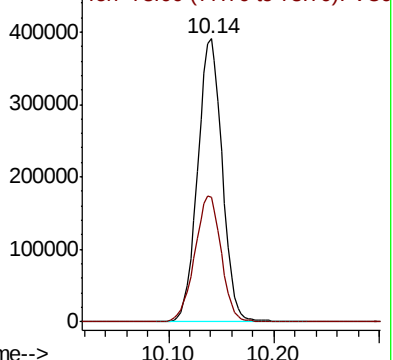
104 100

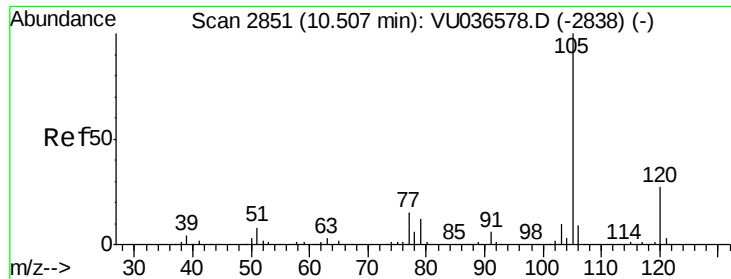
78 44.0 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 109.131 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

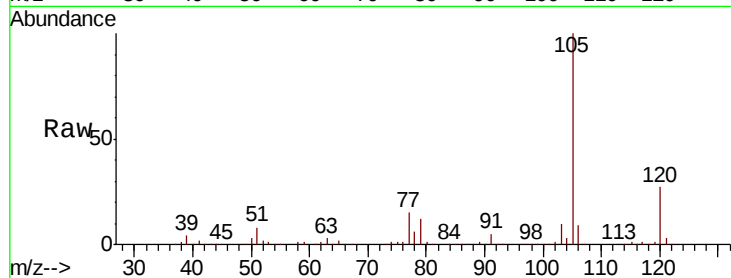
Tot Ion:105 Resp: 962547

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

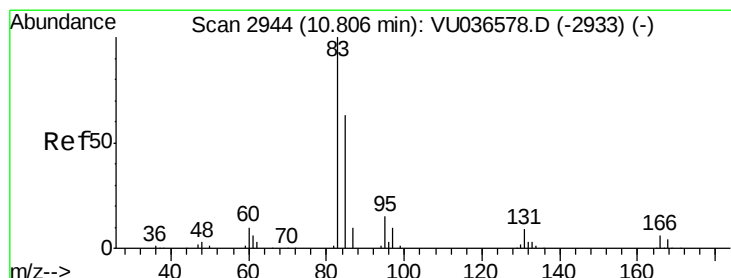
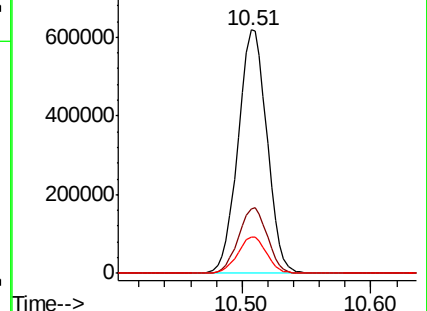
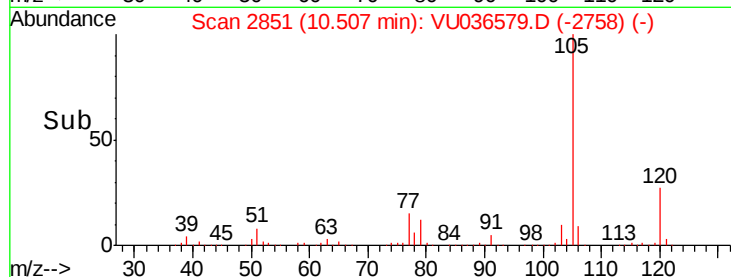
77 14.9 11.8 17.8



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: 105.192 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

