

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121620\
 Data File : VU041659.D
 Acq On : 16 Dec 2020 10:20
 Operator : SY/MD
 Sample : VSTD10034
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 02:46:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 17 02:44:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	264529	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	249842	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	136037	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	217028	100.88	ug/L	0.00
7) Chloroethane-d5	1.92	69	181055	109.54	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	370733	90.02	ug/L	0.00
21) 2-Butanone-d5	4.64	46	327197	184.03	ug/L	0.00
24) Chloroform-d	5.08	84	368627	96.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	243055	91.32	ug/L	0.00
32) Benzene-d6	5.74	84	777729	109.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	225185	94.87	ug/L	0.00
41) Toluene-d8	7.91	98	704382	108.56	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	122472	101.12	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	274895	252.58	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	356477	105.46	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	294551	111.00	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	224288	116.606	ug/L	100
3) Chloromethane	1.53	50	206637	93.759	ug/L	99
5) Vinyl chloride	1.61	62	231442	103.612	ug/L	99
6) Bromomethane	1.86	94	174894	136.431	ug/L	99
8) Chloroethane	1.94	64	152449	104.454	ug/L	97
9) Trichlorofluoromethane	2.15	101	335330	106.114	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	181287	92.595	ug/L	99
12) 1,1-Dichloroethene	2.59	96	174537	95.247	ug/L	93
13) Acetone	2.65	43	223140	125.210	ug/L	100
14) Carbon disulfide	2.81	76	553440	95.070	ug/L	99
15) Methyl Acetate	2.96	43	222098	80.265	ug/L	100
16) Methylene chloride	3.06	84	199308	92.645	ug/L	98
17) trans-1,2-Dichloroethene	3.37	96	184834	97.746	ug/L	98
18) Methyl tert-butyl Ether	3.38	73	580645	94.701	ug/L	100
19) 1,1-Dichloroethane	3.89	63	332442	85.861	ug/L	99
20) cis-1,2-Dichloroethene	4.68	96	203381	98.197	ug/L	97
22) 2-Butanone	4.72	43	345324	160.317	ug/L	100
23) Bromochloromethane	4.99	128	106670	97.490	ug/L	99
25) Chloroform	5.11	83	345313	87.799	ug/L	100
27) 1,2-Dichloroethane	5.81	62	277604	83.933	ug/L	99
29) Cyclohexane	5.40	56	312277	94.239	ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	311984	97.128	ug/L	100
31) Carbon tetrachloride	5.54	117	280313	100.529	ug/L	99
33) Benzene	5.79	78	822087	101.208	ug/L	100
34) Trichloroethene	6.55	95	199578	94.910	ug/L	98
35) Methylcyclohexane	6.77	83	329351	101.775	ug/L	98
37) 1,2-Dichloropropane	6.80	63	198420	87.995	ug/L	100
38) Bromodichloromethane	7.11	83	262733	91.259	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	322666	98.141	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	613471	173.132	ug/L	99

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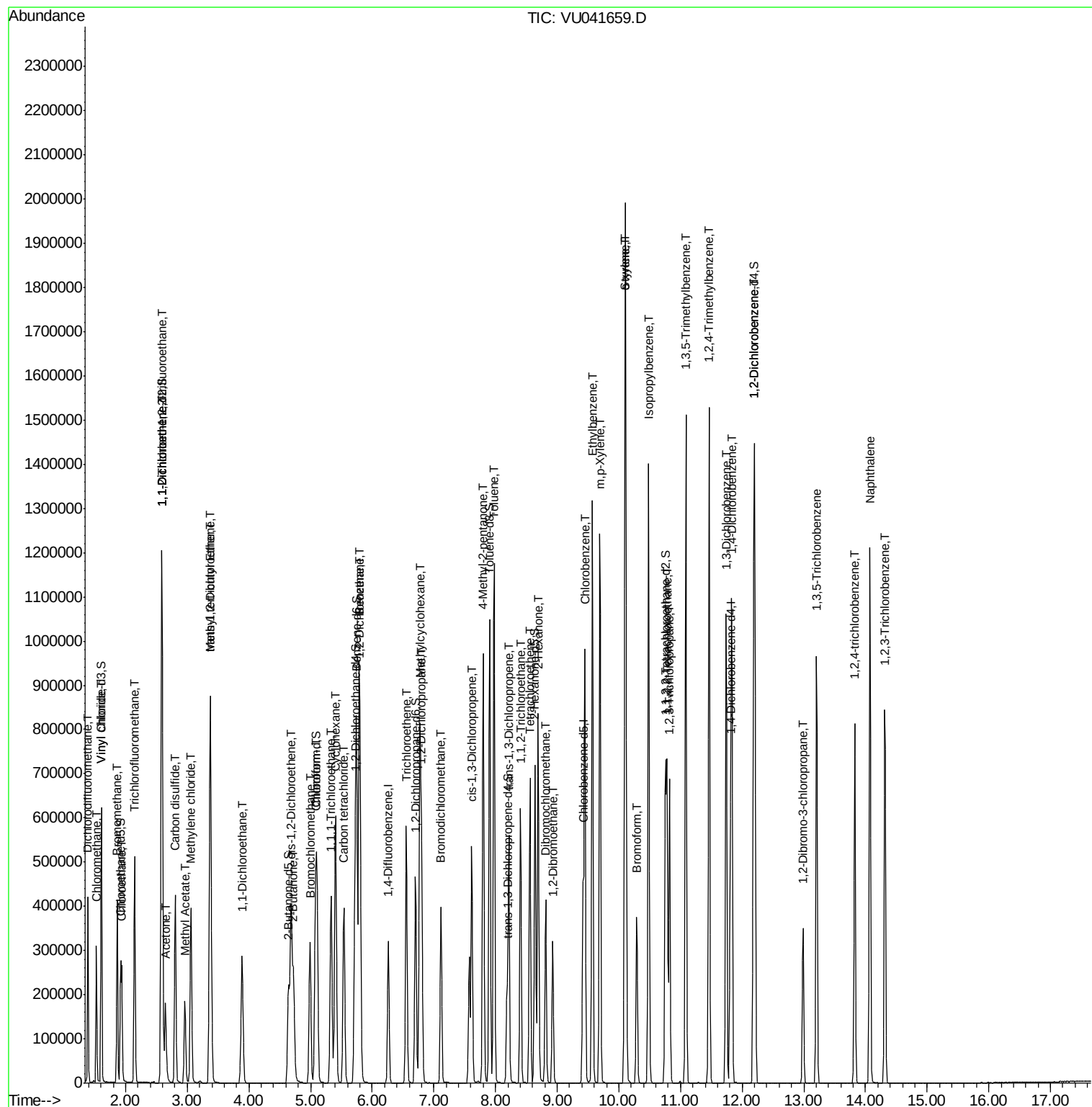
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	844820	101.597	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	318800	96.174	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	193726	96.378	ug/L	99
46) Tetrachloroethene	8.56	164	155948	102.760	ug/L	97
48) 2-Hexanone	8.69	43	513767	181.162	ug/L	98
49) Dibromochloromethane	8.82	129	218327	99.268	ug/L	97
50) 1,2-Dibromoethane	8.93	107	210979	98.371	ug/L	99
51) Chlorobenzene	9.45	112	532141	97.524	ug/L	99
52) Ethylbenzene	9.57	91	910872	99.714	ug/L	99
53) m,p-Xylene	9.69	106	352958	105.200	ug/L	98
54) o-xylene	10.10	106	350475	106.827	ug/L	97
55) Styrene	10.11	104	606054	108.529	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.78	83	350538	100.158	ug/L	100
59) Bromoform	10.29	173	173731	103.411	ug/L	100
60) 1,2,3-Trichloropropane	10.82	75	290424	91.002	ug/L	99
61) Isopropylbenzene	10.48	105	916952	97.794	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	814800	106.153	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	845495	109.045	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	446554	100.184	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	442825	96.533	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	459612	103.072	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	93152	101.590	ug/L	99
69) 1,3,5-Trichlorobenzene	13.21	180	300901	102.237	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	255437	101.398	ug/L	100
71) Naphthalene	14.07	128	949103	120.843	ug/L	100
72) 1,2,3-Trichlorobenzene	14.31	180	261543	105.382	ug/L	100

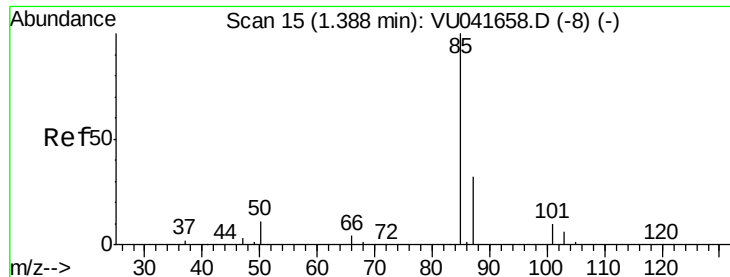
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 116.606 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041659.D

Acq: 16 Dec 2020 10:20

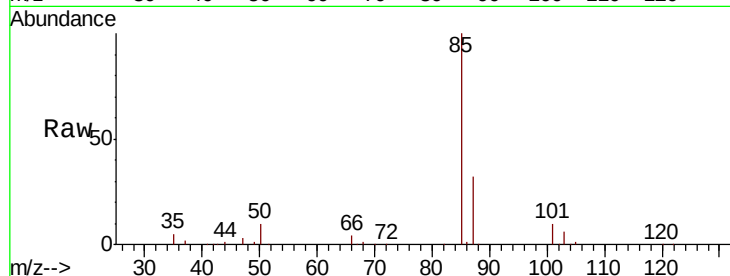
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 224288

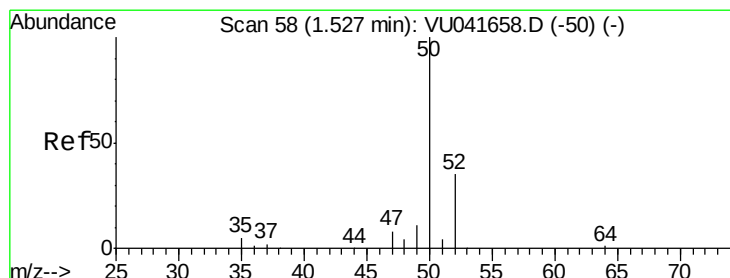
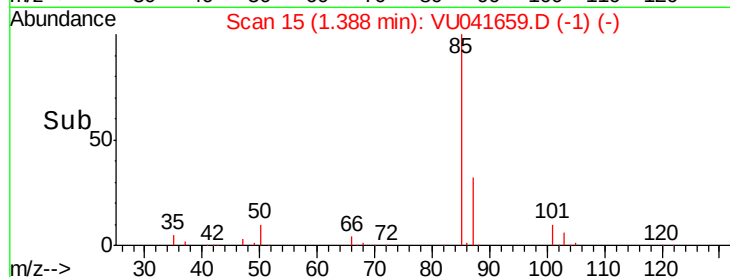
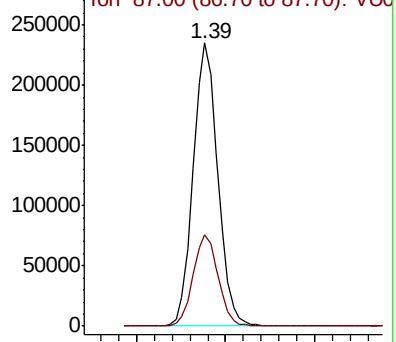
Ion Ratio Lower Upper

85 100

87 32.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU041659.D (-1) (-)



#3

Chloromethane

Concen: 93.759 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041659.D

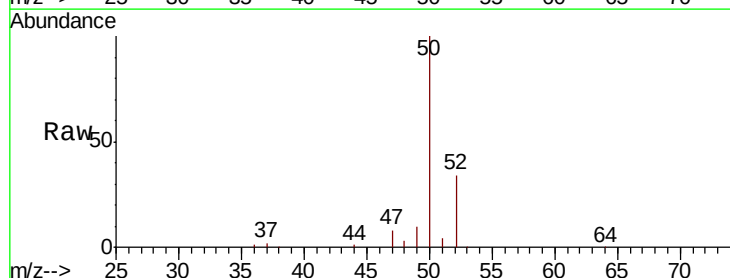
Acq: 16 Dec 2020 10:20

Tgt Ion: 50 Resp: 206637

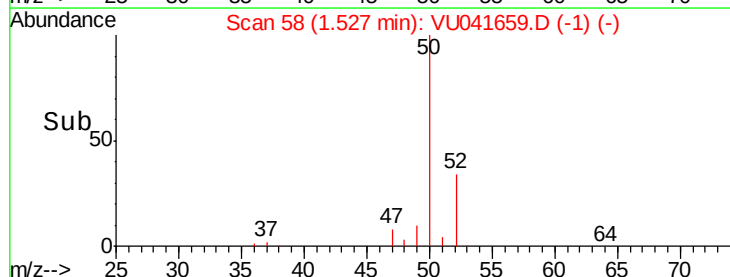
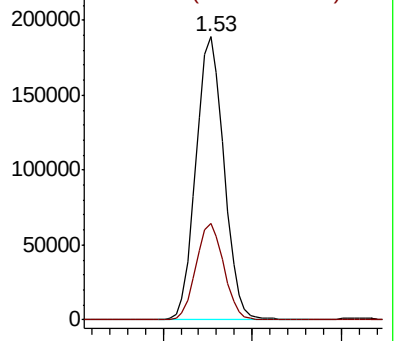
Ion Ratio Lower Upper

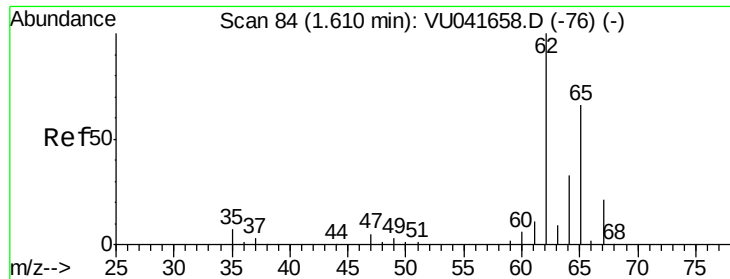
50 100

52 33.9 24.1 44.8



Abundance Ion 50.00 (49.70 to 50.70): VU041659.D (-1) (-)





#5

Vinyl chloride

Concen: 103.612 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041659.D

Acq: 16 Dec 2020 10:20

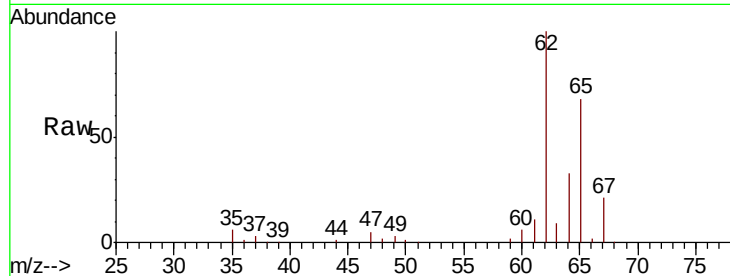
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 231442

Ion Ratio Lower Upper

62 100

64 33.3 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU041659.D (-76) (-)

Ion 64.00 (63.70 to 64.70): VU041659.D (-76) (-)

1.61

250000

200000

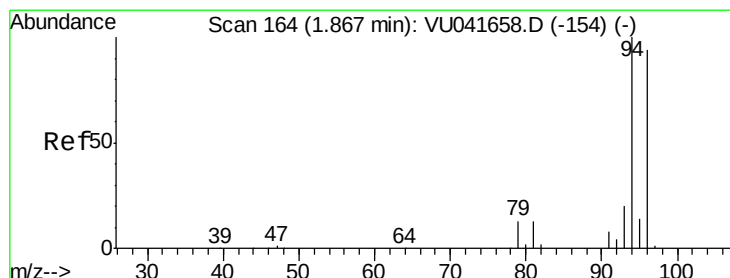
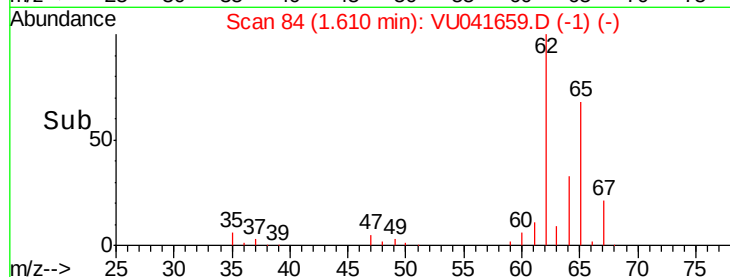
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 136.431 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041659.D

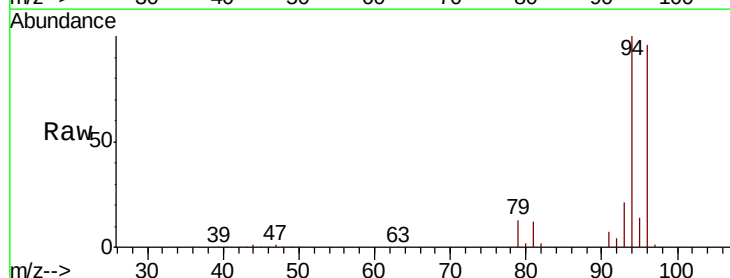
Acq: 16 Dec 2020 10:20

Tgt Ion: 94 Resp: 174894

Ion Ratio Lower Upper

94 100

96 95.8 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU041659.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU041659.D (-154) (-)

1.86

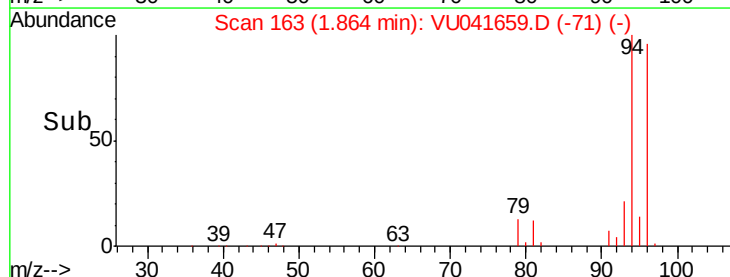
150000

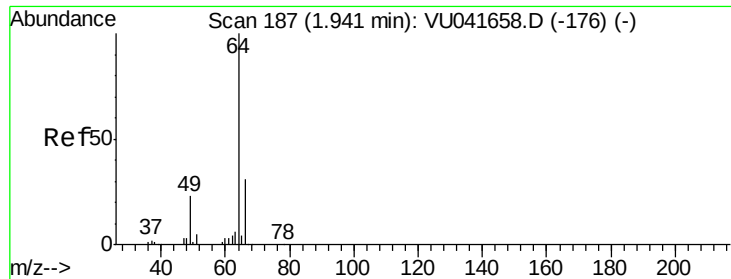
100000

50000

0

Time-->





#8

Chloroethane

Concen: 104.454 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU041659.D

Acq: 16 Dec 2020 10:20

Instrument :

