

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091120\
 Data File : VU040106.D
 Acq On : 11 Sep 2020 16:36
 Operator : SY/MD
 Sample : VU0911WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Quant Time: Sep 12 05:04:37 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	6.12	96	31717	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	11901	0.90	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	11477	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	25056	1.786	ug/l	100
3) Chloromethane	1.53	50	20938	1.865	ug/l	98
4) Vinyl Chloride	1.61	62	22301	1.759	ug/l	95
5) Bromomethane	1.86	94	8450	2.127	ug/l	92
6) Chloroethane	1.94	64	13457	1.853	ug/l	98
7) Trichlorofluoromethane	2.15	101	30604	1.711	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	14952	1.871	ug/l	98
9) 1,1-Dichloroethene	2.59	96	11325	1.851	ug/l	99
13) Acetone	2.68	43	43713	9.429	ug/l #	88
14) Carbon Disulfide	2.81	76	17968	1.679	ug/l	98
15) Methylene Chloride	3.06	84	18399	1.790	ug/l	92
16) trans-1,2-Dichloroethene	3.37	96	12226	1.859	ug/l	95
17) 1,1-Dichloroethane	3.89	63	30946	1.916	ug/l	97
18) 2-Butanone	4.74	43	67178	9.594	ug/l	98
19) Cyclohexane	5.40	56	18325	1.828	ug/l	97
20) Methylcyclohexane	6.77	83	18662	1.837	ug/l	100
22) cis-1,2-Dichloroethene	4.68	96	16072	1.939	ug/l	85
23) Diethyl Ether	2.58	59	1027	2.600	ug/l #	12
25) Methyl tert-Butyl Ether	3.38	73	41557	1.875	ug/l	99
26) Bromochloromethane	4.99	128	7127	1.769	ug/l	98
27) Chloroform	5.11	83	32154	1.820	ug/l	100
28) 1,1,1-Trichloroethane	5.33	97	26046	1.755	ug/l	99
29) 1,1-Dichloropropene	5.79	75	1203	1.954	ug/l #	1
30) Carbon Tetrachloride	5.54	117	22519	1.847	ug/l	97
35) Benzene	5.79	78	60096	1.897	ug/l	96
36) 1,2-Dichloroethane	5.81	62	22924	1.800	ug/l	99
37) Trichloroethene	6.55	130	15425	1.895	ug/l	97
38) 1,2-Dichloropropane	6.80	63	17095	1.743	ug/l	92
44) Bromodichloromethane	7.11	83	23740	1.771	ug/l	98
45) 4-Methyl-2-Pentanone	7.80	43	143996	9.010	ug/l	98
46) t-1,4-Dichloro-2-butene	10.82	75	14125	3.669	ug/l #	16
47) Methyl methacrylate	6.77	69	3919	3.562	ug/l #	20
49) Toluene	7.97	92	36957	1.839	ug/l	99
50) t-1,3-Dichloropropene	8.21	75	21895	1.744	ug/l	92
51) cis-1,3-Dichloropropene	7.61	75	23134	1.791	ug/l	96
52) 1,1,2-Trichloroethane	8.40	97	13828	1.775	ug/l	95
54) 2-Hexanone	8.69	43	103674	9.177	ug/l	99
55) Dibromochloromethane	8.82	129	15162	1.683	ug/l	98
56) 1,2-Dibromoethane	8.93	107	12824	1.791	ug/l	96
58) Tetrachloroethene	8.56	164	11316	1.870	ug/l	94
59) Chlorobenzene	9.45	112	43963	1.861	ug/l	100

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

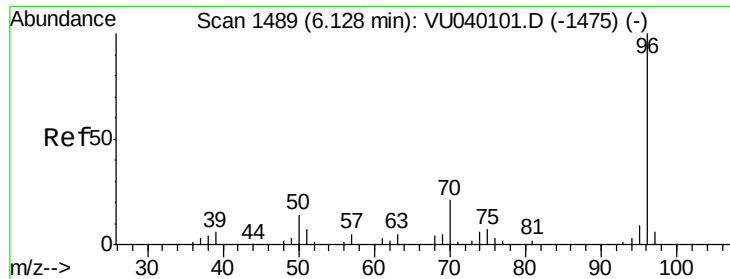
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Quant Time: Sep 12 05:04:37 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	1947	1.560	ug/l #	16
63) Ethyl Benzene	9.57	91	70206	1.789	ug/l	99
64) m/p-Xylenes	9.69	106	28231	3.788	ug/l	94
65) o-Xylene	10.10	106	26981	1.887	ug/l	95
66) Styrene	10.11	104	46617	1.826	ug/l	99
67) Bromoform	10.29	173	8190	1.736	ug/l	96
69) Isopropylbenzene	10.48	105	70850	1.788	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.78	83	18155	1.790	ug/l	99
71) 1,2,3-Trichloropropane	10.82	75	14125	1.822	ug/l	83
73) n-propylbenzene	11.09	120	28130	1.748	ug/l #	1
75) 1,3,5-Trimethylbenzene	11.09	105	61886	1.793	ug/l	99
77) tert-Butylbenzene	11.46	119	7228	1.746	ug/l #	58
78) 1,2,4-Trimethylbenzene	11.46	105	60646	1.766	ug/l	99
79) sec-Butylbenzene	11.46	105	60646	1.766	ug/l #	58
82) 1,3-Dichlorobenzene	11.74	146	36448	1.825	ug/l	99
83) 1,4-Dichlorobenzene	11.83	146	36331	1.861	ug/l	97
85) 1,2-Dichlorobenzene	12.21	146	36222	1.947	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	2920	1.691	ug/l	93
87) 1,2,4-Trichlorobenzene	13.83	180	22056	2.063	ug/l	97
89) Naphthalene	14.08	128	32112	1.627	ug/l	98
90) 1,2,3-Trichlorobenzene	14.32	180	18437	1.814	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

Tot Ion: 96 Resp: 31717

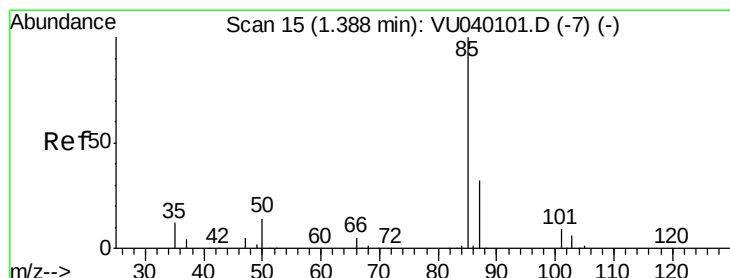
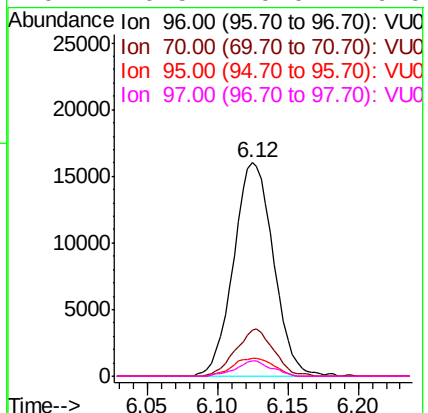
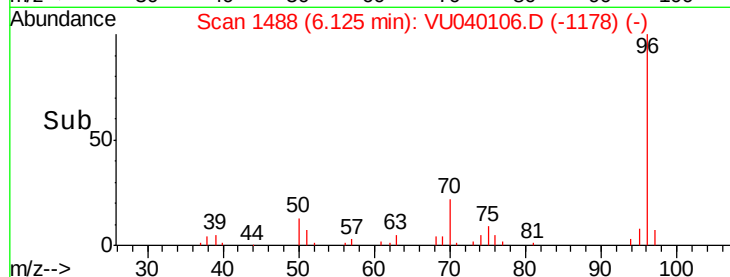
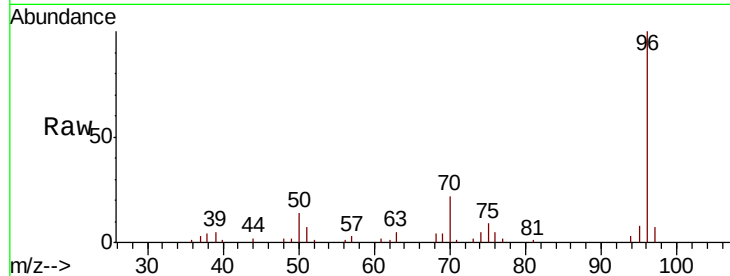
Ion Ratio Lower Upper

96 100

70 21.2 17.1 25.7

95 8.6 7.6 11.4

97 6.5 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 1.786 ug/l

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040106.D

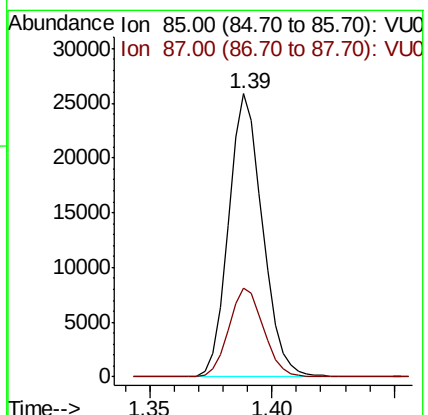
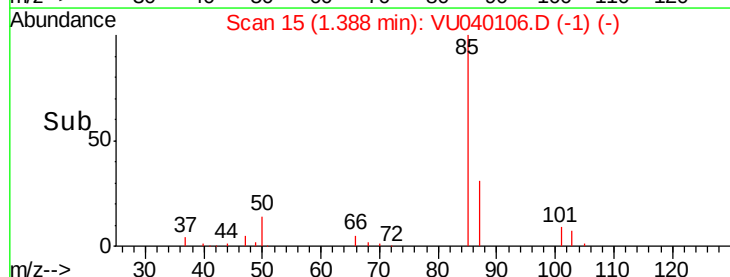
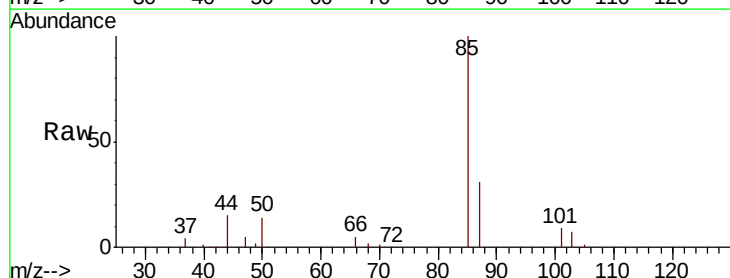
Acq: 11 Sep 2020 16:36

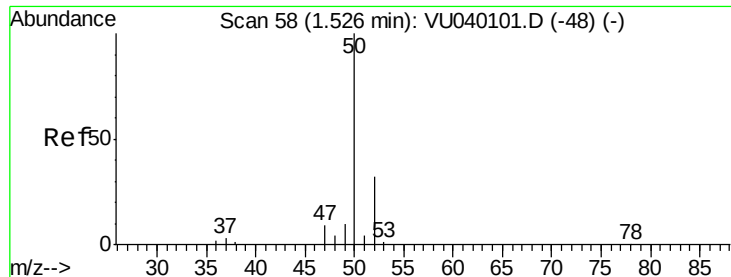
Tgt Ion: 85 Resp: 25056

Ion Ratio Lower Upper

85 100

87 31.3 15.6 46.8





#3

Chloromethane

Concen: 1.865 ug/l

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

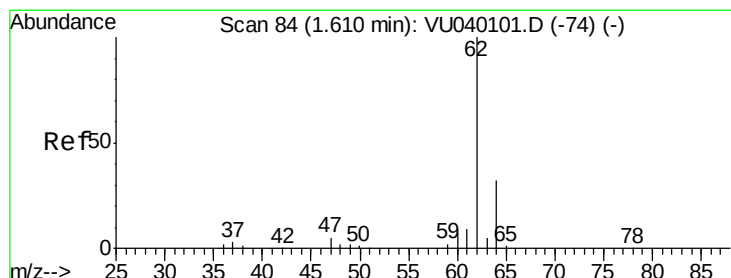
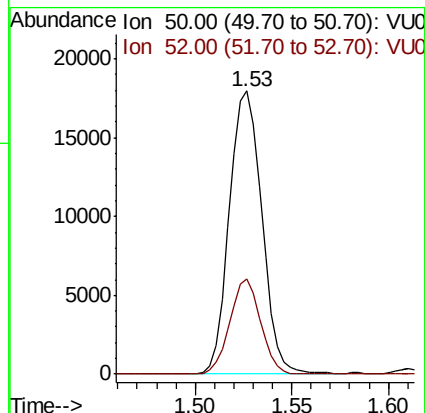
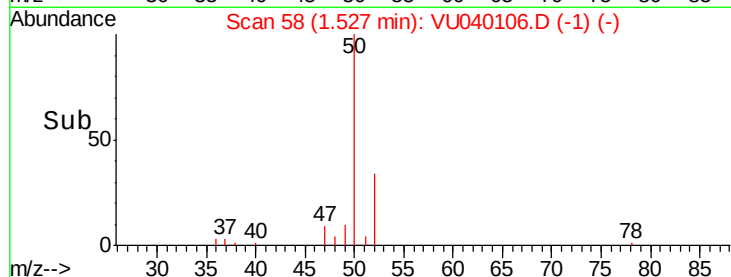
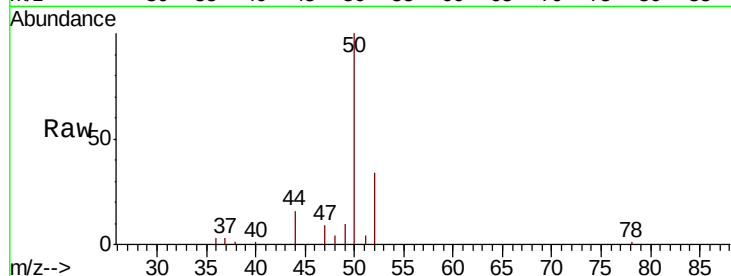
VU0911WBS01

Tot Ion: 50 Resp: 20938

Ion Ratio Lower Upper

50 100

52 33.7 25.9 38.9



#4

Vinyl Chloride

Concen: 1.759 ug/l

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040106.D

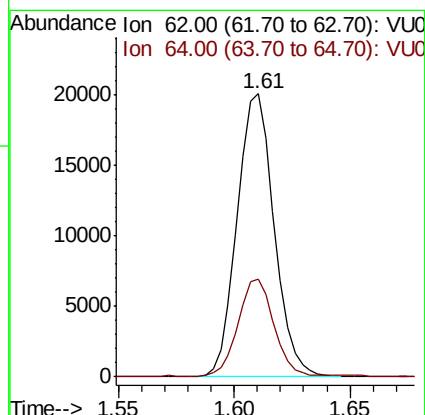
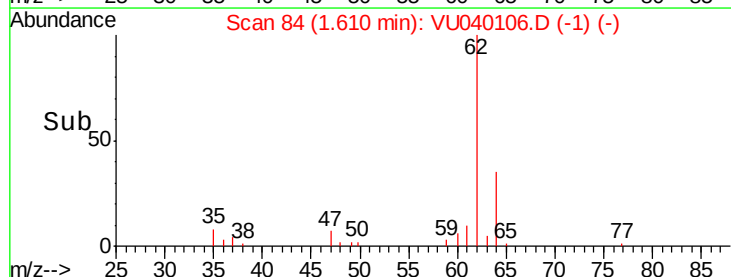
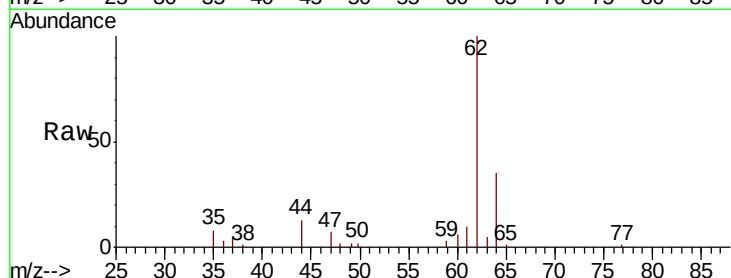
Acq: 11 Sep 2020 16:36

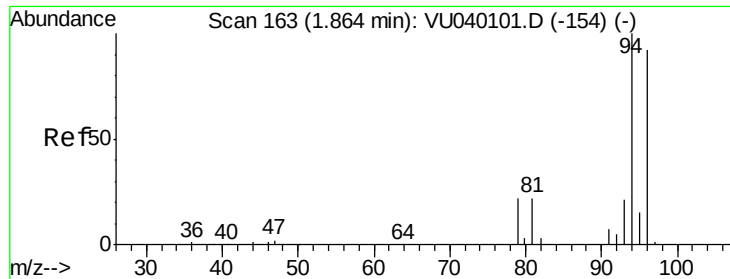
Tgt Ion: 62 Resp: 22301

Ion Ratio Lower Upper

62 100

64 34.7 25.4 38.0





#5

Bromomethane

Concen: 2.127 ug/l

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

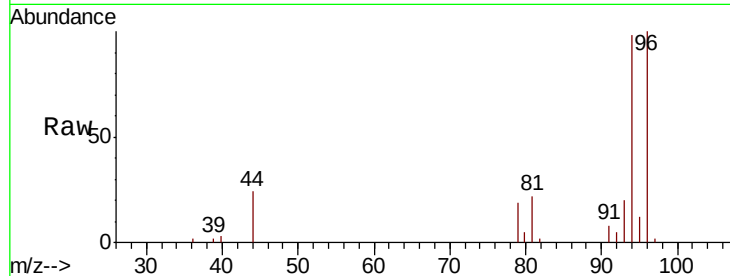
VU0911WBS01

Tot Ion: 94 Resp: 8450

Ion Ratio Lower Upper

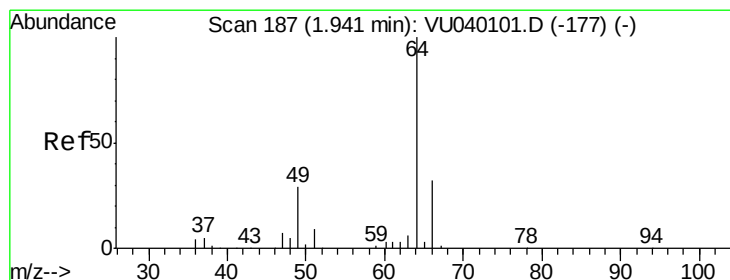
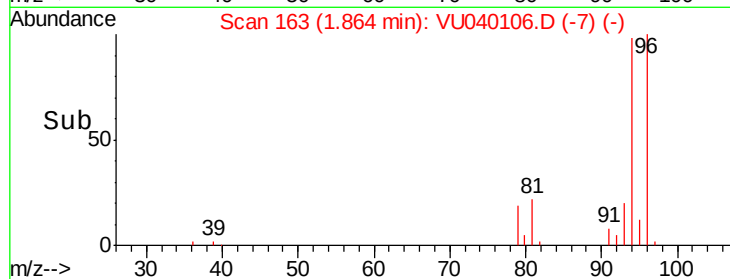
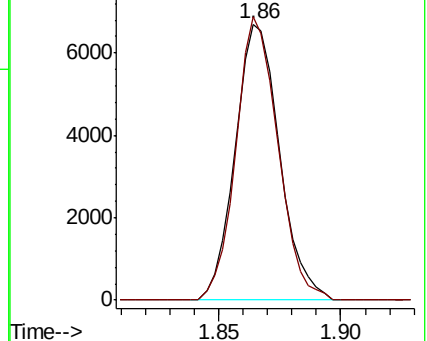
94 100

96 102.5 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 1.853 ug/l

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU040106.D

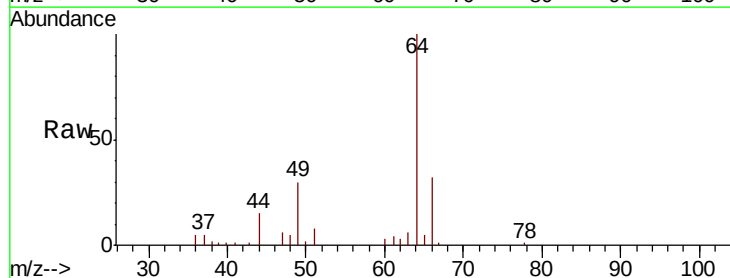
Acq: 11 Sep 2020 16:36

Tgt Ion: 64 Resp: 13457

Ion Ratio Lower Upper

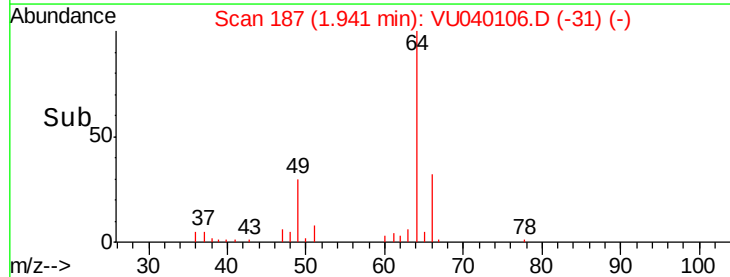
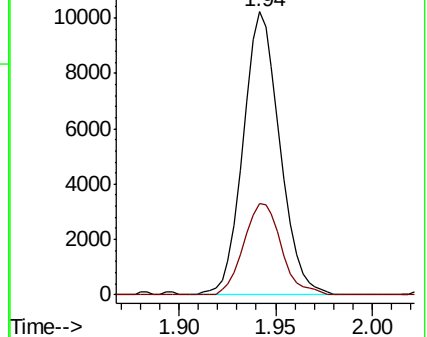
64 100

