

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121620\
 Data File : VU041658.D
 Acq On : 16 Dec 2020 09:58
 Operator : SY/MD
 Sample : VSTD05033
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 02:45:53 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	277724	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	245734	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	124857	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	97285	43.07	ug/L	0.00
7) Chloroethane-d5	1.92	69	85152	49.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	179647	41.55	ug/L	0.00
21) 2-Butanone-d5	4.65	46	155565	83.34	ug/L	0.00
24) Chloroform-d	5.08	84	178168	44.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	113454	40.60	ug/L	0.00
32) Benzene-d6	5.74	84	356891	51.13	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	112158	48.04	ug/L	0.00
41) Toluene-d8	7.91	98	352344	55.21	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	58182	48.84	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	123752	115.61	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	163537	49.19	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	125128	51.38	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	110011	54.477	ug/L 100
3) Chloromethane	1.53	50	100423	43.401	ug/L 100
5) Vinyl chloride	1.61	62	109567	46.720	ug/L 100
6) Bromomethane	1.87	94	82603	61.376	ug/L 100
8) Chloroethane	1.94	64	75695	49.400	ug/L 100
9) Trichlorofluoromethane	2.15	101	167164	50.385	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	92163	44.837	ug/L 100
12) 1,1-Dichloroethene	2.59	96	87515	45.489	ug/L 100
13) Acetone	2.65	43	114865	61.392	ug/L 100
14) Carbon disulfide	2.81	76	275936	45.148	ug/L 100
15) Methyl Acetate	2.96	43	108517	37.354	ug/L 100
16) Methylene chloride	3.06	84	97802	43.302	ug/L 100
17) trans-1,2-Dichloroethene	3.37	96	91510	46.094	ug/L 100
18) Methyl tert-butyl Ether	3.38	73	281419	43.718	ug/L 100
19) 1,1-Dichloroethane	3.89	63	166271	40.903	ug/L 100
20) cis-1,2-Dichloroethene	4.68	96	101208	46.544	ug/L 100
22) 2-Butanone	4.73	43	165398	73.138	ug/L 100
23) Bromochloromethane	4.99	128	53898	46.919	ug/L 100
25) Chloroform	5.11	83	174854	42.346	ug/L 100
27) 1,2-Dichloroethane	5.81	62	136241	39.235	ug/L 100
29) Cyclohexane	5.41	56	149651	45.917	ug/L 100
30) 1,1,1-Trichloroethane	5.33	97	154488	48.900	ug/L 100
31) Carbon tetrachloride	5.54	117	134112	48.901	ug/L 100
33) Benzene	5.79	78	397332	49.733	ug/L 100
34) Trichloroethene	6.55	95	105360	50.942	ug/L 100
35) Methylcyclohexane	6.77	83	167960	52.770	ug/L 100
37) 1,2-Dichloropropane	6.80	63	102084	46.029	ug/L 100
38) Bromodichloromethane	7.11	83	134507	47.501	ug/L 100
39) cis-1,3-Dichloropropene	7.61	75	162881	50.370	ug/L 100
40) 4-Methyl-2-pentanone	7.80	43	291602	83.671	ug/L 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121620\
 Data File : VU041658.D
 Acq On : 16 Dec 2020 09:58
 Operator : SY/MD
 Sample : VSTD05033
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 02:45:53 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

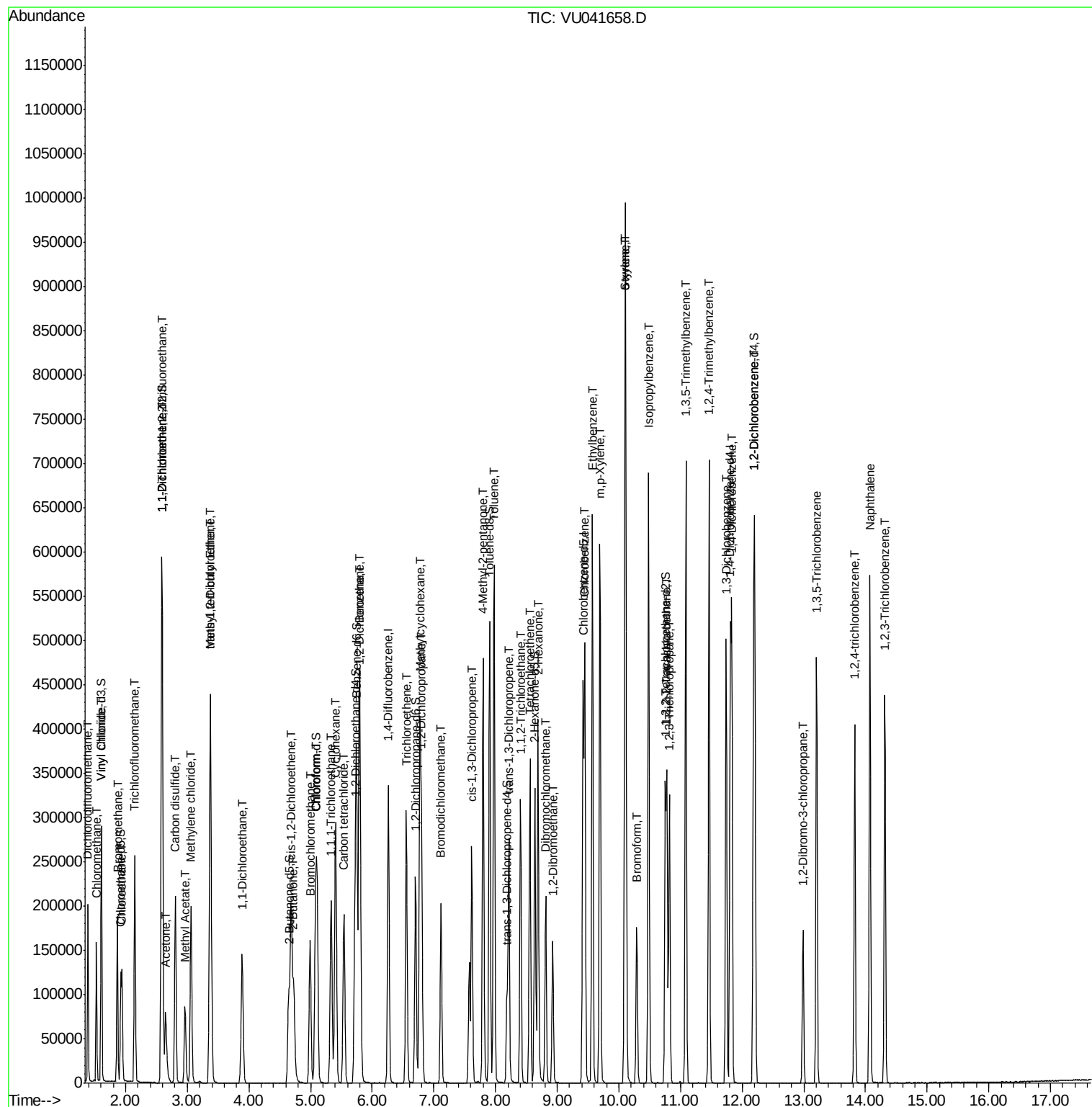
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	438228	53.582	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	158339	48.565	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	102351	51.771	ug/L	100
46) Tetrachloroethene	8.56	164	85143	57.042	ug/L	100
48) 2-Hexanone	8.69	43	241824	86.696	ug/L	100
49) Dibromochloromethane	8.82	129	111681	51.627	ug/L	100
50) 1,2-Dibromoethane	8.93	107	106326	50.404	ug/L	100
51) Chlorobenzene	9.45	112	265150	49.405	ug/L	100
52) Ethylbenzene	9.57	91	451371	50.238	ug/L	100
53) m,p-Xylene	9.69	106	176393	53.453	ug/L	100
54) o-xylene	10.10	106	172432	53.437	ug/L	100
55) Styrene	10.11	104	293902	53.510	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	168023	48.811	ug/L	100
59) Bromoform	10.29	173	82279	53.361	ug/L	100
60) 1,2,3-Trichloropropane	10.82	75	142613	48.688	ug/L	100
61) Isopropylbenzene	10.48	105	449111	52.187	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	378124	53.674	ug/L	100
63) 1,2,4-Trimethylbenzene	11.46	105	386065	54.250	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	205527	50.238	ug/L	100
65) 1,4-Dichlorobenzene	11.83	146	203958	48.443	ug/L	100
67) 1,2-Dichlorobenzene	12.21	146	210709	51.485	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.99	75	45010	53.483	ug/L	100
69) 1,3,5-Trichlorobenzene	13.21	180	150253	55.623	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	126411	54.673	ug/L	100
71) Naphthalene	14.07	128	446662	61.963	ug/L	100
72) 1,2,3-Trichlorobenzene	14.31	180	131853	57.884	ug/L	100

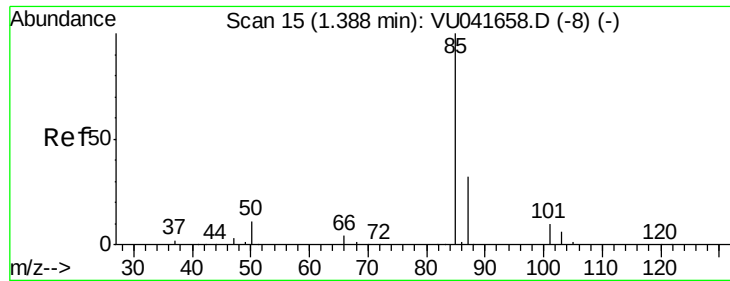
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121620\
Data File : VU041658.D
Acq On : 16 Dec 2020 09:58
Operator : SY/MD
Sample : VSTD05033
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :

Quant Time: Dec 17 02:45:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 17 02:44:17 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 54.477 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041658.D

Acq: 16 Dec 2020 09:58

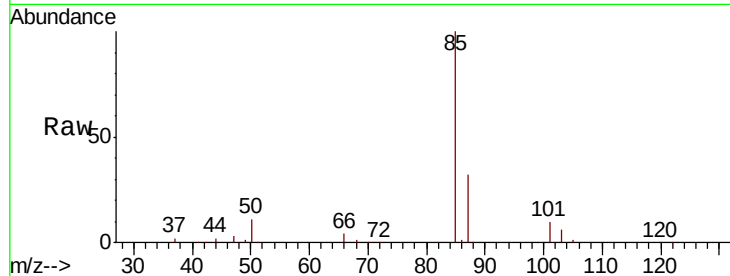
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 110011

Ion Ratio Lower Upper

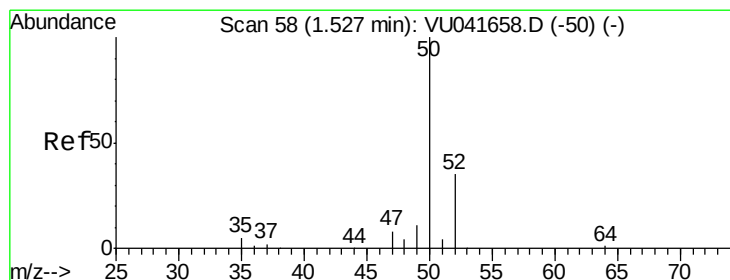
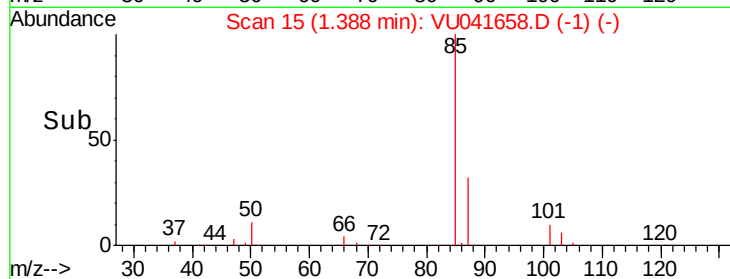
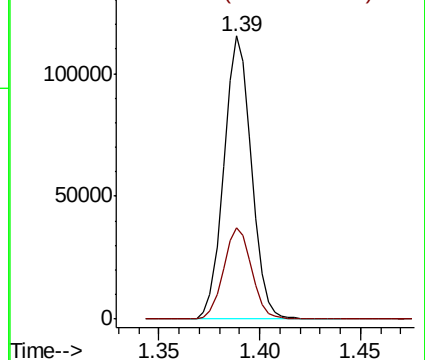
85 100

87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 43.401 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041658.D

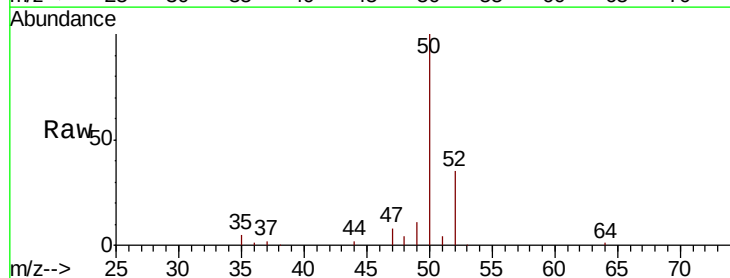
Acq: 16 Dec 2020 09:58

Tgt Ion: 50 Resp: 100423

Ion Ratio Lower Upper

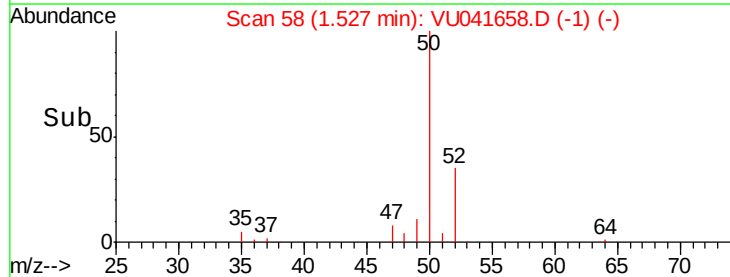
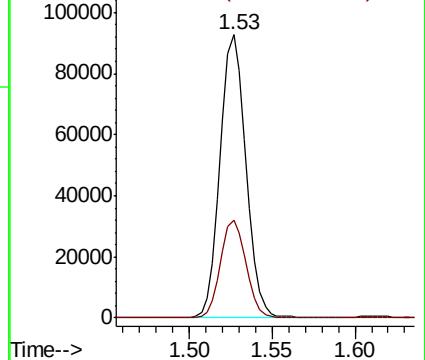
50 100

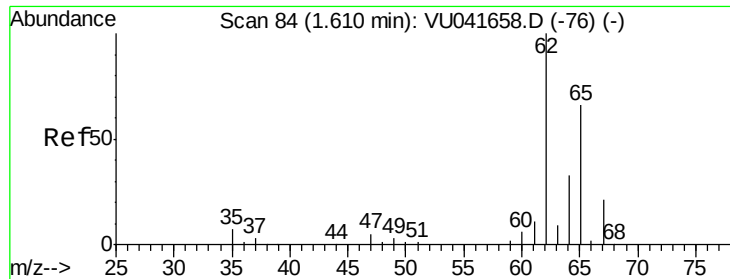
52 34.5 24.1 44.8



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 46.720 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041658.D

Acq: 16 Dec 2020 09:58

Instrument :

MSVOA_U

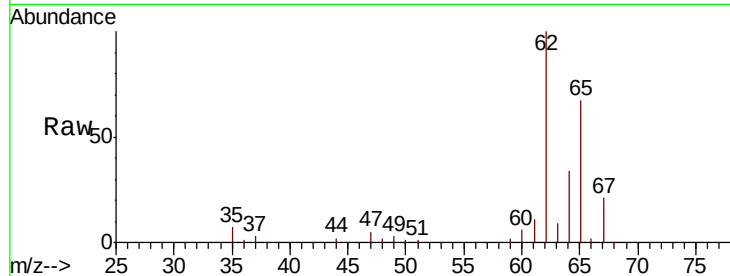
ClientSampled :

Tot Ion: 62 Resp: 109567

Ion Ratio Lower Upper

62 100

64 34.1 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU041658.D (-76) (-)

Ion 64.00 (63.70 to 64.70): VU041658.D (-76) (-)

120000

100000

80000

60000

40000

20000

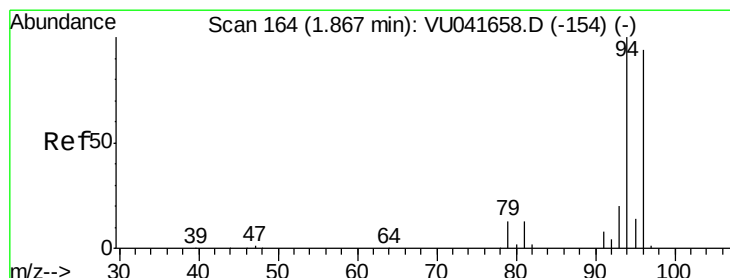
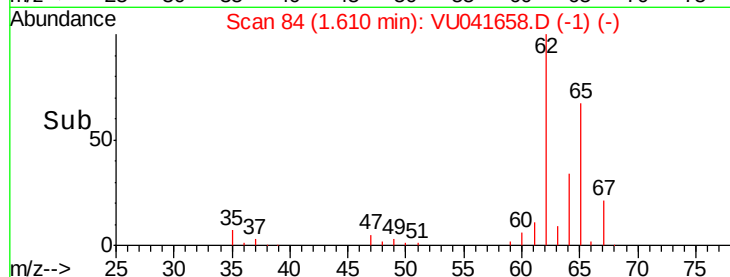
0

1.61

1.60

1.65

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 61.376 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041658.D

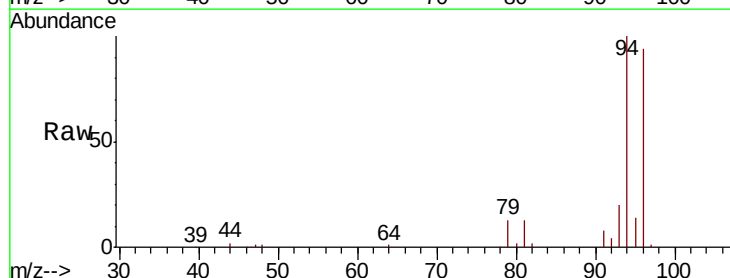
Acq: 16 Dec 2020 09:58

Tgt Ion: 94 Resp: 82603

Ion Ratio Lower Upper

94 100

96 94.4 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU041658.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU041658.D (-154) (-)

