

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U091120\
 Data File : VU040108.D
 Acq On : 11 Sep 2020 17:23
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 12 05:05:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091120DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Sep 11 13:27:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.13	96	29921	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	11899	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	11050	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
Target Compounds						Ovalue
2) Dichlorodifluoromethane	1.39	85	128256	9.691	ug/l	99
3) Chloromethane	1.52	50	102467	9.676	ug/l	96
4) Vinyl Chloride	1.61	62	112902	9.442	ug/l	99
5) Bromomethane	1.87	94	53684	14.324	ug/l	96
6) Chloroethane	1.94	64	64695	9.445	ug/l	97
7) Trichlorofluoromethane	2.15	101	156948	9.303	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	74260	9.852	ug/l	99
9) 1,1-Dichloroethene	2.59	96	56190	9.736	ug/l	97
13) Acetone	2.68	43	208058	47.573	ug/l	94
14) Carbon Disulfide	2.81	76	89304	8.847	ug/l	100
15) Methylene Chloride	3.06	84	77574	7.999	ug/l	97
16) trans-1,2-Dichloroethene	3.37	96	63847	10.293	ug/l	97
17) 1,1-Dichloroethane	3.89	63	149865	9.838	ug/l	99
18) 2-Butanone	4.74	43	343906	52.064	ug/l	100
19) Cyclohexane	5.40	56	100818	10.659	ug/l	99
20) Methylcyclohexane	6.78	83	105016	10.960	ug/l	97
22) cis-1,2-Dichloroethene	4.69	96	82700	10.576	ug/l	83
23) Diethyl Ether	2.59	59	5019	13.471	ug/l #	13
25) Methyl tert-Butyl Ether	3.38	73	216355	10.350	ug/l	98
26) Bromochloromethane	4.99	128	37227	9.795	ug/l	95
27) Chloroform	5.11	83	164701	9.884	ug/l	97
28) 1,1,1-Trichloroethane	5.33	97	137203	9.800	ug/l	99
30) Carbon Tetrachloride	5.54	117	114589	9.964	ug/l	100
35) Benzene	5.79	78	302164	10.109	ug/l	99
36) 1,2-Dichloroethane	5.81	62	116207	9.674	ug/l	100
37) Trichloroethene	6.56	130	77163	10.050	ug/l	99
38) 1,2-Dichloropropane	6.80	63	88751	9.593	ug/l	97
44) Bromodichloromethane	7.12	83	124458	9.844	ug/l	100
45) 4-Methyl-2-Pentanone	7.80	43	793756	52.647	ug/l	100
46) t-1,4-Dichloro-2-butene	10.82	75	70731	19.477	ug/l #	16
47) Methyl methacrylate	6.77	69	22301	21.484	ug/l #	1
49) Toluene	7.98	92	200991	10.602	ug/l	98
50) t-1,3-Dichloropropene	8.22	75	119191	10.063	ug/l	97
51) cis-1,3-Dichloropropene	7.62	75	126023	10.341	ug/l	98
52) 1,1,2-Trichloroethane	8.41	97	68834	9.366	ug/l	94
54) 2-Hexanone	8.69	43	571159	53.591	ug/l	99
55) Dibromochloromethane	8.82	129	82371	9.692	ug/l	99
56) 1,2-Dibromoethane	8.93	107	64117	9.493	ug/l	100
58) Tetrachloroethene	8.56	164	57419	10.060	ug/l	97
59) Chlorobenzene	9.45	112	229080	10.277	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.53	131	408	13.413	ug/l #	69

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091120\
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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

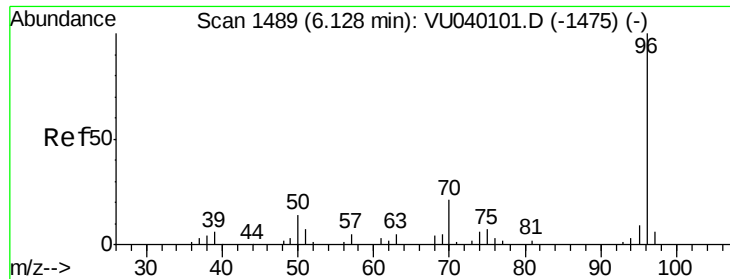
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 12 05:05:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091120DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Sep 11 13:27:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

61) Pentachloroethane	11.46	117	11760	9.989	ug/l #	16
63) Ethyl Benzene	9.57	91	404275	10.922	ug/l	99
64) m/p-Xylenes	9.69	106	155748	22.153	ug/l	100
65) o-Xylene	10.10	106	151203	11.209	ug/l	98
66) Styrene	10.11	104	271257	11.266	ug/l	100
67) Bromoform	10.29	173	44544	10.009	ug/l	99
69) Isopropylbenzene	10.48	105	409891	10.968	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.78	83	92133	9.627	ug/l	98
71) 1,2,3-Trichloropropane	10.82	75	70731	9.669	ug/l	83
73) n-propylbenzene	11.09	120	175222	11.543	ug/l #	1
75) 1,3,5-Trimethylbenzene	11.09	105	371704	11.413	ug/l	98
77) tert-Butylbenzene	11.46	119	44511	11.395	ug/l #	60
78) 1,2,4-Trimethylbenzene	11.46	105	373702	11.535	ug/l	100
79) sec-Butylbenzene	11.46	105	373702	11.535	ug/l #	58
82) 1,3-Dichlorobenzene	11.74	146	194141	10.307	ug/l	99
83) 1,4-Dichlorobenzene	11.83	146	192484	10.452	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	182265	10.383	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.99	75	16473	10.114	ug/l	96
87) 1,2,4-Trichlorobenzene	13.83	180	117241	11.622	ug/l	98
89) Naphthalene	14.08	128	232681	12.493	ug/l	100
90) 1,2,3-Trichlorobenzene	14.32	180	110064	11.481	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1490

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 96 Resp: 29921

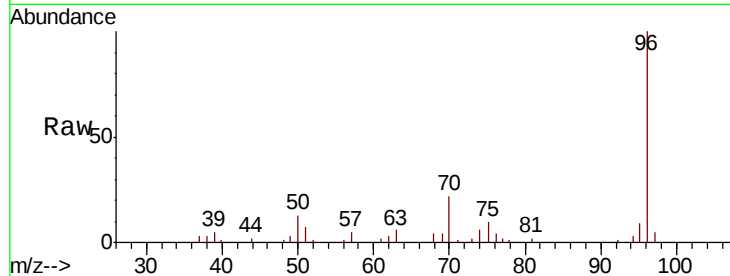
Ion Ratio Lower Upper

96 100

70 21.2 17.1 25.7

95 8.2 7.6 11.4

97 0.0 0.0 0.0

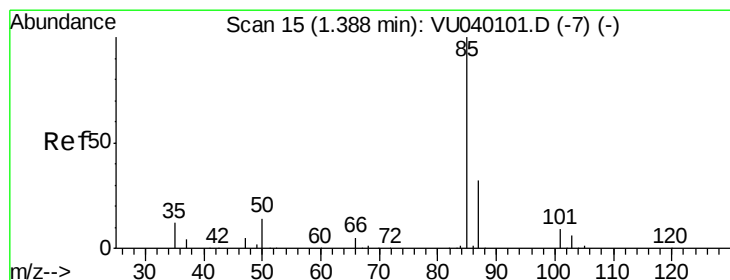
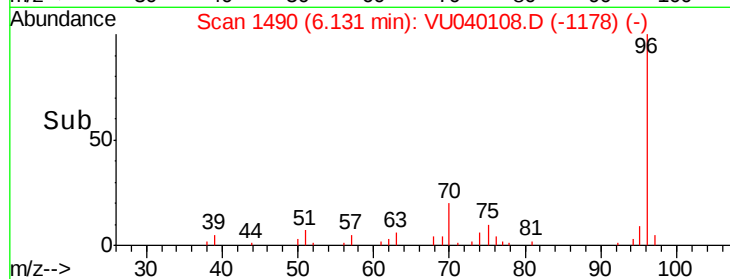
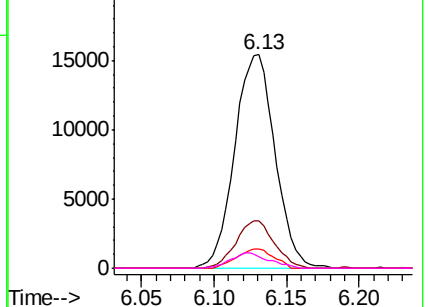


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 9.691 ug/l

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040108.D

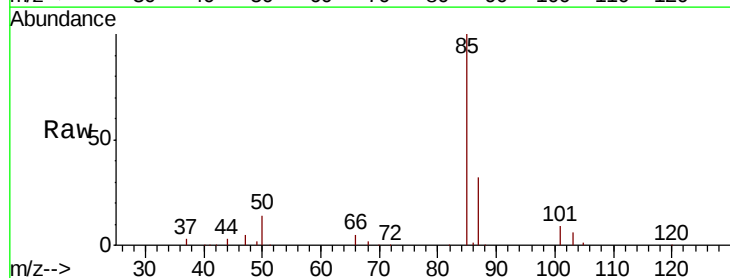
Acq: 11 Sep 2020 17:23

Tgt Ion: 85 Resp: 128256

Ion Ratio Lower Upper

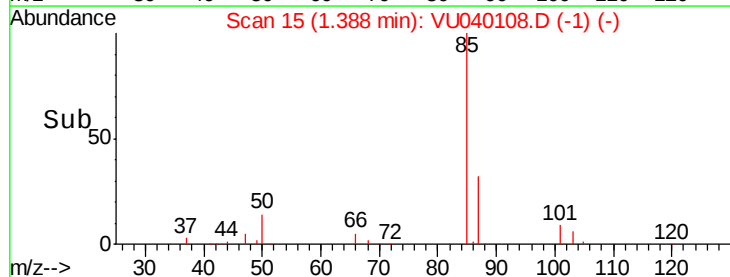
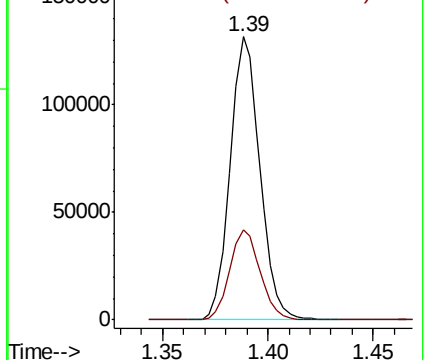
85 100

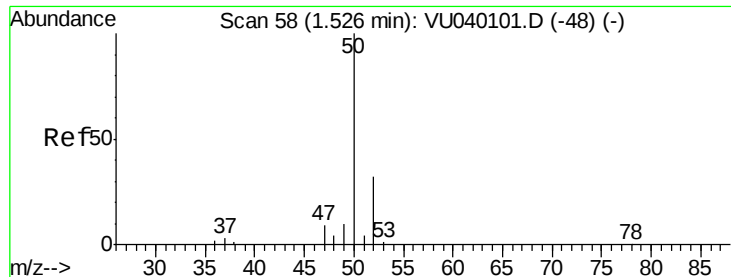
87 31.9 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 9.676 ug/l

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

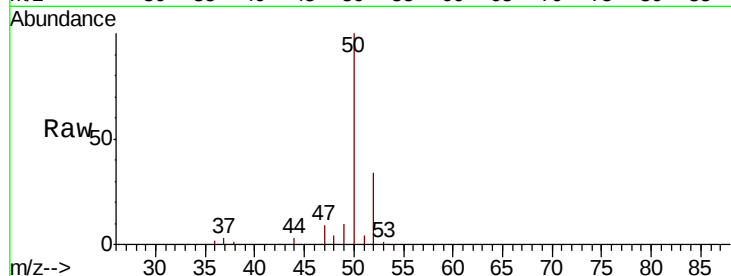
ClientSampleId :

Tot Ion: 50 Resp: 102467

Ion Ratio Lower Upper

50 100

52 34.5 25.9 38.9



Abundance Ion 50.00 (49.70 to 50.70): VU040108.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU040108.D (-1) (-)

1.52

100000

80000

60000

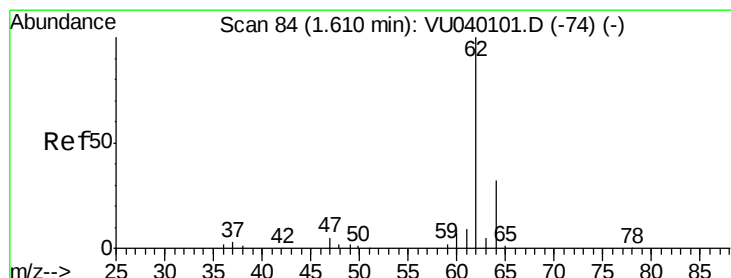
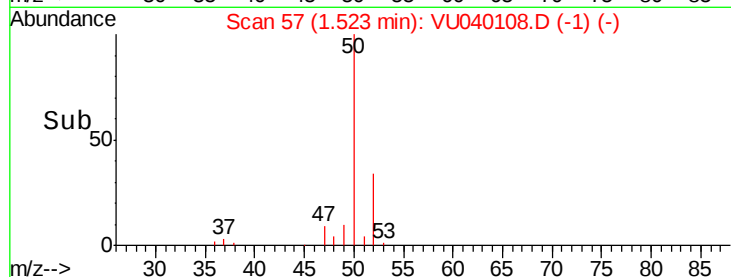
40000

20000

0

1.50 1.55 1.60

Time-->



#4

Vinyl Chloride

Concen: 9.442 ug/l

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040108.D

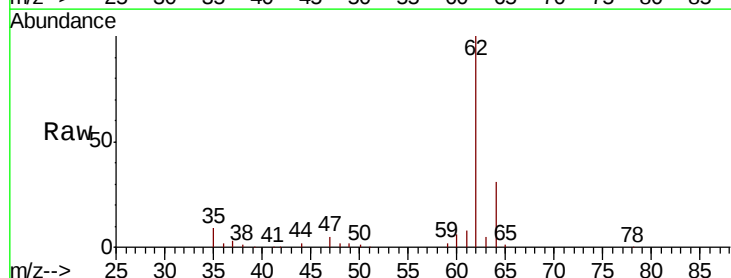
Acq: 11 Sep 2020 17:23

Tgt Ion: 62 Resp: 112902

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VU040108.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU040108.D (-1) (-)

120000

100000

80000

60000

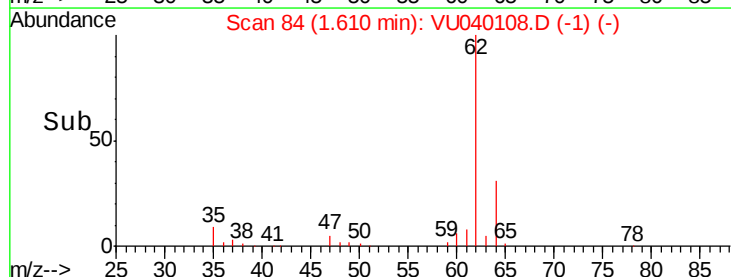
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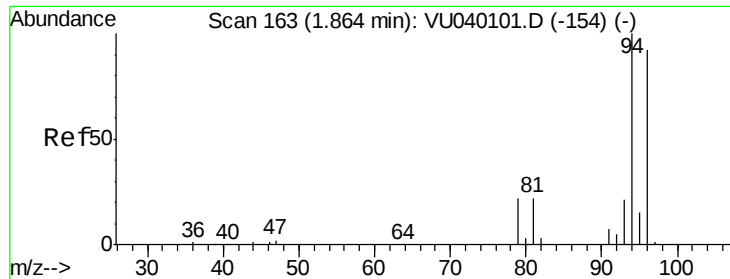
20000

0

1.55 1.60 1.65 1.70

Time-->

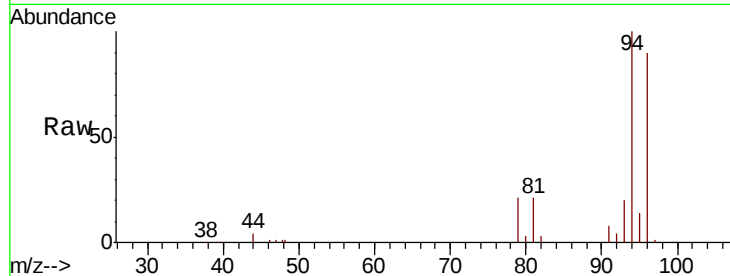




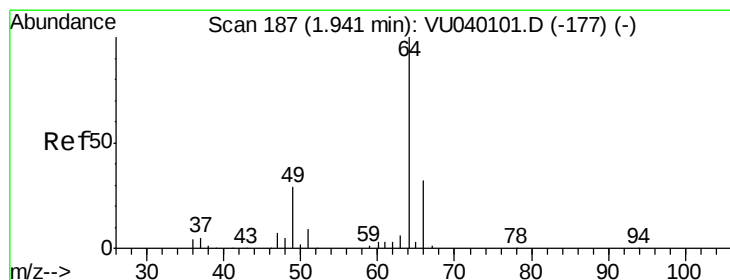
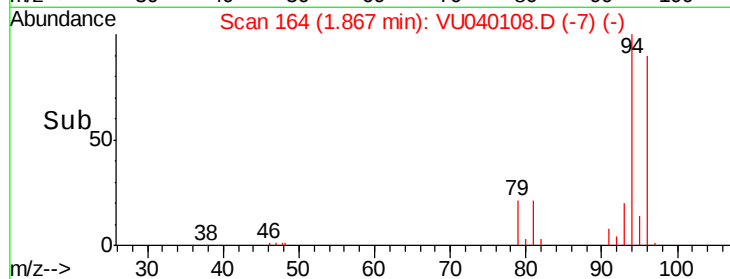
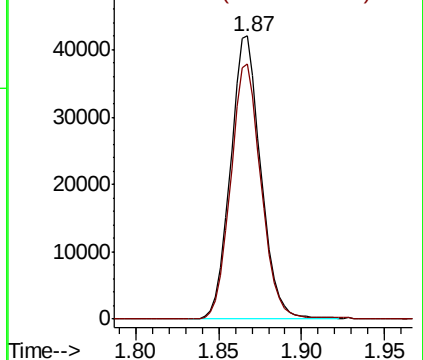
#5
Bromomethane
Concen: 14.324 ug/l
RT: 1.87 min Scan# 164
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 53684
Ion Ratio Lower Upper
94 100
96 90.3 75.4 113.2

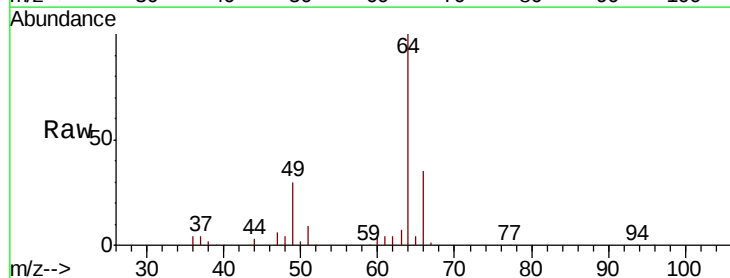


Abundance Ion 94.00 (93.70 to 94.70): VU040108.D (-154) (-)
Ion 96.00 (95.70 to 96.70): VU040108.D (-154) (-)

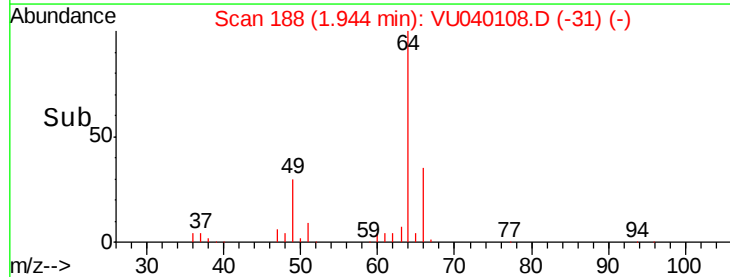
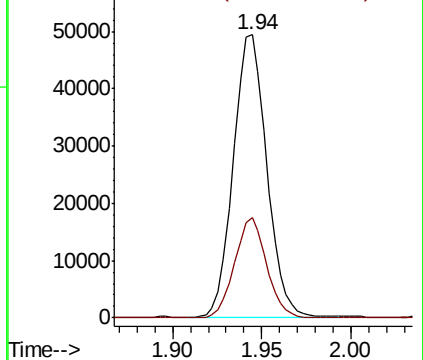


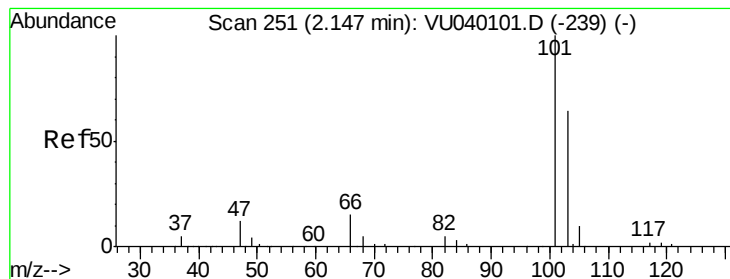
#6
Chloroethane
Concen: 9.445 ug/l
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion: 64 Resp: 64695
Ion Ratio Lower Upper
64 100
66 35.2 26.7 40.1



Abundance Ion 64.00 (63.70 to 64.70): VU040108.D (-177) (-)
Ion 66.00 (65.70 to 66.70): VU040108.D (-177) (-)



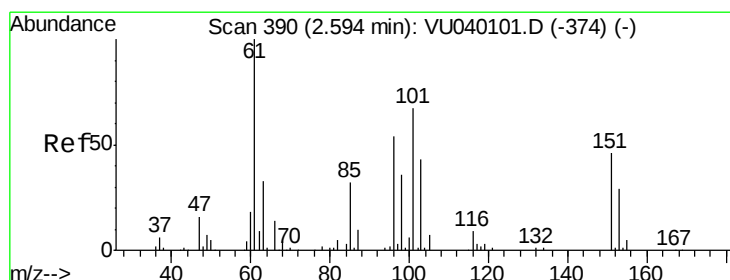
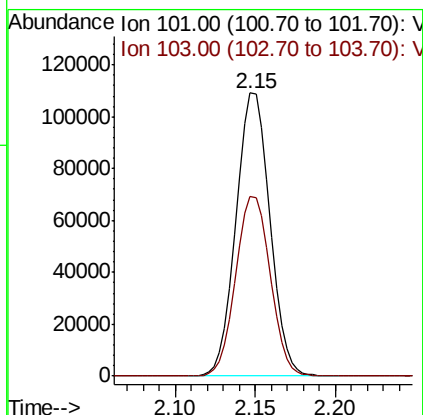
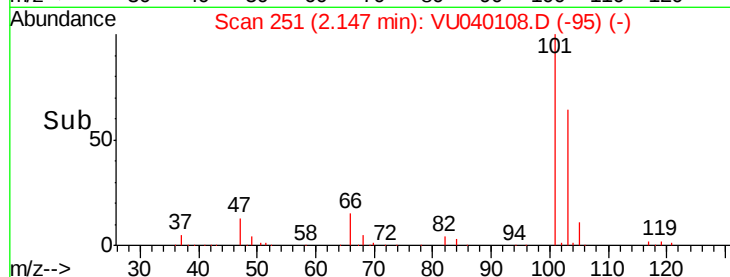
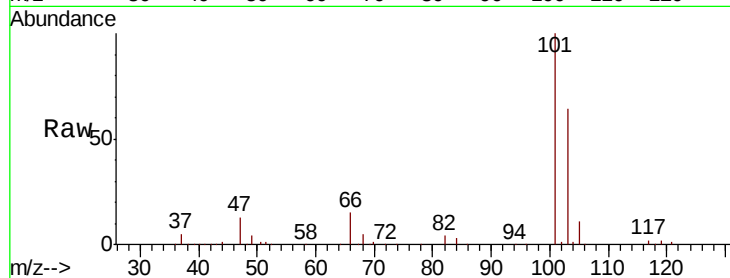


