

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121620\
 Data File : VU041656.D
 Acq On : 16 Dec 2020 09:11
 Operator : SY/MD
 Sample : VSTD00531
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 02:45:00 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	252584	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	229742	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	103280	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	9569	4.66	ug/L	0.00
7) Chloroethane-d5	1.92	69	7737	4.90	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	16447	4.18	ug/L	0.00
21) 2-Butanone-d5	4.64	46	14117	8.32	ug/L	0.00
24) Chloroform-d	5.08	84	16757	4.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	11020	4.34	ug/L	0.00
32) Benzene-d6	5.74	84	32710	5.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	10226	4.69	ug/L	0.00
41) Toluene-d8	7.90	98	28660	4.80	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	4954	4.45	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	9213	9.21	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	15364	4.94	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	11028	5.47	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	12004	6.536 ug/L	97
3) Chloromethane	1.53	50	10743	5.105 ug/L	93
5) Vinyl chloride	1.61	62	11777	5.522 ug/L	99
6) Bromomethane	1.86	94	8587	7.015 ug/L	95
8) Chloroethane	1.94	64	7435	5.335 ug/L	95
9) Trichlorofluoromethane	2.15	101	16900	5.601 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	9007	4.818 ug/L	97
12) 1,1-Dichloroethene	2.59	96	8598	4.914 ug/L	97
13) Acetone	2.65	43	11907	6.997 ug/L	96
14) Carbon disulfide	2.81	76	27800	5.001 ug/L	100
15) Methyl Acetate	2.96	43	10842	4.104 ug/L	100
16) Methylene chloride	3.06	84	9847	4.794 ug/L	95
17) trans-1,2-Dichloroethene	3.37	96	8617	4.772 ug/L	98
18) Methyl tert-butyl Ether	3.38	73	26047	4.449 ug/L	97
19) 1,1-Dichloroethane	3.89	63	16176	4.375 ug/L	96
20) cis-1,2-Dichloroethene	4.68	96	9355	4.730 ug/L	95
22) 2-Butanone	4.72	43	15284	7.431 ug/L	98
23) Bromochloromethane	4.99	128	5172	4.950 ug/L	90
25) Chloroform	5.10	83	17350	4.620 ug/L	92
27) 1,2-Dichloroethane	5.81	62	13355	4.229 ug/L #	92
29) Cyclohexane	5.40	56	12290	4.033 ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	15819	5.356 ug/L	98
31) Carbon tetrachloride	5.54	117	13299	5.187 ug/L	99
33) Benzene	5.79	78	38400	5.141 ug/L	100
34) Trichloroethene	6.55	95	9553	4.940 ug/L	94
35) Methylcyclohexane	6.77	83	14369	4.829 ug/L	97
37) 1,2-Dichloropropane	6.80	63	9204	4.439 ug/L #	94
38) Bromodichloromethane	7.11	83	13198	4.985 ug/L #	94
39) cis-1,3-Dichloropropene	7.61	75	14139	4.677 ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	25616	7.862 ug/L	96

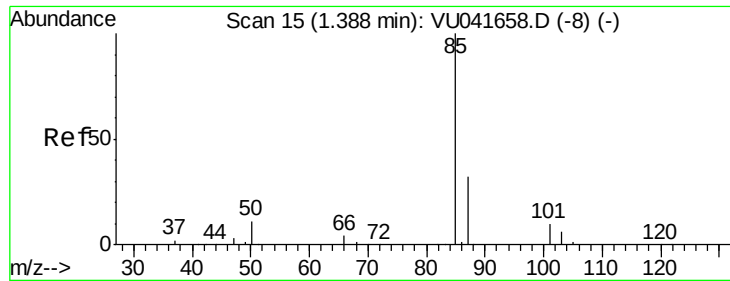
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121620\
 Data File : VU041656.D
 Acq On : 16 Dec 2020 09:11
 Operator : SY/MD
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Quant Time: Dec 17 02:45:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 17 02:44:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	37201	4.865	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	13354	4.381	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	9390	5.080	ug/L	97
46) Tetrachloroethene	8.56	164	7452	5.340	ug/L	98
48) 2-Hexanone	8.69	43	20691	7.934	ug/L	95
49) Dibromochloromethane	8.81	129	10110	4.999	ug/L	97
50) 1,2-Dibromoethane	8.93	107	9633	4.884	ug/L	97
51) Chlorobenzene	9.45	112	24805	4.944	ug/L	97
52) Ethylbenzene	9.57	91	38760	4.614	ug/L	99
53) m,p-Xylene	9.69	106	14237	4.615	ug/L	94
54) o-xylene	10.10	106	13732	4.552	ug/L	99
55) Styrene	10.11	104	22256	4.334	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.78	83	16122	5.010	ug/L	91
59) Bromoform	10.29	173	7246	5.681	ug/L	97
60) 1,2,3-Trichloropropane	10.82	75	13575	5.603	ug/L	96
61) Isopropylbenzene	10.48	105	35744	5.021	ug/L	99
62) 1,3,5-Trimethylbenzene	11.08	105	27648	4.744	ug/L	99
63) 1,2,4-Trimethylbenzene	11.46	105	26511	4.504	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	17818	5.265	ug/L	96
65) 1,4-Dichlorobenzene	11.83	146	18973	5.448	ug/L	99
67) 1,2-Dichlorobenzene	12.20	146	19779	5.842	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	4271	6.135	ug/L	95
69) 1,3,5-Trichlorobenzene	13.21	180	13398	5.996	ug/L	93
70) 1,2,4-trichlorobenzene	13.83	180	8385	4.384	ug/L	91
71) Naphthalene	14.07	128	21607	3.624	ug/L	97
72) 1,2,3-Trichlorobenzene	14.32	180	8795	4.668	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 6.536 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

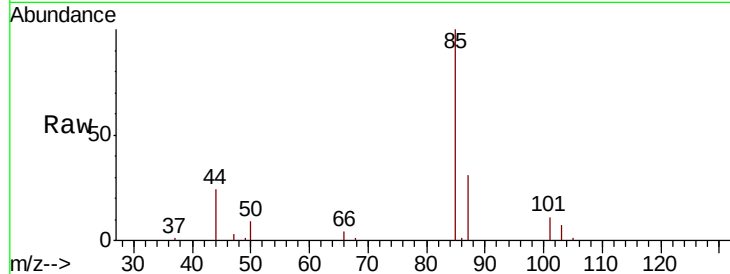
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 12004

Ion Ratio Lower Upper

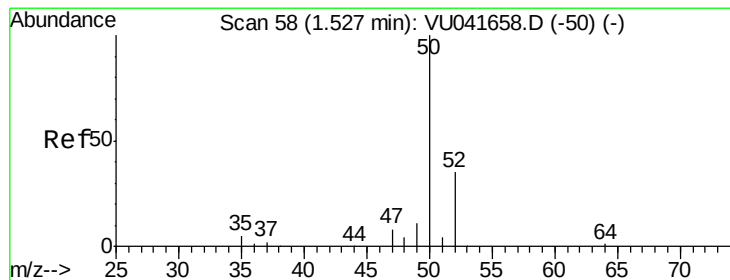
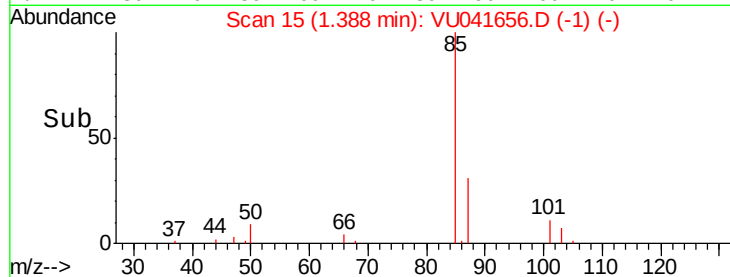
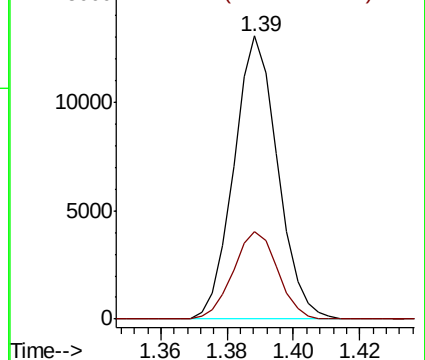
85 100

87 31.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU041656.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU041656.D (-8) (-)



#3

Chloromethane

Concen: 5.105 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041656.D

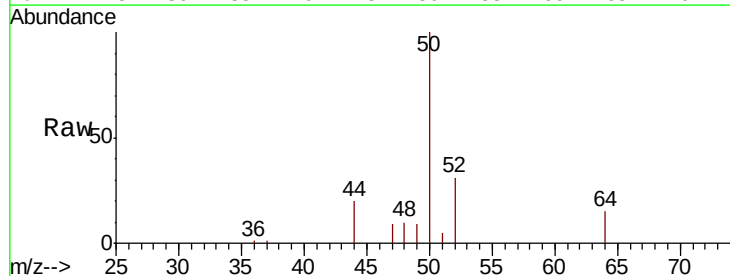
Acq: 16 Dec 2020 09:11

Tgt Ion: 50 Resp: 10743

Ion Ratio Lower Upper

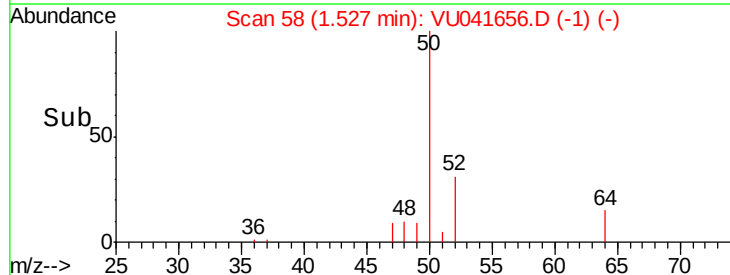
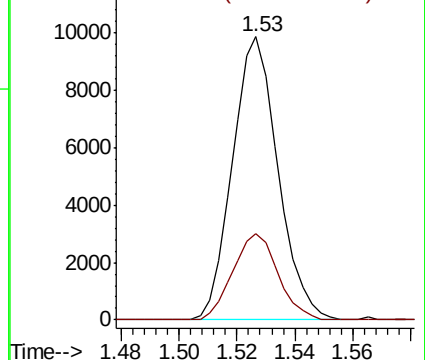
50 100

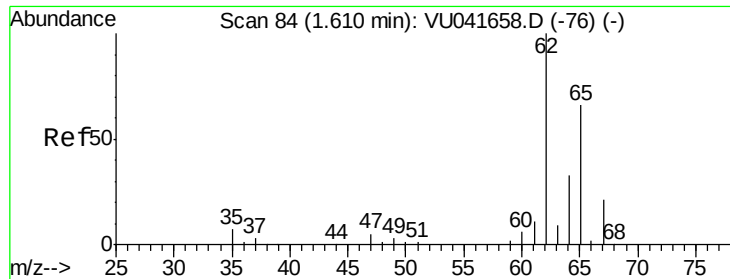
52 30.6 24.1 44.8



Abundance Ion 50.00 (49.70 to 50.70): VU041656.D (-50) (-)

Ion 52.00 (51.70 to 52.70): VU041656.D (-50) (-)





#5

Vinyl chloride

Concen: 5.522 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

Instrument :

MSVOA_U

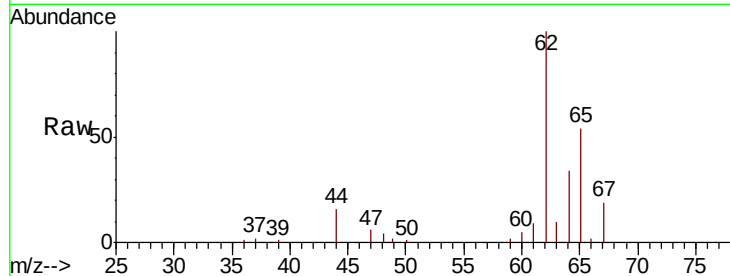
ClientSampleId :

Tot Ion: 62 Resp: 11777

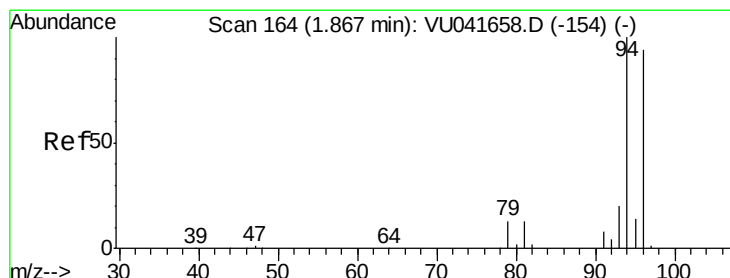
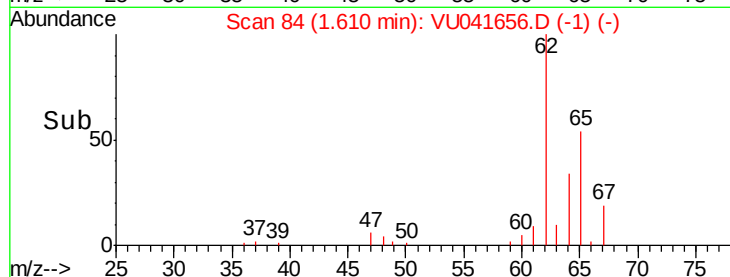
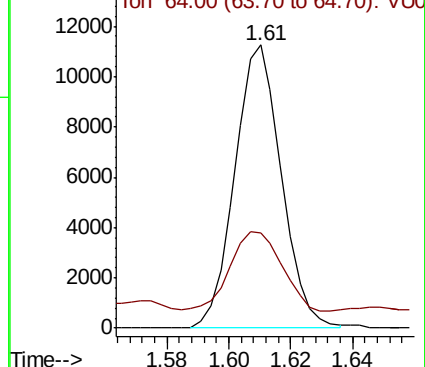
Ion Ratio Lower Upper

62 100

64 33.8 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU041656.D (-76) (-)



#6

Bromomethane

Concen: 7.015 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041656.D

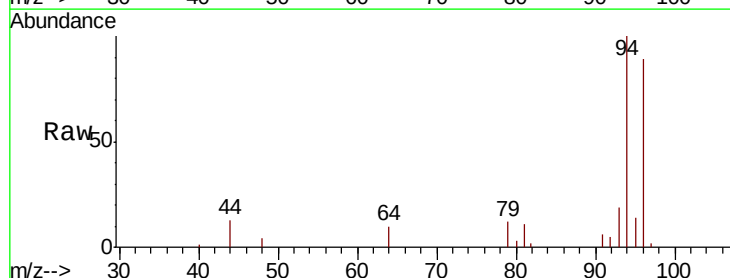
Acq: 16 Dec 2020 09:11

Tgt Ion: 94 Resp: 8587

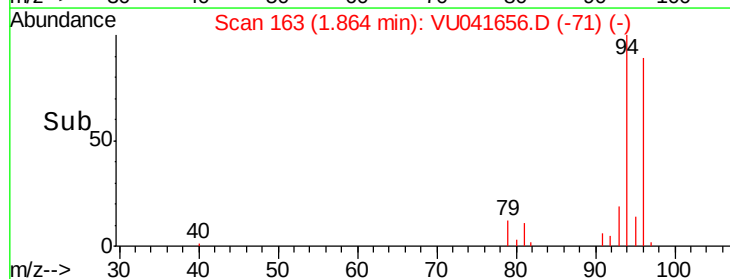
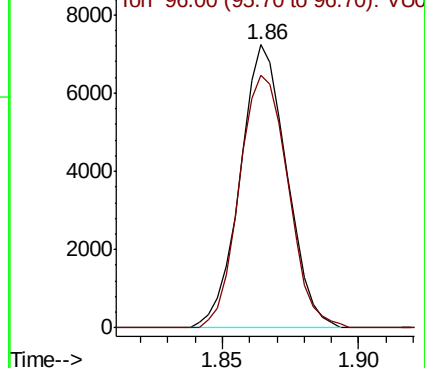
Ion Ratio Lower Upper

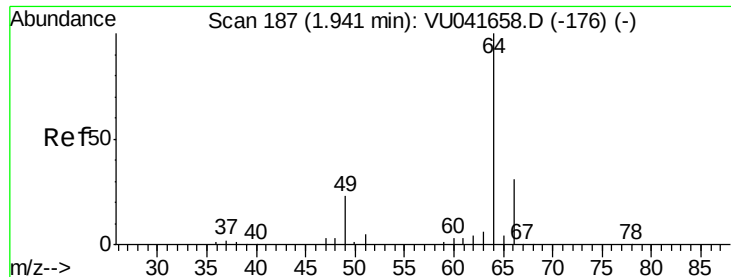
94 100

96 89.1 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU041656.D (-154) (-)





#8

Chloroethane

Concen: 5.335 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

Instrument :

MSVOA_U

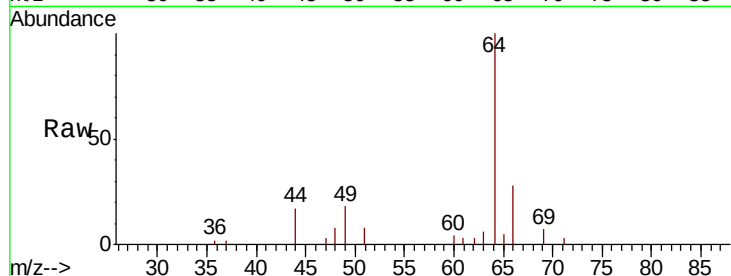
ClientSampleId :

Tot Ion: 64 Resp: 7435

Ion Ratio Lower Upper

64 100

66 28.1 21.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VU041656.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU041656.D (-176) (-)

1.94

6000

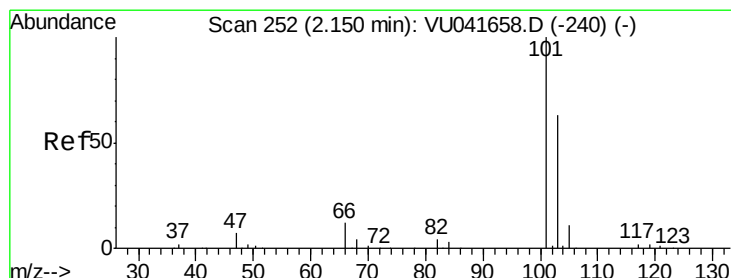
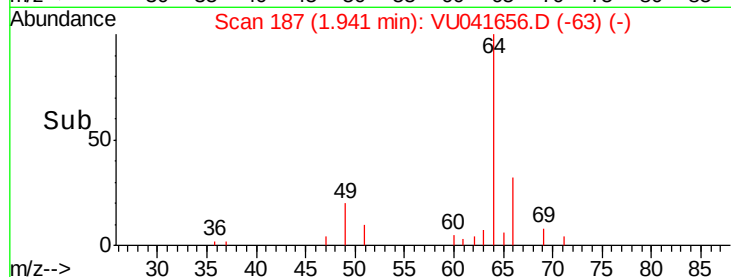
4000

2000

0

Time-->

1.90 1.95 2.00



#9

Trichlorofluoromethane

Concen: 5.601 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU041656.D

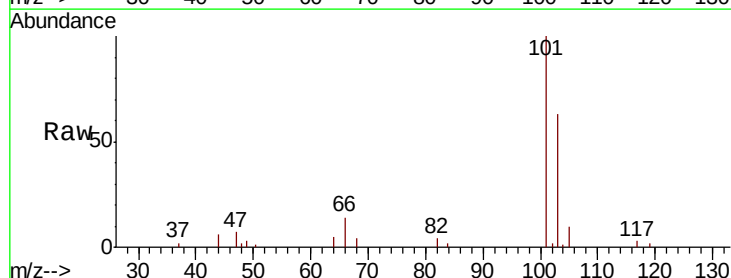
Acq: 16 Dec 2020 09:11

Tgt Ion: 101 Resp: 16900

Ion Ratio Lower Upper

101 100

103 63.4 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU041656.D (-128) (-)