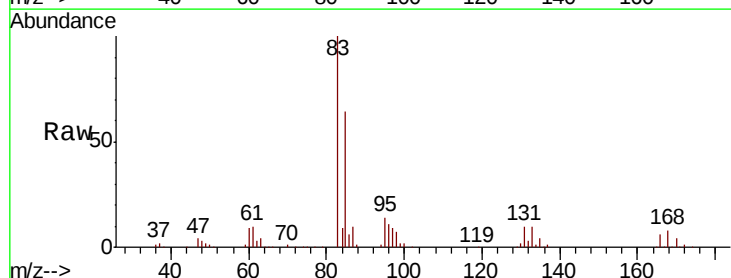
Tgt Ion: 83 Resp: 351886

Ion Ratio Lower Upper

83 100

85 64.3 44.5 82.7

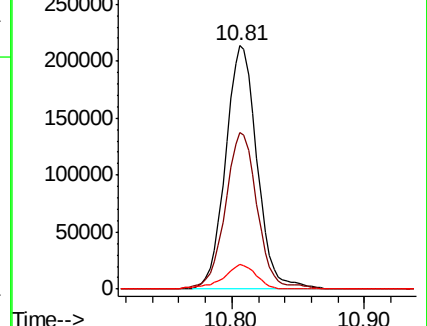
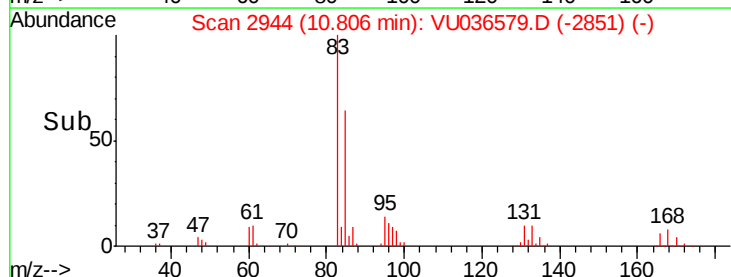
131 9.9 7.8 11.8

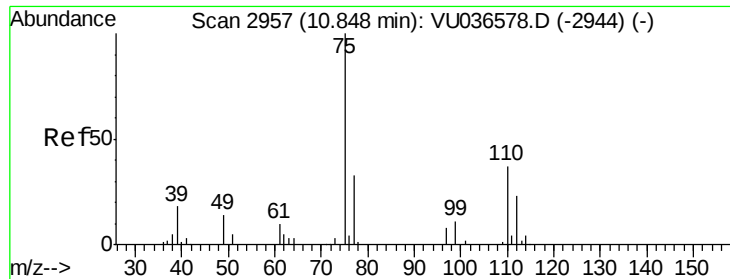


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 98.687 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

Instrument :

MSVOA_U

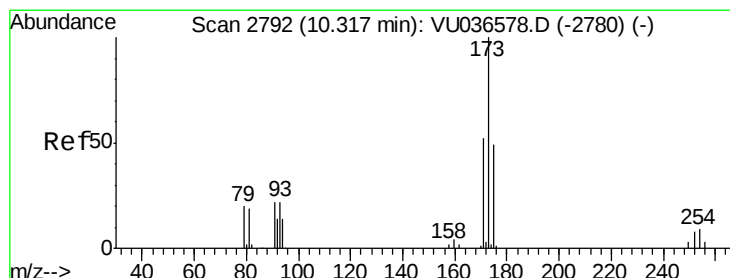
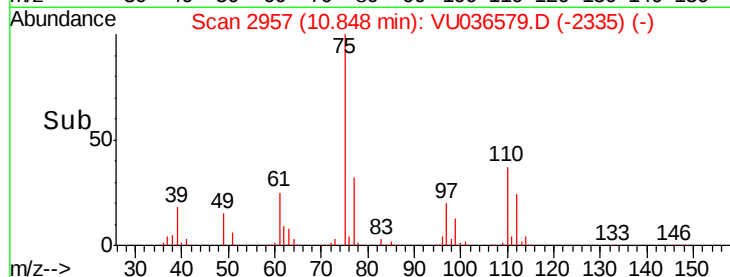
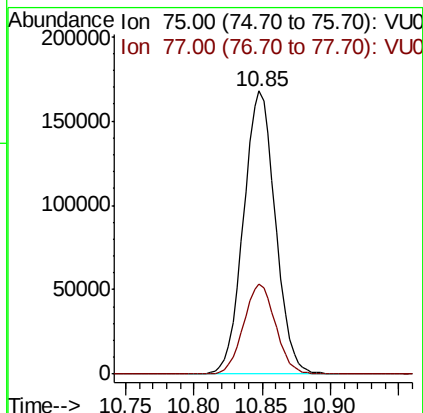
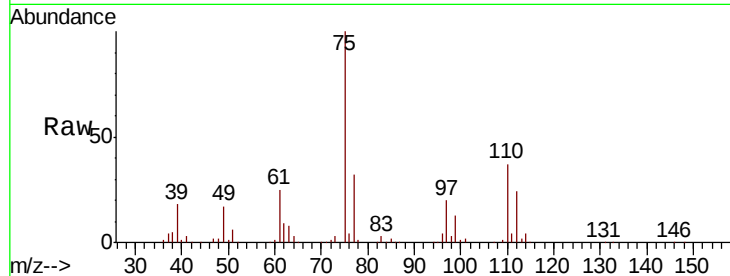
ClientSampleId :