80000

60000

40000

20000

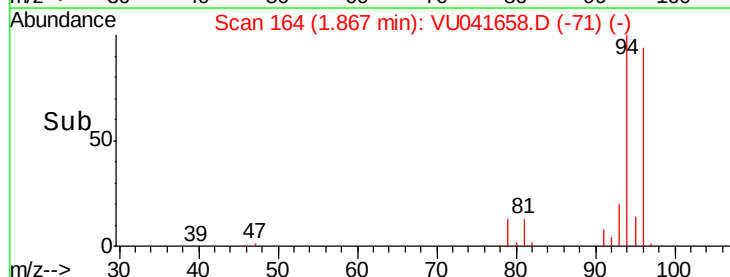
0

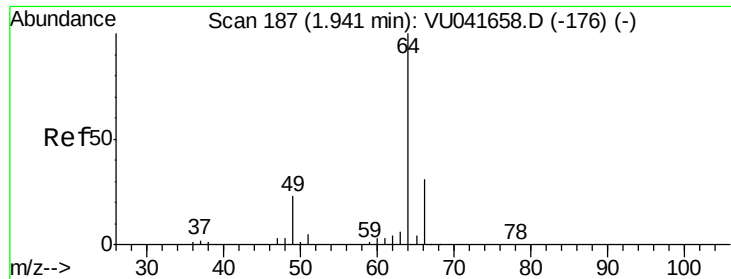
1.87

1.85

1.90

Time--> 1.80 1.85 1.90

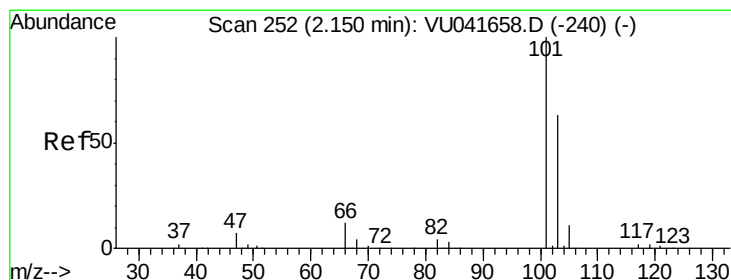
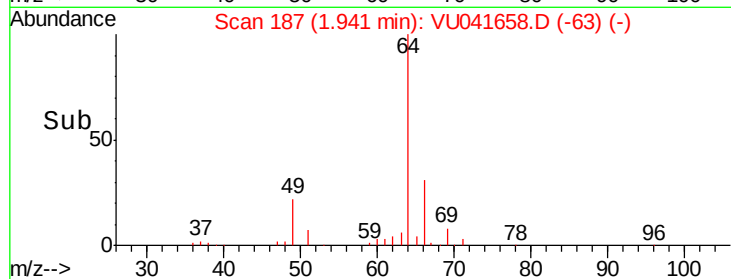
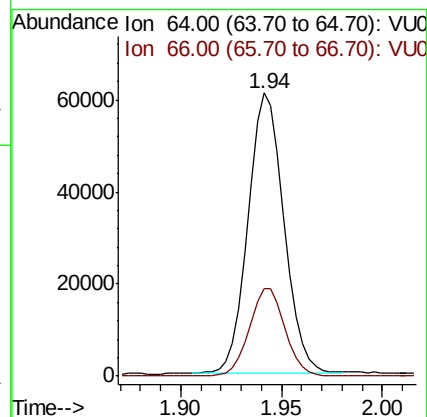
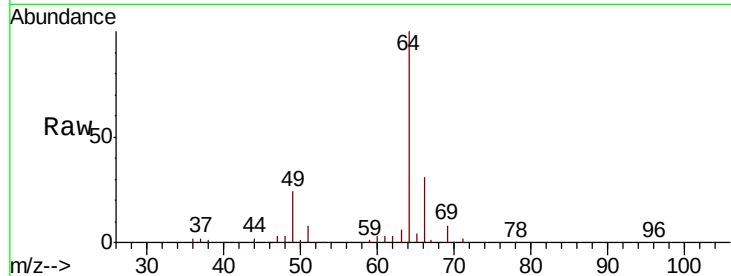




#8
Chloroethane
Concen: 49.400 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU041658.D
Acq: 16 Dec 2020 09:58

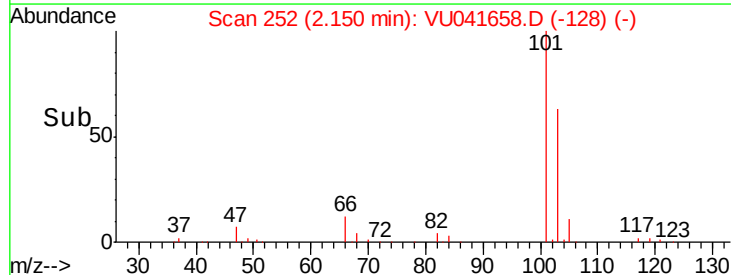
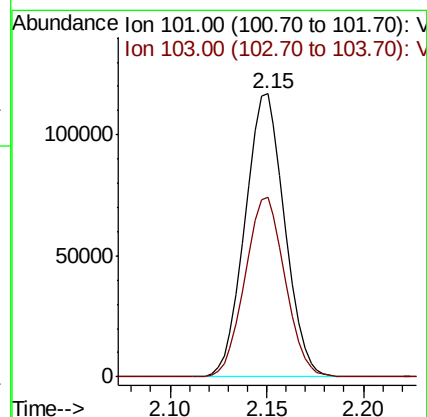
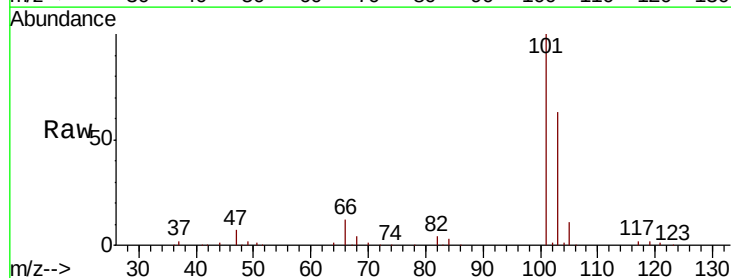
Instrument :
MSVOA_U
ClientSampleId :

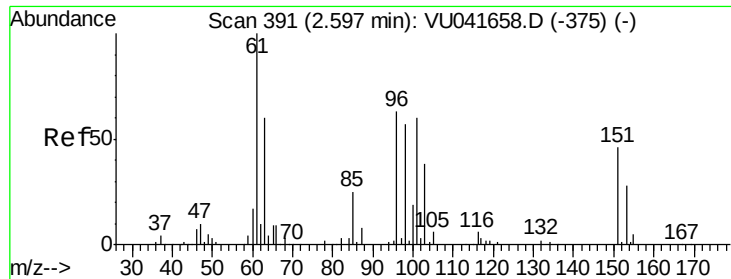
Tot Ion: 64 Resp: 75695
Ion Ratio Lower Upper
64 100
66 30.8 21.6 40.0



#9
Trichlorofluoromethane
Concen: 50.385 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU041658.D
Acq: 16 Dec 2020 09:58

Tgt Ion: 101 Resp: 167164
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.0





#10

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

Concen: 44.837 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU041658.D

Acq: 16 Dec 2020 09:58

Instrument :

MSVOA_U

ClientSampled :

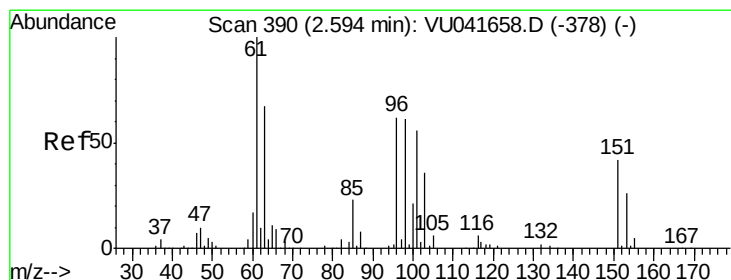
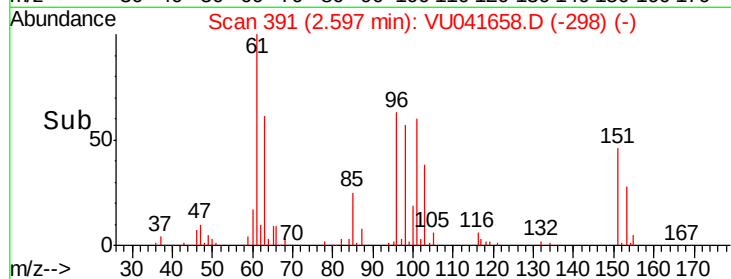
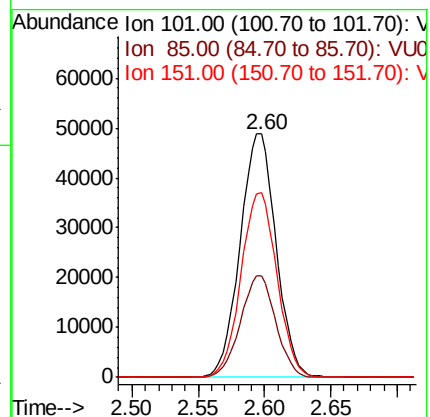
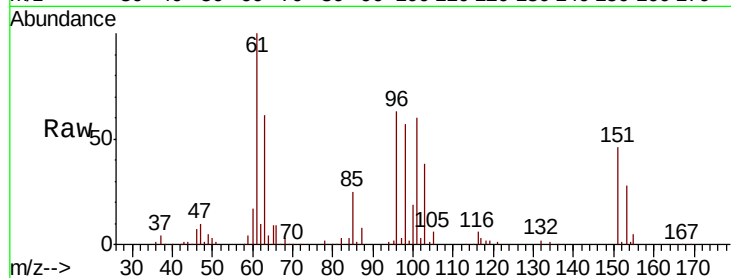
Tot Ion:101 Resp: 92163

Ion Ratio Lower Upper

101 100

85 40.9 32.7 49.1

151 75.5 60.4 90.6



#12

1,1-Dichloroethene

Concen: 45.489 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041658.D

Acq: 16 Dec 2020 09:58

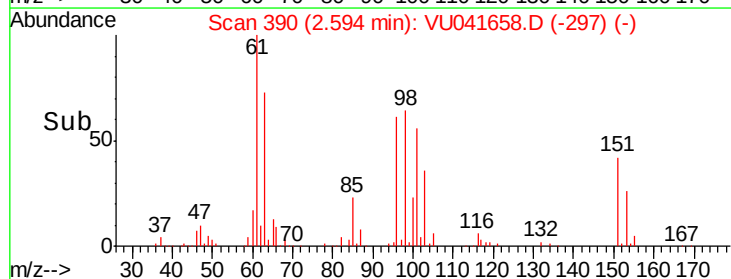
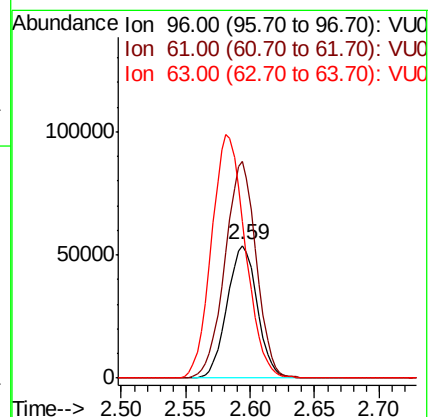
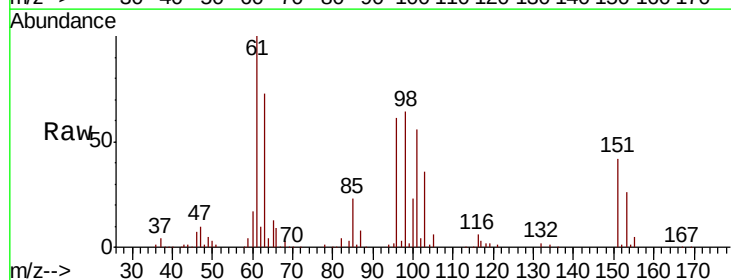
Tgt Ion: 96 Resp: 87515

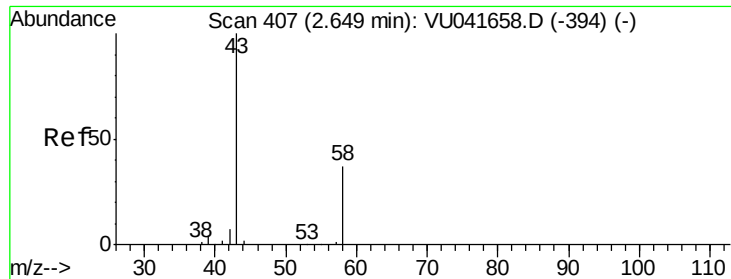
Ion Ratio Lower Upper

96 100

61 163.3 114.3 212.3

63 118.6 83.0 154.2





#13

Acetone

Concen: 61.392 ug/L

RT: 2.65 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU041658.D

Acq: 16 Dec 2020 09:58

Instrument :

MSVOA_U

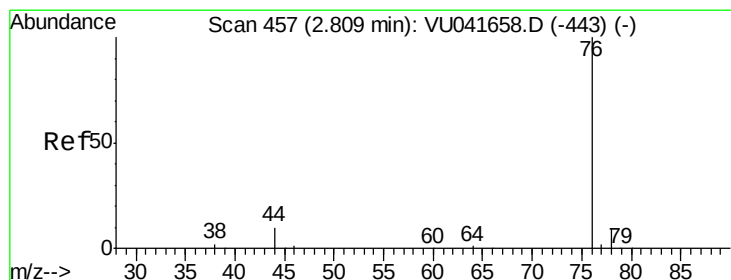
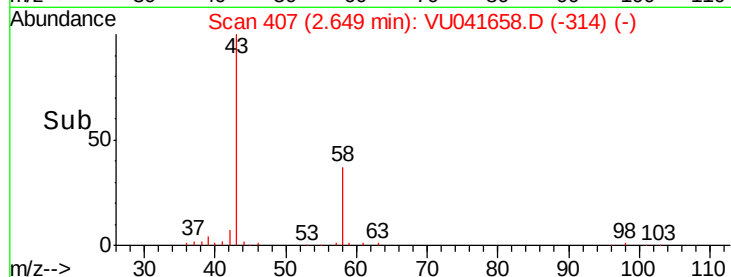
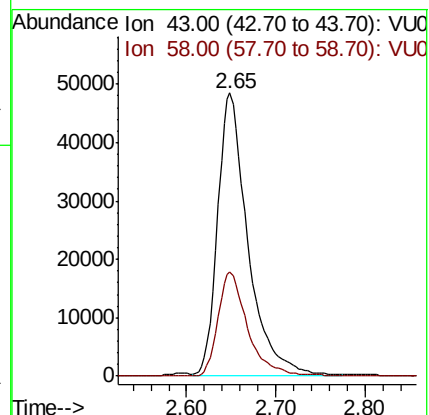
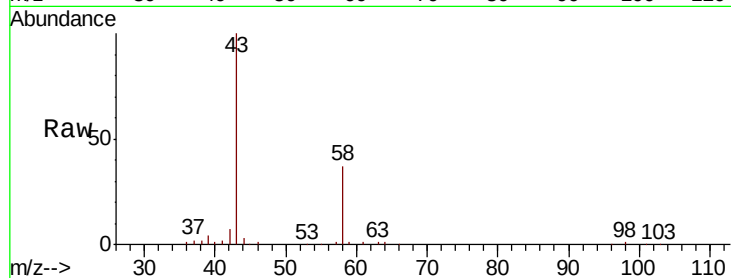
ClientSampled :

Tot Ion: 43 Resp: 114865

Ion Ratio Lower Upper

43 100

58 35.4 0.0 70.8



#14

Carbon disulfide

Concen: 45.148 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU041658.D

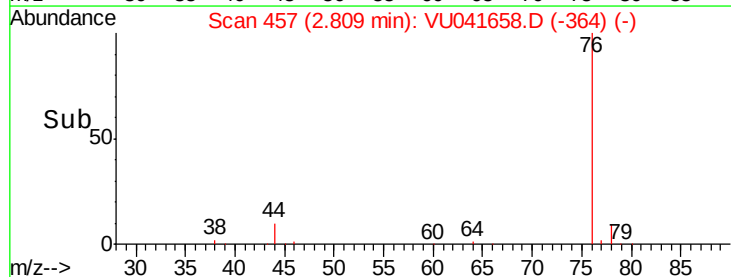
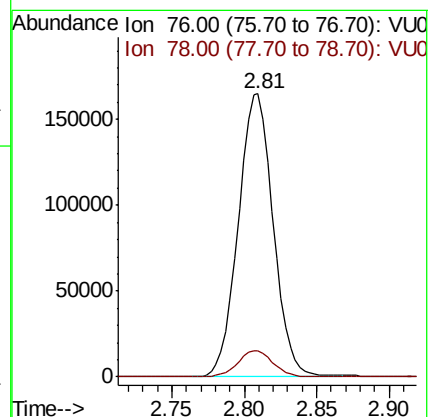
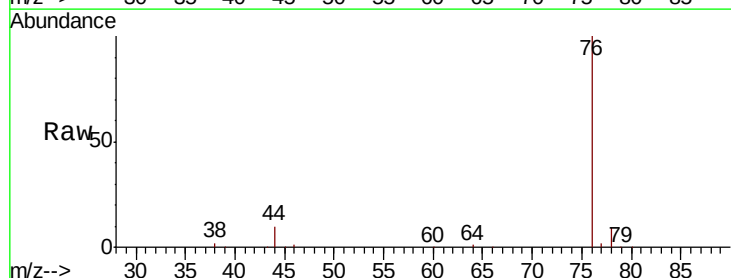
Acq: 16 Dec 2020 09:58

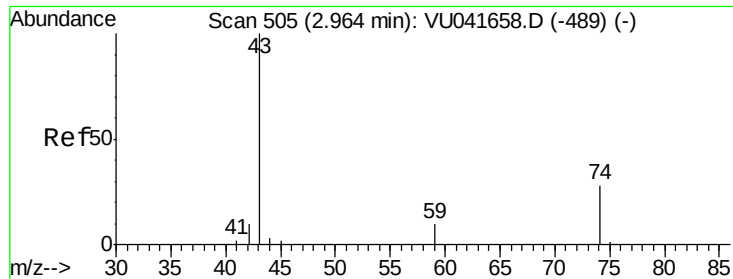
Tgt Ion: 76 Resp: 275936

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

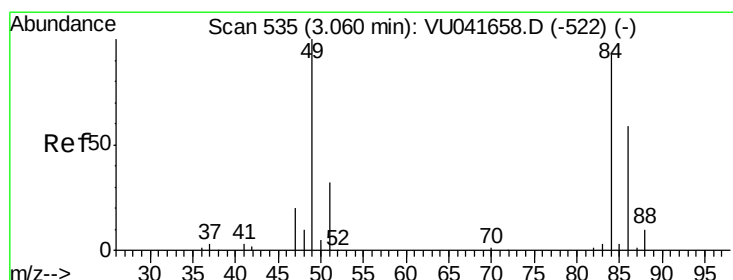
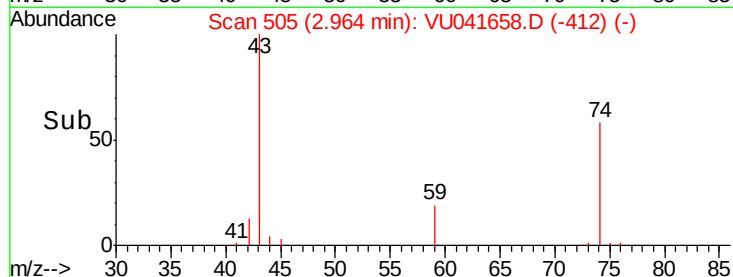
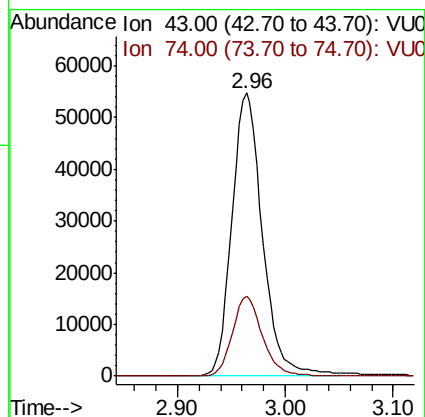
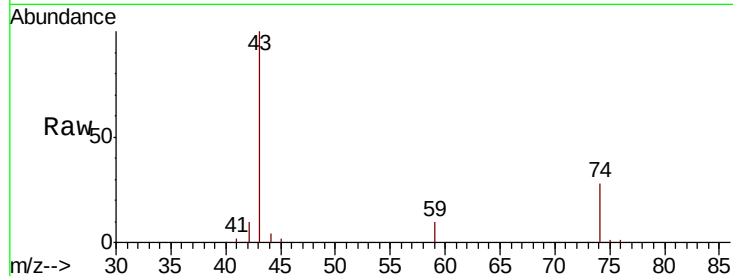




#15
Methvl Acetate
Concen: 37.354 ug/L
RT: 2.96 min Scan# 505
Delta R.T. 0.00 min
Lab File: VU041658.D
Acq: 16 Dec 2020 09:58