#7

Trichlorofluoromethane
 Concen: 9.303 ug/l
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Instrument :
 MSVOA_U
 ClientSampled :

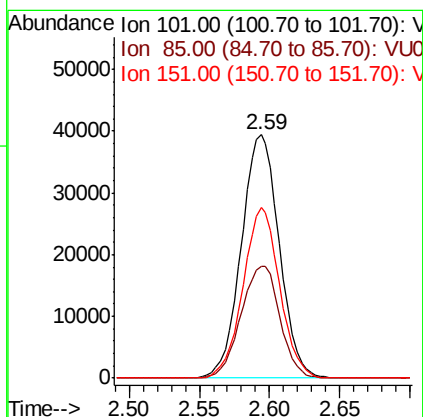
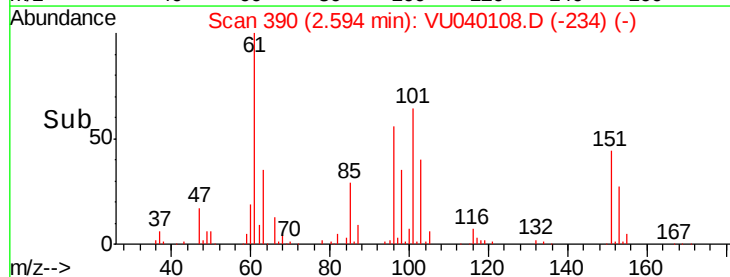
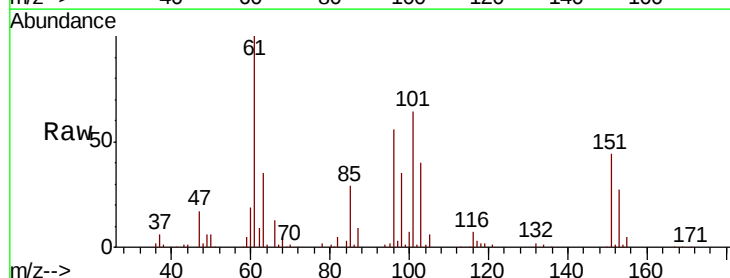
Tot Ion:101 Resp: 156948
 Ion Ratio Lower Upper
 101 100
 103 63.6 50.8 76.2

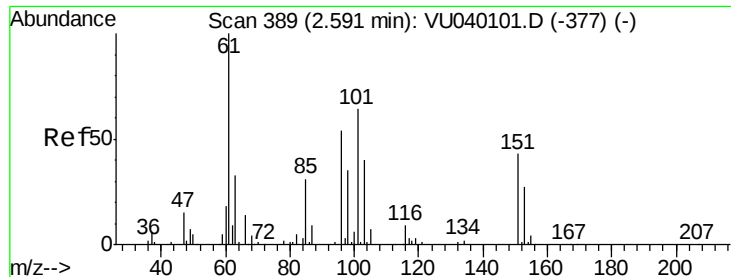


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.852 ug/l
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Tgt Ion:101 Resp: 74260
 Ion Ratio Lower Upper
 101 100
 85 47.1 38.5 57.7
 151 67.5 54.6 81.8

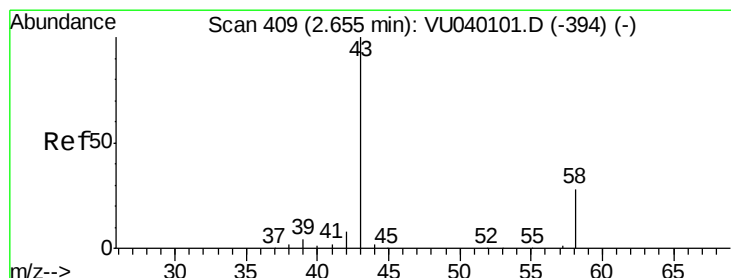
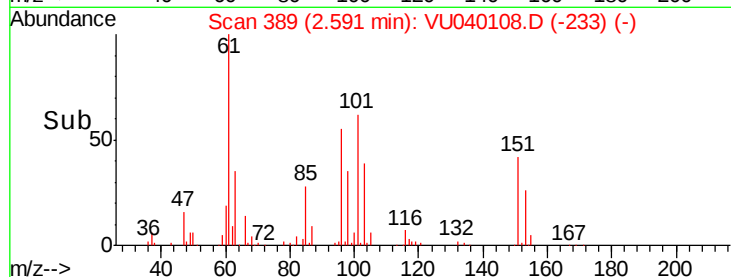
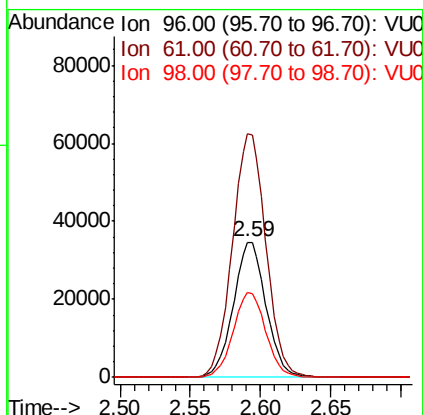
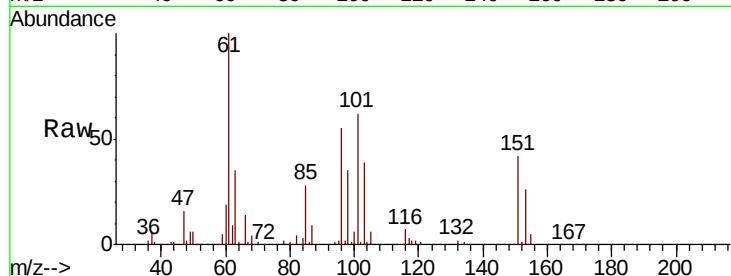




#9
 1,1-Dichloroethene
 Concen: 9.736 ug/l
 RT: 2.59 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

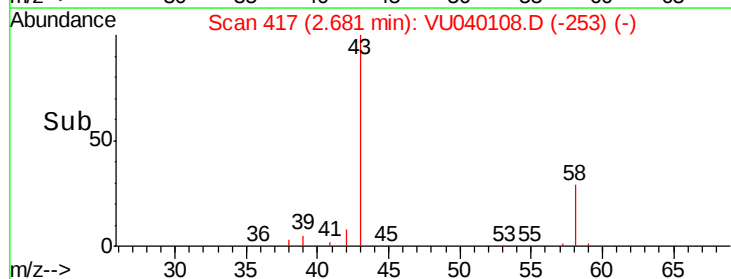
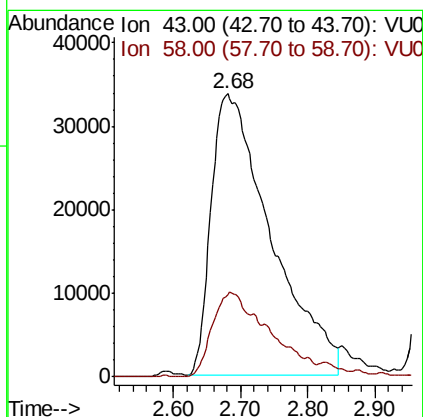
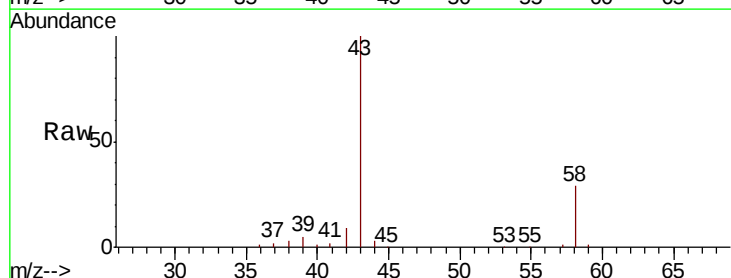
Instrument :
 MSVOA_U
 ClientSampled :

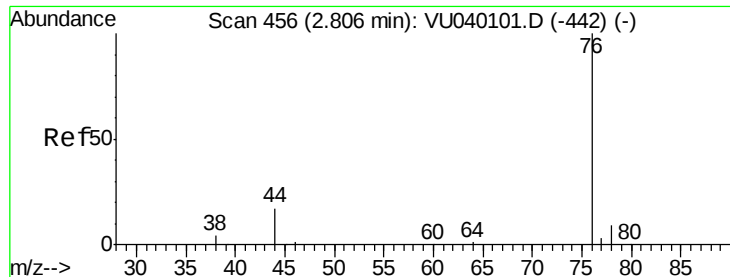
Tot Ion: 96 Resp: 56190
 Ion Ratio Lower Upper
 96 100
 61 180.2 0.0 557.1
 98 62.5 0.0 125.6



#13
 Acetone
 Concen: 47.573 ug/l
 RT: 2.68 min Scan# 417
 Delta R.T. 0.03 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Tgt Ion: 43 Resp: 208058
 Ion Ratio Lower Upper
 43 100
 58 29.1 20.6 31.0





#14

Carbon Disulfide

Concen: 8.847 ug/l

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

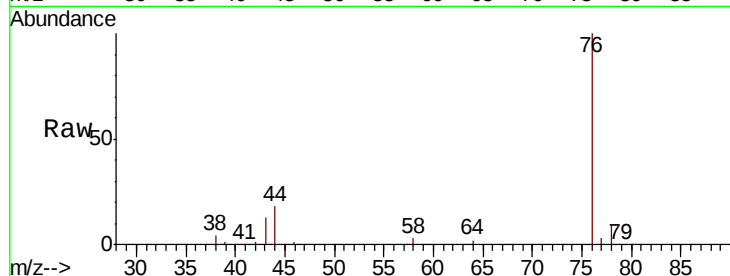
ClientSampleId :

Tot Ion: 76 Resp: 89304

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU040108.D (-300) (-)

Ion 78.00 (77.70 to 78.70): VU040108.D (-300) (-)

2.81

60000

50000

40000

30000

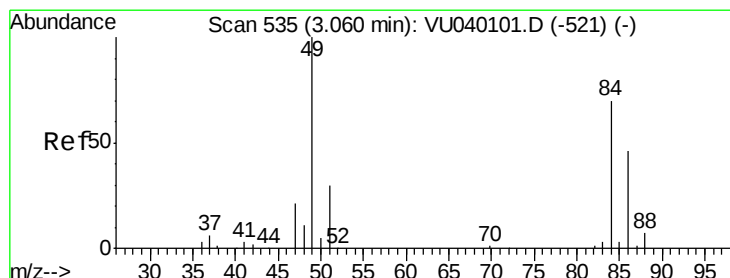
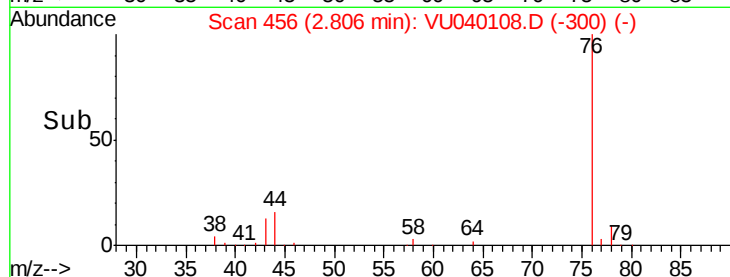
20000

10000

0

2.75 2.80 2.85 2.90

Time-->



#15

Methylene Chloride

Concen: 7.999 ug/l

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Tgt Ion: 84 Resp: 77574

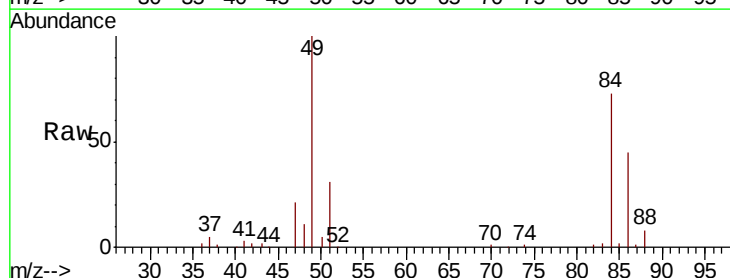
Ion Ratio Lower Upper

84 100

49 136.8 114.3 171.5

51 42.1 0.0 84.6

86 61.6 50.6 76.0



Abundance Ion 84.00 (83.70 to 84.70): VU040108.D (-379) (-)

Ion 49.00 (48.70 to 49.70): VU040108.D (-379) (-)

Ion 51.00 (50.70 to 51.70): VU040108.D (-379) (-)

Ion 86.00 (85.70 to 86.70): VU040108.D (-379) (-)

80000

60000

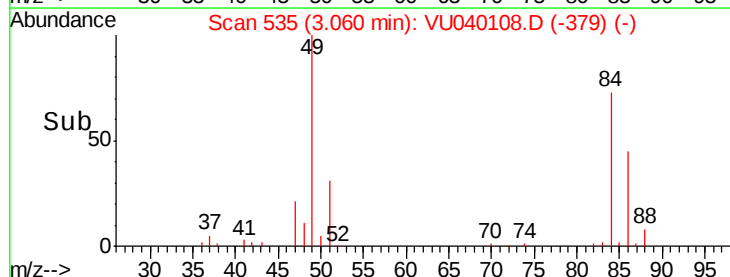
40000

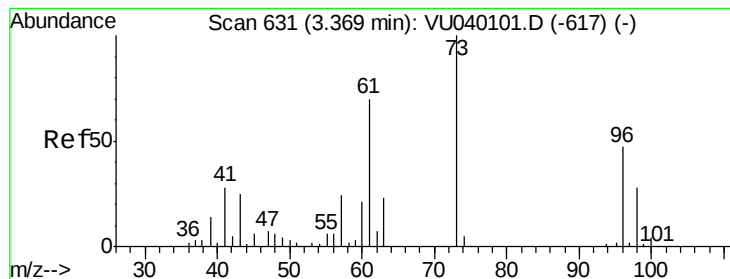
20000

0

3.00 3.05 3.10 3.15

Time-->





#16

trans-1,2-Dichloroethene

Concen: 10.293 ug/l

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :
MSVOA_U
ClientSampleId :

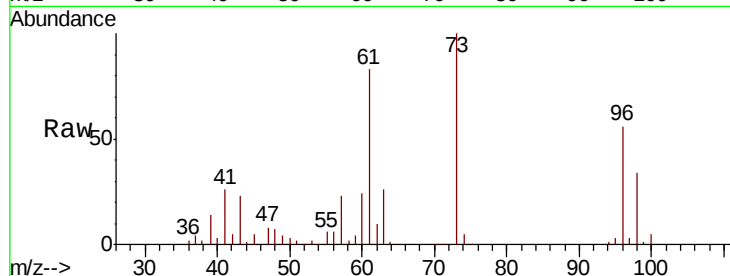
Tot Ion: 96 Resp: 63847

Ion Ratio Lower Upper

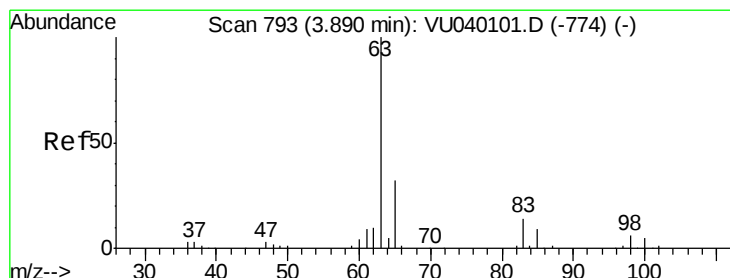
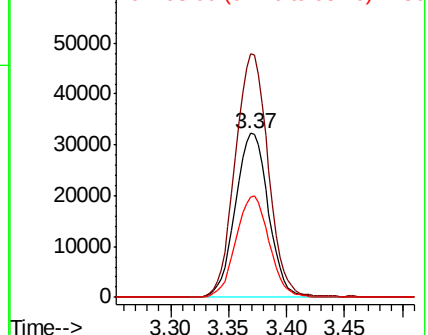
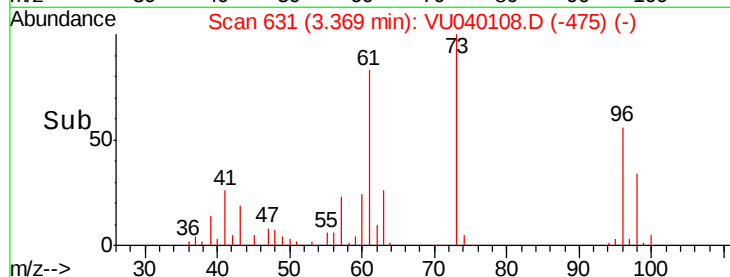
96 100

61 148.7 121.4 182.0

98 61.5 51.9 77.9



Abundance Ion 96.00 (95.70 to 96.70): VU040108.D (-475) (-)



#17

1,1-Dichloroethane

Concen: 9.838 ug/l

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

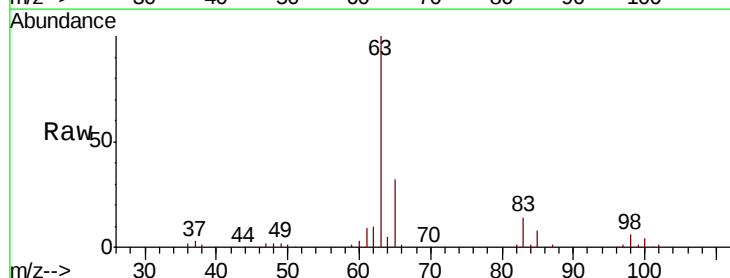
Tgt Ion: 63 Resp: 149865

Ion Ratio Lower Upper

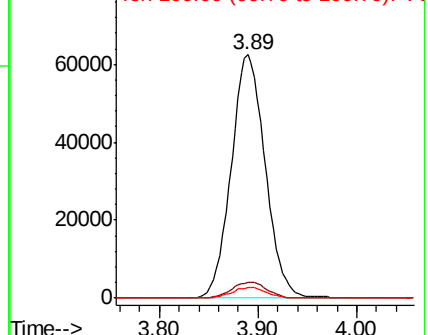
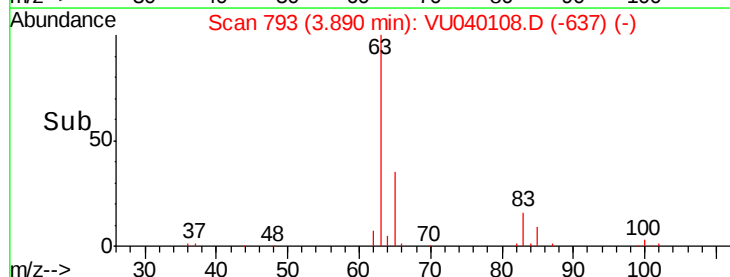
63 100

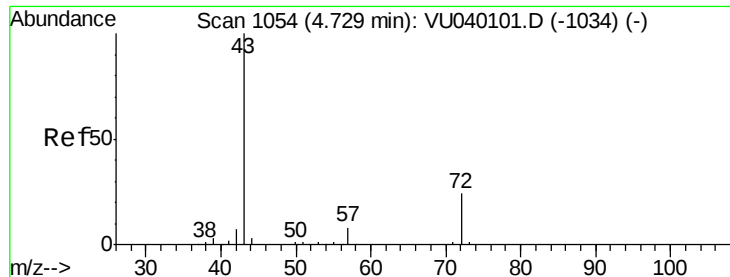
98 6.4 3.1 9.4

100 4.3 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VU040108.D (-637) (-)

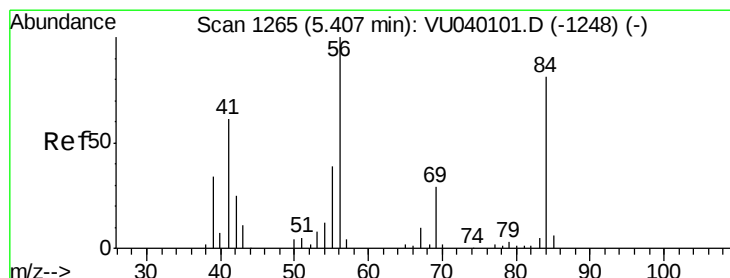
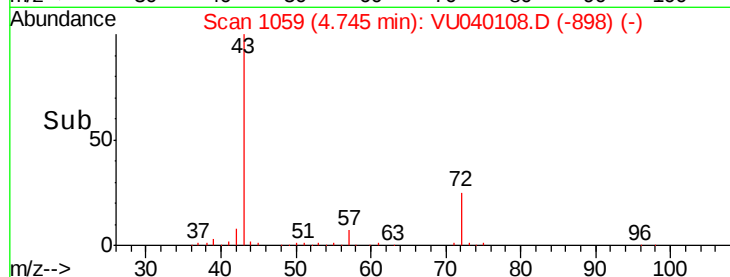
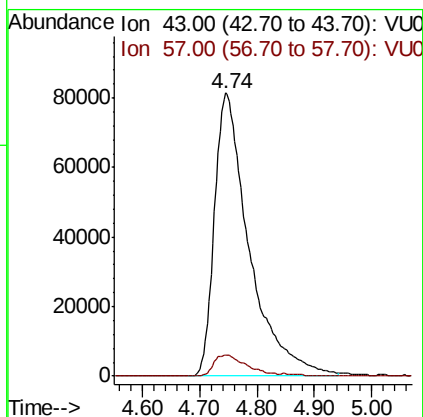
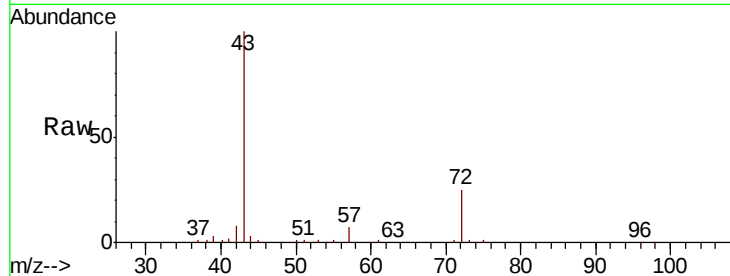