MSVOA_U

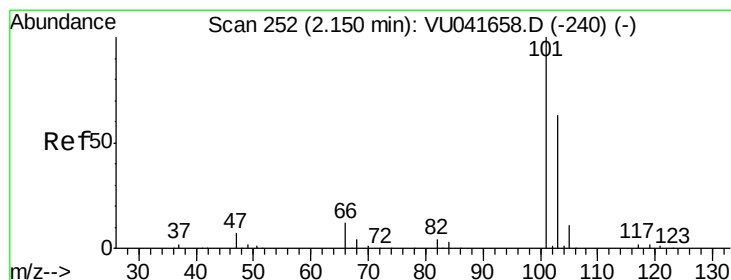
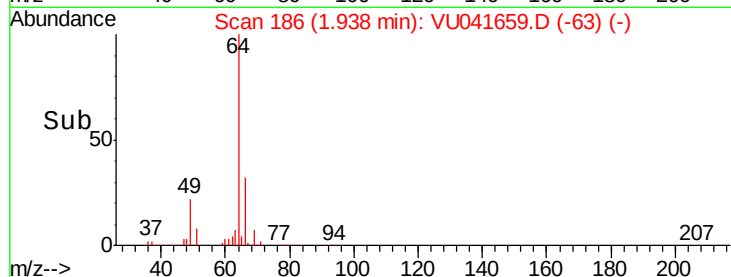
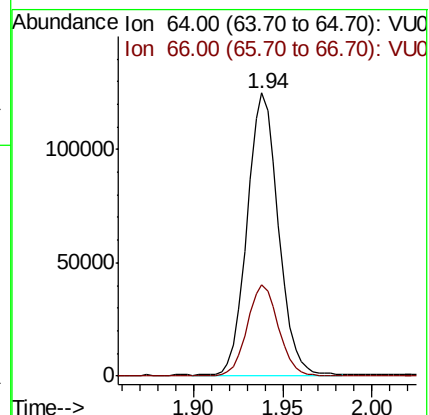
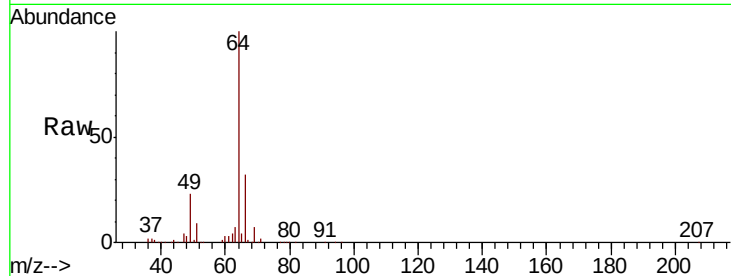
ClientSampled :

Tot Ion: 64 Resp: 152449

Ion Ratio Lower Upper

64 100

66 32.3 21.6 40.0



#9

Trichlorofluoromethane

Concen: 106.114 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU041659.D

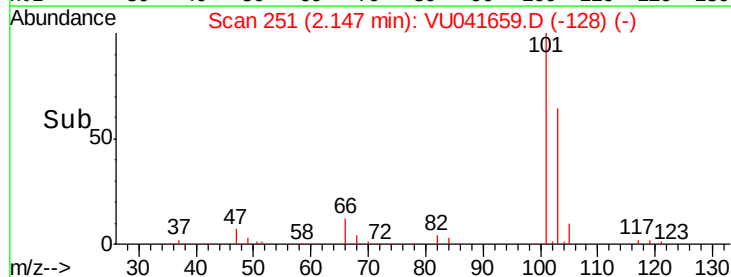
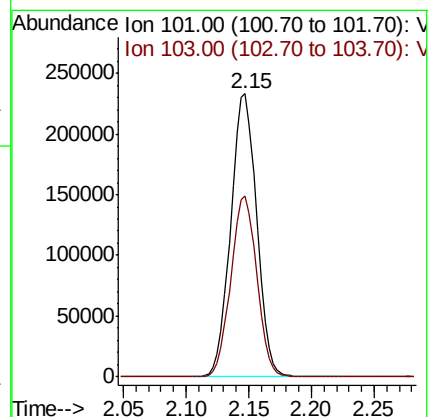
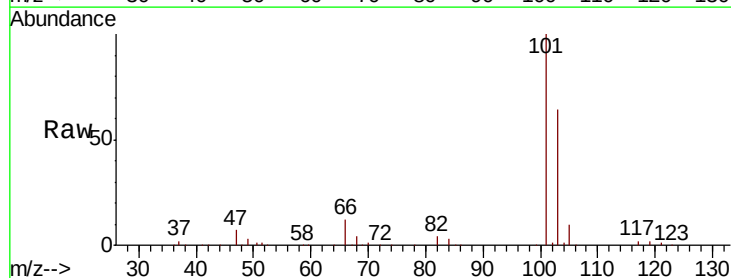
Acq: 16 Dec 2020 10:20

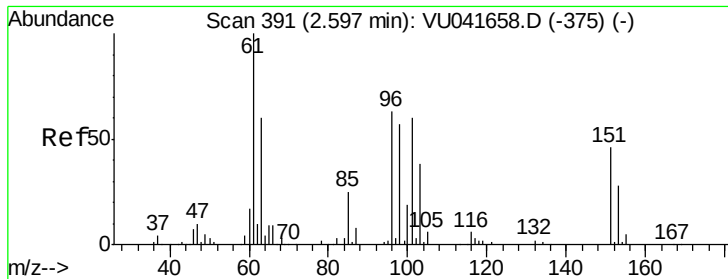
Tgt Ion: 101 Resp: 335330

Ion Ratio Lower Upper

101 100

103 64.0 51.4 77.0





#10

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

Concen: 92.595 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041659.D

Acq: 16 Dec 2020 10:20

Instrument :

MSVOA_U

ClientSampleId :

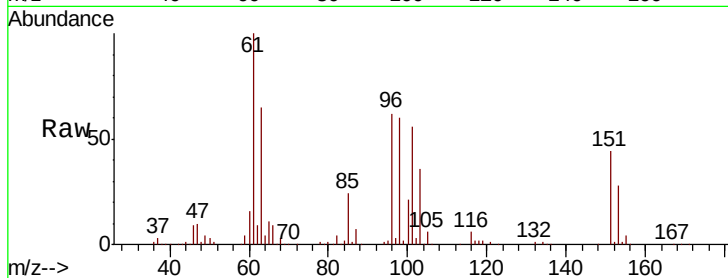
Tot Ion:101 Resp: 181287

Ion Ratio Lower Upper

101 100

85 41.5 32.7 49.1

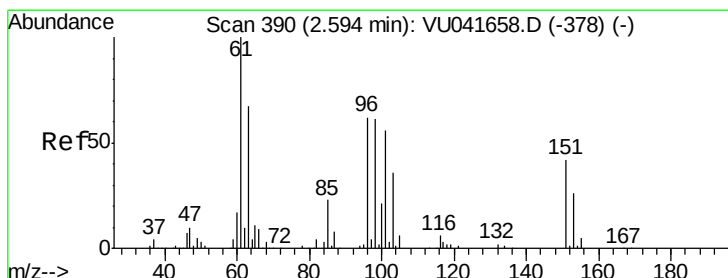
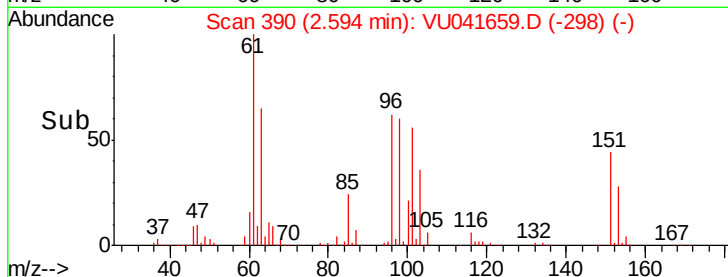
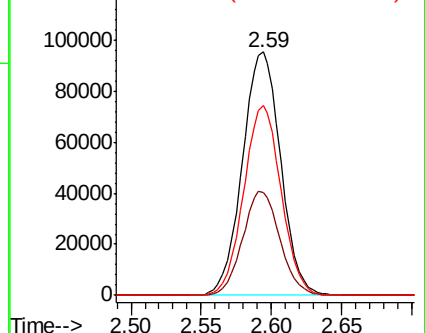
151 76.1 60.4 90.6



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: 95.247 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041659.D

Acq: 16 Dec 2020 10:20

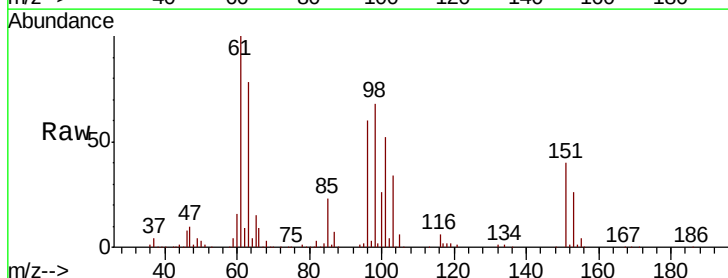
Tgt Ion: 96 Resp: 174537

Ion Ratio Lower Upper

96 100

61 167.9 114.3 212.3

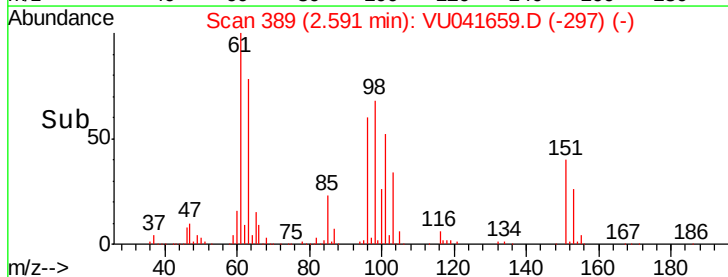
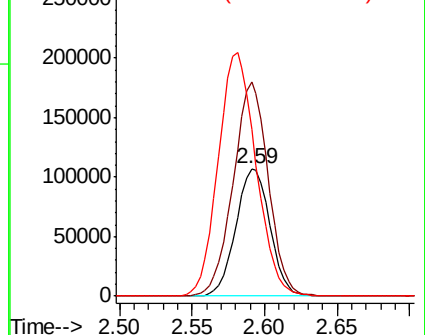
63 131.1 83.0 154.2

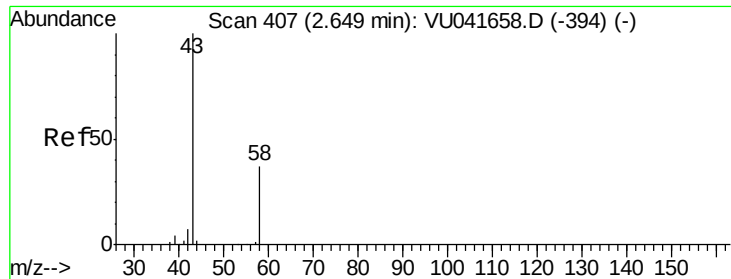


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

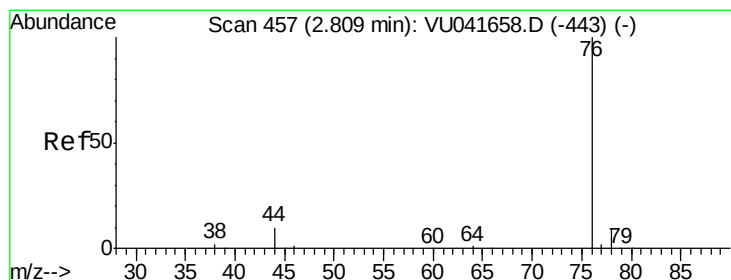
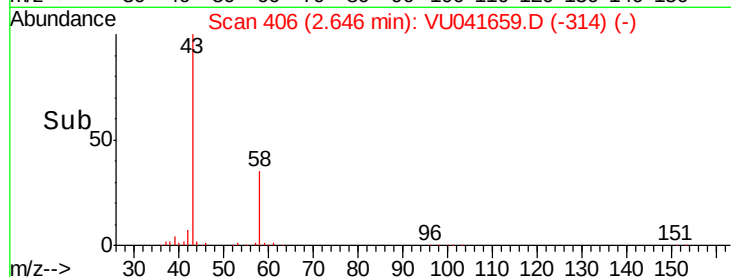
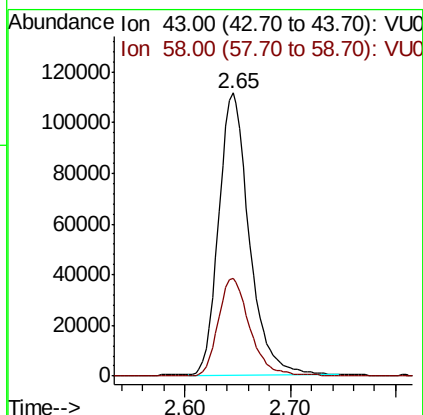
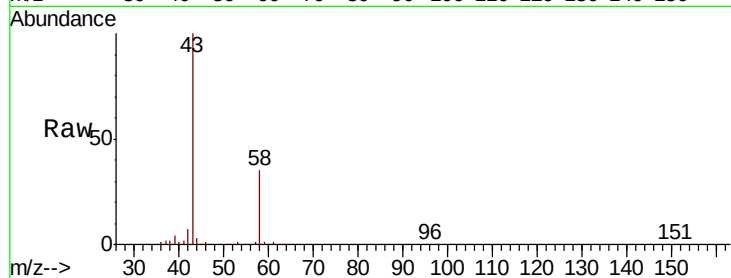




#13
Acetone
Concen: 125.210 ug/L
RT: 2.65 min Scan# 406
Delta R.T. -0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

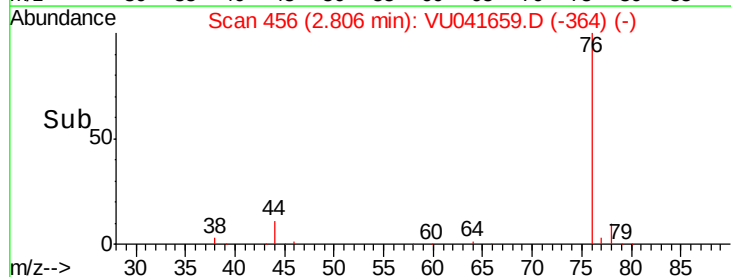
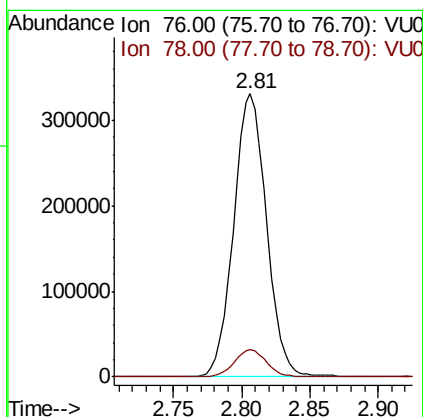
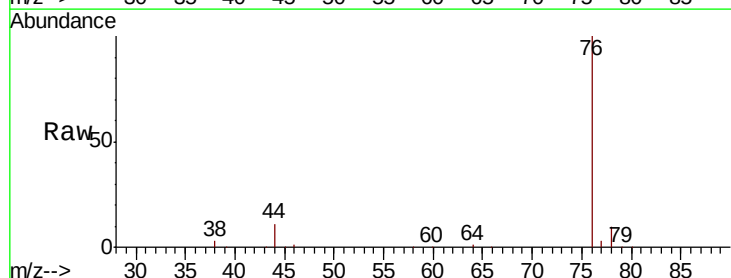
Instrument :
MSVOA_U
ClientSampleId :

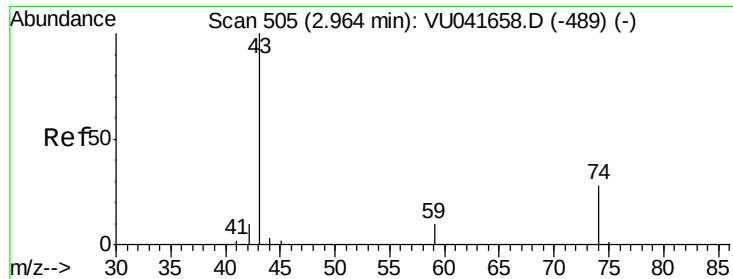
Tot Ion: 43 Resp: 223140
Ion Ratio Lower Upper
43 100
58 35.6 0.0 70.8



#14
Carbon disulfide
Concen: 95.070 ug/L
RT: 2.81 min Scan# 456
Delta R.T. -0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

Tgt Ion: 76 Resp: 553440
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.2

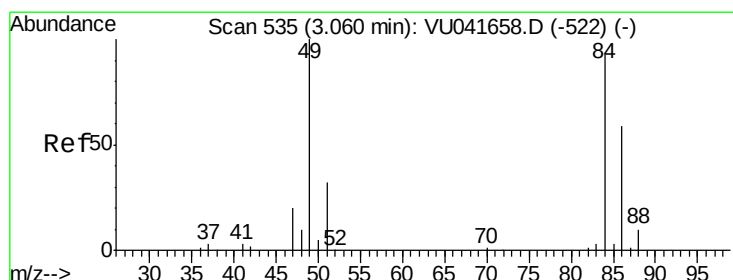
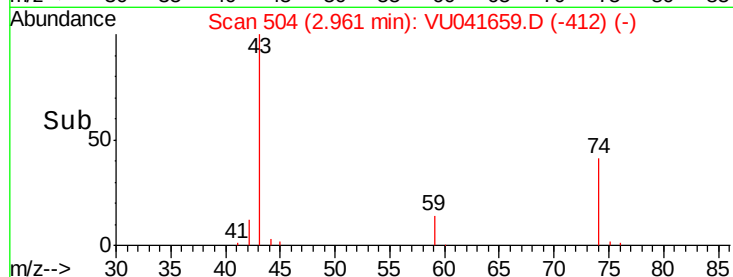
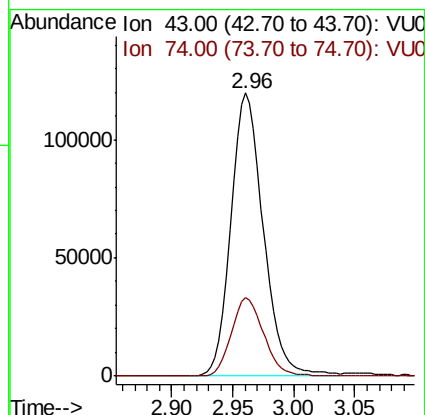
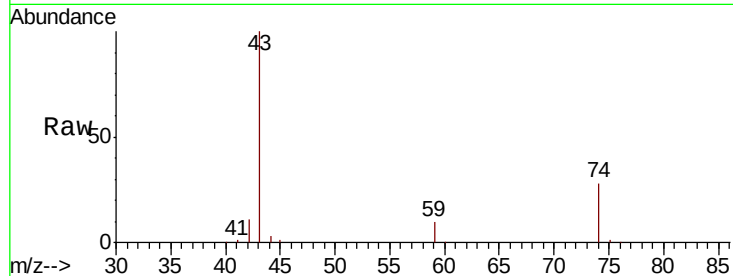




#15
Methvl Acetate
Concen: 80.265 ug/L
RT: 2.96 min Scan# 504
Delta R.T. -0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

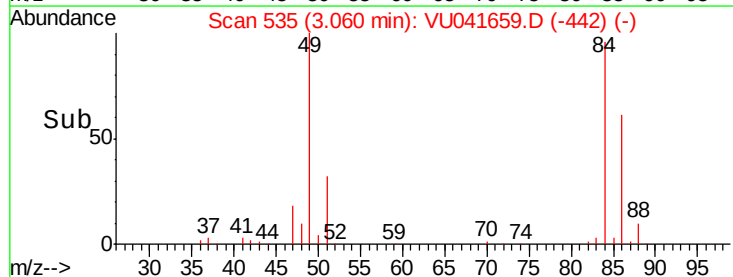
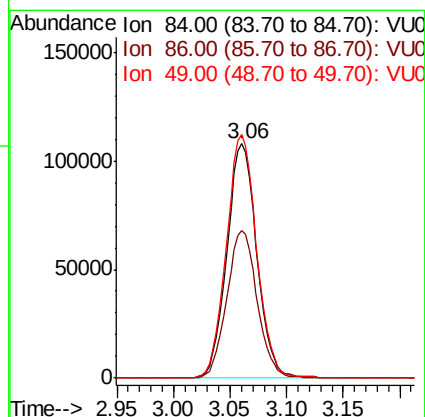
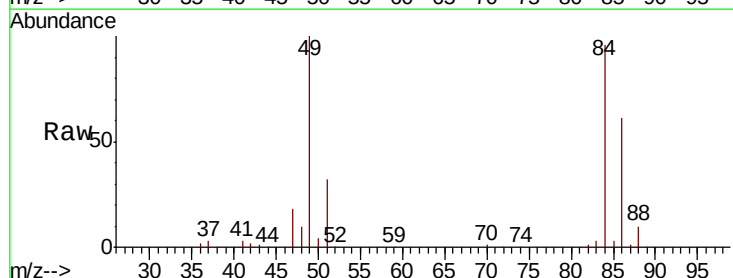
Instrument :
MSVOA_U
ClientSampleId :