Tot Ion: 75 Resp: 271285

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2



#61

Bromoform

Concen: 96.799 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

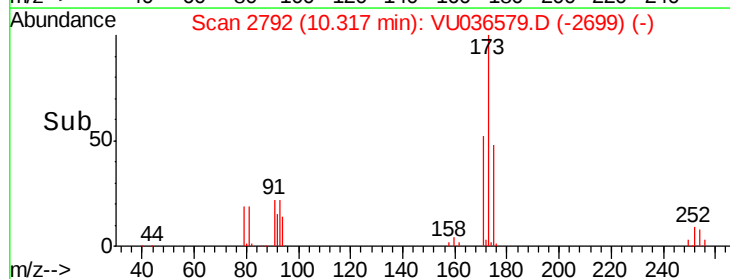
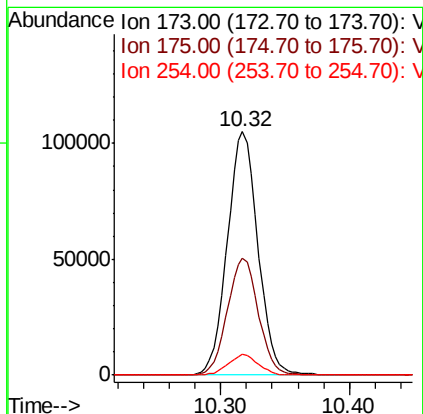
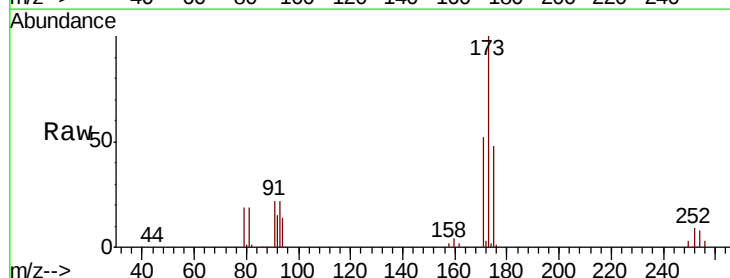
Tgt Ion: 173 Resp: 172992

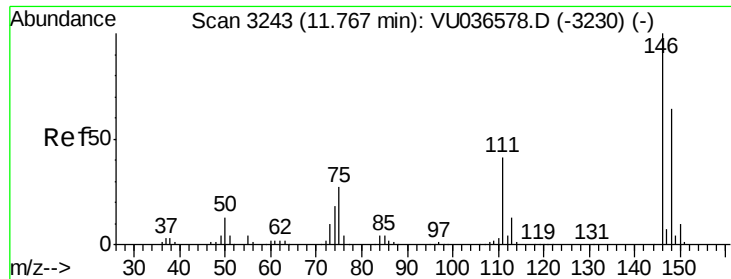
Ion Ratio Lower Upper

173 100

175 48.7 39.3 58.9

254 8.3 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 106.280 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036579.D