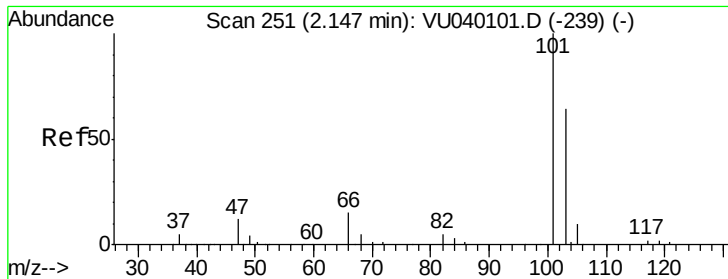
66 32.1 26.7 40.1



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



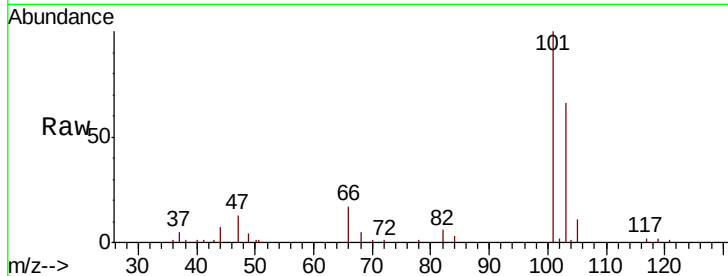


#7

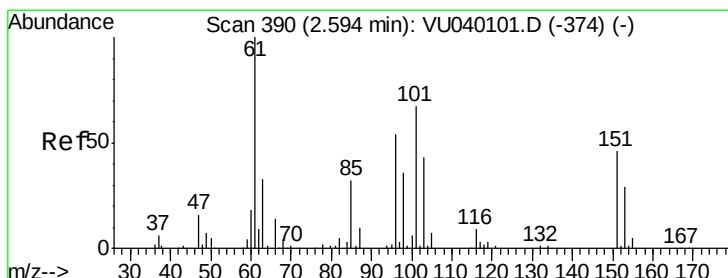
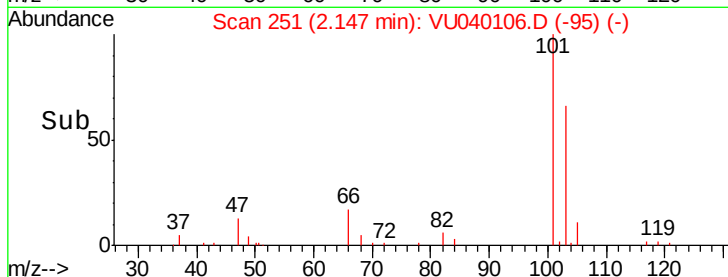
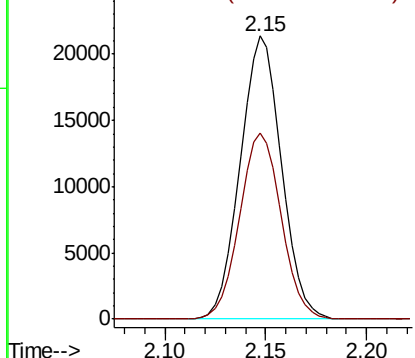
Trichlorofluoromethane
 Concen: 1.711 ug/l
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Tot Ion:101 Resp: 30604
 Ion Ratio Lower Upper
 101 100
 103 65.9 50.8 76.2



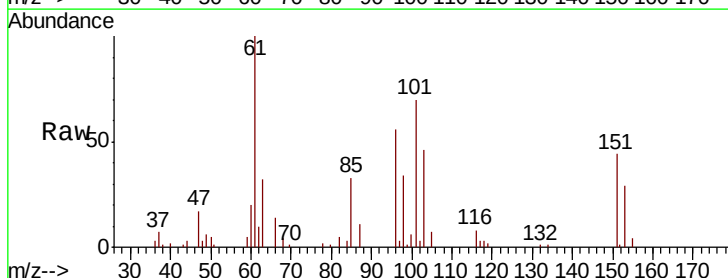
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



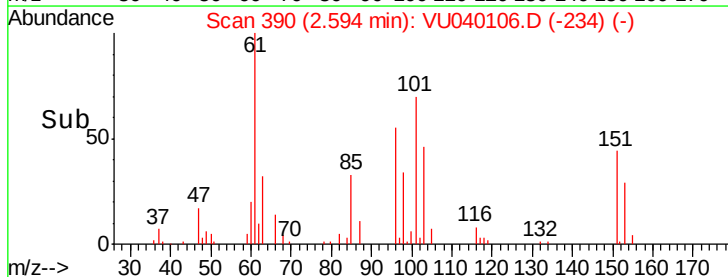
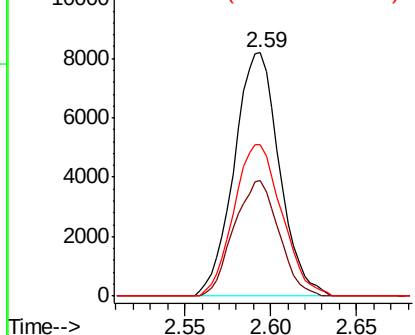
#8

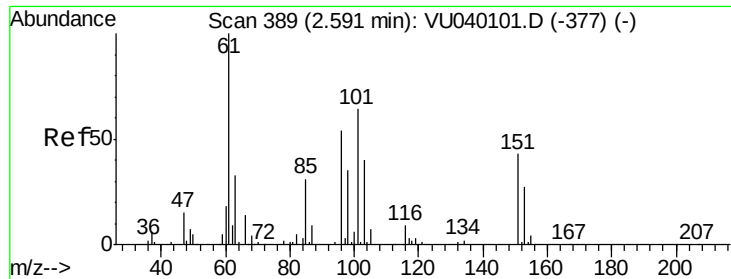
1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.871 ug/l
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

Tgt Ion:101 Resp: 14952
 Ion Ratio Lower Upper
 101 100
 85 46.9 38.5 57.7
 151 66.1 54.6 81.8



Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 1.851 ug/l

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

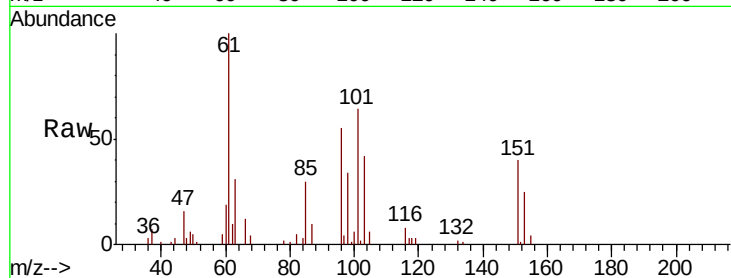
Tot Ion: 96 Resp: 11325

Ion Ratio Lower Upper

96 100

61 183.4 0.0 557.1

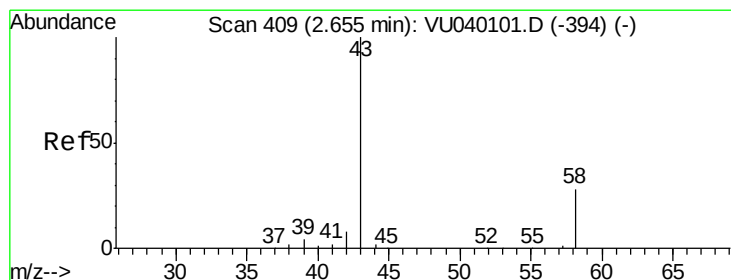
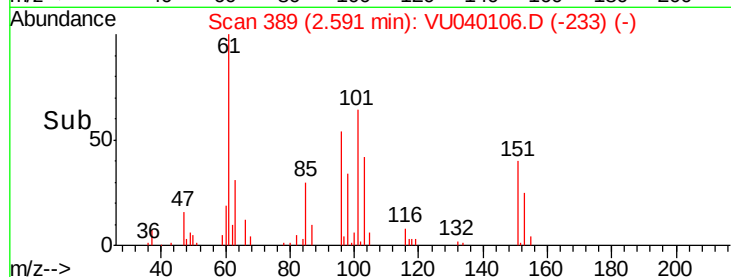
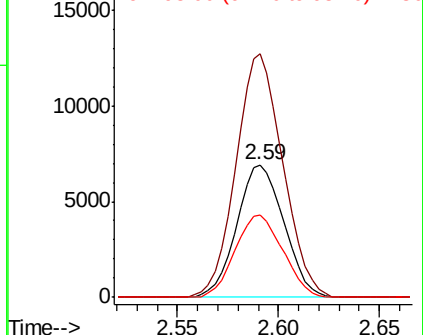
98 61.9 0.0 125.6



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



#13

Acetone

Concen: 9.429 ug/l

RT: 2.68 min Scan# 416

Delta R.T. 0.02 min

Lab File: VU040106.D

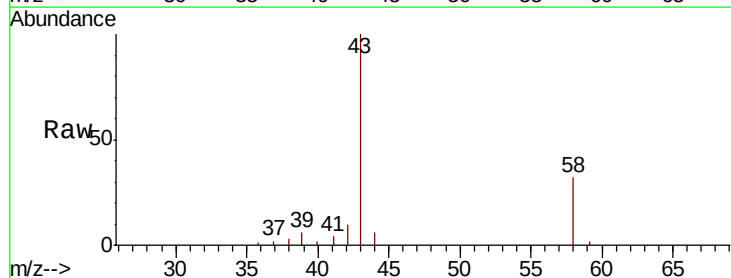
Acq: 11 Sep 2020 16:36

Tgt Ion: 43 Resp: 43713

Ion Ratio Lower Upper

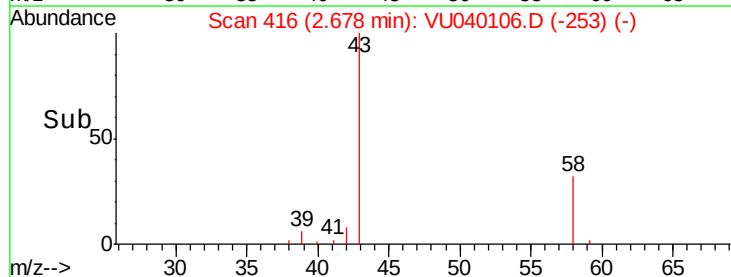
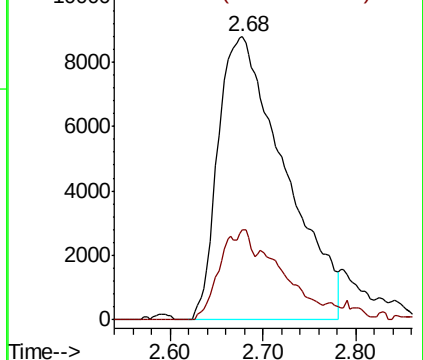
43 100

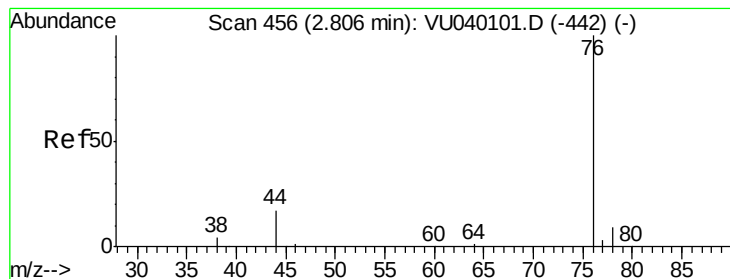
58 31.9 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon Disulfide

Concen: 1.679 ug/l

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

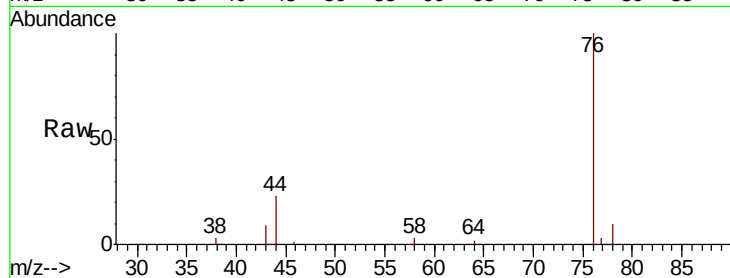
VU0911WBS01

Tot Ion: 76 Resp: 17968

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU040106.D (-300) (-)

Ion 78.00 (77.70 to 78.70): VU040106.D (-300) (-)

2.81

12000

10000

8000

6000

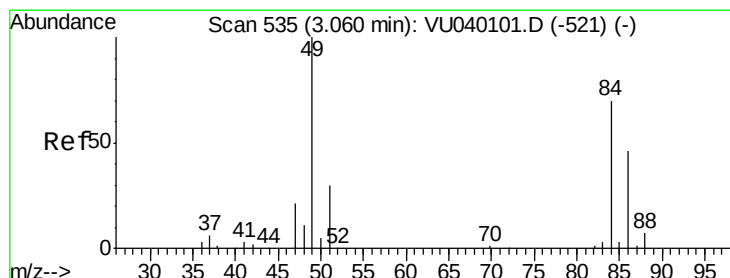
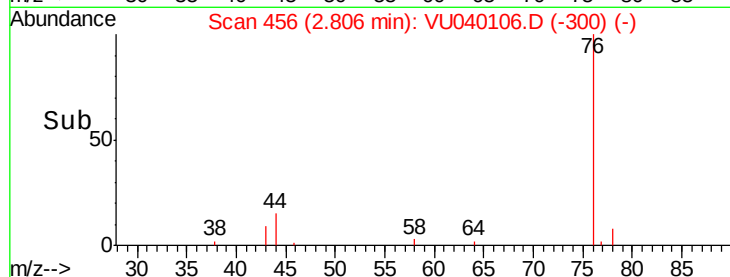
4000

2000

0

Time-->

2.75 2.80 2.85



#15

Methylene Chloride

Concen: 1.790 ug/l

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

Tgt Ion: 84 Resp: 18399

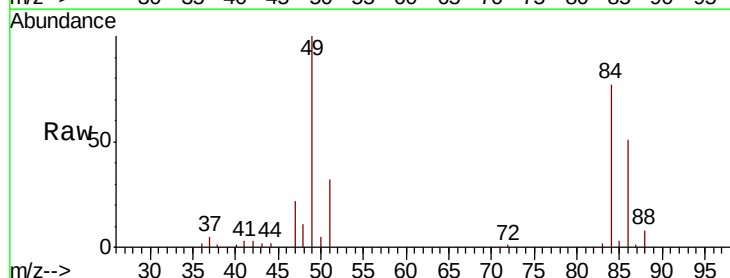
Ion Ratio Lower Upper

84 100

49 129.3 114.3 171.5

51 40.9 0.0 84.6

86 66.1 50.6 76.0



Abundance Ion 84.00 (83.70 to 84.70): VU040106.D (-379) (-)

Ion 49.00 (48.70 to 49.70): VU040106.D (-379) (-)

Ion 51.00 (50.70 to 51.70): VU040106.D (-379) (-)

Ion 86.00 (85.70 to 86.70): VU040106.D (-379) (-)

20000

15000

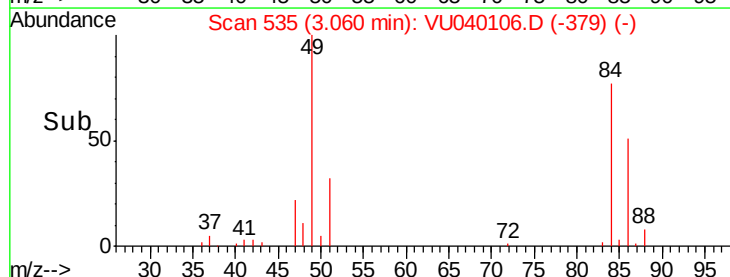
10000

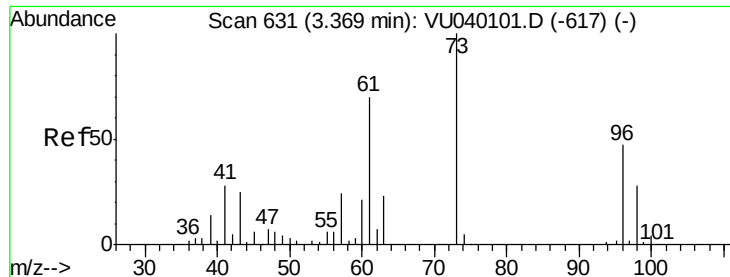
5000

0

Time-->

3.00 3.05 3.10 3.15

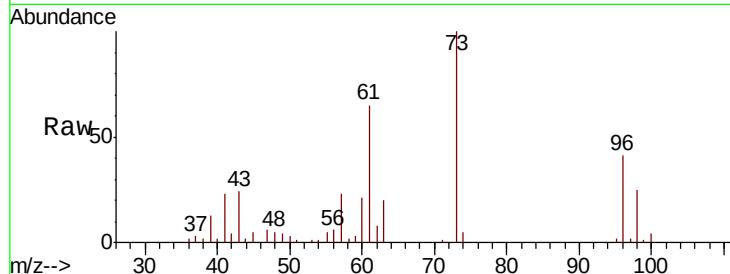




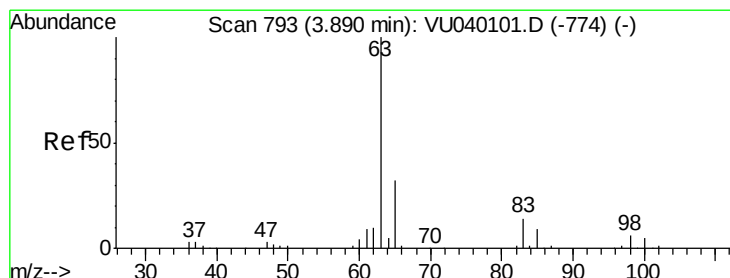
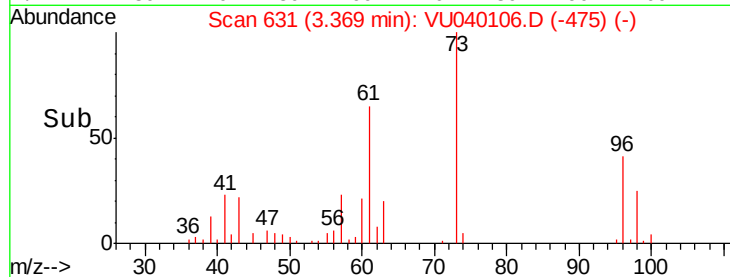
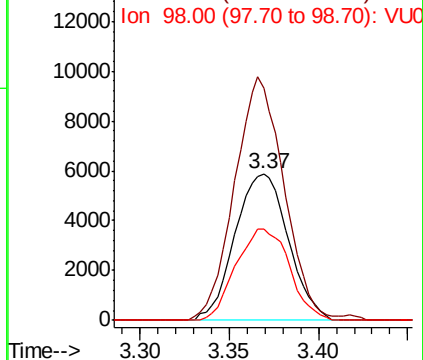
#16
 trans-1,2-Dichloroethene
 Concen: 1.859 ug/l
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Tot Ion: 96 Resp: 12226
 Ion Ratio Lower Upper
 96 100
 61 158.3 121.4 182.0
 98 62.2 51.9 77.9

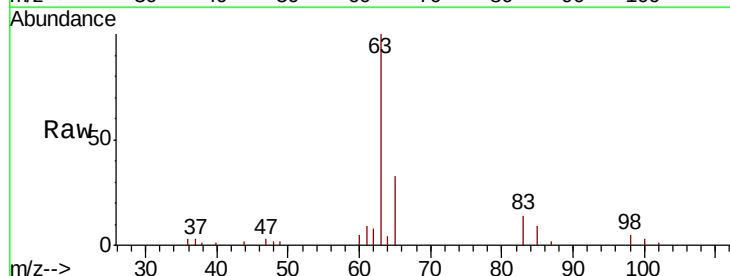


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

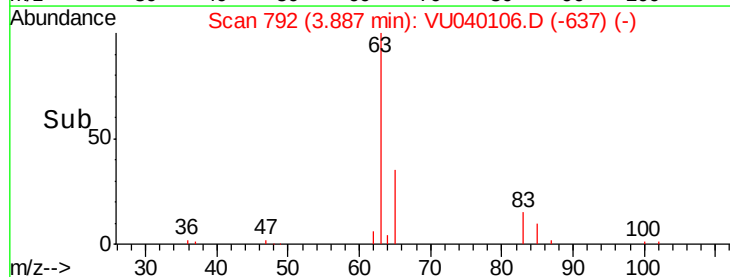
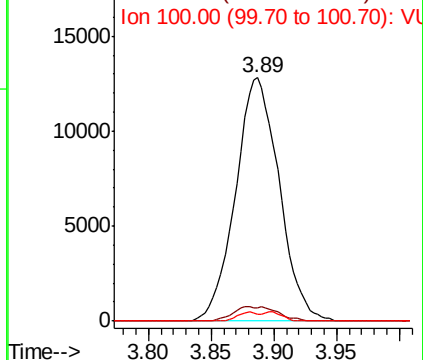


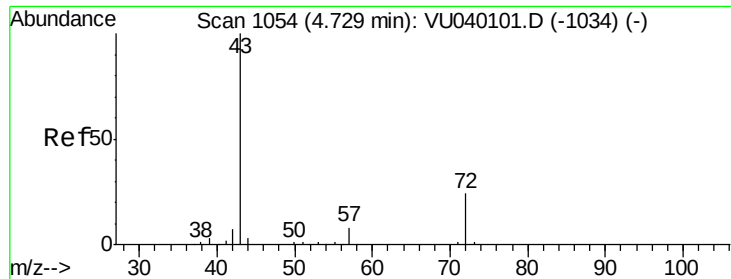
#17
 1,1-Dichloroethane
 Concen: 1.916 ug/l
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

Tgt Ion: 63 Resp: 30946
 Ion Ratio Lower Upper
 63 100
 98 5.5 3.1 9.4
 100 2.9 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

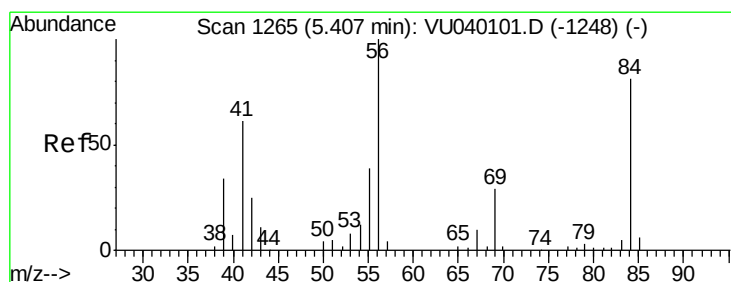
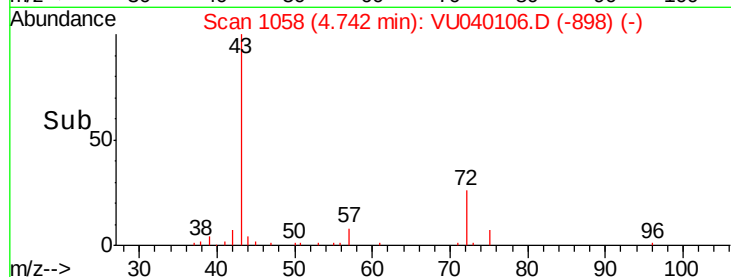
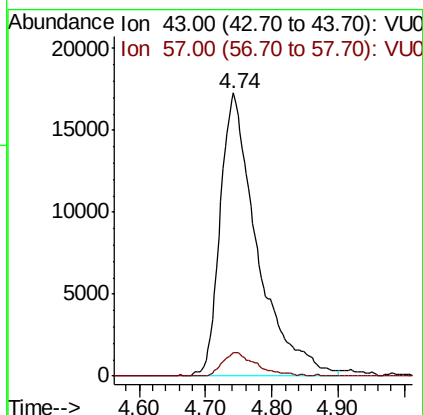
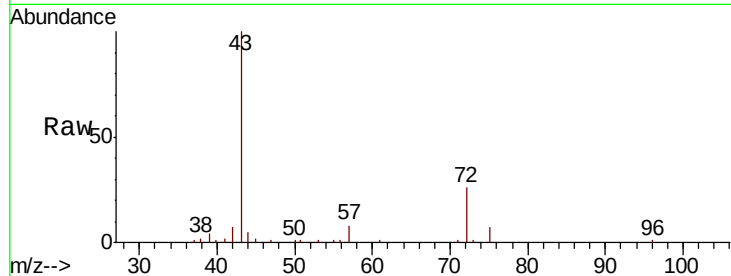