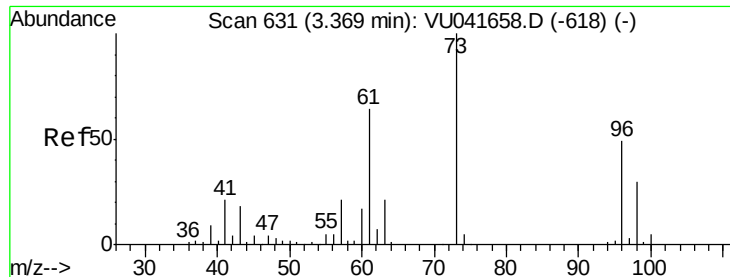
Tot Ion: 43 Resp: 222098
Ion Ratio Lower Upper
43 100
74 27.8 22.1 33.1



#16
Methylene chloride
Concen: 92.645 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

Tgt Ion: 84 Resp: 199308
Ion Ratio Lower Upper
84 100
86 63.0 44.0 81.6
49 103.8 75.0 139.4

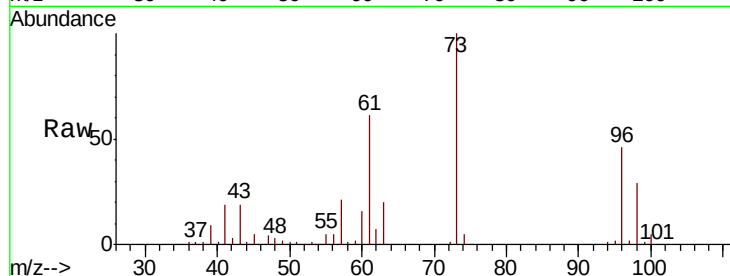




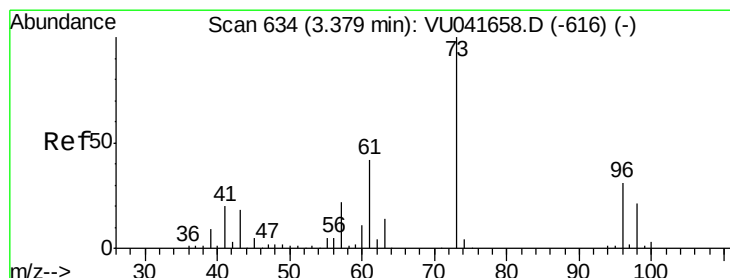
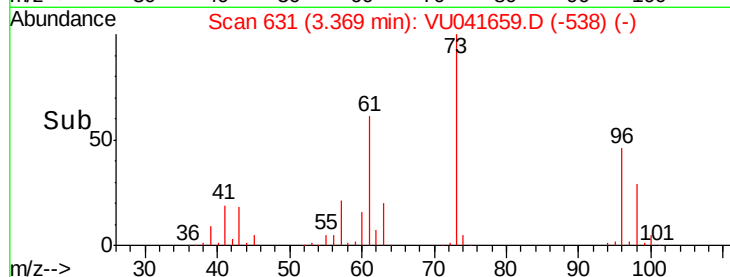
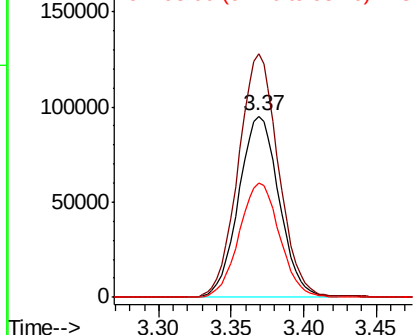
#17
trans-1,2-Dichloroethene
Concen: 97.746 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 184834
Ion Ratio Lower Upper
96 100
61 134.6 92.6 172.0
98 62.9 43.5 80.9

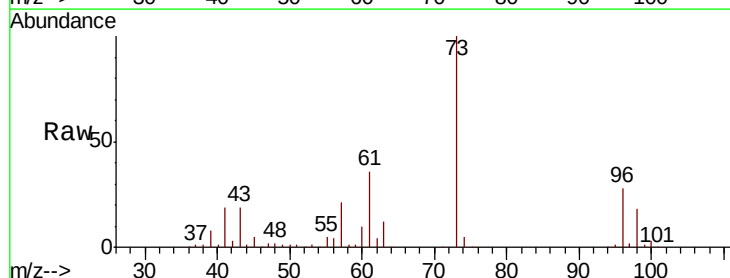


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

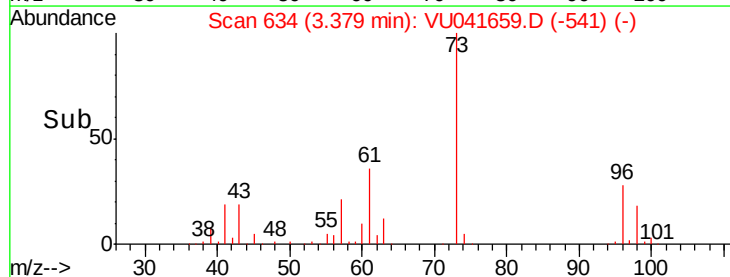
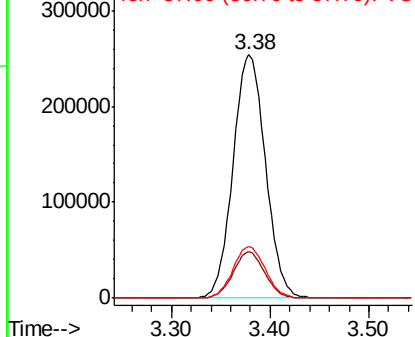


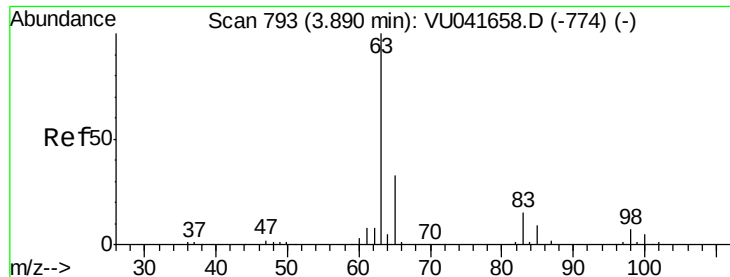
#18
Methyl tert-butyl Ether
Concen: 94.701 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

Tgt Ion: 73 Resp: 580645
Ion Ratio Lower Upper
73 100
43 18.6 14.8 22.2
57 21.2 17.0 25.6



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: 85.861 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041659.D

Acq: 16 Dec 2020 10:20

Instrument :

MSVOA_U

ClientSampleId :

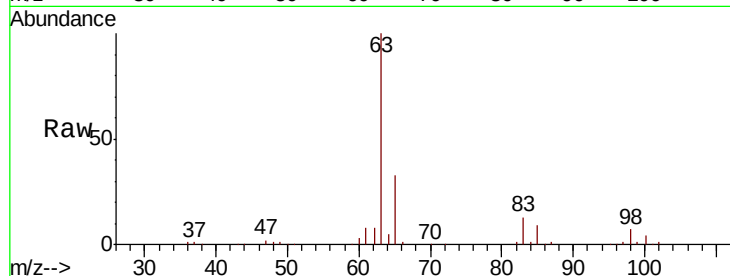
Tot Ion: 63 Resp: 332442

Ion Ratio Lower Upper

63 100

65 32.6 22.9 42.5

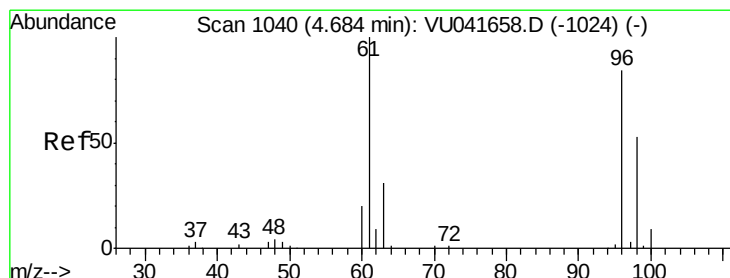
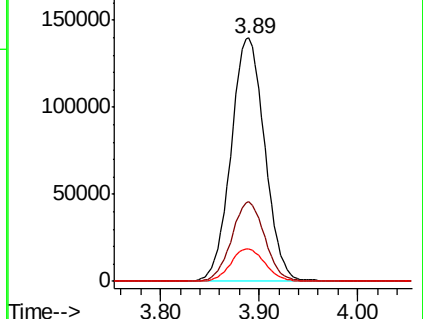
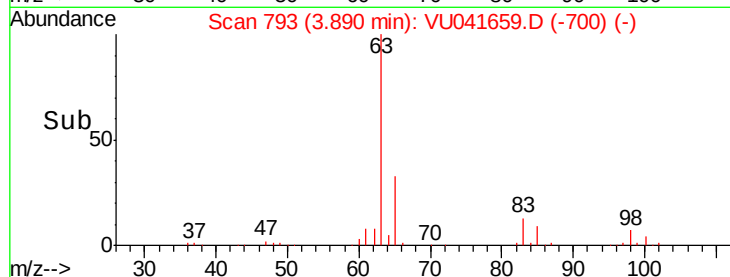
83 13.4 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VU041659.D (-700) (-)

Ion 65.00 (64.70 to 65.70): VU041659.D (-700) (-)

Ion 83.00 (82.70 to 83.70): VU041659.D (-700) (-)



#20

cis-1,2-Dichloroethene

Concen: 98.197 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041659.D

Acq: 16 Dec 2020 10:20

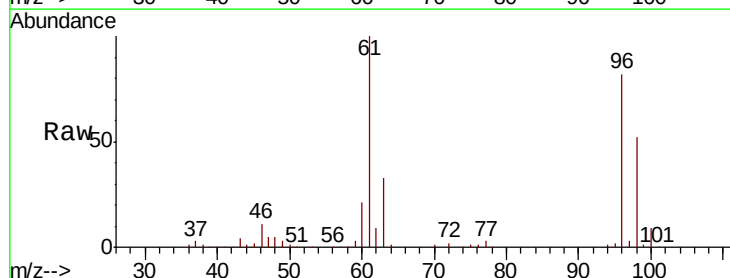
Tgt Ion: 96 Resp: 203381

Ion Ratio Lower Upper

96 100

61 122.5 83.7 155.5

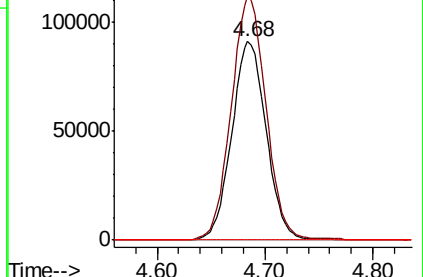
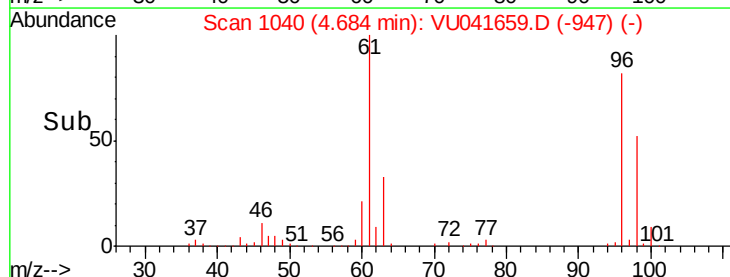
68 0.0 0.0 0.0

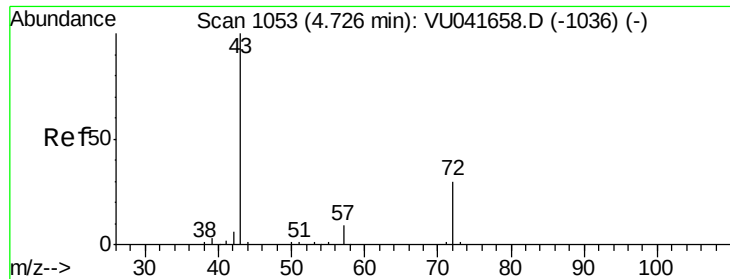


Abundance Ion 96.00 (95.70 to 96.70): VU041659.D (-947) (-)

Ion 61.00 (60.70 to 61.70): VU041659.D (-947) (-)

Ion 68.00 (67.70 to 68.70): VU041659.D (-947) (-)





#22

2-Butanone

Concen: 160.317 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VU041659.D

Acq: 16 Dec 2020 10:20

Instrument :

MSVOA_U

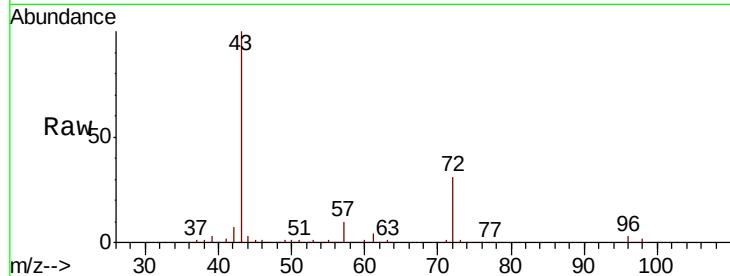
ClientSampleId :

Tot Ion: 43 Resp: 345324

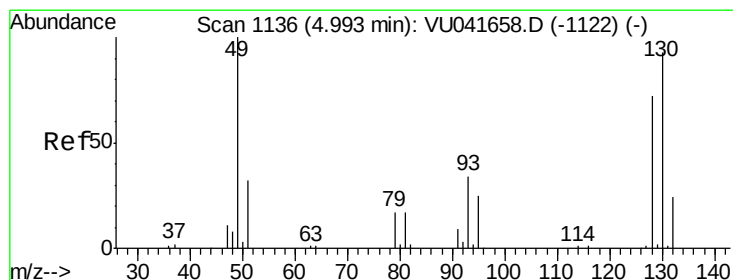
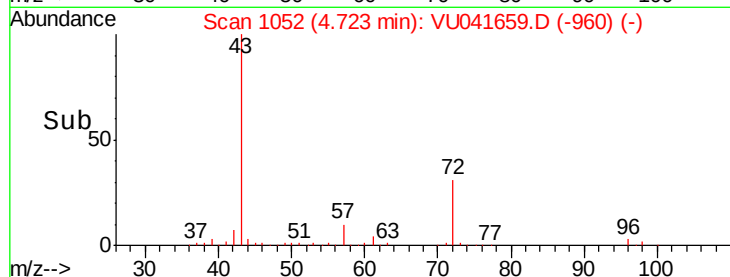
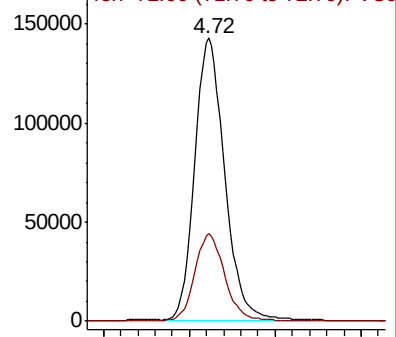
Ion Ratio Lower Upper

43 100

72 31.4 15.6 46.8



Abundance Ion 43.00 (42.70 to 43.70): VU041659.D (-960) (-)



#23

Bromochloromethane

Concen: 97.490 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041659.D

Acq: 16 Dec 2020 10:20

Tgt Ion:128 Resp: 106670

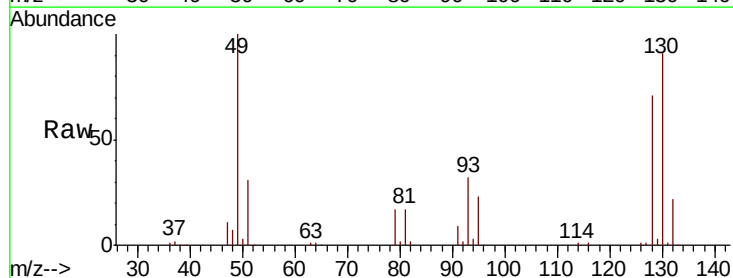
Ion Ratio Lower Upper

128 100

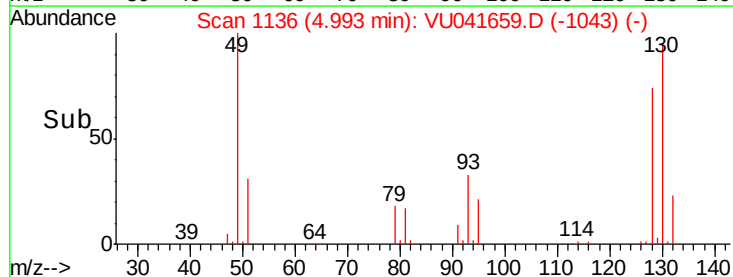
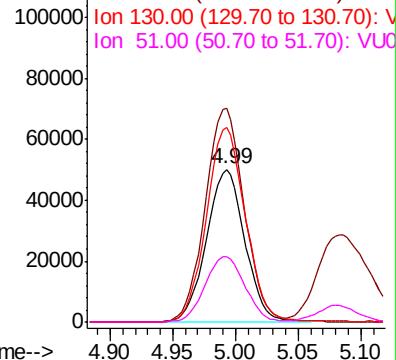
49 140.1 97.9 181.9

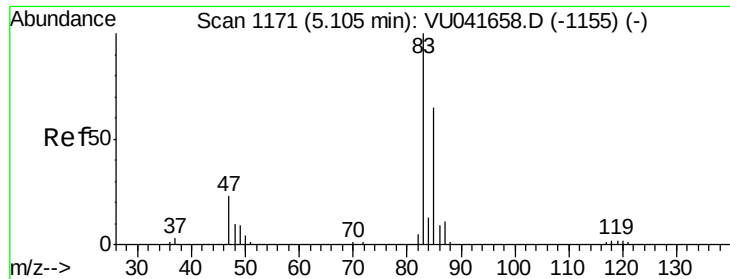
130 127.6 90.9 168.9

51 43.0 35.9 53.9



Abundance Ion 128.00 (127.70 to 128.70): VU041659.D (-1043) (-)

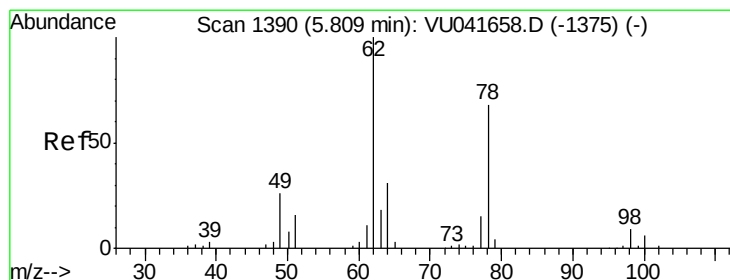
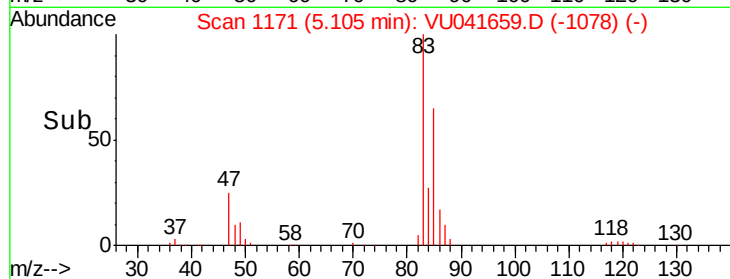
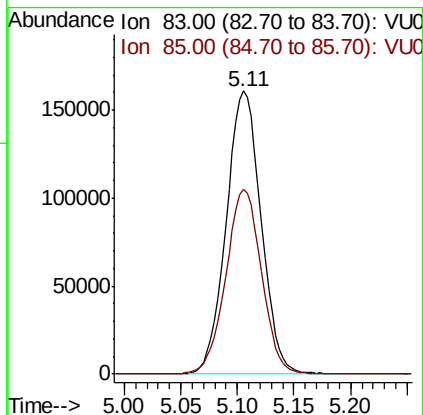
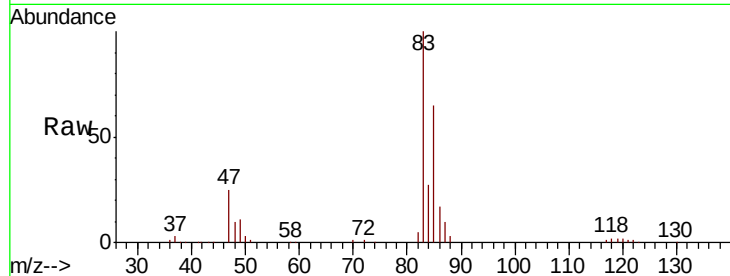