Ion 103.00 (102.70 to 103.70): VU041656.D (-128) (-)

2.15

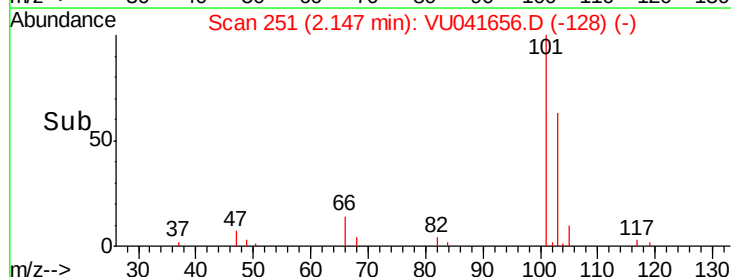
10000

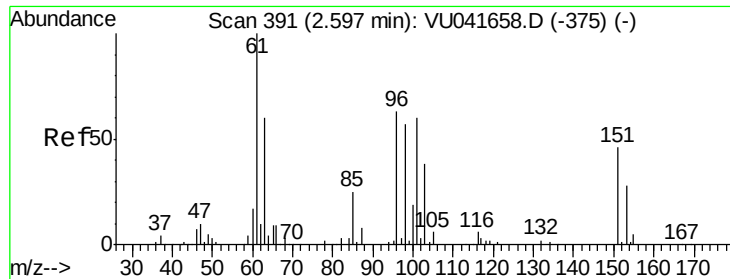
5000

0

Time-->

2.10 2.15 2.20





#10

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

Concen: 4.818 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

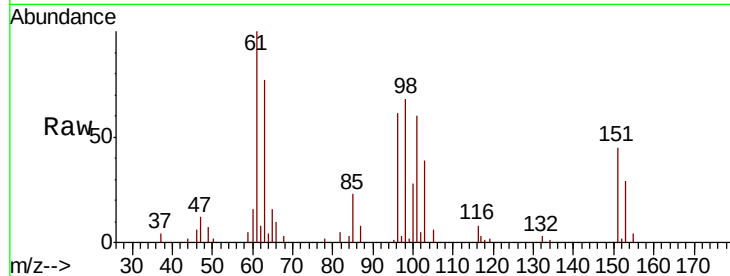
Tot Ion:101 Resp: 9007

Ion Ratio Lower Upper

101 100

85 41.1 32.7 49.1

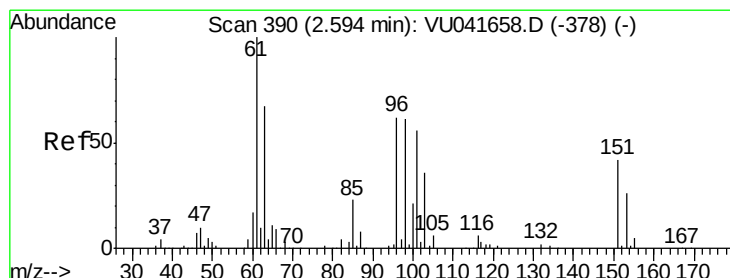
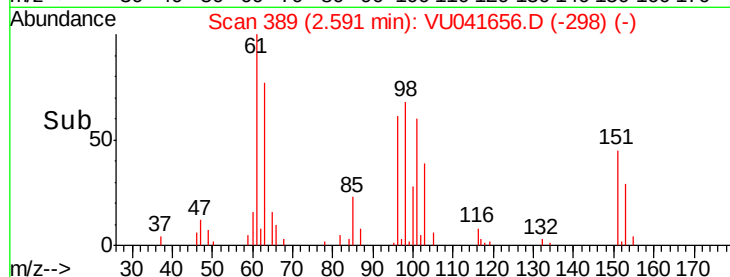
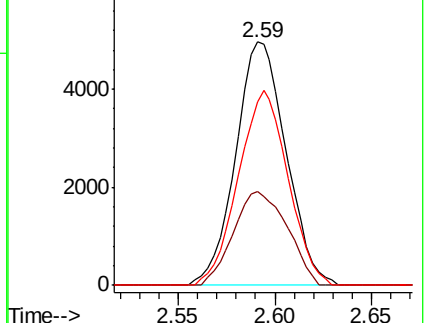
151 78.8 60.4 90.6



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: 4.914 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

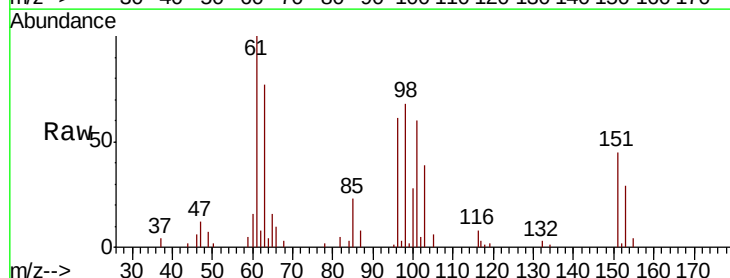
Tgt Ion: 96 Resp: 8598

Ion Ratio Lower Upper

96 100

61 163.9 114.3 212.3

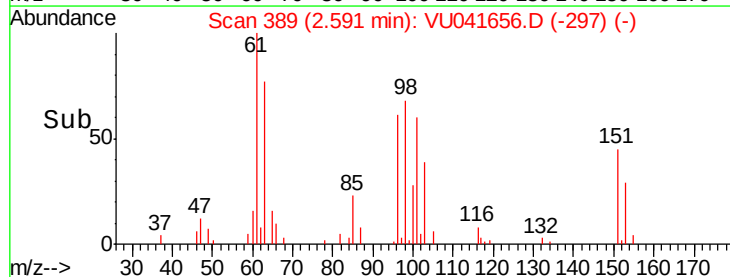
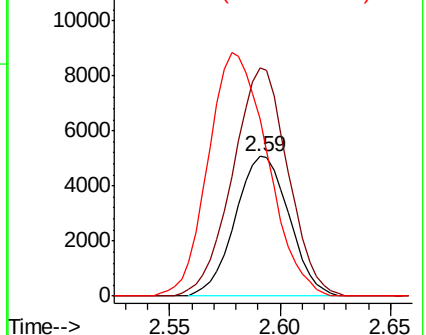
63 126.5 83.0 154.2

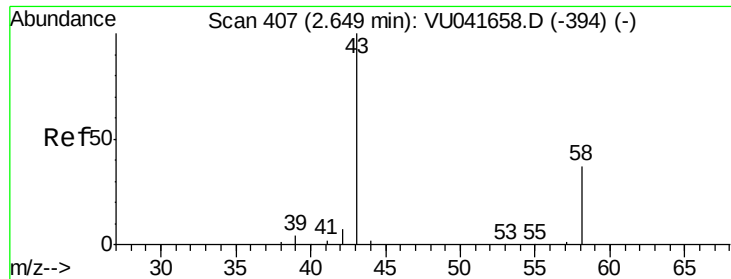


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.997 ug/L

RT: 2.65 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

Instrument :

MSVOA_U

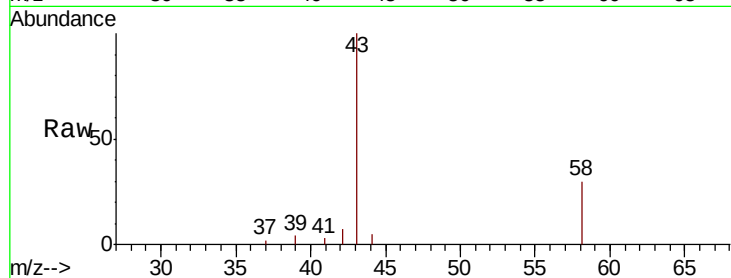
ClientSampleId :

Tot Ion: 43 Resp: 11907

Ion Ratio Lower Upper

43 100

58 33.3 0.0 70.8



Abundance Ion 43.00 (42.70 to 43.70): VU041656.D (-394) (-)

Ion 58.00 (57.70 to 58.70): VU041656.D (-394) (-)

2.65

6000

5000

4000

3000

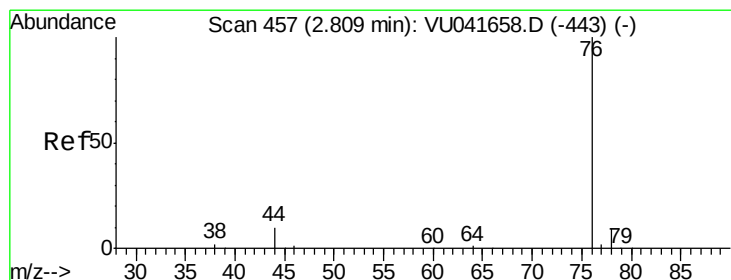
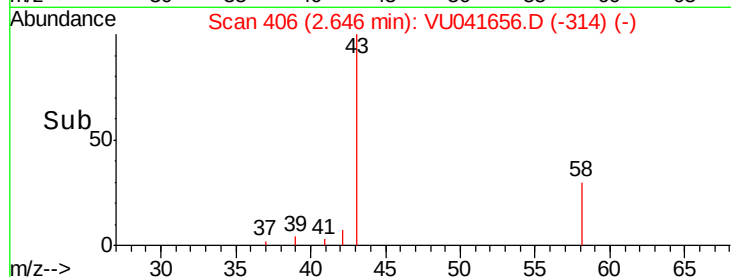
2000

1000

0

Time-->

2.60 2.65 2.70



#14

Carbon disulfide

Concen: 5.001 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041656.D

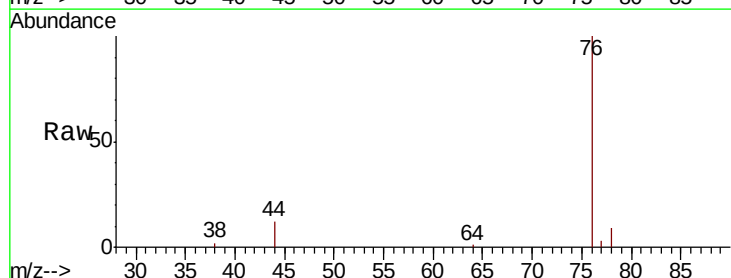
Acq: 16 Dec 2020 09:11

Tgt Ion: 76 Resp: 27800

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU041656.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VU041656.D (-364) (-)

2.81

15000

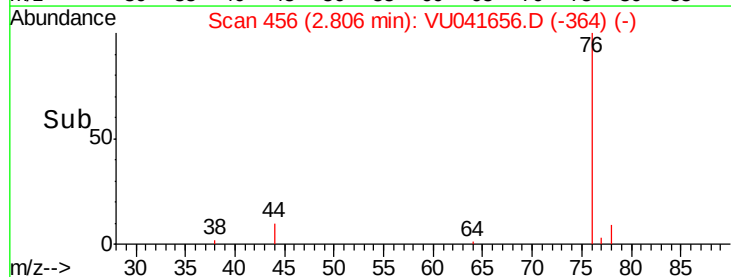
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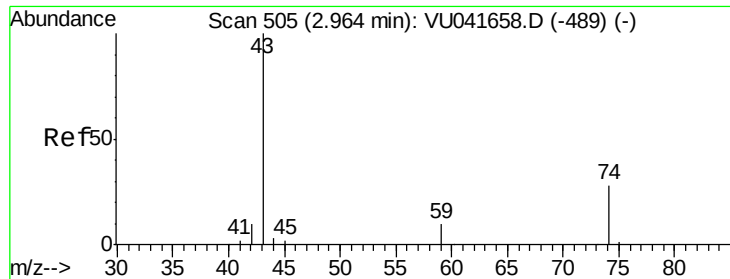
5000

0

Time-->

2.75 2.80 2.85

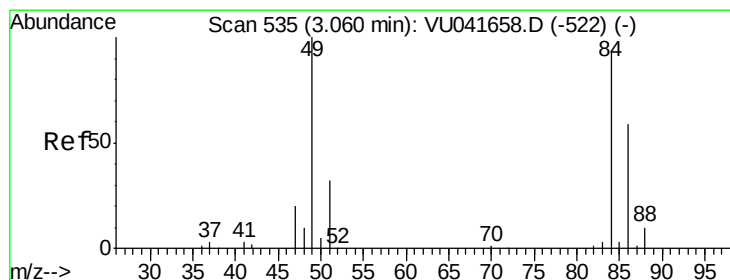
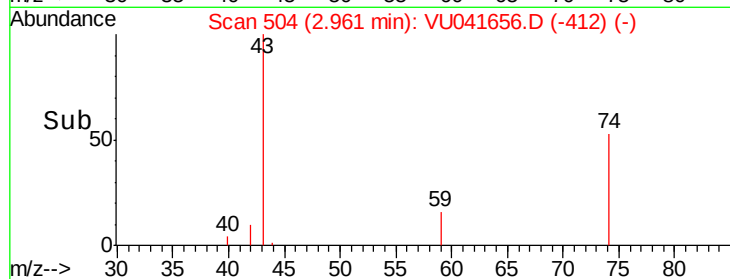
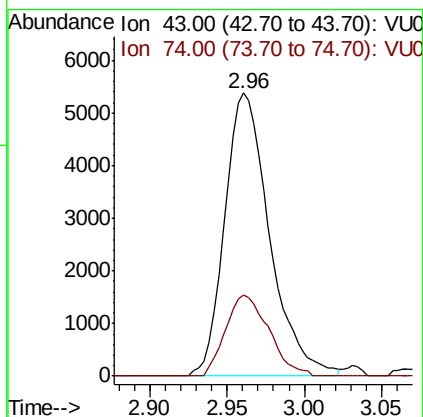
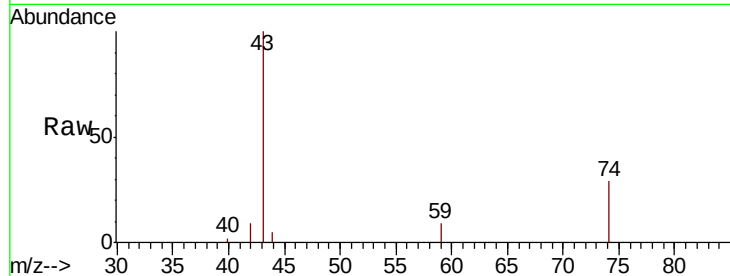




#15
Methvl Acetate
Concen: 4.104 ug/L
RT: 2.96 min Scan# 504
Delta R.T. -0.00 min
Lab File: VU041656.D
Acq: 16 Dec 2020 09:11

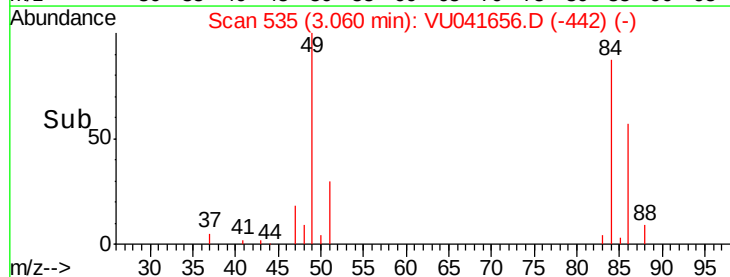
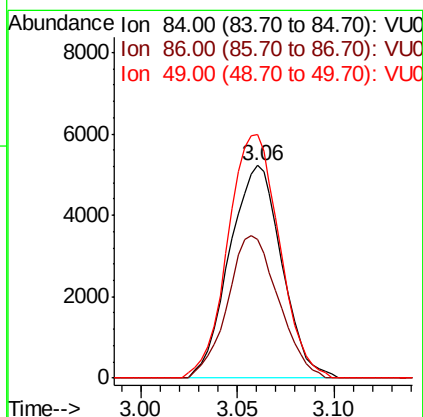
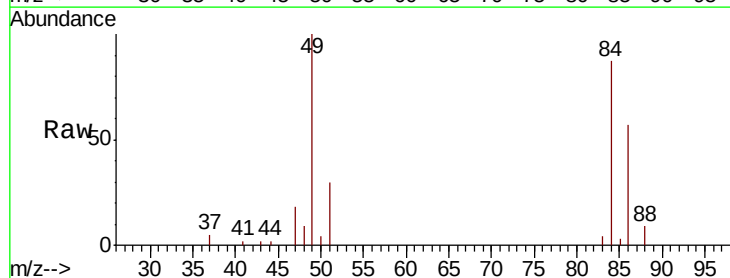
Instrument :
MSVOA_U
ClientSampled :

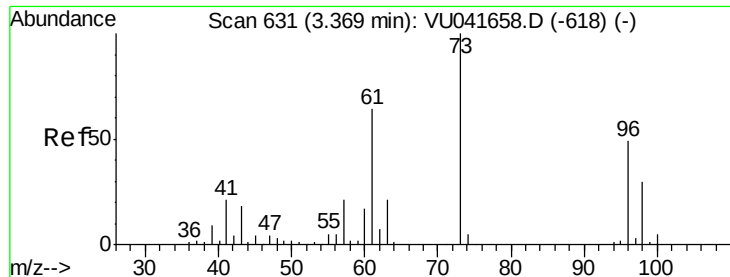
Tot Ion: 43 Resp: 10842
Ion Ratio Lower Upper
43 100
74 27.7 22.1 33.1



#16
Methylene chloride
Concen: 4.794 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041656.D
Acq: 16 Dec 2020 09:11

Tgt Ion: 84 Resp: 9847
Ion Ratio Lower Upper
84 100
86 65.0 44.0 81.6
49 114.4 75.0 139.4

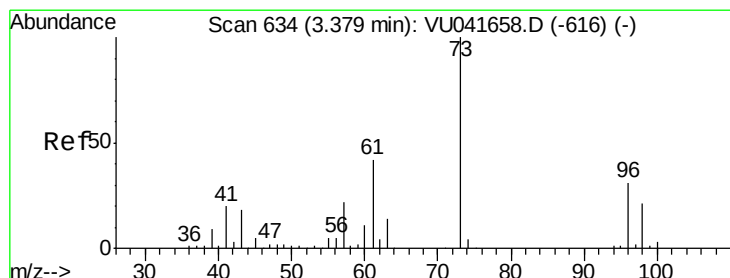
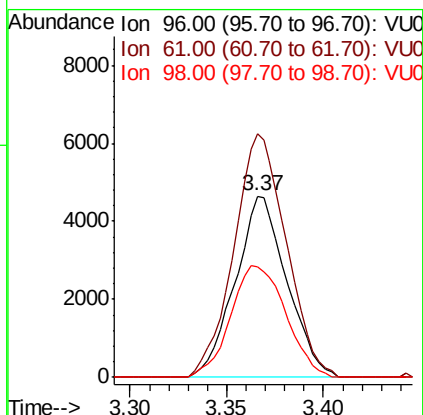
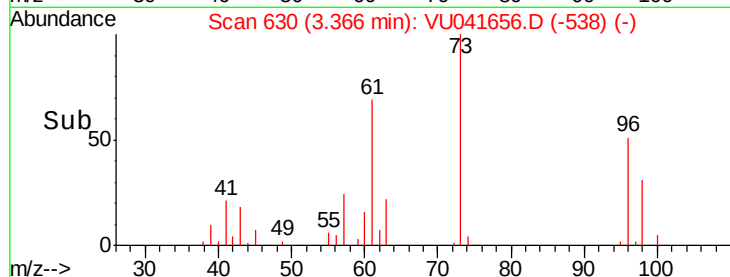
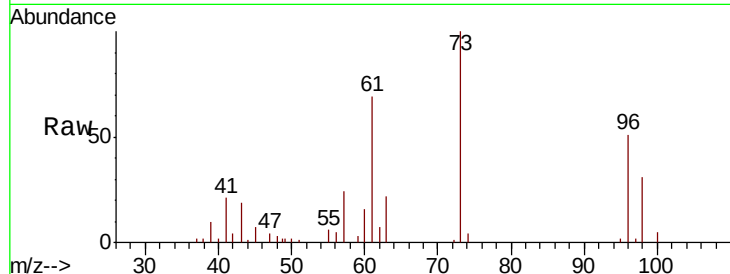