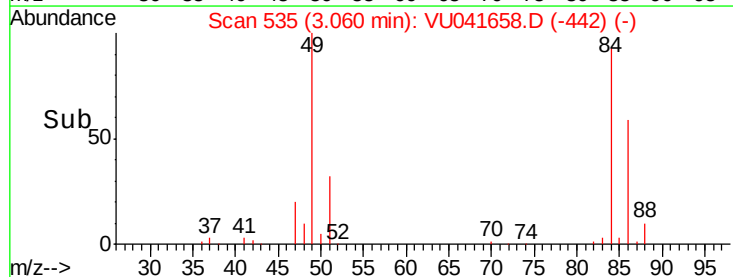
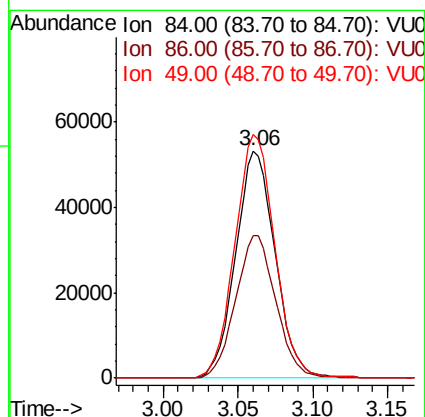
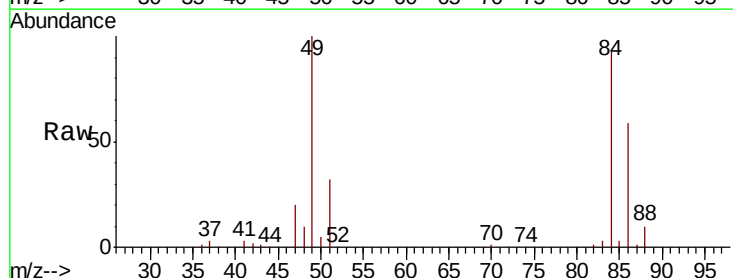
Instrument :
MSVOA_U
ClientSampled :

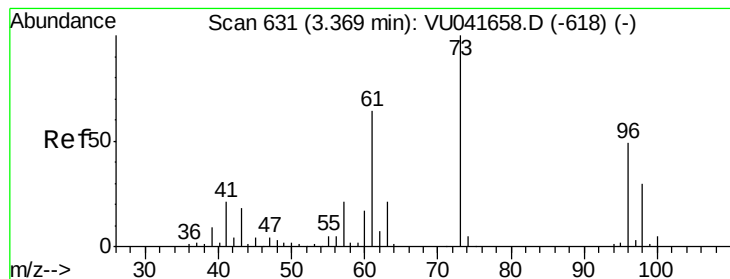
Tot Ion: 43 Resp: 108517
Ion Ratio Lower Upper
43 100
74 27.6 22.1 33.1



#16
Methylene chloride
Concen: 43.302 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041658.D
Acq: 16 Dec 2020 09:58

Tgt Ion: 84 Resp: 97802
Ion Ratio Lower Upper
84 100
86 62.8 44.0 81.6
49 107.2 75.0 139.4





#17

trans-1,2-Dichloroethene

Concen: 46.094 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

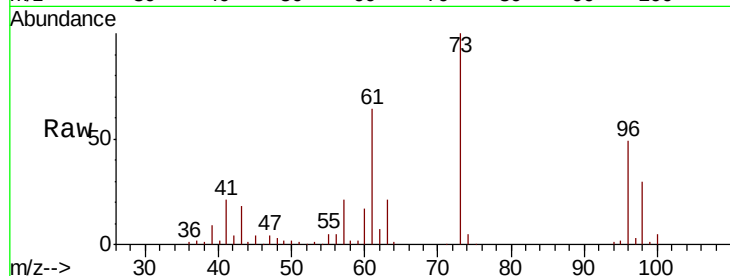
Lab File: VU041658.D

Acq: 16 Dec 2020 09:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 91510

Ion	Ratio	Lower	Upper
96	100		
61	132.3	92.6	172.0
98	62.2	43.5	80.9

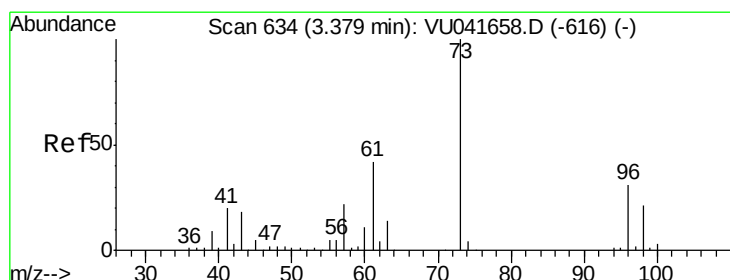
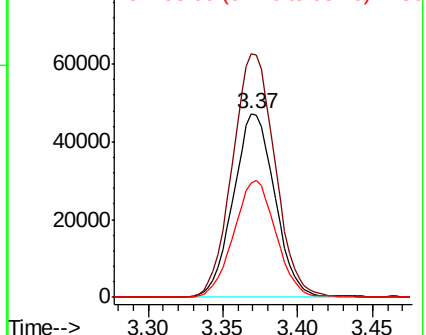
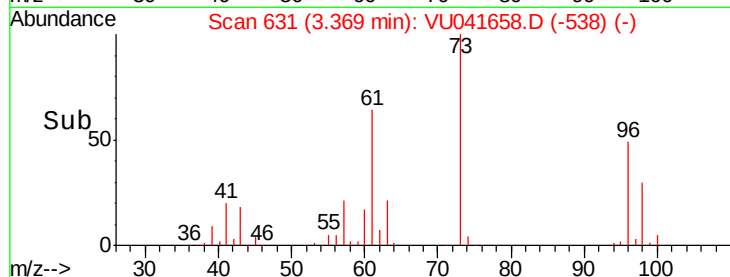


Abundance

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: 43.718 ug/L

RT: 3.38 min Scan# 634

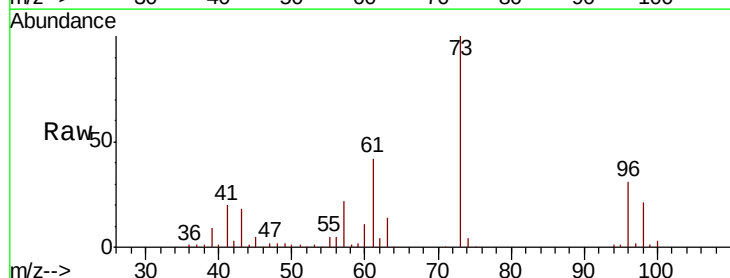
Delta R.T. 0.00 min

Lab File: VU041658.D

Acq: 16 Dec 2020 09:58

Tgt Ion: 73 Resp: 281419

Ion	Ratio	Lower	Upper
73	100		
43	18.5	14.8	22.2
57	21.3	17.0	25.6

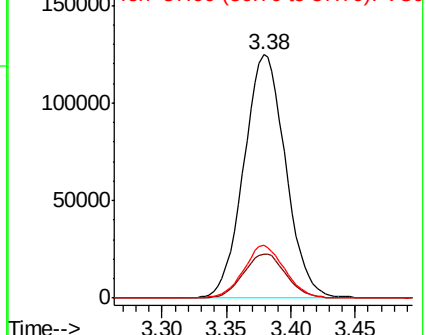
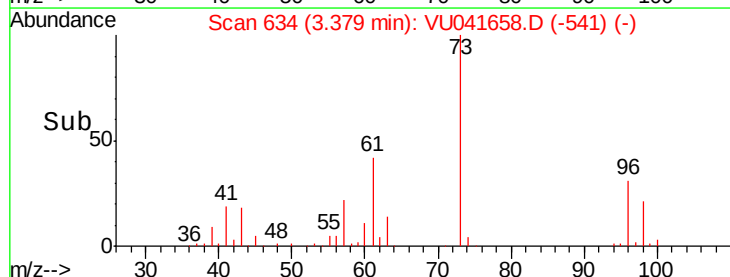


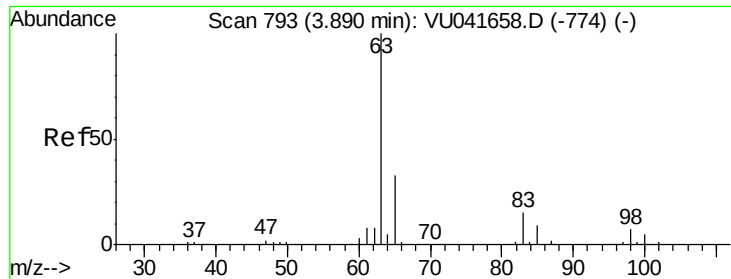
Abundance

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

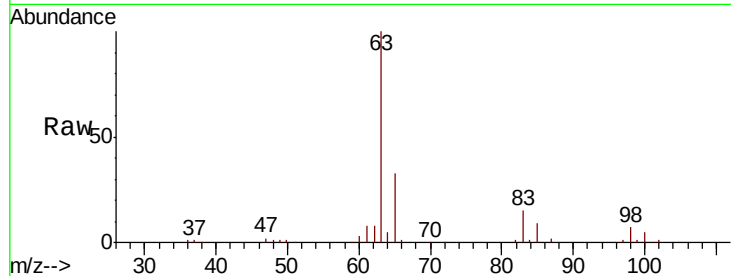




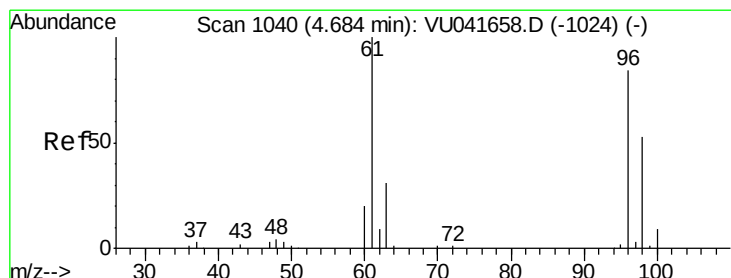
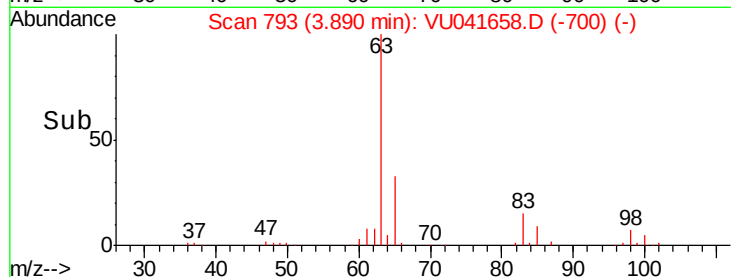
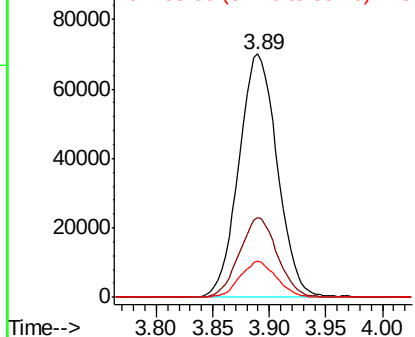
#19
 1,1-Dichloroethane
 Concen: 40.903 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 166271
 Ion Ratio Lower Upper
 63 100
 65 32.7 22.9 42.5
 83 14.7 10.3 19.1

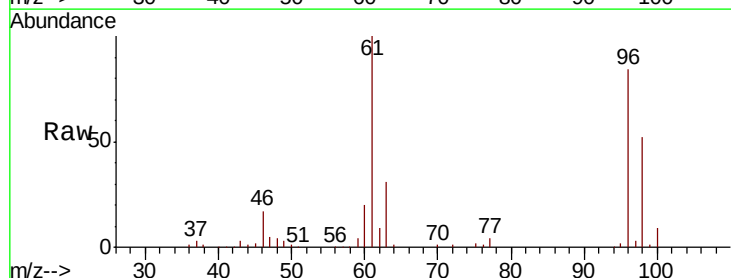


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

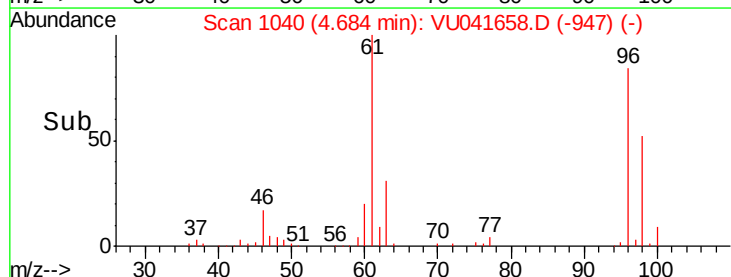
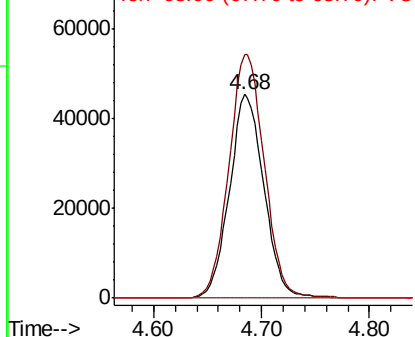


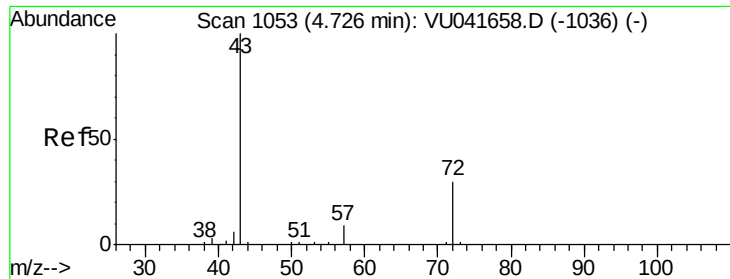
#20
 cis-1,2-Dichloroethene
 Concen: 46.544 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

Tgt Ion: 96 Resp: 101208
 Ion Ratio Lower Upper
 96 100
 61 119.6 83.7 155.5
 68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 73.138 ug/L

RT: 4.73 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VU041658.D

Acq: 16 Dec 2020 09:58

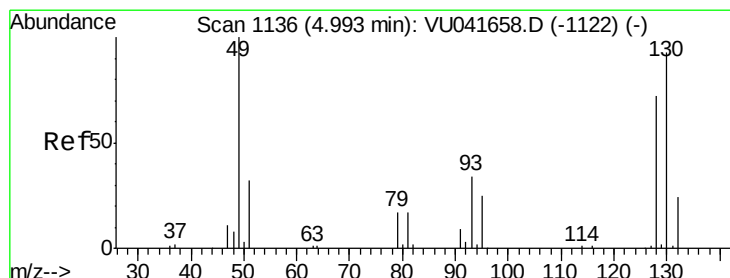
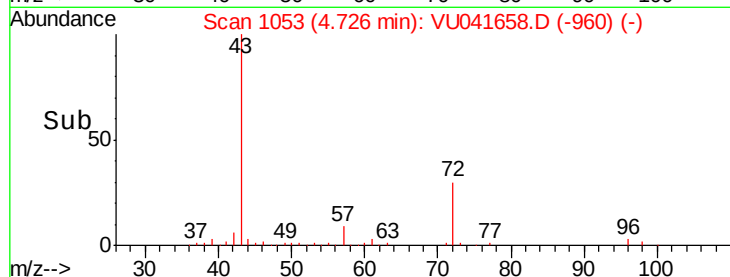
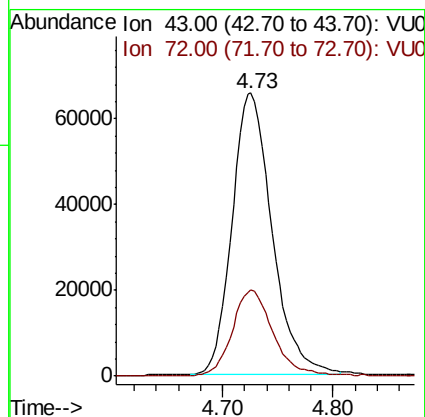
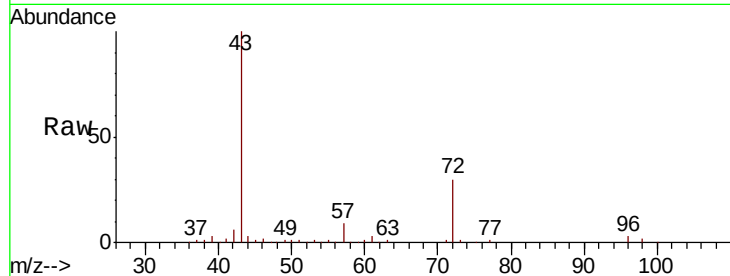
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 165398

Ion Ratio Lower Upper

43 100

72 31.2 15.6 46.8



#23

Bromochloromethane

Concen: 46.919 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041658.D

Acq: 16 Dec 2020 09:58

Tgt Ion:128 Resp: 53898

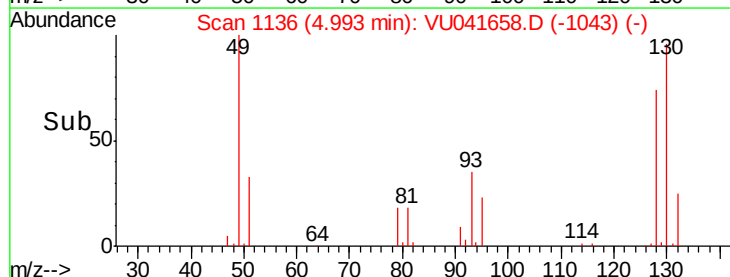
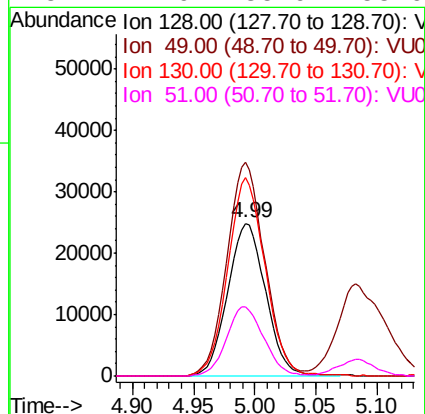
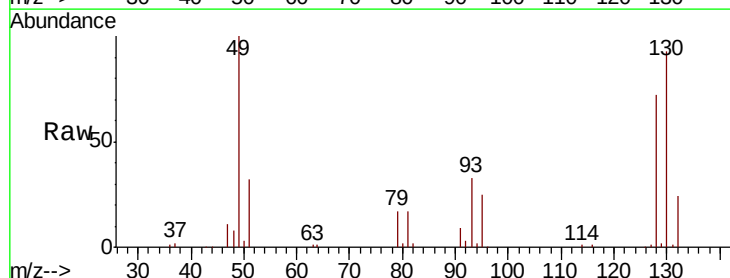
Ion Ratio Lower Upper

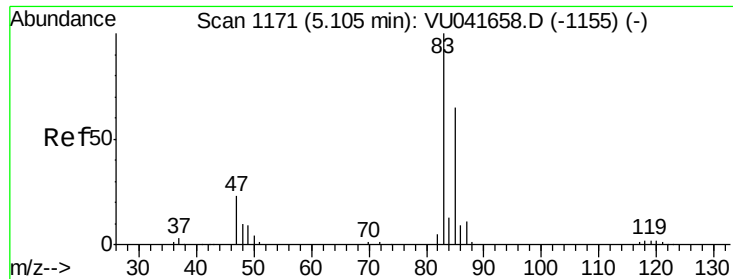
128 100

49 139.9 97.9 181.9

130 129.9 90.9 168.9

51 44.9 35.9 53.9

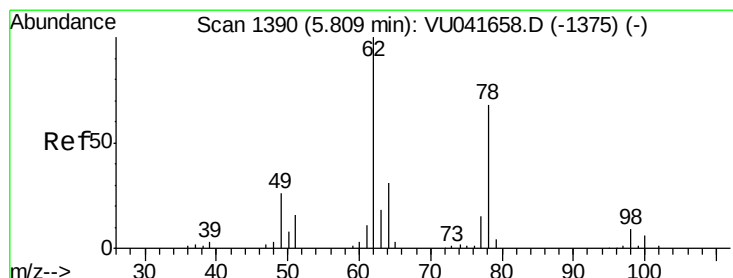
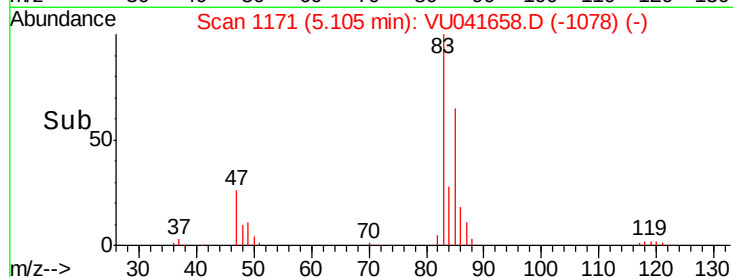
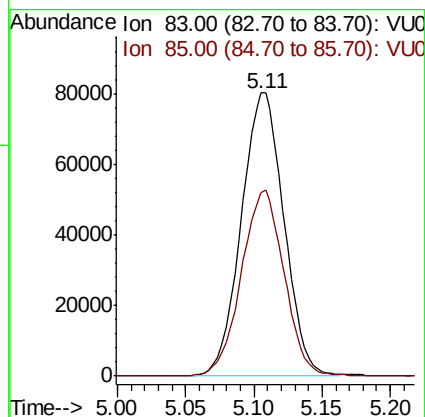
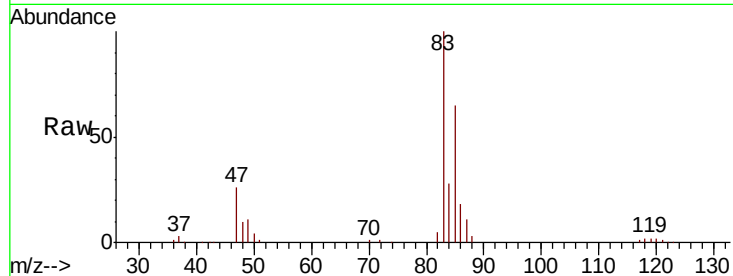