#18
2-Butanone
Concen: 52.064 ug/l
RT: 4.74 min Scan# 1059
Delta R.T. 0.02 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

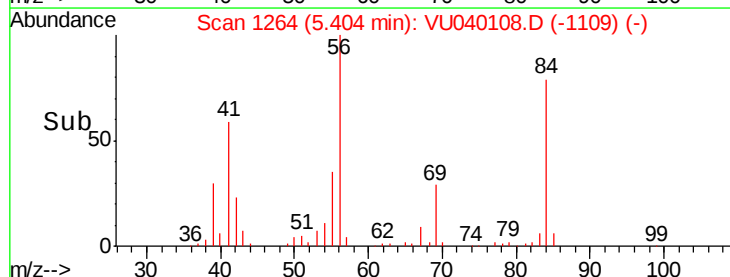
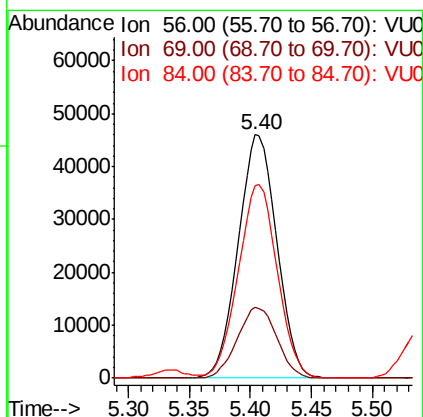
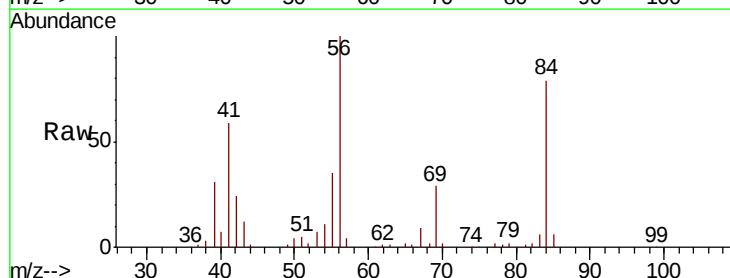
Instrument :
MSVOA_U
ClientSampleId :

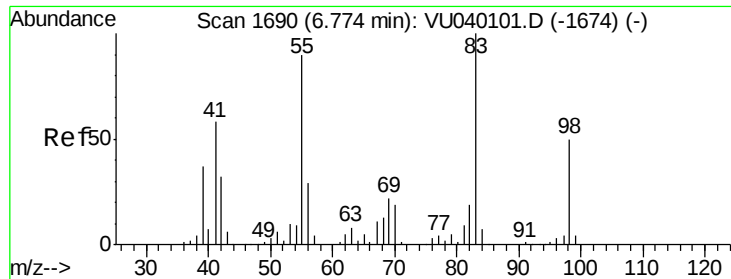
Tot Ion: 43 Resp: 343906
Ion Ratio Lower Upper
43 100
57 7.5 0.0 15.2



#19
Cyclohexane
Concen: 10.659 ug/l
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion: 56 Resp: 100818
Ion Ratio Lower Upper
56 100
69 29.8 23.5 35.3
84 78.8 63.8 95.6

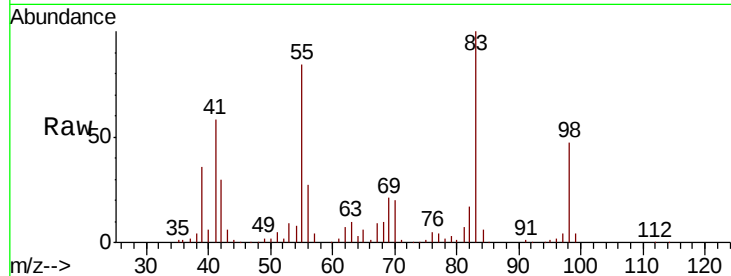




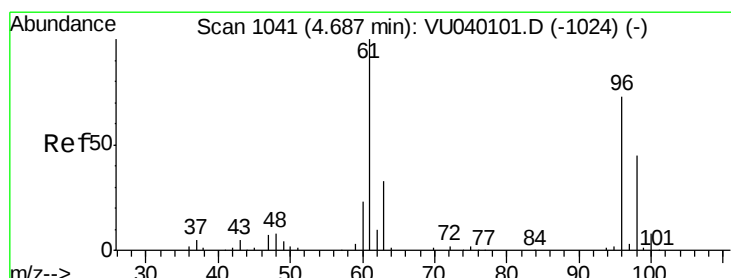
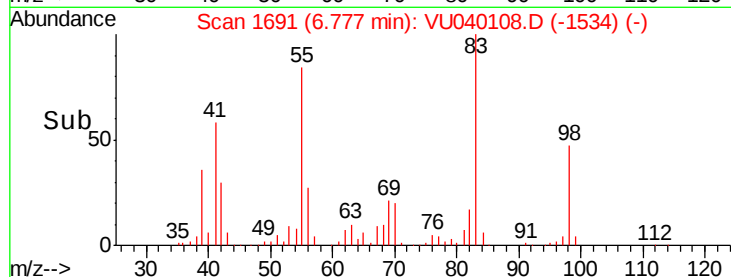
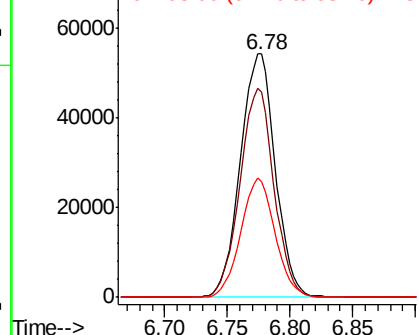
#20
Methvlcvclohexane
Concen: 10.960 ug/l
RT: 6.78 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 105016
Ion Ratio Lower Upper
83 100
55 83.9 69.4 104.2
98 48.0 37.5 56.3

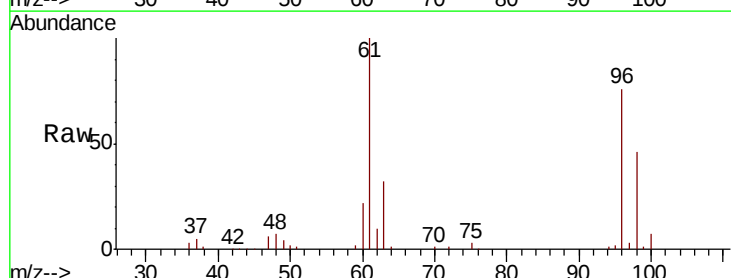


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

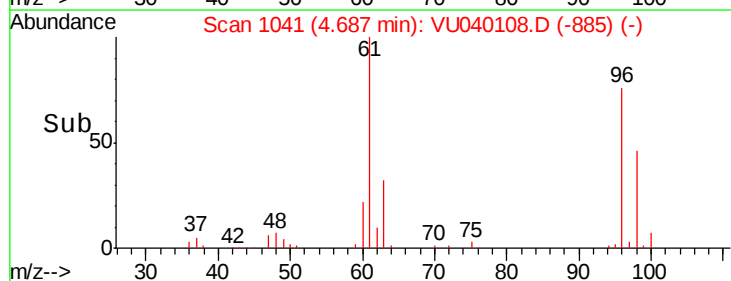
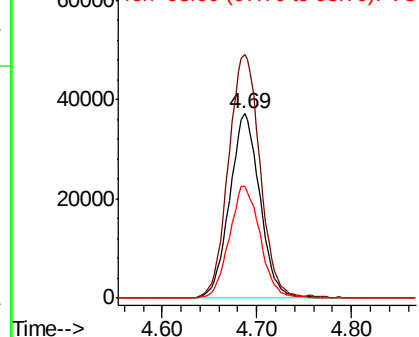


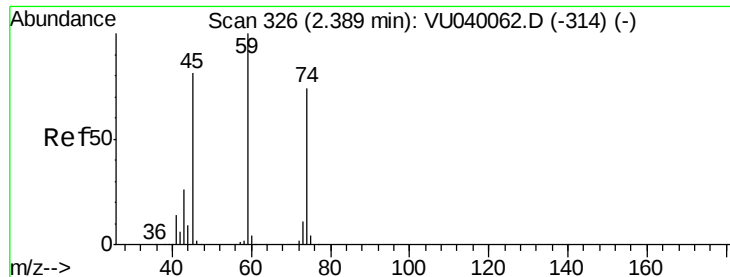
#22
cis-1,2-Dichloroethene
Concen: 10.576 ug/l
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion: 96 Resp: 82700
Ion Ratio Lower Upper
96 100
61 137.0 0.0 420.0
98 61.5 31.8 95.3



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





#23

Diethyl Ether

Concen: 13.471 ug/l

RT: 2.59 min Scan# 390

Delta R.T. 0.21 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

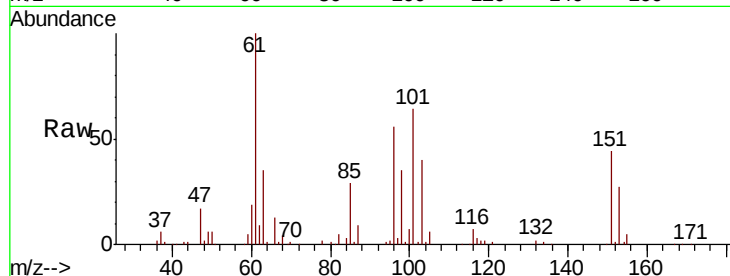
Tot Ion: 59 Resp: 5019

Ion Ratio Lower Upper

59 100

45 2.0 62.4 93.6#

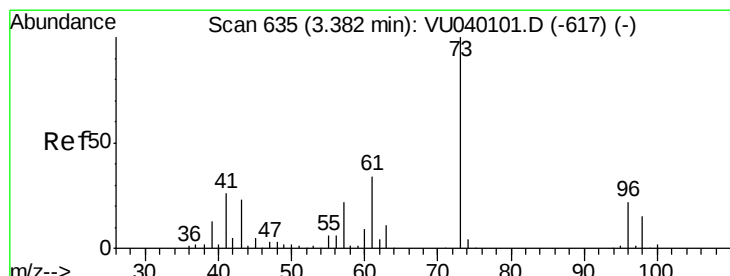
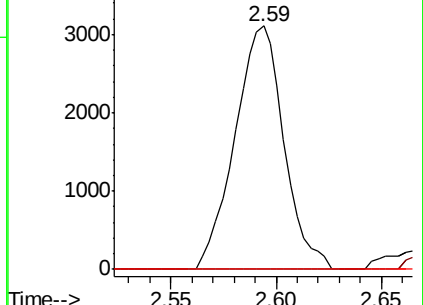
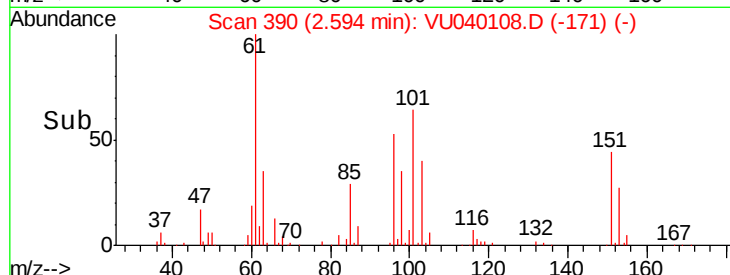
74 0.0 57.7 86.5#



Abundance Ion 59.00 (58.70 to 59.70): VU040108.D (-171) (-)

Ion 45.00 (44.70 to 45.70): VU040108.D (-171) (-)

Ion 74.00 (73.70 to 74.70): VU040108.D (-171) (-)



#25

Methyl tert-Butyl Ether

Concen: 10.350 ug/l

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU040108.D

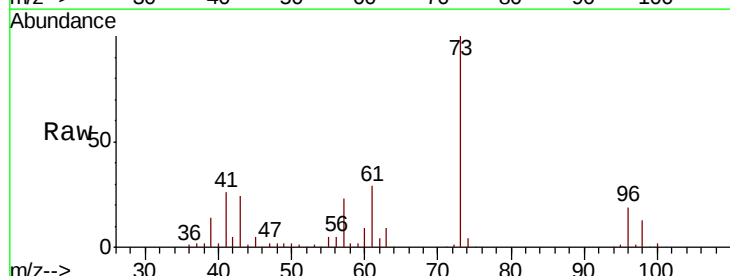
Acq: 11 Sep 2020 17:23

Tgt Ion: 73 Resp: 216355

Ion Ratio Lower Upper

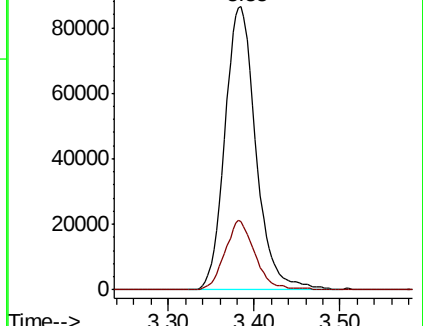
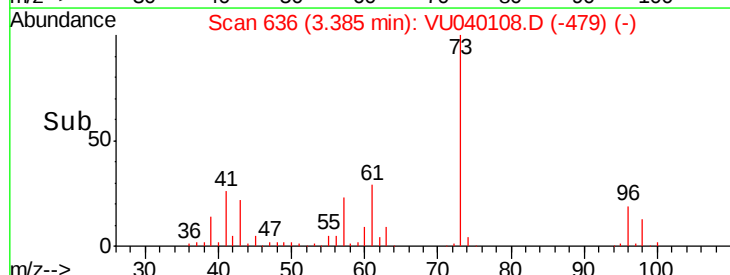
73 100

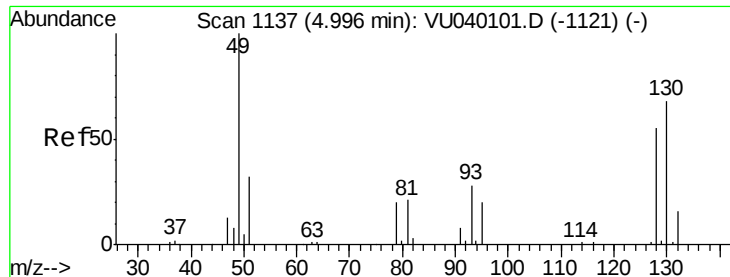
43 24.1 20.0 30.0



Abundance Ion 73.00 (72.70 to 73.70): VU040108.D (-479) (-)

Ion 43.00 (42.70 to 43.70): VU040108.D (-479) (-)





#26

Bromochloromethane

Concen: 9.795 ug/l

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

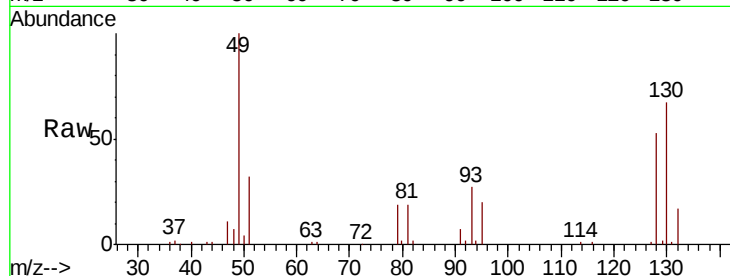
Tot Ion:128 Resp: 37227

Ion Ratio Lower Upper

128 100

49 187.1 0.0 390.6

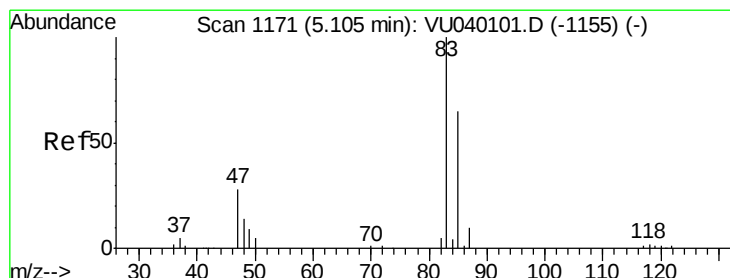
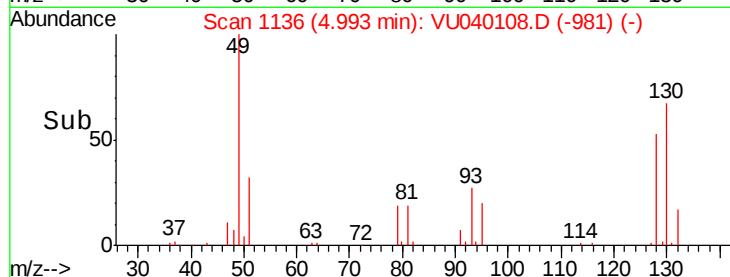
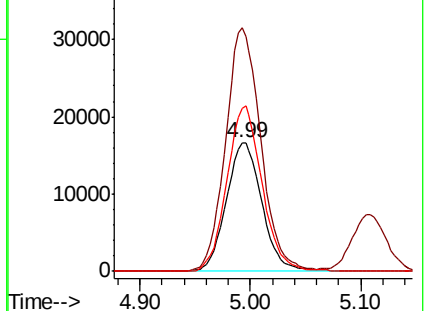
130 126.4 104.9 157.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V



#27

Chloroform

Concen: 9.884 ug/l

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040108.D

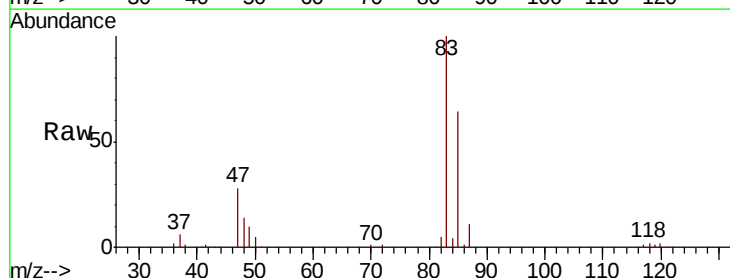
Acq: 11 Sep 2020 17:23

Tgt Ion: 83 Resp: 164701

Ion Ratio Lower Upper

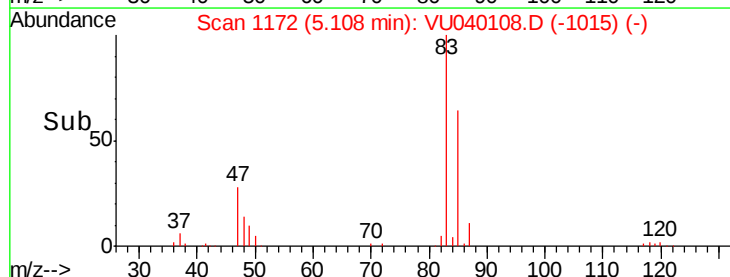
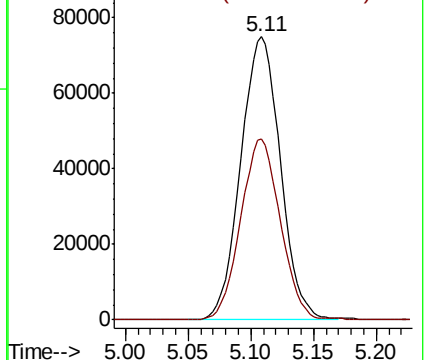
83 100

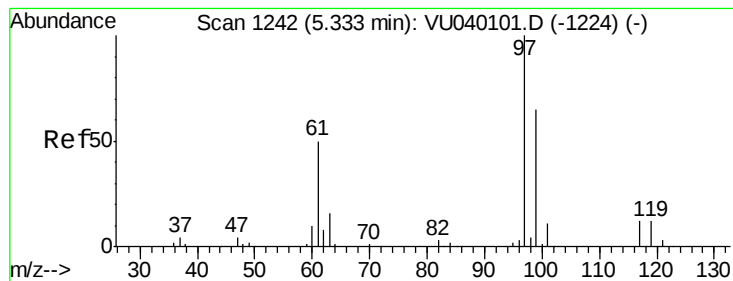
85 64.0 0.0 132.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#28

1,1,1-Trichloroethane

Concen: 9.800 ug/l

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :
MSVOA_U
ClientSampled :

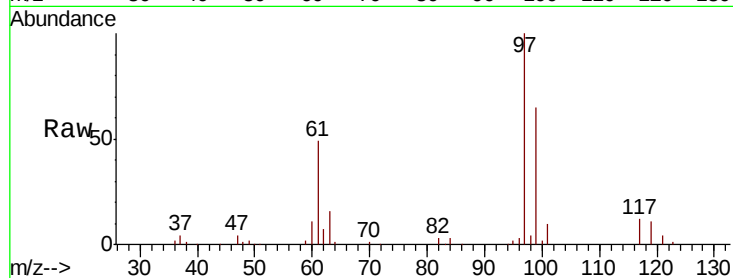
Tot Ion: 97 Resp: 137203

Ion Ratio Lower Upper

97 100

99 64.3 31.8 95.4

61 49.9 25.1 75.2

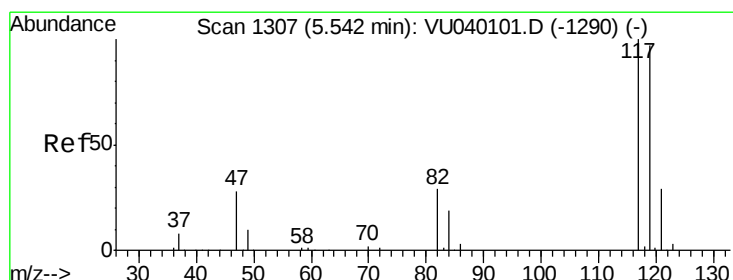
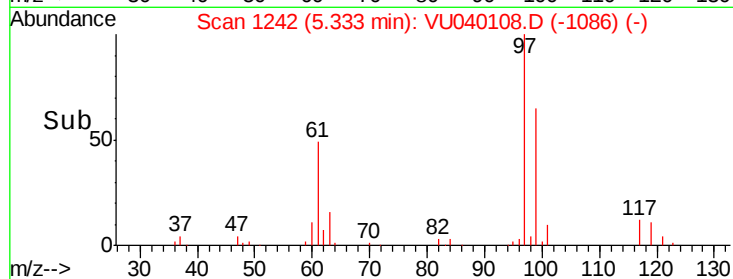
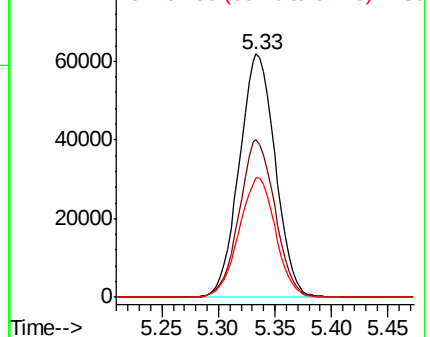


Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#30

Carbon Tetrachloride

Concen: 9.964 ug/l

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

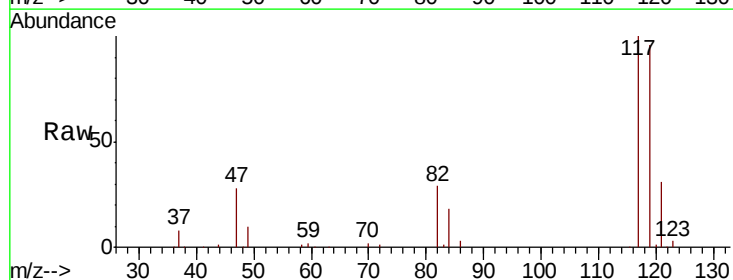
Tgt Ion: 117 Resp: 114589

Ion Ratio Lower Upper

117 100

119 96.3 77.0 115.4

121 30.9 24.2 36.4

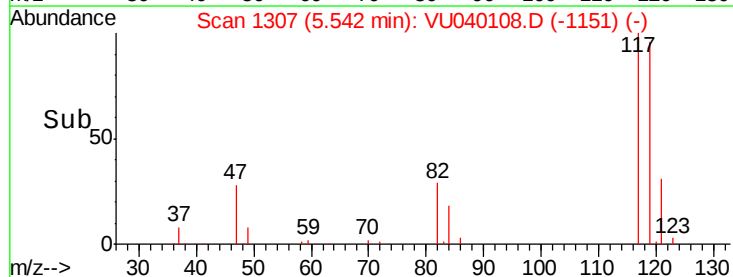
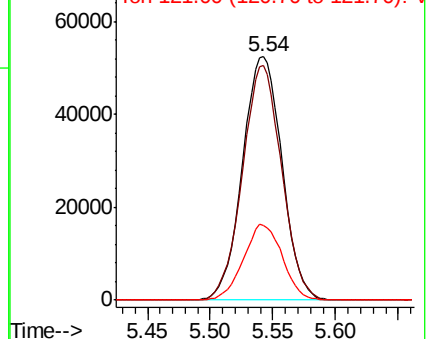


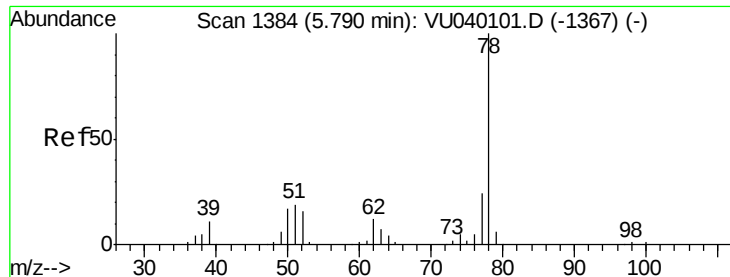
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#35

Benzene

Concen: 10.109 ug/l

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

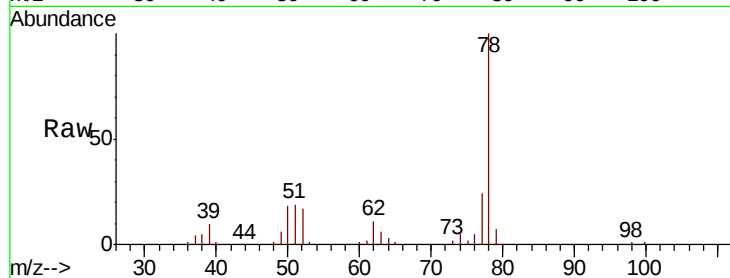
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 302164

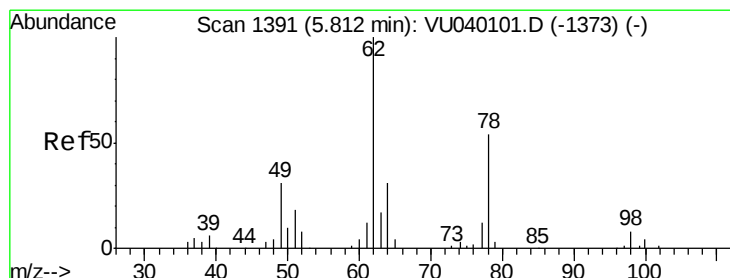
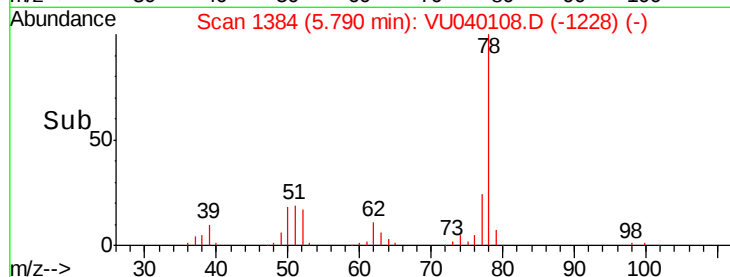
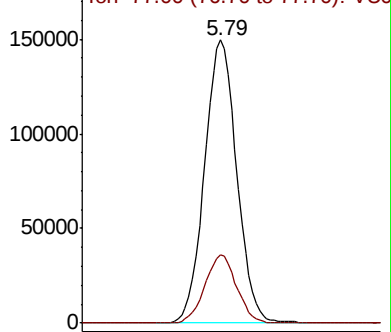
Ion Ratio Lower Upper

78 100

77 24.2 19.1 28.7



Abundance Ion 78.10 (77.80 to 78.80): VU040108.D (-1228) (-)



#36

1,2-Dichloroethane

Concen: 9.674 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040108.D

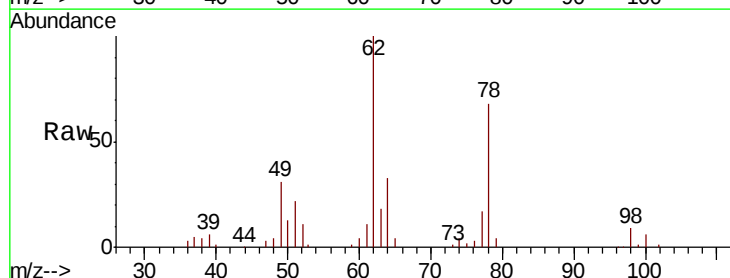
Acq: 11 Sep 2020 17:23

Tgt Ion: 62 Resp: 116207

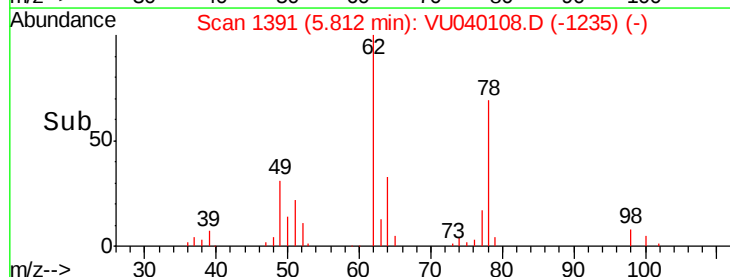
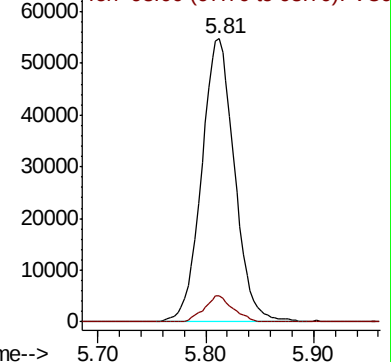
Ion Ratio Lower Upper

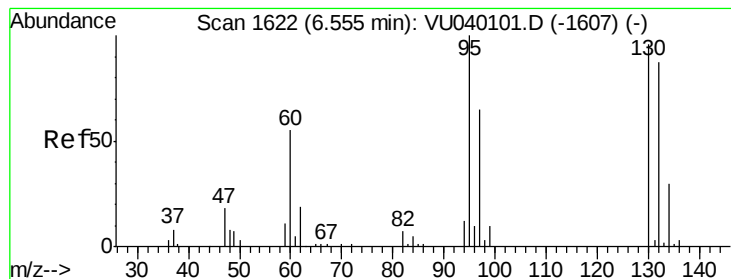
62 100

98 8.2 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU040108.D (-1235) (-)





#37

Trichloroethene

Concen: 10.050 ug/l

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

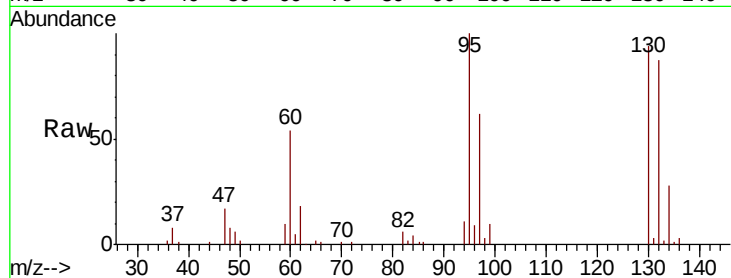
ClientSampleId :

Tot Ion:130 Resp: 77163

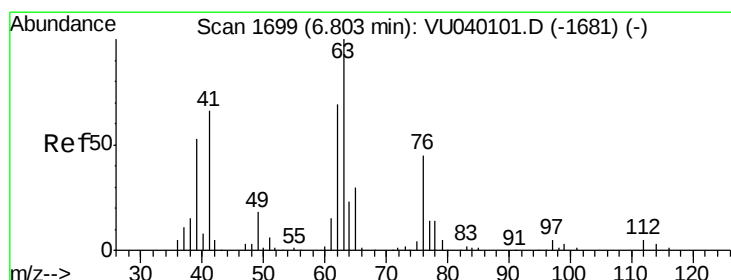
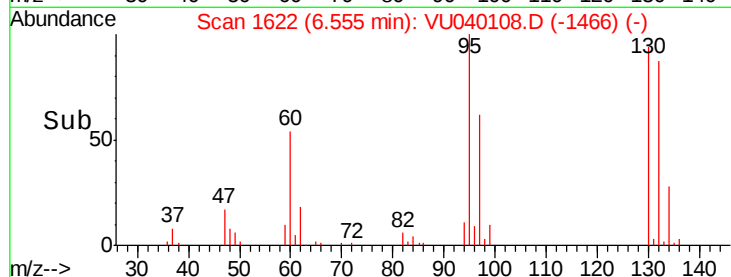
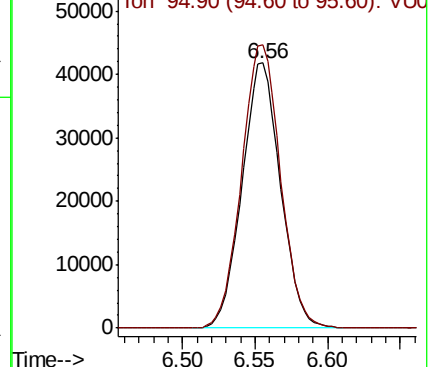
Ion Ratio Lower Upper

130 100

95 106.7 84.2 126.2



Abundance Ion 129.90 (129.60 to 130.60): VU040101.D (-1607) (-)



#38

1,2-Dichloropropane

Concen: 9.593 ug/l

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040108.D

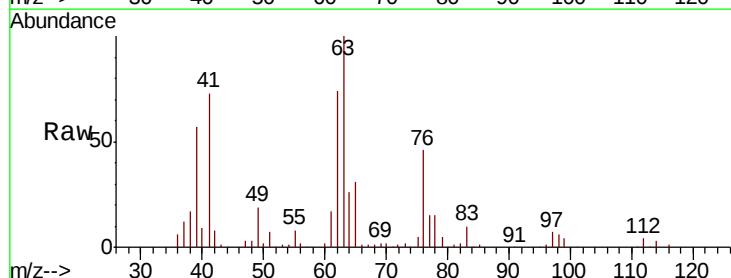
Acq: 11 Sep 2020 17:23

Tgt Ion: 63 Resp: 88751

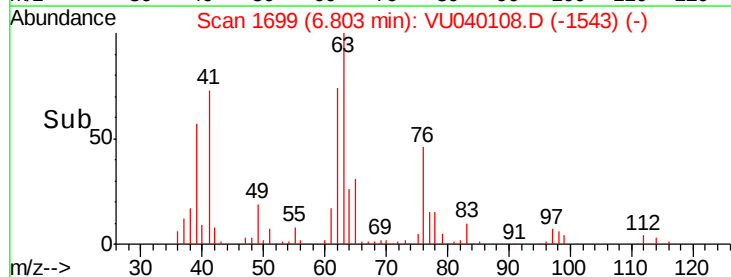
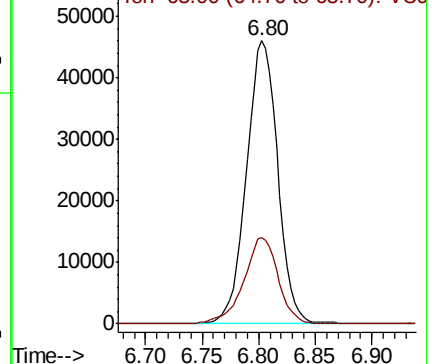
Ion Ratio Lower Upper

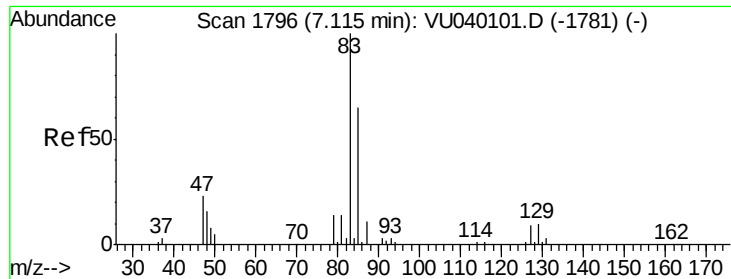
63 100

65 30.6 23.0 34.6



Abundance Ion 63.00 (62.70 to 63.70): VU040101.D (-1681) (-)

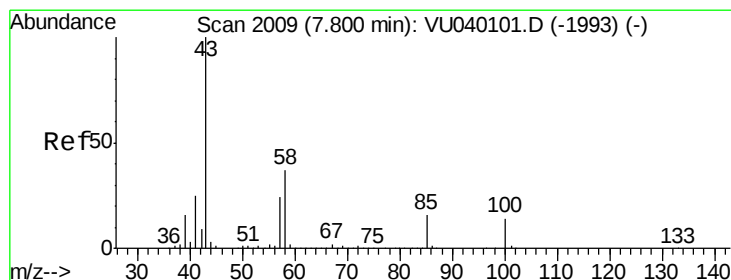
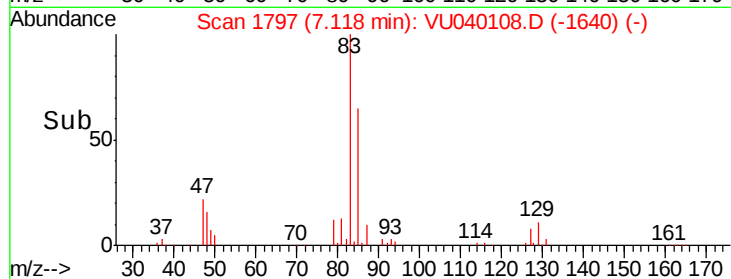
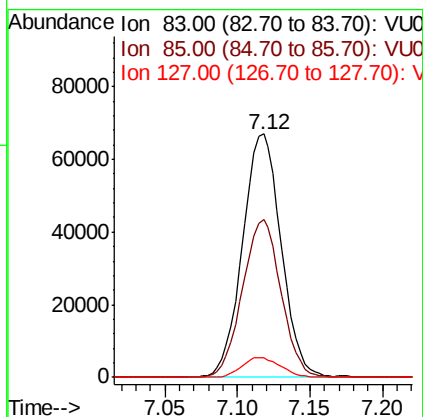
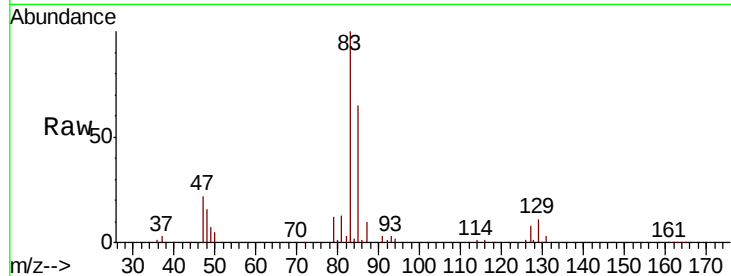




#44
Bromodichloromethane
Concen: 9.844 ug/l
RT: 7.12 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

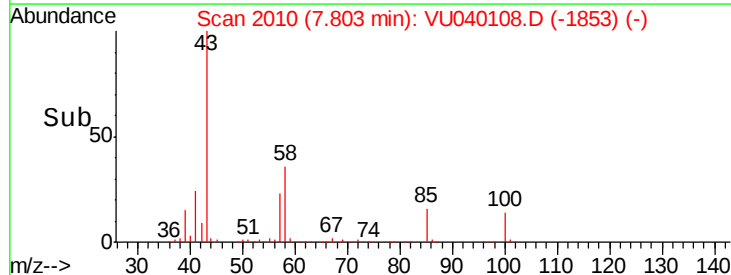
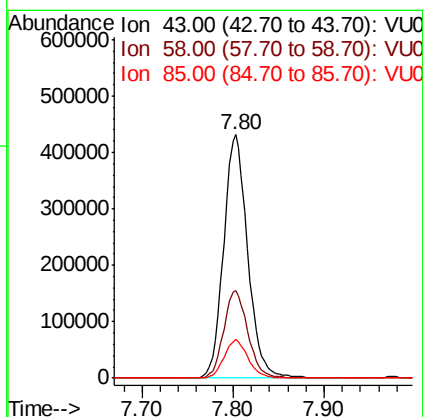
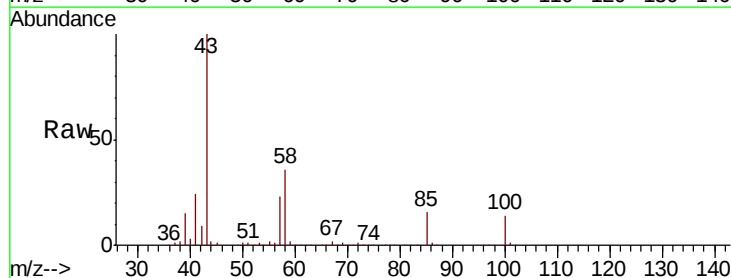
Instrument :
MSVOA_U
ClientSampleId :

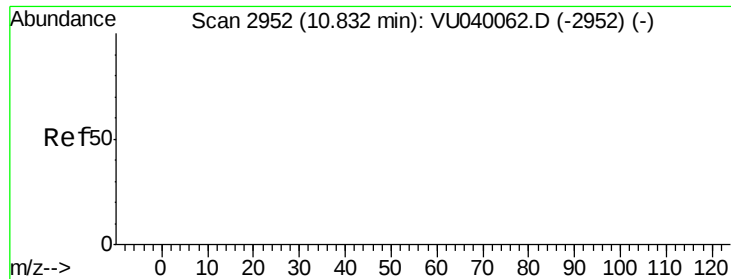
Tot Ion: 83 Resp: 124458
Ion Ratio Lower Upper
83 100
85 64.9 52.1 78.1
127 7.9 6.6 9.8



#45
4-Methyl-2-Pentanone
Concen: 52.647 ug/l
RT: 7.80 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion: 43 Resp: 793756
Ion Ratio Lower Upper
43 100
58 36.2 18.1 54.3
85 15.7 12.3 18.5

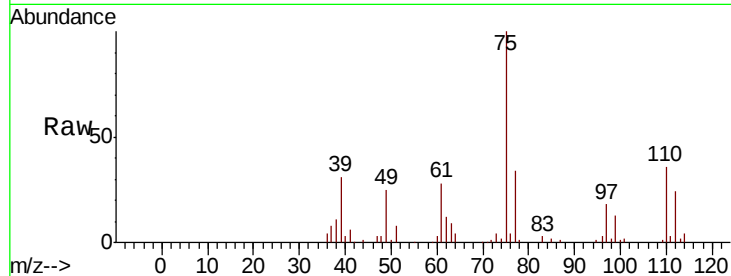




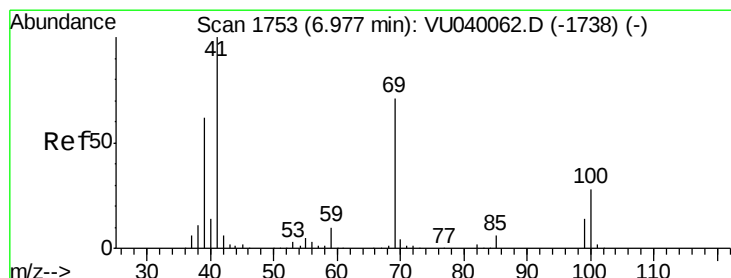
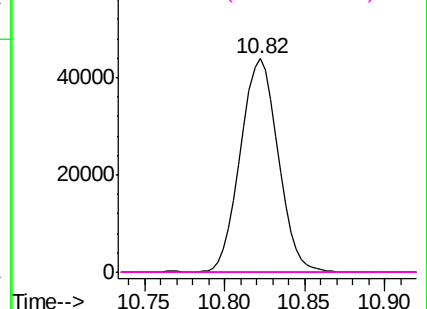
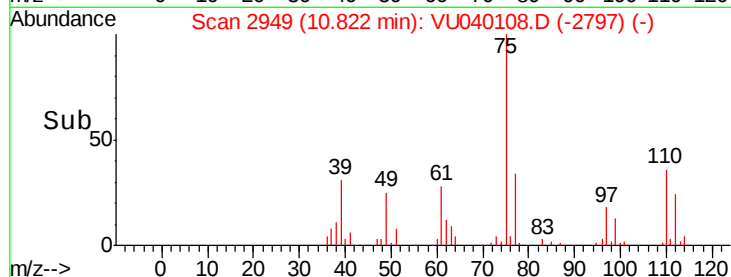
#46
t-1,4-Dichloro-2-butene
Concen: 19.477 ug/l
RT: 10.82 min Scan# 2949
Delta R.T. -0.01 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 70731
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 0.0 41.6 62.4#
88 0.1 36.6 54.8#