#17
trans-1,2-Dichloroethene
Concen: 4.772 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU041656.D
Acq: 16 Dec 2020 09:11

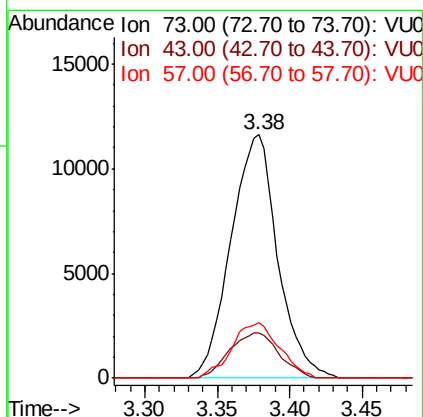
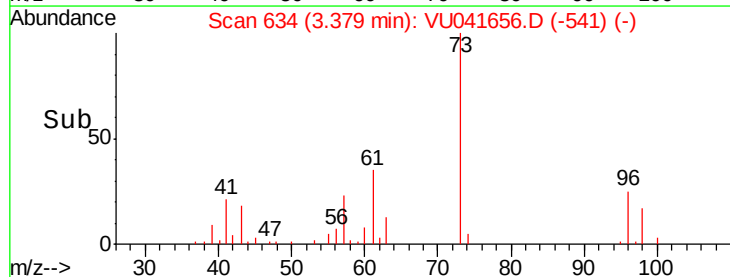
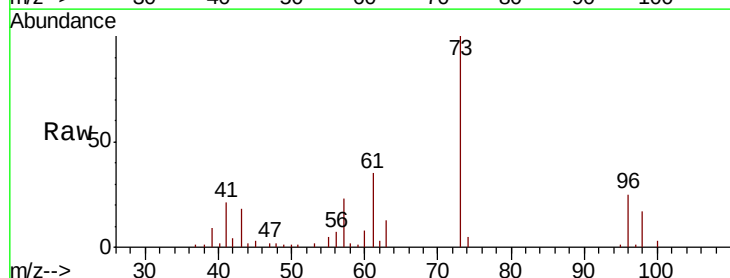
Instrument :
MSVOA_U
ClientSampleId :

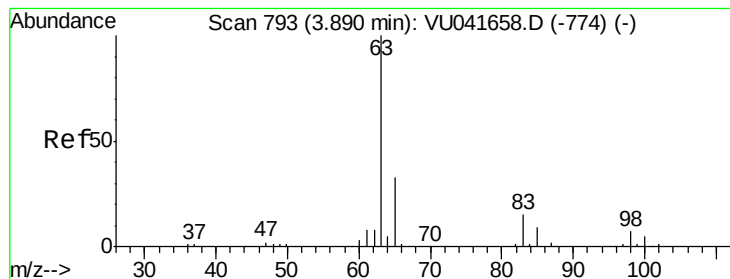
Tot Ion: 96 Resp: 8617
Ion Ratio Lower Upper
96 100
61 134.3 92.6 172.0
98 61.2 43.5 80.9



#18
Methyl tert-butyl Ether
Concen: 4.449 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041656.D
Acq: 16 Dec 2020 09:11

Tgt Ion: 73 Resp: 26047
Ion Ratio Lower Upper
73 100
43 19.6 14.8 22.2
57 22.9 17.0 25.6





#19

1,1-Dichloroethane

Concen: 4.375 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

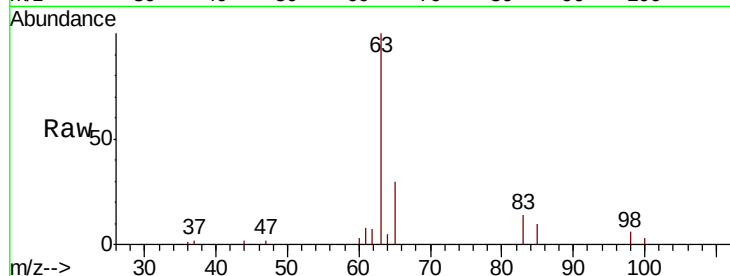
Tot Ion: 63 Resp: 16176

Ion Ratio Lower Upper

63 100

65 30.3 22.9 42.5

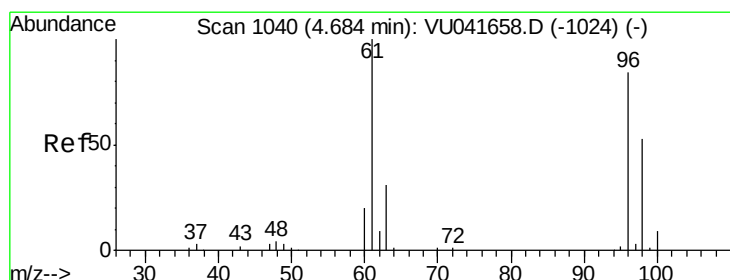
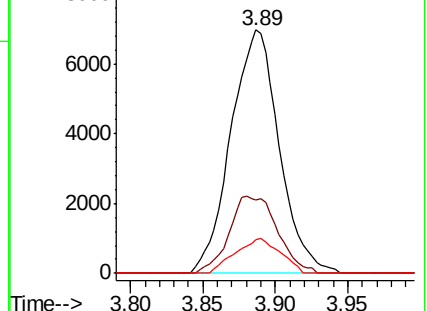
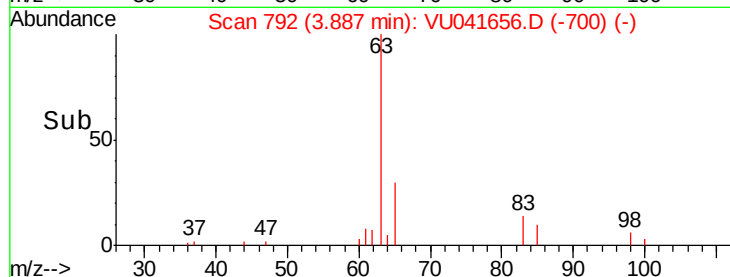
83 13.9 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VU041656.D (-700) (-)

Ion 65.00 (64.70 to 65.70): VU041656.D (-700) (-)

Ion 83.00 (82.70 to 83.70): VU041656.D (-700) (-)



#20

cis-1,2-Dichloroethene

Concen: 4.730 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

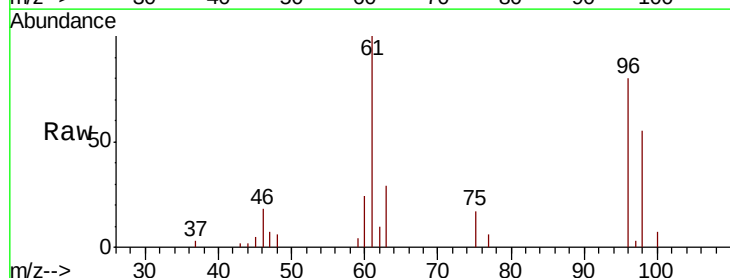
Tgt Ion: 96 Resp: 9355

Ion Ratio Lower Upper

96 100

61 125.5 83.7 155.5

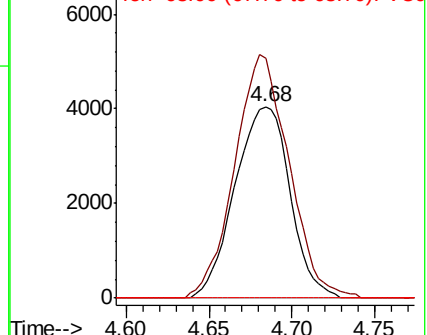
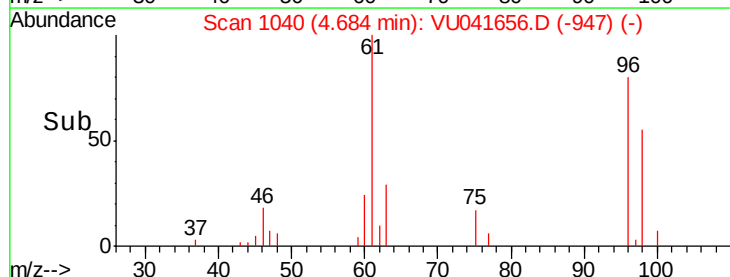
68 0.0 0.0 0.0

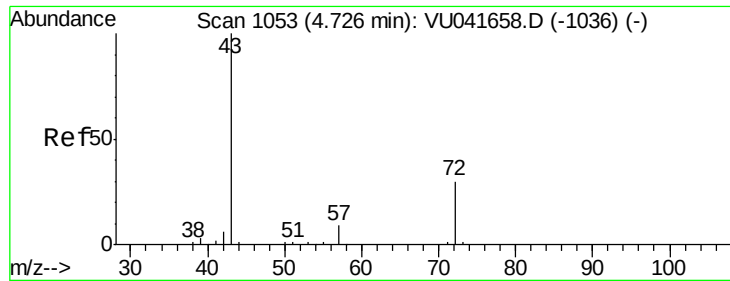


Abundance Ion 96.00 (95.70 to 96.70): VU041656.D (-947) (-)

Ion 61.00 (60.70 to 61.70): VU041656.D (-947) (-)

Ion 68.00 (67.70 to 68.70): VU041656.D (-947) (-)





#22

2-Butanone

Concen: 7.431 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

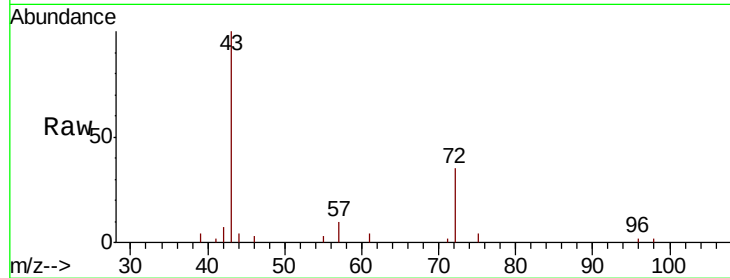
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 15284

Ion Ratio Lower Upper

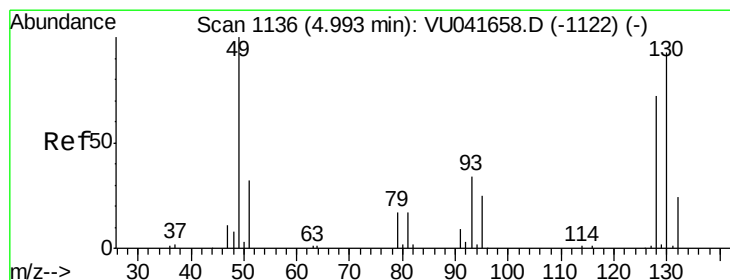
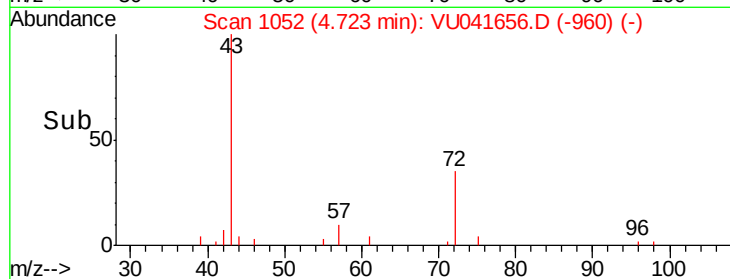
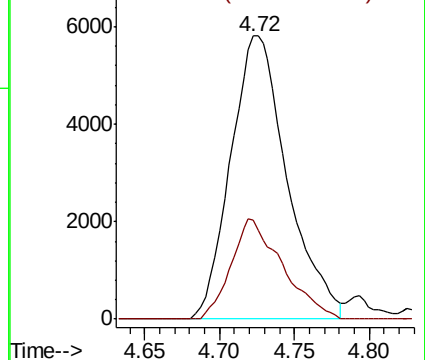
43 100

72 32.2 15.6 46.8



Abundance Ion 43.00 (42.70 to 43.70): VU041656.D (-960) (-)

Ion 72.00 (71.70 to 72.70): VU041656.D (-960) (-)



#23

Bromochloromethane

Concen: 4.950 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

Tgt Ion: 128 Resp: 5172

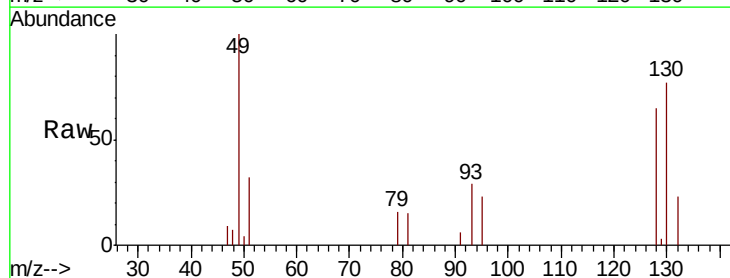
Ion Ratio Lower Upper

128 100

49 152.7 97.9 181.9

130 118.1 90.9 168.9

51 48.8 35.9 53.9

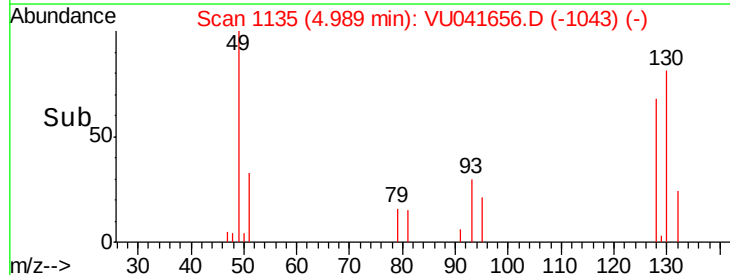
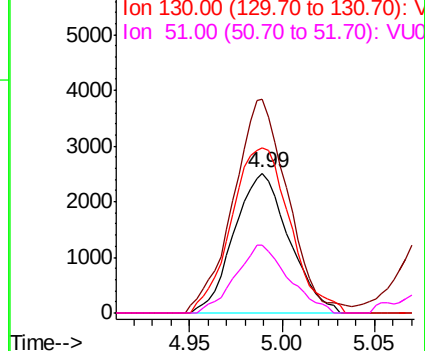


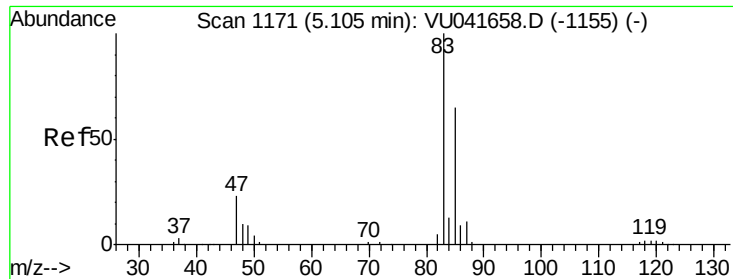
Abundance Ion 128.00 (127.70 to 128.70): VU041656.D (-1043) (-)

Ion 49.00 (48.70 to 49.70): VU041656.D (-1043) (-)

Ion 130.00 (129.70 to 130.70): VU041656.D (-1043) (-)

Ion 51.00 (50.70 to 51.70): VU041656.D (-1043) (-)

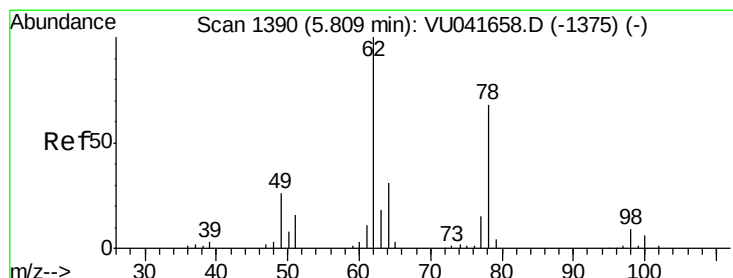
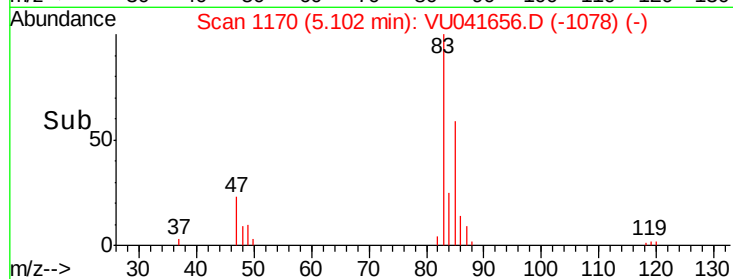
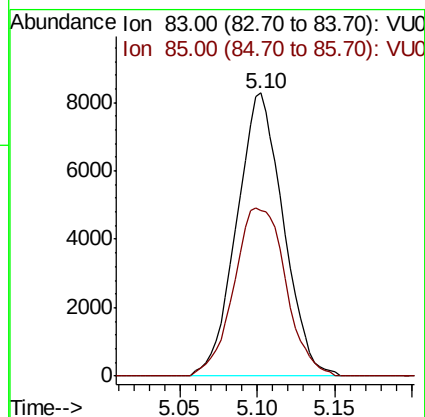
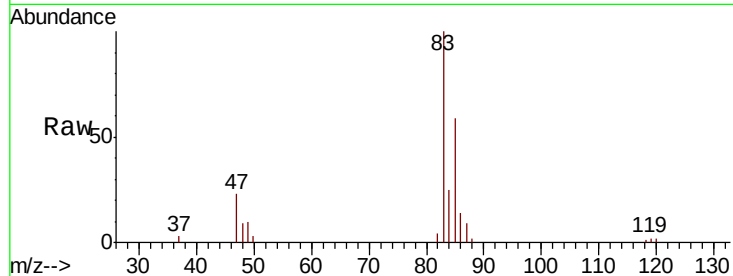




#25
Chloroform
Concen: 4.620 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041656.D
Acq: 16 Dec 2020 09:11

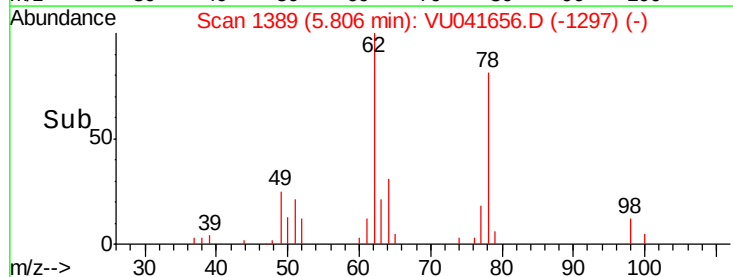
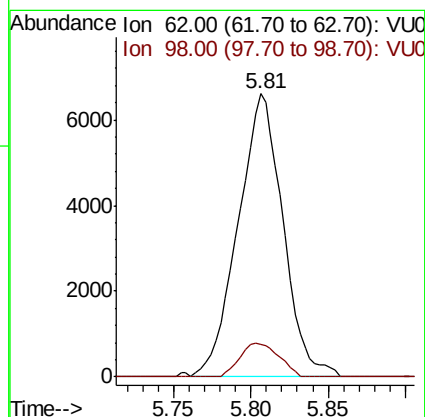
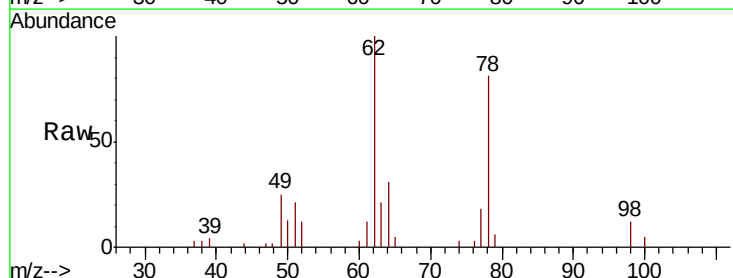
Instrument :
MSVOA_U
ClientSampled :