#25
Chloroform
Concen: 42.346 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041658.D
Acq: 16 Dec 2020 09:58

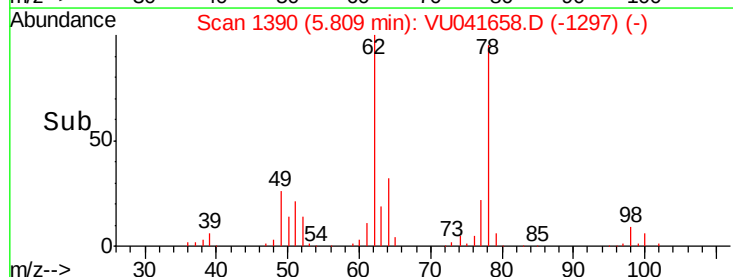
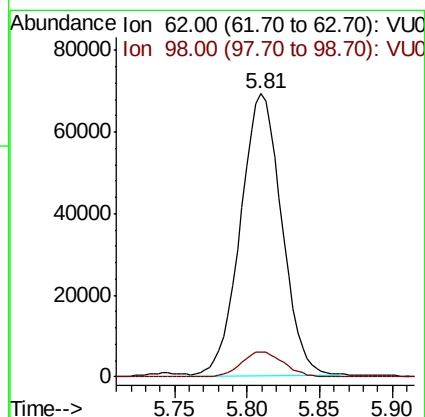
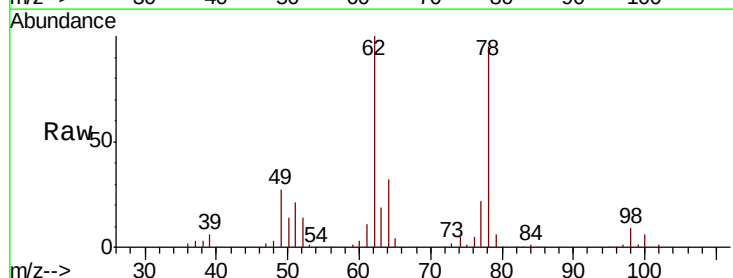
Instrument :
MSVOA_U
ClientSampleId :

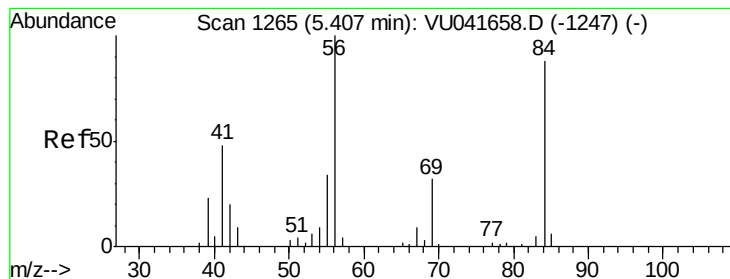
Tot Ion: 83 Resp: 174854
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 39.235 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041658.D
Acq: 16 Dec 2020 09:58

Tgt Ion: 62 Resp: 136241
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7





#29

Cyclohexane

Concen: 45.917 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU041658.D

Acq: 16 Dec 2020 09:58

Instrument :

MSVOA_U

ClientSampleId :

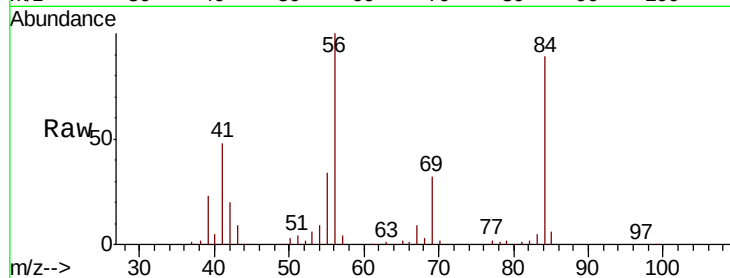
Tot Ion: 56 Resp: 149651

Ion Ratio Lower Upper

56 100

69 31.3 25.0 37.6

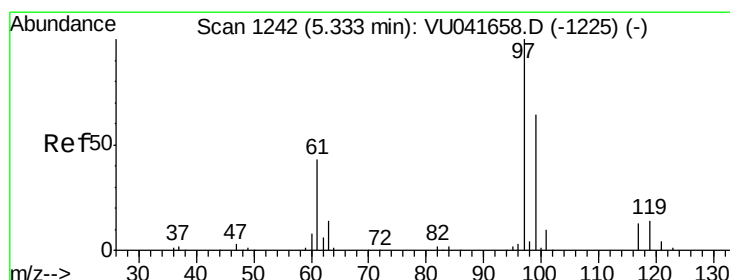
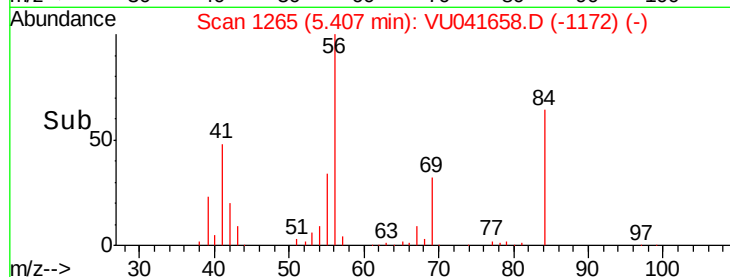
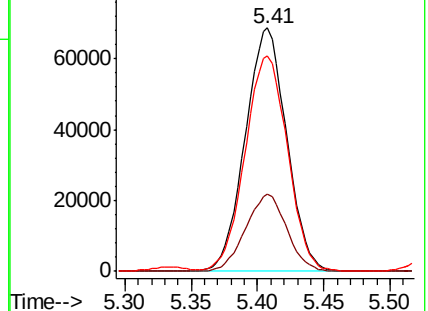
84 90.8 72.6 109.0



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: 48.900 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU041658.D

Acq: 16 Dec 2020 09:58

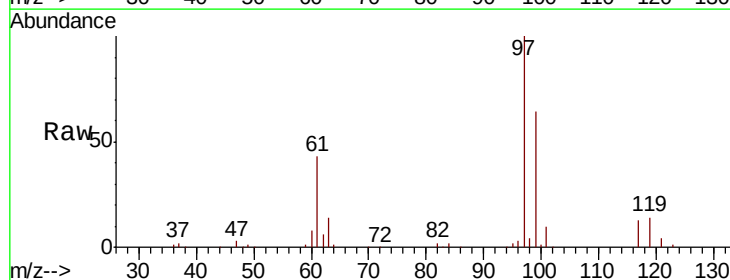
Tgt Ion: 97 Resp: 154488

Ion Ratio Lower Upper

97 100

99 63.6 50.9 76.3

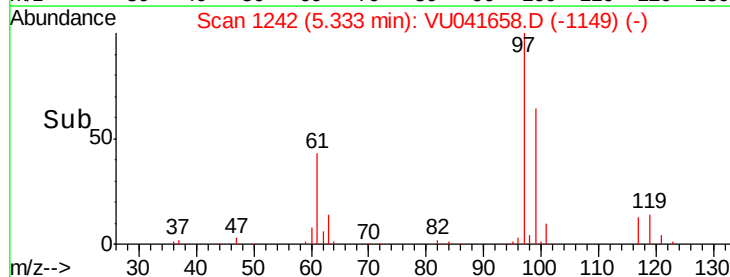
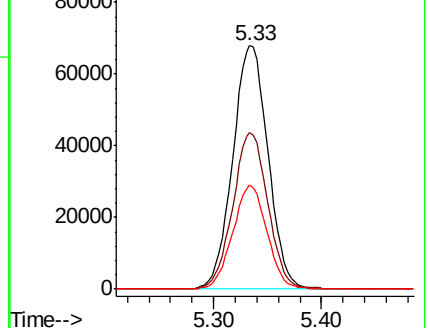
61 41.7 33.4 50.0

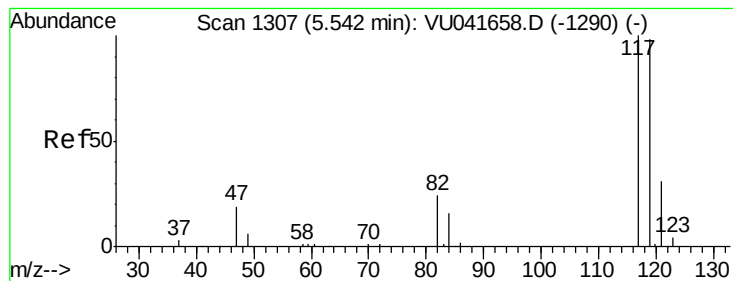


Abundance Ion 97.00 (96.70 to 97.70): VU041658.D (-1225) (-)

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: 48.901 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041658.D

Acq: 16 Dec 2020 09:58

Instrument :

MSVOA_U

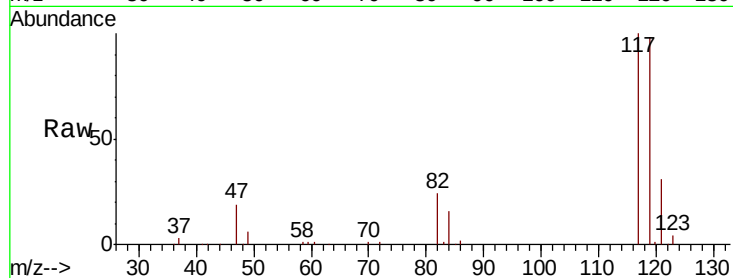
ClientSampleId :

Tot Ion:117 Resp: 134112

Ion Ratio Lower Upper

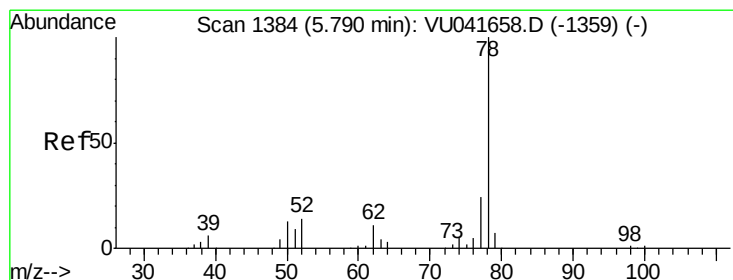
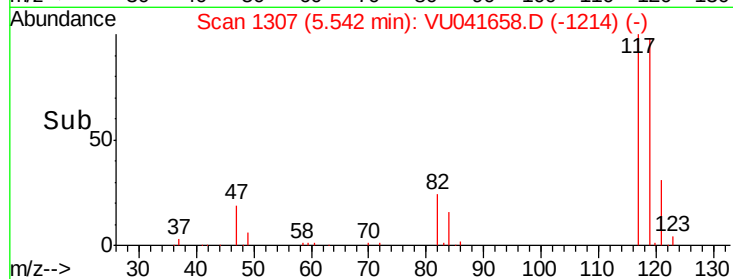
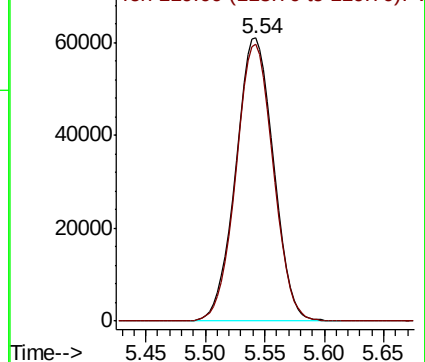
117 100

119 96.5 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: 49.733 ug/L

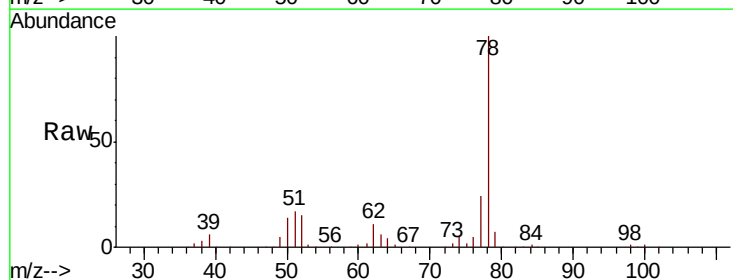
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

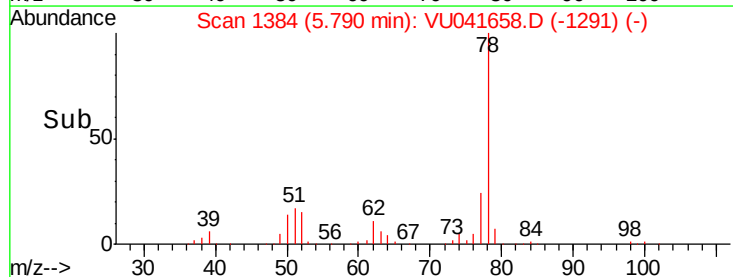
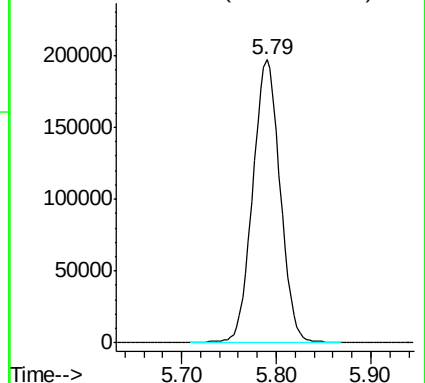
Lab File: VU041658.D

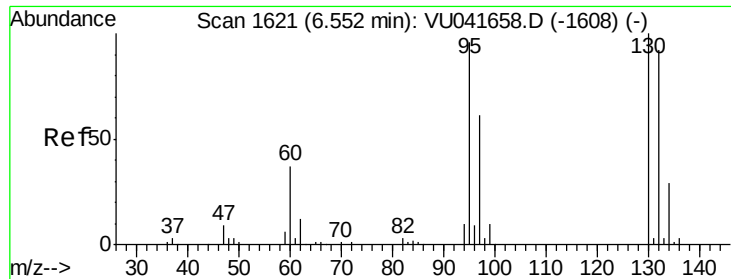
Acq: 16 Dec 2020 09:58

Tgt Ion: 78 Resp: 397332



Abundance Ion 78.00 (77.70 to 78.70): VU0

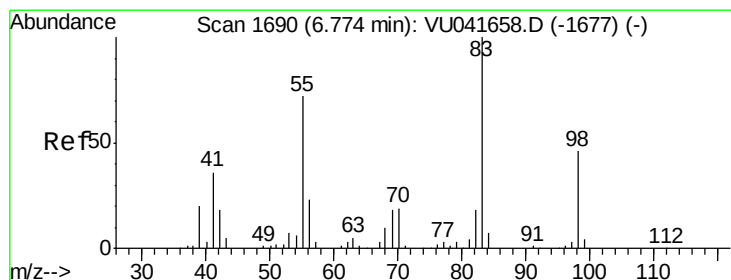
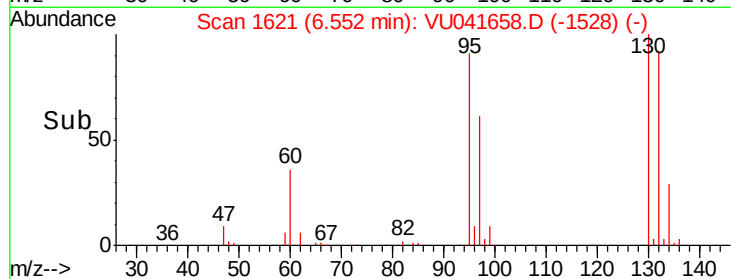
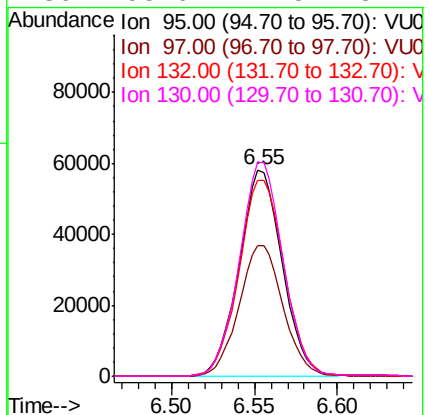
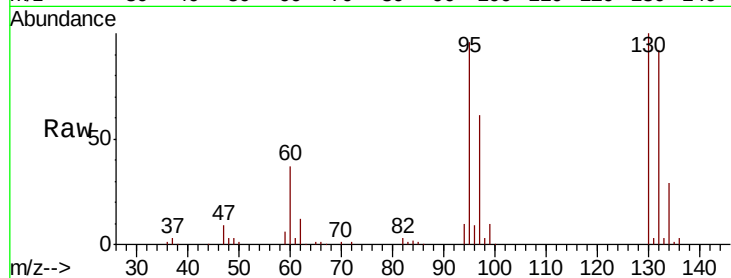




#34
 Trichloroethene
 Concen: 50.942 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

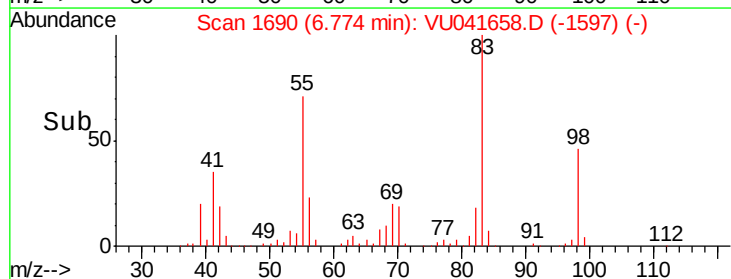
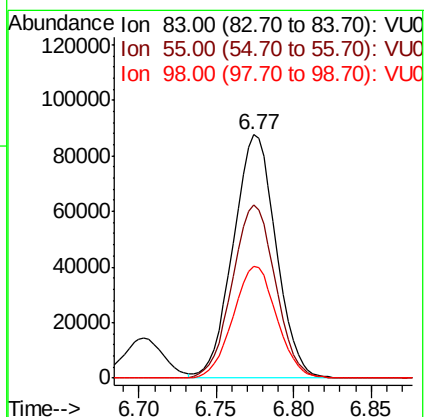
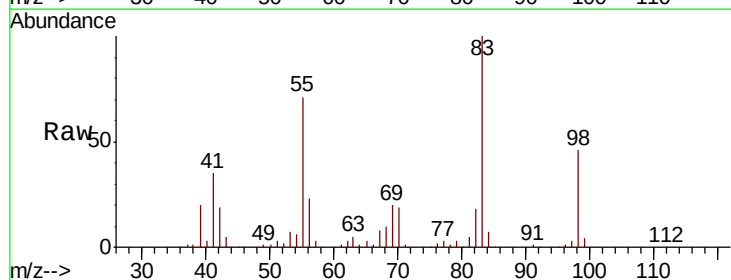
Instrument :
 MSVOA_U
 ClientSampled :