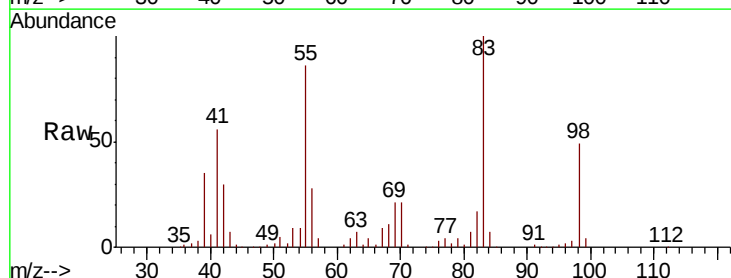


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0

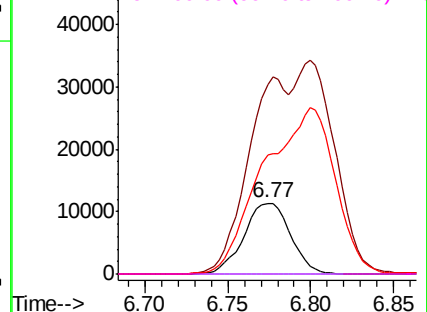
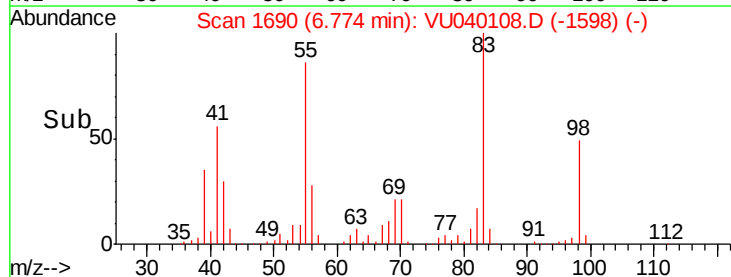


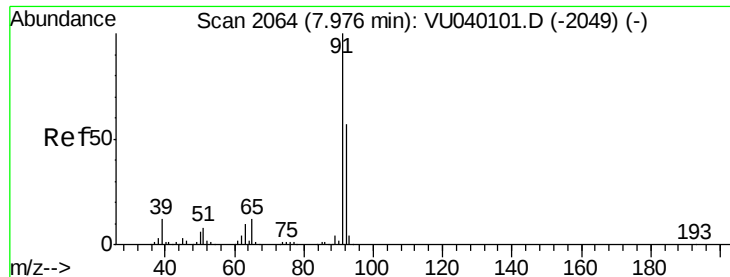
#47
Methyl methacrylate
Concen: 21.484 ug/l
RT: 6.77 min Scan# 1690
Delta R.T. -0.20 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion: 69 Resp: 22301
Ion Ratio Lower Upper
69 100
41 243.1 0.0 273.0
39 360.5 67.8 101.6#
100 0.0 29.8 44.6#



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#49

Toluene

Concen: 10.602 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

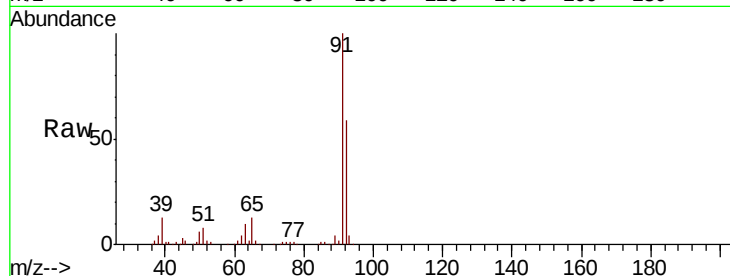
ClientSampleId :

Tot Ion: 92 Resp: 200991

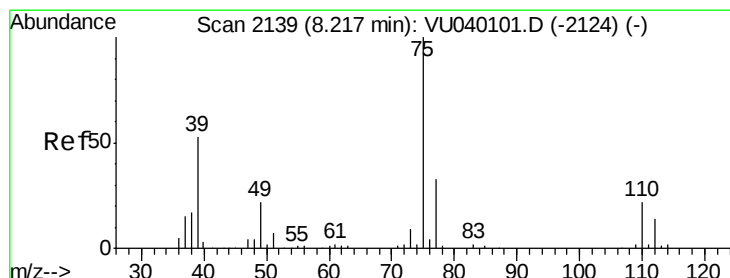
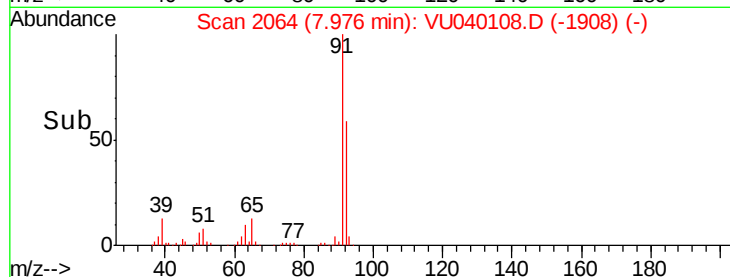
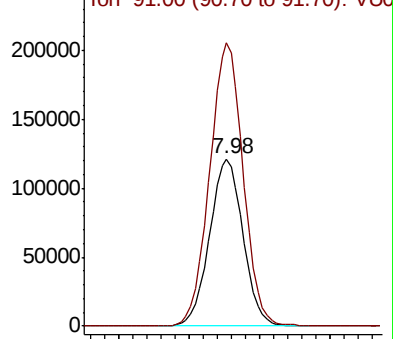
Ion Ratio Lower Upper

92 100

91 169.9 138.6 207.8



Abundance Ion 92.00 (91.70 to 92.70): VU040108.D (-1908) (-)



#50

t-1,3-Dichloropropene

Concen: 10.063 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040108.D

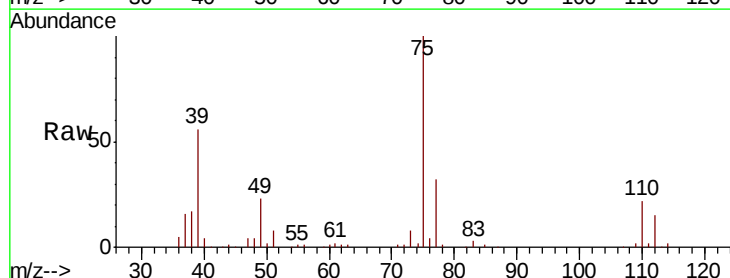
Acq: 11 Sep 2020 17:23

Tgt Ion: 75 Resp: 119191

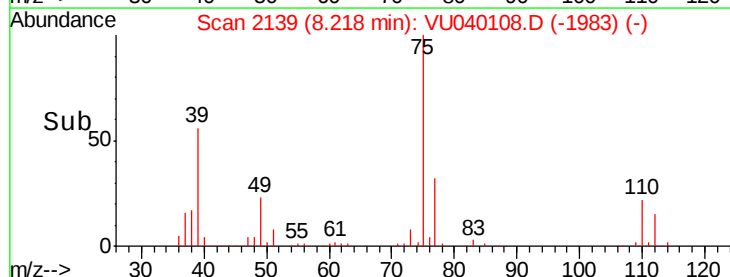
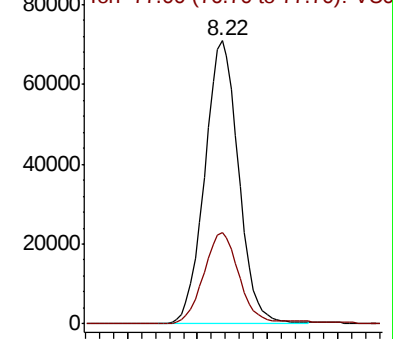
Ion Ratio Lower Upper

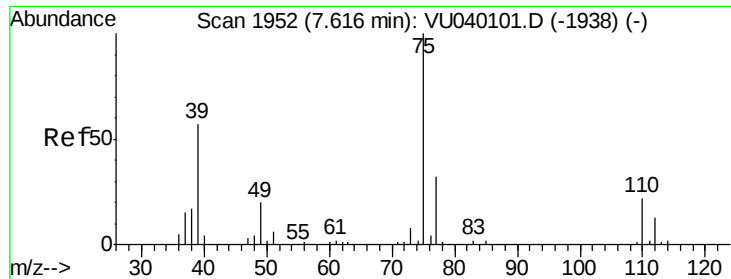
75 100

77 32.3 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU040108.D (-1983) (-)



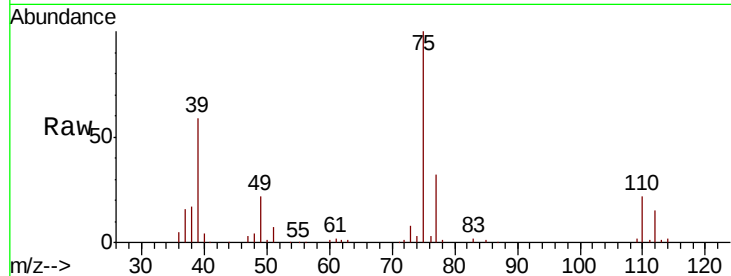


#51

cis-1,3-Dichloropropene
Concen: 10.341 ug/l
RT: 7.62 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	37.0
39	59.3	46.2	69.4

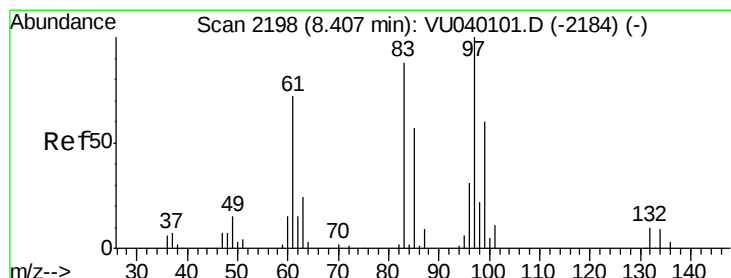
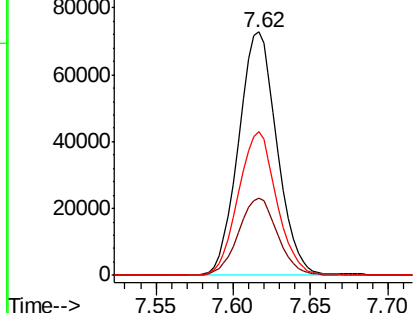
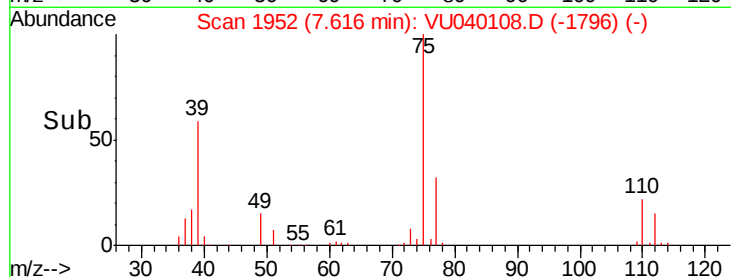


Abundance

Ion 75.00 (74.70 to 75.70): VU040108.D (-1796) (-)

Ion 77.00 (76.70 to 77.70): VU040108.D (-1796) (-)

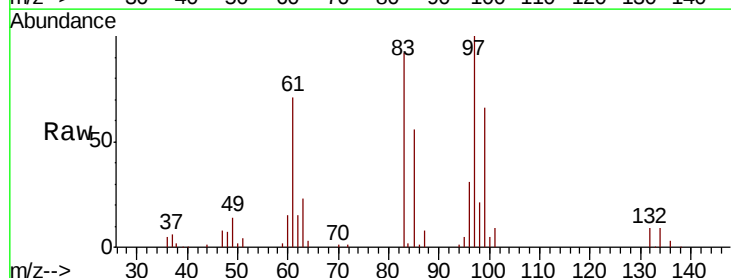
Ion 39.00 (38.70 to 39.70): VU040108.D (-1796) (-)



#52

1,1,2-Trichloroethane
Concen: 9.366 ug/l
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.1	68.7	103.1
85	56.0	46.7	70.1
99	65.9	48.6	72.8



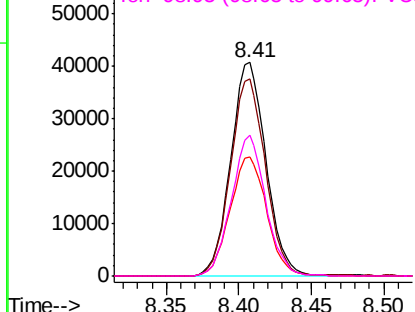
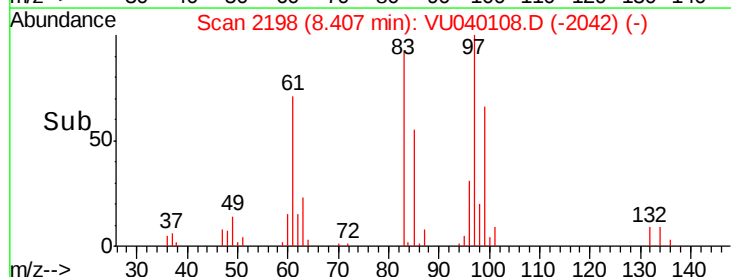
Abundance

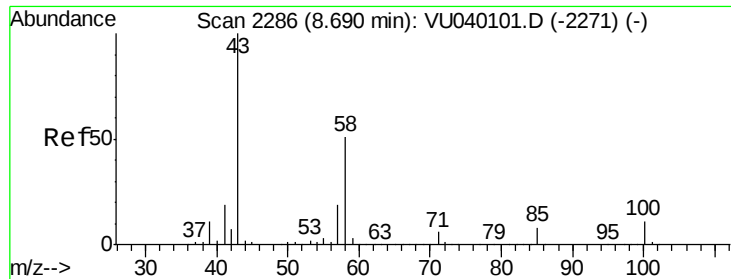
Ion 97.00 (96.70 to 97.70): VU040108.D (-2042) (-)

Ion 82.95 (82.65 to 83.65): VU040108.D (-2042) (-)

Ion 84.95 (84.65 to 85.65): VU040108.D (-2042) (-)

Ion 98.95 (98.65 to 99.65): VU040108.D (-2042) (-)

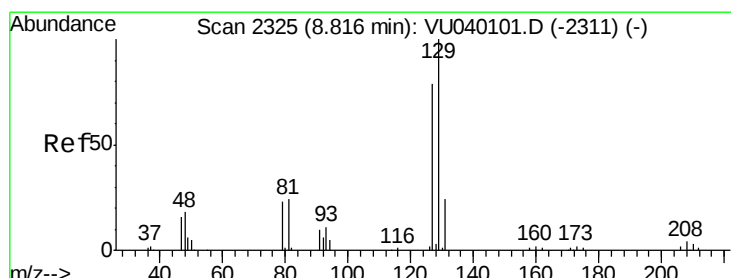
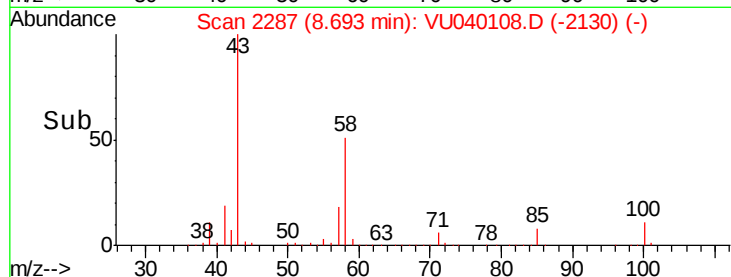
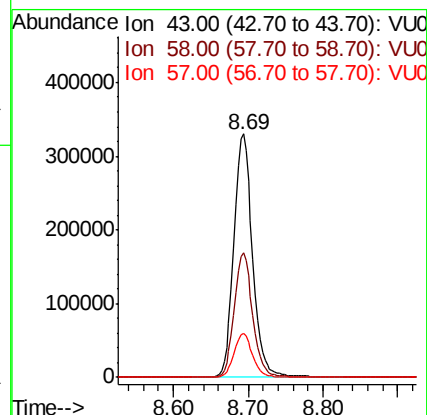
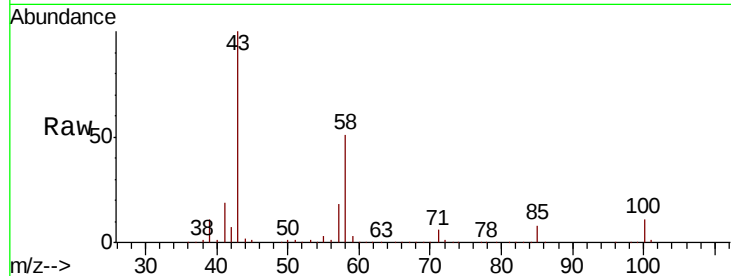




#54
2-Hexanone
Concen: 53.591 ug/l
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

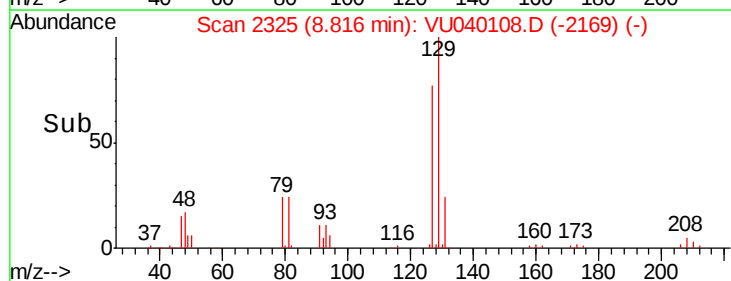
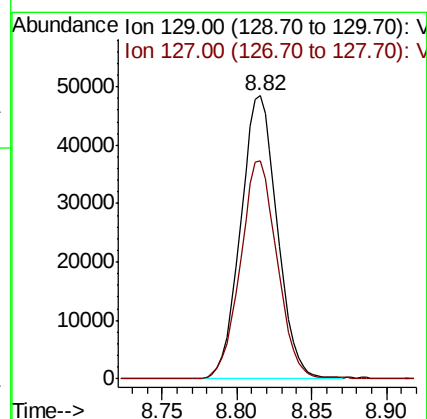
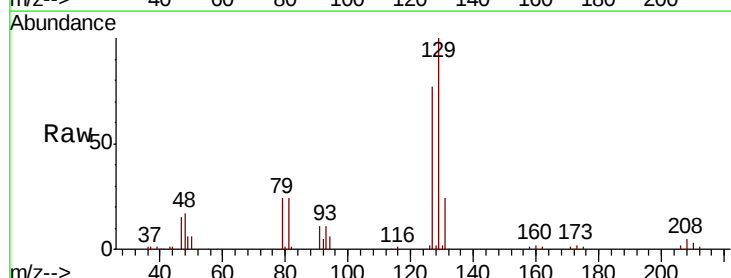
Instrument :
MSVOA_U
ClientSampled :

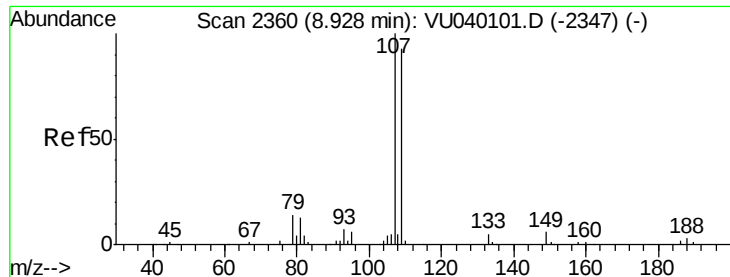
Tot Ion: 43 Resp: 571159
Ion Ratio Lower Upper
43 100
58 50.6 29.6 69.6
57 17.8 0.0 37.8



#55
Dibromochloromethane
Concen: 9.692 ug/l
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion: 129 Resp: 82371
Ion Ratio Lower Upper
129 100
127 77.1 62.7 94.1

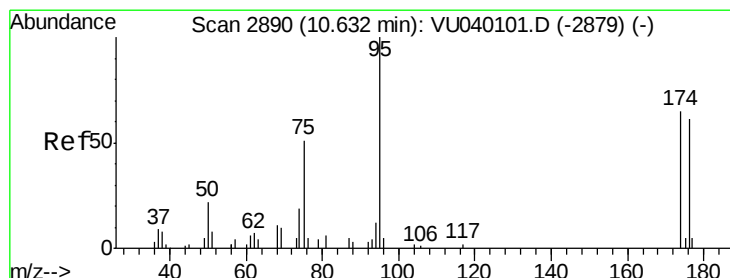
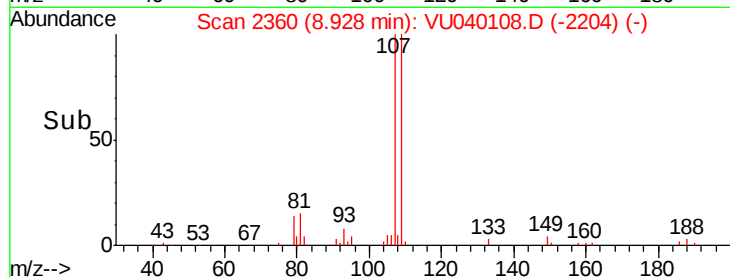
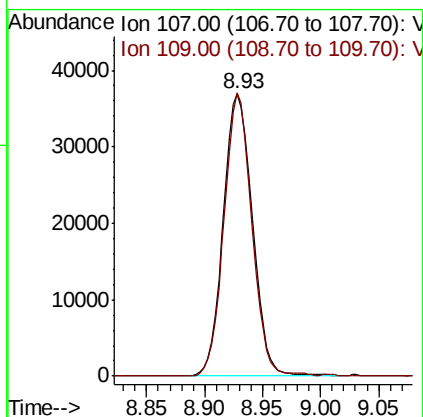
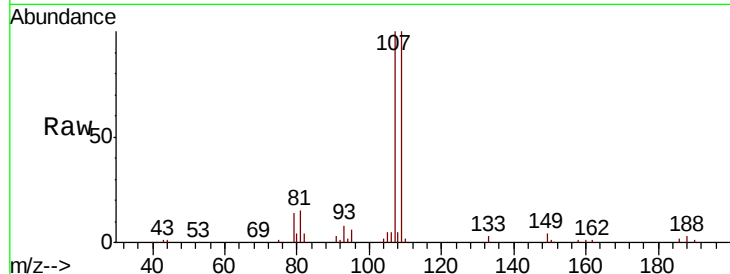




#56
 1,2-Dibromoethane
 Concen: 9.493 ug/l
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

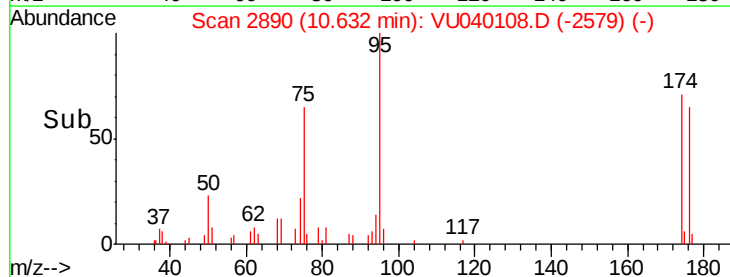
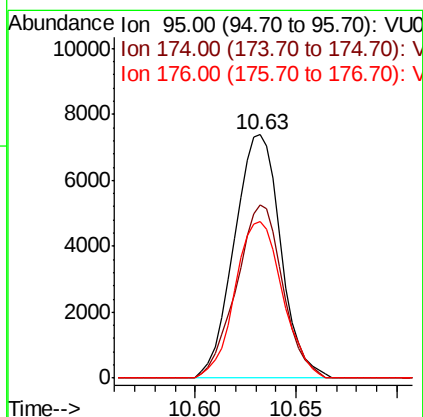
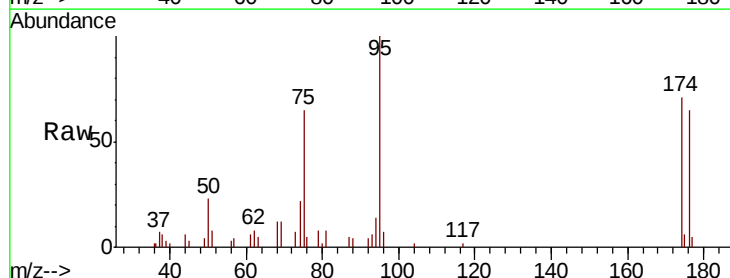
Instrument :
 MSVOA_U
 ClientSampleId :