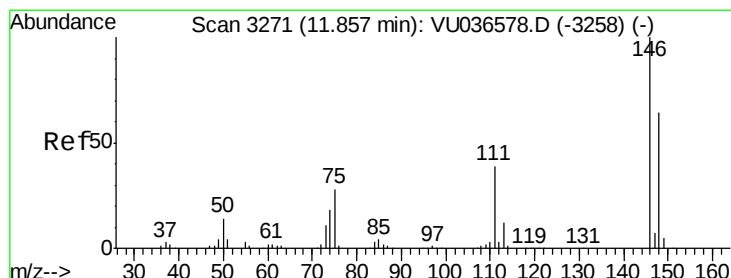
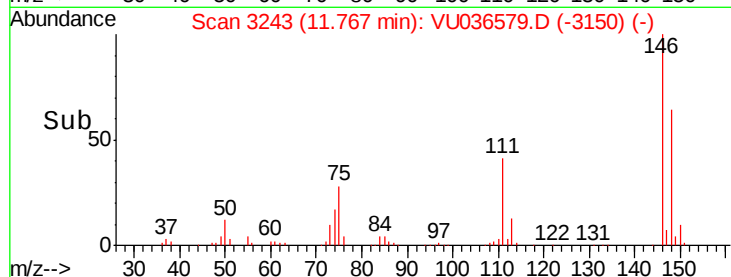
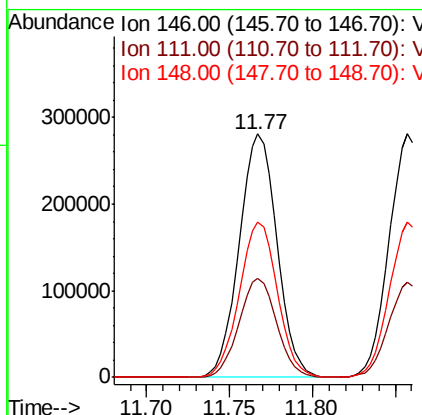
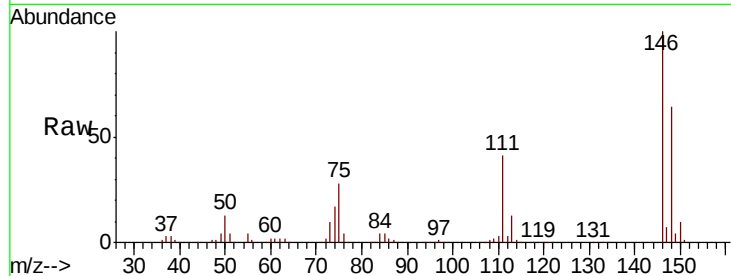
Acq: 28 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	446239	
Ion Ratio	Lower	Upper	
146	100		
111	40.6	28.6	53.0
148	63.8	44.7	82.9



#63

1,4-Dichlorobenzene

Concen: 106.131 ug/L

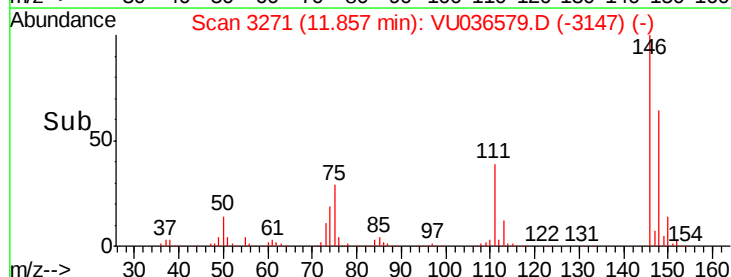
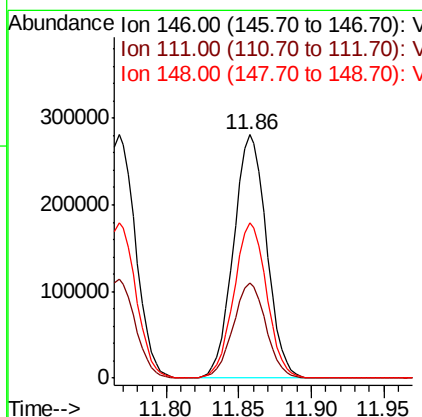
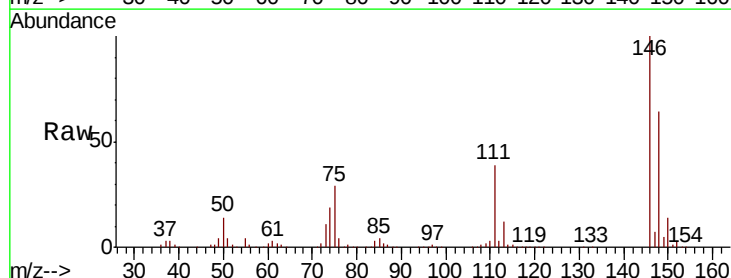
RT: 11.86 min Scan# 3271