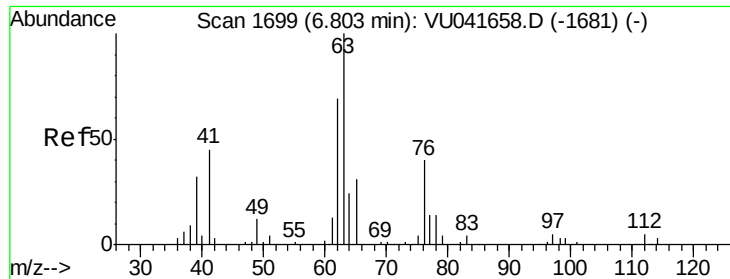
Tot Ion: 95 Resp: 105360
 Ion Ratio Lower Upper
 95 100
 97 63.6 44.5 82.7
 132 95.3 66.7 123.9
 130 103.6 72.5 134.7



#35
 Methylcyclohexane
 Concen: 52.770 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

Tgt Ion: 83 Resp: 167960
 Ion Ratio Lower Upper
 83 100
 55 72.2 57.8 86.6
 98 47.1 37.7 56.5

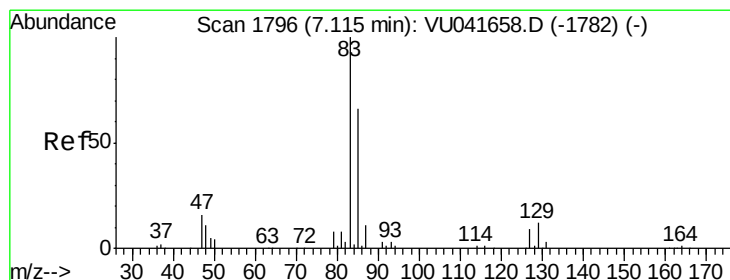
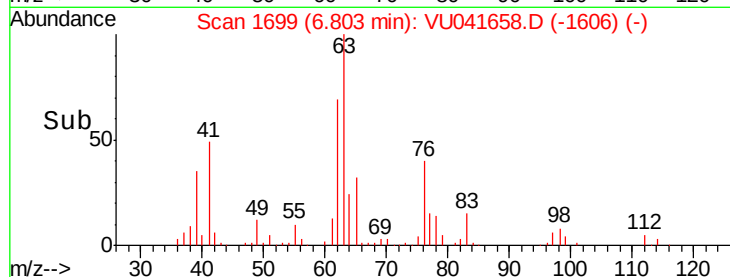
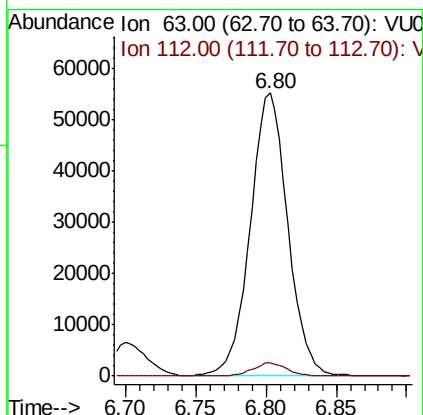
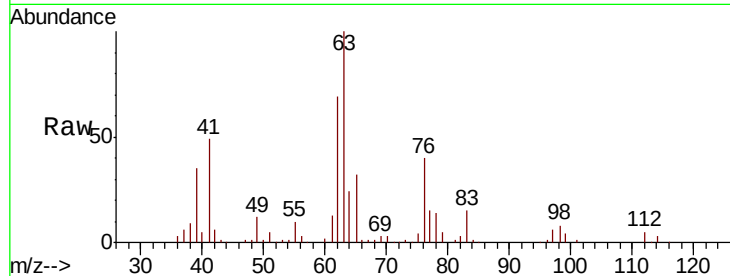




#37
 1,2-Dichloropropane
 Concen: 46.029 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

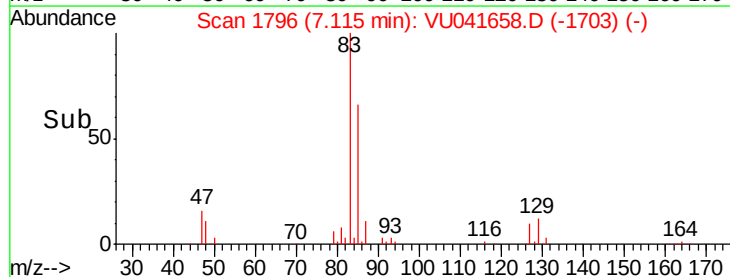
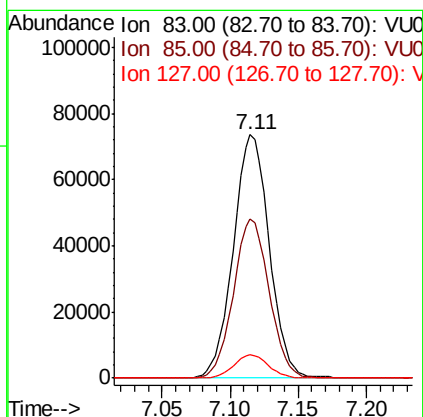
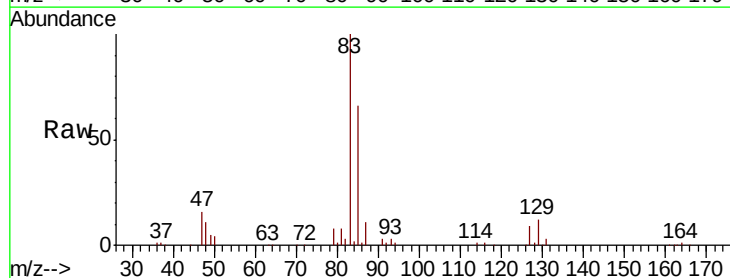
Instrument :
 MSVOA_U
 ClientSampled :

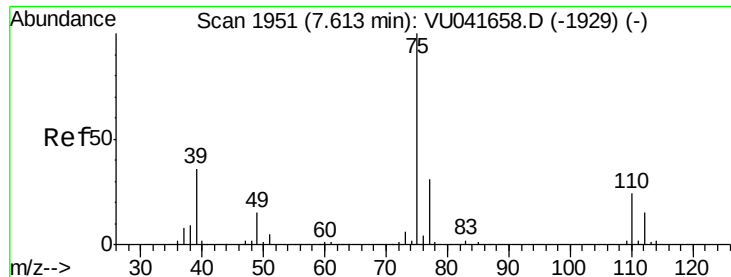
Tot Ion: 63 Resp: 102084
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 47.501 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

Tgt Ion: 83 Resp: 134507
 Ion Ratio Lower Upper
 83 100
 85 65.6 45.9 85.3
 127 9.4 7.5 11.3

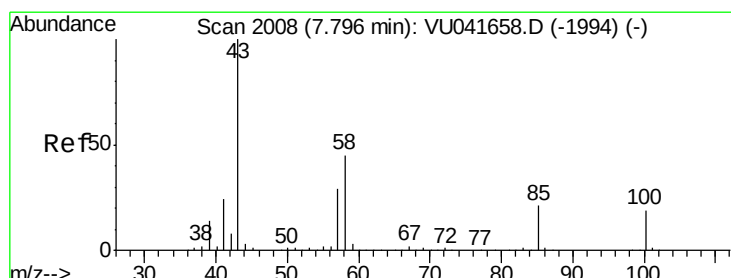
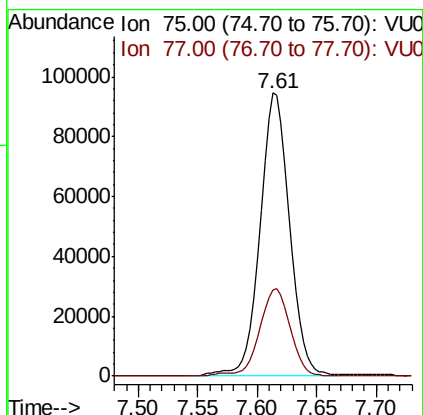
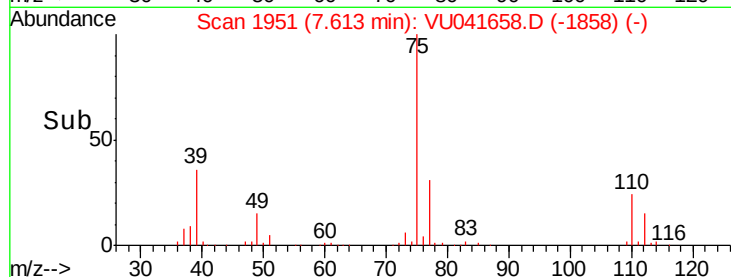
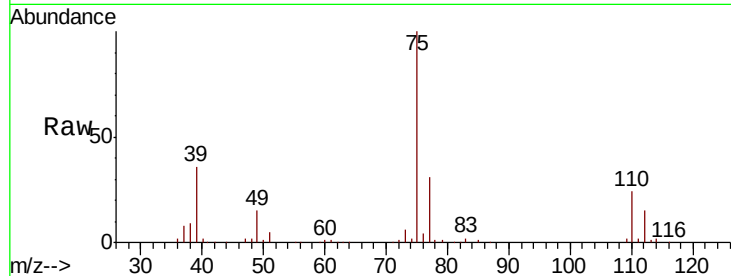




#39
 cis-1,3-Dichloropropene
 Concen: 50.370 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

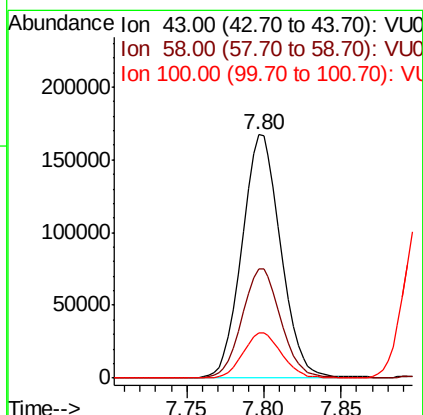
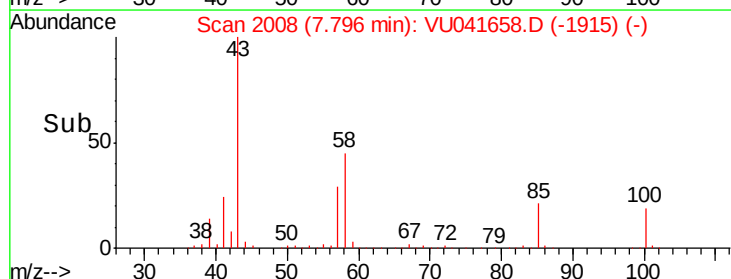
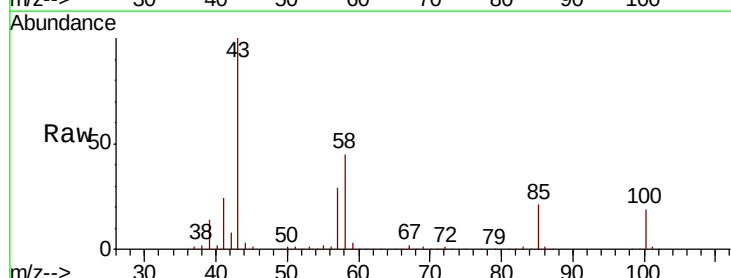
Instrument :
 MSVOA_U
 ClientSampled :

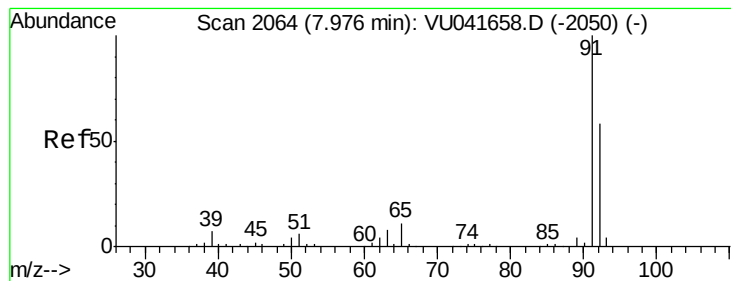
Tot Ion: 75 Resp: 162881
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 83.671 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

Tgt Ion: 43 Resp: 291602
 Ion Ratio Lower Upper
 43 100
 58 45.1 36.1 54.1
 100 18.6 14.9 22.3





#42

Toluene

Concen: 53.582 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041658.D

Acq: 16 Dec 2020 09:58

Instrument :

MSVOA_U

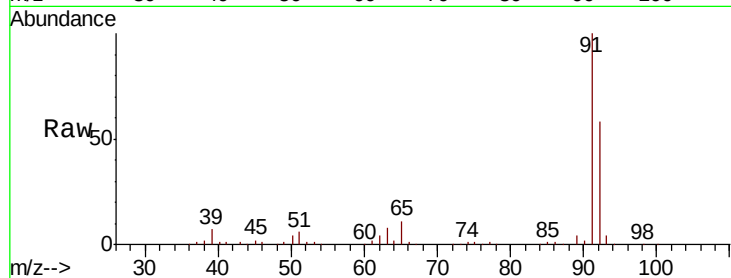
ClientSampled :

Tot Ion: 91 Resp: 438228

Ion Ratio Lower Upper

91 100

92 57.7 40.4 75.0



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

Ion 92.00 (91.70 to 92.70): VU041658.D (-2050) (-)

7.98

250000

200000

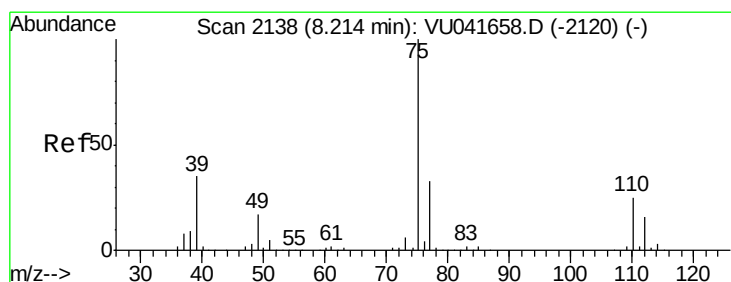
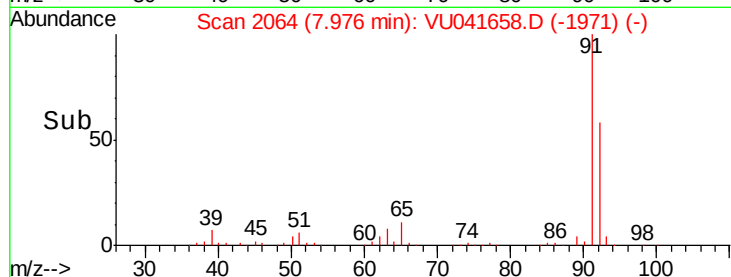
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.565 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041658.D

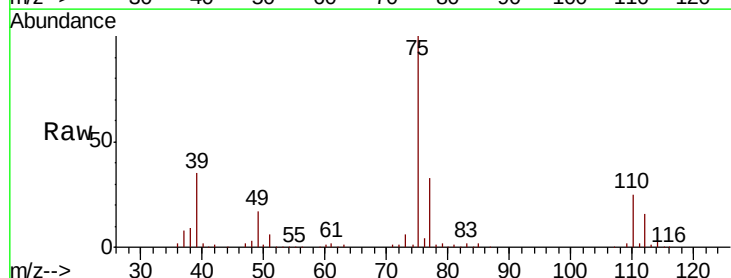
Acq: 16 Dec 2020 09:58

Tgt Ion: 75 Resp: 158339

Ion Ratio Lower Upper

75 100

77 32.8 23.0 42.6



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

Ion 77.00 (76.70 to 77.70): VU041658.D (-2120) (-)

8.21

100000

80000

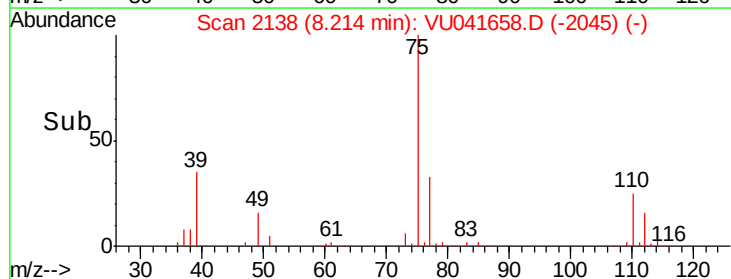
60000

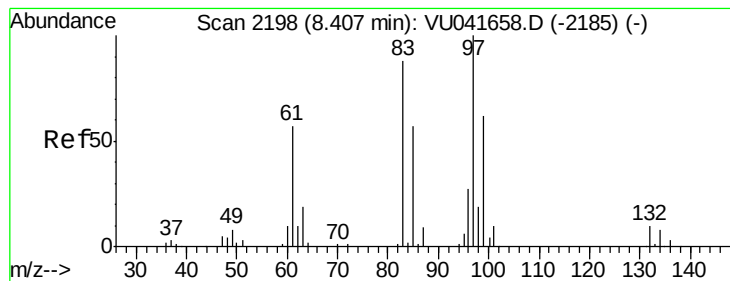
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 51.771 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU041658.D

Acq: 16 Dec 2020 09:58

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 102351

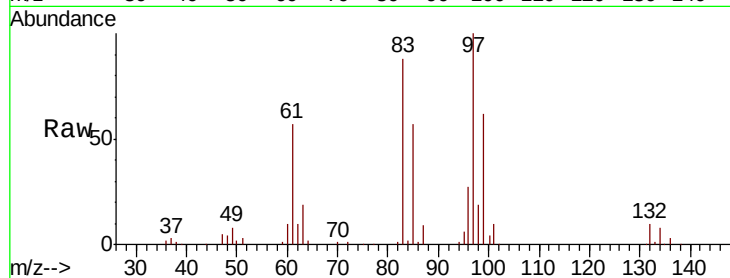
Ion Ratio Lower Upper

97 100

99 61.8 43.3 80.3

83 87.7 61.4 114.0

85 57.2 40.0 74.4

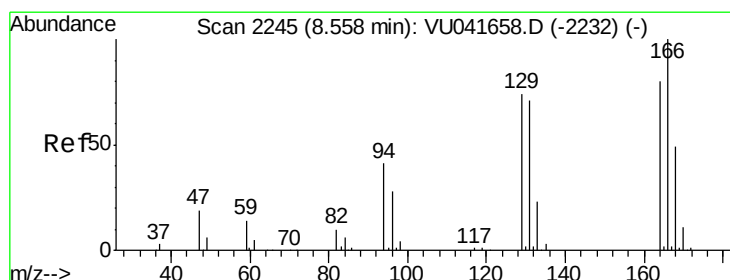
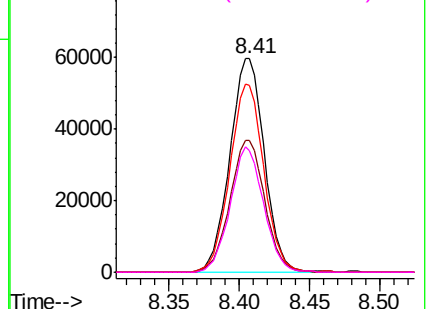
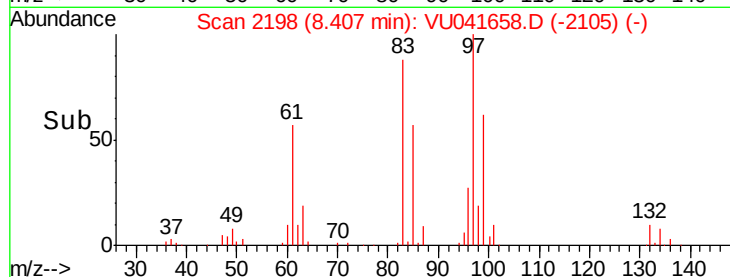


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 57.042 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041658.D