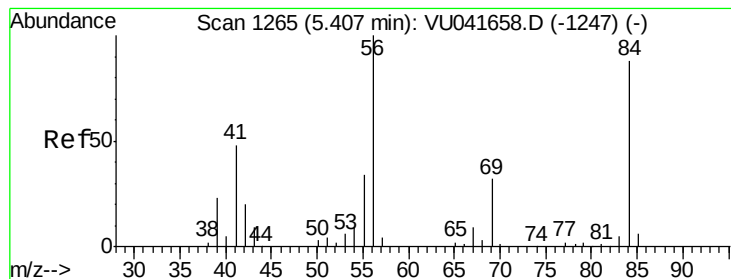
Tot Ion: 83 Resp: 17350
Ion Ratio Lower Upper
83 100
85 58.7 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.229 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041656.D
Acq: 16 Dec 2020 09:11

Tgt Ion: 62 Resp: 13355
Ion Ratio Lower Upper
62 100
98 11.7 7.1 10.7#





#29

Cyclohexane

Concen: 4.033 ug/L

RT: 5.40 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampleId :

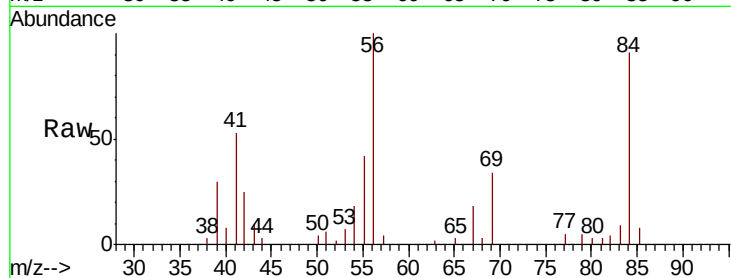
Tot Ion: 56 Resp: 12290

Ion Ratio Lower Upper

56 100

69 32.7 25.0 37.6

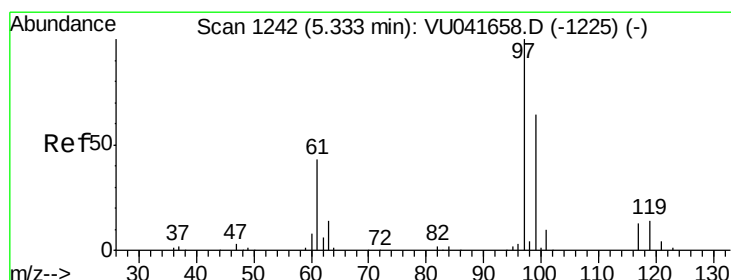
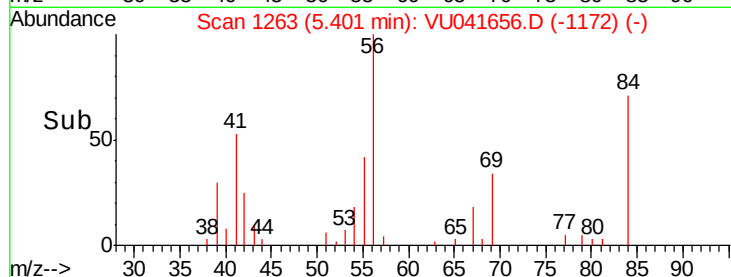
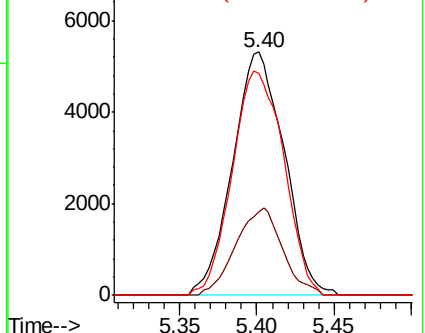
84 92.0 72.6 109.0



Abundance Ion 56.00 (55.70 to 56.70): VU041658.D (-1247) (-)

Ion 69.00 (68.70 to 69.70): VU041658.D (-1247) (-)

Ion 84.00 (83.70 to 84.70): VU041658.D (-1247) (-)



#30

1,1,1-Trichloroethane

Concen: 5.356 ug/L

RT: 5.33 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

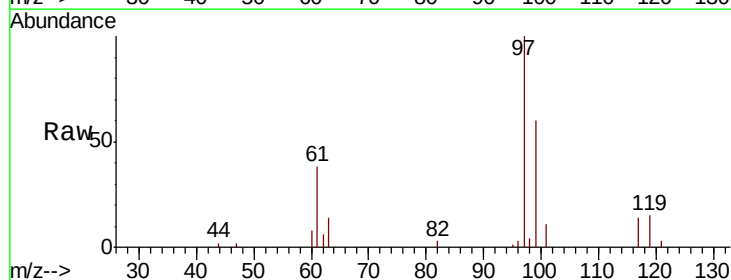
Tgt Ion: 97 Resp: 15819

Ion Ratio Lower Upper

97 100

99 65.4 50.9 76.3

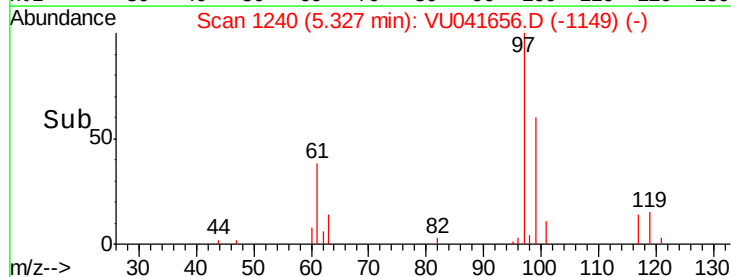
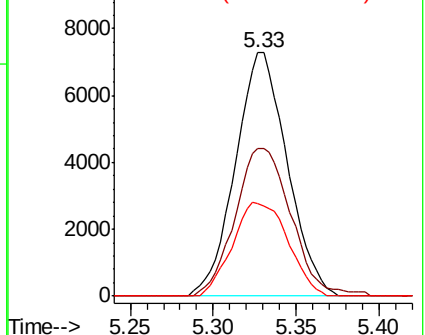
61 41.1 33.4 50.0

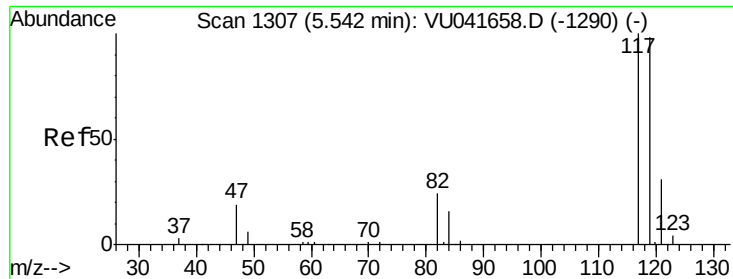


Abundance Ion 97.00 (96.70 to 97.70): VU041658.D (-1225) (-)

Ion 99.00 (98.70 to 99.70): VU041658.D (-1225) (-)

Ion 61.05 (60.75 to 61.75): VU041658.D (-1225) (-)





#31

Carbon tetrachloride

Concen: 5.187 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

Instrument :

MSVOA_U

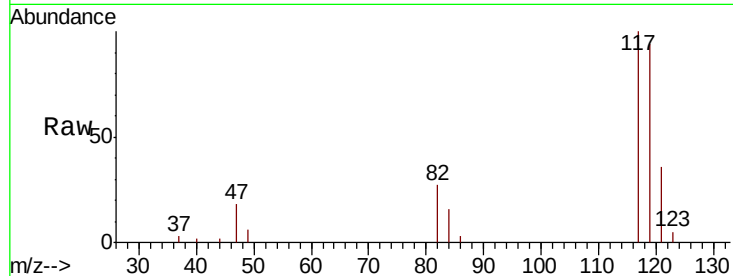
ClientSampleId :

Tot Ion:117 Resp: 13299

Ion Ratio Lower Upper

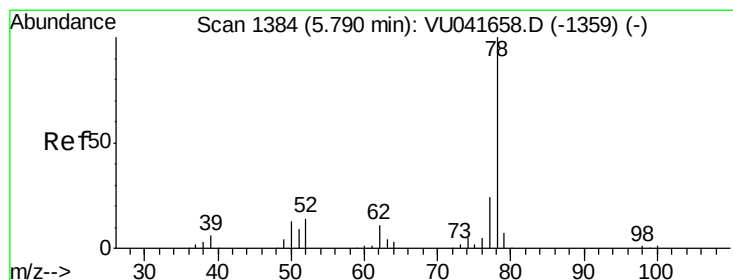
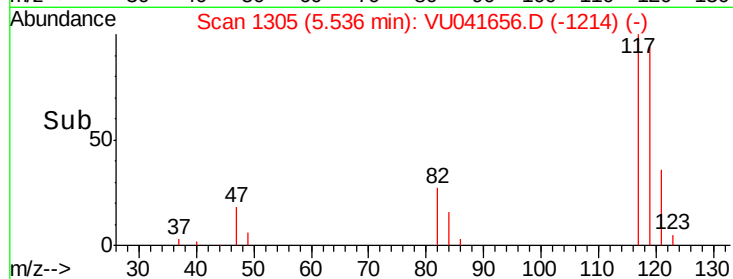
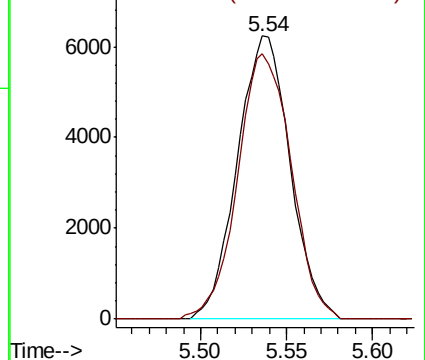
117 100

119 95.4 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.141 ug/L

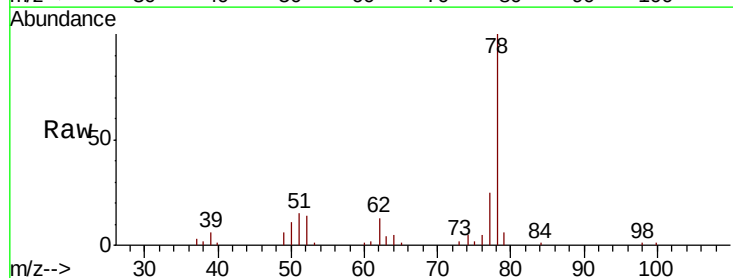
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

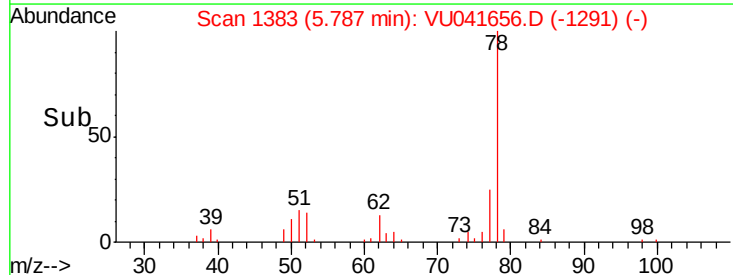
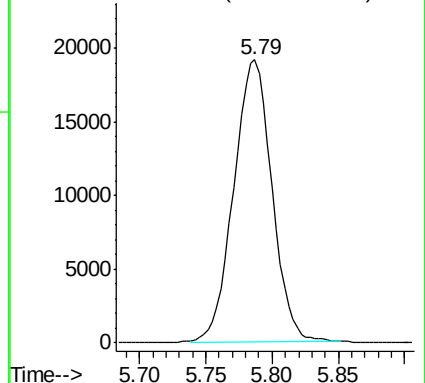
Lab File: VU041656.D

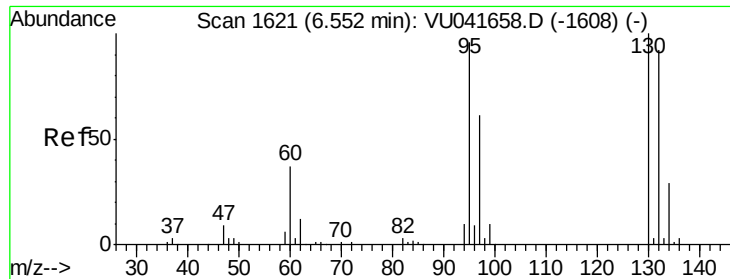
Acq: 16 Dec 2020 09:11

Tgt Ion: 78 Resp: 38400



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 4.940 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 9553

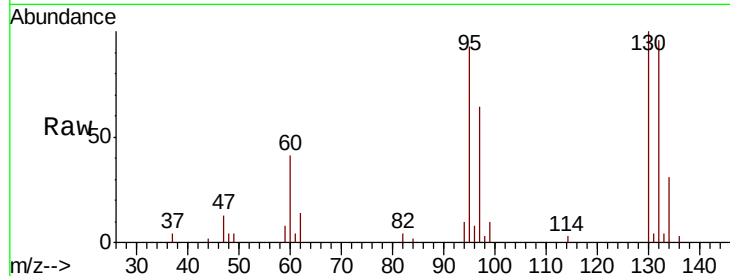
Ion Ratio Lower Upper

95 100

97 69.0 44.5 82.7

132 102.9 66.7 123.9

130 107.5 72.5 134.7

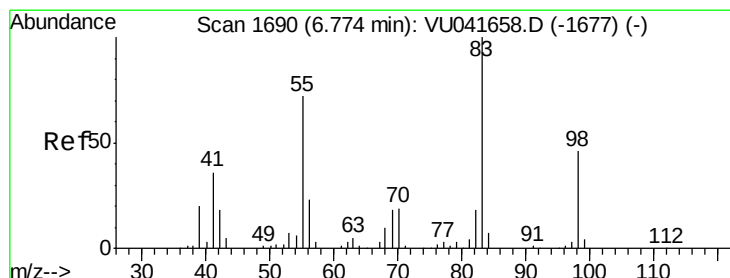
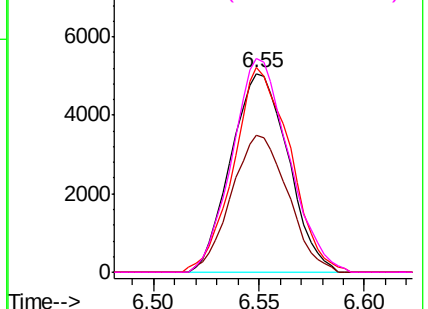
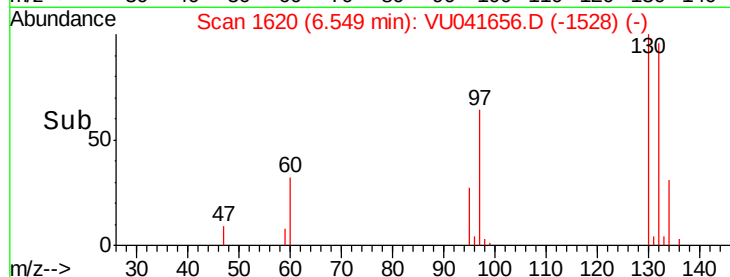


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.829 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

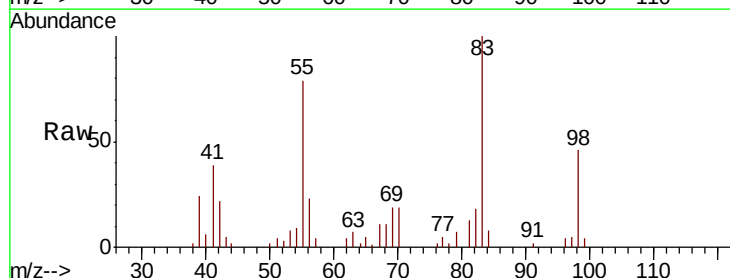
Tgt Ion: 83 Resp: 14369

Ion Ratio Lower Upper

83 100

55 74.6 57.8 86.6

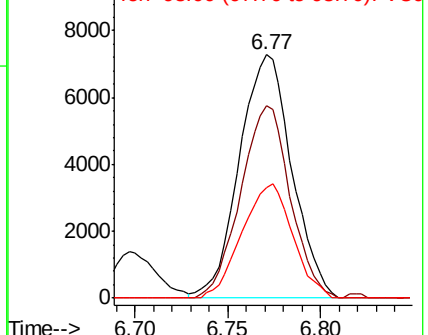
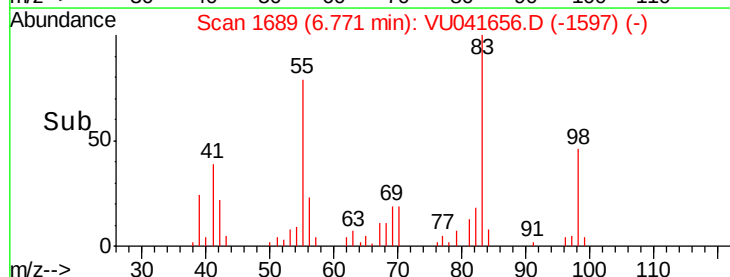
98 45.3 37.7 56.5

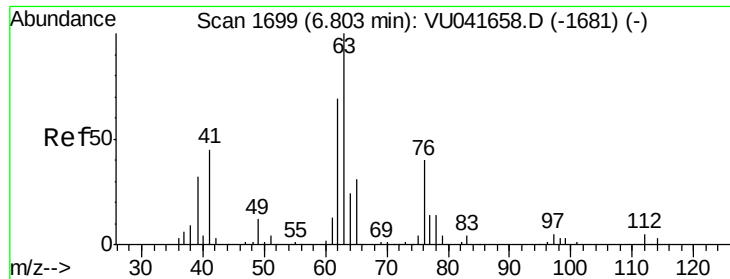


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

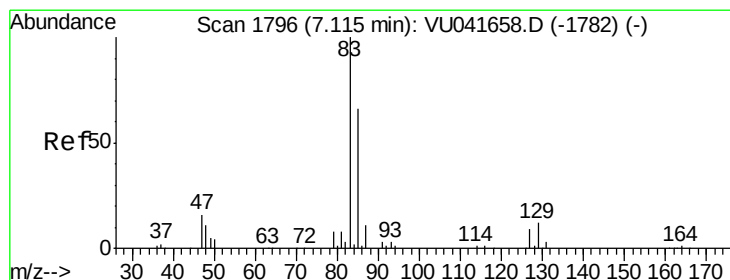
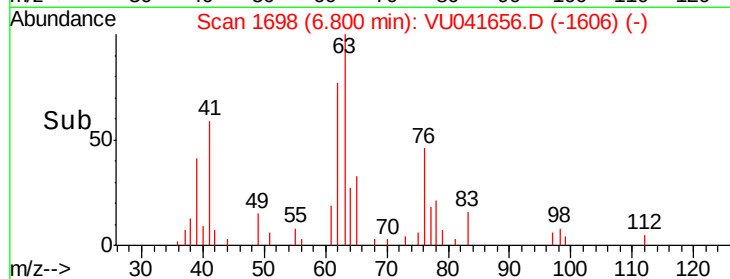
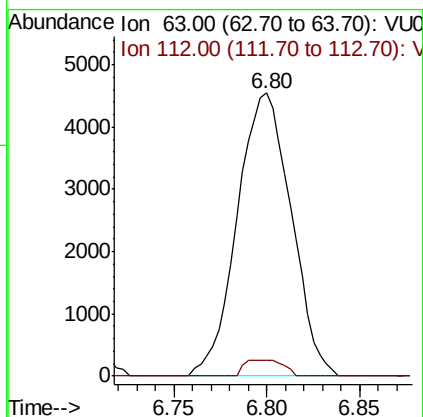
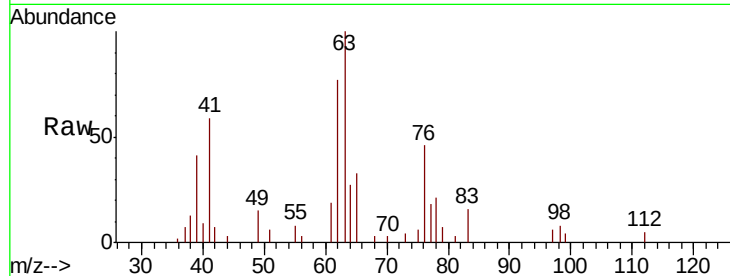




#37
 1,2-Dichloropropane
 Concen: 4.439 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041656.D
 Acq: 16 Dec 2020 09:11