#18
2-Butanone
Concen: 9.594 ug/l
RT: 4.74 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

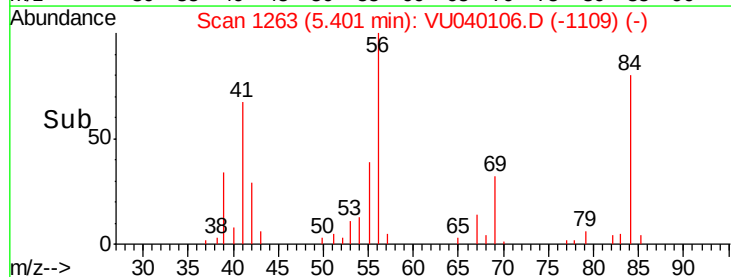
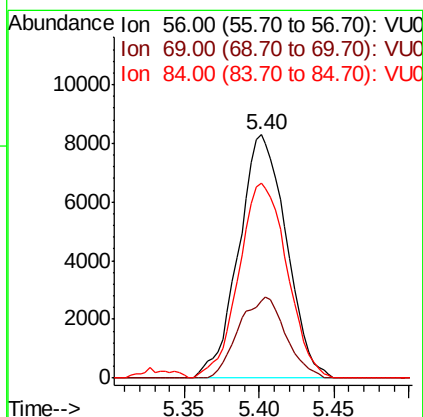
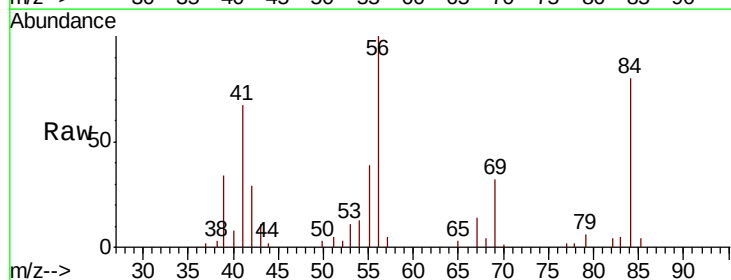
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

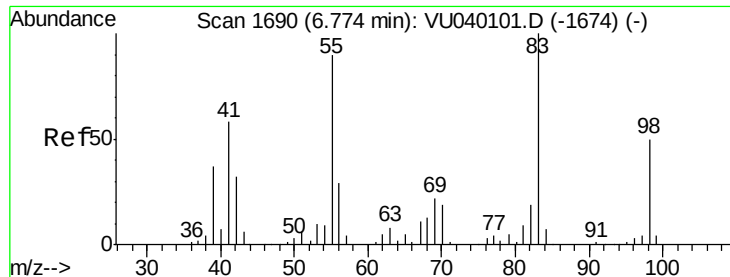
Tot Ion: 43 Resp: 67178
Ion Ratio Lower Upper
43 100
57 8.4 0.0 15.2



#19
Cyclohexane
Concen: 1.828 ug/l
RT: 5.40 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

Tgt Ion: 56 Resp: 18325
Ion Ratio Lower Upper
56 100
69 33.0 23.5 35.3
84 81.3 63.8 95.6

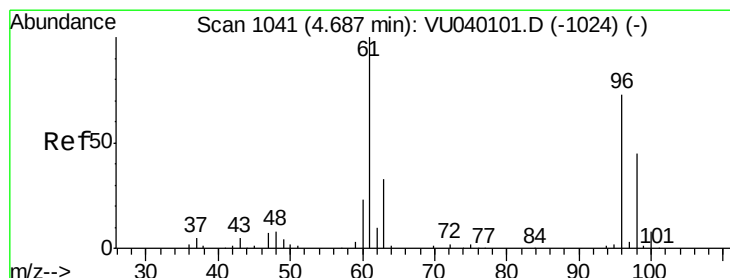
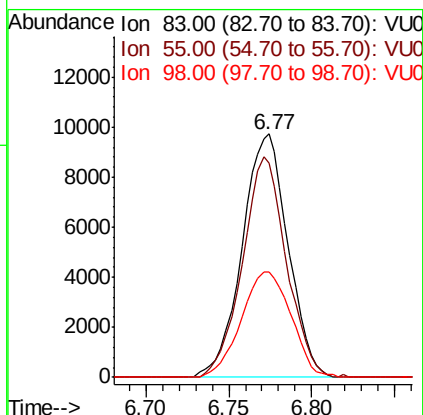
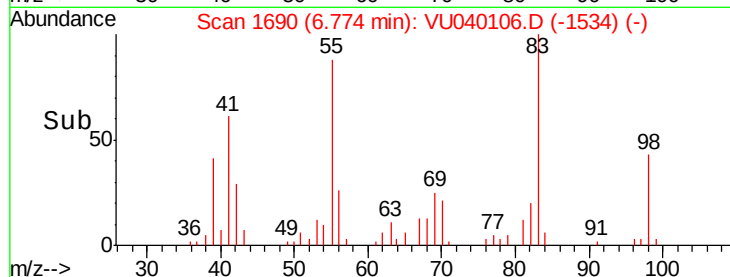
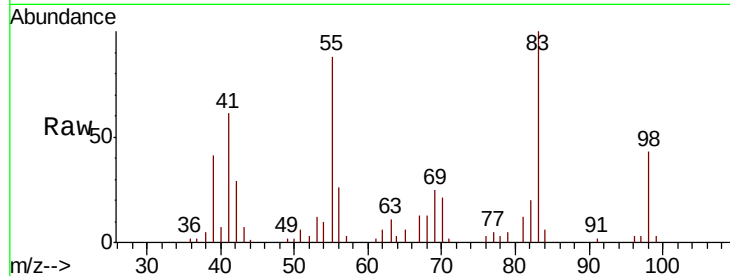




#20
Methvlcvclohexane
Concen: 1.837 ug/l
RT: 6.77 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

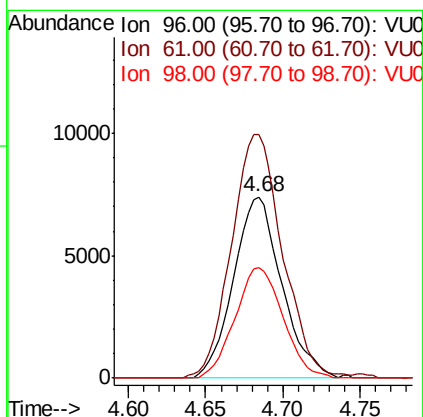
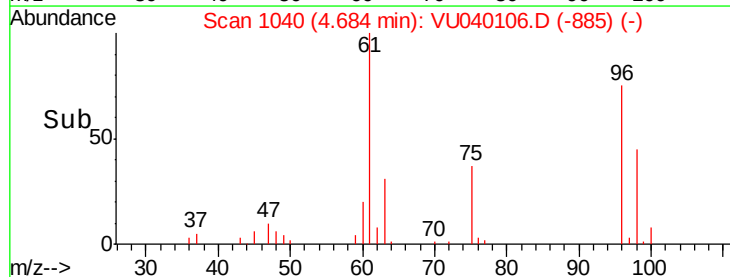
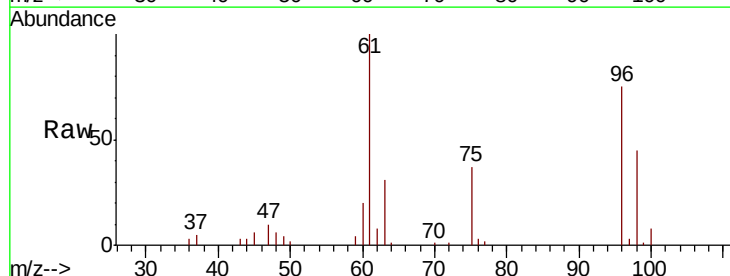
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

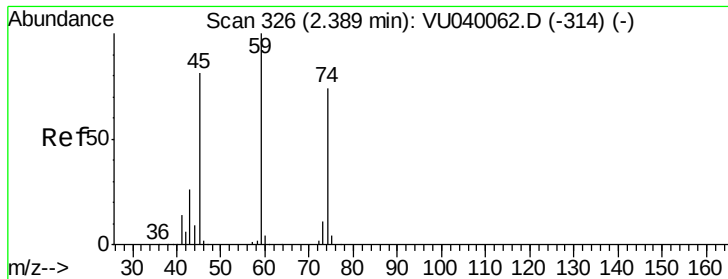
Tot Ion: 83 Resp: 18662
Ion Ratio Lower Upper
83 100
55 86.7 69.4 104.2
98 47.0 37.5 56.3



#22
cis-1,2-Dichloroethene
Concen: 1.939 ug/l
RT: 4.68 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

Tgt Ion: 96 Resp: 16072
Ion Ratio Lower Upper
96 100
61 141.4 0.0 420.0
98 60.4 31.8 95.3

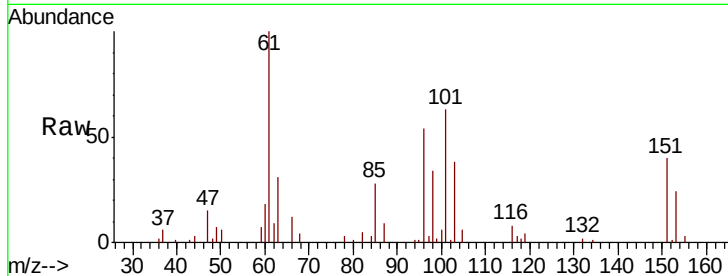




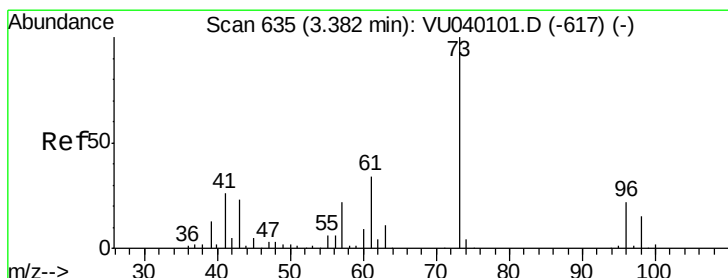
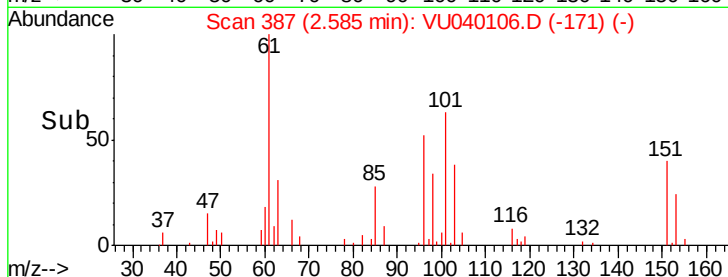
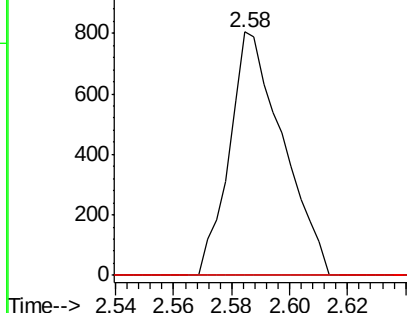
#23
Diethyl Ether
Concen: 2.600 ug/l
RT: 2.58 min Scan# 387
Delta R.T. 0.20 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tot Ion: 59 Resp: 1027
Ion Ratio Lower Upper
59 100
45 0.0 62.4 93.6#
74 0.0 57.7 86.5#

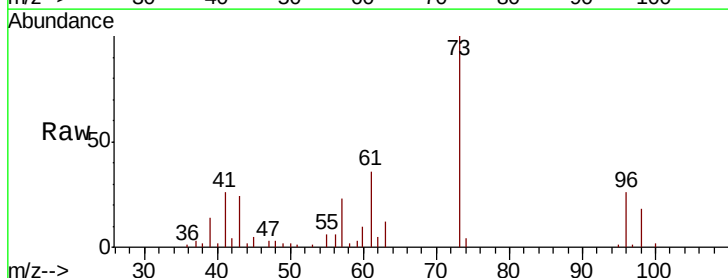


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

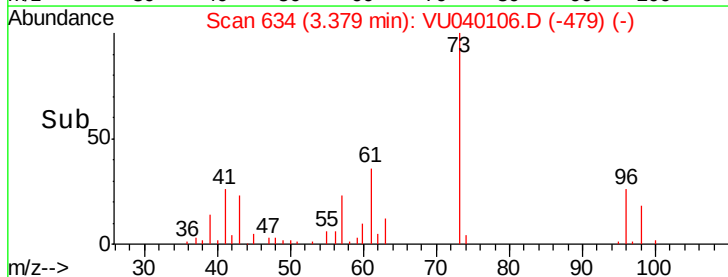
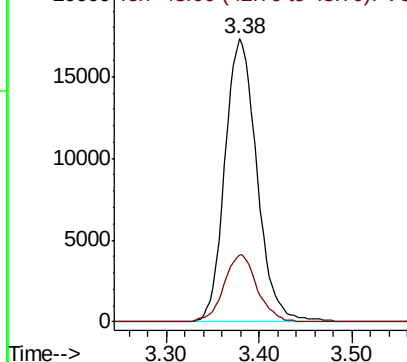


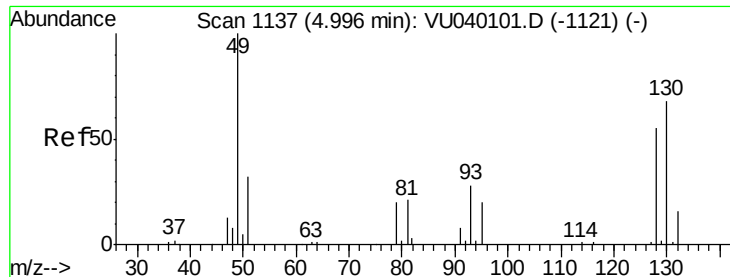
#25
Methyl tert-Butyl Ether
Concen: 1.875 ug/l
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

Tgt Ion: 73 Resp: 41557
Ion Ratio Lower Upper
73 100
43 24.5 20.0 30.0



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0

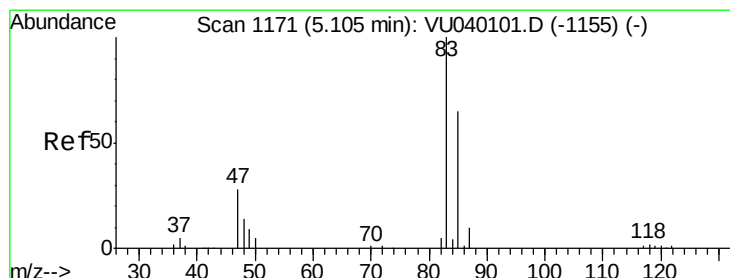
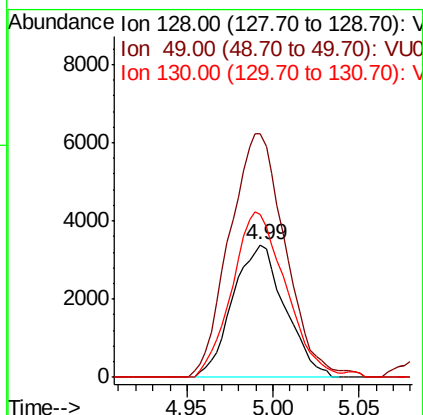
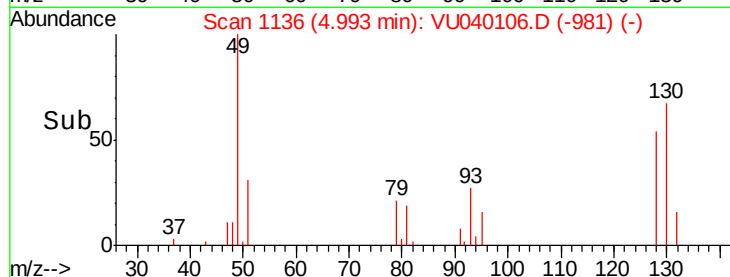
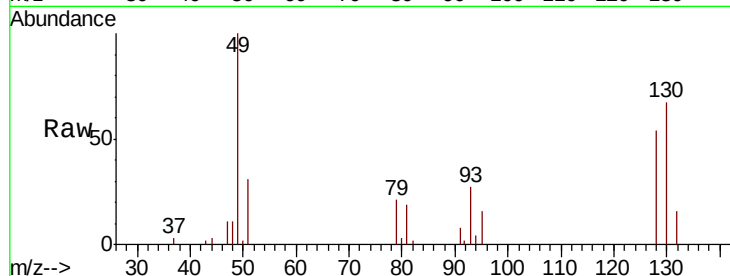




#26
Bromochloromethane
Concen: 1.769 ug/l
RT: 4.99 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

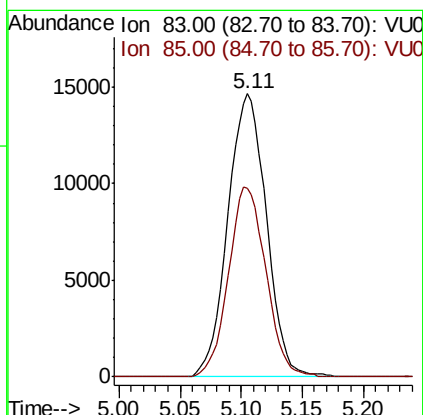
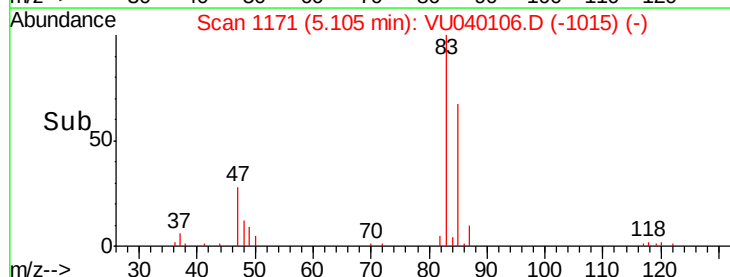
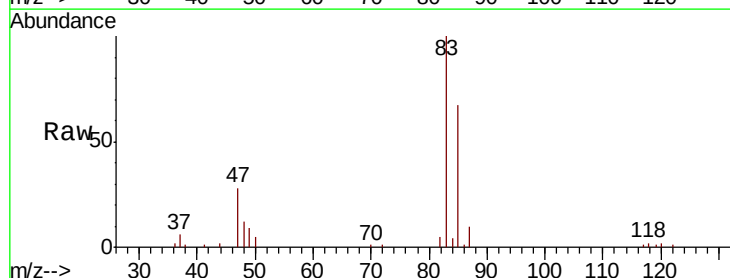
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

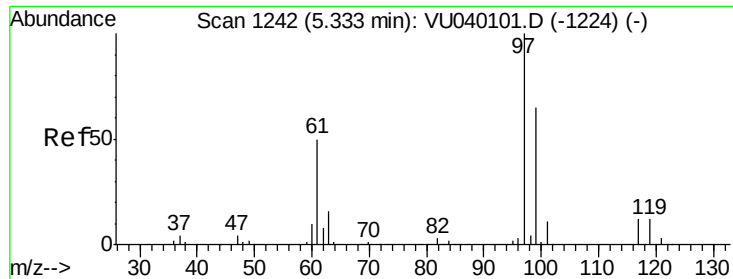
Tot Ion:128 Resp: 7127
Ion Ratio Lower Upper
128 100
49 197.3 0.0 390.6
130 128.8 104.9 157.3



#27
Chloroform
Concen: 1.820 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

Tgt Ion: 83 Resp: 32154
Ion Ratio Lower Upper
83 100
85 66.5 0.0 132.4

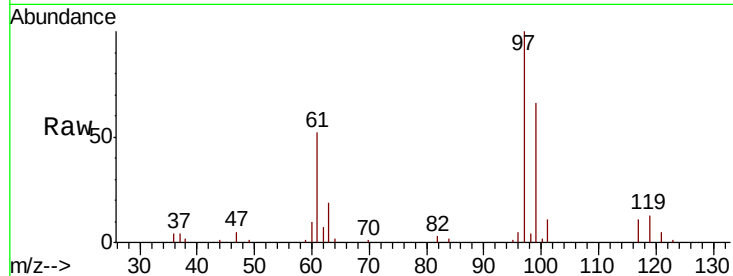




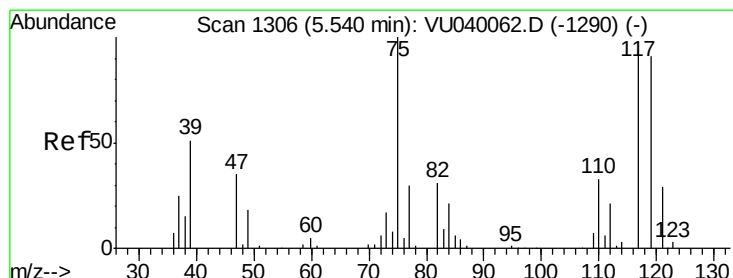
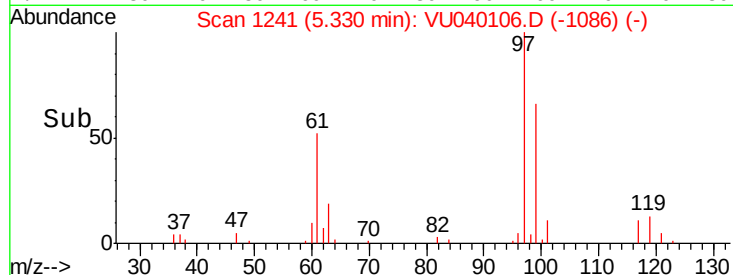
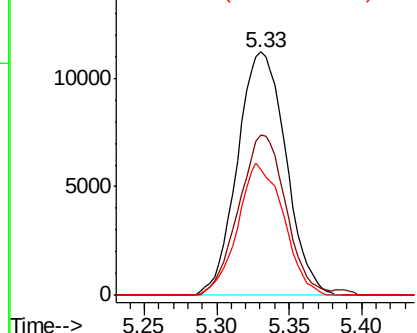
#28
 1,1,1-Trichloroethane
 Concen: 1.755 ug/l
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Tot Ion: 97 Resp: 26046
 Ion Ratio Lower Upper
 97 100
 99 64.1 31.8 95.4
 61 51.2 25.1 75.2