Acq: 16 Dec 2020 09:58

Tgt Ion: 164 Resp: 85143

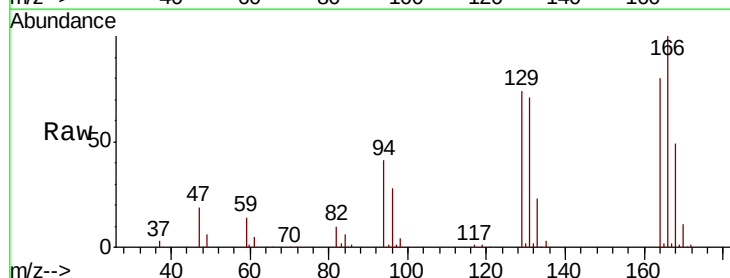
Ion Ratio Lower Upper

164 100

129 92.2 64.5 119.9

131 89.3 62.5 116.1

166 125.0 87.5 162.5

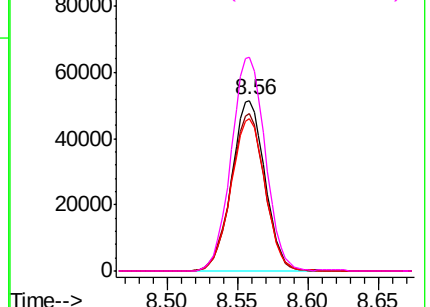
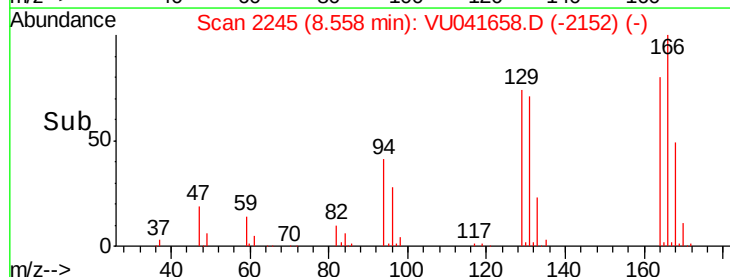


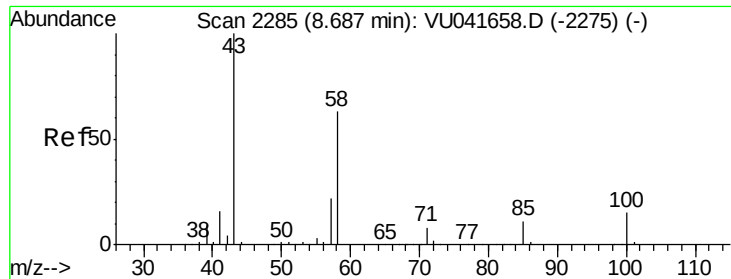
Abundance Ion 164.00 (163.70 to 164.70): V

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

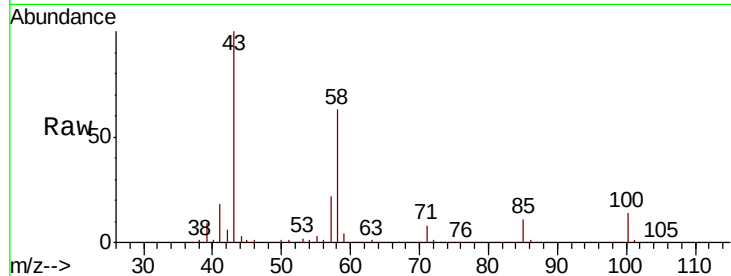




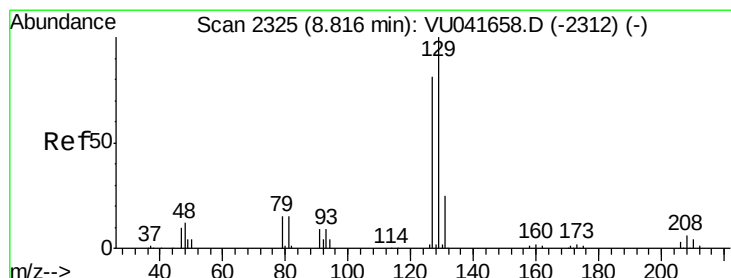
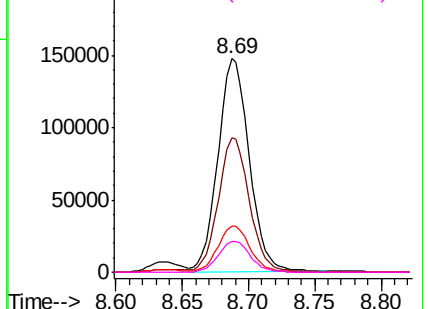
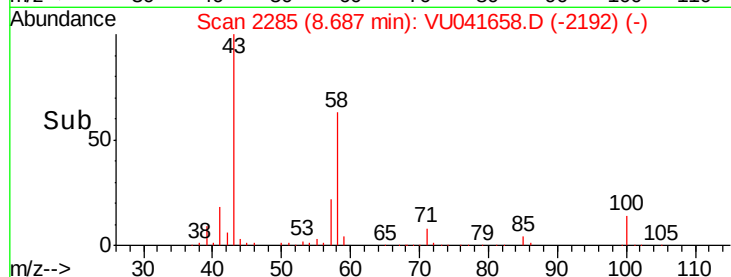
#48
2-Hexanone
Concen: 86.696 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VU041658.D
Acq: 16 Dec 2020 09:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 241824
Ion Ratio Lower Upper
43 100
58 63.0 50.4 75.6
57 22.4 17.9 26.9
100 14.9 11.9 17.9

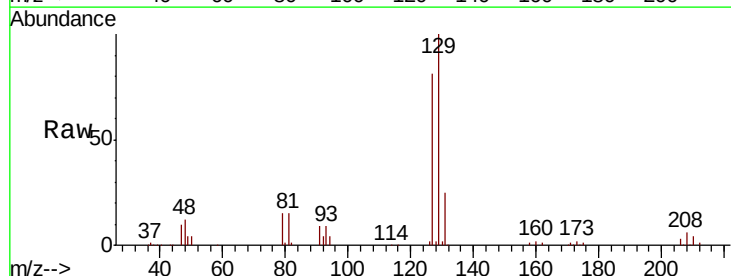


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

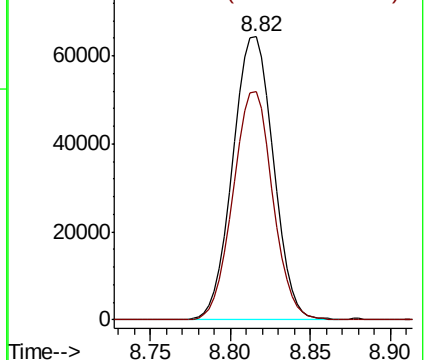
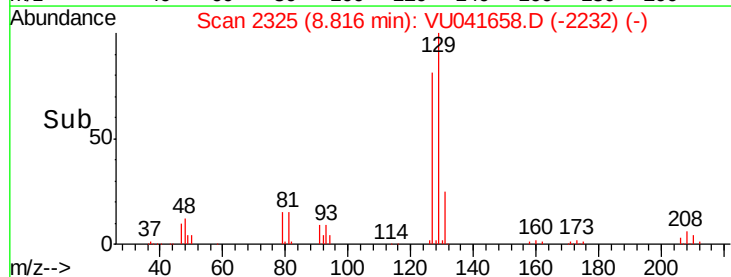


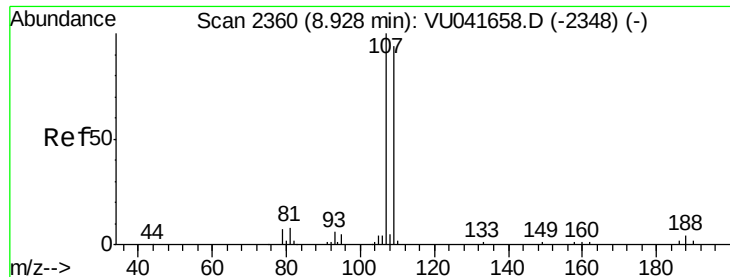
#49
Dibromochloromethane
Concen: 51.627 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041658.D
Acq: 16 Dec 2020 09:58

Tgt Ion: 129 Resp: 111681
Ion Ratio Lower Upper
129 100
127 80.9 56.6 105.2



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

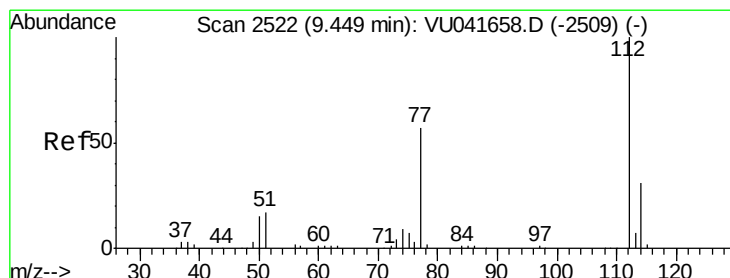
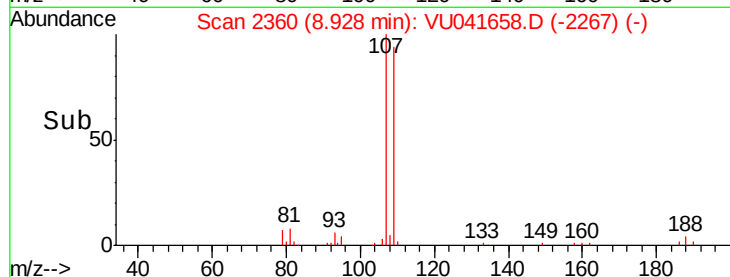
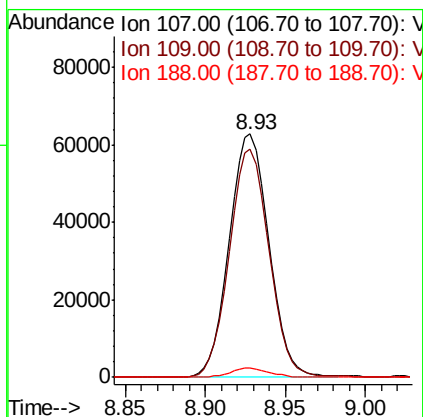
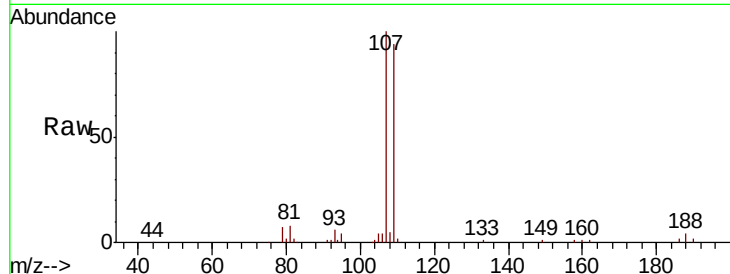




#50
 1,2-Dibromoethane
 Concen: 50.404 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

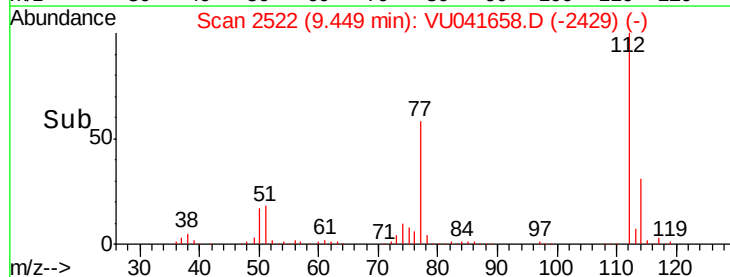
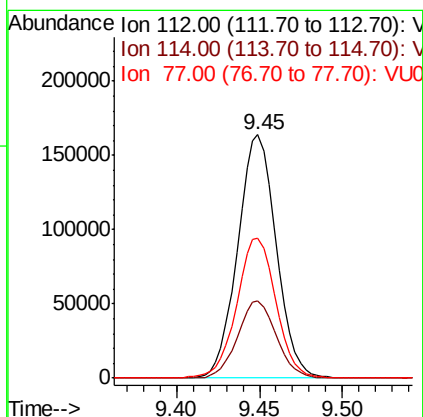
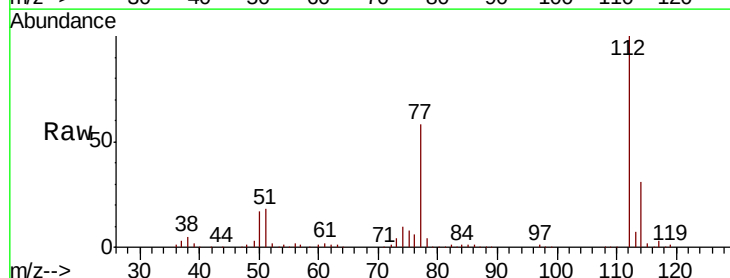
Instrument :
 MSVOA_U
 ClientSampleId :

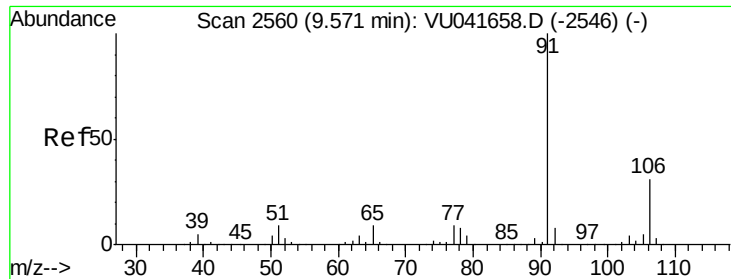
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	65.7	122.1
188	3.6	2.9	4.3



#51
 Chlorobenzene
 Concen: 49.405 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.0	41.0
77	57.5	46.0	69.0





#52

Ethylbenzene

Concen: 50.238 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041658.D

Acq: 16 Dec 2020 09:58

Instrument :

MSVOA_U

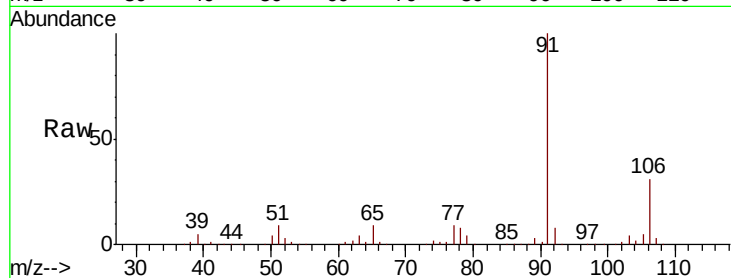
ClientSampled :

Tot Ion: 91 Resp: 451371

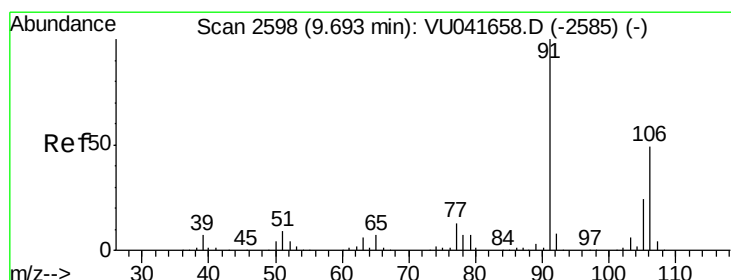
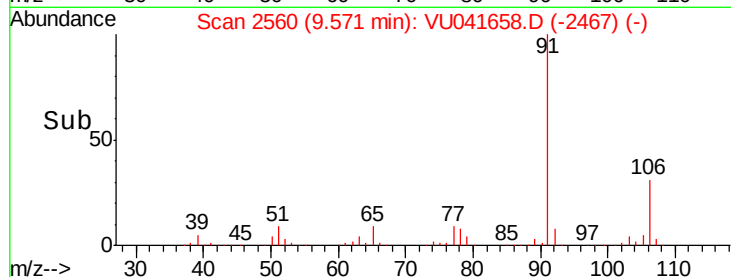
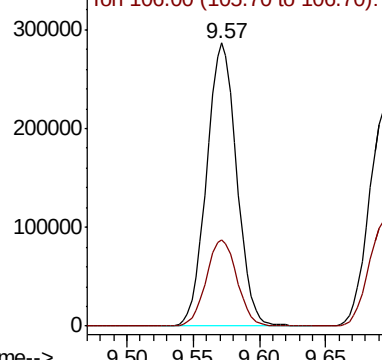
Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU041658.D (-2546) (-)



#53

m,p-Xylene

Concen: 53.453 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041658.D

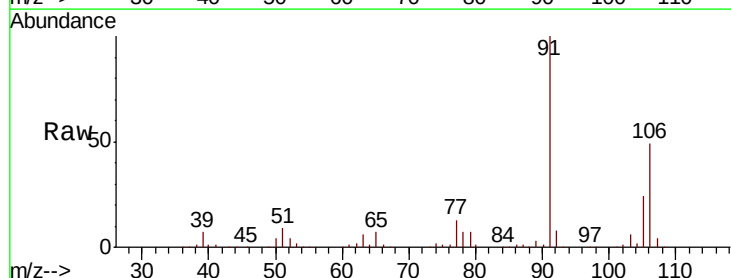
Acq: 16 Dec 2020 09:58

Tgt Ion: 106 Resp: 176393

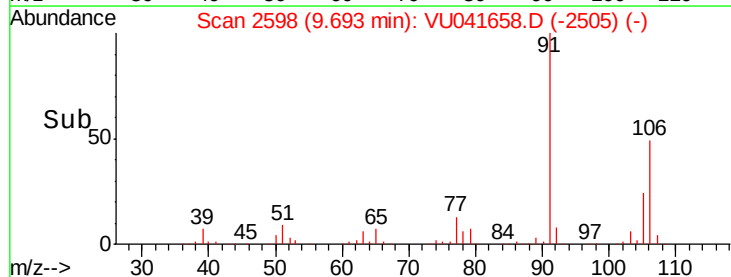
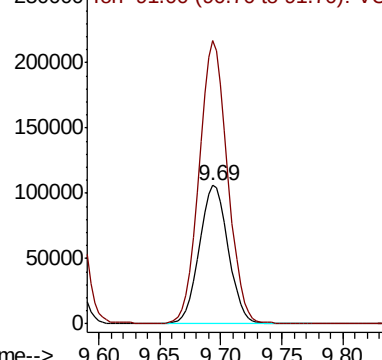
Ion Ratio Lower Upper

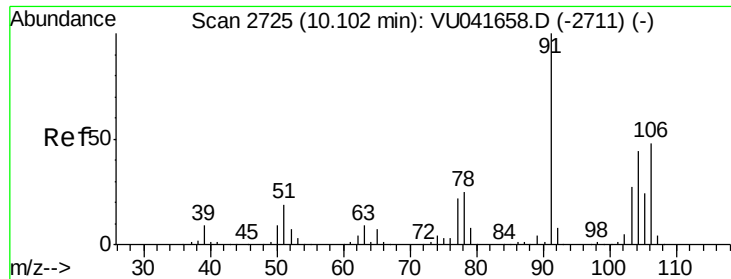
106 100

91 204.6 143.2 266.0



Abundance Ion 106.00 (105.70 to 106.70): VU041658.D (-2585) (-)





#54

o-xylene

Concen: 53.437 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU041658.D

Acq: 16 Dec 2020 09:58

Instrument :

MSVOA_U

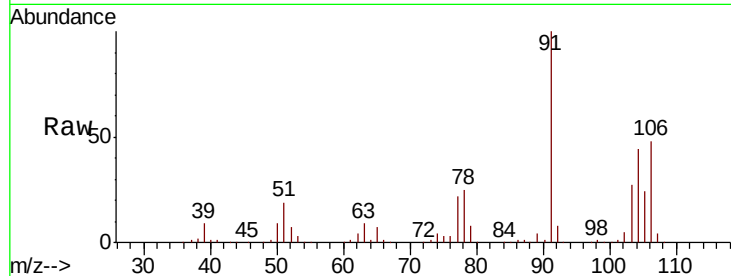
ClientSampleId :

Tot Ion:106 Resp: 172432

Ion Ratio Lower Upper

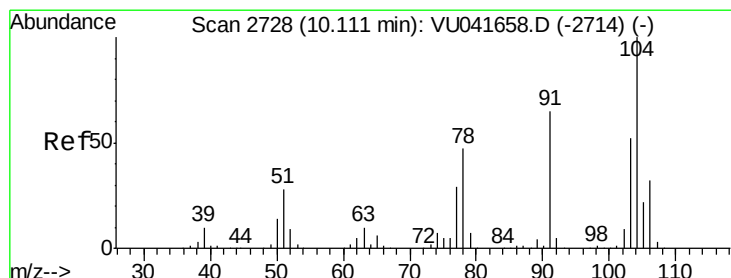
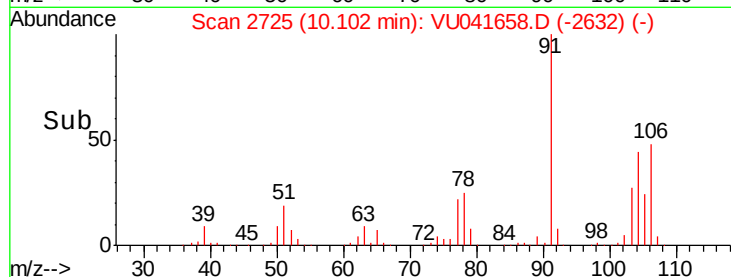
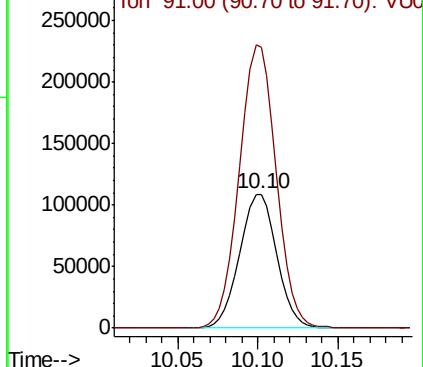
106 100