#25
Chloroform
Concen: 87.799 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

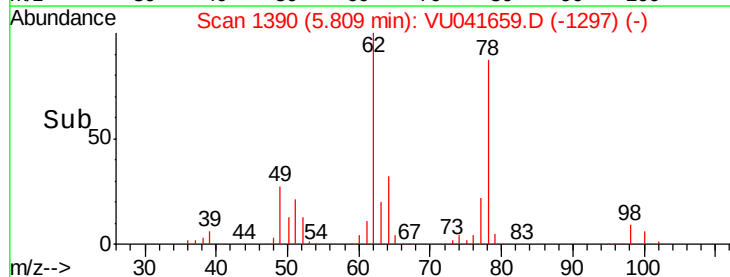
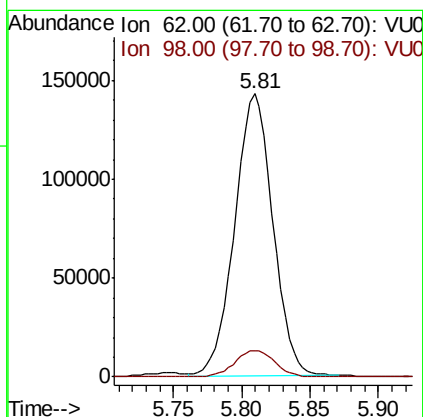
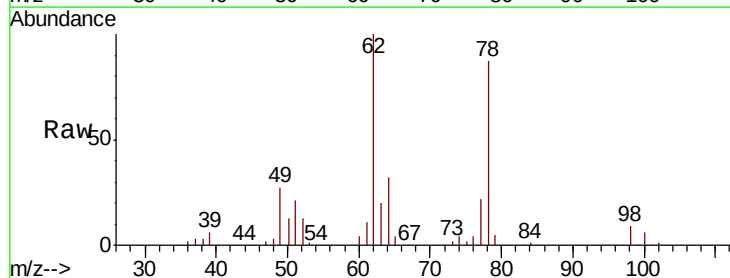
Instrument :
MSVOA_U
ClientSampleId :

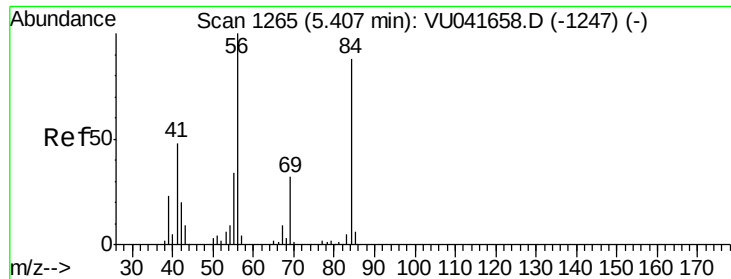
Tot Ion: 83 Resp: 345313
Ion Ratio Lower Upper
83 100
85 65.2 45.4 84.4



#27
1,2-Dichloroethane
Concen: 83.933 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

Tgt Ion: 62 Resp: 277604
Ion Ratio Lower Upper
62 100
98 9.4 7.1 10.7

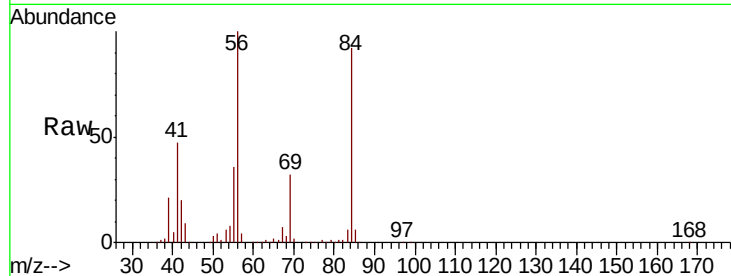




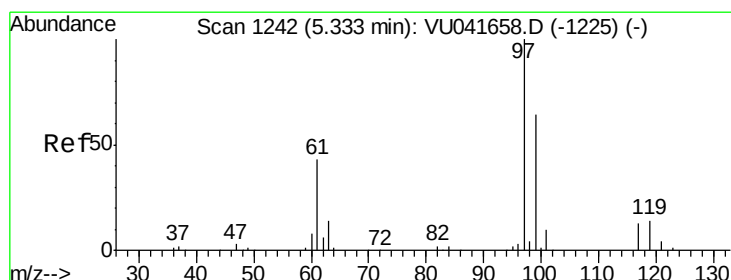
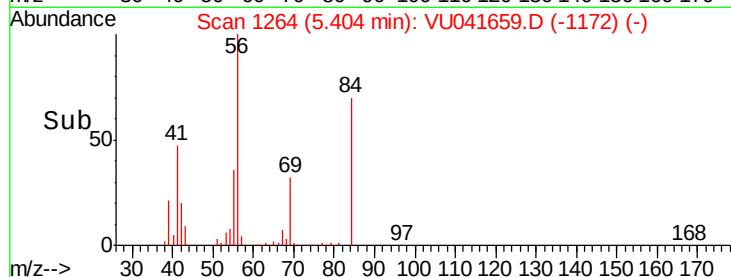
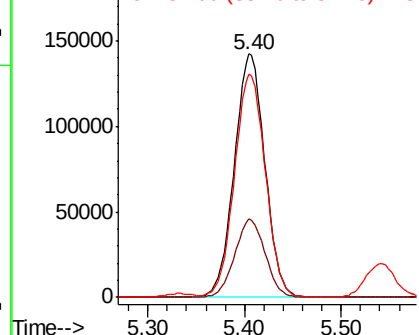
#29
Cyclohexane
Concen: 94.239 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 312277
Ion Ratio Lower Upper
56 100
69 32.1 25.0 37.6
84 92.3 72.6 109.0

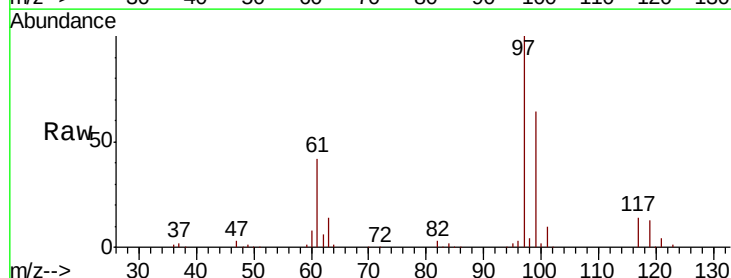


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

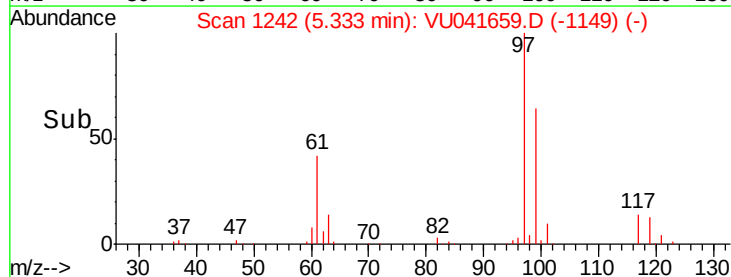
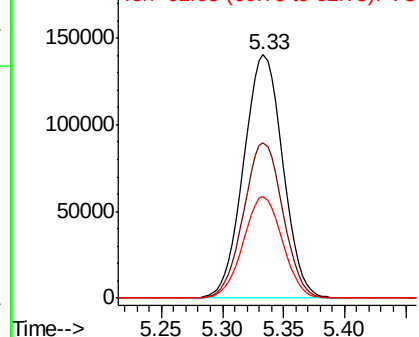


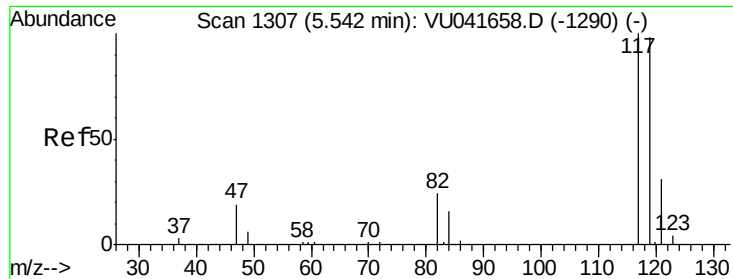
#30
1,1,1-Trichloroethane
Concen: 97.128 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

Tgt Ion: 97 Resp: 311984
Ion Ratio Lower Upper
97 100
99 64.1 50.9 76.3
61 41.7 33.4 50.0



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



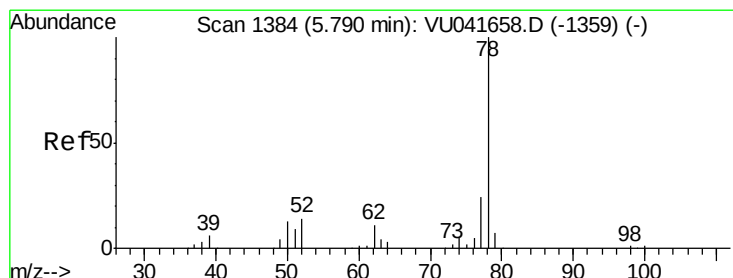
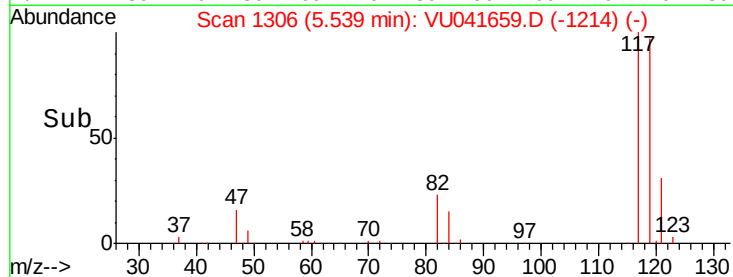
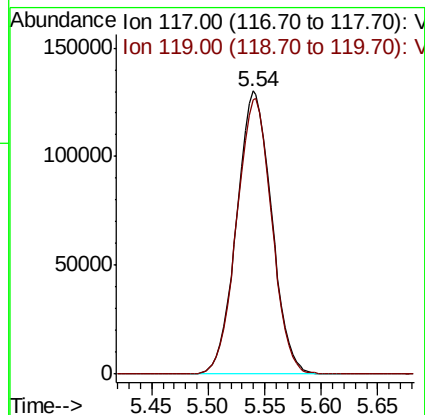
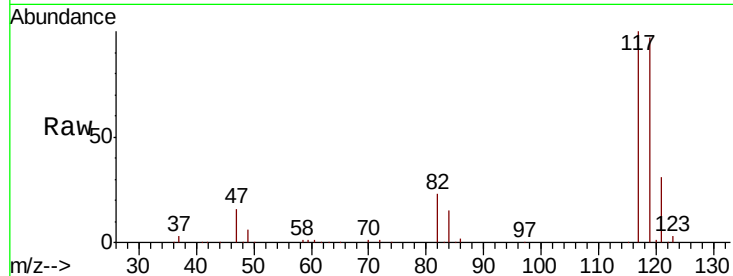


#31

Carbon tetrachloride
 Concen: 100.529 ug/L
 RT: 5.54 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: VU041659.D
 Acq: 16 Dec 2020 10:20

Instrument :
 MSVOA_U
 ClientSampled :

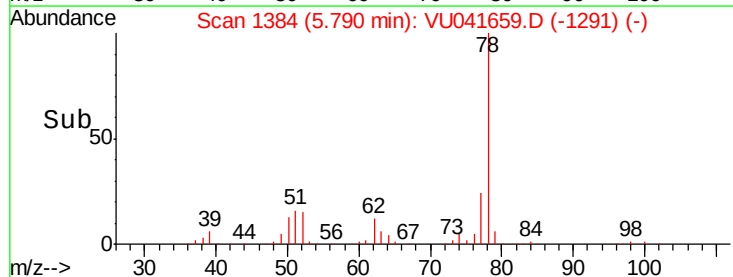
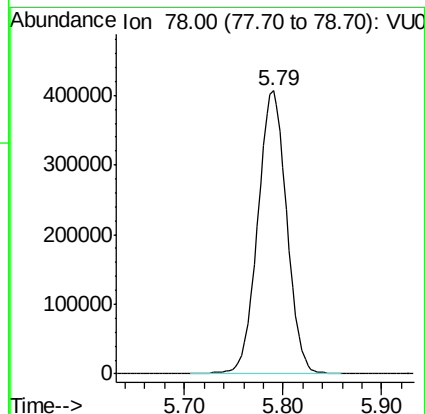
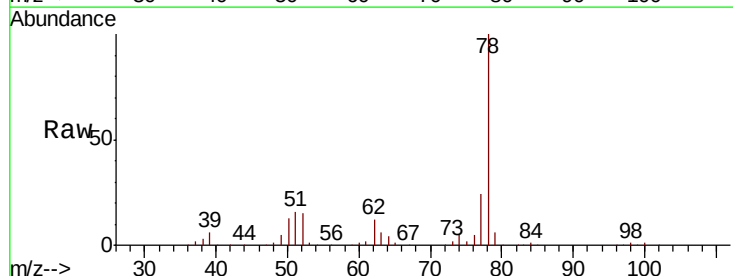
Tot Ion:117 Resp: 280313
 Ion Ratio Lower Upper
 117 100
 119 97.5 77.2 115.8

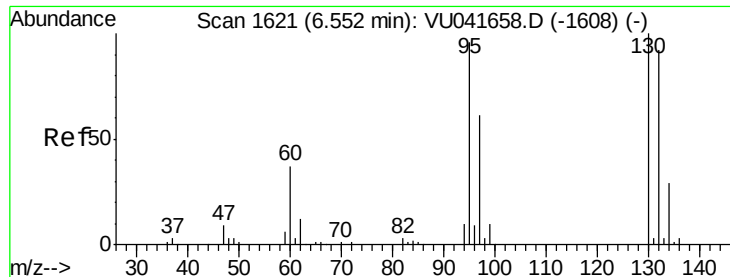


#33

Benzene
 Concen: 101.208 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VU041659.D
 Acq: 16 Dec 2020 10:20

Tgt Ion: 78 Resp: 822087





#34

Trichloroethene

Concen: 94.910 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041659.D

Acq: 16 Dec 2020 10:20

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 199578

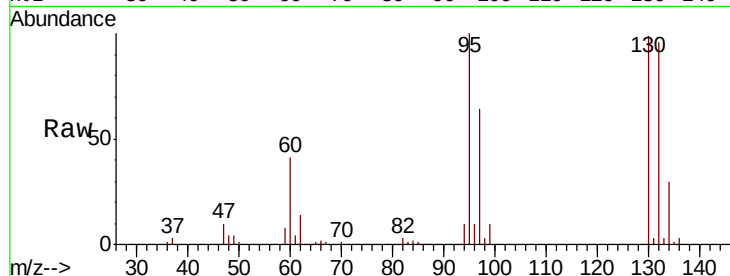
Ion Ratio Lower Upper

95 100

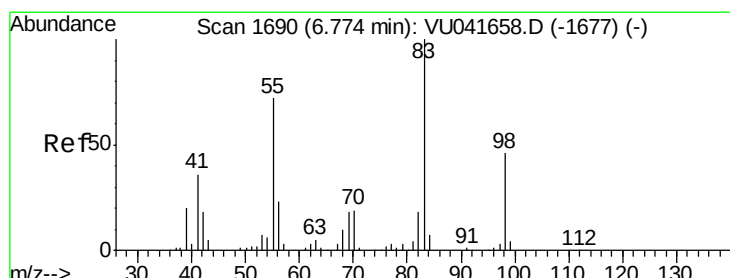
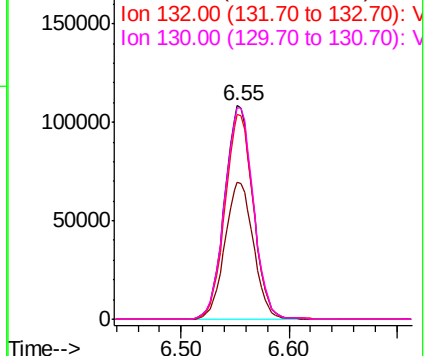
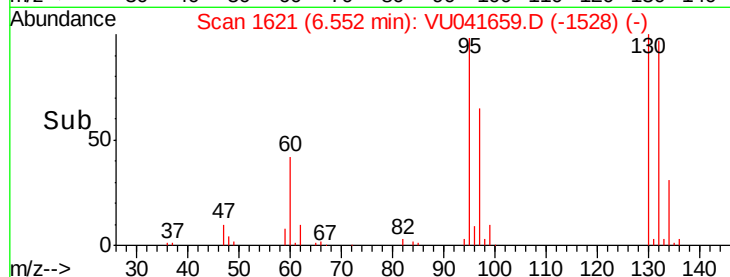
97 64.2 44.5 82.7

132 96.1 66.7 123.9

130 98.7 72.5 134.7



Abundance Ion 95.00 (94.70 to 95.70): VU041659.D (-1528) (-)



#35

Methylcyclohexane

Concen: 101.775 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041659.D

Acq: 16 Dec 2020 10:20

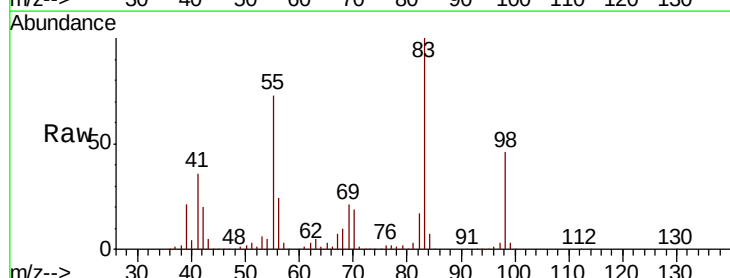
Tgt Ion: 83 Resp: 329351

Ion Ratio Lower Upper

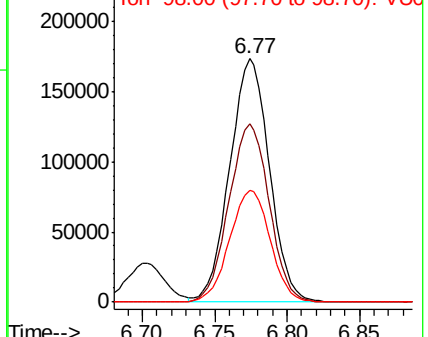
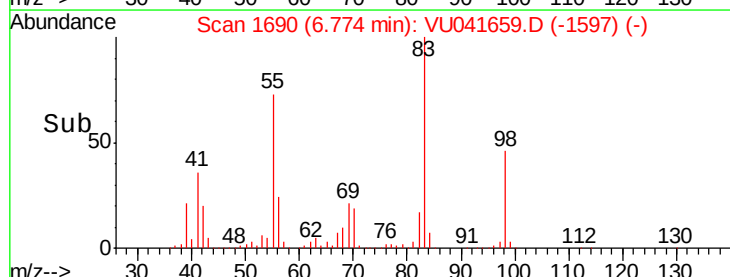
83 100

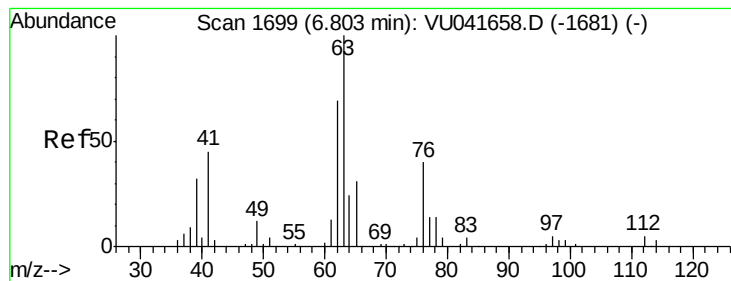
55 74.5 57.8 86.6

98 47.2 37.7 56.5



Abundance Ion 83.00 (82.70 to 83.70): VU041659.D (-1597) (-)