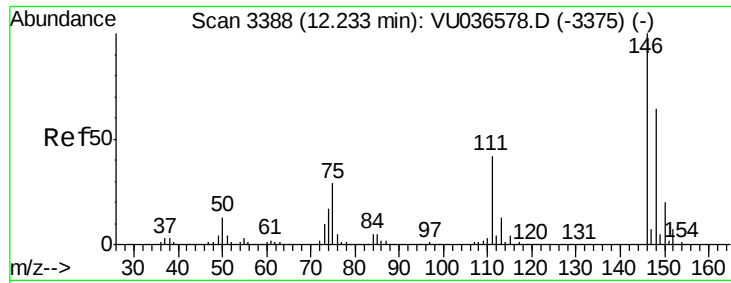
Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

Tgt Ion	146	Resp:	444752
Ion	Ratio	Lower	Upper
146	100		
111	39.1	27.2	50.4
148	63.6	44.8	83.2

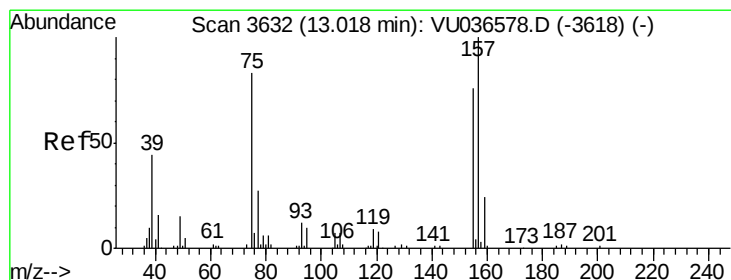
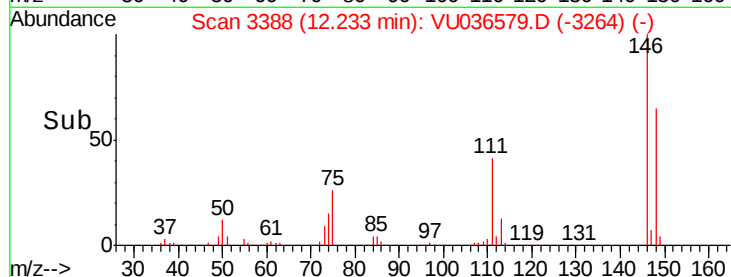
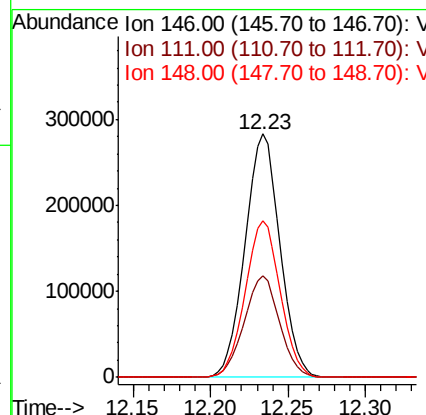
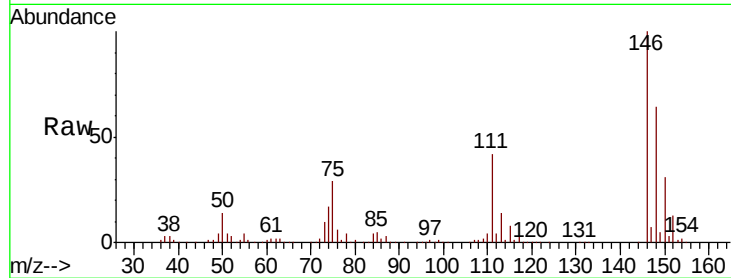