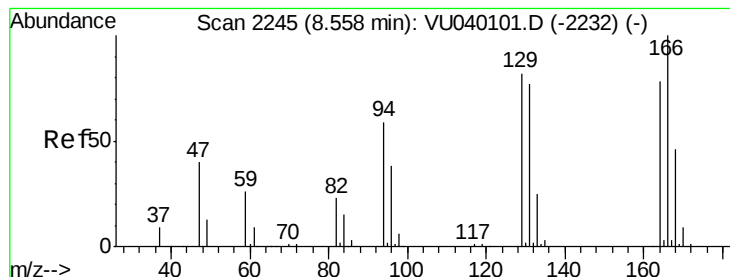
Tot Ion:107 Resp: 64117
 Ion Ratio Lower Upper
 107 100
 109 95.6 0.0 191.0



#57
 4-Bromofluorobenzene
 Concen: 0.957 ug/l
 RT: 10.63 min Scan# 2890
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Tgt Ion: 95 Resp: 11899
 Ion Ratio Lower Upper
 95 100
 174 70.7 49.4 74.0
 176 65.9 50.1 75.1





#58

Tetrachloroethene

Concen: 10.060 ug/l

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 57419

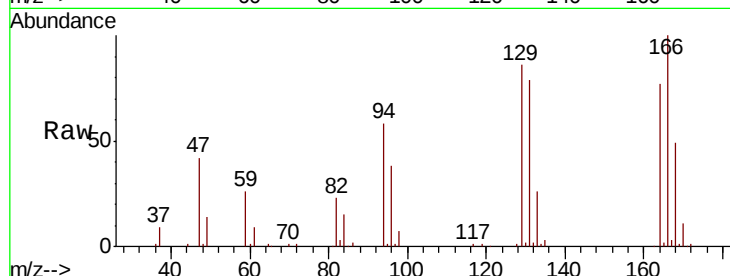
Ion Ratio Lower Upper

164 100

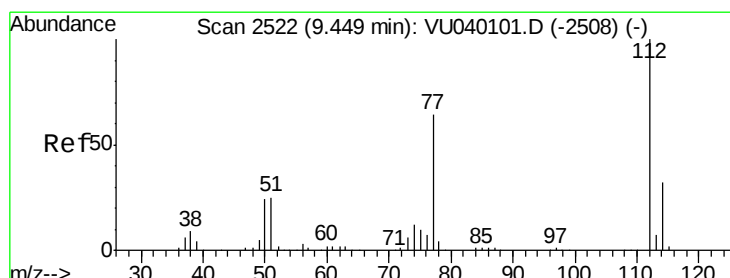
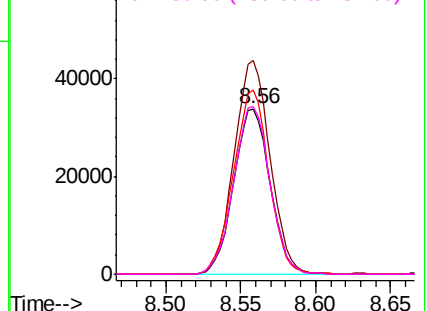
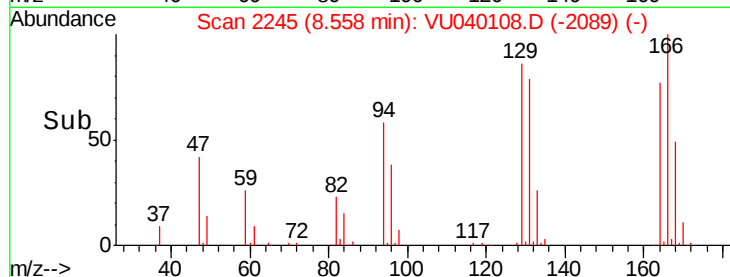
166 129.2 101.3 151.9

129 111.7 84.8 127.2

131 101.6 81.8 122.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#59

Chlorobenzene

Concen: 10.277 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040108.D

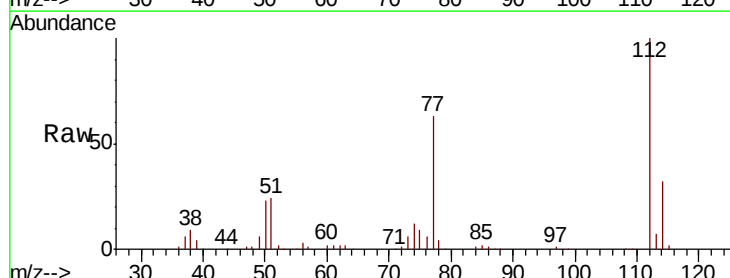
Acq: 11 Sep 2020 17:23

Tgt Ion:112 Resp: 229080

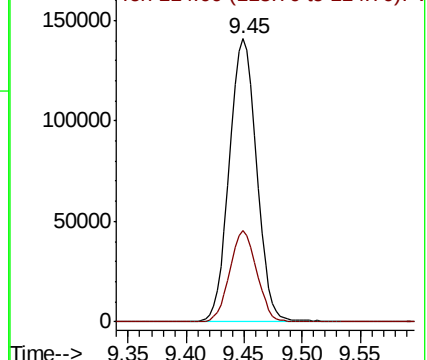
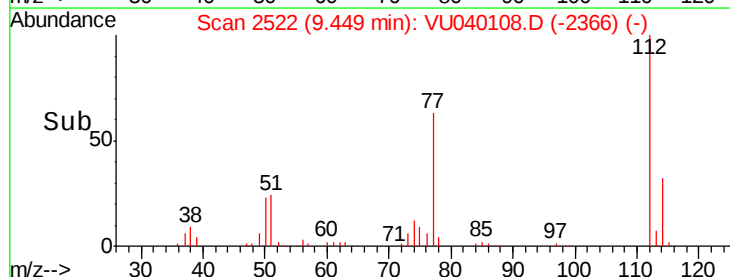
Ion Ratio Lower Upper

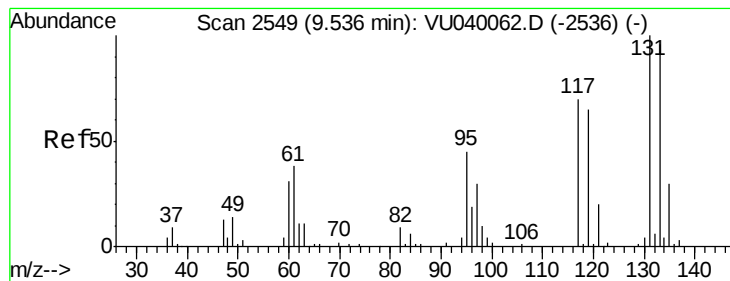
112 100

114 32.1 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V





#60

1,1,1,2-Tetrachloroethane

Concen: 13.413 ug/l

RT: 9.53 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

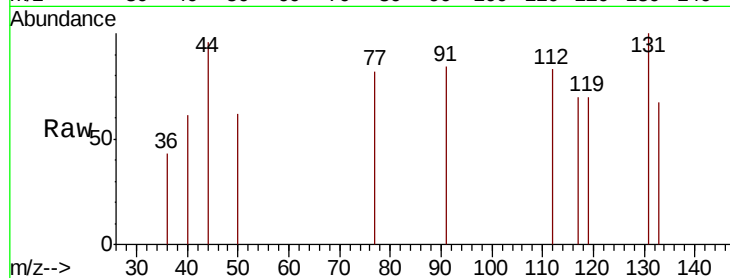
Tot Ion:131 Resp: 408

Ion Ratio Lower Upper

131 100

133 73.3 75.4 113.2#

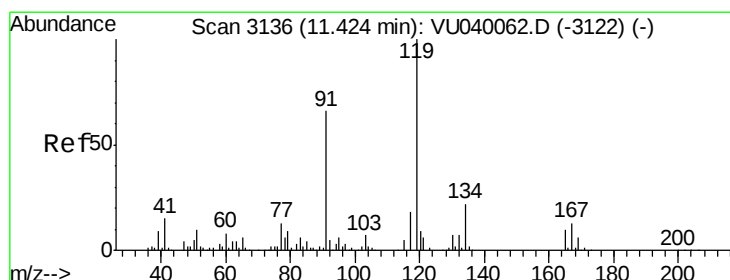
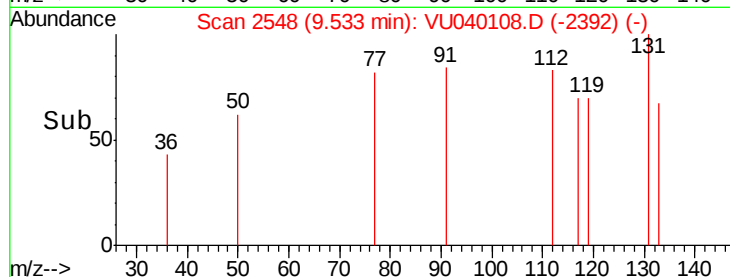
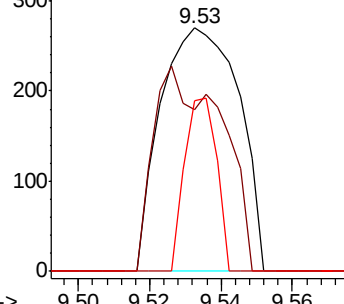
119 29.2 51.5 77.3#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#61

Pentachloroethane

Concen: 9.989 ug/l

RT: 11.46 min Scan# 3148

Delta R.T. 0.04 min

Lab File: VU040108.D

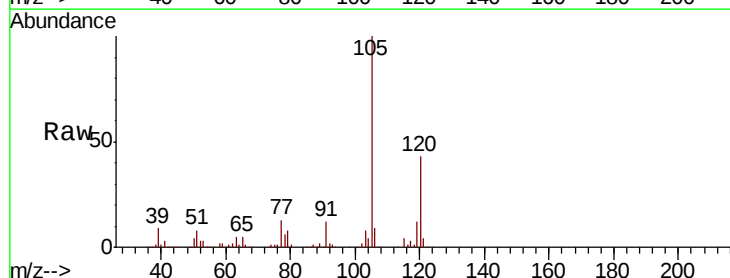
Acq: 11 Sep 2020 17:23

Tgt Ion:117 Resp: 11760

Ion Ratio Lower Upper

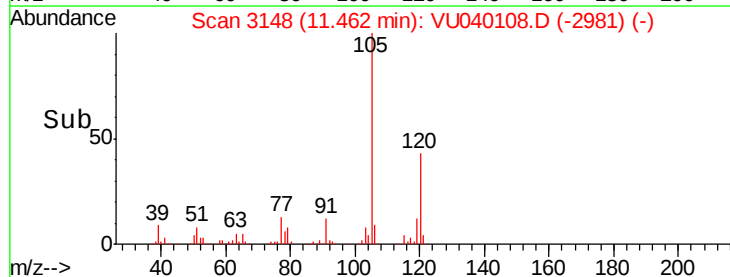
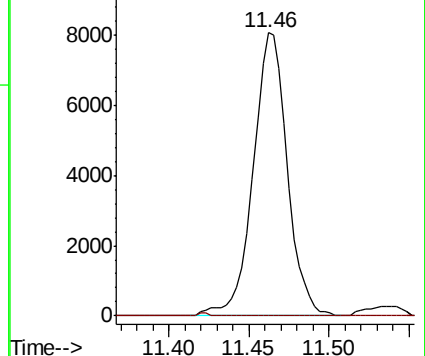
117 100

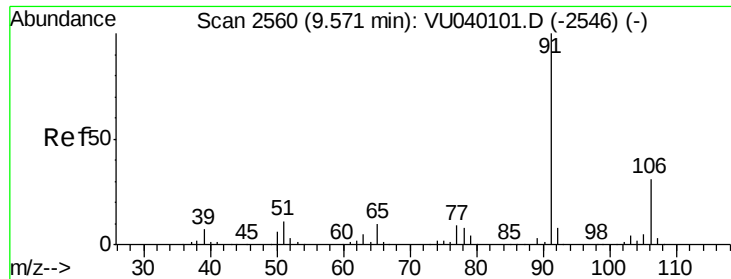
167 0.3 54.5 81.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V

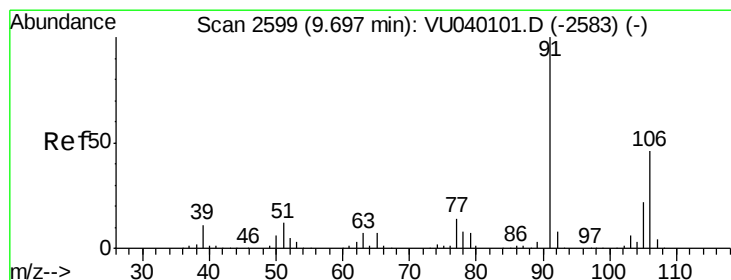
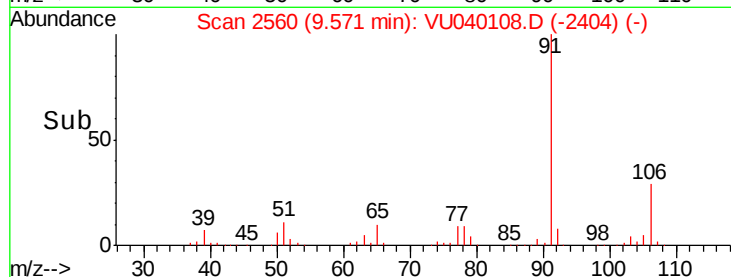
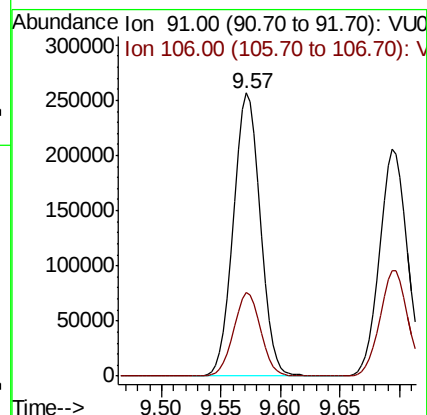
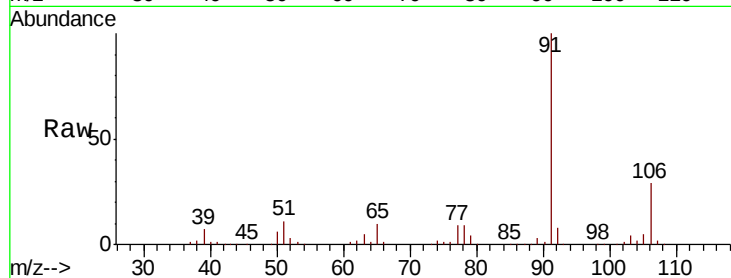




#63
Ethyl Benzene
Concen: 10.922 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

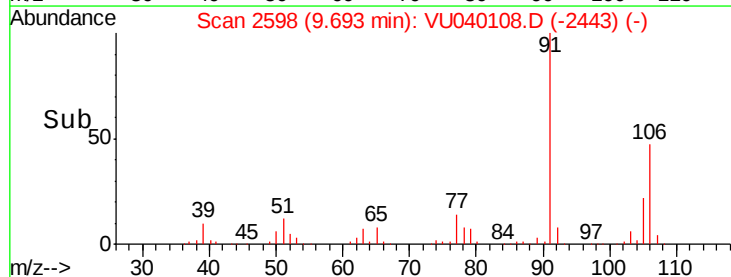
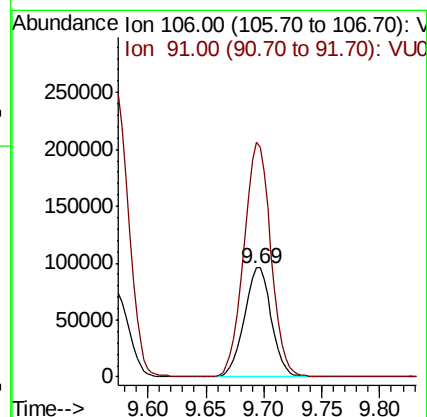
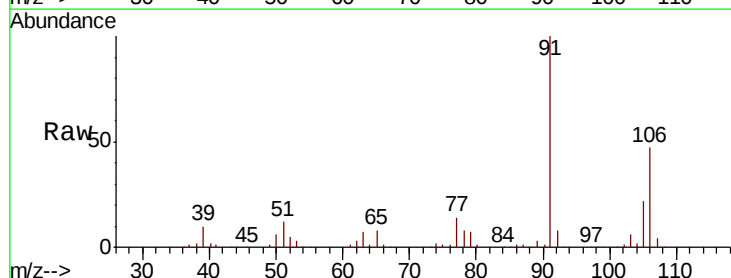
Instrument :
MSVOA_U
ClientSampled :

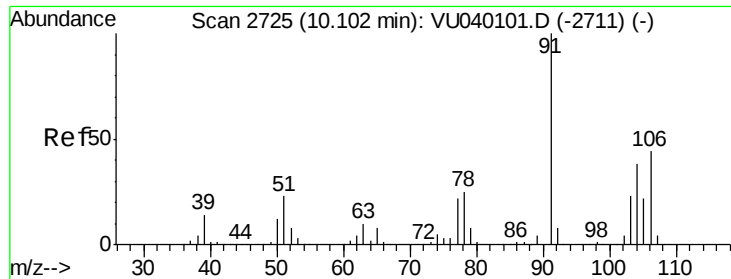
Tot Ion: 91 Resp: 404275
Ion Ratio Lower Upper
91 100
106 29.4 23.8 35.8



#64
m/p-Xylenes
Concen: 22.153 ug/l
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion: 106 Resp: 155748
Ion Ratio Lower Upper
106 100
91 213.9 171.4 257.2

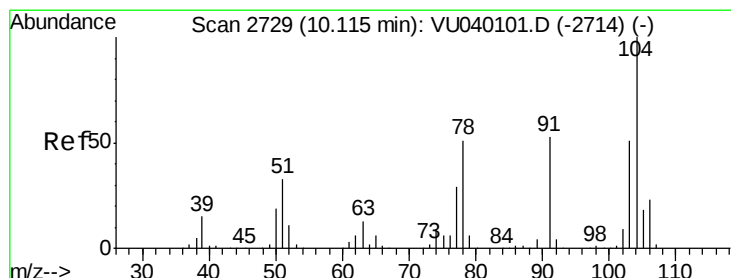
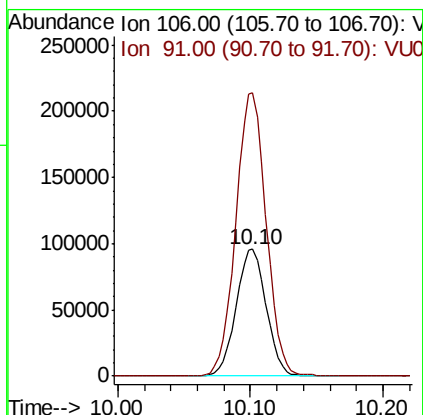
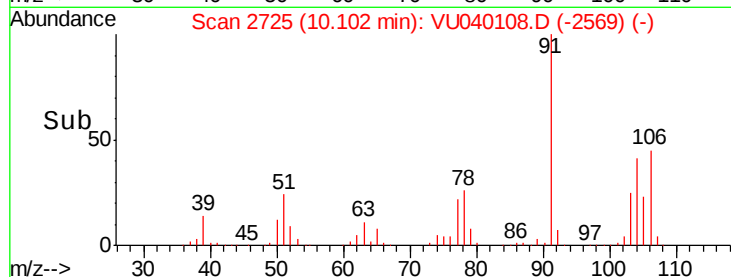
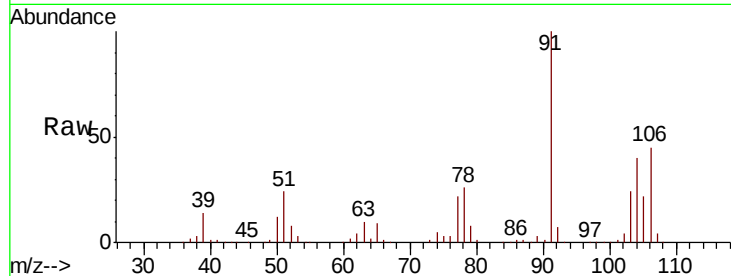




#65
o-Xylene
Concen: 11.209 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

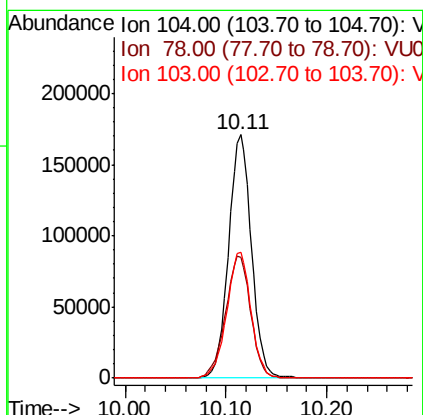
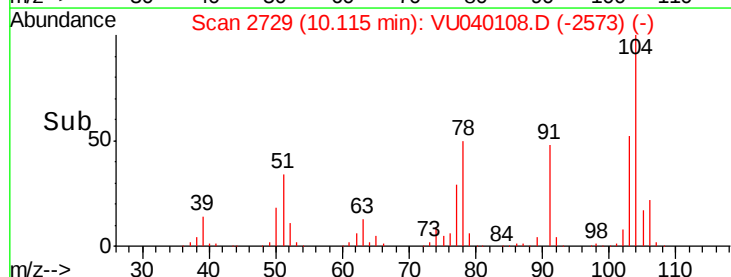
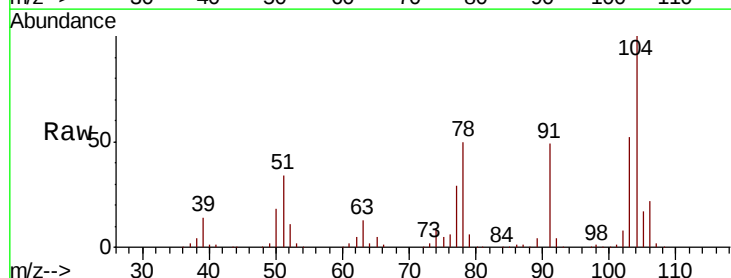
Instrument :
MSVOA_U
ClientSampleId :