#37

1,2-Dichloropropane

Concen: 87.995 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU041659.D

Acq: 16 Dec 2020 10:20

Instrument :

MSVOA_U

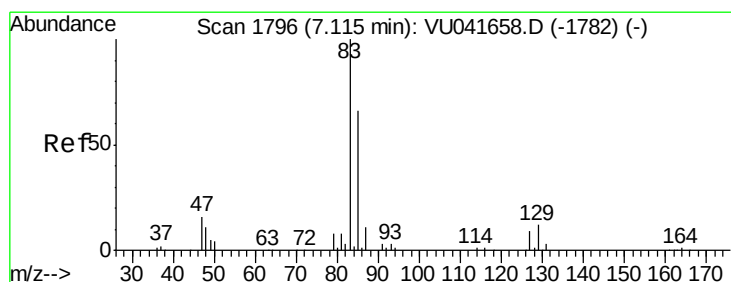
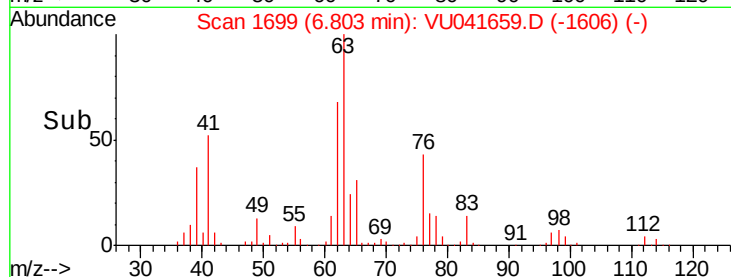
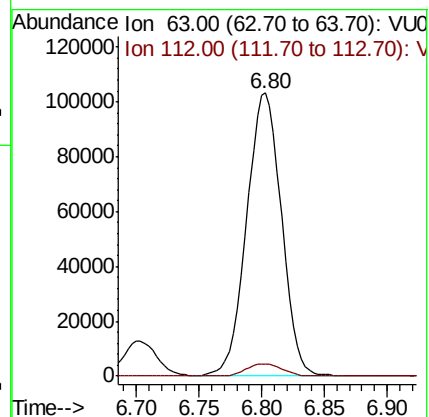
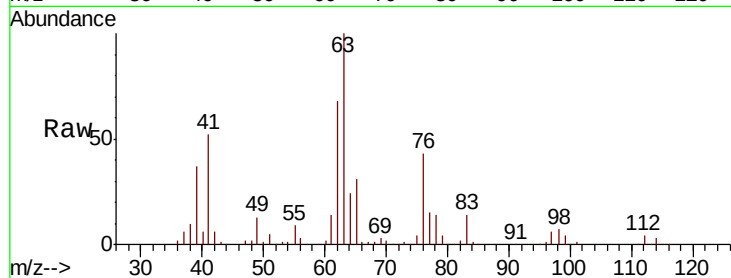
ClientSampled :

Tot Ion: 63 Resp: 198420

Ion Ratio Lower Upper

63 100

112 4.5 3.5 5.3



#38

Bromodichloromethane

Concen: 91.259 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041659.D

Acq: 16 Dec 2020 10:20

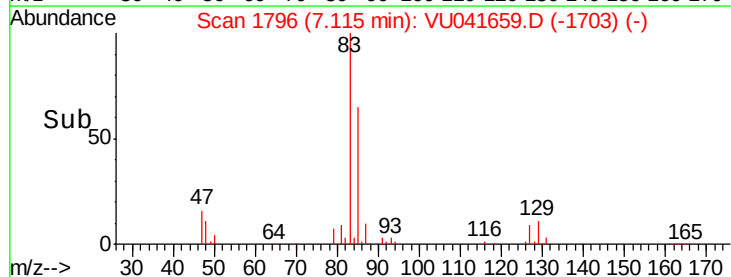
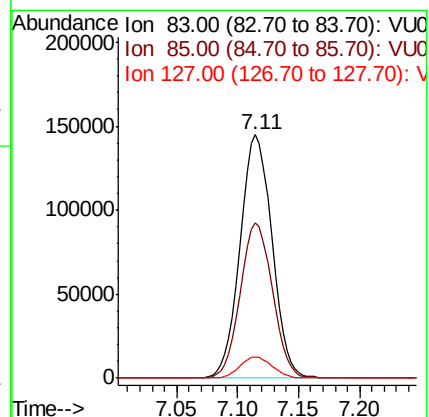
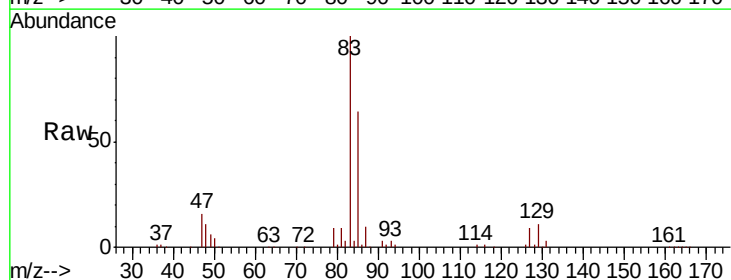
Tgt Ion: 83 Resp: 262733

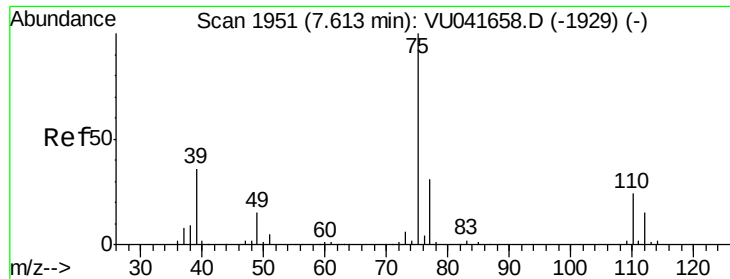
Ion Ratio Lower Upper

83 100

85 64.0 45.9 85.3

127 8.7 7.5 11.3

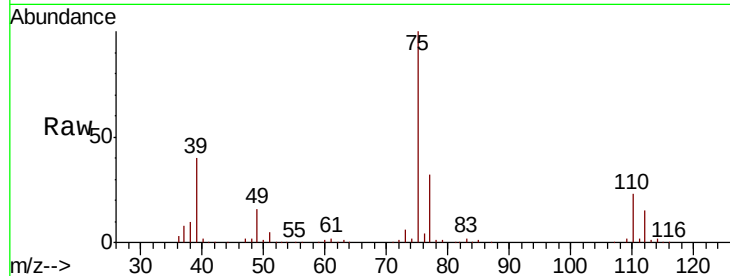




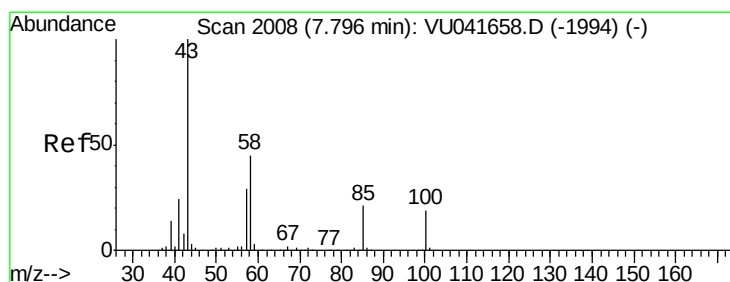
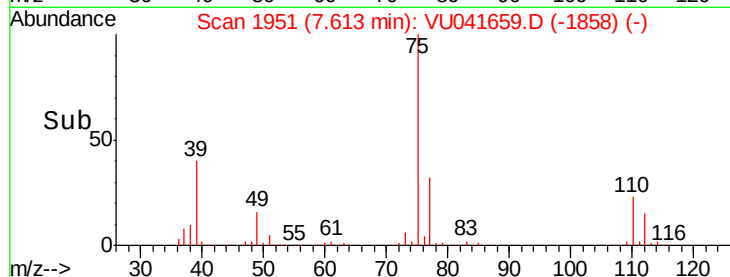
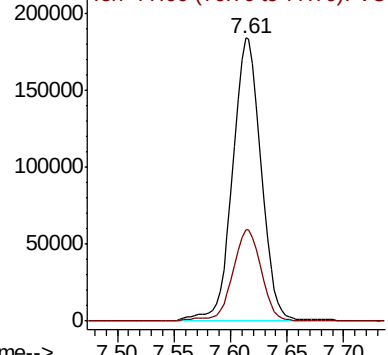
#39
 cis-1,3-Dichloropropene
 Concen: 98.141 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041659.D
 Acq: 16 Dec 2020 10:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 322666
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.4 39.8

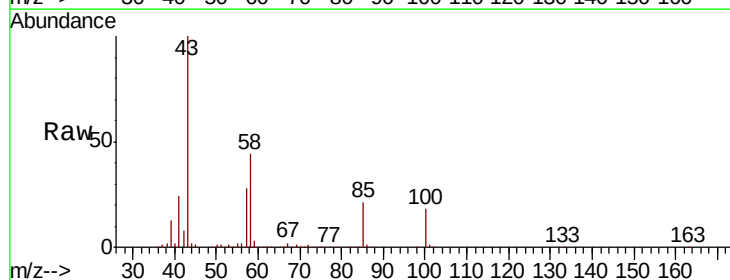


Abundance Ion 75.00 (74.70 to 75.70): VU041658.D (-1929) (-)
 Ion 77.00 (76.70 to 77.70): VU041658.D (-1929) (-)

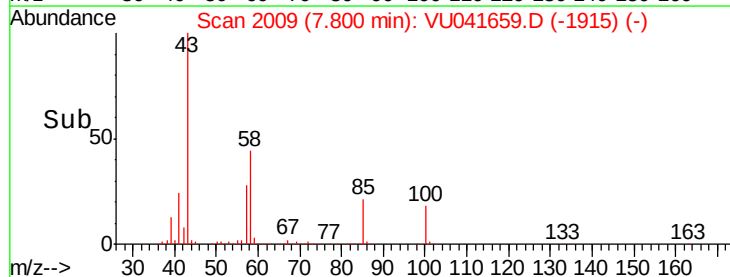
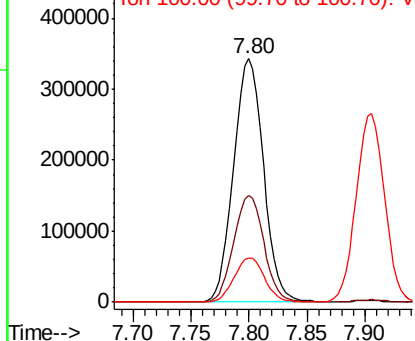


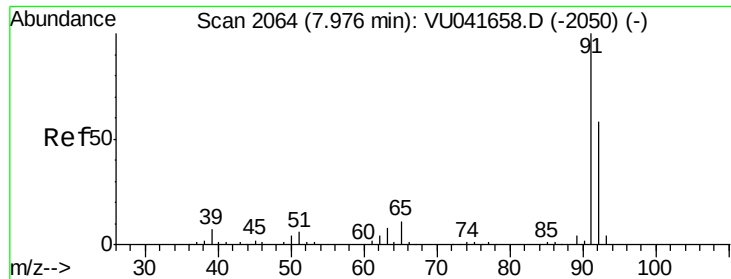
#40
 4-Methyl-2-pentanone
 Concen: 173.132 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041659.D
 Acq: 16 Dec 2020 10:20

Tgt Ion: 43 Resp: 613471
 Ion Ratio Lower Upper
 43 100
 58 44.4 36.1 54.1
 100 18.2 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU041658.D (-1994) (-)
 Ion 58.00 (57.70 to 58.70): VU041658.D (-1994) (-)
 Ion 100.00 (99.70 to 100.70): VU041658.D (-1994) (-)





#42

Toluene

Concen: 101.597 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041659.D

Acq: 16 Dec 2020 10:20

Instrument :

MSVOA_U

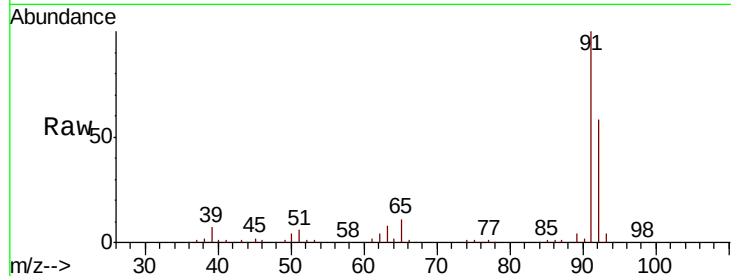
ClientSampled :

Tot Ion: 91 Resp: 844820

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU041658.D (-2050) (-)

Ion 92.00 (91.70 to 92.70): VU041659.D (-1971) (-)

7.98

600000

500000

400000

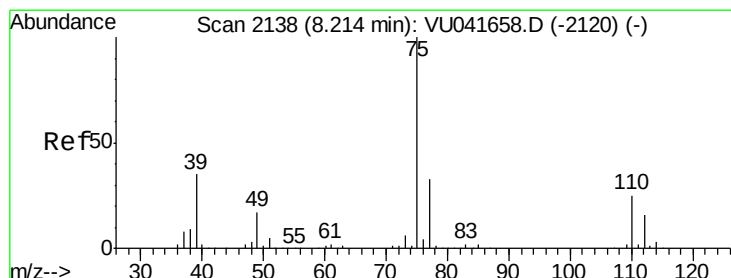
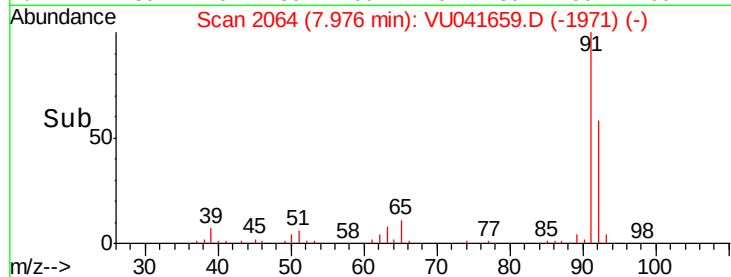
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 96.174 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041659.D

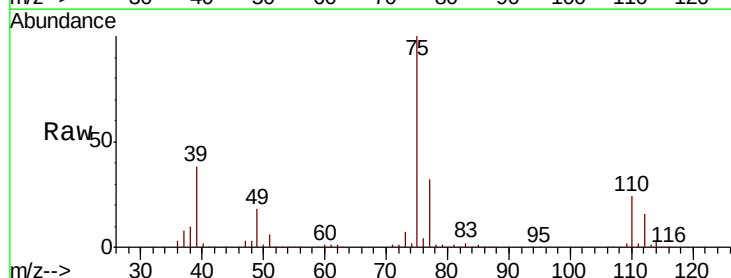
Acq: 16 Dec 2020 10:20

Tgt Ion: 75 Resp: 318800

Ion Ratio Lower Upper

75 100

77 31.9 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VU041658.D (-2120) (-)

Ion 77.00 (76.70 to 77.70): VU041659.D (-2045) (-)

8.21

200000

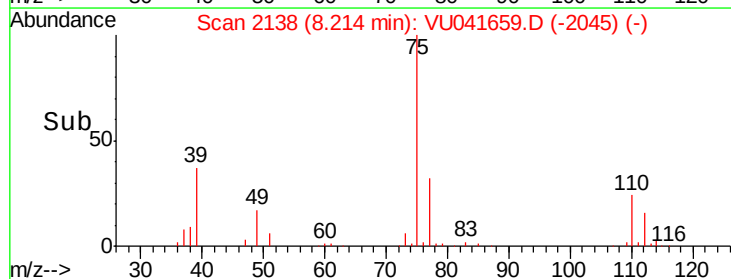
150000

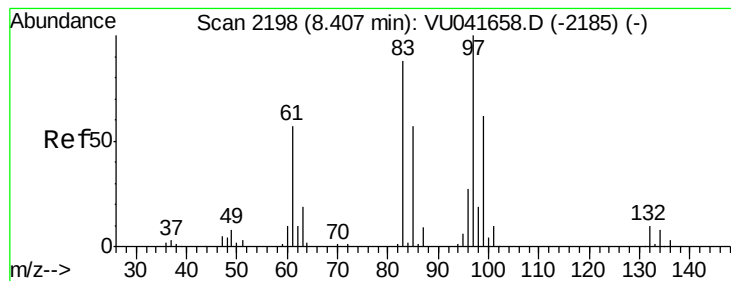
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 96.378 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU041659.D

Acq: 16 Dec 2020 10:20

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 193726

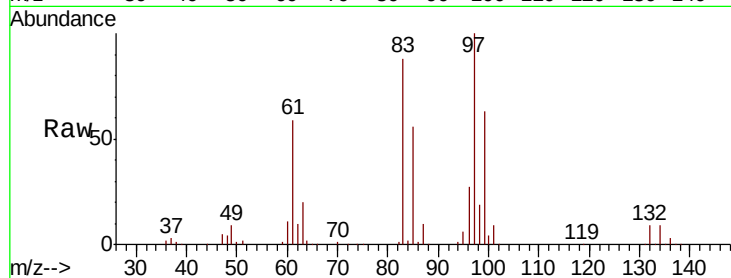
Ion Ratio Lower Upper

97 100

99 63.4 43.3 80.3

83 88.1 61.4 114.0

85 56.3 40.0 74.4

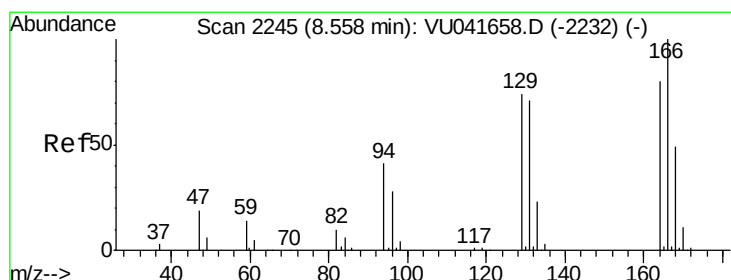
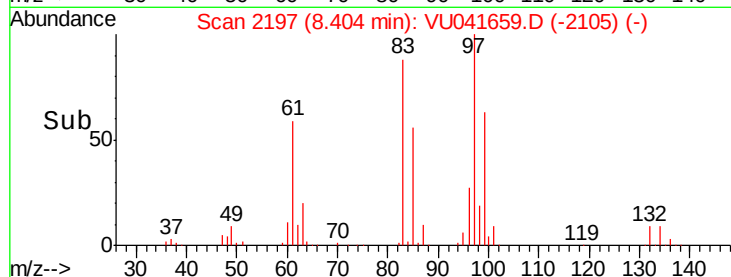
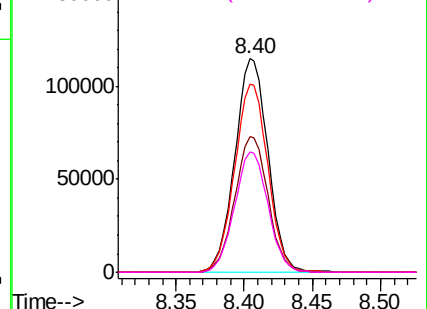


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 102.760 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041659.D

Acq: 16 Dec 2020 10:20

Tgt Ion:164 Resp: 155948

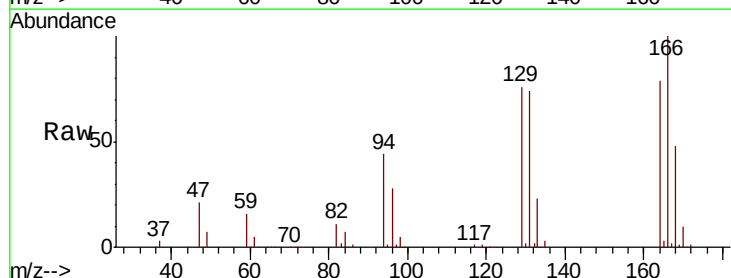
Ion Ratio Lower Upper

164 100

129 96.0 64.5 119.9

131 93.7 62.5 116.1

166 127.1 87.5 162.5

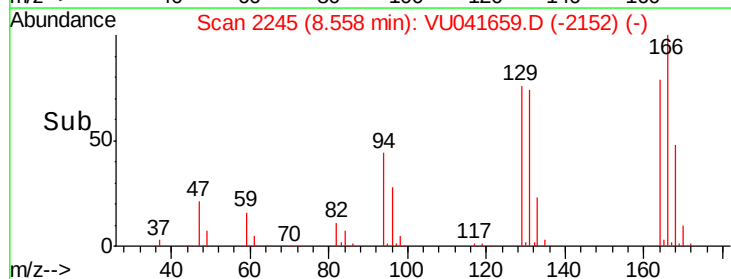
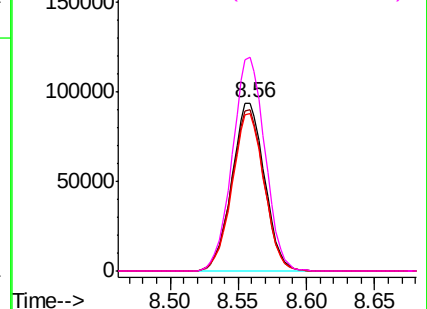