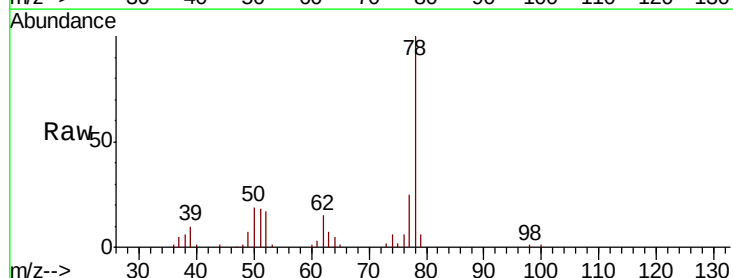


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0

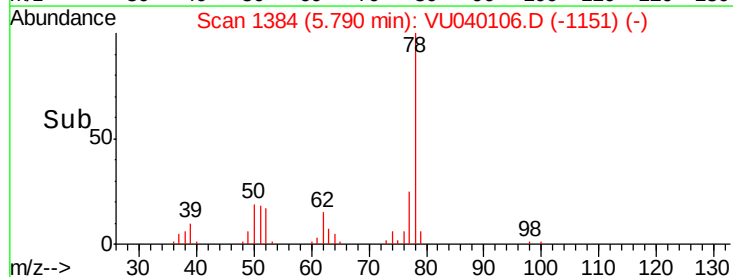
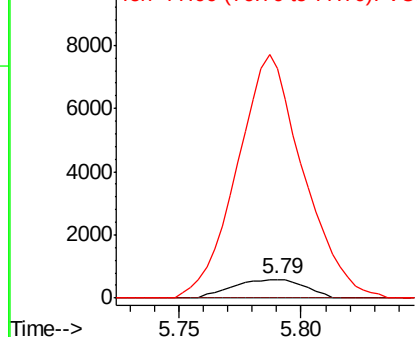


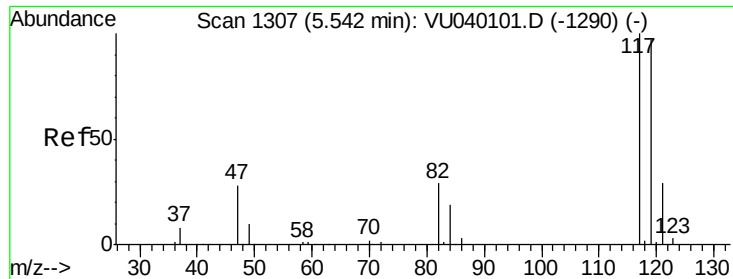
#29
 1,1-Dichloropropene
 Concen: 1.954 ug/l
 RT: 5.79 min Scan# 1384
 Delta R.T. 0.25 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

Tgt Ion: 75 Resp: 1203
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.2 48.6#
 77 1205.8 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VU0

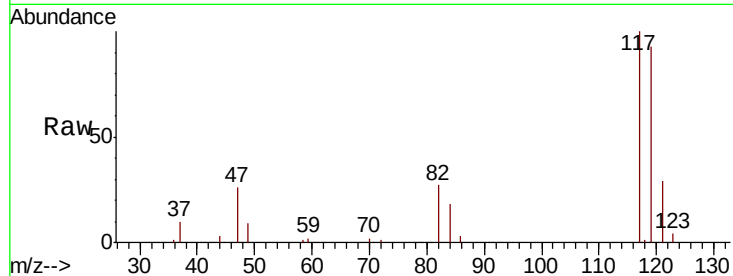




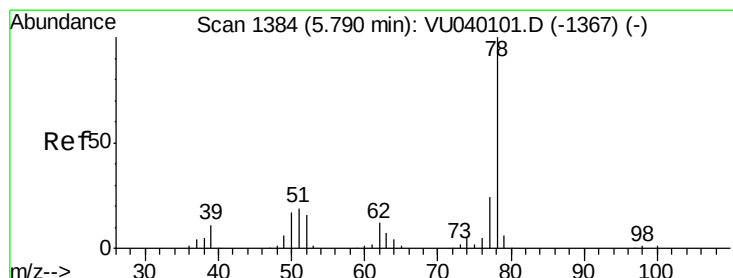
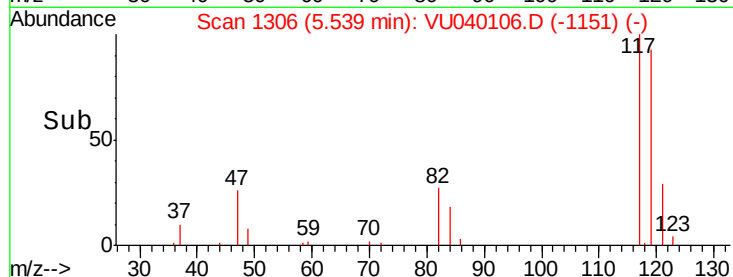
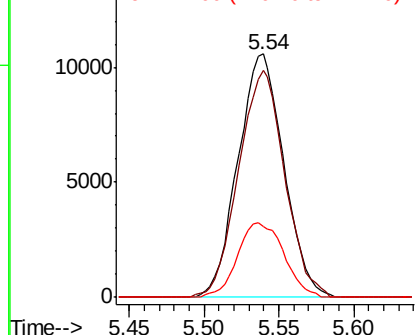
#30
Carbon Tetrachloride
Concen: 1.847 ug/l
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tot Ion:117 Resp: 22519
Ion Ratio Lower Upper
117 100
119 93.0 77.0 115.4
121 29.1 24.2 36.4

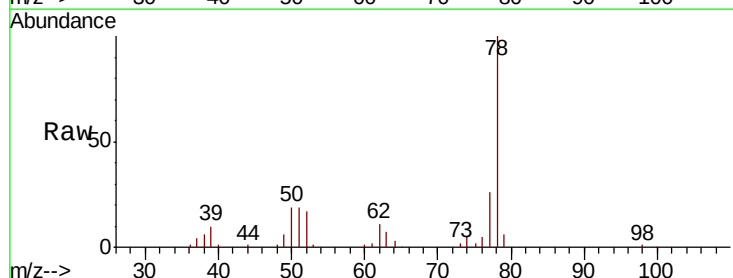


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

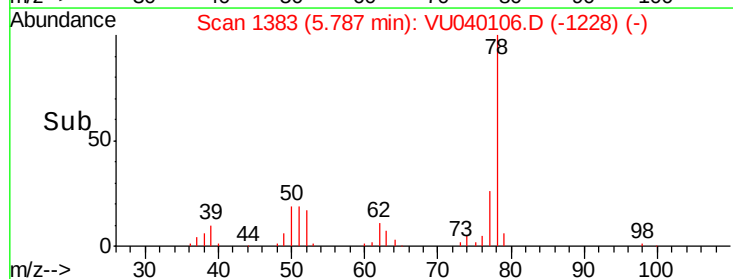
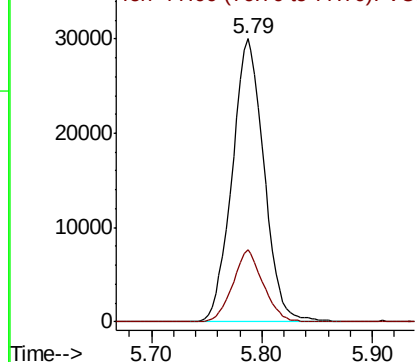


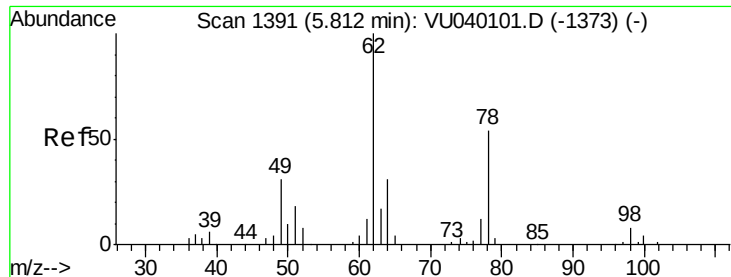
#35
Benzene
Concen: 1.897 ug/l
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

Tgt Ion: 78 Resp: 60096
Ion Ratio Lower Upper
78 100
77 25.7 19.1 28.7



Abundance Ion 78.10 (77.80 to 78.80): VU0
Ion 77.00 (76.70 to 77.70): VU0

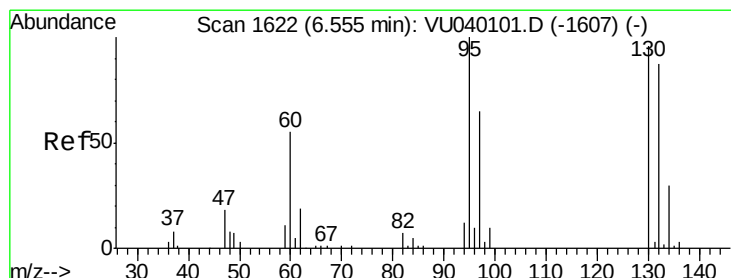
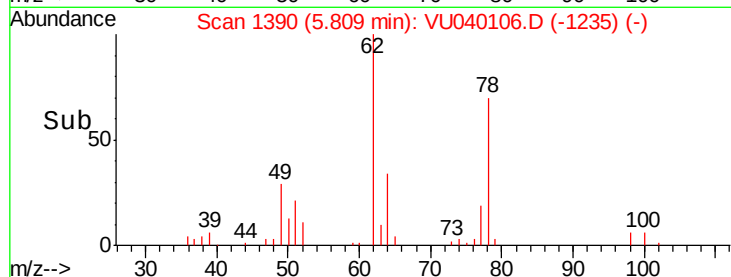
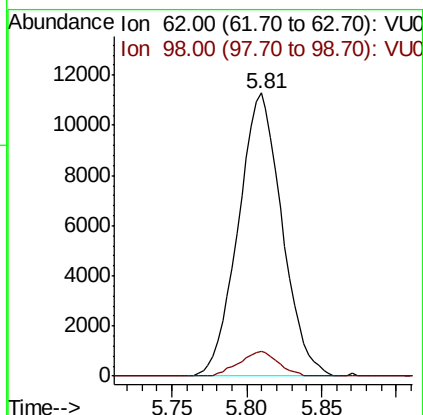
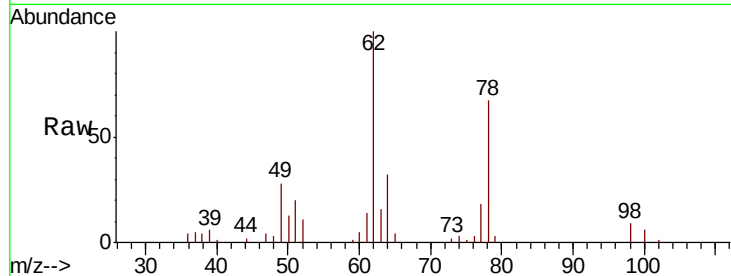




#36
 1,2-Dichloroethane
 Concen: 1.800 ug/l
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

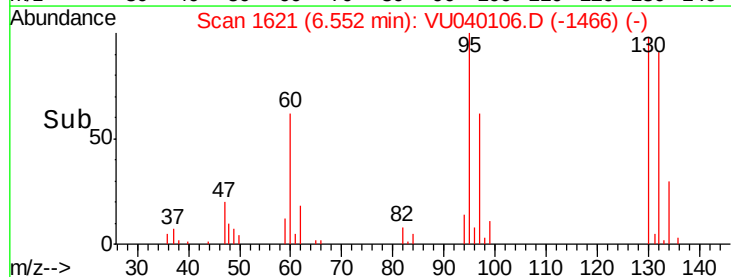
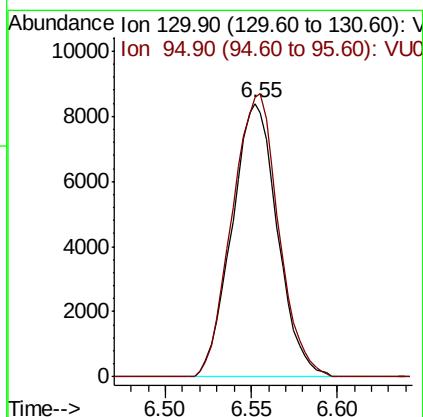
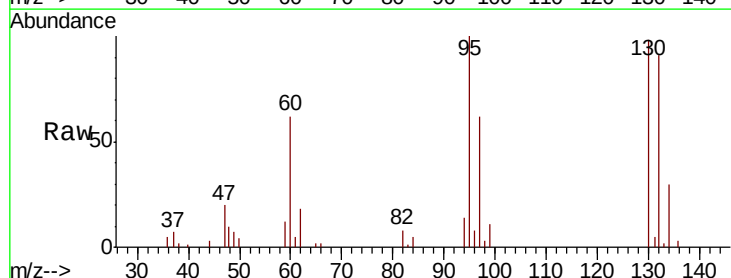
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

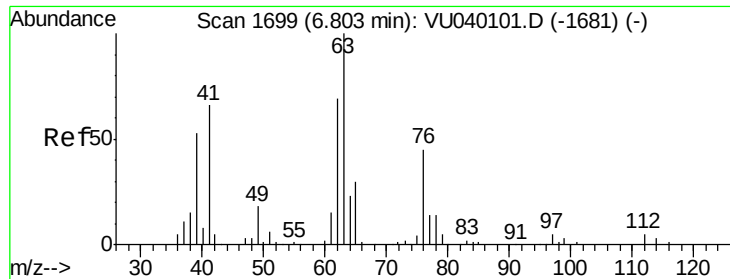
Tot Ion: 62 Resp: 22924
 Ion Ratio Lower Upper
 62 100
 98 7.8 6.5 9.7



#37
 Trichloroethene
 Concen: 1.895 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

Tgt Ion:130 Resp: 15425
 Ion Ratio Lower Upper
 130 100
 95 102.4 84.2 126.2

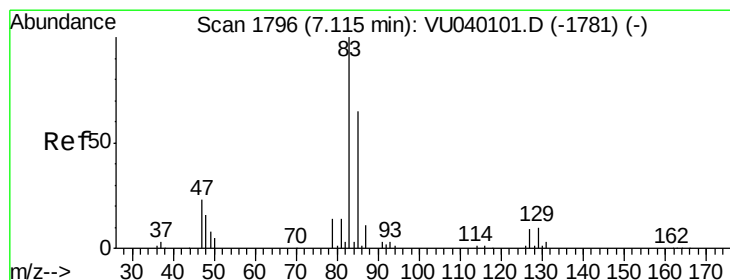
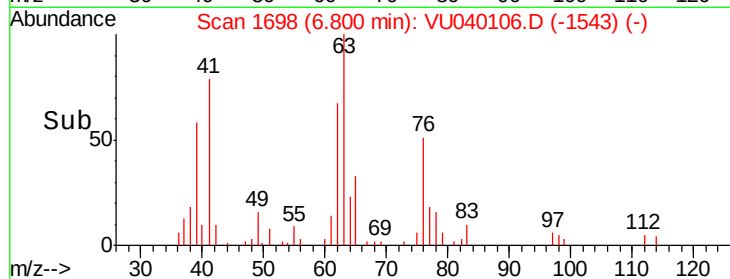
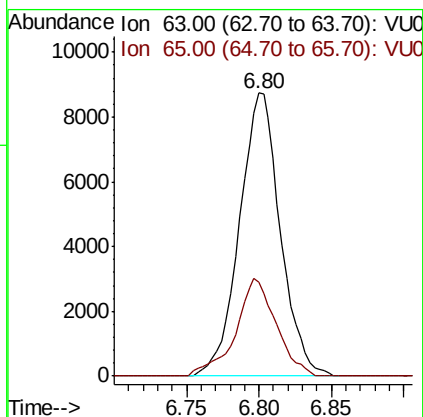
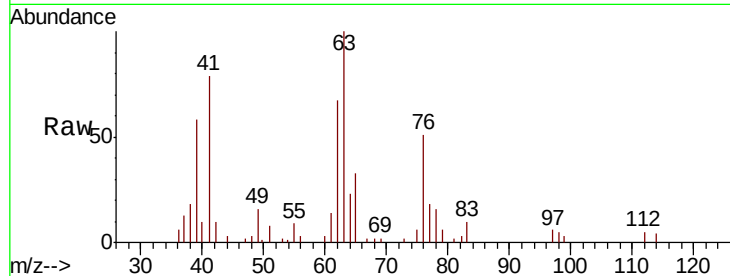




#38
 1,2-Dichloropropane
 Concen: 1.743 ug/l
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

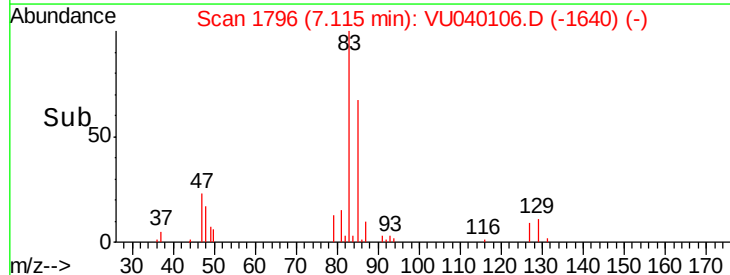
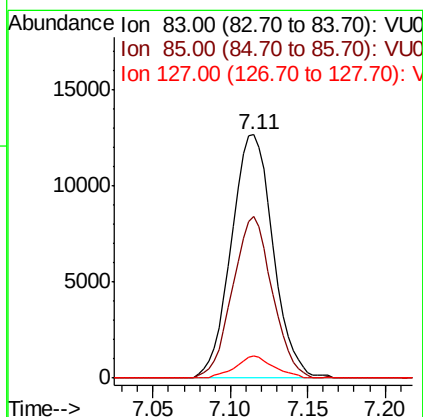
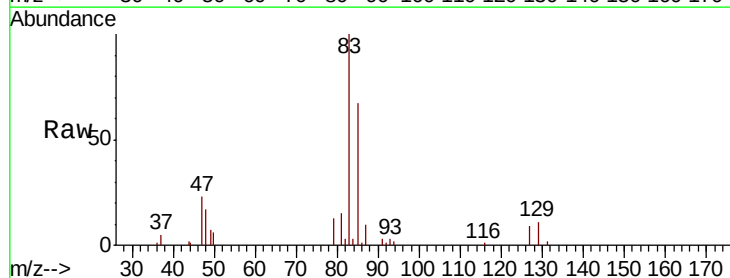
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

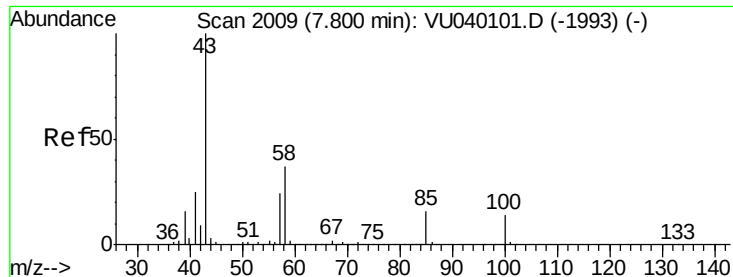
Tot Ion: 63 Resp: 17095
 Ion Ratio Lower Upper
 63 100
 65 33.2 23.0 34.6



#44
 Bromodichloromethane
 Concen: 1.771 ug/l
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

Tgt Ion: 83 Resp: 23740
 Ion Ratio Lower Upper
 83 100
 85 66.6 52.1 78.1
 127 9.0 6.6 9.8

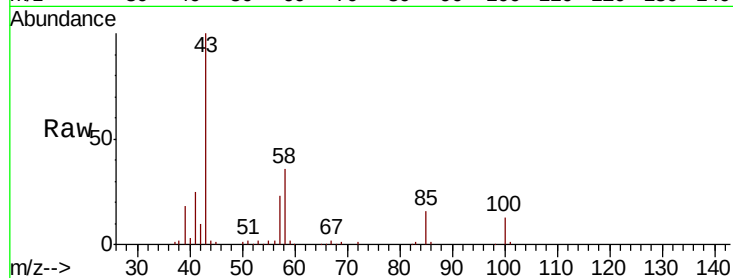




#45
4-Methyl-2-Pentanone
Concen: 9.010 ug/l
RT: 7.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.0	18.1	54.3
85	15.9	12.3	18.5

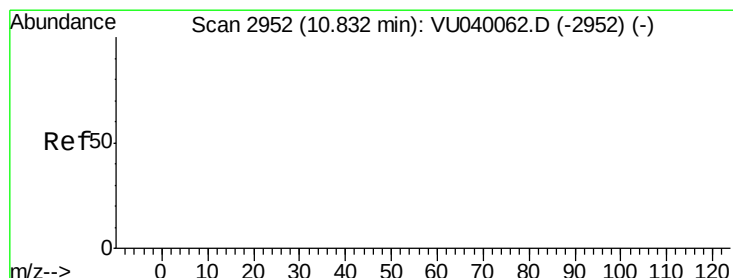
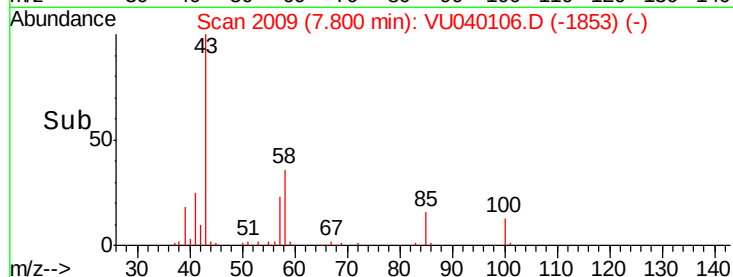
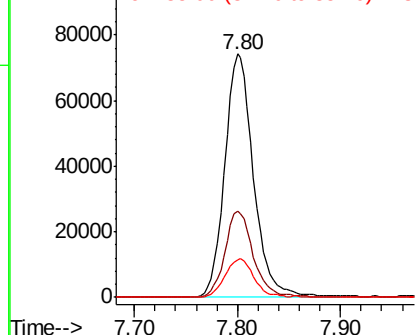