91 210.3 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.510 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. 0.00 min

Lab File: VU041658.D

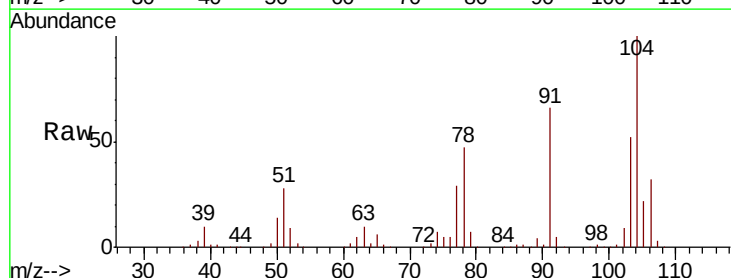
Acq: 16 Dec 2020 09:58

Tgt Ion:104 Resp: 293902

Ion Ratio Lower Upper

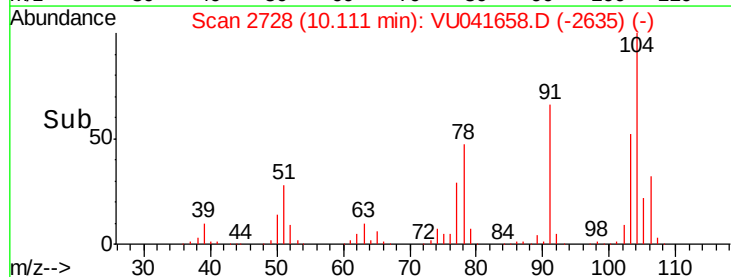
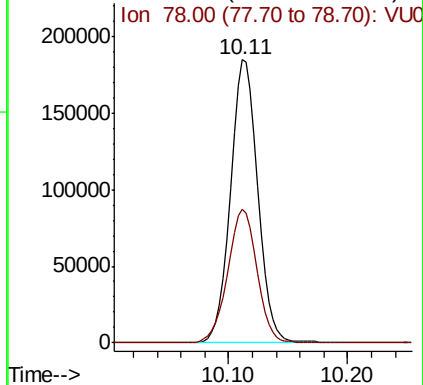
104 100

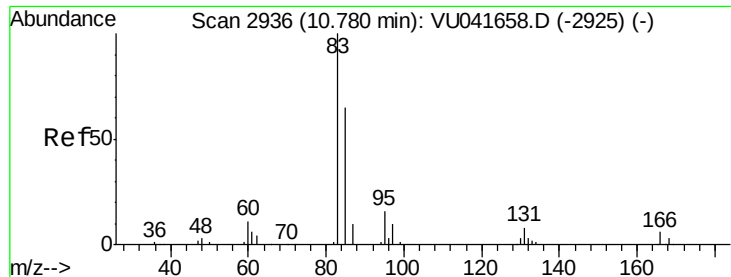
78 47.3 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

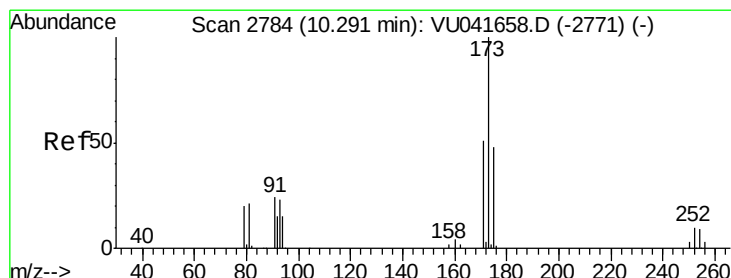
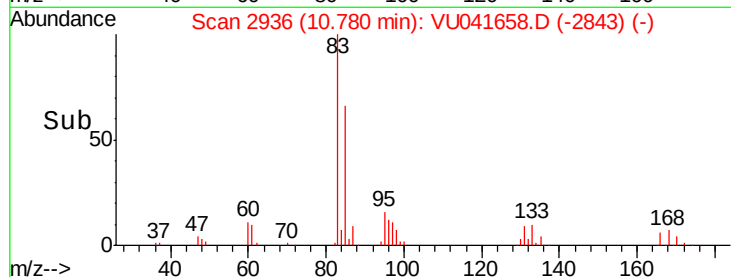
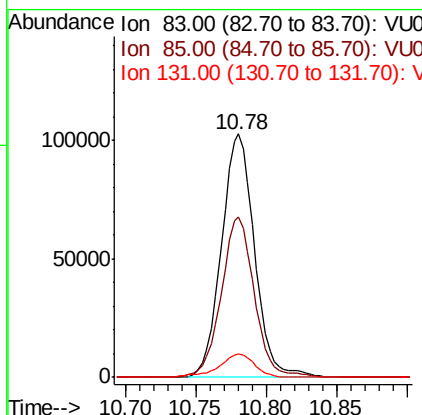
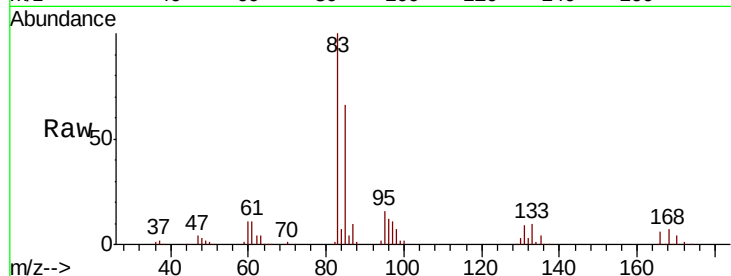




#57
 1,1,2,2-Tetrachloroethane
 Concen: 48.811 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

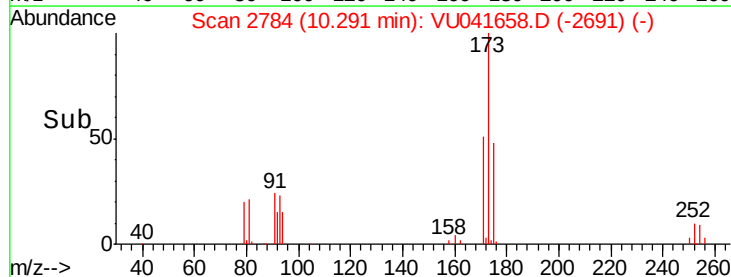
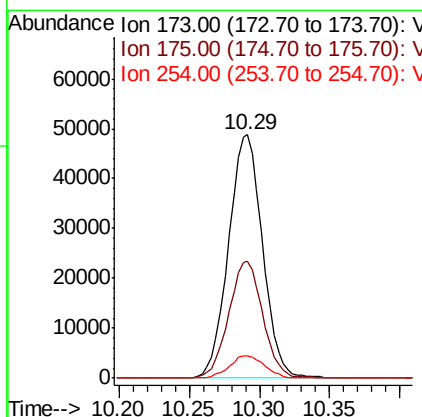
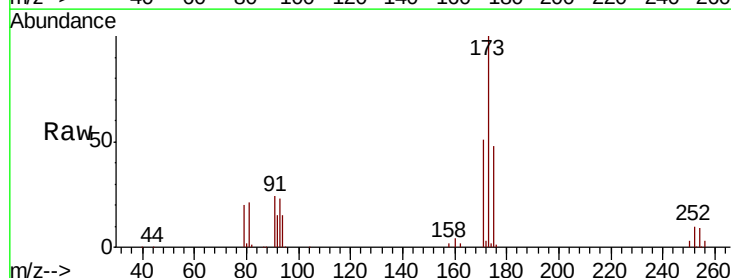
Instrument :
 MSVOA_U
 ClientSampleId :

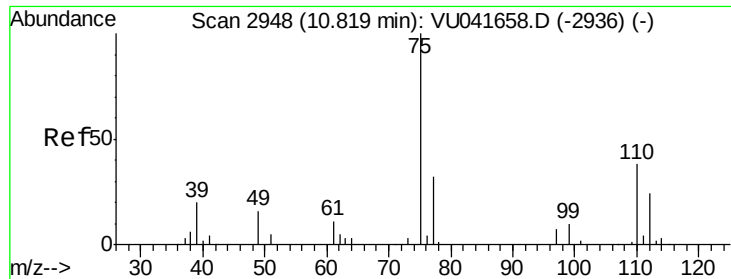
Tot Ion	83	Resp	168023
Ion	Ratio	Lower	Upper
83	100		
85	65.9	46.1	85.7
131	9.4	7.5	11.3



#59
 Bromoform
 Concen: 53.361 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

Tgt Ion	173	Resp	82279
Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.3	57.5
254	9.5	7.6	11.4

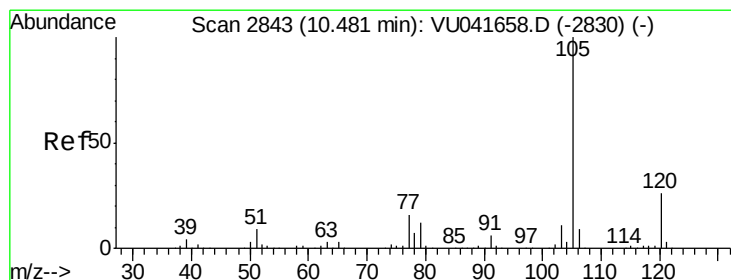
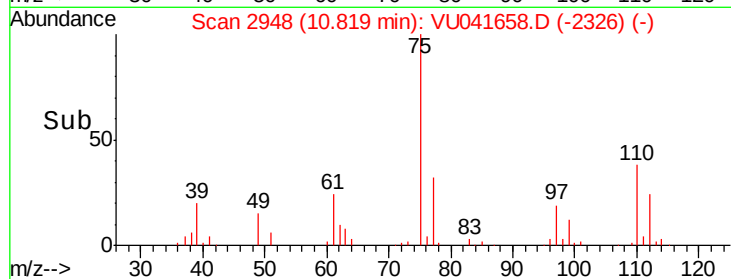
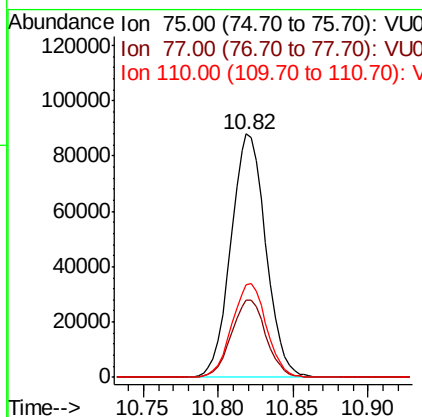
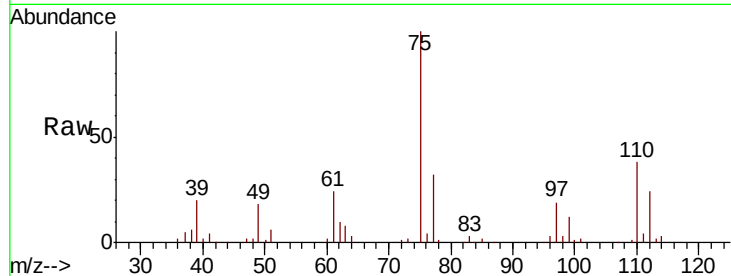




#60
 1,2,3-Trichloropropane
 Concen: 48.688 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

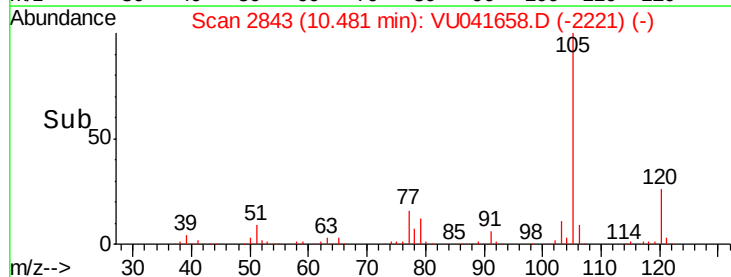
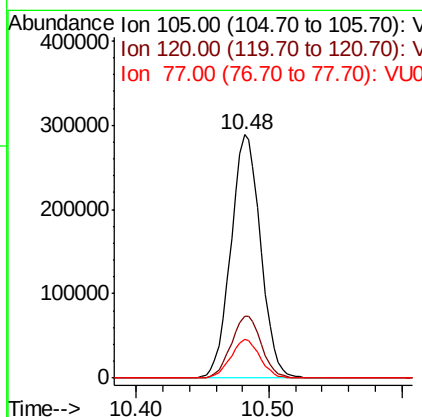
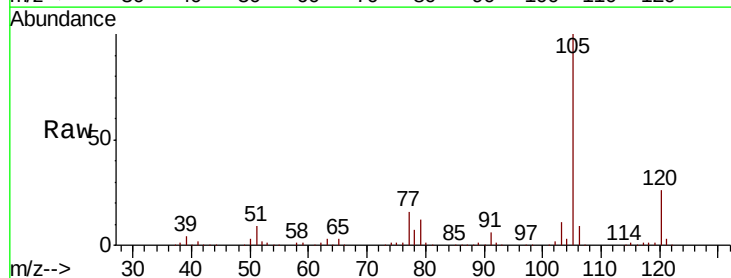
Instrument :
 MSVOA_U
 ClientSampled :

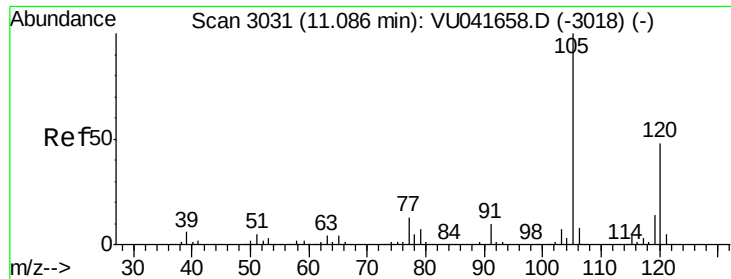
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8
110	38.1	30.5	45.7



#61
 Isopropylbenzene
 Concen: 52.187 ug/L
 RT: 10.48 min Scan# 2843
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.7	31.1
77	15.7	12.6	18.8

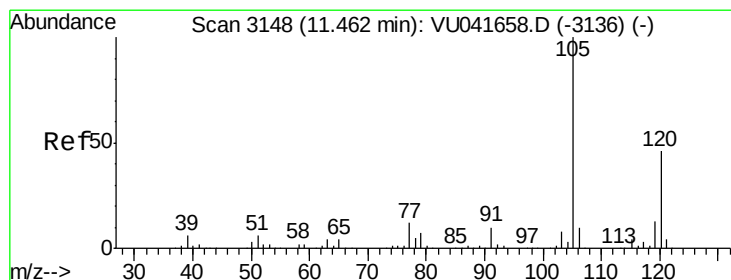
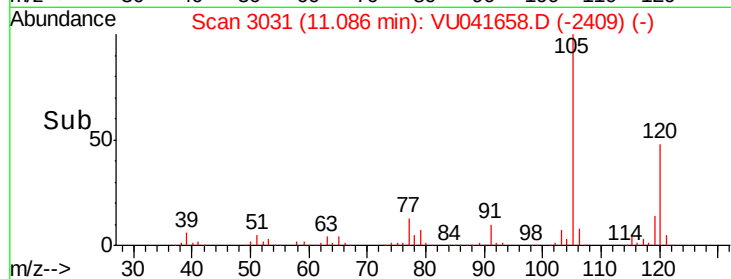
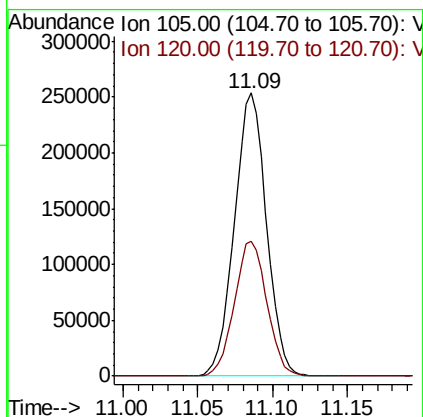
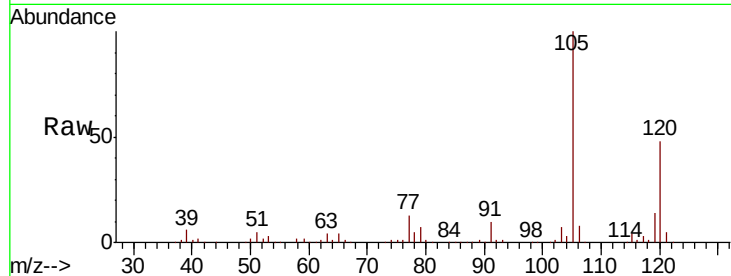




#62
 1,3,5-Trimethylbenzene
 Concen: 53.674 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

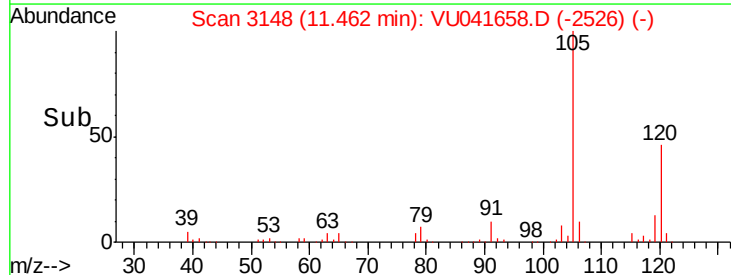
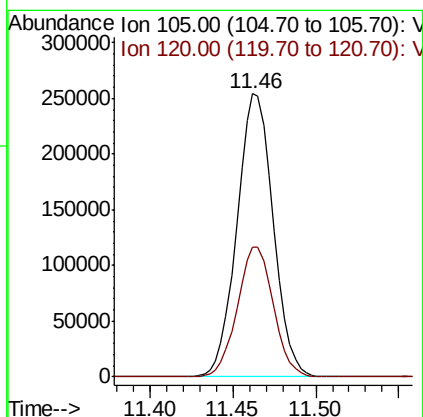
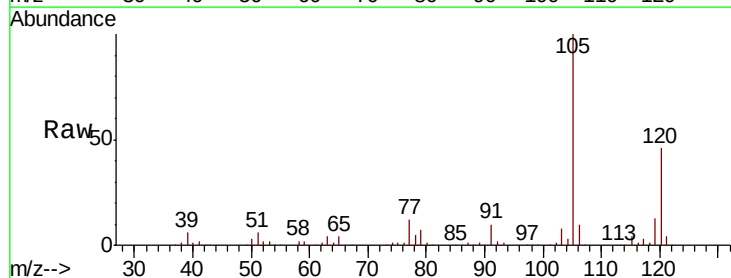
Instrument :
 MSVOA_U
 ClientSampled :

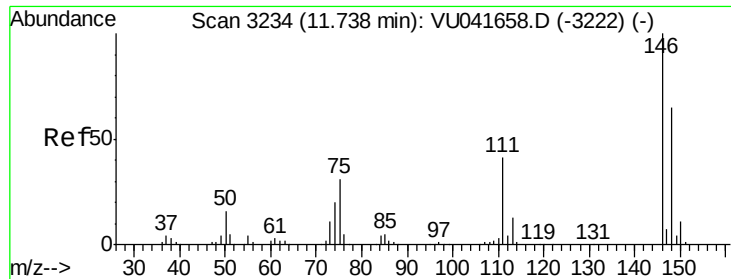
Tot Ion:105 Resp: 378124
 Ion Ratio Lower Upper
 105 100
 120 48.3 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 54.250 ug/L
 RT: 11.46 min Scan# 3148
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