#65
 1,2-Dichlorobenzene
 Concen: 107.097 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036579.D
 Acq: 28 Jan 2020 17:59

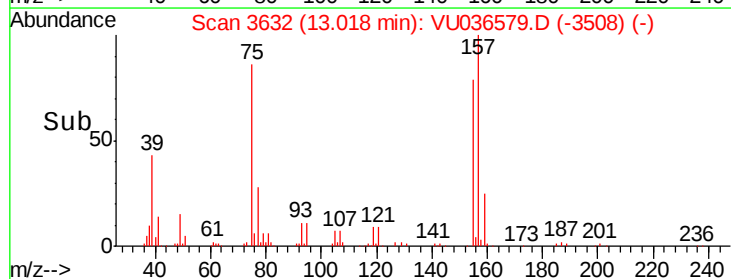
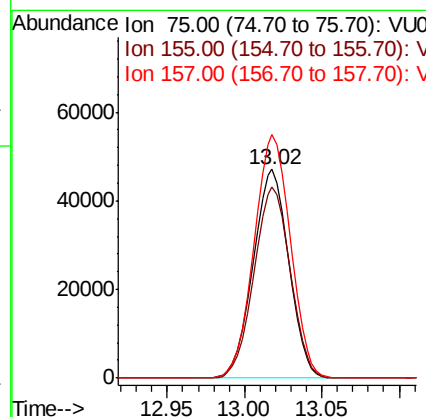
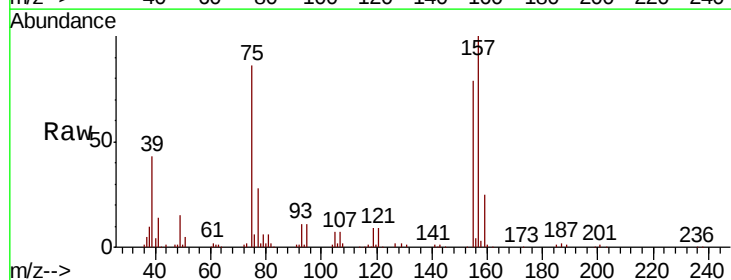
Instrument :
 MSVOA_U
 ClientSampleId :

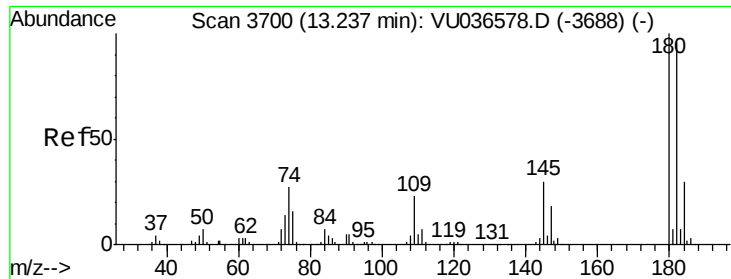
Tot Ion:146 Resp: 444527
 Ion Ratio Lower Upper
 146 100
 111 41.6 33.4 50.2
 148 64.3 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 87.020 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036579.D
 Acq: 28 Jan 2020 17:59

Tgt Ion: 75 Resp: 75838
 Ion Ratio Lower Upper
 75 100
 155 91.6 73.4 110.2
 157 116.5 96.8 145.2

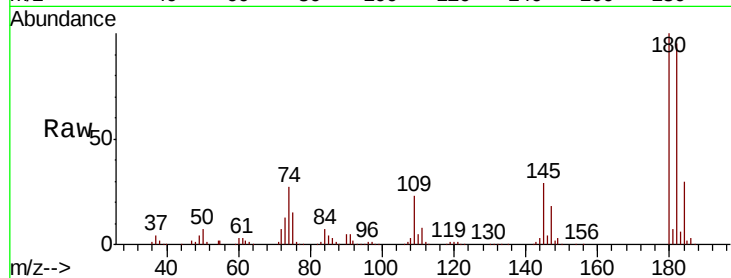




#67
 1,3,5-Trichlorobenzene
 Concen: 124.653 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036579.D
 Acq: 28 Jan 2020 17:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	180	Resp	326463
Ion Ratio	Lower	Upper	
180	100		
182	94.7	76.6	115.0
184	30.0	24.2	36.4
145	28.7	23.3	34.9