Abundance

Ion 43.00 (42.70 to 43.70): VU0

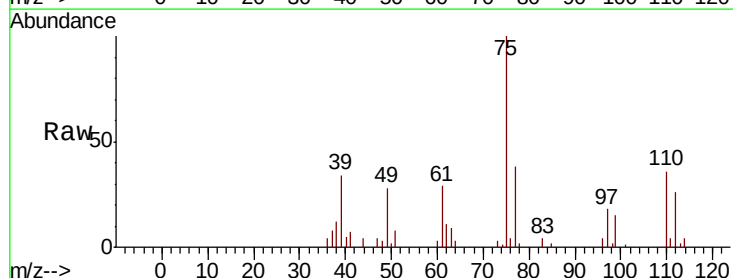
Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
t-1,4-Dichloro-2-butene
Concen: 3.669 ug/l
RT: 10.82 min Scan# 2949
Delta R.T. -0.01 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.0	112.6#
89	0.0	41.6	62.4#
88	0.0	36.6	54.8#



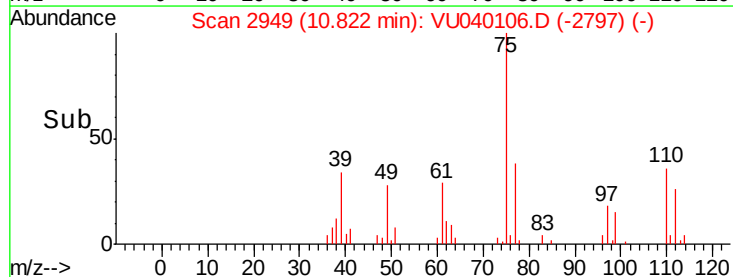
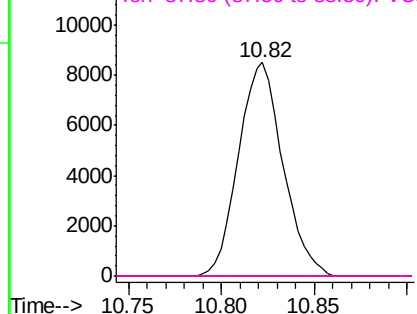
Abundance

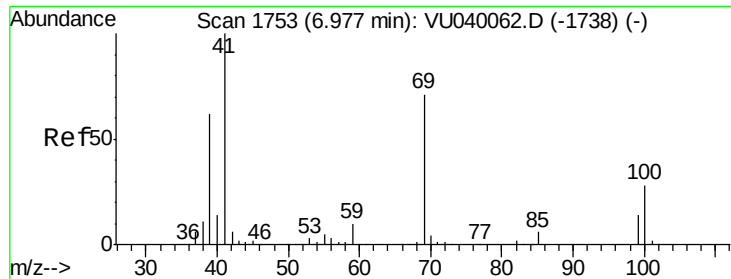
Ion 74.90 (74.60 to 75.60): VU0

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

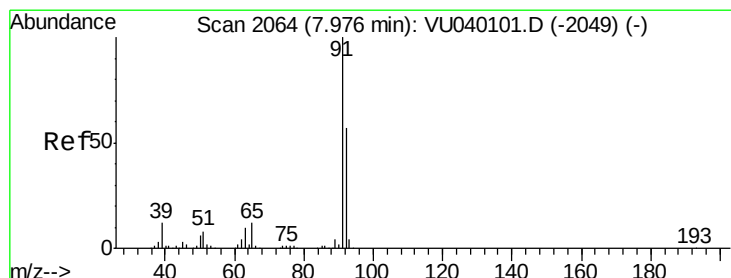
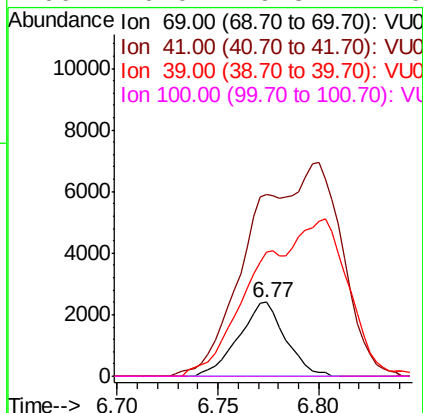
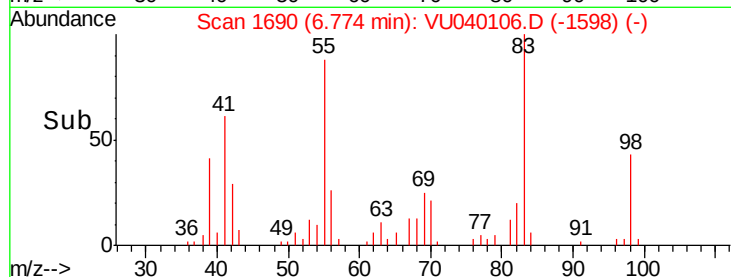
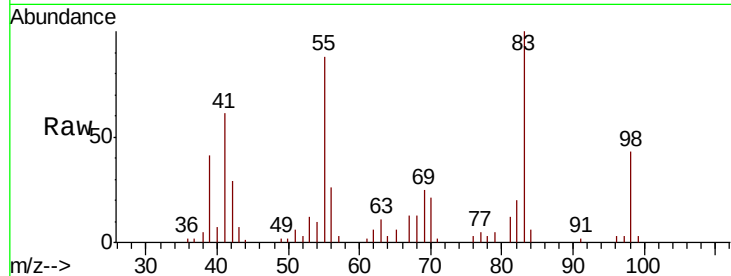




#47
Methvl methacrylate
Concen: 3.562 ug/l
RT: 6.77 min Scan# 1690
Delta R.T. -0.20 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

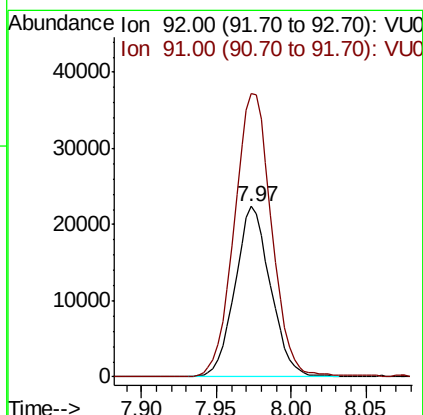
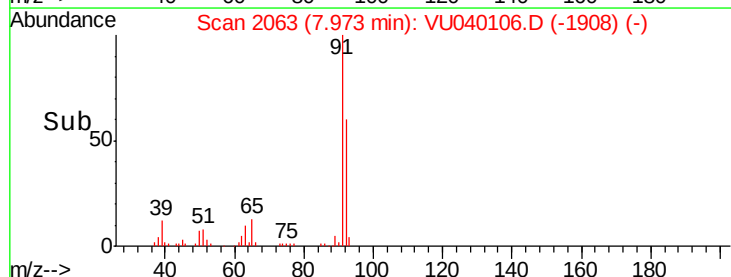
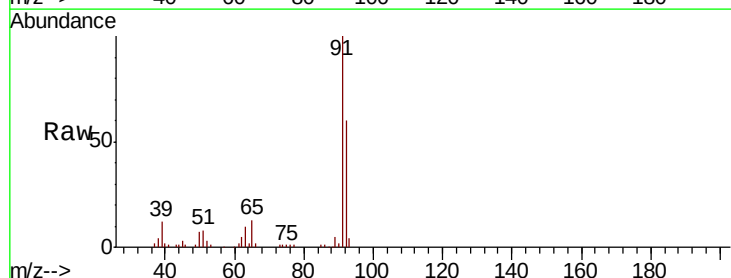
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

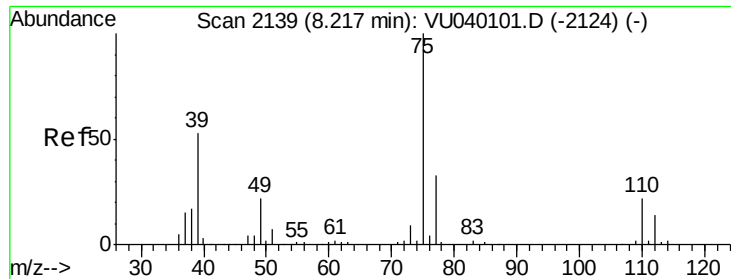
Tot Ion: 69 Resp: 3919
Ion Ratio Lower Upper
69 100
41 226.1 0.0 273.0
39 172.0 67.8 101.6#
100 0.0 29.8 44.6#



#49
Toluene
Concen: 1.839 ug/l
RT: 7.97 min Scan# 2063
Delta R.T. -0.00 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

Tgt Ion: 92 Resp: 36957
Ion Ratio Lower Upper
92 100
91 174.7 138.6 207.8





#50

t-1,3-Dichloropropene

Concen: 1.744 ug/l

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

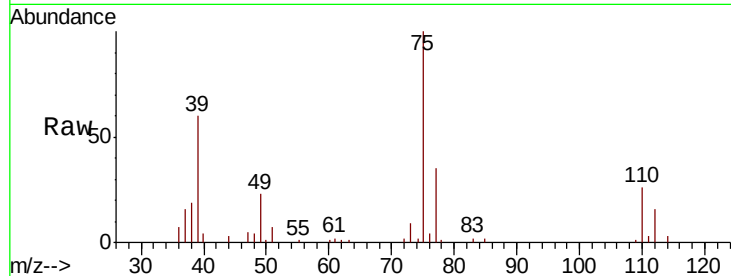
VU0911WBS01

Tot Ion: 75 Resp: 21895

Ion Ratio Lower Upper

75 100

77 34.6 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

8.21

15000

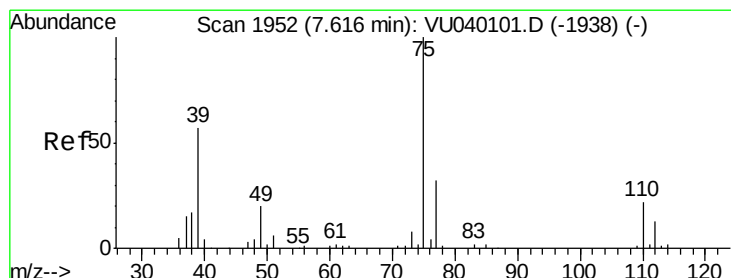
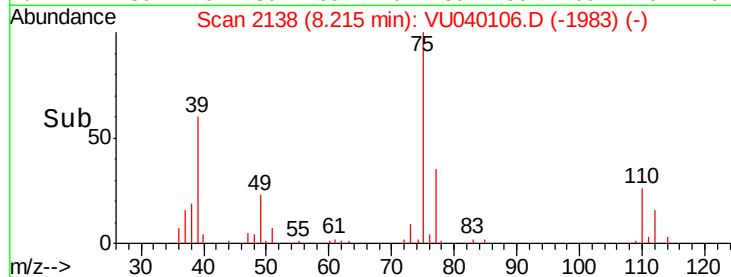
10000

5000

0

Time-->

8.15 8.20 8.25



#51

cis-1,3-Dichloropropene

Concen: 1.791 ug/l

RT: 7.61 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

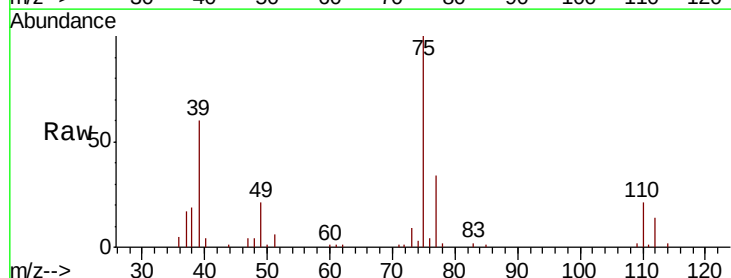
Tgt Ion: 75 Resp: 23134

Ion Ratio Lower Upper

75 100

77 34.1 24.6 37.0

39 59.6 46.2 69.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

15000

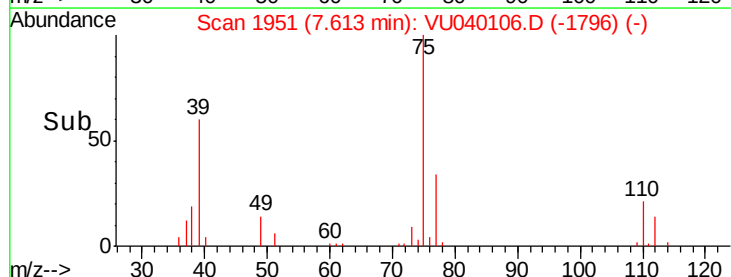
10000

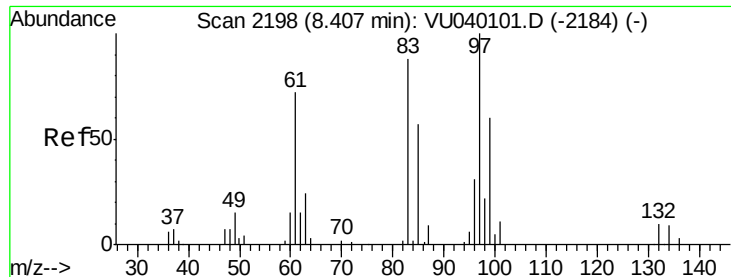
5000

0

Time-->

7.55 7.60 7.65 7.70

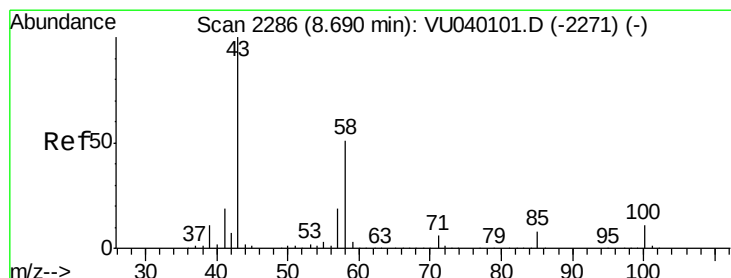
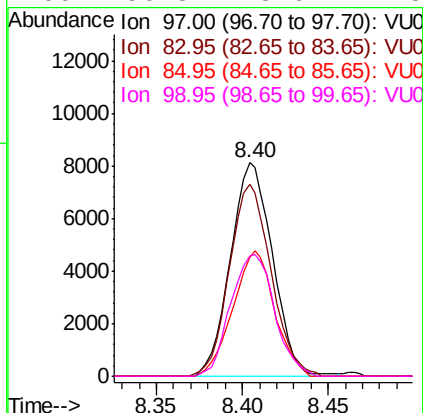
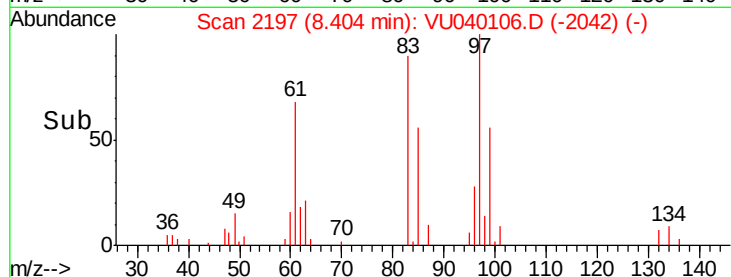
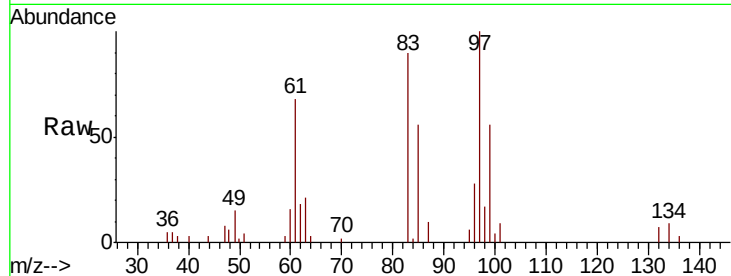




#52
 1,1,2-Trichloroethane
 Concen: 1.775 ug/l
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

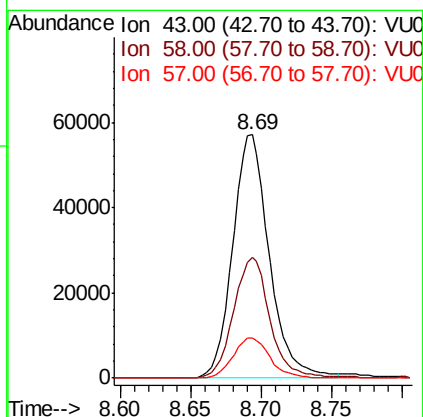
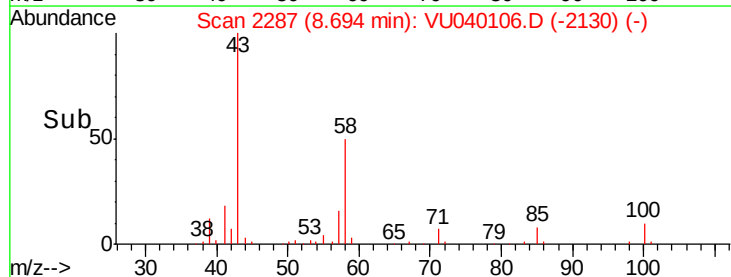
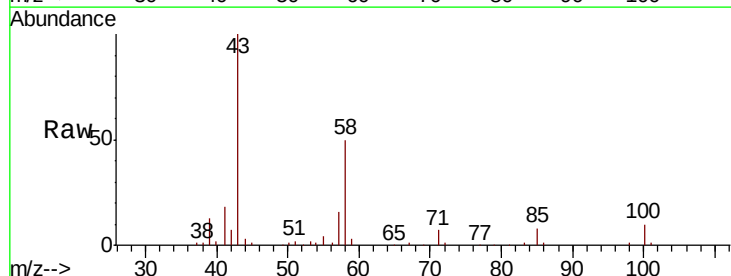
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

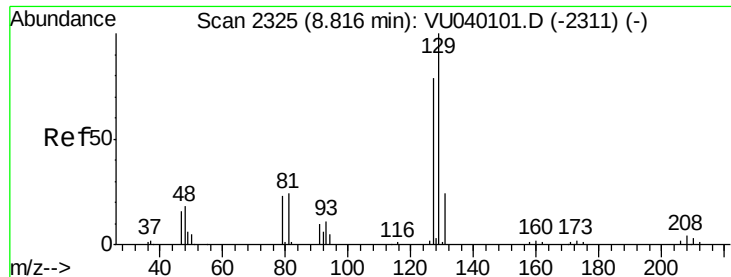
Tot Ion:	97	Resp:	13828
Ion	Ratio	Lower	Upper
97	100		
83	89.9	68.7	103.1
85	55.8	46.7	70.1
99	56.3	48.6	72.8



#54
 2-Hexanone
 Concen: 9.177 ug/l
 RT: 8.69 min Scan# 2287
 Delta R.T. 0.00 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

Tgt Ion:	43	Resp:	103674
Ion	Ratio	Lower	Upper
43	100		
58	49.4	29.6	69.6
57	16.8	0.0	37.8





#55

Dibromochloromethane

Concen: 1.683 ug/l

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

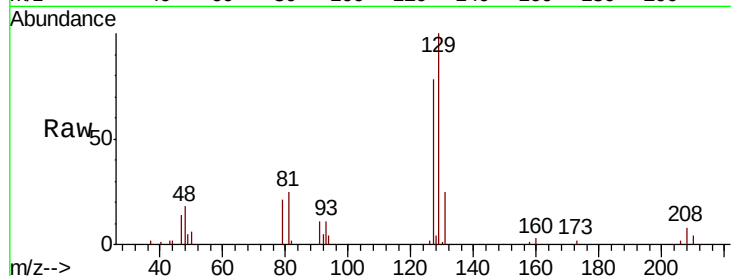
VU0911WBS01

Tot Ion:129 Resp: 15162

Ion Ratio Lower Upper

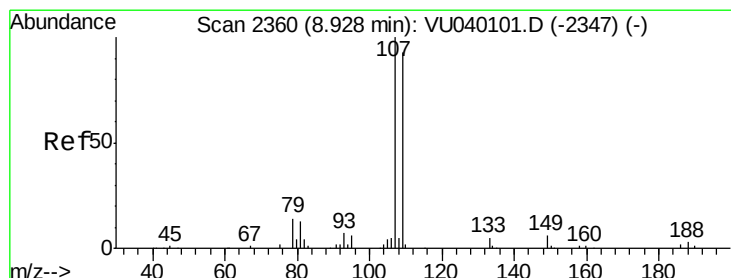
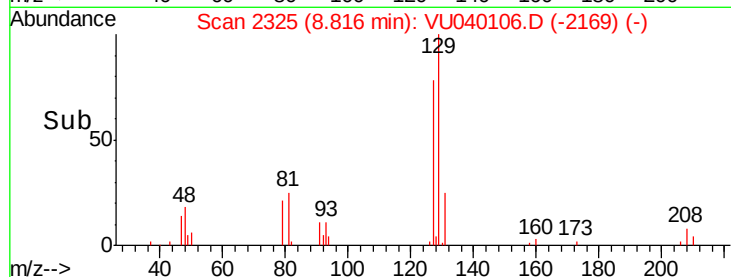
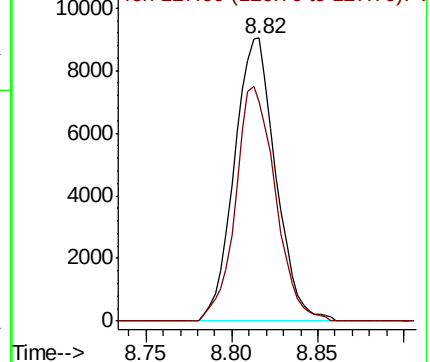
129 100

127 79.8 62.7 94.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.791 ug/l

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU040106.D

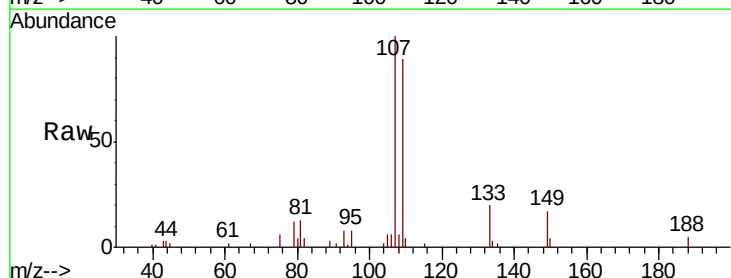
Acq: 11 Sep 2020 16:36

Tgt Ion:107 Resp: 12824

Ion Ratio Lower Upper

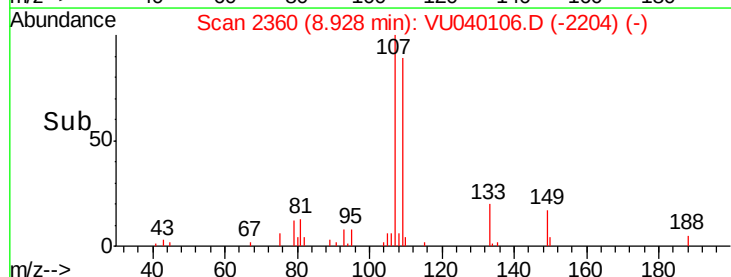
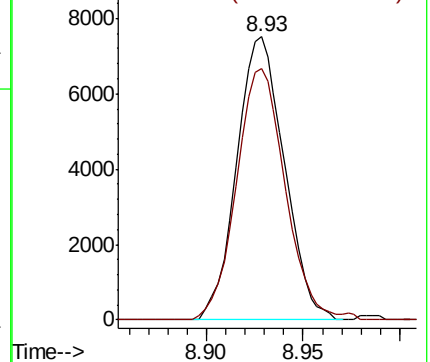
107 100