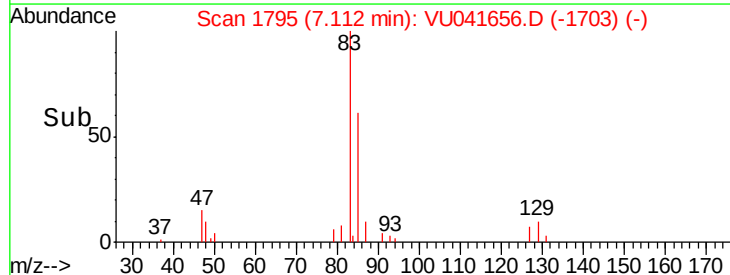
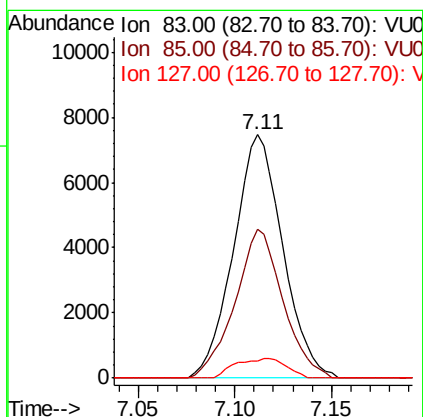
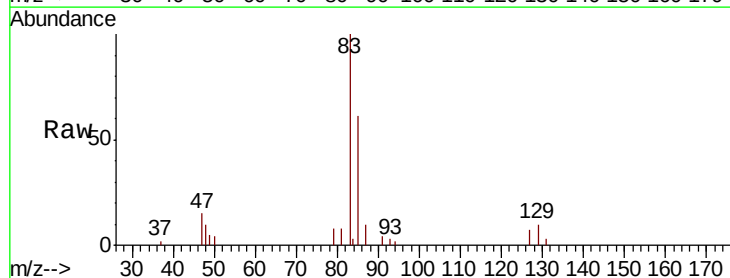
Instrument :
 MSVOA_U
 ClientSampled :

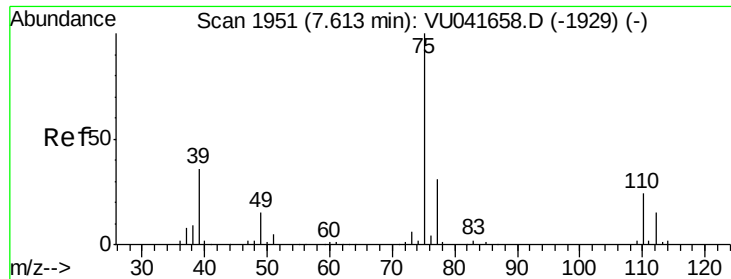
Tot Ion: 63 Resp: 9204
 Ion Ratio Lower Upper
 63 100
 112 2.5 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 4.985 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU041656.D
 Acq: 16 Dec 2020 09:11

Tgt Ion: 83 Resp: 13198
 Ion Ratio Lower Upper
 83 100
 85 61.1 45.9 85.3
 127 7.2 7.5 11.3#

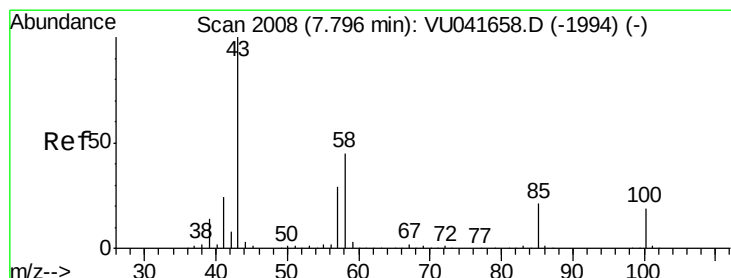
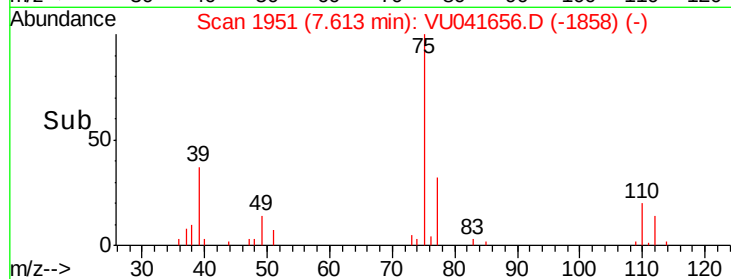
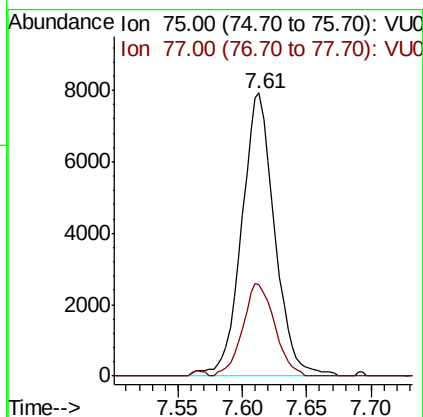
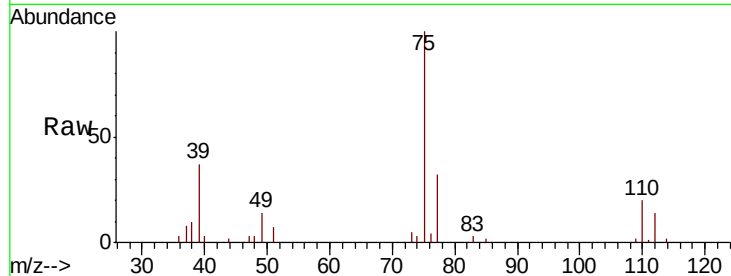




#39
 cis-1,3-Dichloropropene
 Concen: 4.677 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041656.D
 Acq: 16 Dec 2020 09:11

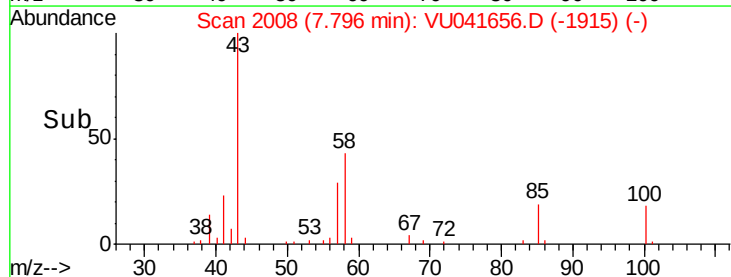
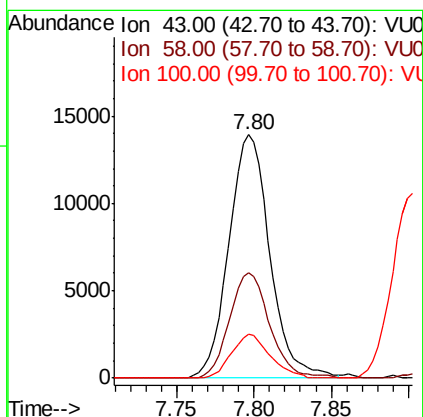
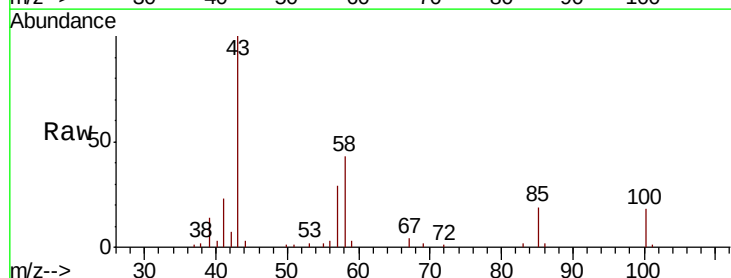
Instrument :
 MSVOA_U
 ClientSampleId :

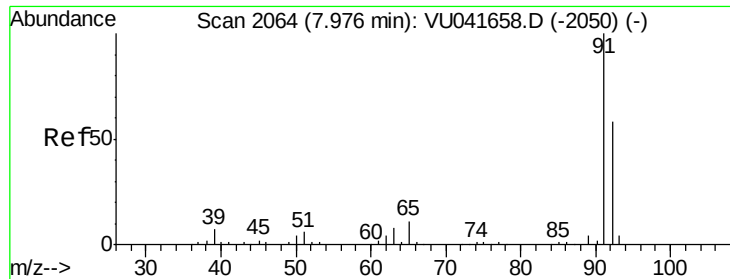
Tot Ion: 75 Resp: 14139
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 7.862 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU041656.D
 Acq: 16 Dec 2020 09:11

Tgt Ion: 43 Resp: 25616
 Ion Ratio Lower Upper
 43 100
 58 42.3 36.1 54.1
 100 16.9 14.9 22.3





#42

Toluene

Concen: 4.865 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

Instrument :

MSVOA_U

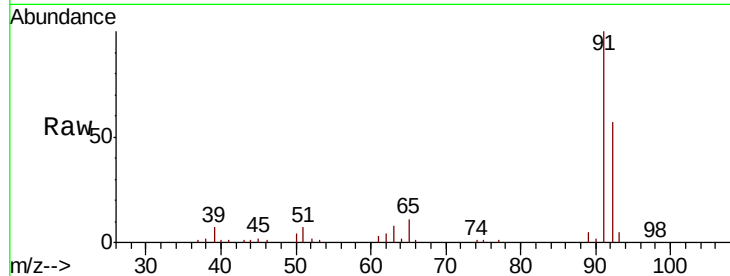
ClientSampleId :

Tot Ion: 91 Resp: 37201

Ion Ratio Lower Upper

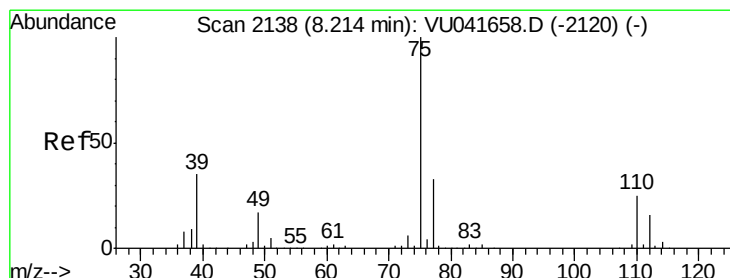
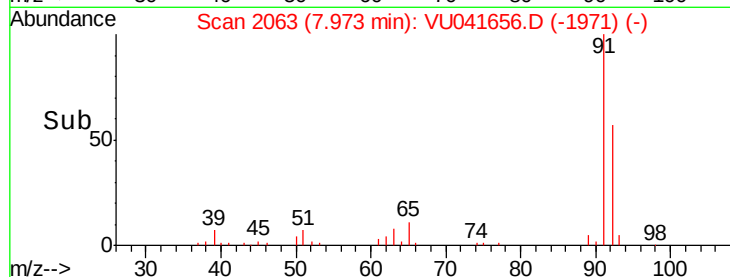
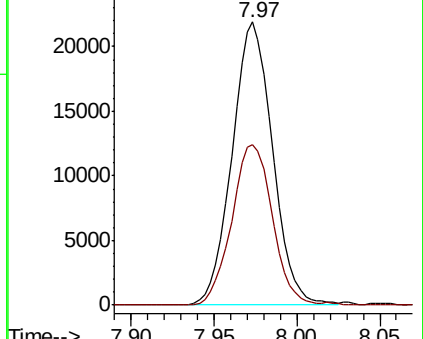
91 100

92 56.7 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU041656.D (-1971) (-)

Ion 92.00 (91.70 to 92.70): VU041656.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.381 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041656.D

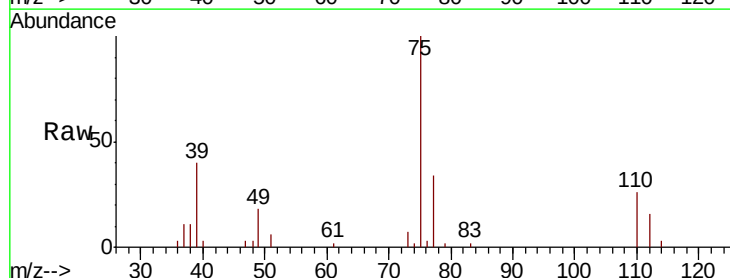
Acq: 16 Dec 2020 09:11

Tgt Ion: 75 Resp: 13354

Ion Ratio Lower Upper

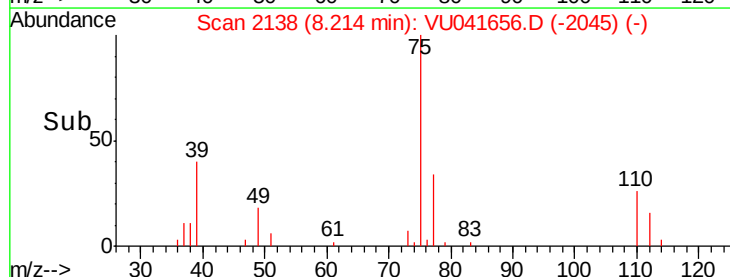
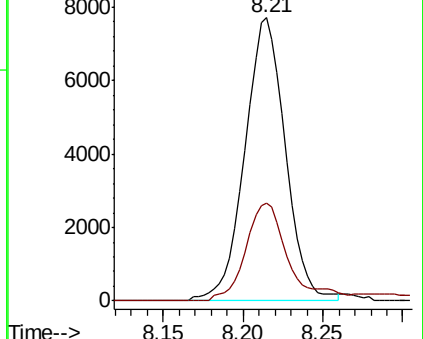
75 100

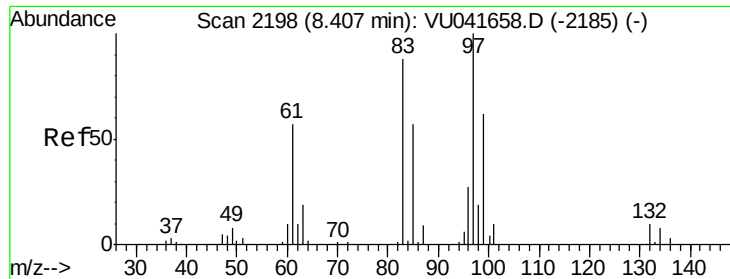
77 34.5 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VU041656.D (-2045) (-)

Ion 77.00 (76.70 to 77.70): VU041656.D (-2045) (-)

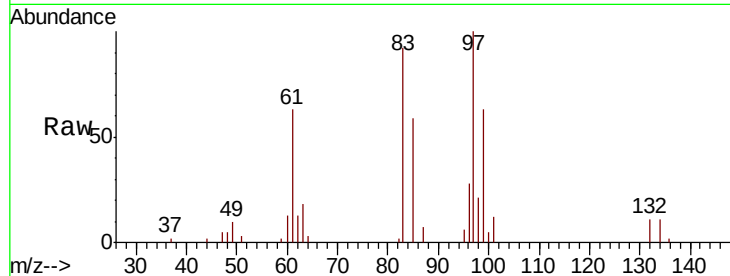




#45
1,1,2-Trichloroethane
Concen: 5.080 ug/L
RT: 8.40 min Scan# 2196
Delta R.T. -0.01 min
Lab File: VU041656.D
Acq: 16 Dec 2020 09:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	9390
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.3	80.3
83	92.1	61.4	114.0
85	58.6	40.0	74.4



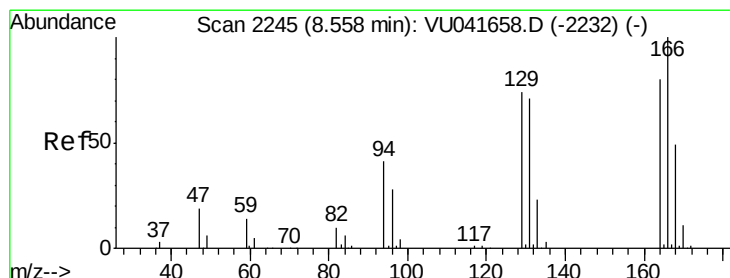
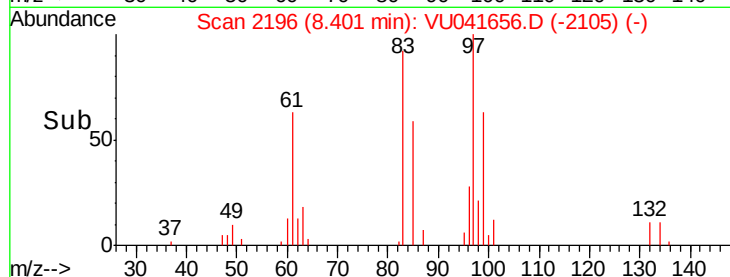
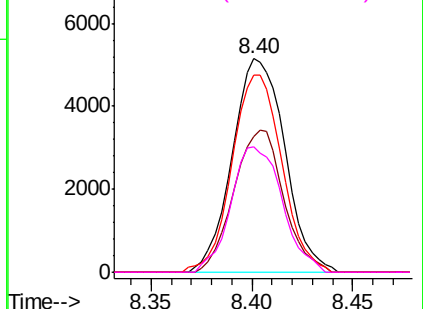
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

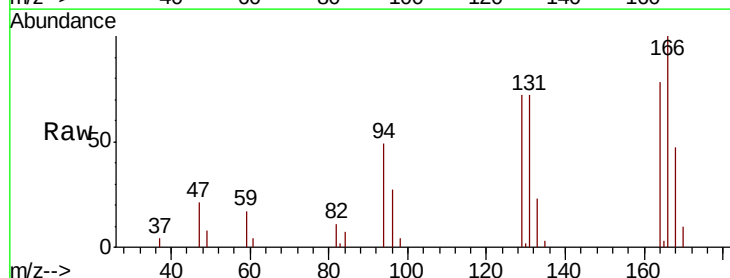
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
Tetrachloroethene
Concen: 5.340 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041656.D
Acq: 16 Dec 2020 09:11

Tgt Ion:	164	Resp:	7452
Ion	Ratio	Lower	Upper
164	100		
129	91.9	64.5	119.9
131	91.3	62.5	116.1
166	127.6	87.5	162.5



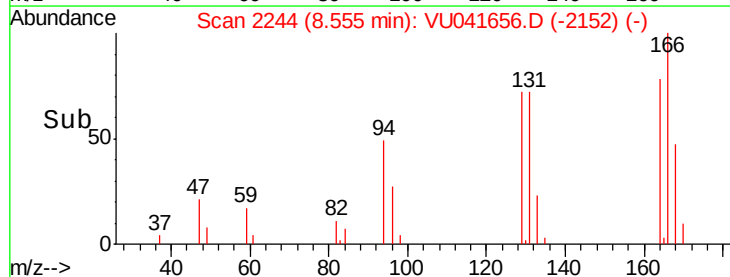
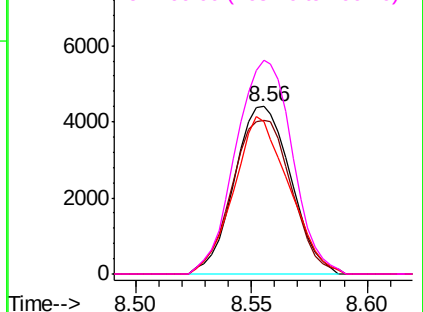
Abundance