Tgt Ion:105 Resp: 386065
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.5 54.7

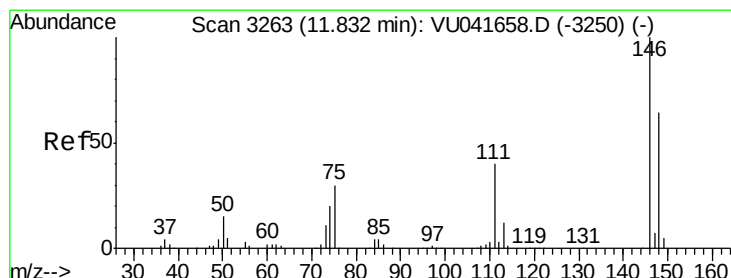
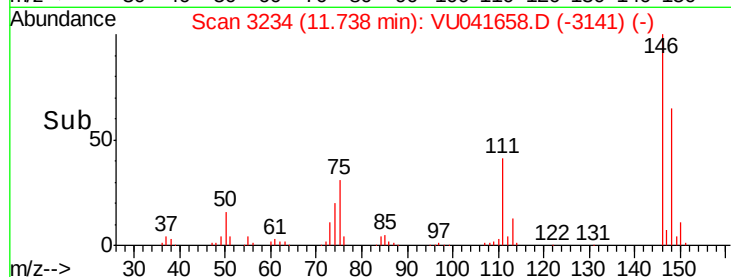
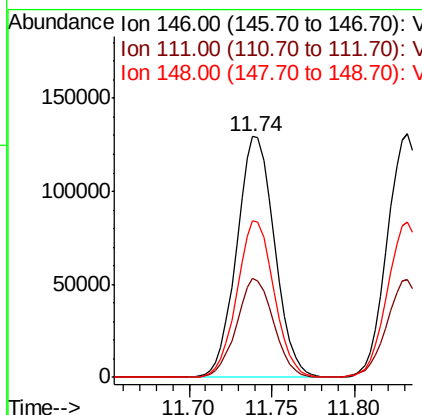
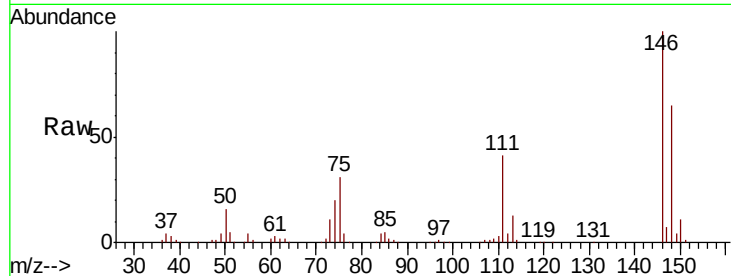




#64
 1,3-Dichlorobenzene
 Concen: 50.238 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

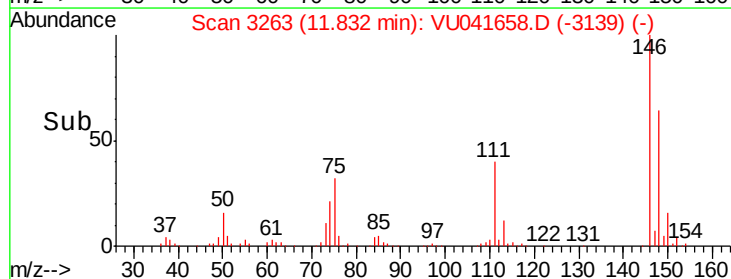
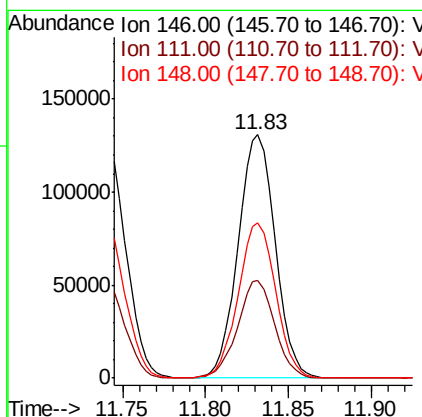
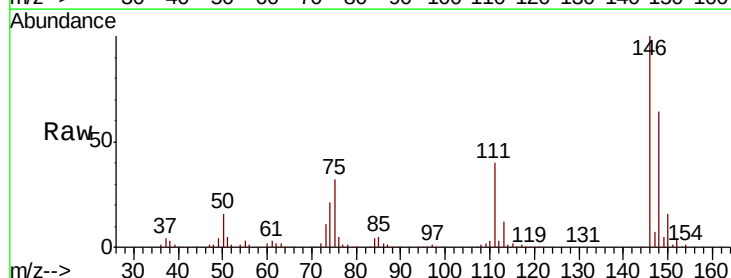
Instrument :
 MSVOA_U
 ClientSampleId :

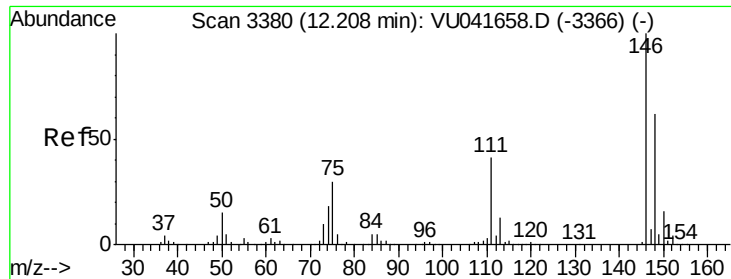
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	28.7	53.3
148	65.0	45.5	84.5



#65
 1,4-Dichlorobenzene
 Concen: 48.443 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	28.1	52.1
148	64.0	44.8	83.2

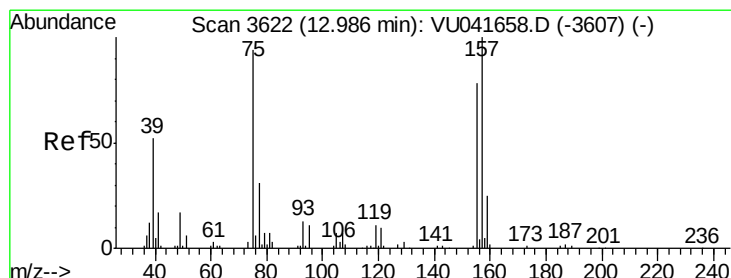
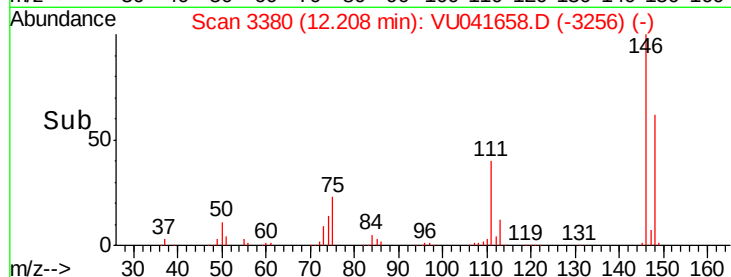
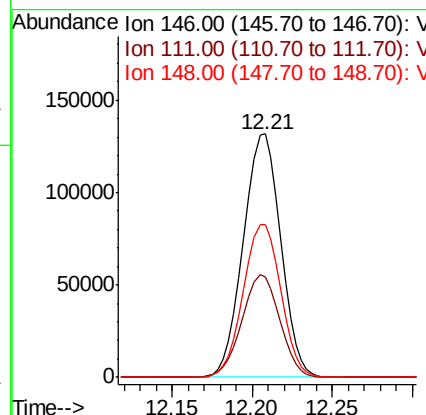
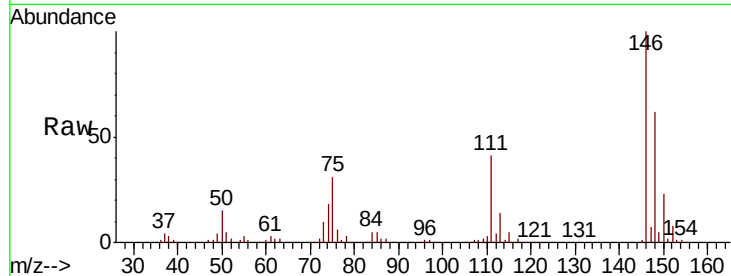




#67
 1,2-Dichlorobenzene
 Concen: 51.485 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

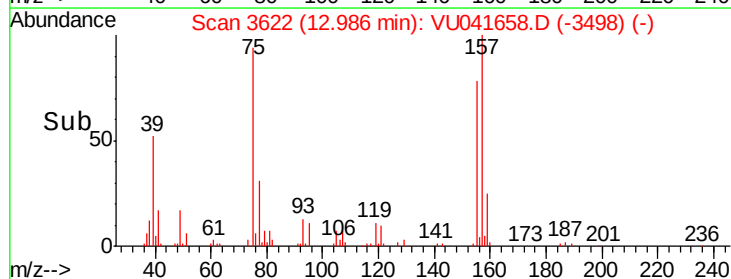
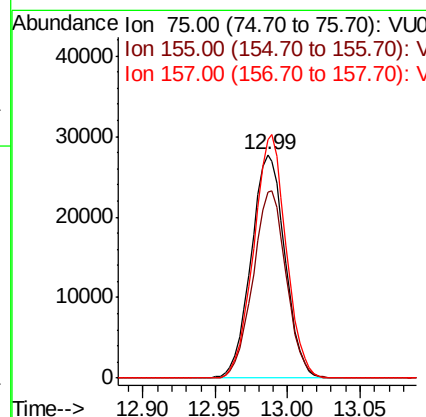
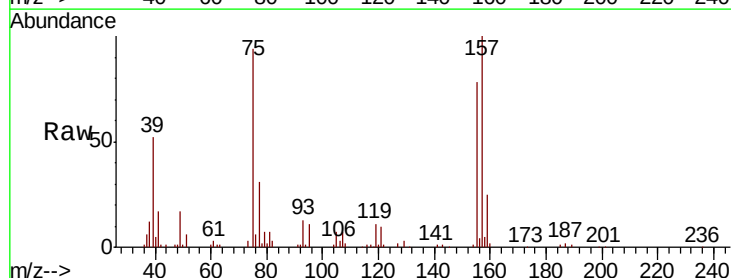
Instrument :
 MSVOA_U
 ClientSampleId :

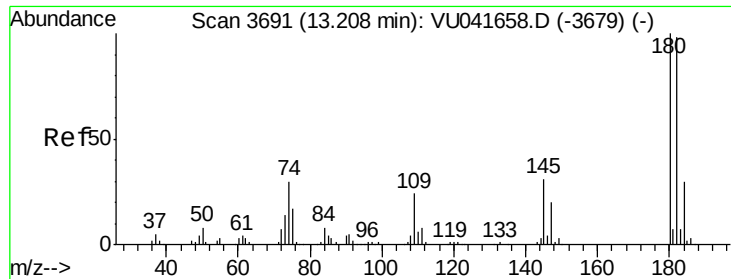
Tot Ion:146 Resp: 210709
 Ion Ratio Lower Upper
 146 100
 111 41.3 33.0 49.6
 148 62.5 50.0 75.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 53.483 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

Tgt Ion: 75 Resp: 45010
 Ion Ratio Lower Upper
 75 100
 155 83.5 66.8 100.2
 157 106.9 85.5 128.3

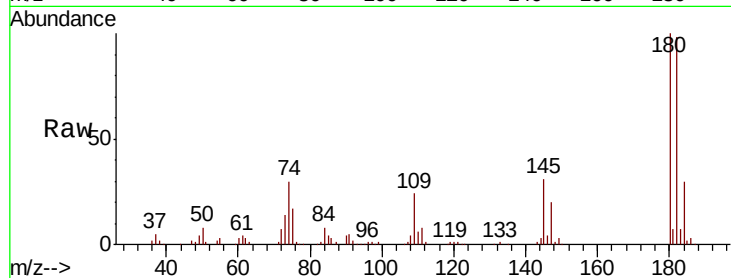




#69
 1,3,5-Trichlorobenzene
 Concen: 55.623 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.1	115.7
184	29.9	23.9	35.9
145	29.7	23.8	35.6



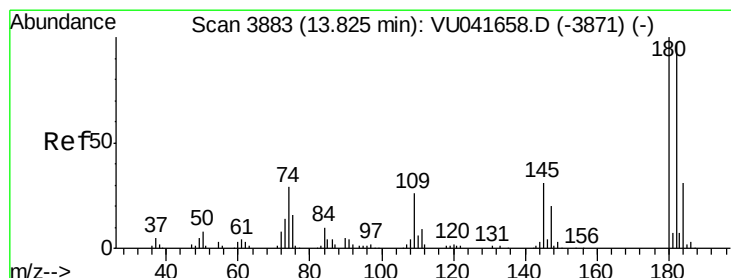
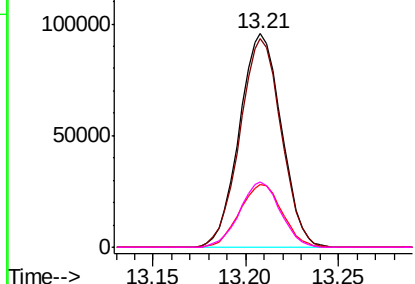
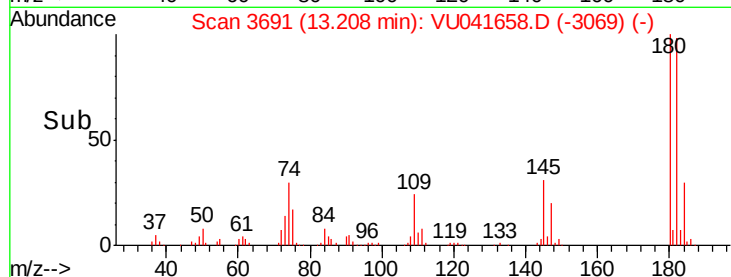
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

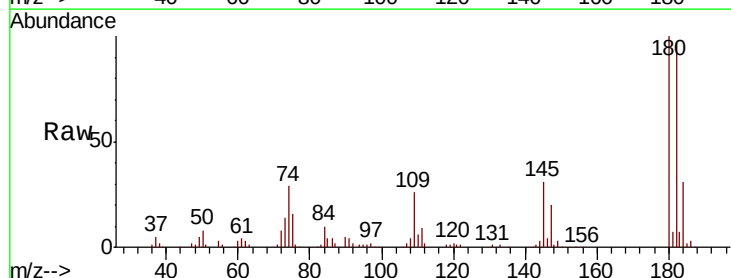
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 54.673 ug/L
 RT: 13.83 min Scan# 3883
 Delta R.T. 0.00 min
 Lab File: VU041658.D
 Acq: 16 Dec 2020 09:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
145	30.1	24.1	36.1

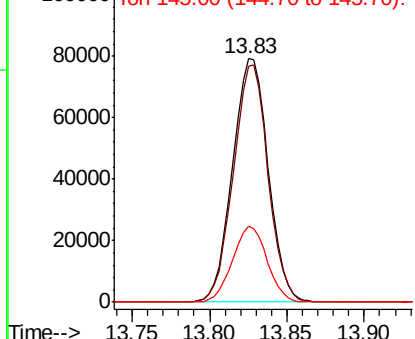
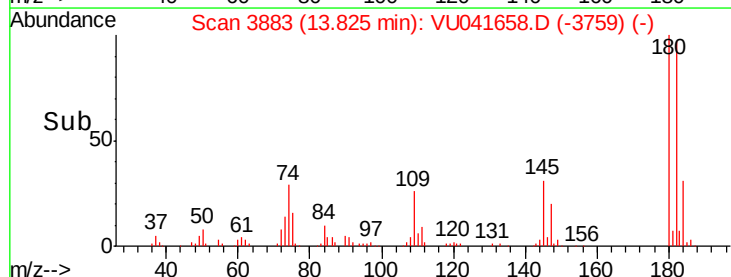


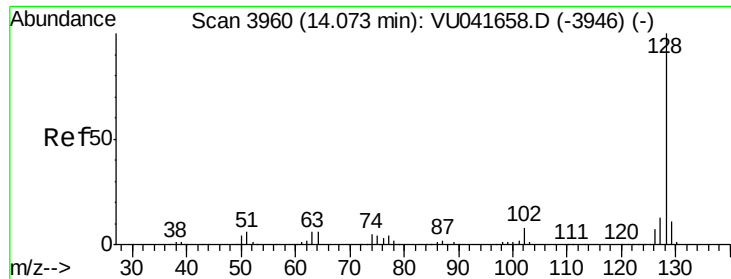
Abundance

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

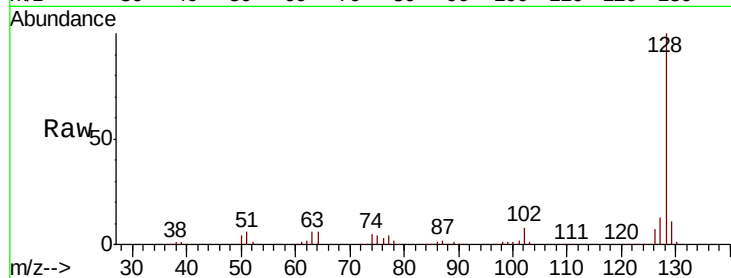




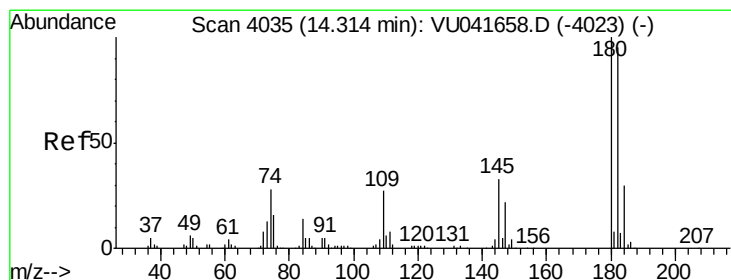
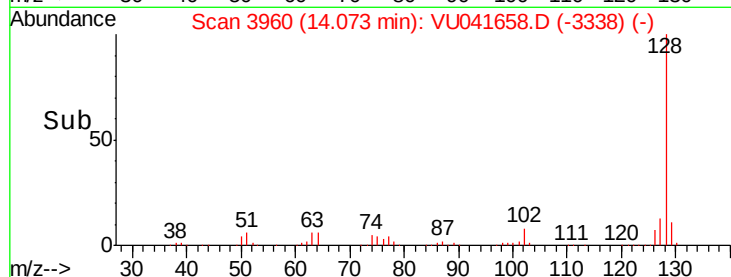
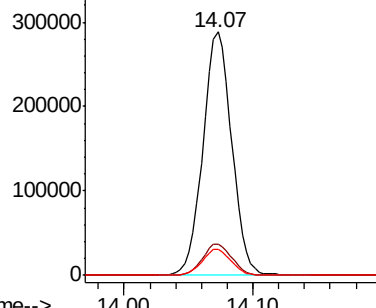
#71
Naphthalene
Concen: 61.963 ug/L
RT: 14.07 min Scan# 3960
Delta R.T. 0.00 min
Lab File: VU041658.D
Acq: 16 Dec 2020 09:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 446662
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.8 8.6 13.0

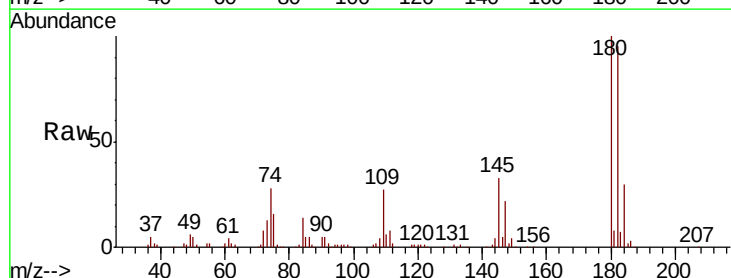


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 57.884 ug/L
RT: 14.31 min Scan# 4035
Delta R.T. 0.00 min
Lab File: VU041658.D
Acq: 16 Dec 2020 09:58

Tgt Ion:180 Resp: 131853
Ion Ratio Lower Upper
180 100
182 94.7 75.8 113.6
145 32.8 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