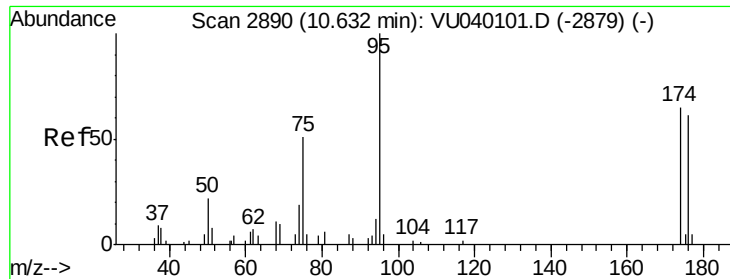
109 91.2 0.0 191.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

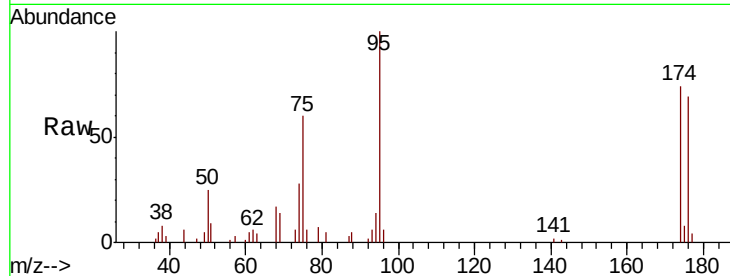




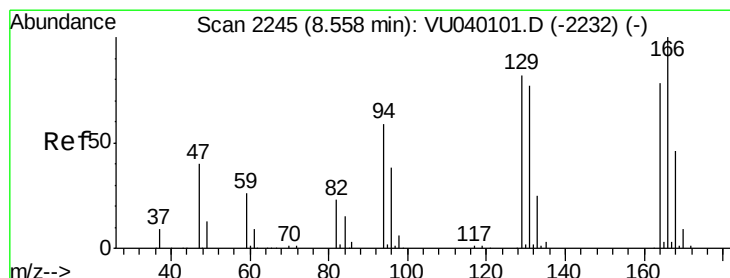
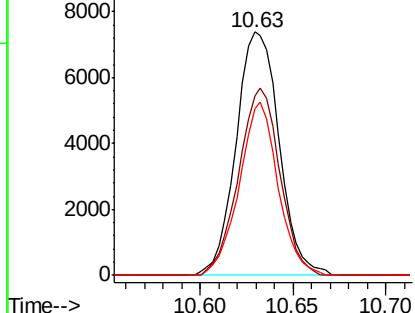
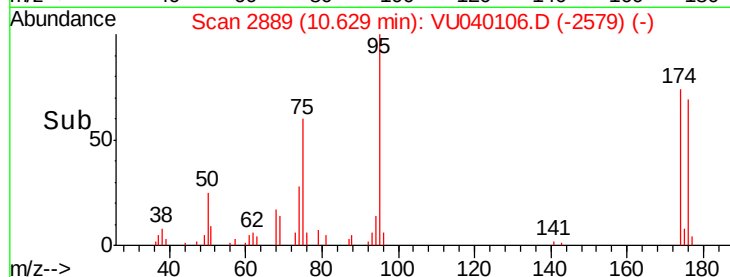
#57
4-Bromofluorobenzene
Concen: 0.903 ug/l
RT: 10.63 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tot Ion: 95 Resp: 11901
Ion Ratio Lower Upper
95 100
174 73.5 49.4 74.0
176 64.1 50.1 75.1

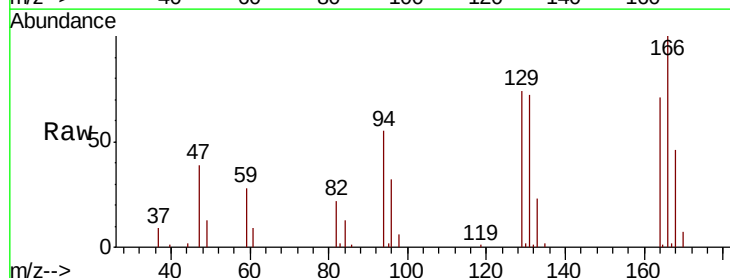


Abundance Ion 95.00 (94.70 to 95.70): VU
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

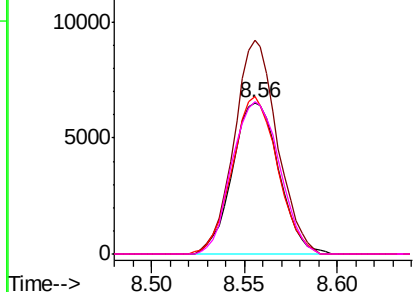
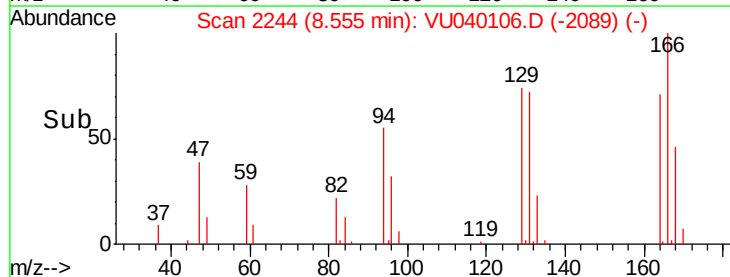


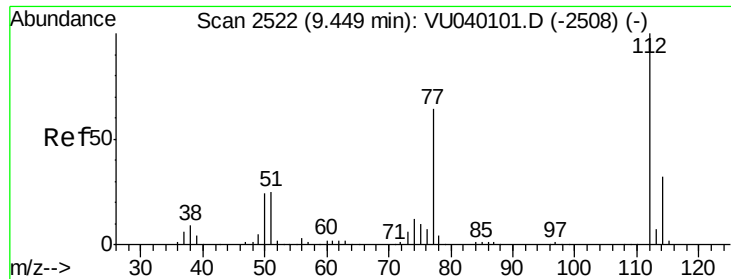
#58
Tetrachloroethene
Concen: 1.870 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

Tgt Ion: 164 Resp: 11316
Ion Ratio Lower Upper
164 100
166 141.1 101.3 151.9
129 104.1 84.8 127.2
131 100.9 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

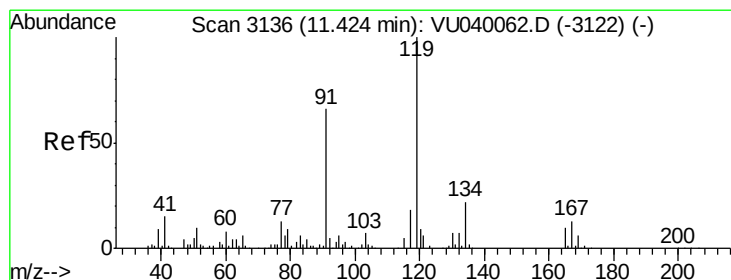
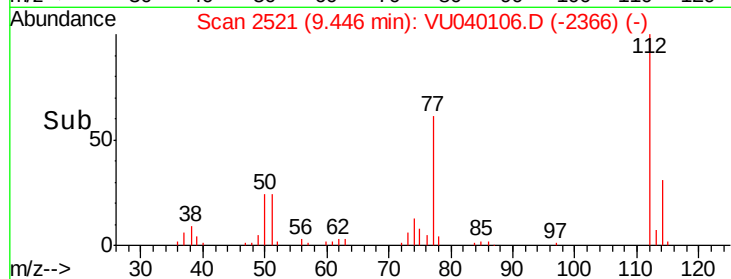
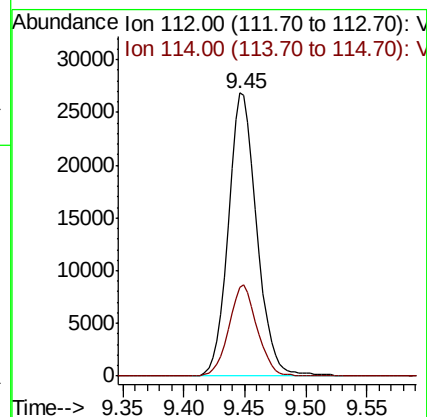
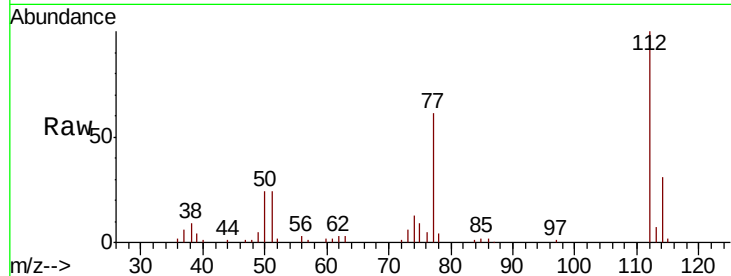




#59
Chlorobenzene
Concen: 1.861 ug/l
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

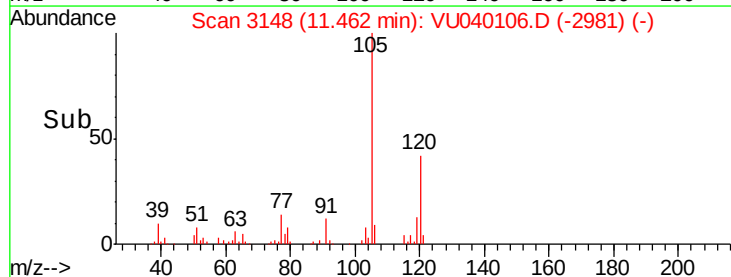
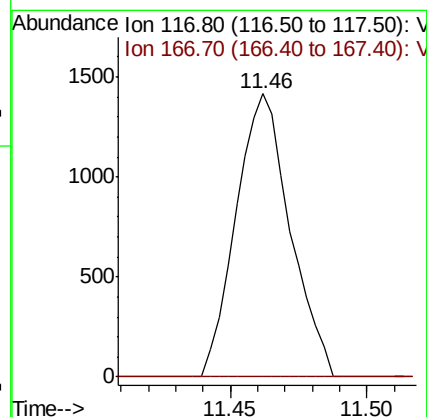
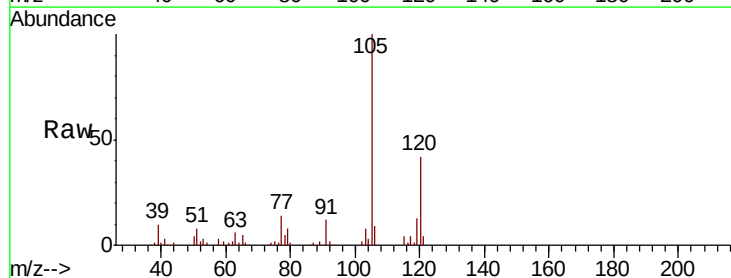
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

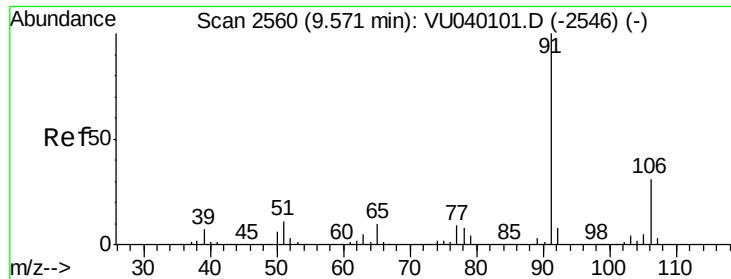
Tot Ion:112 Resp: 43963
Ion Ratio Lower Upper
112 100
114 31.2 24.8 37.2



#61
Pentachloroethane
Concen: 1.560 ug/l
RT: 11.46 min Scan# 3148
Delta R.T. 0.04 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

Tgt Ion:117 Resp: 1947
Ion Ratio Lower Upper
117 100
167 0.0 54.5 81.7#

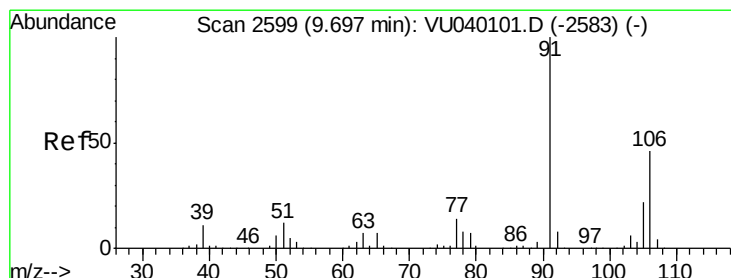
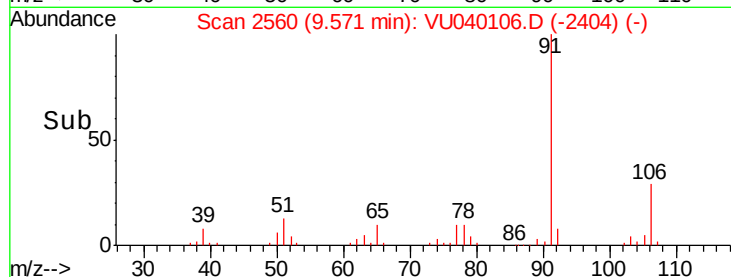
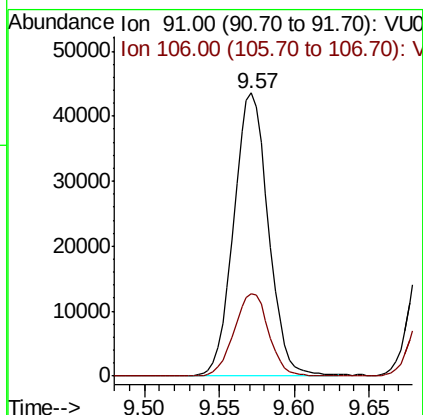
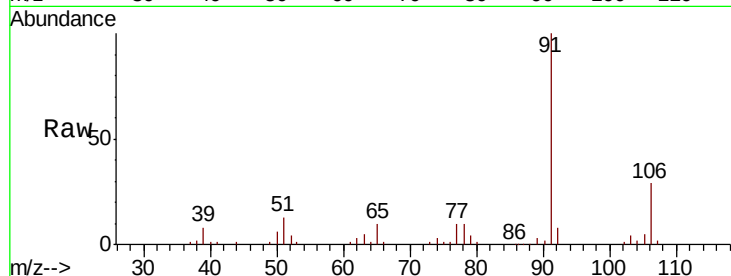




#63
Ethyl Benzene
Concen: 1.789 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

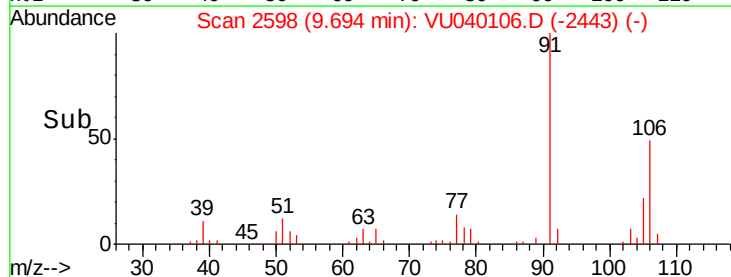
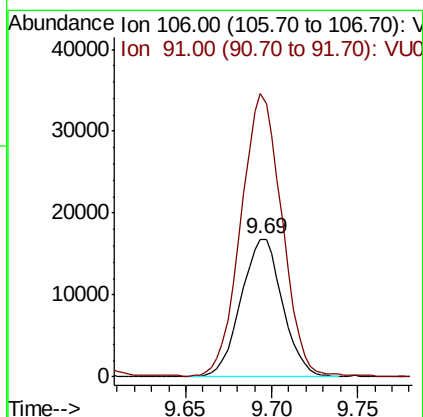
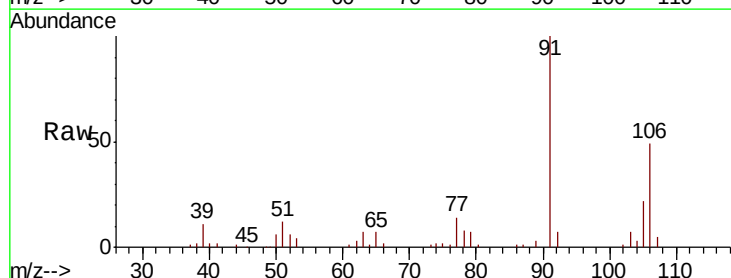
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

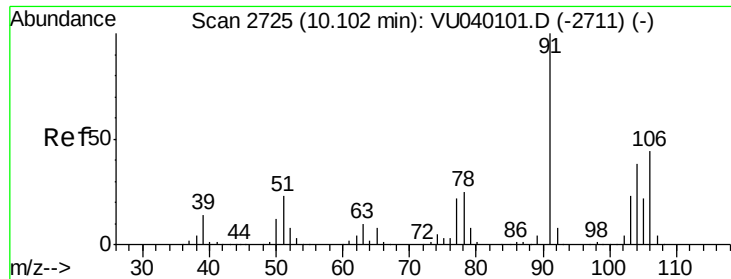
Tot Ion: 91 Resp: 70206
Ion Ratio Lower Upper
91 100
106 29.2 23.8 35.8



#64
m/p-Xylenes
Concen: 3.788 ug/l
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

Tgt Ion: 106 Resp: 28231
Ion Ratio Lower Upper
106 100
91 204.1 171.4 257.2





#65

o-Xylene

Concen: 1.887 ug/l

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

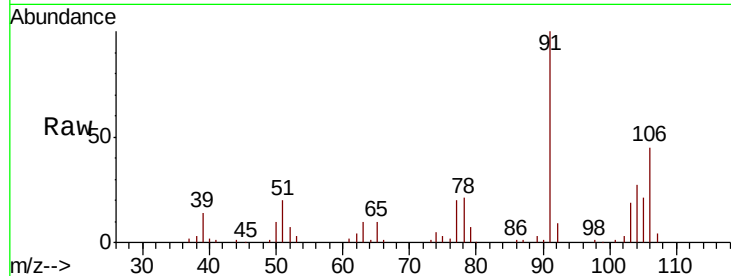
VU0911WBS01

Tot Ion:106 Resp: 26981

Ion Ratio Lower Upper

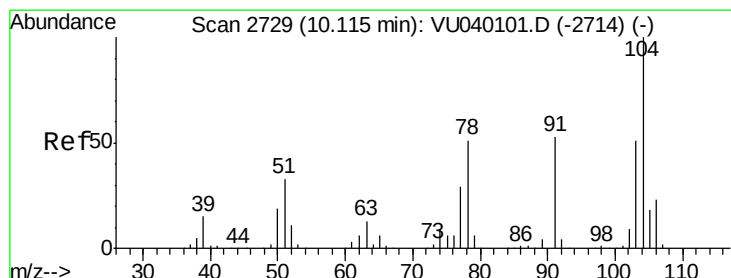
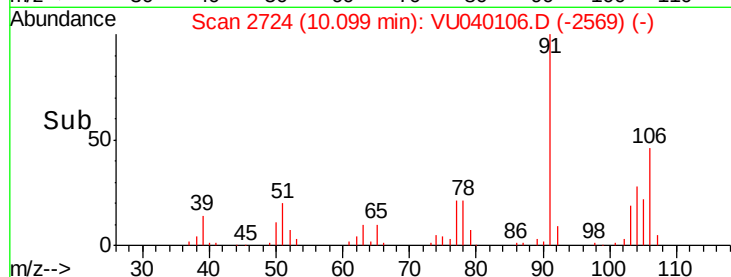
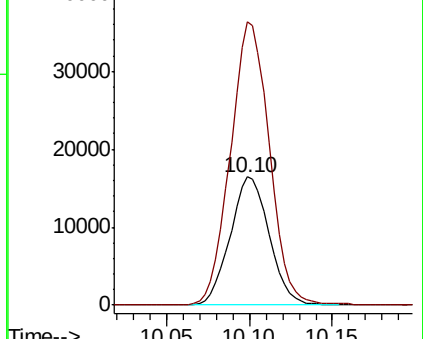
106 100

91 219.4 114.2 342.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 1.826 ug/l

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

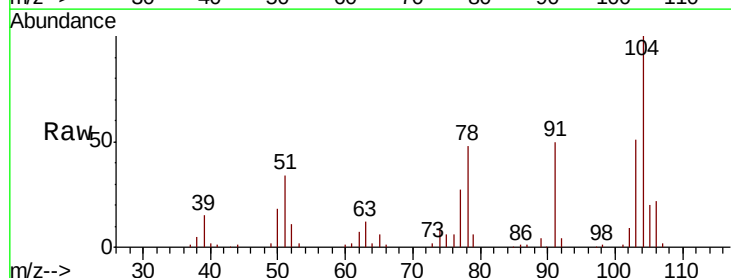
Tgt Ion:104 Resp: 46617

Ion Ratio Lower Upper

104 100

78 54.8 43.9 65.9

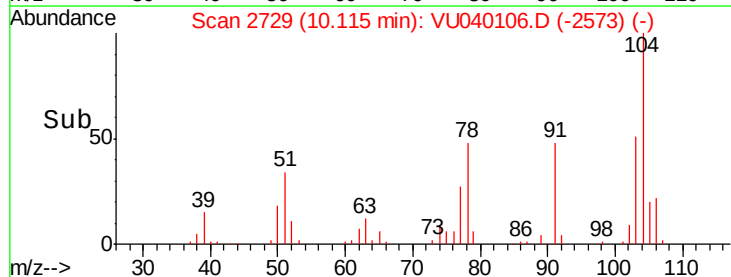
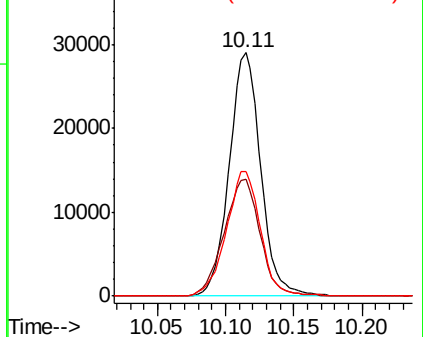
103 55.4 43.7 65.5