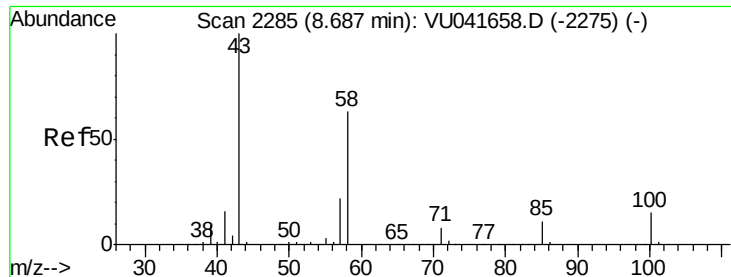
Ion 164.00 (163.70 to 164.70): V

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

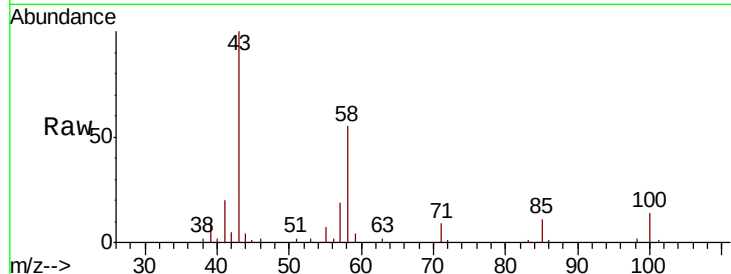




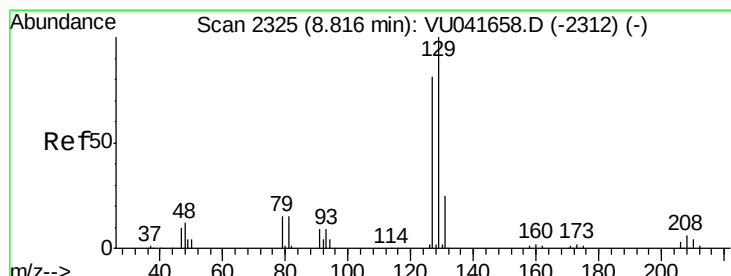
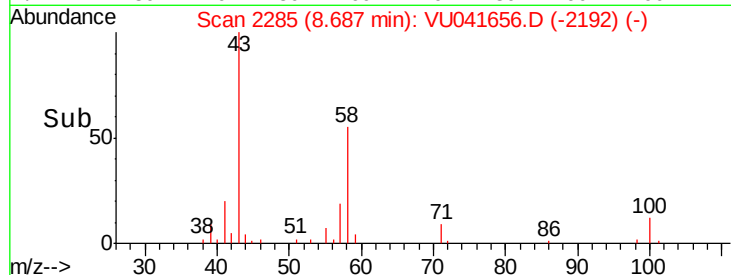
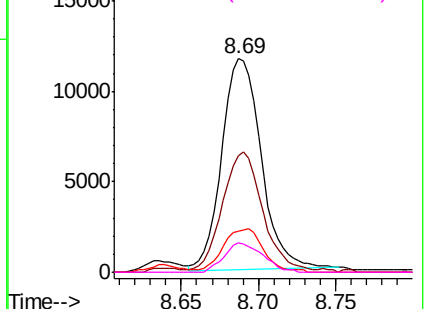
#48
2-Hexanone
Concen: 7.934 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VU041656.D
Acq: 16 Dec 2020 09:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 20691
Ion Ratio Lower Upper
43 100
58 58.4 50.4 75.6
57 21.1 17.9 26.9
100 13.5 11.9 17.9

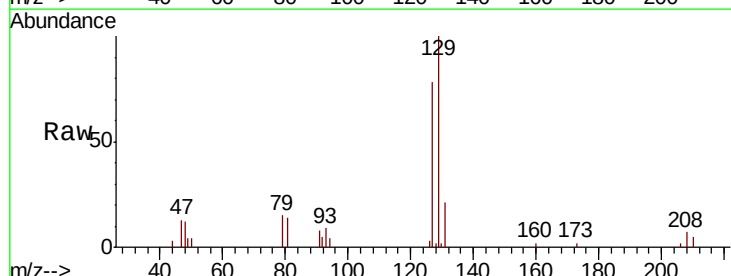


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

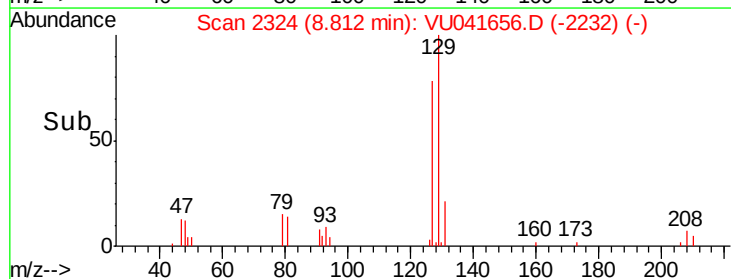
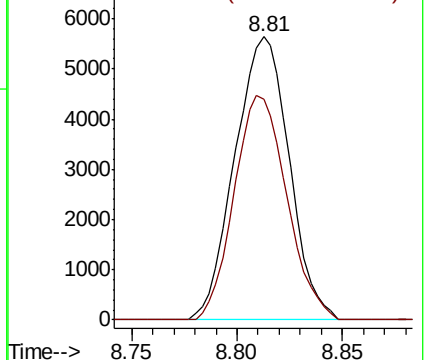


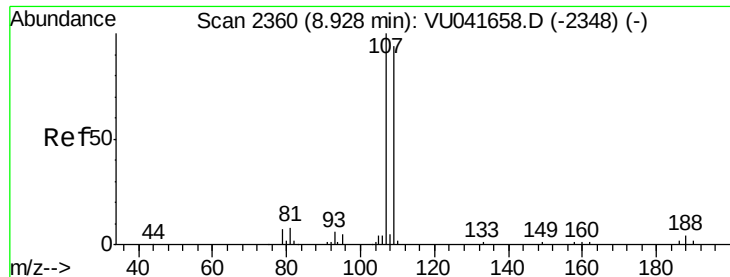
#49
Dibromochloromethane
Concen: 4.999 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041656.D
Acq: 16 Dec 2020 09:11

Tgt Ion: 129 Resp: 10110
Ion Ratio Lower Upper
129 100
127 78.0 56.6 105.2



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

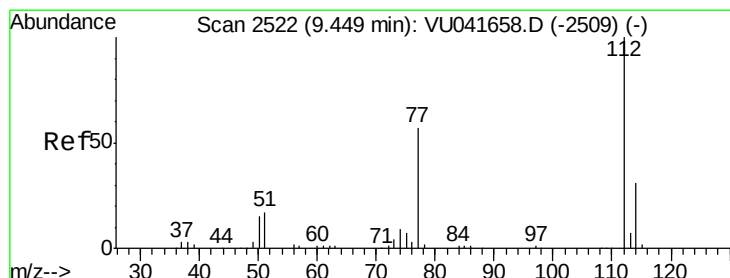
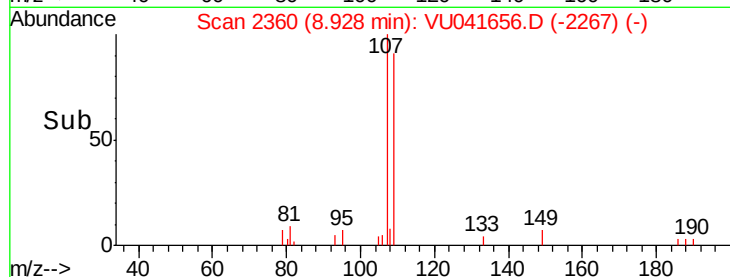
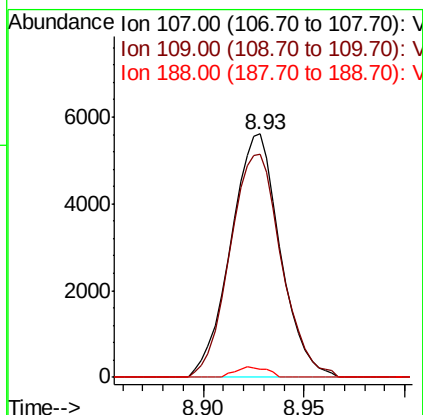
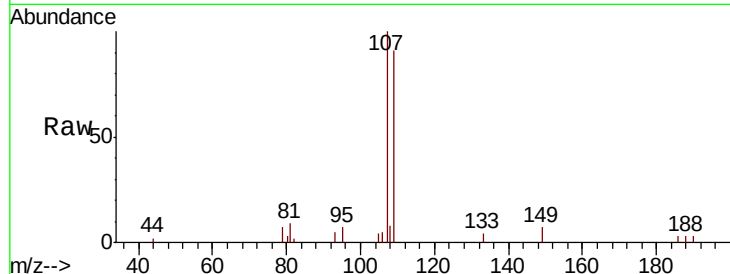




#50
 1,2-Dibromoethane
 Concen: 4.884 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041656.D
 Acq: 16 Dec 2020 09:11

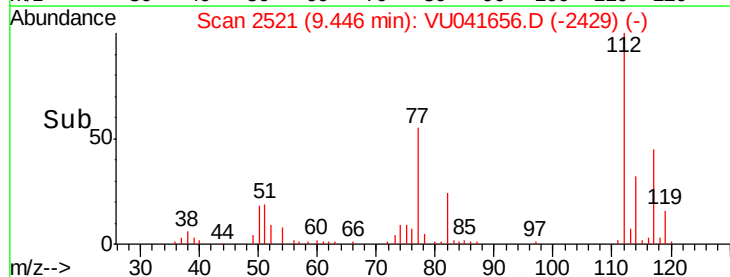
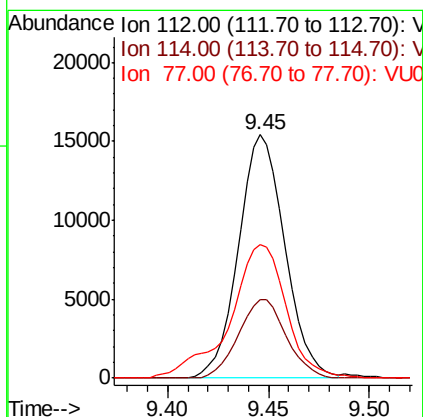
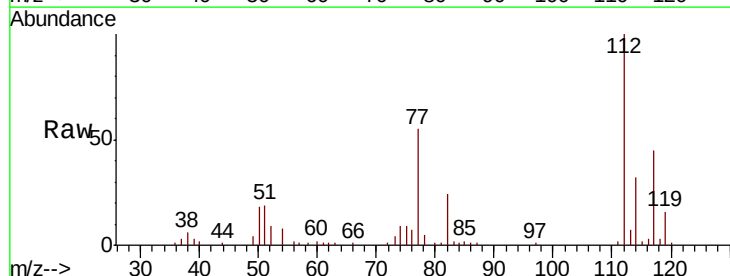
Instrument :
 MSVOA_U
 ClientSampleId :

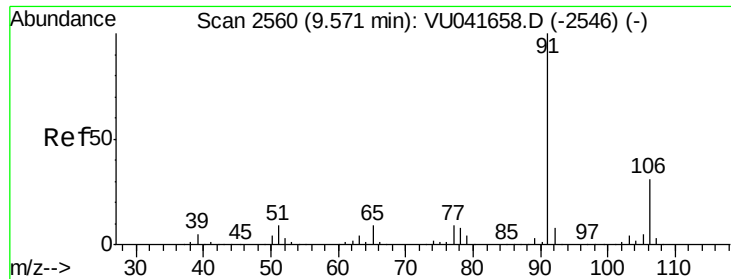
Tot Ion:107 Resp: 9633
 Ion Ratio Lower Upper
 107 100
 109 91.4 65.7 122.1
 188 3.3 2.9 4.3



#51
 Chlorobenzene
 Concen: 4.944 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU041656.D
 Acq: 16 Dec 2020 09:11

Tgt Ion:112 Resp: 24805
 Ion Ratio Lower Upper
 112 100
 114 32.3 22.0 41.0
 77 54.9 46.0 69.0





#52

Ethylbenzene

Concen: 4.614 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

Instrument :

MSVOA_U

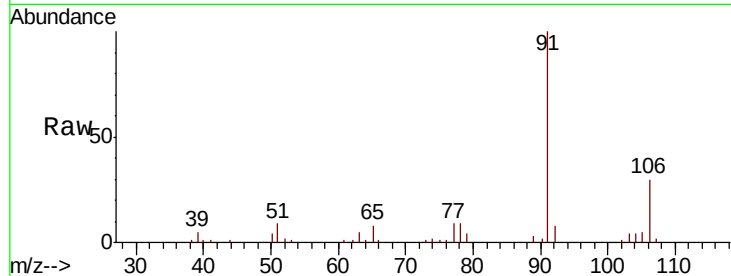
ClientSampleId :

Tot Ion: 91 Resp: 38760

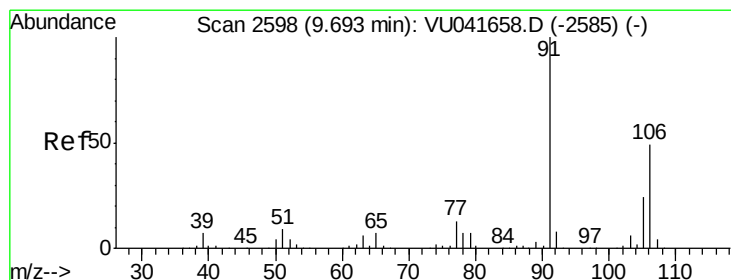
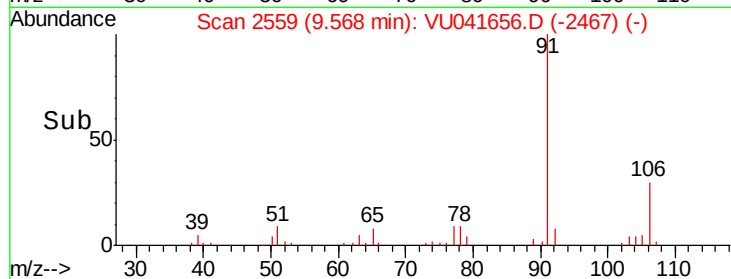
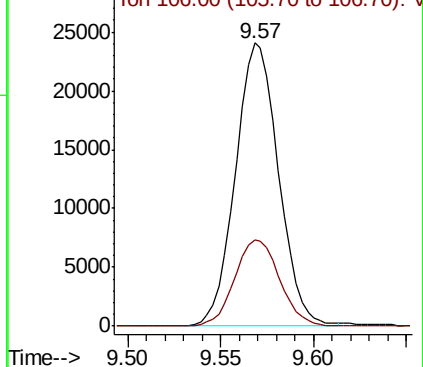
Ion Ratio Lower Upper

91 100

106 30.4 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU041656.D (-2559) (-)



#53

m,p-Xylene

Concen: 4.615 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041656.D

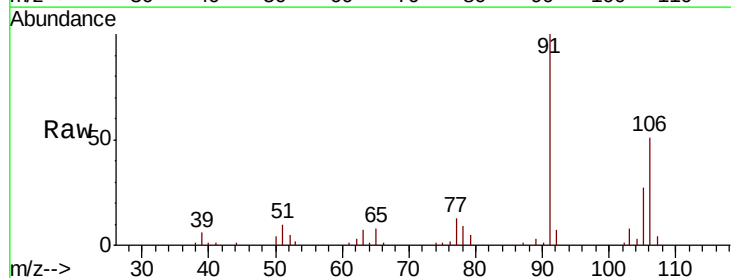
Acq: 16 Dec 2020 09:11

Tgt Ion: 106 Resp: 14237

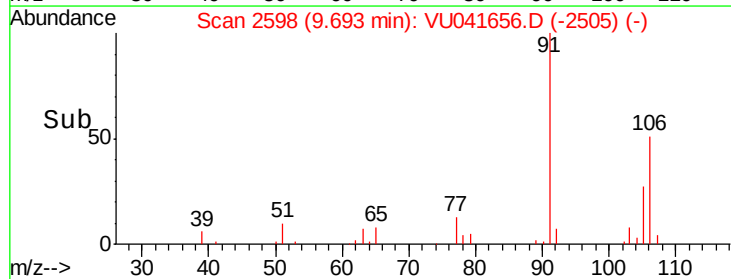
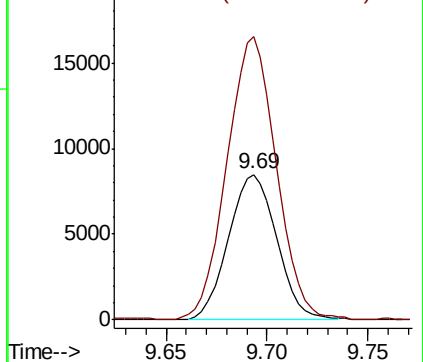
Ion Ratio Lower Upper

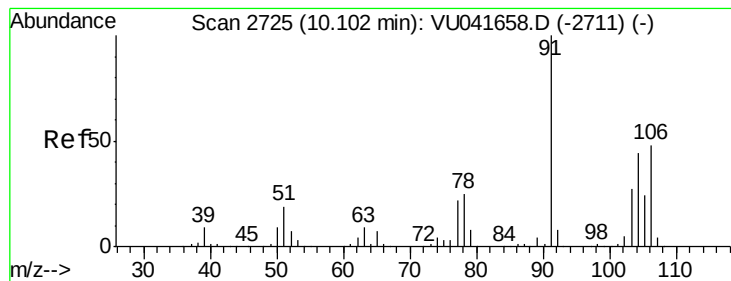
106 100

91 194.9 143.2 266.0



Abundance Ion 106.00 (105.70 to 106.70): VU041656.D (-2598) (-)





#54

o-xylene

Concen: 4.552 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

Instrument :

MSVOA_U

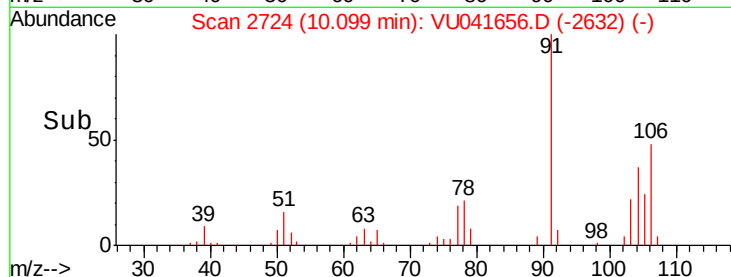
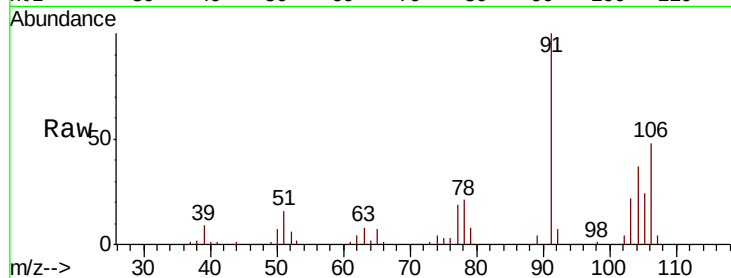
ClientSampled :

Tot Ion:106 Resp: 13732

Ion Ratio Lower Upper

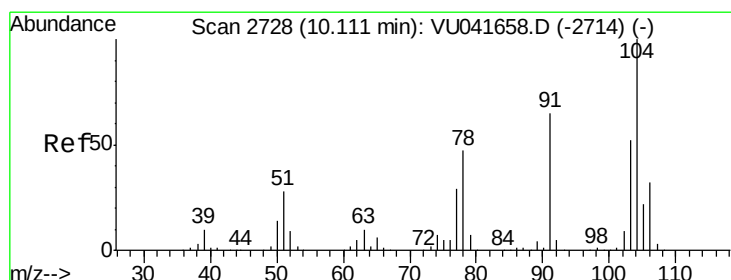
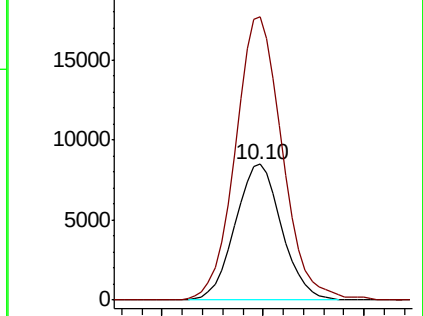
106 100

91 208.0 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 4.334 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. 0.00 min