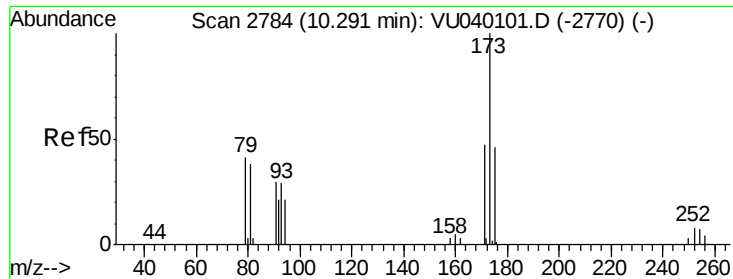
Tot Ion:106 Resp: 151203
Ion Ratio Lower Upper
106 100
91 224.9 114.2 342.6



#66
Styrene
Concen: 11.266 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040108.D
Acq: 11 Sep 2020 17:23

Tgt Ion:104 Resp: 271257
Ion Ratio Lower Upper
104 100
78 55.0 43.9 65.9
103 54.6 43.7 65.5





#67

Bromoform

Concen: 10.009 ug/l

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

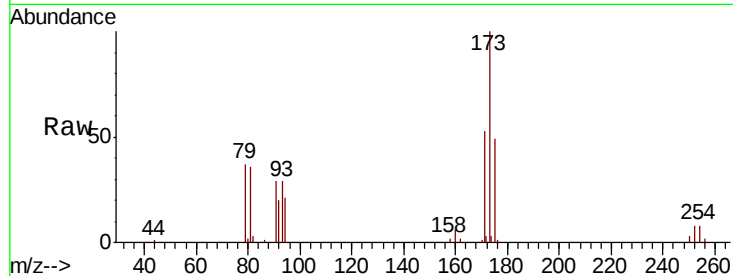
Tot Ion:173 Resp: 44544

Ion Ratio Lower Upper

173 100

175 46.6 38.0 57.0

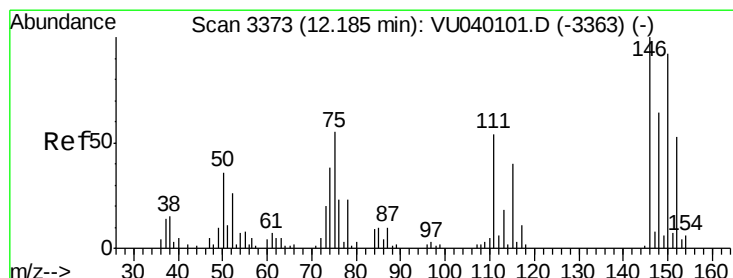
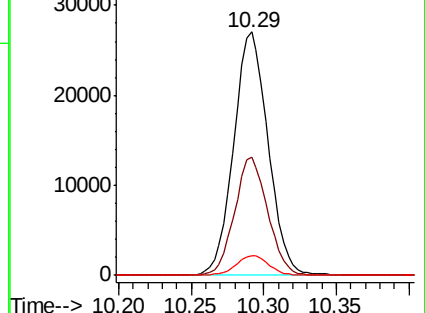
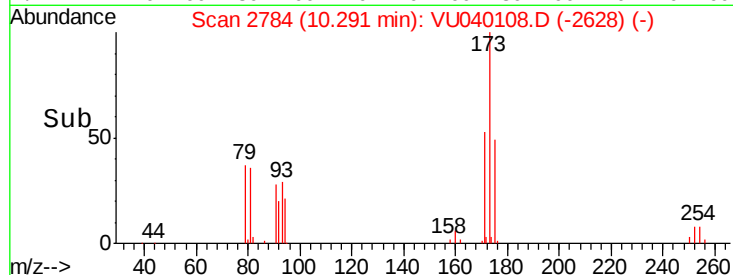
254 7.5 5.8 8.8



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.989 ug/l

RT: 12.19 min Scan# 3374

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

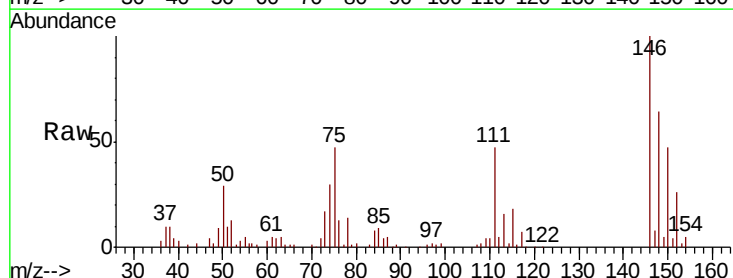
Tgt Ion:152 Resp: 11050

Ion Ratio Lower Upper

152 100

115 71.3 0.0 309.0

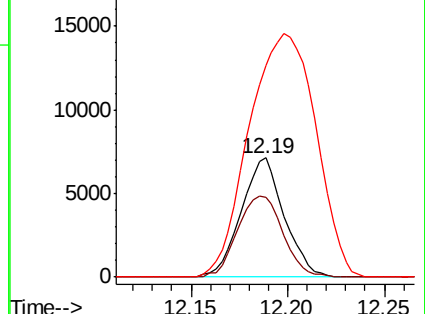
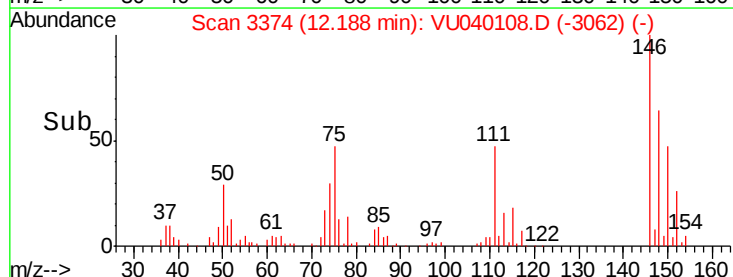
150 317.5 0.0 658.2

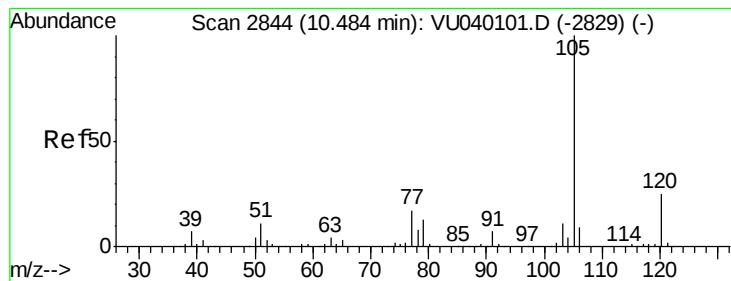


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 10.968 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

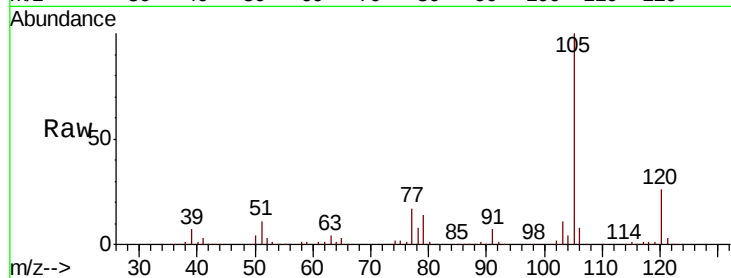
ClientSampleId :

Tot Ion:105 Resp: 409891

Ion Ratio Lower Upper

105 100

120 25.4 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

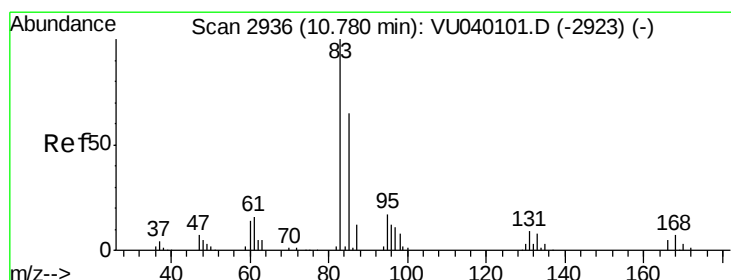
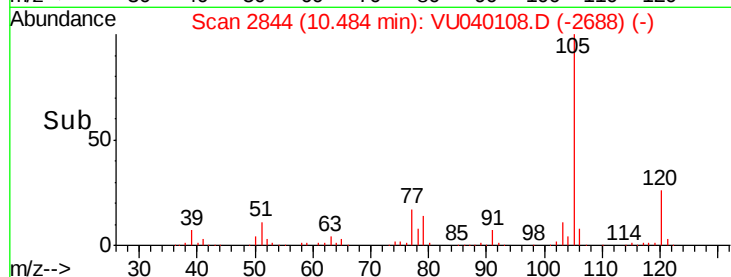
100000

50000

0

Time-->

10.40 10.50



#70

1,1,2,2-Tetrachloroethane

Concen: 9.627 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

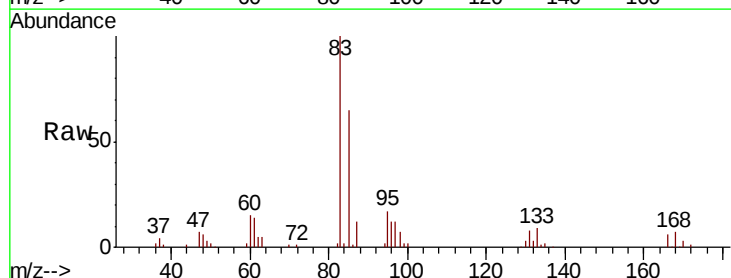
Tgt Ion: 83 Resp: 92133

Ion Ratio Lower Upper

83 100

131 8.7 7.5 11.3

85 63.5 49.7 74.5



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

60000

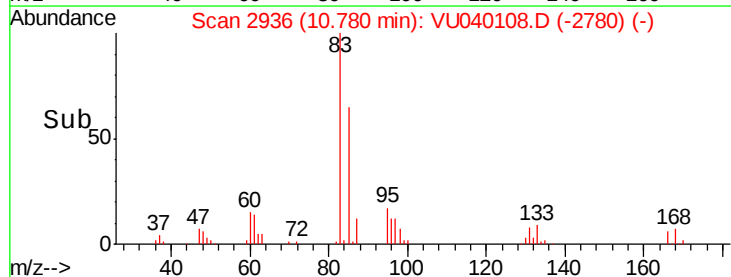
40000

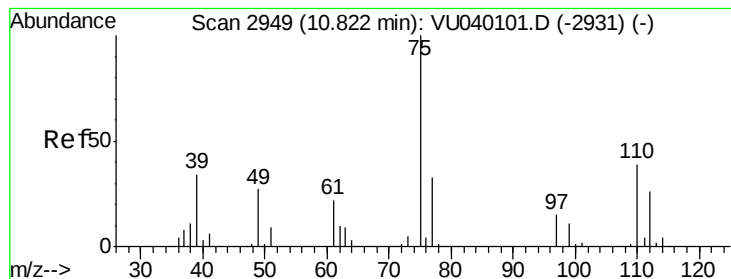
20000

0

Time-->

10.70 10.80





#71

1,2,3-Trichloropropane

Concen: 9.669 ug/l

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 70731

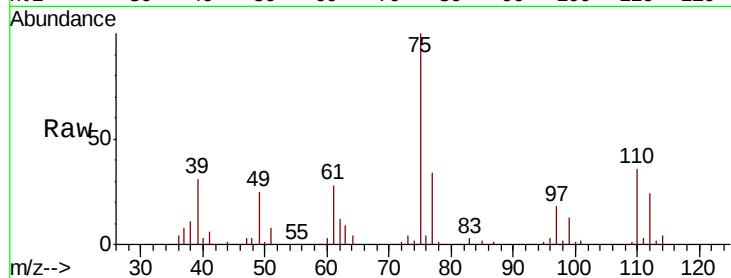
Ion Ratio Lower Upper

75 100

77 32.6 0.0 111.4

110 37.1 0.0 70.8

97 18.4 0.0 36.0

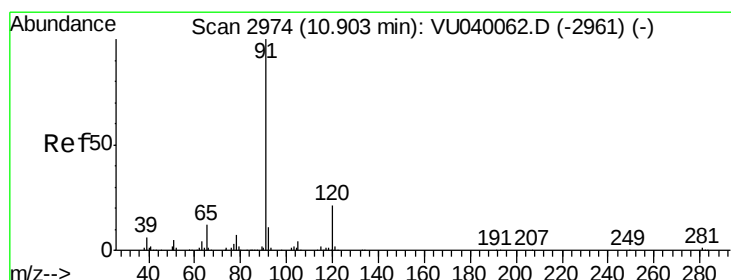
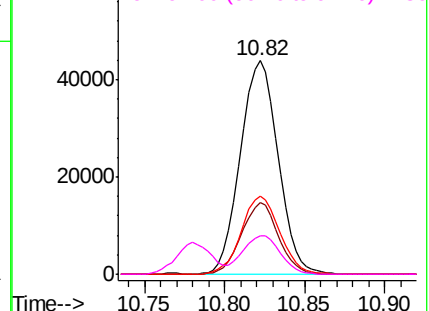
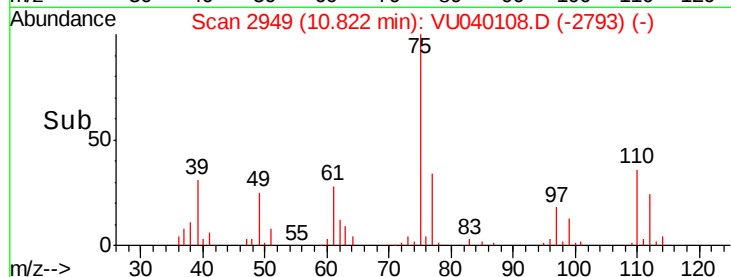


Abundance Ion 75.00 (74.70 to 75.70): VU040108.D (-2793) (-)

Ion 77.00 (76.70 to 77.70): VU040108.D (-2793) (-)

Ion 110.00 (109.70 to 110.70): VU040108.D (-2793) (-)

Ion 97.00 (96.70 to 97.70): VU040108.D (-2793) (-)



#73

n-propylbenzene

Concen: 11.543 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.18 min

Lab File: VU040108.D

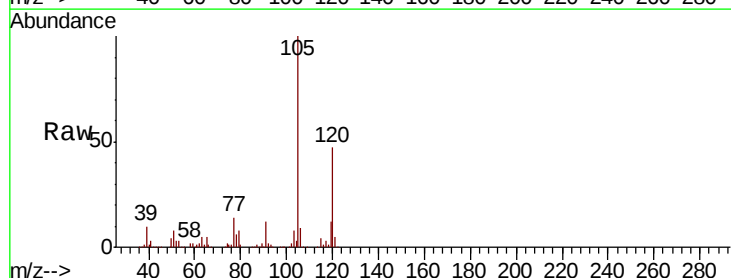
Acq: 11 Sep 2020 17:23

Tgt Ion: 120 Resp: 175222

Ion Ratio Lower Upper

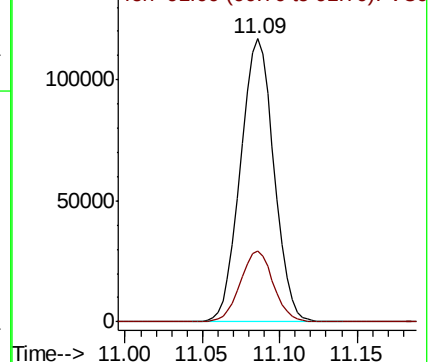
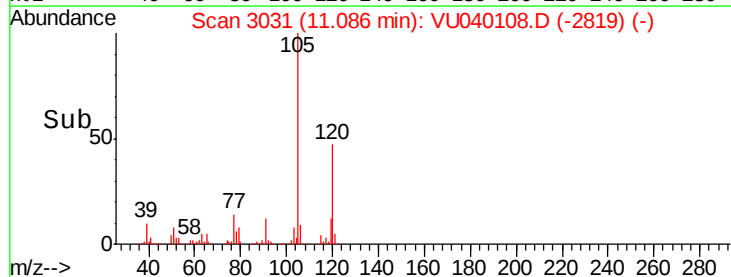
120 100

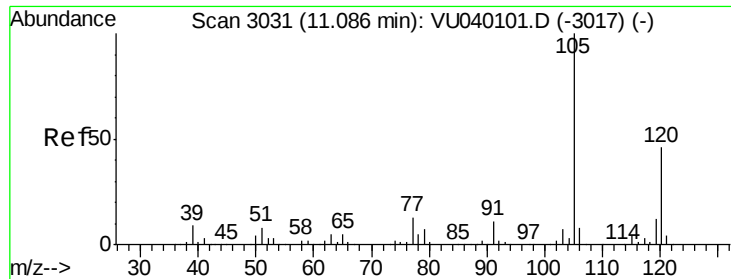
91 24.7 380.4 570.6#



Abundance Ion 120.00 (119.70 to 120.70): VU040108.D (-2819) (-)

Ion 91.00 (90.70 to 91.70): VU040108.D (-2819) (-)





#75

1,3,5-Trimethylbenzene

Concen: 11.413 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

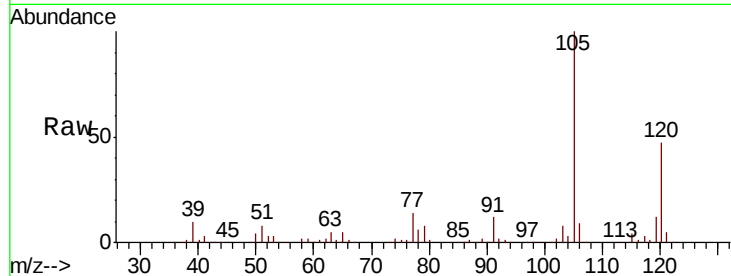
ClientSampled :

Tot Ion:105 Resp: 371704

Ion Ratio Lower Upper

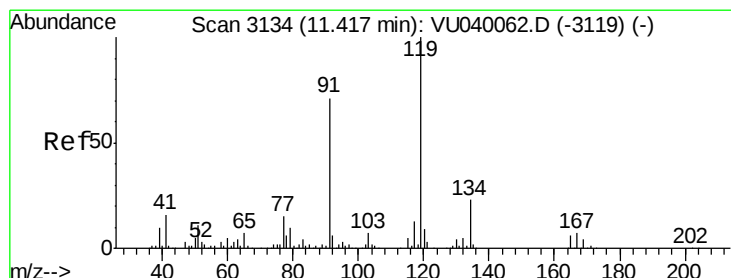
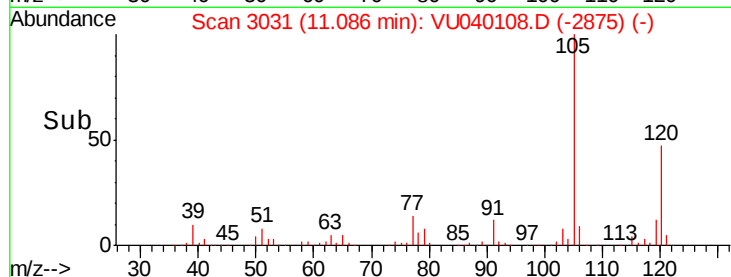
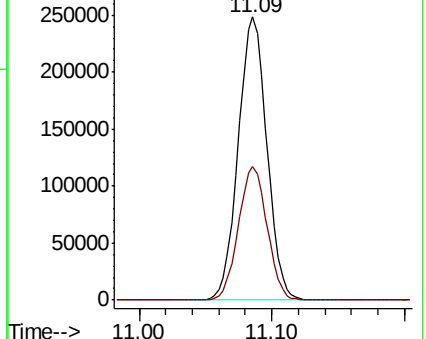
105 100

120 47.1 36.6 55.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

tert-Butylbenzene

Concen: 11.395 ug/l

RT: 11.46 min Scan# 3149

Delta R.T. 0.05 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

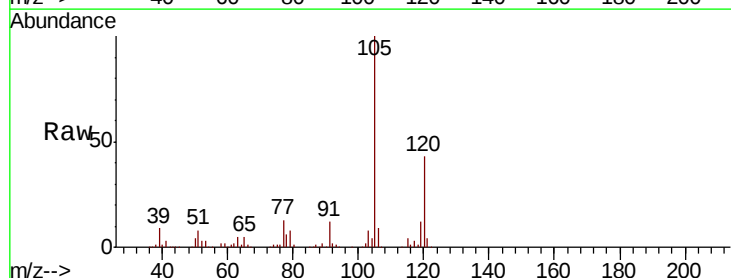
Tgt Ion:119 Resp: 44511

Ion Ratio Lower Upper

119 100

91 98.4 34.2 102.5

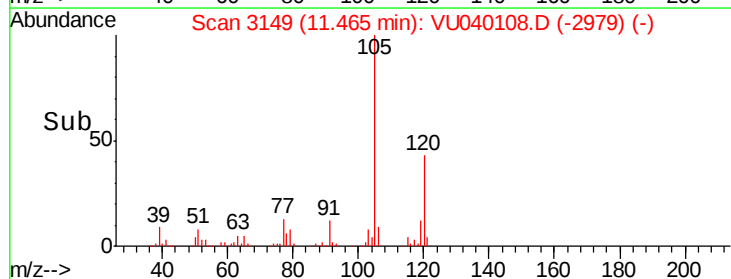
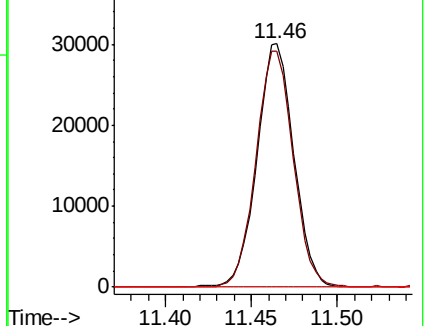
134 0.0 18.2 27.4#