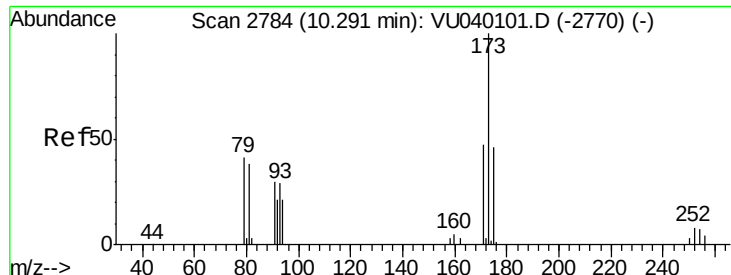


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

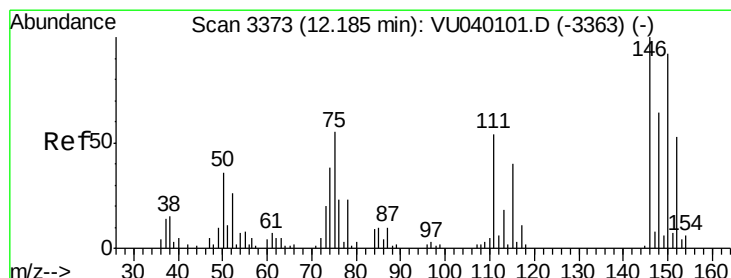
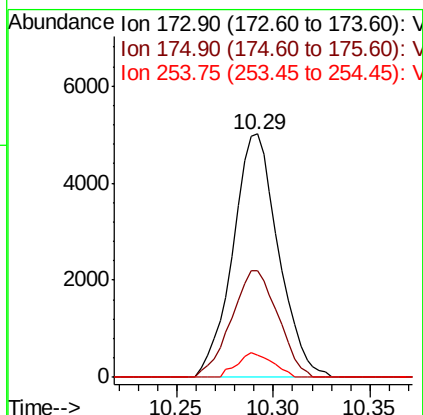
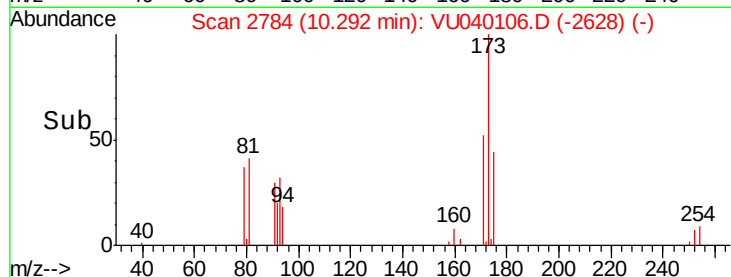
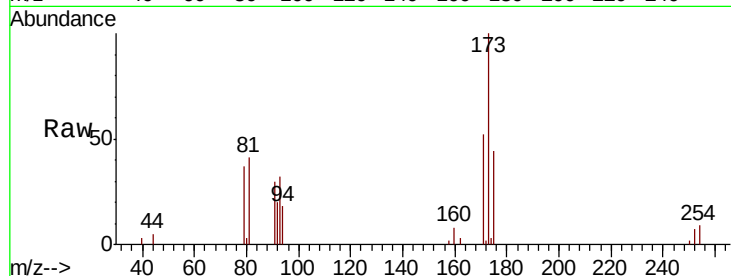




#67
Bromoform
Concen: 1.736 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

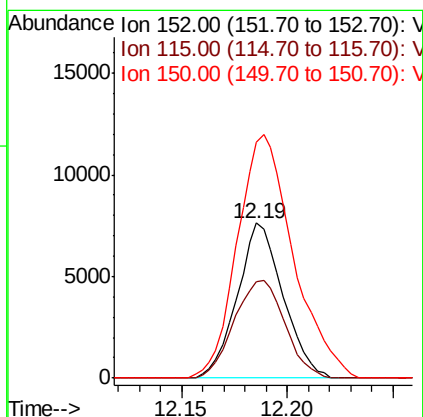
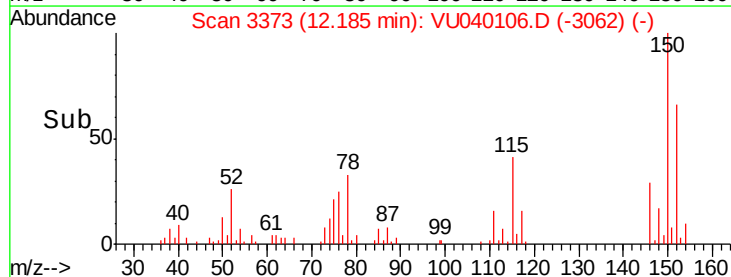
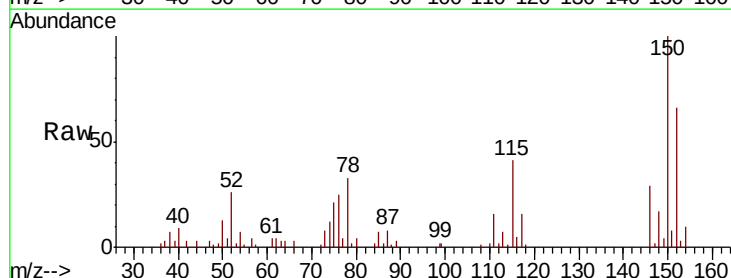
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

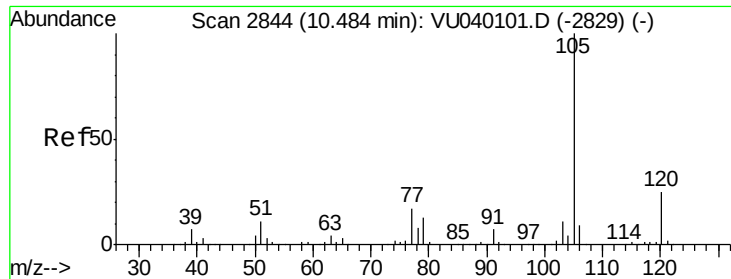
Tot Ion:173 Resp: 8190
Ion Ratio Lower Upper
173 100
175 44.8 38.0 57.0
254 7.9 5.8 8.8



#68
1,2-Dichlorobenzene-d4
Concen: 0.969 ug/l
RT: 12.19 min Scan# 3373
Delta R.T. 0.00 min
Lab File: VU040106.D
Acq: 11 Sep 2020 16:36

Tgt Ion:152 Resp: 11477
Ion Ratio Lower Upper
152 100
115 69.7 0.0 309.0
150 192.1 0.0 658.2





#69

Isopropylbenzene

Concen: 1.788 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

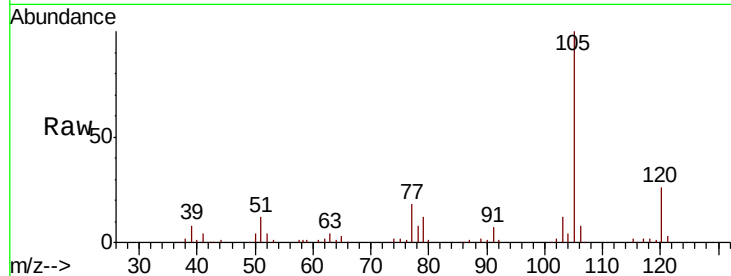
VU0911WBS01

Tot Ion:105 Resp: 70850

Ion Ratio Lower Upper

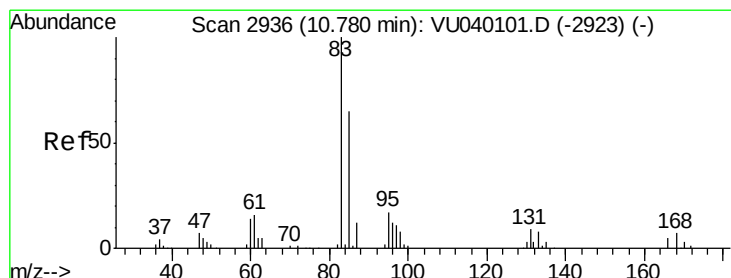
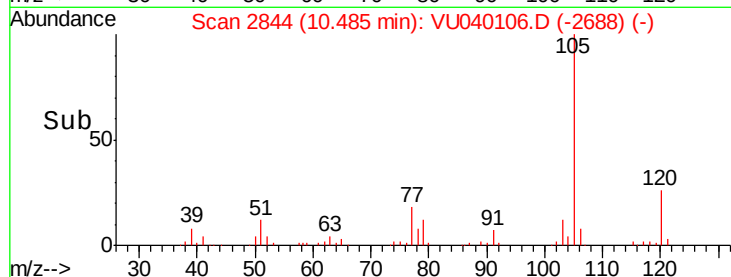
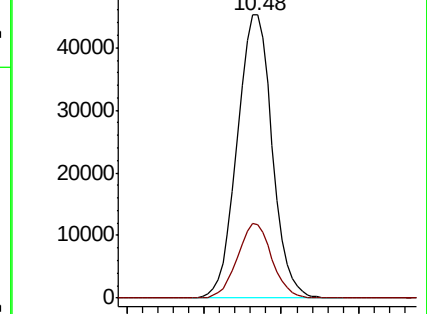
105 100

120 25.9 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 1.790 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

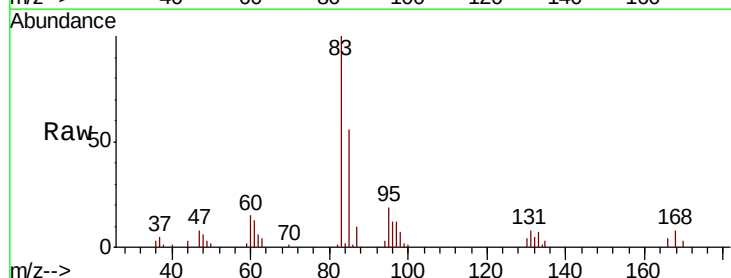
Tgt Ion: 83 Resp: 18155

Ion Ratio Lower Upper

83 100

131 9.2 7.5 11.3

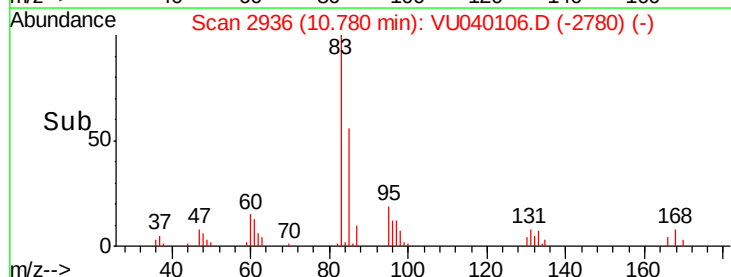
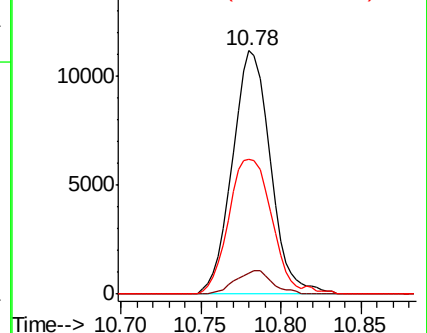
85 63.3 49.7 74.5

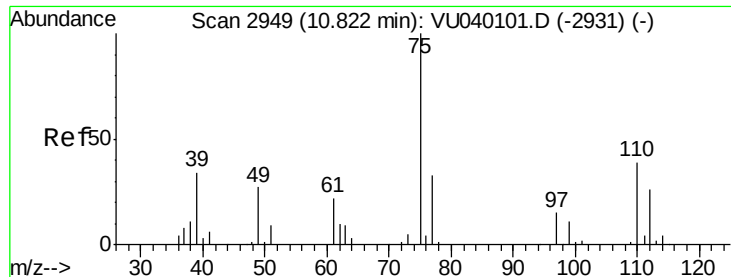


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

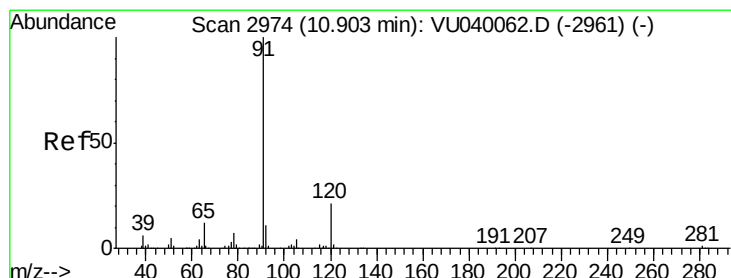
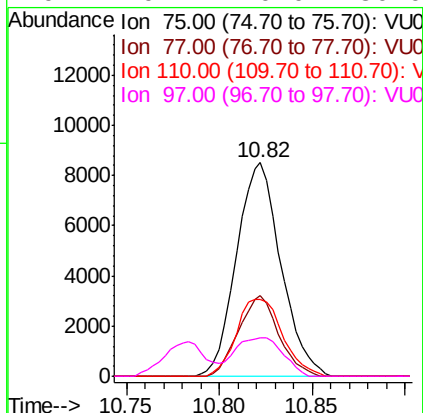
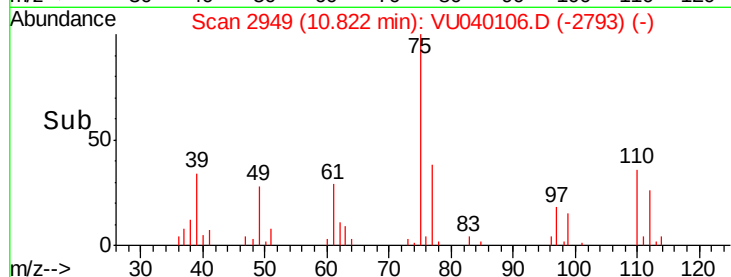
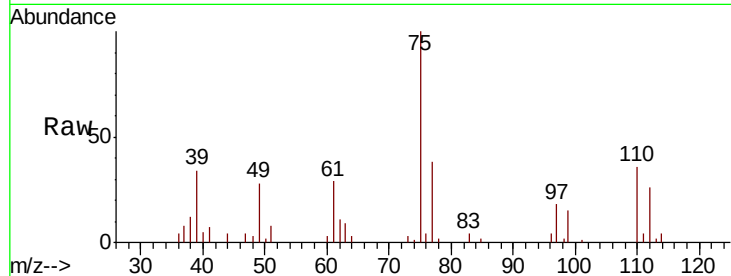




#71
 1,2,3-Trichloropropane
 Concen: 1.822 ug/l
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

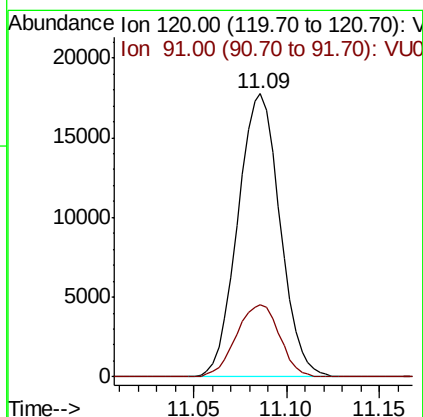
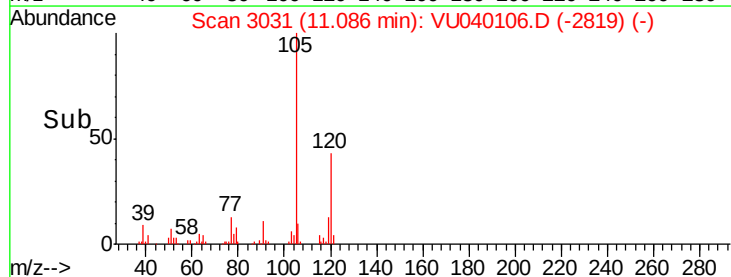
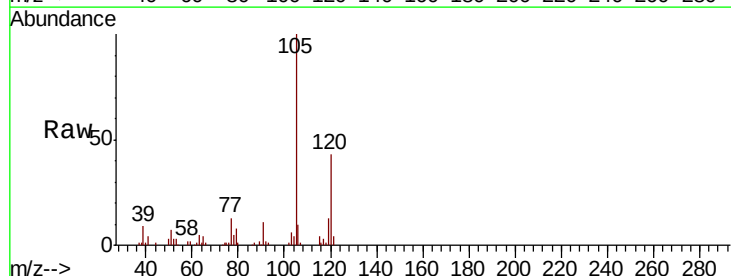
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

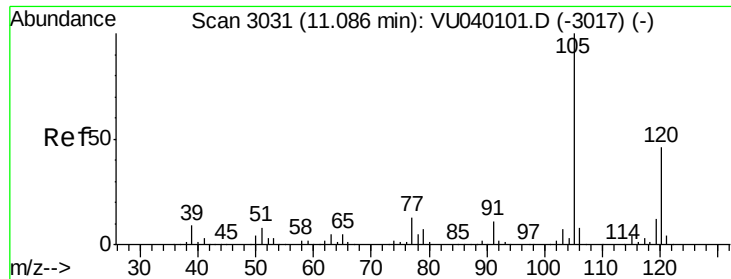
Tot Ion:	75	Resp:	14125
Ion	Ratio	Lower	Upper
75	100		
77	34.2	0.0	111.4
110	37.5	0.0	70.8
97	19.7	0.0	36.0



#73
 n-propylbenzene
 Concen: 1.748 ug/l
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.18 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

Tgt Ion:	120	Resp:	28130
Ion	Ratio	Lower	Upper
120	100		
91	26.0	380.4	570.6#





#75

1,3,5-Trimethylbenzene

Concen: 1.793 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

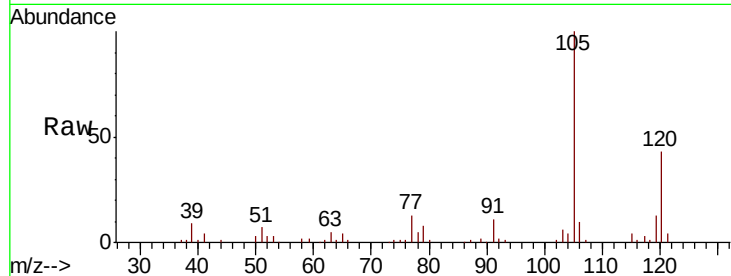
VU0911WBS01

Tot Ion:105 Resp: 61886

Ion Ratio Lower Upper

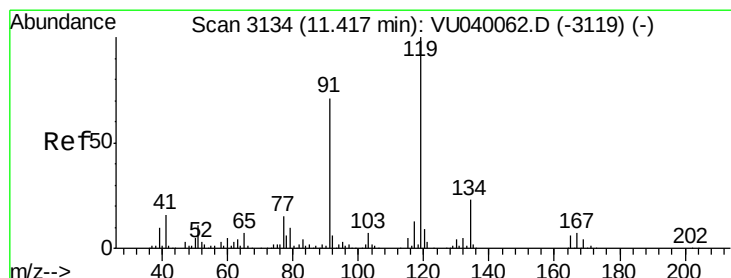
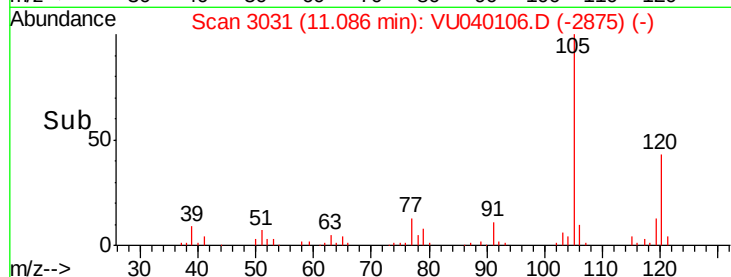
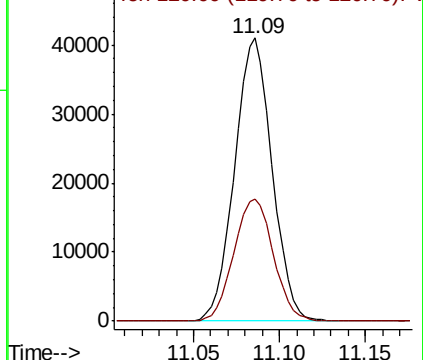
105 100

120 45.5 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: 1.746 ug/l

RT: 11.46 min Scan# 3148

Delta R.T. 0.04 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

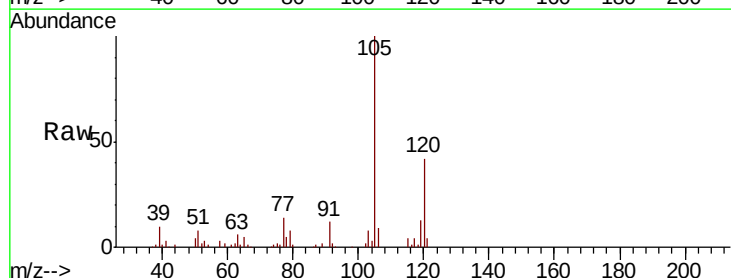
Tgt Ion:119 Resp: 7228

Ion Ratio Lower Upper

119 100

91 101.3 34.2 102.5

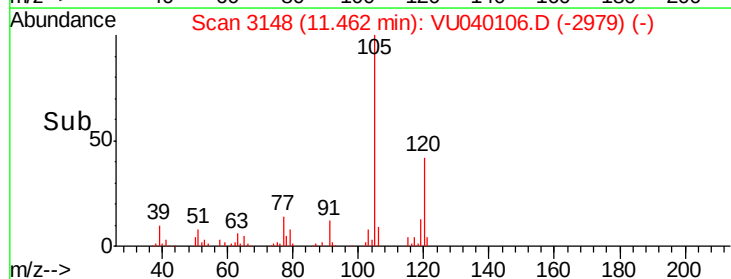
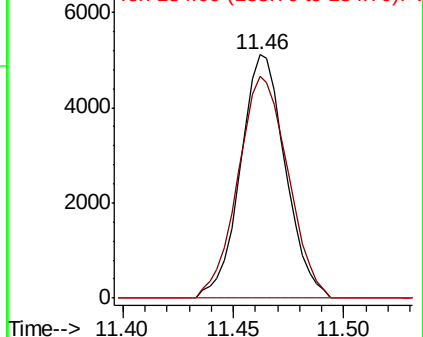
134 0.0 18.2 27.4#