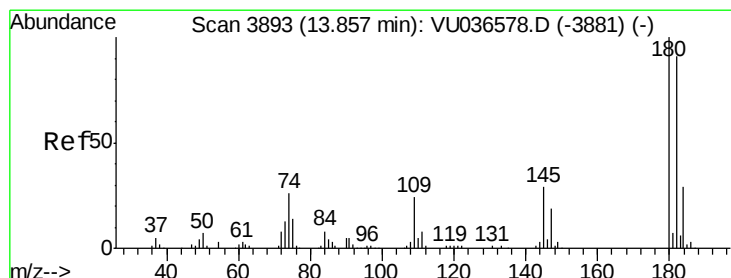
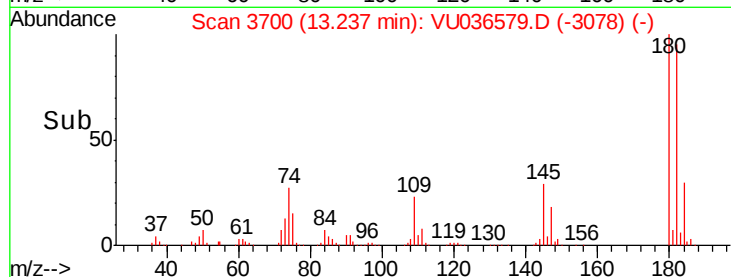
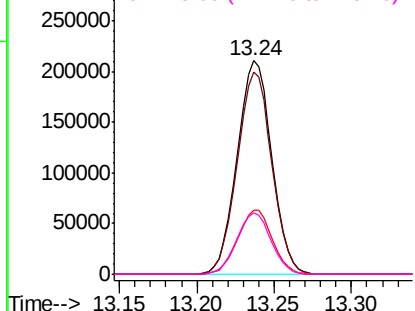
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

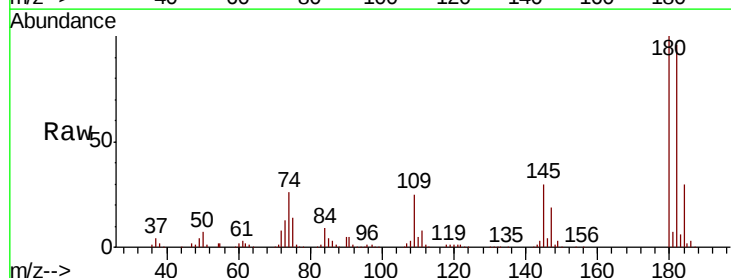
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 135.673 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036579.D
 Acq: 28 Jan 2020 17:59

Tgt Ion	180	Resp	262635
Ion Ratio	Lower	Upper	
180	100		
182	95.2	74.9	112.3
145	29.8	23.8	35.8

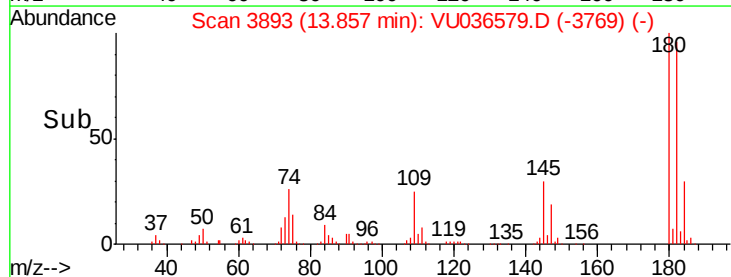
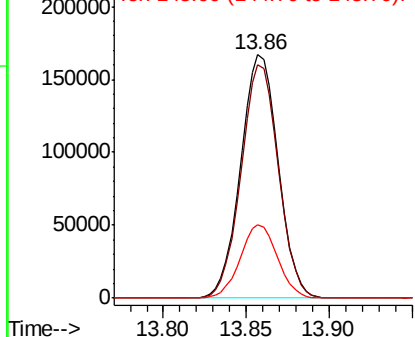