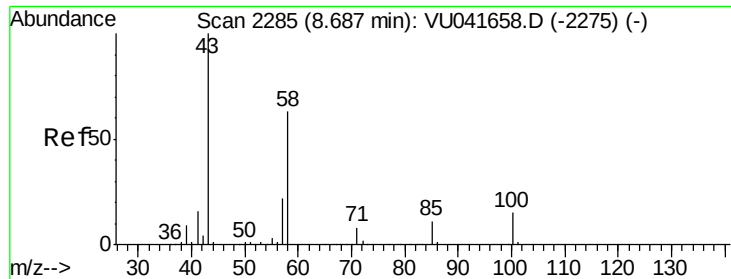
Abundance Ion 164.00 (163.70 to 164.70): V

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

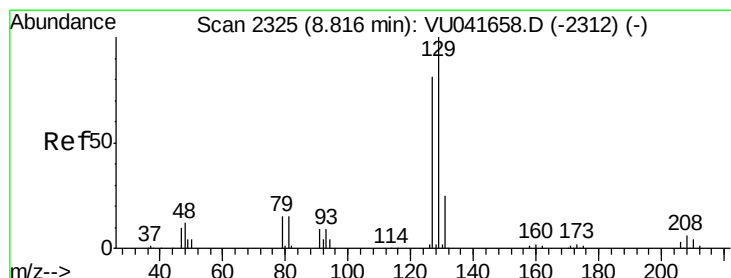
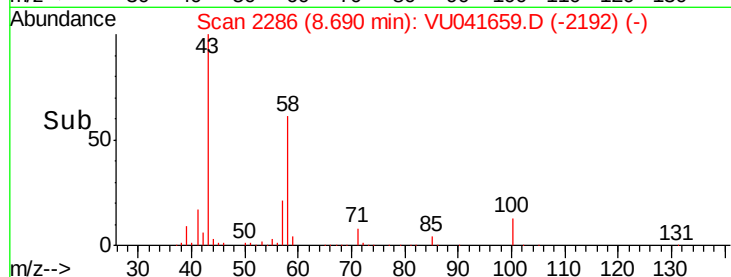
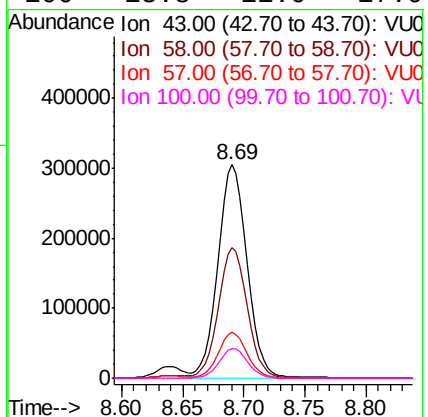
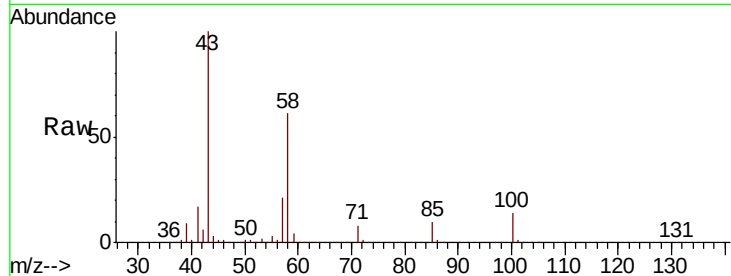




#48
2-Hexanone
Concen: 181.162 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

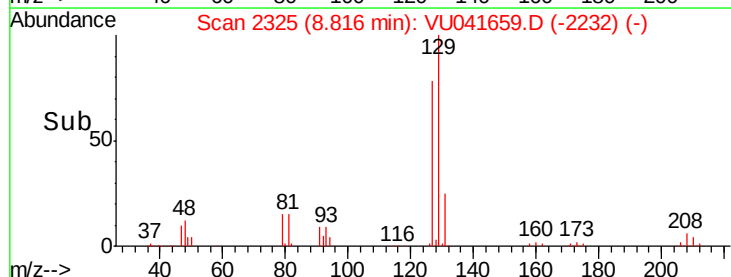
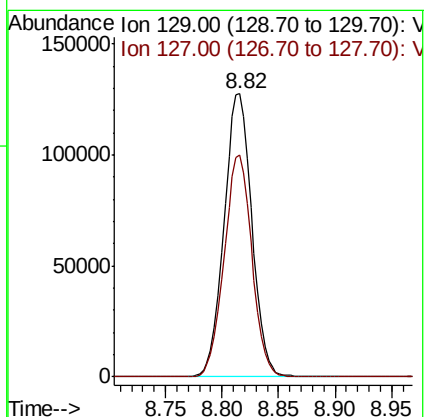
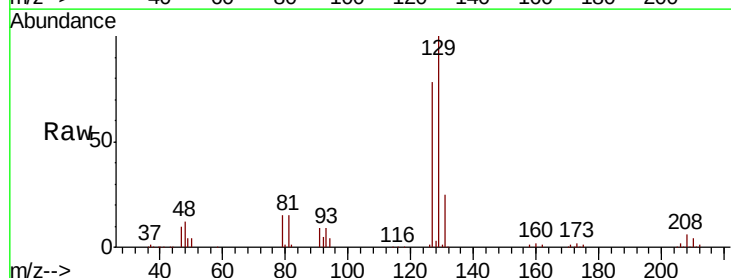
Instrument :
MSVOA_U
ClientSampleId :

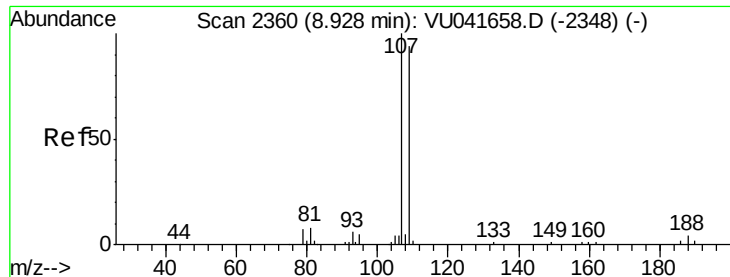
Tot Ion: 43 Resp: 513767
Ion Ratio Lower Upper
43 100
58 61.2 50.4 75.6
57 21.2 17.9 26.9
100 13.8 11.9 17.9



#49
Dibromochloromethane
Concen: 99.268 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

Tgt Ion: 129 Resp: 218327
Ion Ratio Lower Upper
129 100
127 78.4 56.6 105.2

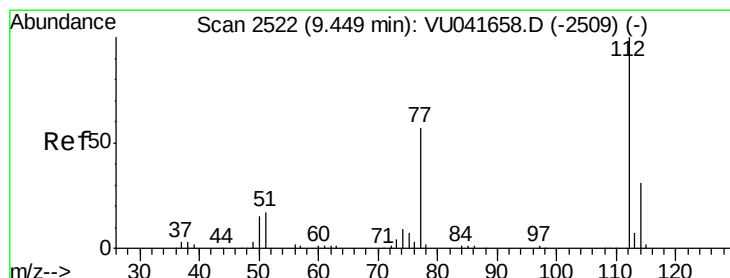
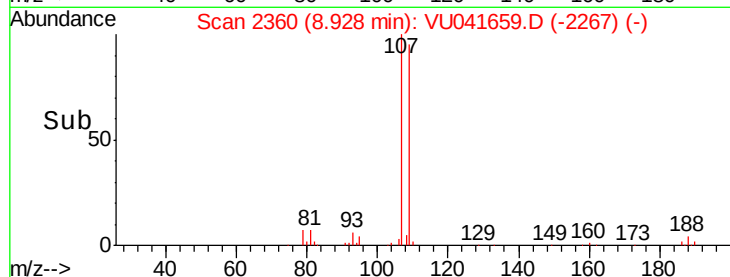
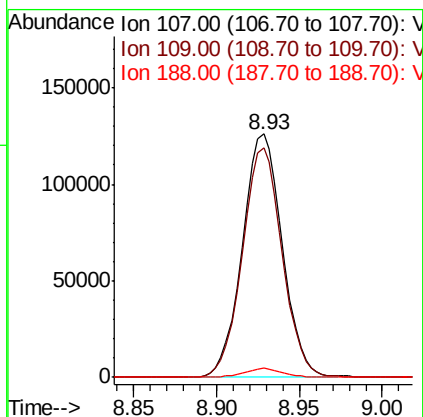
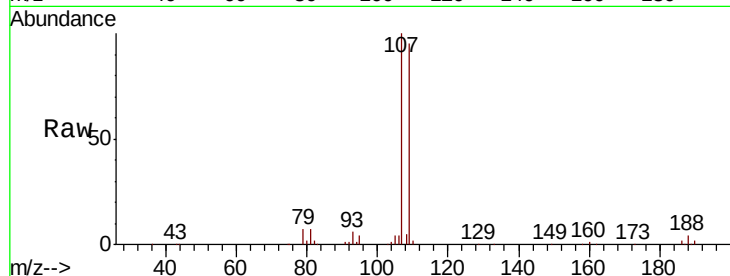




#50
1,2-Dibromoethane
Concen: 98.371 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

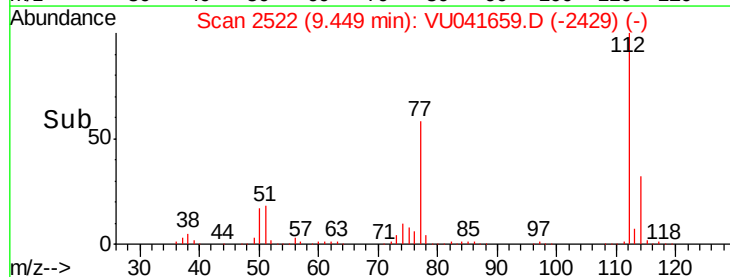
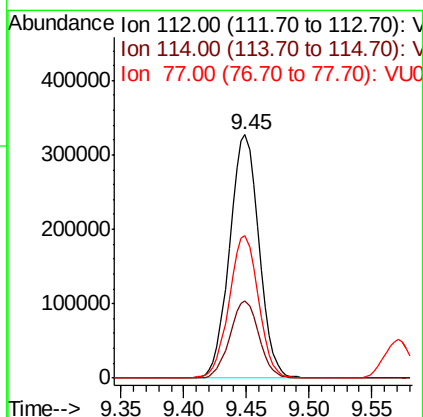
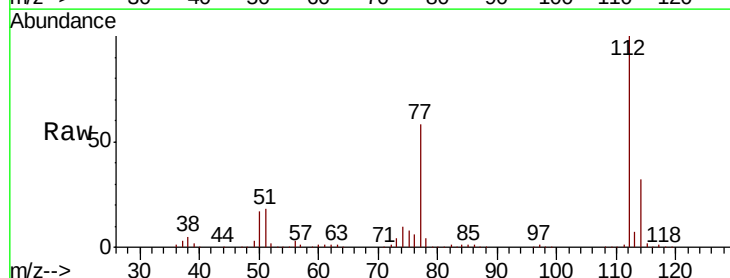
Instrument :
MSVOA_U
ClientSampleId :

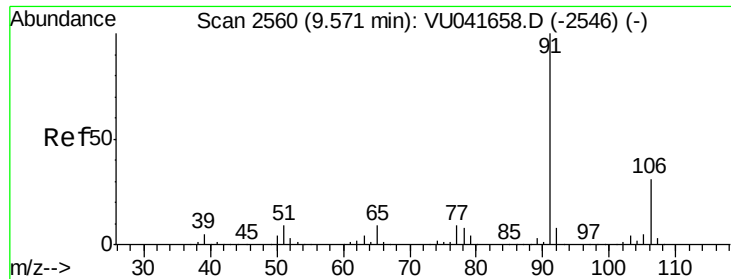
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	65.7	122.1
188	3.6	2.9	4.3



#51
Chlorobenzene
Concen: 97.524 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.0	41.0
77	58.3	46.0	69.0

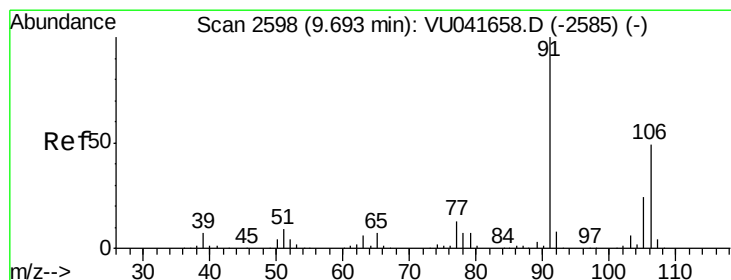
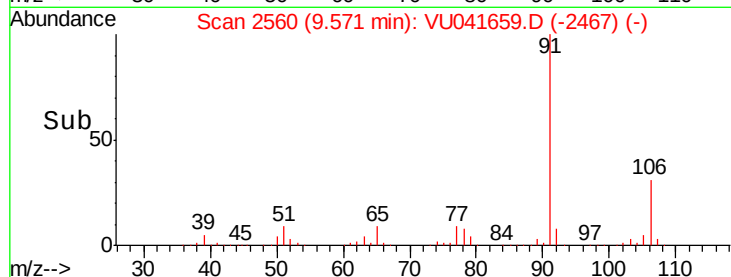
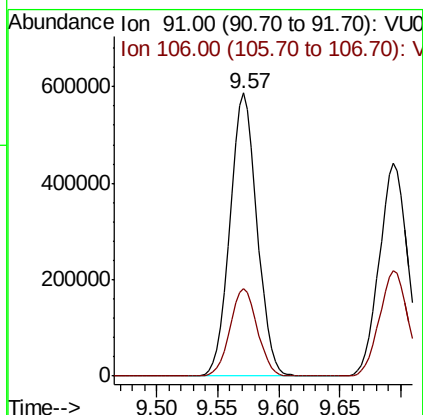
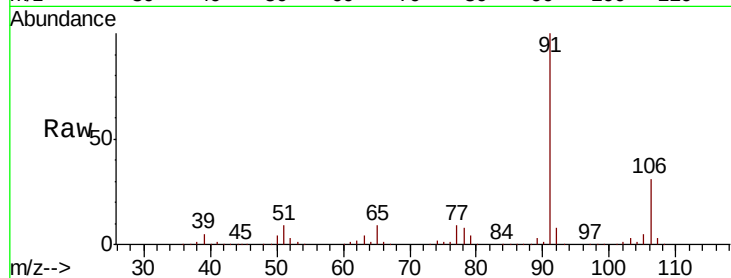




#52
Ethylbenzene
Concen: 99.714 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

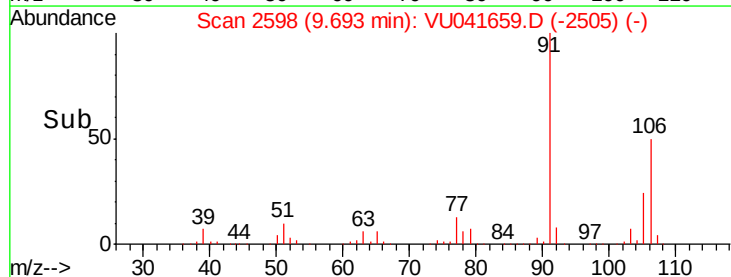
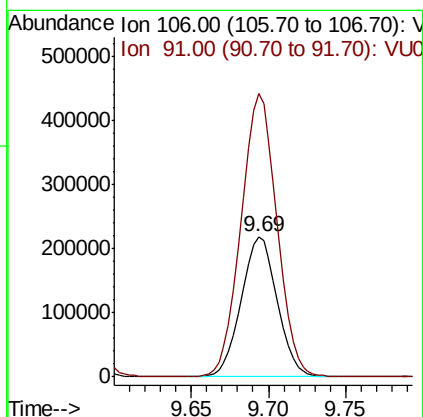
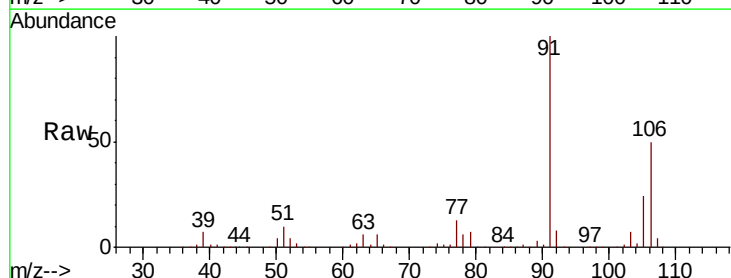
Instrument :
MSVOA_U
ClientSampled :

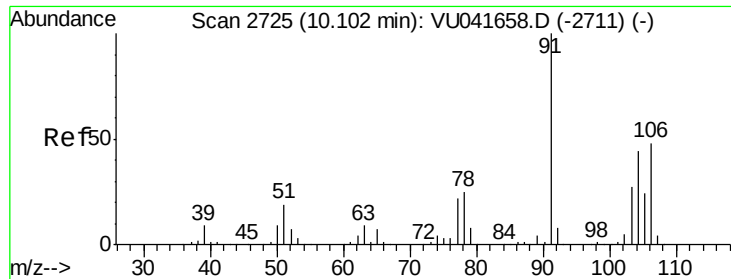
Tot Ion: 91 Resp: 910872
Ion Ratio Lower Upper
91 100
106 31.1 21.5 39.9



#53
m,p-Xylene
Concen: 105.200 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

Tgt Ion: 106 Resp: 352958
Ion Ratio Lower Upper
106 100
91 201.8 143.2 266.0





#54

o-xylene

Concen: 106.827 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU041659.D

Acq: 16 Dec 2020 10:20

Instrument :

MSVOA_U

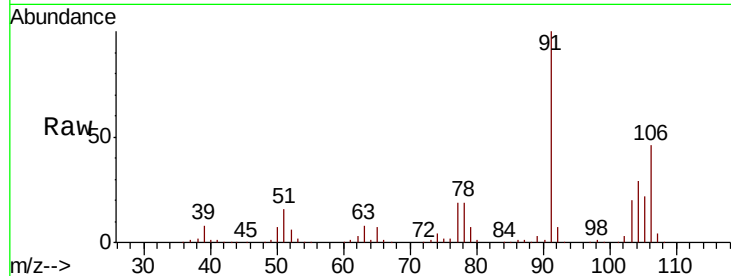
ClientSampleId :

Tot Ion:106 Resp: 350475

Ion Ratio Lower Upper

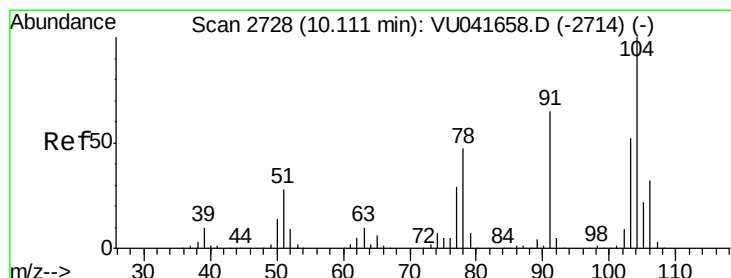
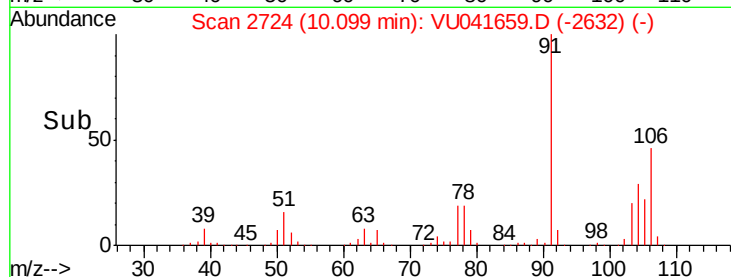
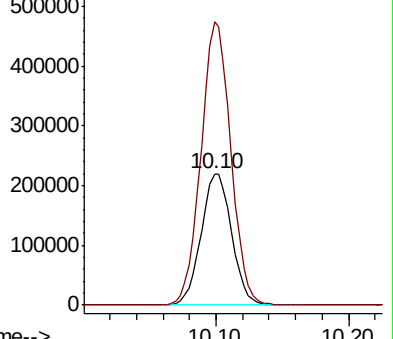
106 100