Lab File: VU041656.D

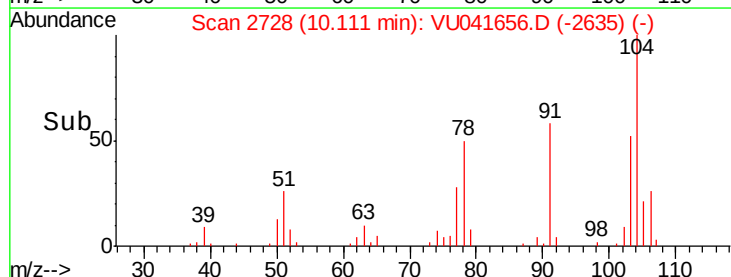
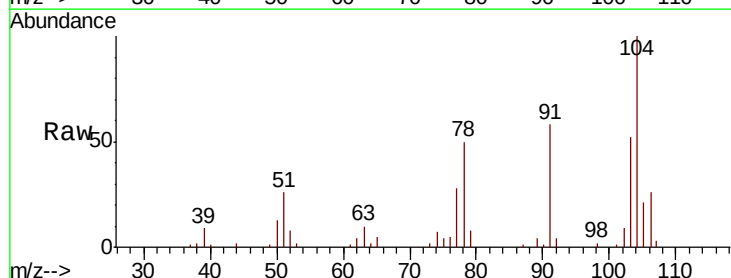
Acq: 16 Dec 2020 09:11

Tgt Ion:104 Resp: 22256

Ion Ratio Lower Upper

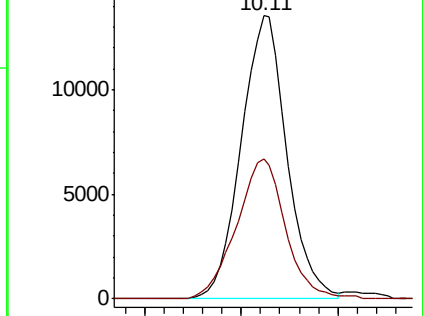
104 100

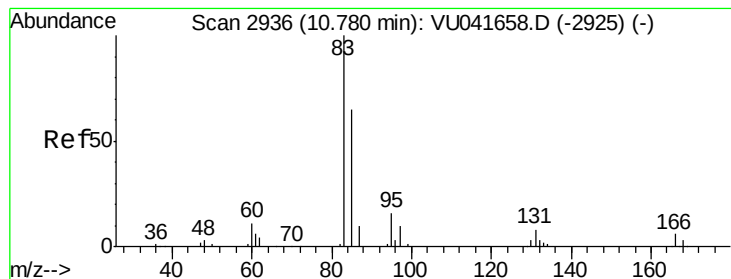
78 49.6 33.1 61.5



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: 5.010 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampled :

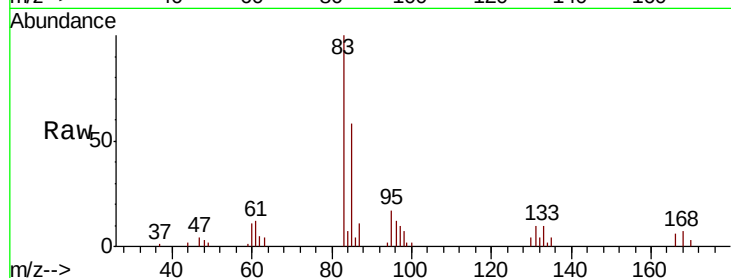
Tot Ion: 83 Resp: 16122

Ion Ratio Lower Upper

83 100

85 57.9 46.1 85.7

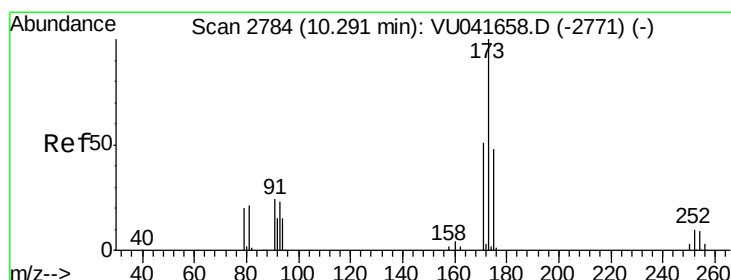
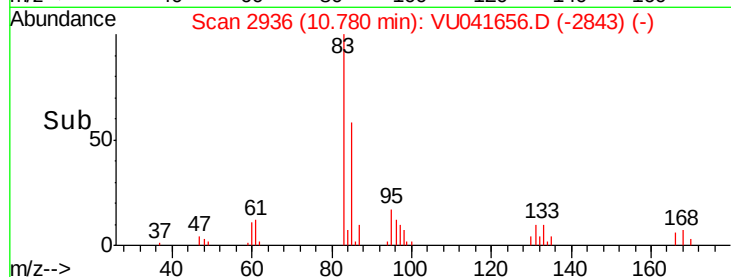
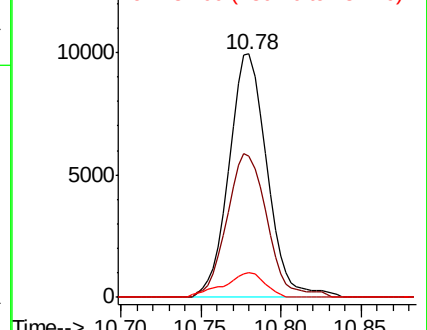
131 10.4 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VU041656.D (-2925) (-)

Ion 85.00 (84.70 to 85.70): VU041656.D (-2925) (-)

Ion 131.00 (130.70 to 131.70): VU041656.D (-2925) (-)



#59

Bromoform

Concen: 5.681 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

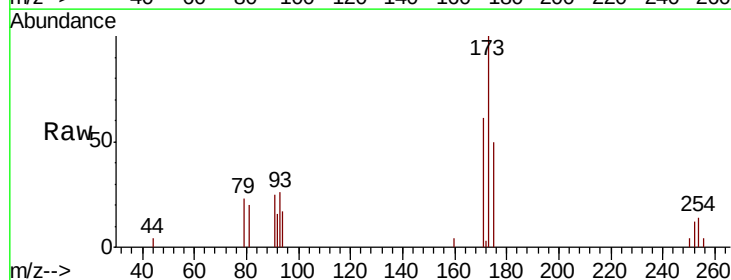
Tgt Ion: 173 Resp: 7246

Ion Ratio Lower Upper

173 100

175 46.0 38.3 57.5

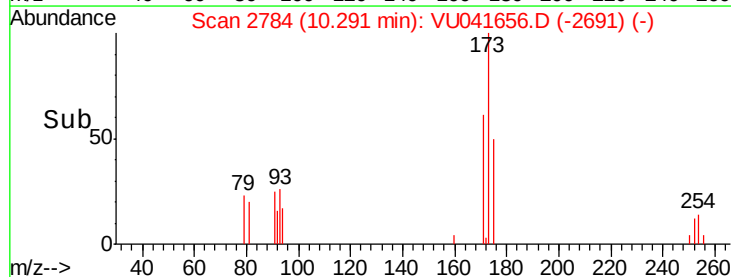
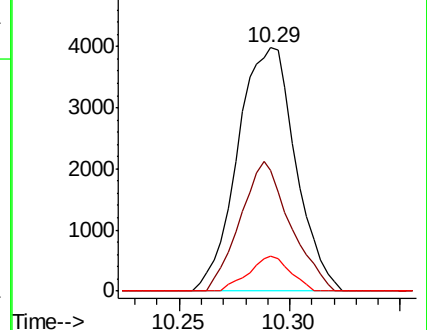
254 10.2 7.6 11.4

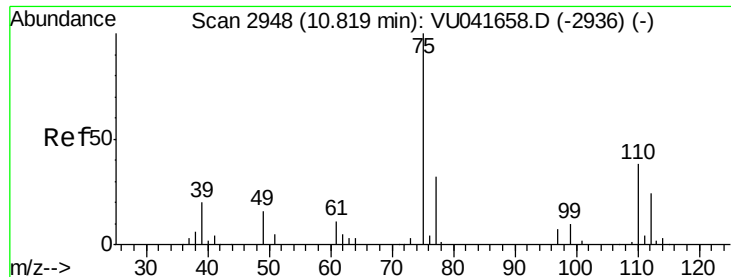


Abundance Ion 173.00 (172.70 to 173.70): VU041656.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VU041656.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VU041656.D (-2691) (-)

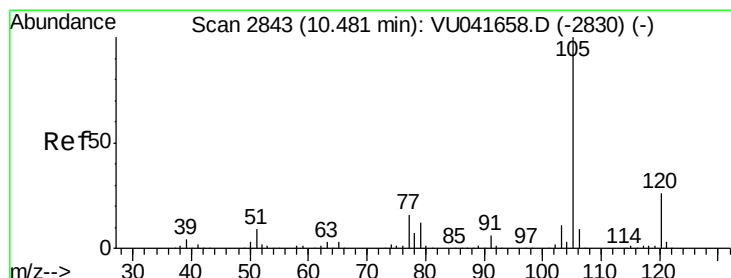
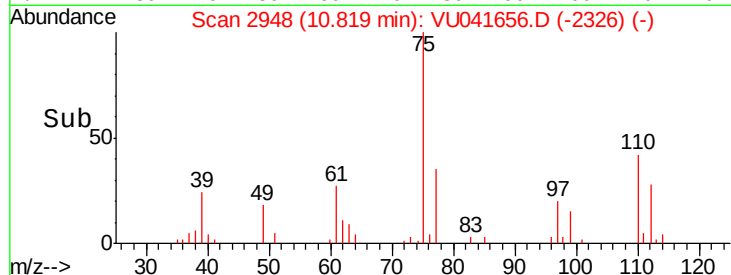
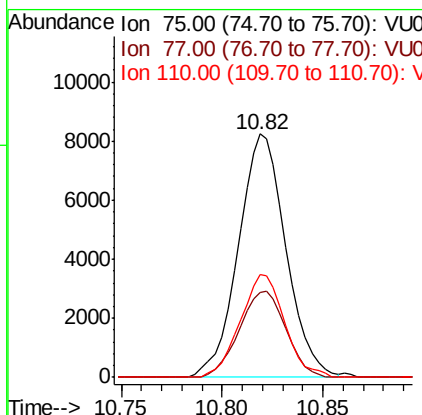
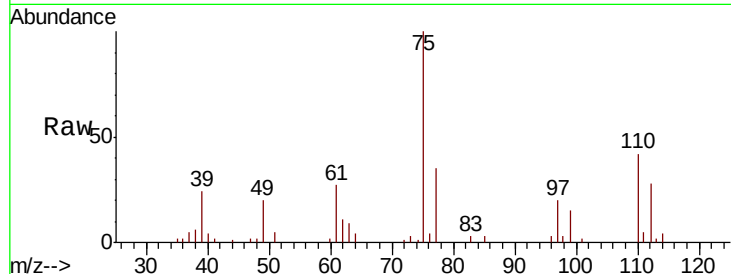




#60
 1,2,3-Trichloropropane
 Concen: 5.603 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. 0.00 min
 Lab File: VU041656.D
 Acq: 16 Dec 2020 09:11

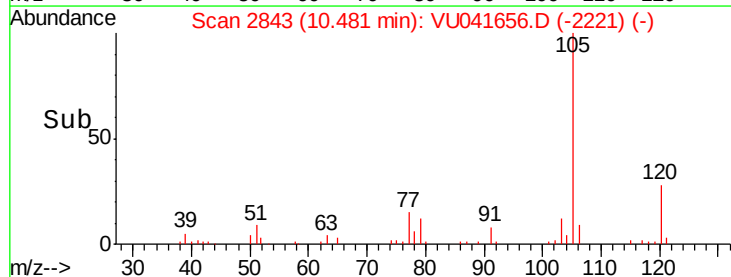
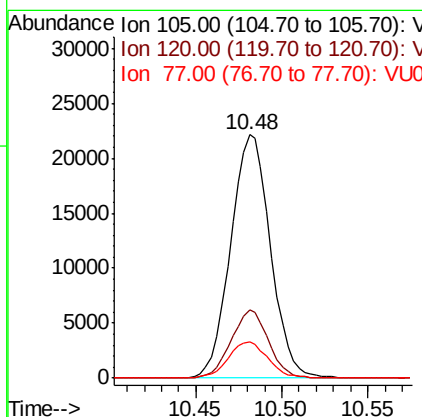
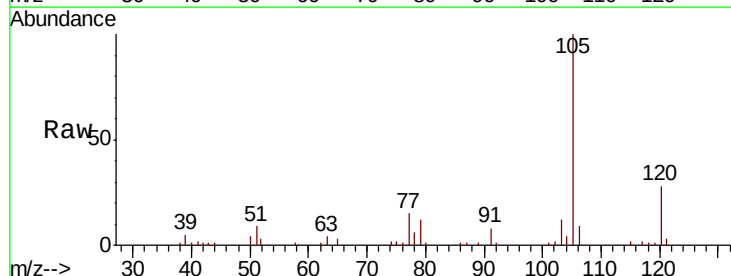
Instrument :
 MSVOA_U
 ClientSampled :

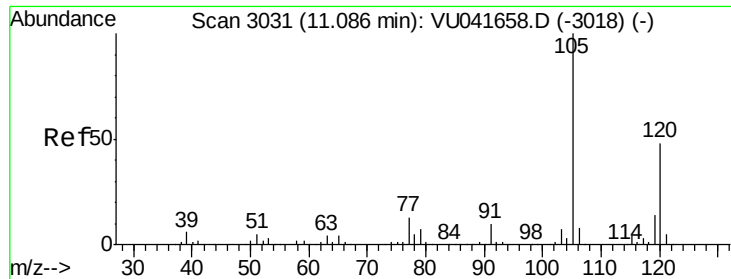
Tot Ion	Ratio	Lower	Upper
75	100		
77	34.8	25.2	37.8
110	39.6	30.5	45.7



#61
 Isopropylbenzene
 Concen: 5.021 ug/L
 RT: 10.48 min Scan# 2843
 Delta R.T. -0.00 min
 Lab File: VU041656.D
 Acq: 16 Dec 2020 09:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.7	31.1
77	14.8	12.6	18.8

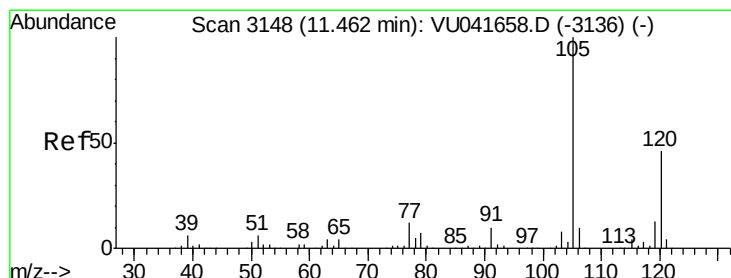
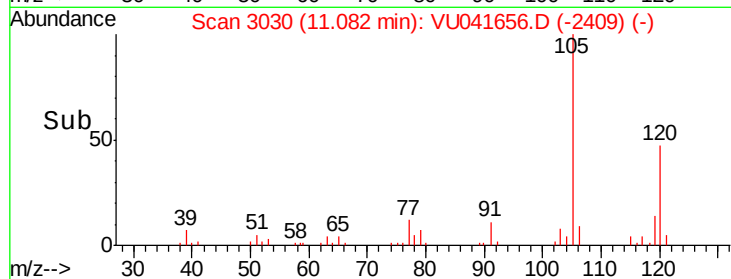
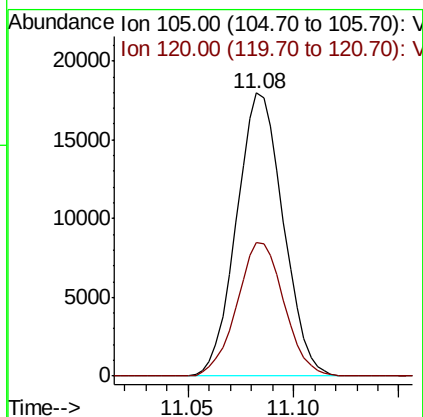
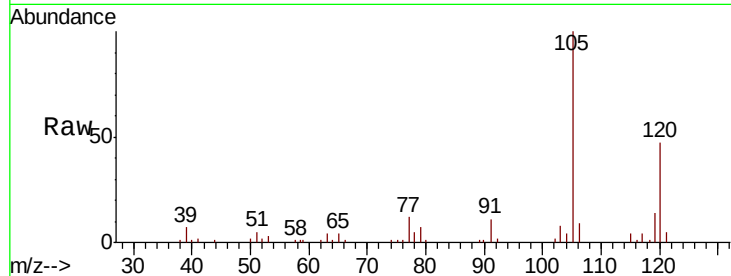




#62
 1,3,5-Trimethylbenzene
 Concen: 4.744 ug/L
 RT: 11.08 min Scan# 3030
 Delta R.T. -0.00 min
 Lab File: VU041656.D
 Acq: 16 Dec 2020 09:11

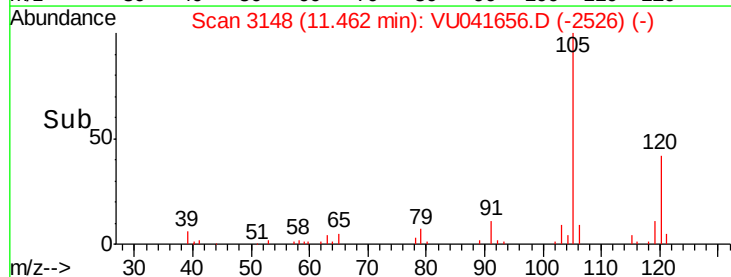
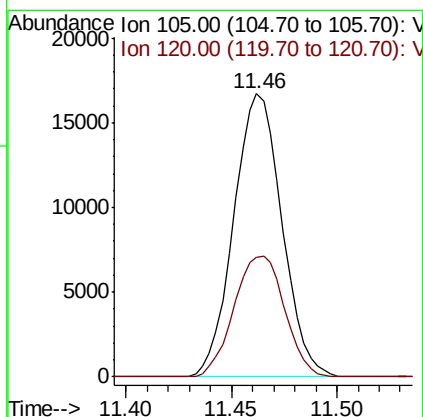
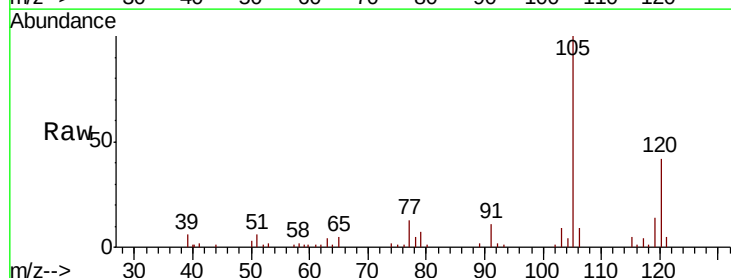
Instrument :
 MSVOA_U
 ClientSampled :

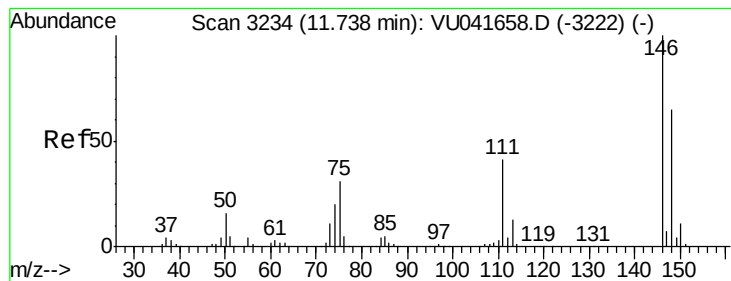
Tot Ion:105 Resp: 27648
 Ion Ratio Lower Upper
 105 100
 120 47.7 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 4.504 ug/L
 RT: 11.46 min Scan# 3148
 Delta R.T. -0.00 min
 Lab File: VU041656.D
 Acq: 16 Dec 2020 09:11

Tgt Ion:105 Resp: 26511
 Ion Ratio Lower Upper
 105 100
 120 44.9 36.5 54.7





#64

1,3-Dichlorobenzene

Concen: 5.265 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

Instrument :

MSVOA_U

ClientSampled :