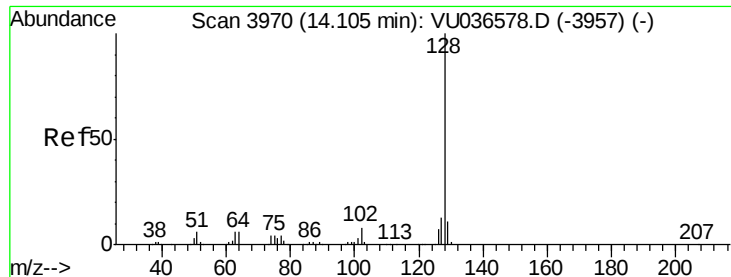
Abundance

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





#69

Naphthalene

Concen: 128.983 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

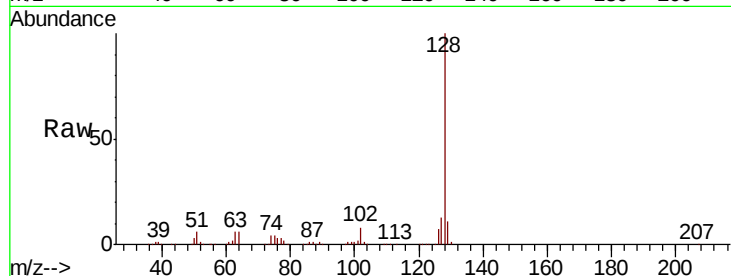
Tot Ion:128 Resp: 821166

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

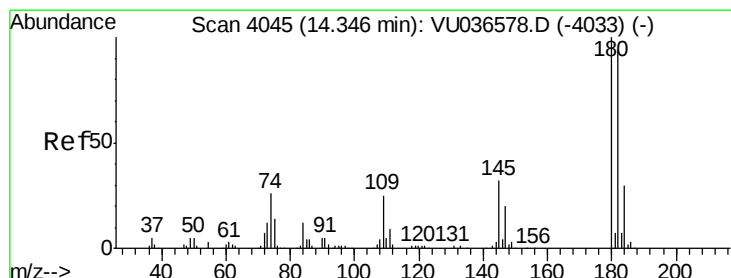
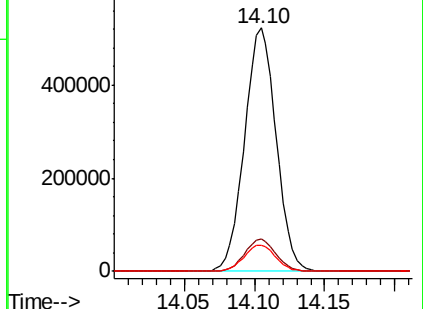
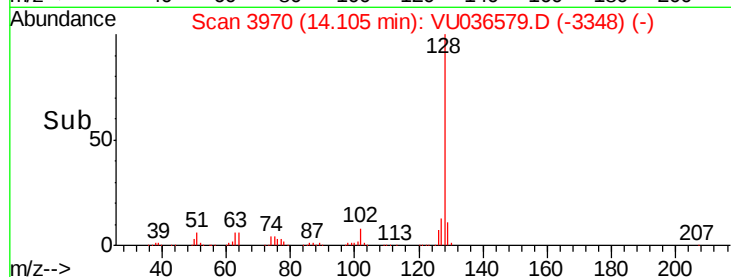
129 10.9 8.6 12.8



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: 131.621 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. -0.00 min

Lab File: VU036579.D

Acq: 28 Jan 2020 17:59

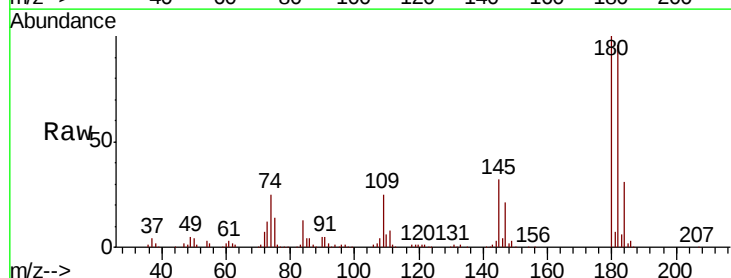
Tgt Ion:180 Resp: 265093

Ion Ratio Lower Upper

180 100

182 95.5 76.1 114.1

145 31.5 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