91 215.4 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 108.529 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU041659.D

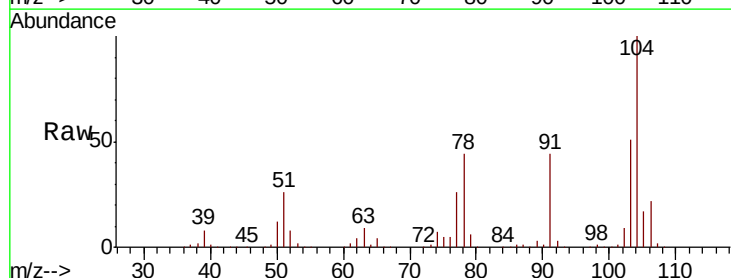
Acq: 16 Dec 2020 10:20

Tgt Ion:104 Resp: 606054

Ion Ratio Lower Upper

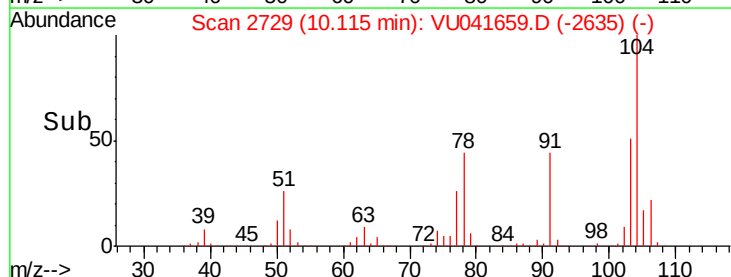
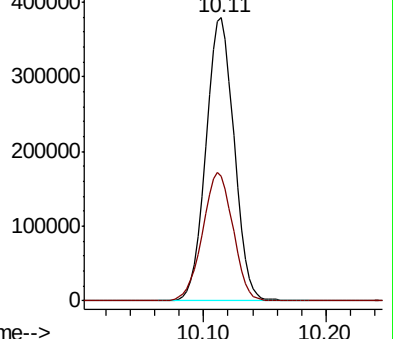
104 100

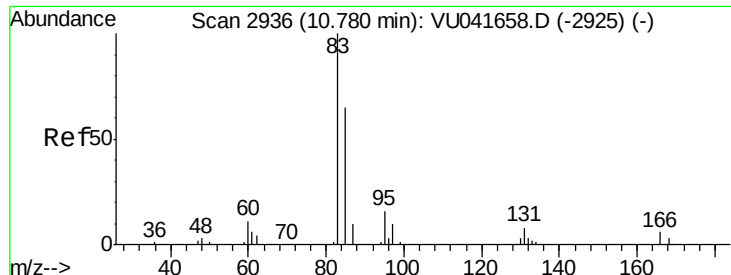
78 44.2 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

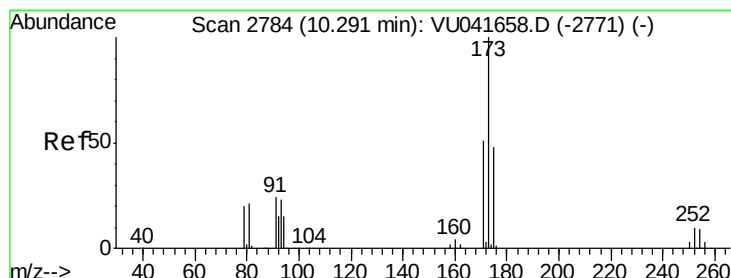
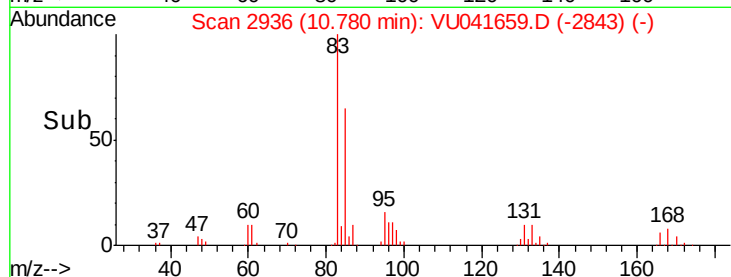
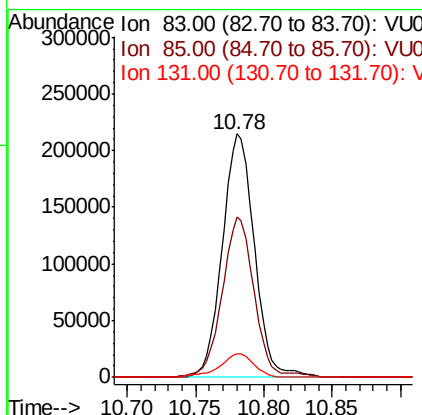
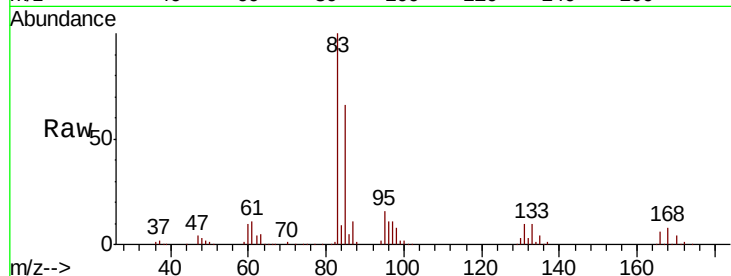




#57
 1,1,2,2-Tetrachloroethane
 Concen: 100.158 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041659.D
 Acq: 16 Dec 2020 10:20

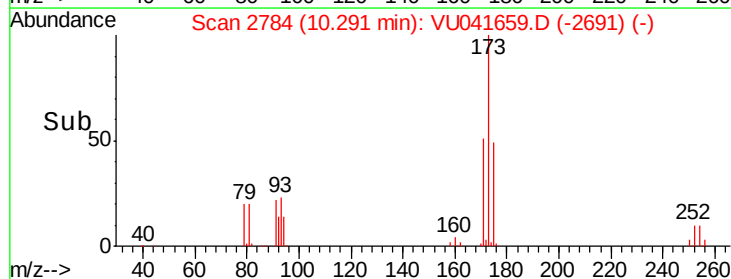
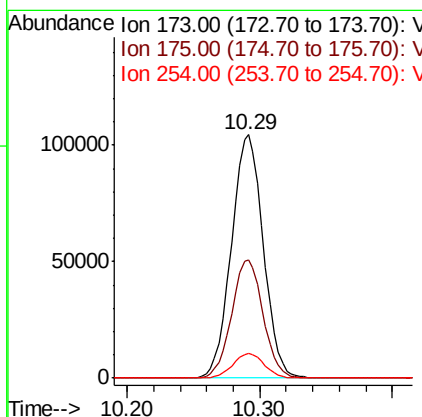
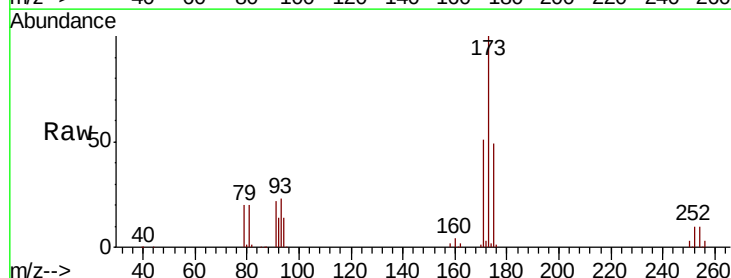
Instrument :
 MSVOA_U
 ClientSampled :

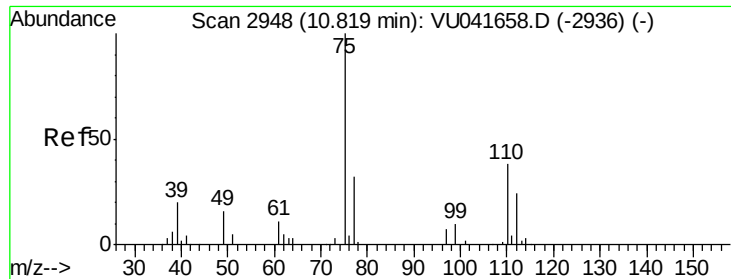
Tot Ion	83	Resp	350538
Ion	Ratio	Lower	Upper
83	100		
85	65.6	46.1	85.7
131	9.8	7.5	11.3



#59
 Bromoform
 Concen: 103.411 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041659.D
 Acq: 16 Dec 2020 10:20

Tgt Ion	173	Resp	173731
Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.3	57.5
254	9.9	7.6	11.4

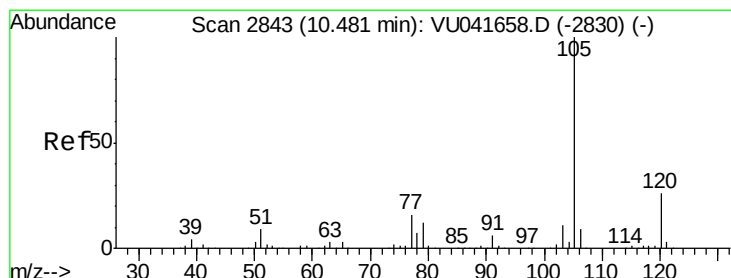
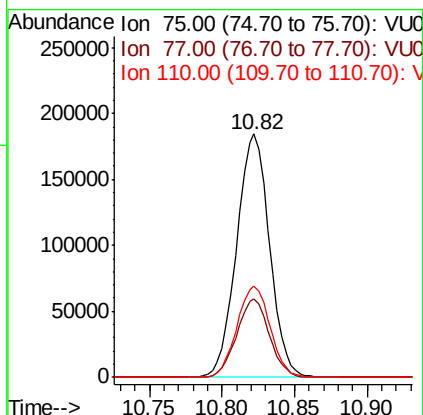
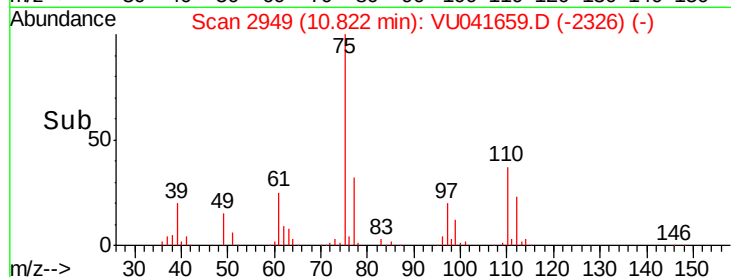
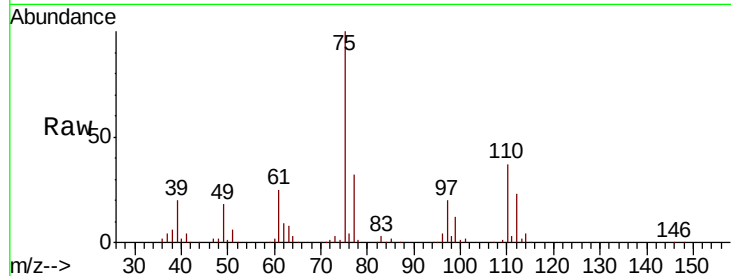




#60
1,2,3-Trichloropropane
Concen: 91.002 ug/L
RT: 10.82 min Scan# 2949
Delta R.T. 0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

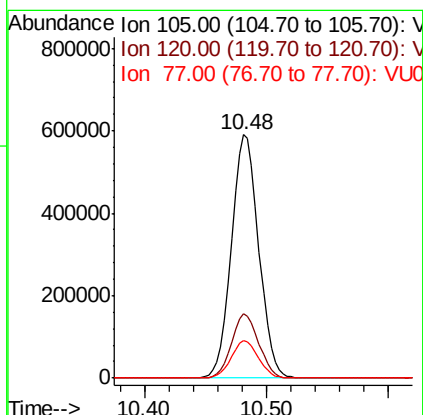
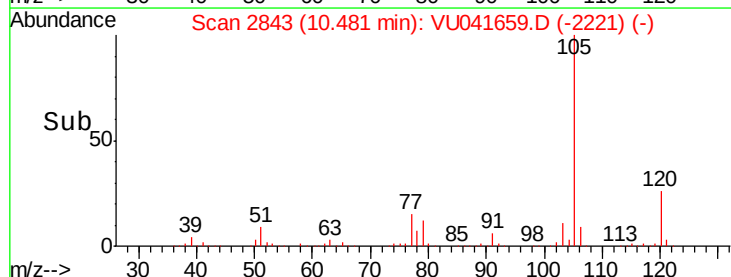
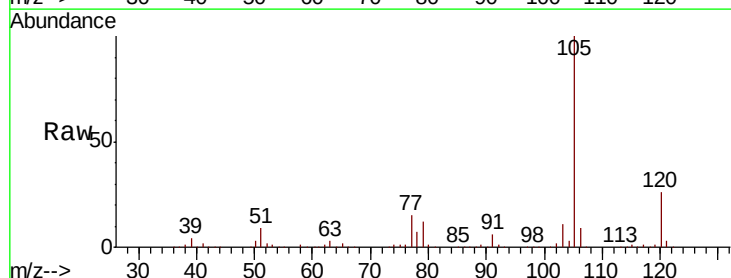
Instrument :
MSVOA_U
ClientSampleId :

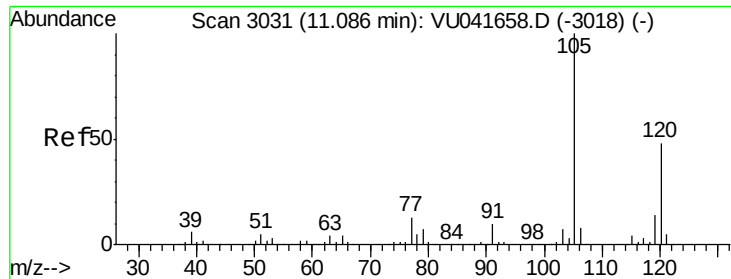
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.2	37.8
110	37.9	30.5	45.7



#61
Isopropylbenzene
Concen: 97.794 ug/L
RT: 10.48 min Scan# 2843
Delta R.T. 0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	20.7	31.1
77	15.3	12.6	18.8

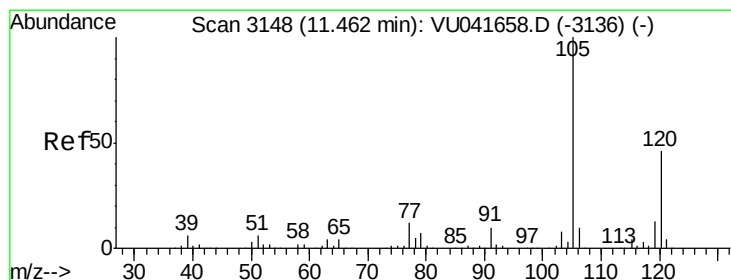
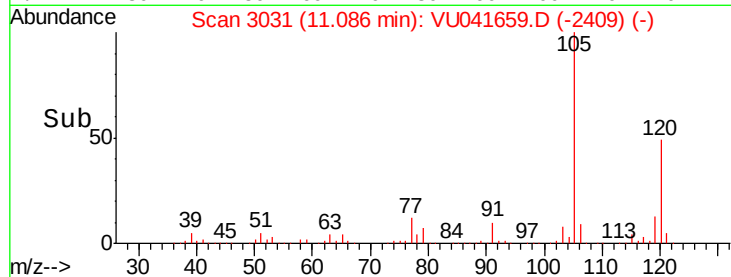
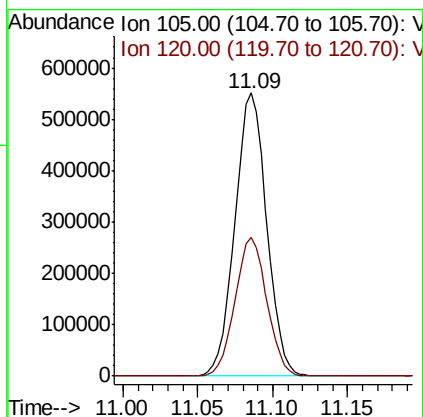
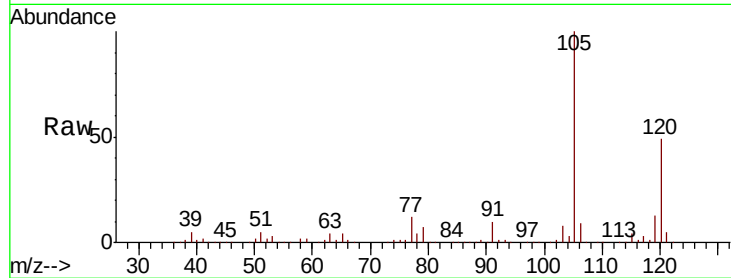




#62
 1,3,5-Trimethylbenzene
 Concen: 106.153 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041659.D
 Acq: 16 Dec 2020 10:20

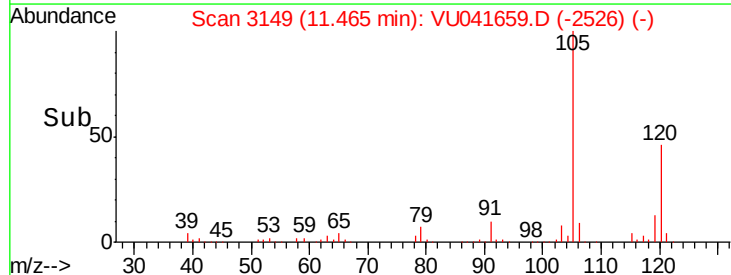
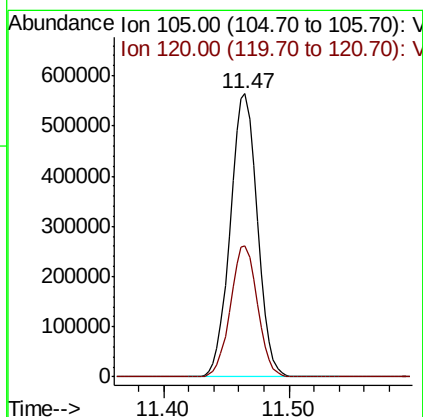
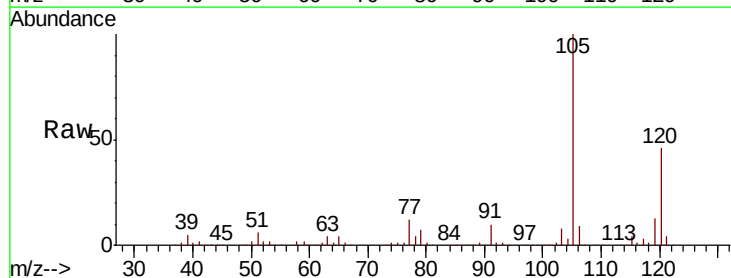
Instrument :
 MSVOA_U
 ClientSampleId :

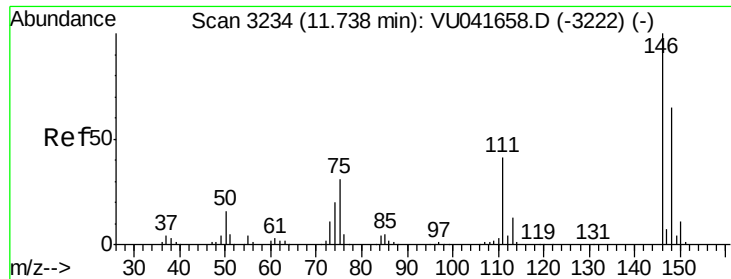
Tot Ion:105 Resp: 814800
 Ion Ratio Lower Upper
 105 100
 120 49.0 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 109.045 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU041659.D
 Acq: 16 Dec 2020 10:20