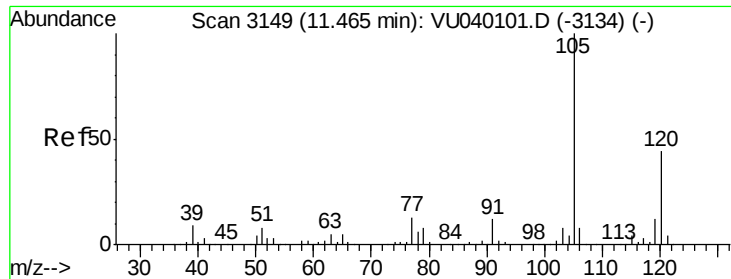


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V

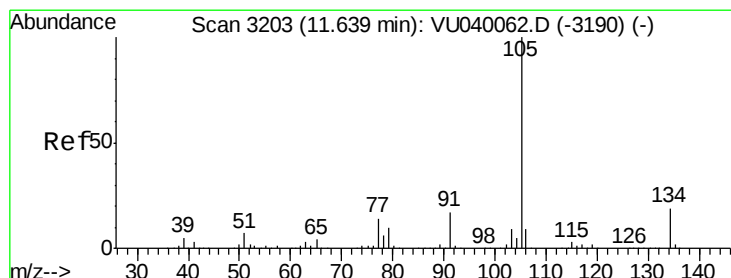
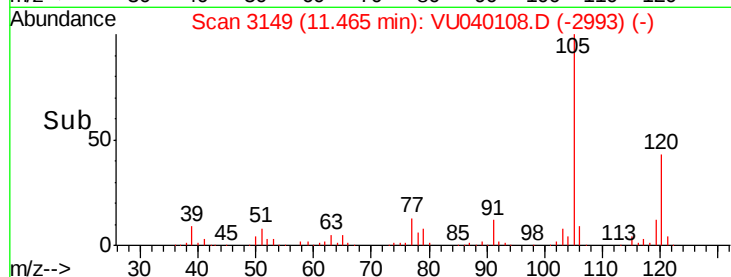
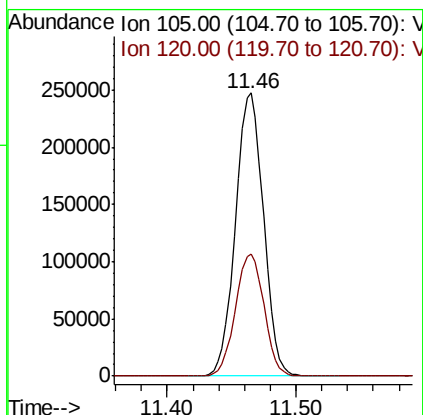
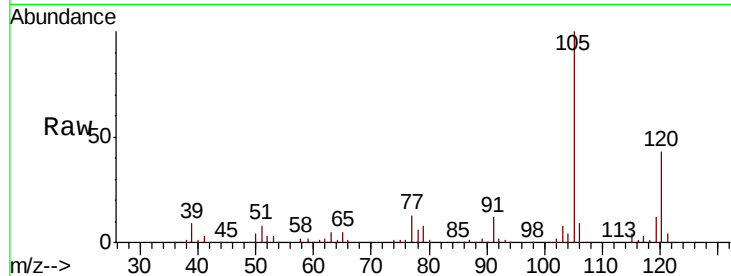




#78
 1,2,4-Trimethylbenzene
 Concen: 11.535 ug/l
 RT: 11.46 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

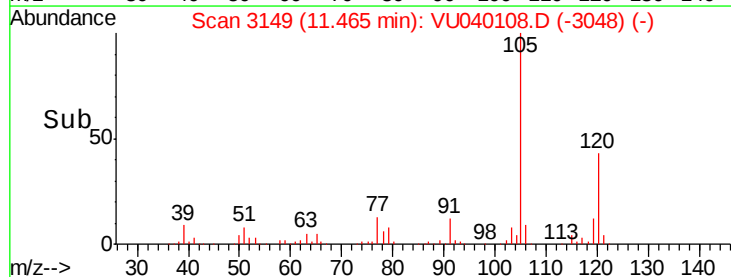
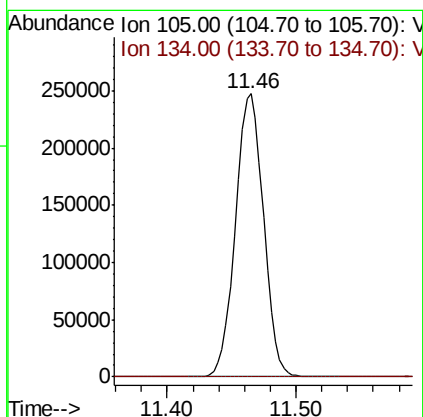
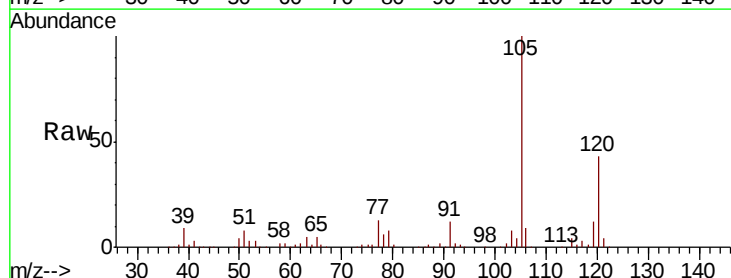
Instrument :
 MSVOA_U
 ClientSampleId :

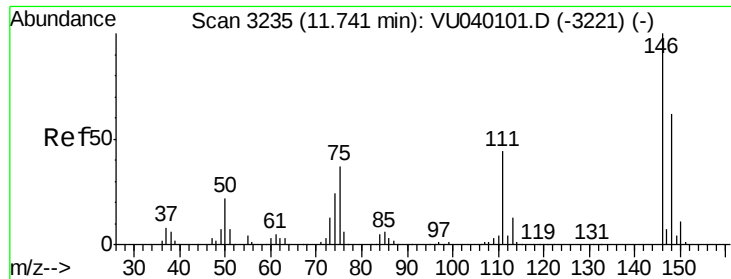
Tot Ion:105 Resp: 373702
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.9 65.5



#79
 sec-Butylbenzene
 Concen: 11.535 ug/l
 RT: 11.46 min Scan# 3149
 Delta R.T. -0.17 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Tgt Ion:105 Resp: 373702
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.0 22.4#





#82

1,3-Dichlorobenzene

Concen: 10.307 ug/l

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

Instrument :

MSVOA_U

ClientSampleId :

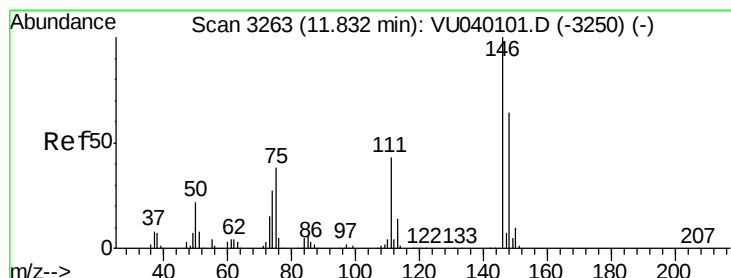
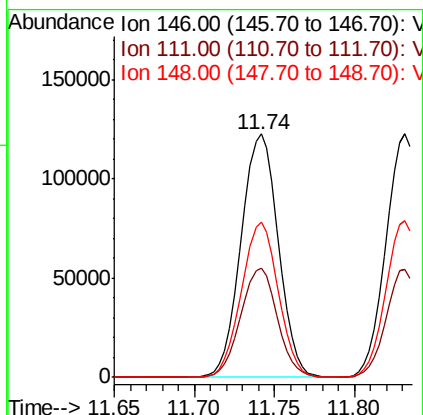
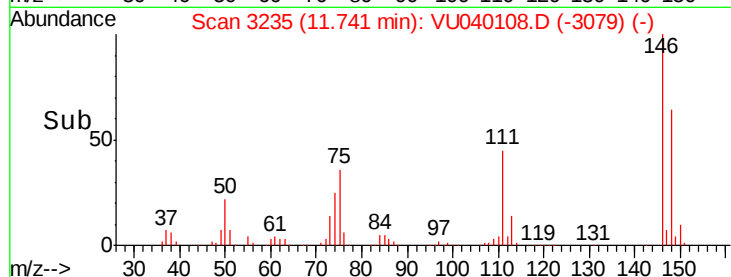
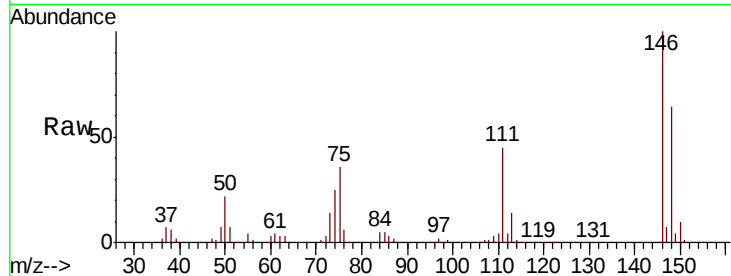
Tot Ion:146 Resp: 194141

Ion Ratio Lower Upper

146 100

111 44.3 35.4 53.0

148 63.1 49.7 74.5



#83

1,4-Dichlorobenzene

Concen: 10.452 ug/l

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040108.D

Acq: 11 Sep 2020 17:23

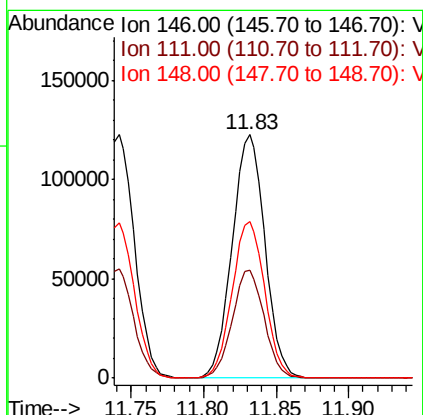
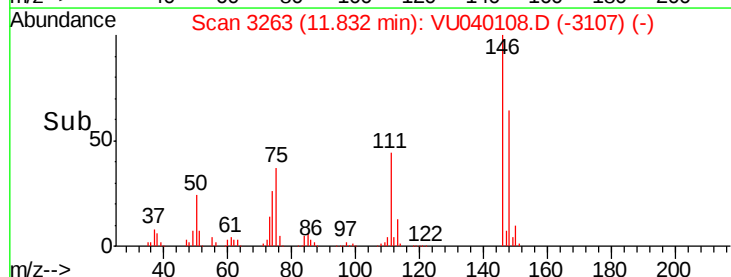
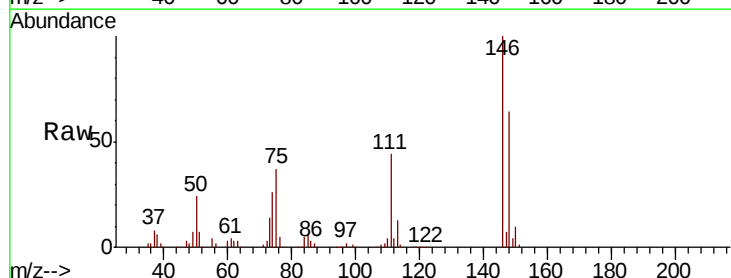
Tgt Ion:146 Resp: 192484

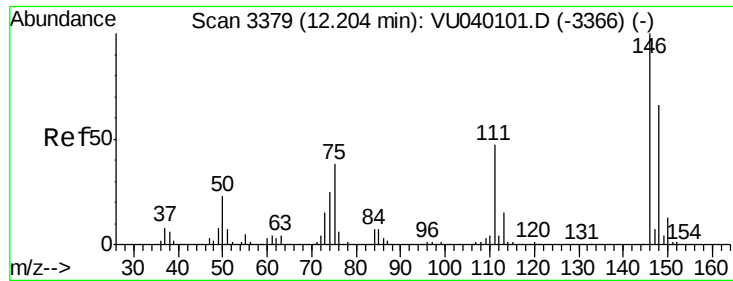
Ion Ratio Lower Upper

146 100

111 43.0 34.2 51.2

148 64.0 50.2 75.2

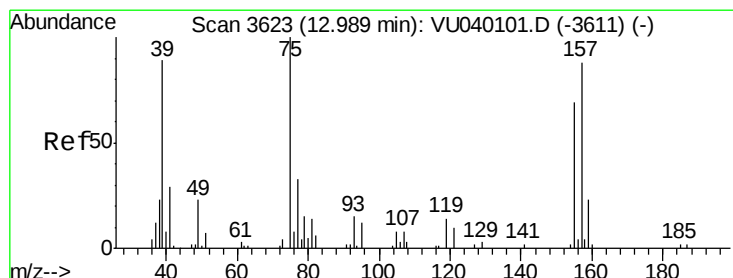
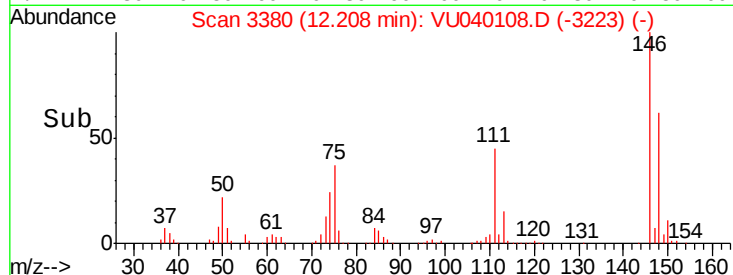
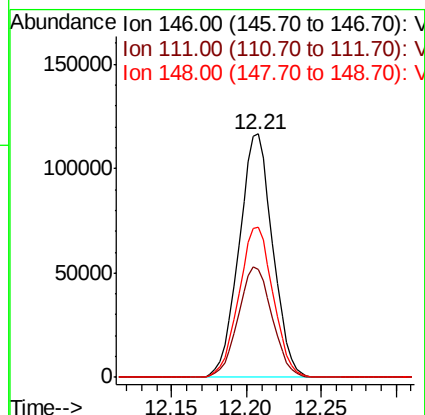
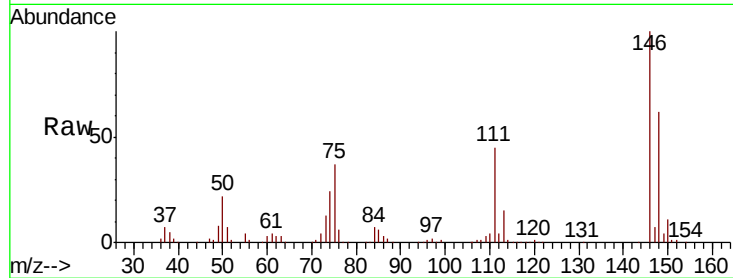




#85
 1,2-Dichlorobenzene
 Concen: 10.383 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

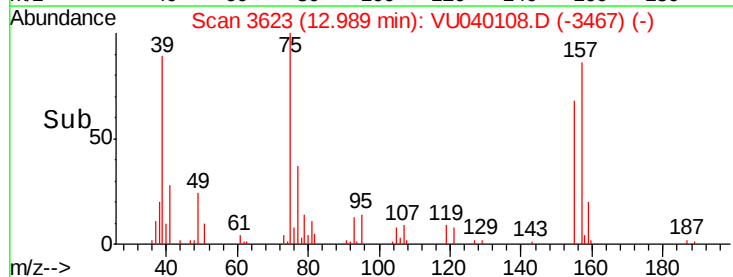
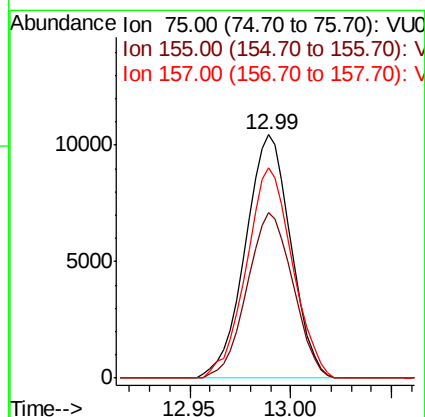
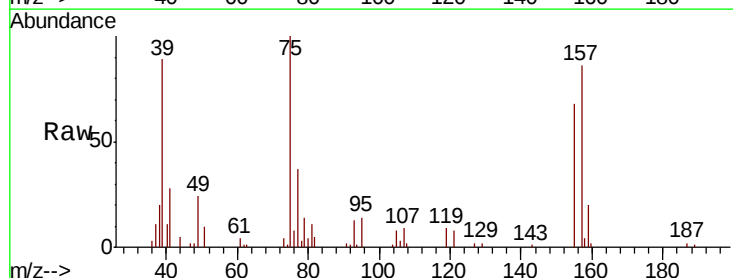
Instrument :
 MSVOA_U
 ClientSampled :

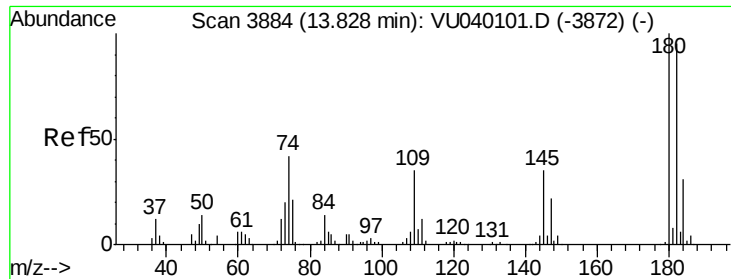
Tot Ion:146 Resp: 182265
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.9 68.7
 148 63.0 31.1 93.2



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.114 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Tgt Ion: 75 Resp: 16473
 Ion Ratio Lower Upper
 75 100
 155 68.4 53.4 80.0
 157 87.4 65.8 98.8

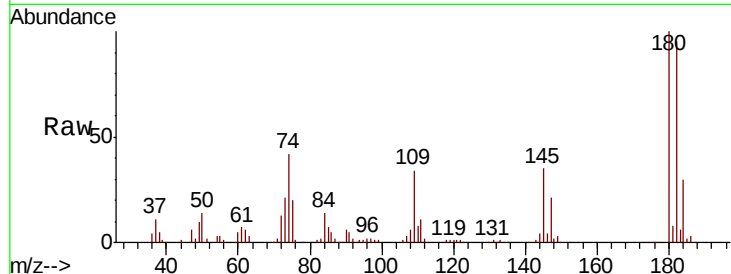




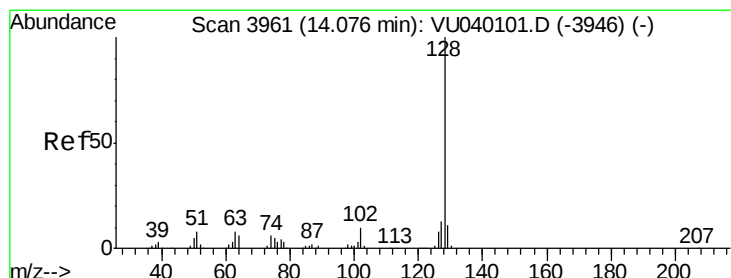
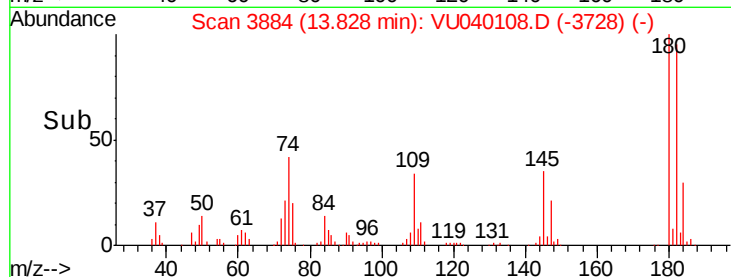
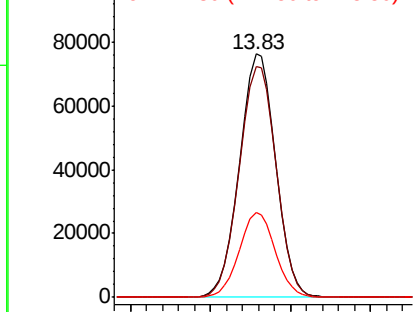
#87
 1,2,4-Trichlorobenzene
 Concen: 11.622 ug/l
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.0	112.4
145	34.7	27.7	41.5

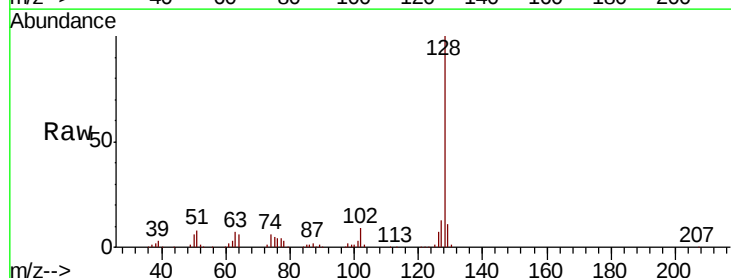


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

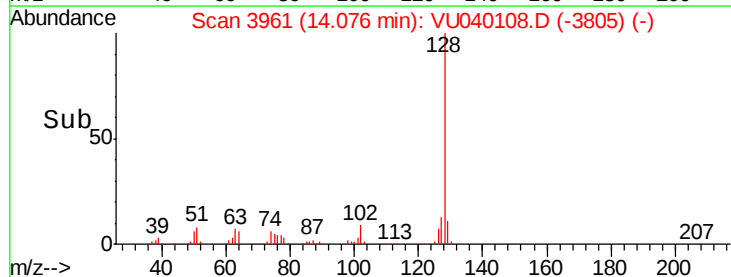
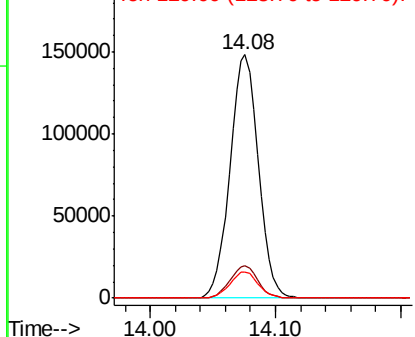


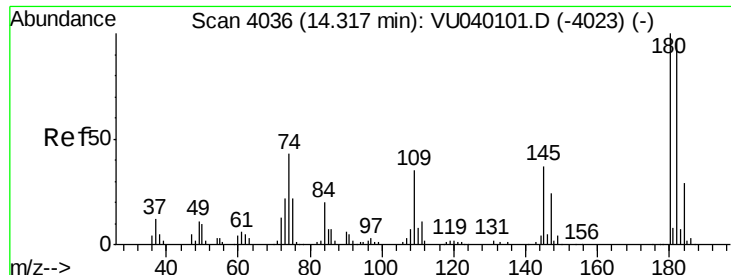
#89
 Naphthalene
 Concen: 12.493 ug/l
 RT: 14.08 min Scan# 3961
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.3	12.5



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

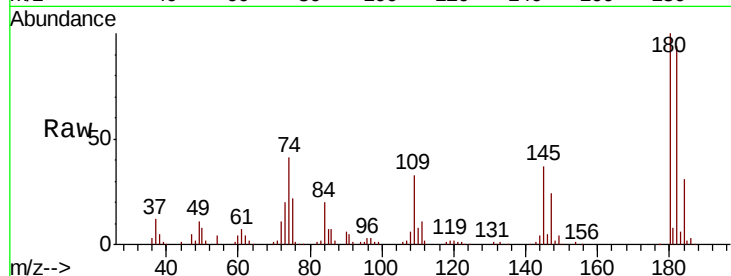




#90
 1,2,3-Trichlorobenzene
 Concen: 11.481 ug/l
 RT: 14.32 min Scan# 4036
 Delta R.T. 0.00 min
 Lab File: VU040108.D
 Acq: 11 Sep 2020 17:23

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.0	114.0
145	36.0	30.6	45.8



Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.70 (181.40 to 182.40): V
 Ion 144.80 (144.50 to 145.50): V