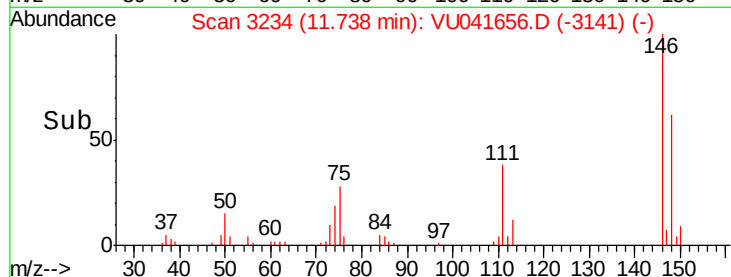
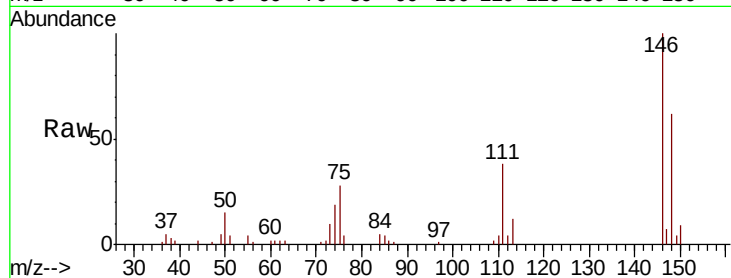
Tot Ion:146 Resp: 17818

Ion Ratio Lower Upper

146 100

111 38.1 28.7 53.3

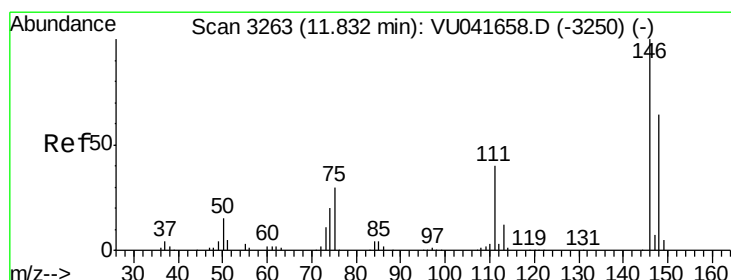
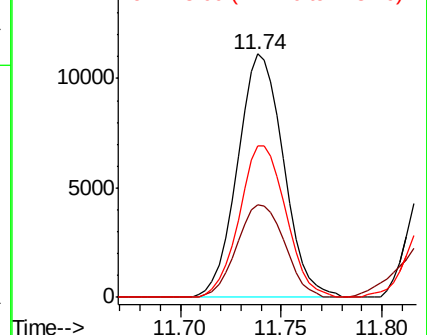
148 62.2 45.5 84.5



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



#65

1,4-Dichlorobenzene

Concen: 5.448 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041656.D

Acq: 16 Dec 2020 09:11

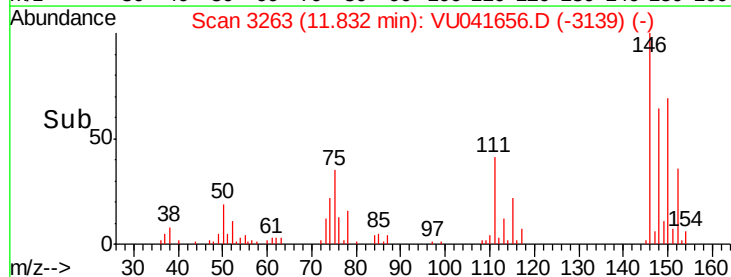
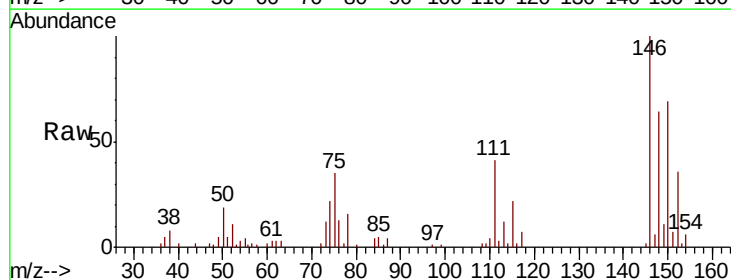
Tgt Ion:146 Resp: 18973

Ion Ratio Lower Upper

146 100

111 40.8 28.1 52.1

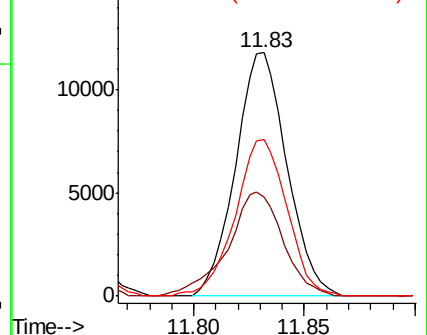
148 64.1 44.8 83.2

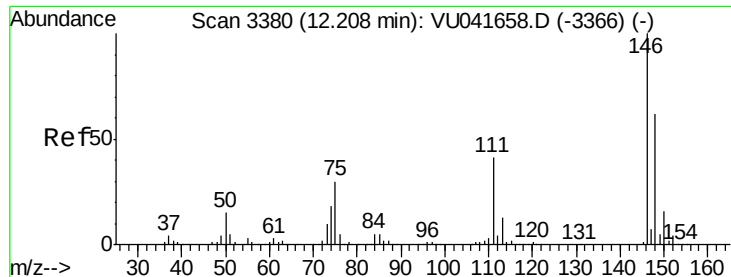


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

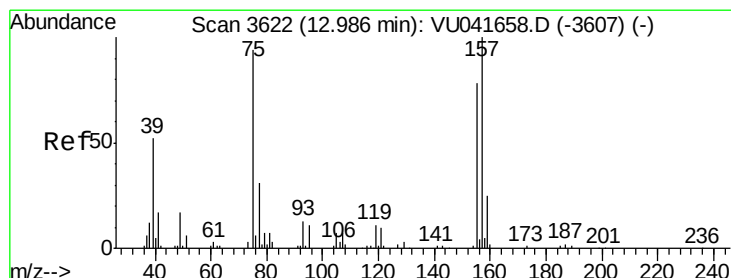
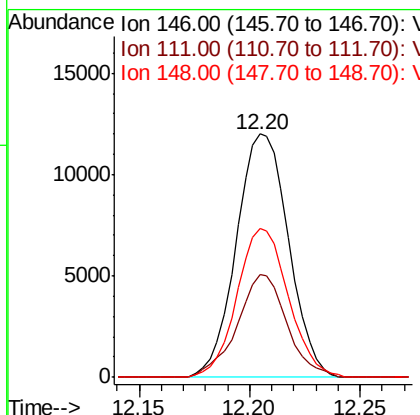
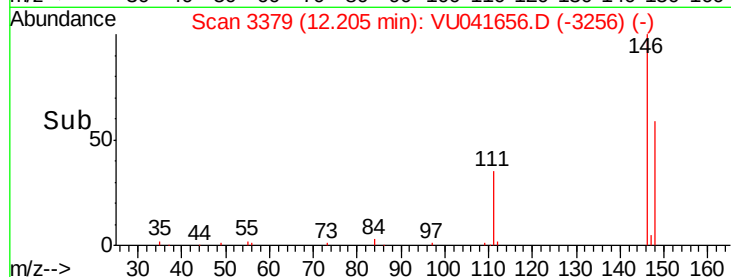
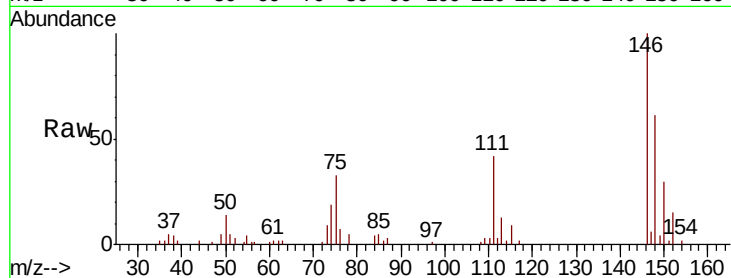




#67
 1,2-Dichlorobenzene
 Concen: 5.842 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041656.D
 Acq: 16 Dec 2020 09:11

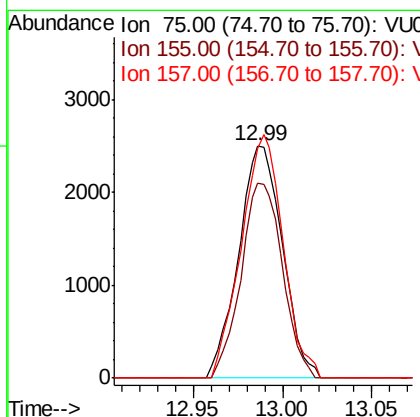
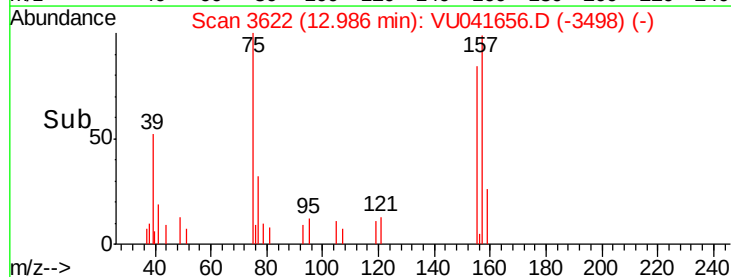
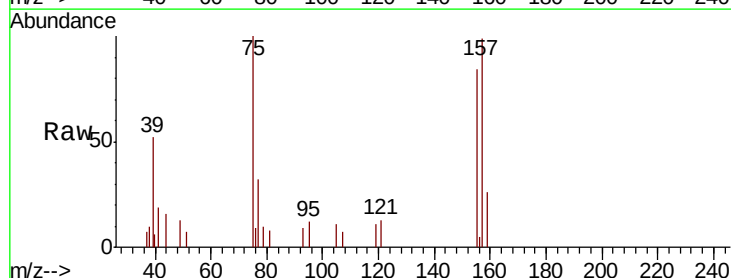
Instrument :
 MSVOA_U
 ClientSampleId :

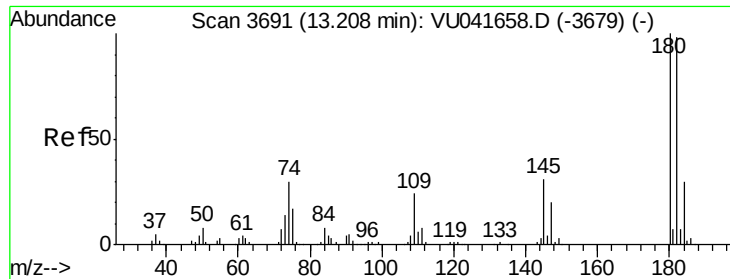
Tot Ion:146 Resp: 19779
 Ion Ratio Lower Upper
 146 100
 111 42.0 33.0 49.6
 148 61.2 50.0 75.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 6.135 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: VU041656.D
 Acq: 16 Dec 2020 09:11

Tgt Ion: 75 Resp: 4271
 Ion Ratio Lower Upper
 75 100
 155 84.1 66.8 100.2
 157 98.9 85.5 128.3

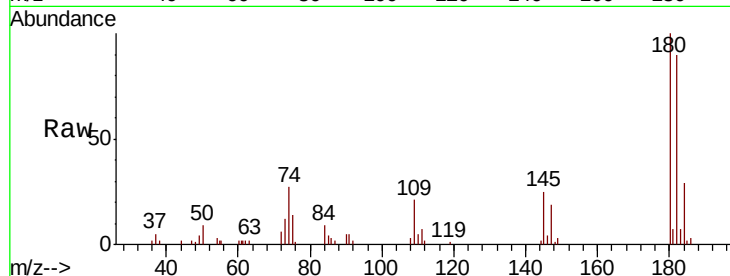




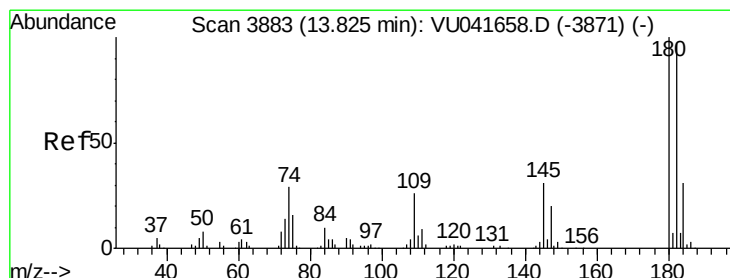
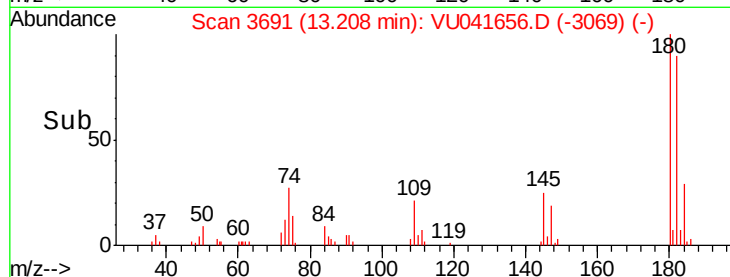
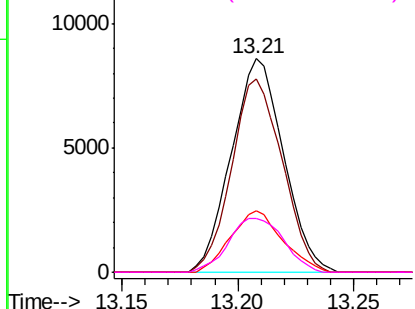
#69
 1,3,5-Trichlorobenzene
 Concen: 5.996 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041656.D
 Acq: 16 Dec 2020 09:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 13398
 Ion Ratio Lower Upper
 180 100
 182 87.5 77.1 115.7
 184 28.8 23.9 35.9
 145 26.8 23.8 35.6

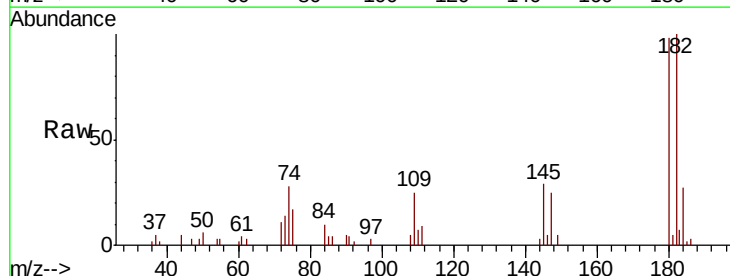


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

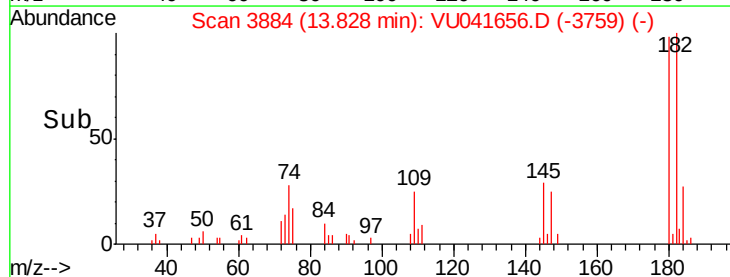
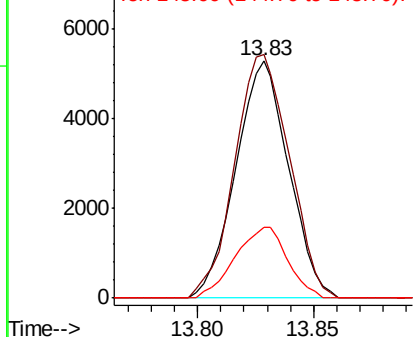


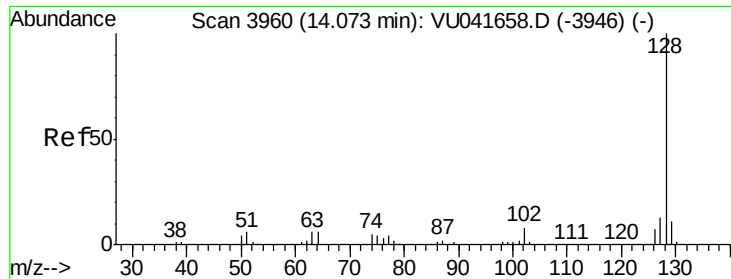
#70
 1,2,4-trichlorobenzene
 Concen: 4.384 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041656.D
 Acq: 16 Dec 2020 09:11

Tgt Ion:180 Resp: 8385
 Ion Ratio Lower Upper
 180 100
 182 106.3 75.9 113.9
 145 29.6 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

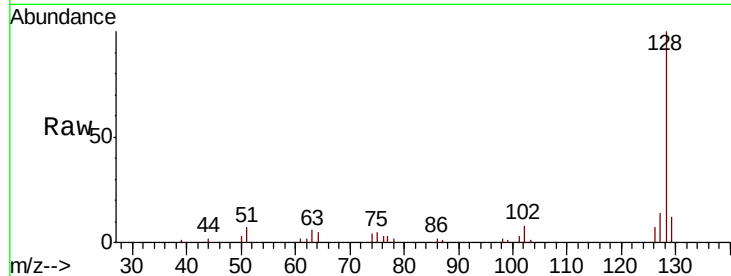




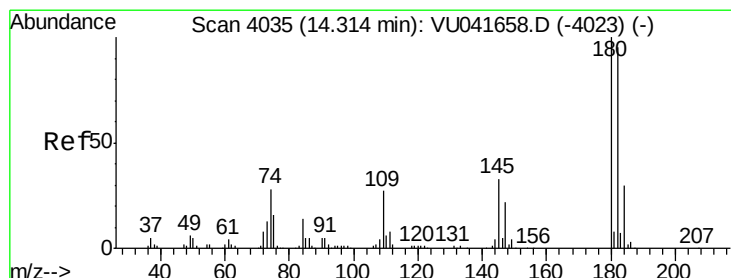
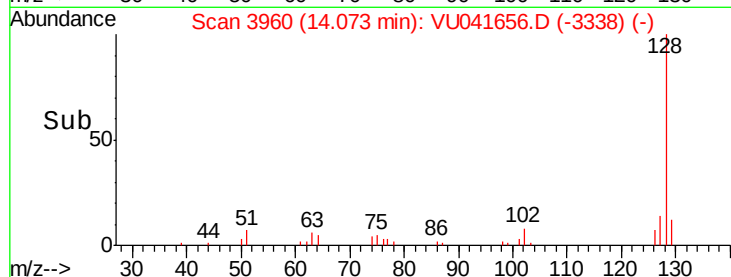
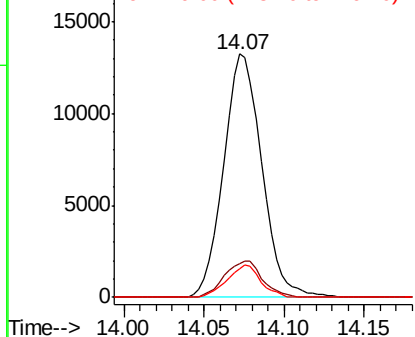
#71
Naphthalene
Concen: 3.624 ug/L
RT: 14.07 min Scan# 3960
Delta R.T. 0.00 min
Lab File: VU041656.D
Acq: 16 Dec 2020 09:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 21607
Ion Ratio Lower Upper
128 100
127 14.7 10.5 15.7
129 11.6 8.6 13.0

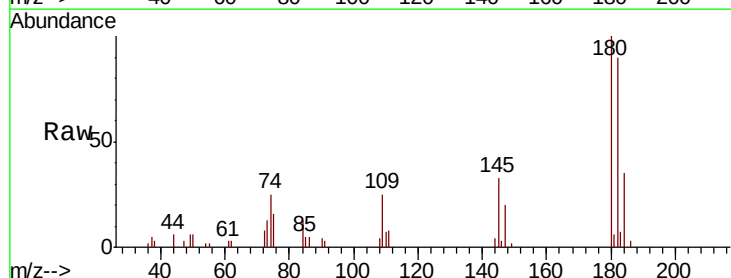


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 4.668 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU041656.D
Acq: 16 Dec 2020 09:11

Tgt Ion:180 Resp: 8795
Ion Ratio Lower Upper
180 100
182 91.1 75.8 113.6
145 33.6 26.2 39.4



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