Tgt Ion:105 Resp: 845495
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.5 54.7

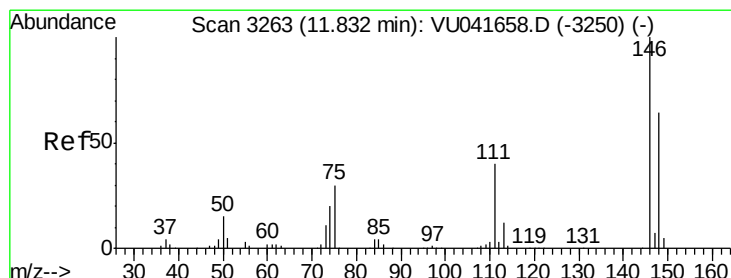
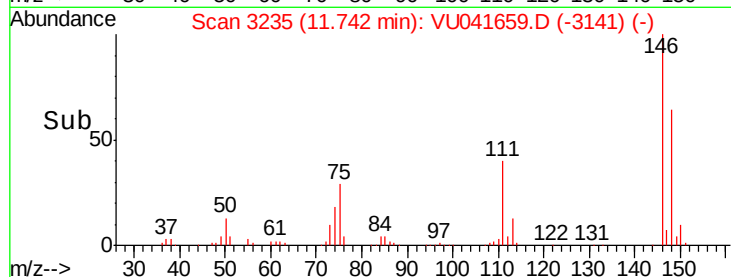
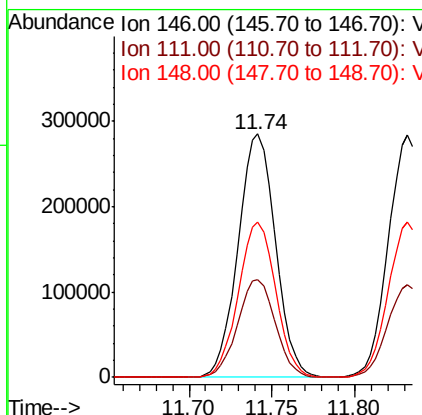
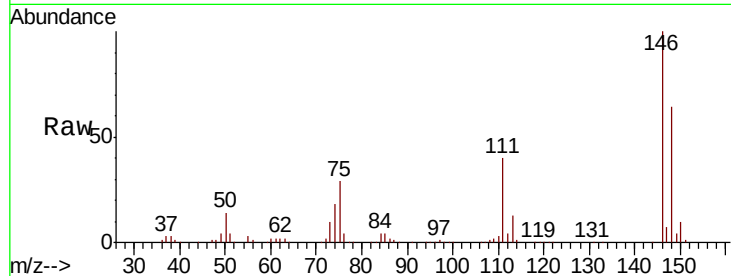




#64
 1,3-Dichlorobenzene
 Concen: 100.184 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041659.D
 Acq: 16 Dec 2020 10:20

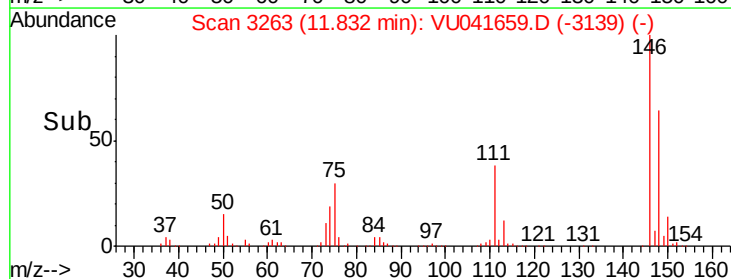
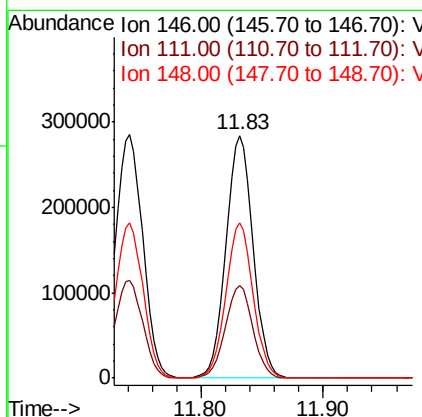
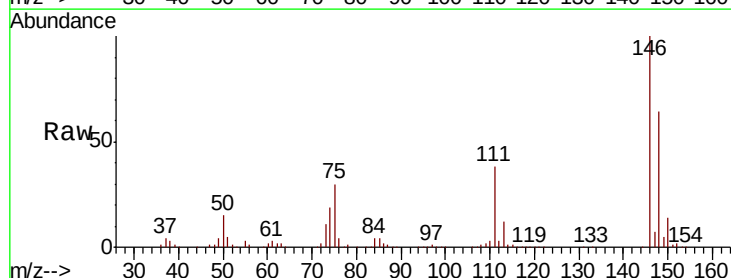
Instrument :
 MSVOA_U
 ClientSampleId :

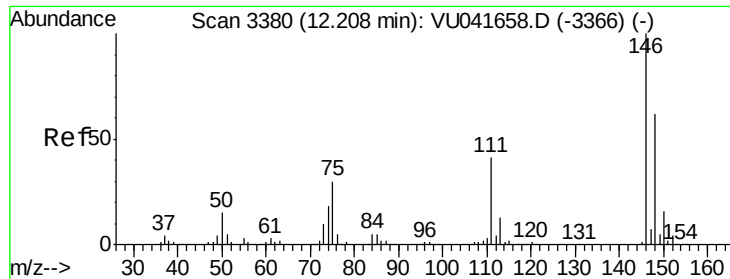
Tot Ion	146	Resp	446554
Ion Ratio	100	Lower	Upper
111	40.3	28.7	53.3
148	63.7	45.5	84.5



#65
 1,4-Dichlorobenzene
 Concen: 96.533 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041659.D
 Acq: 16 Dec 2020 10:20

Tgt Ion	146	Resp	442825
Ion Ratio	100	Lower	Upper
111	38.4	28.1	52.1
148	64.1	44.8	83.2

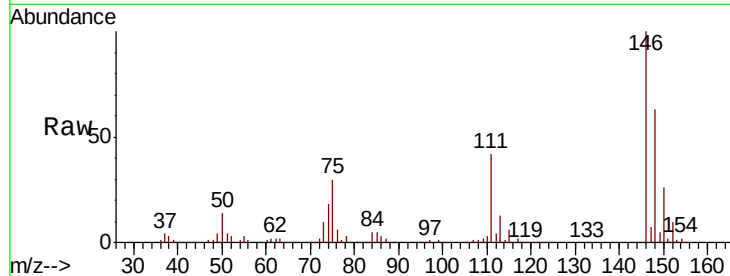




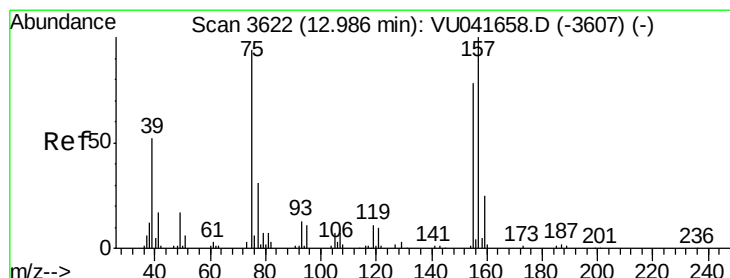
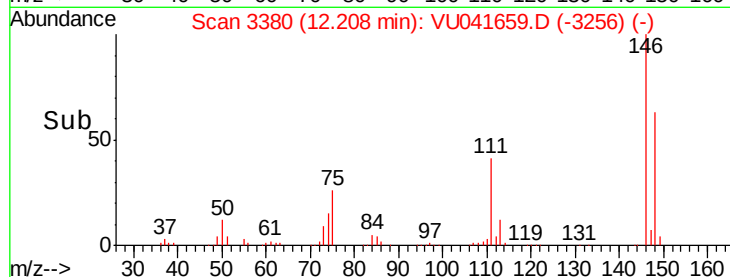
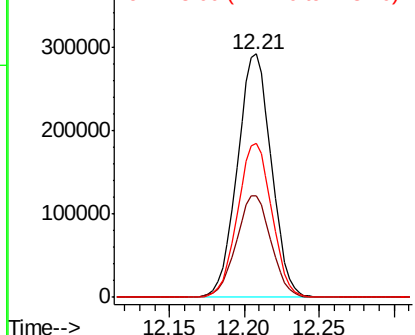
#67
 1,2-Dichlorobenzene
 Concen: 103.072 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041659.D
 Acq: 16 Dec 2020 10:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 459612
 Ion Ratio Lower Upper
 146 100
 111 41.7 33.0 49.6
 148 63.2 50.0 75.0

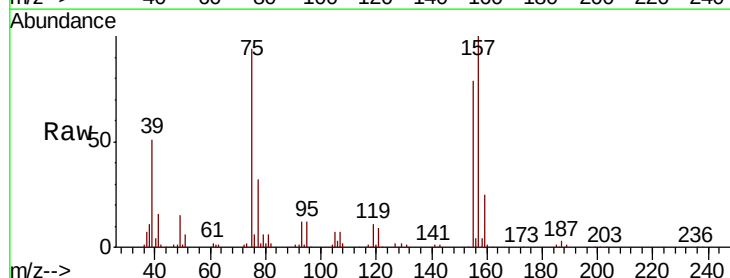


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

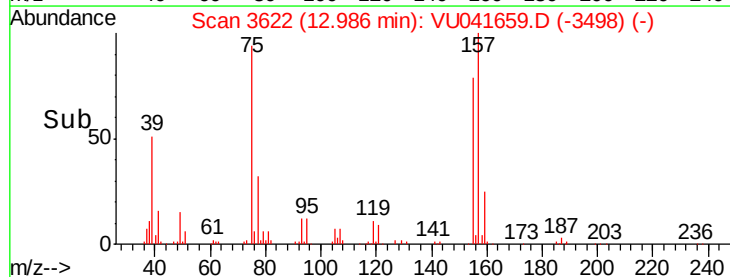
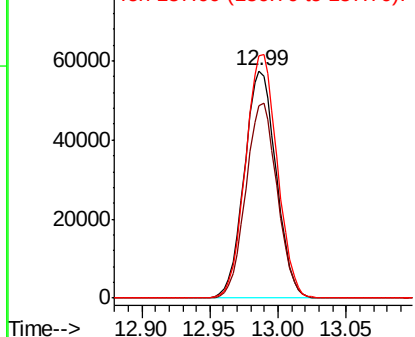


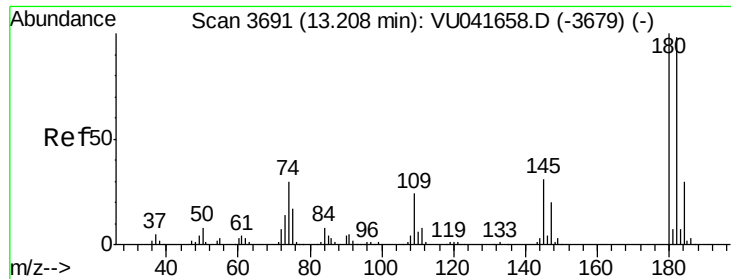
#68
 1,2-Dibromo-3-chloropropane
 Concen: 101.590 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: VU041659.D
 Acq: 16 Dec 2020 10:20

Tgt Ion: 75 Resp: 93152
 Ion Ratio Lower Upper
 75 100
 155 84.9 66.8 100.2
 157 106.9 85.5 128.3



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

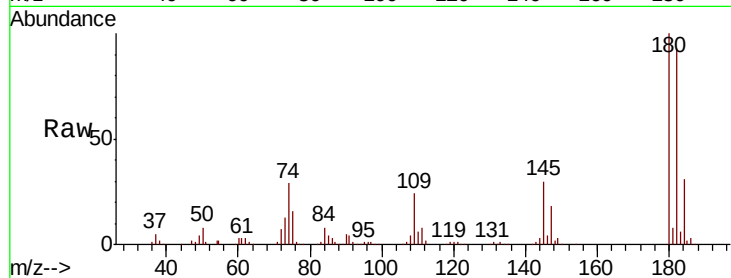




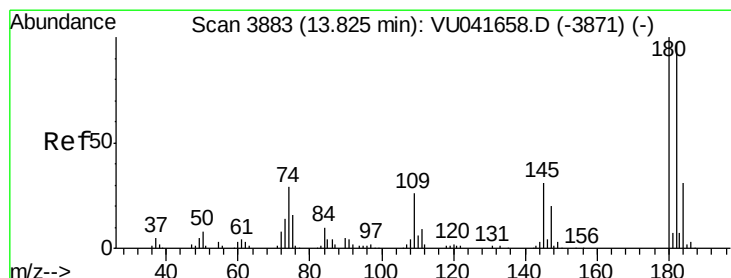
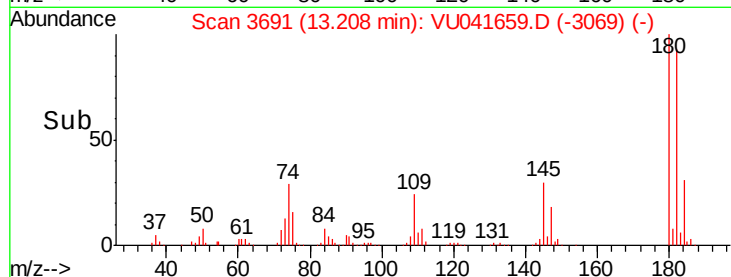
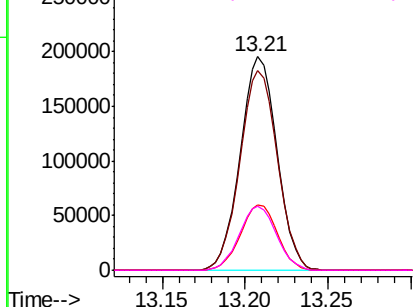
#69
 1,3,5-Trichlorobenzene
 Concen: 102.237 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041659.D
 Acq: 16 Dec 2020 10:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 300901
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.1 115.7
 184 30.9 23.9 35.9
 145 30.4 23.8 35.6

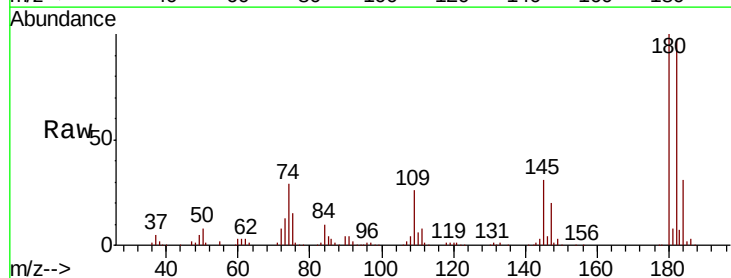


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

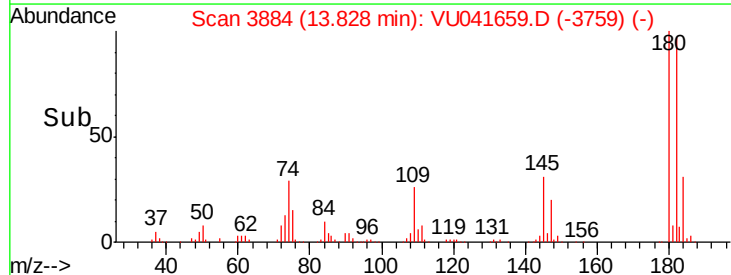
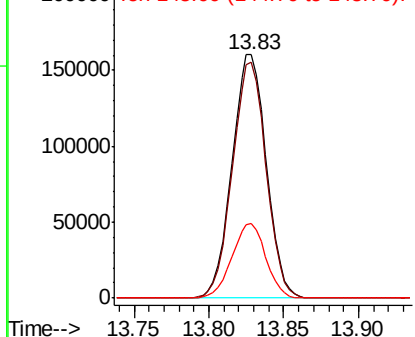


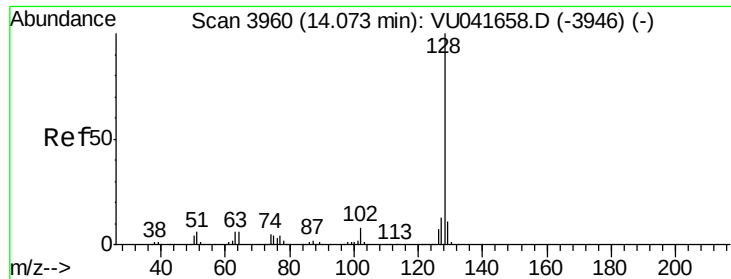
#70
 1,2,4-trichlorobenzene
 Concen: 101.398 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041659.D
 Acq: 16 Dec 2020 10:20

Tgt Ion:180 Resp: 255437
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.9 113.9
 145 30.2 24.1 36.1



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

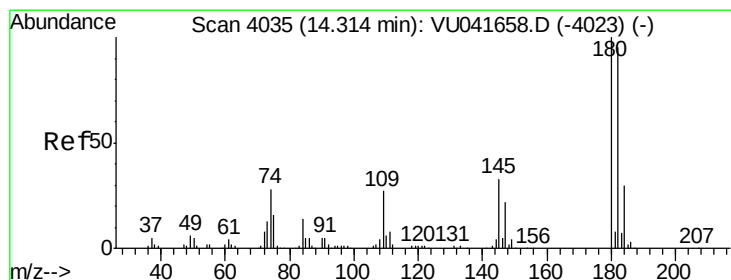
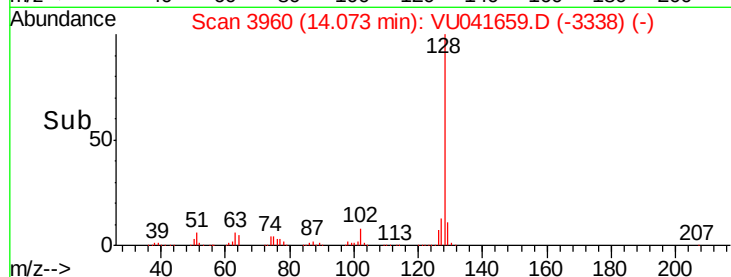
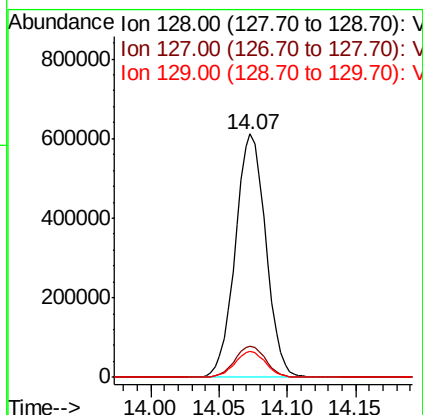
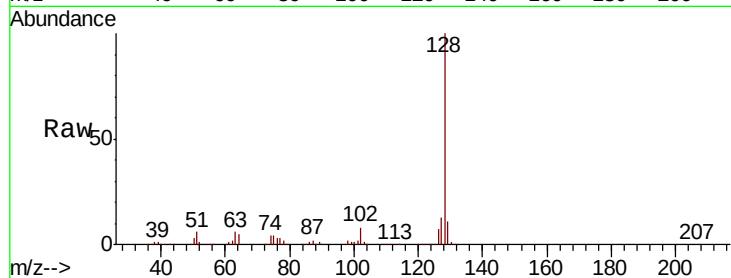




#71
Naphthalene
Concen: 120.843 ug/L
RT: 14.07 min Scan# 3960
Delta R.T. 0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 949103
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 105.382 ug/L
RT: 14.31 min Scan# 4035
Delta R.T. 0.00 min
Lab File: VU041659.D
Acq: 16 Dec 2020 10:20

Tgt Ion:180 Resp: 261543
Ion Ratio Lower Upper
180 100
182 94.8 75.8 113.6
145 31.9 26.2 39.4