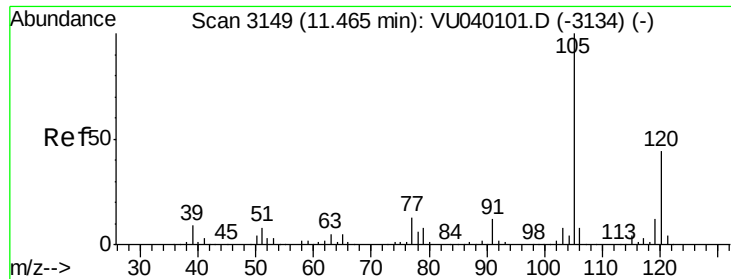


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V

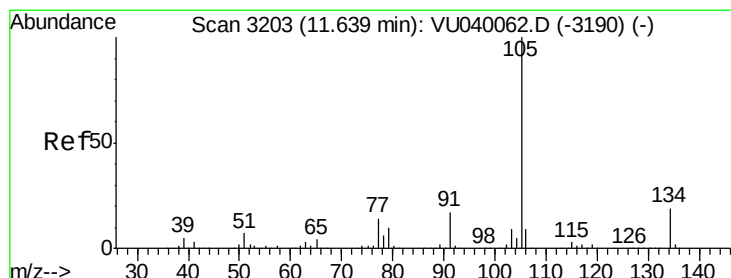
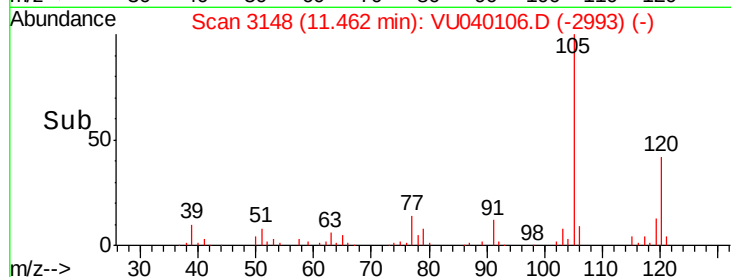
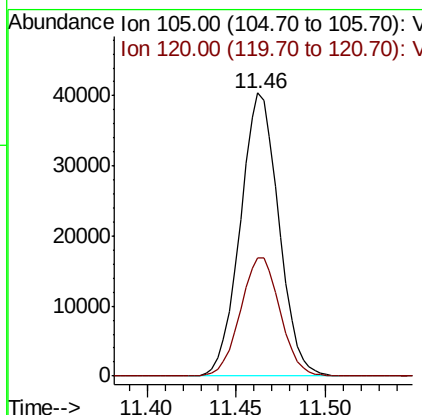
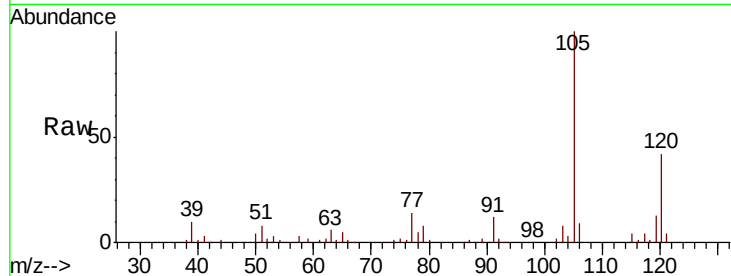




#78
 1,2,4-Trimethylbenzene
 Concen: 1.766 ug/l
 RT: 11.46 min Scan# 3148
 Delta R.T. -0.00 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

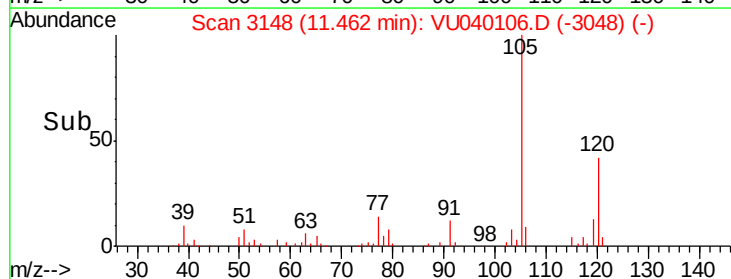
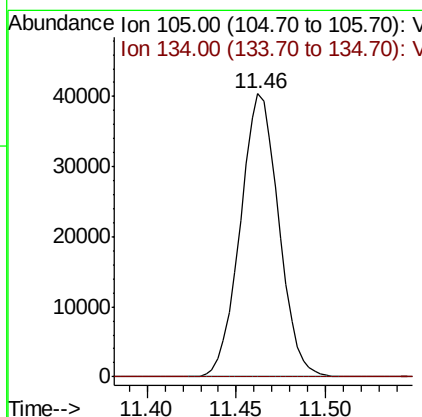
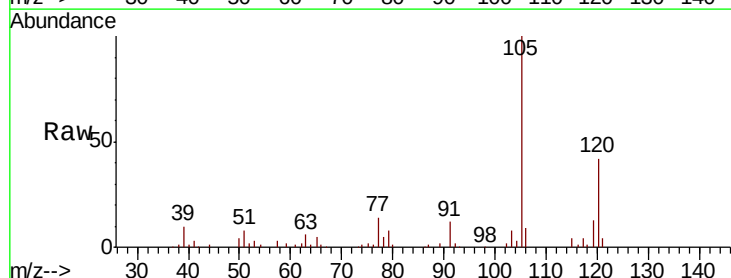
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

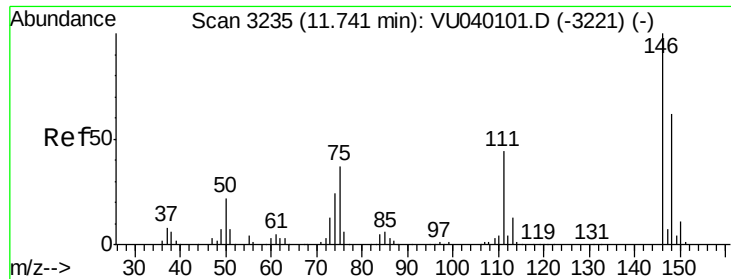
Tot Ion:105 Resp: 60646
 Ion Ratio Lower Upper
 105 100
 120 43.1 21.9 65.5



#79
 sec-Butylbenzene
 Concen: 1.766 ug/l
 RT: 11.46 min Scan# 3148
 Delta R.T. -0.18 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

Tgt Ion:105 Resp: 60646
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.0 22.4#





#82

1,3-Dichlorobenzene

Concen: 1.825 ug/l

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

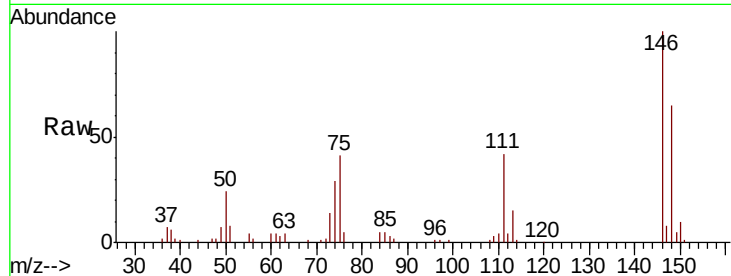
Tot Ion:146 Resp: 36448

Ion Ratio Lower Upper

146 100

111 42.3 35.4 53.0

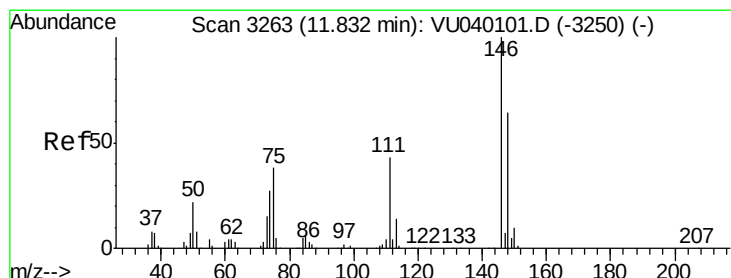
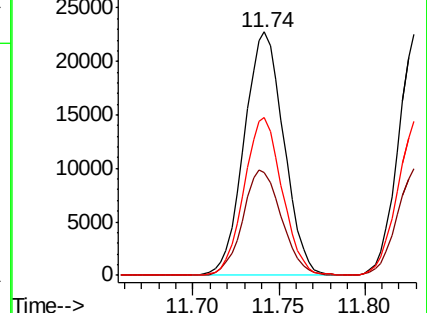
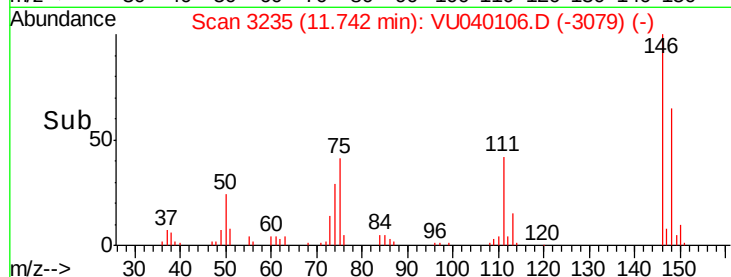
148 62.2 49.7 74.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#83

1,4-Dichlorobenzene

Concen: 1.861 ug/l

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

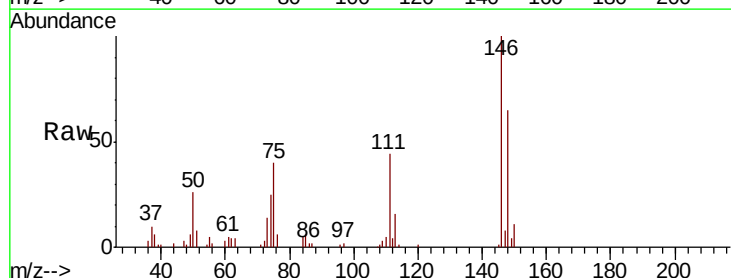
Tgt Ion:146 Resp: 36331

Ion Ratio Lower Upper

146 100

111 44.0 34.2 51.2

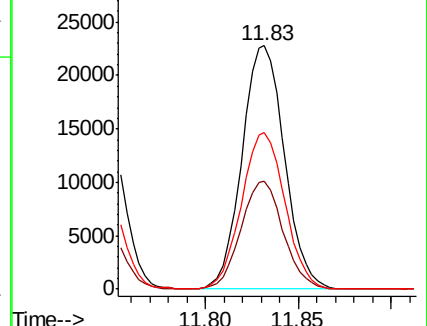
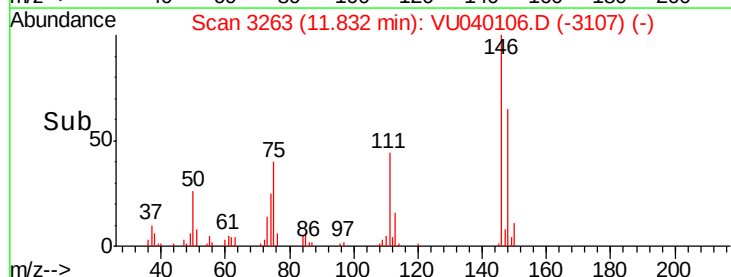
148 65.6 50.2 75.2

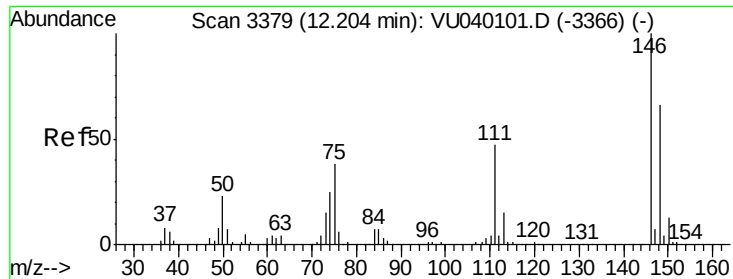


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

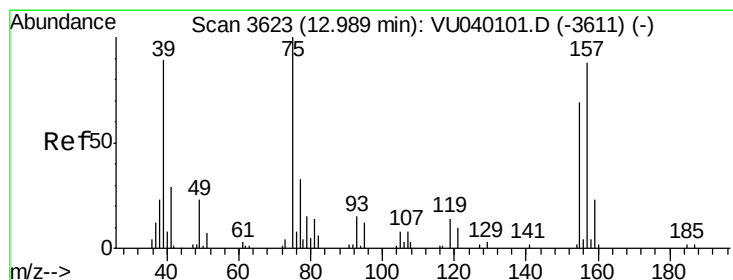
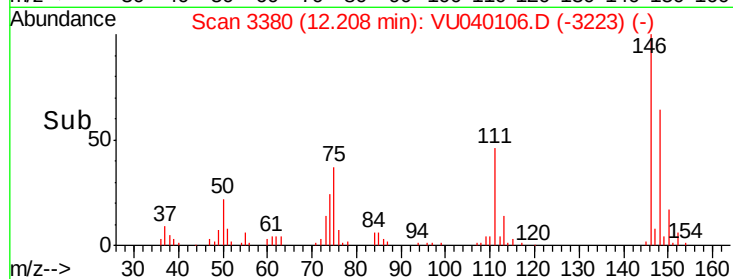
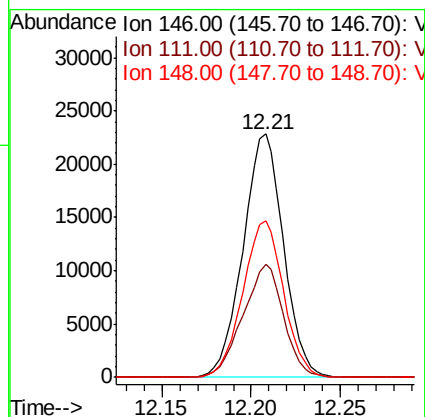
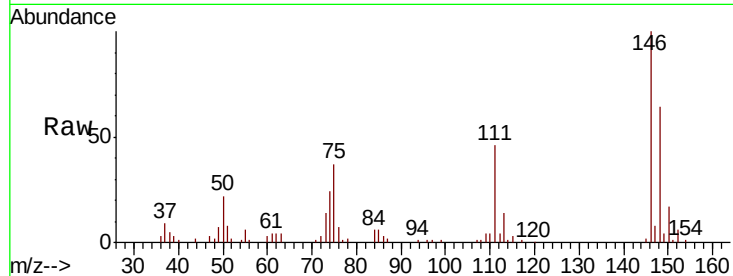




#85
 1,2-Dichlorobenzene
 Concen: 1.947 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

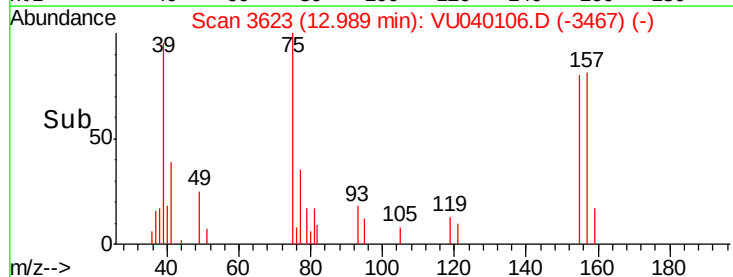
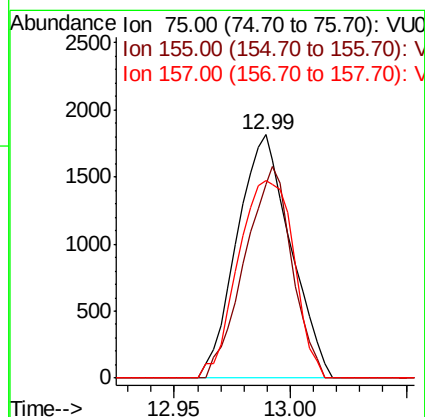
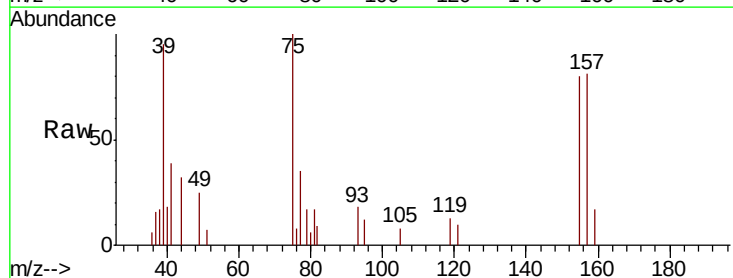
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

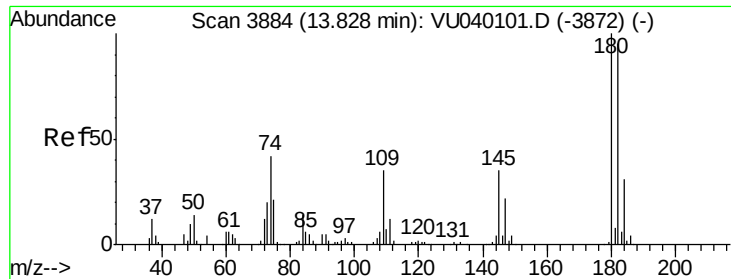
Tot Ion:146 Resp: 36222
 Ion Ratio Lower Upper
 146 100
 111 46.6 22.9 68.7
 148 64.6 31.1 93.2



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.691 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

Tgt Ion: 75 Resp: 2920
 Ion Ratio Lower Upper
 75 100
 155 76.7 53.4 80.0
 157 84.2 65.8 98.8

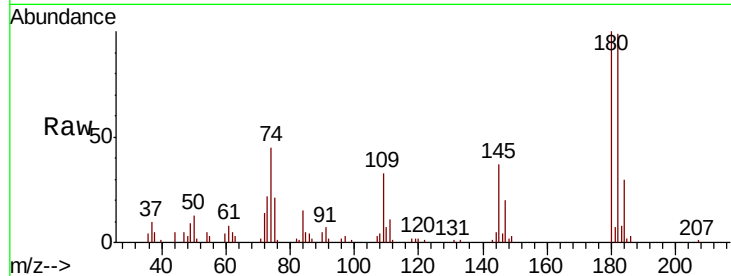




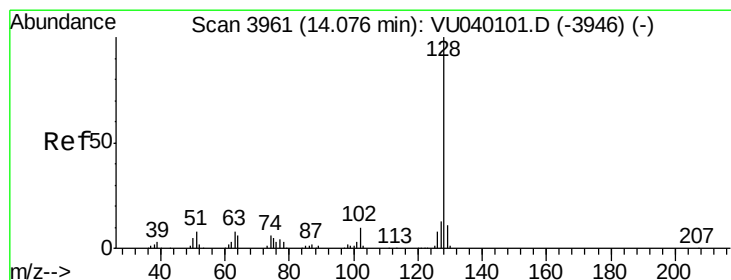
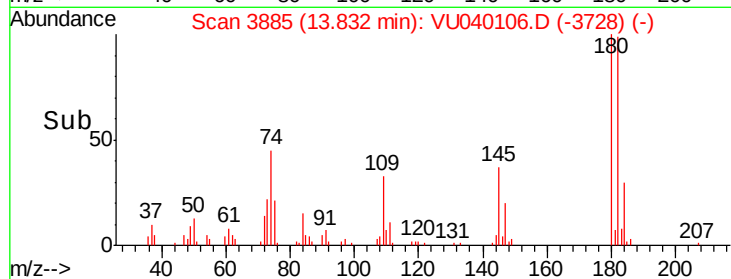
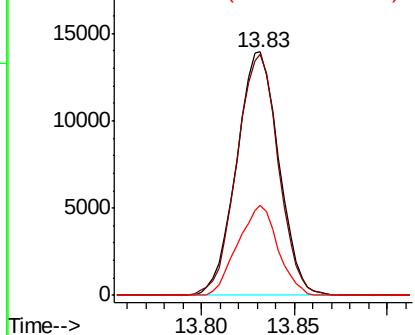
#87
 1,2,4-Trichlorobenzene
 Concen: 2.063 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	75.0	112.4
145	35.0	27.7	41.5

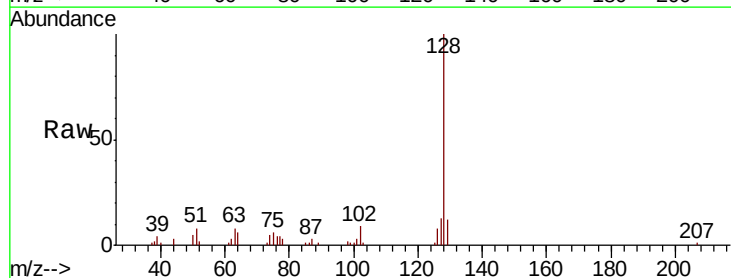


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

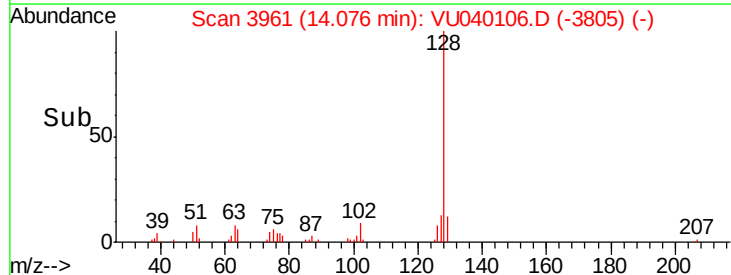
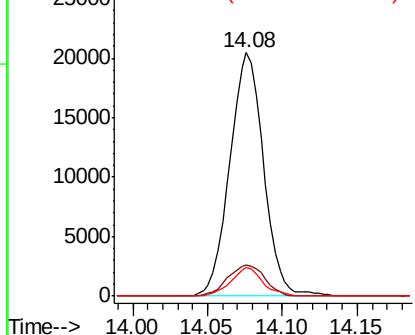


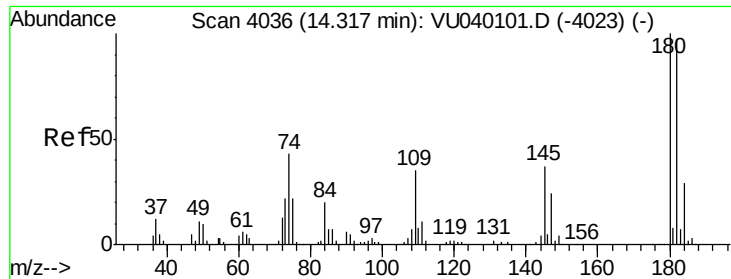
#89
 Naphthalene
 Concen: 1.627 ug/l
 RT: 14.08 min Scan# 3961
 Delta R.T. 0.00 min
 Lab File: VU040106.D
 Acq: 11 Sep 2020 16:36

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.3	15.5
129	11.0	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: 1.814 ug/l

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU040106.D

Acq: 11 Sep 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

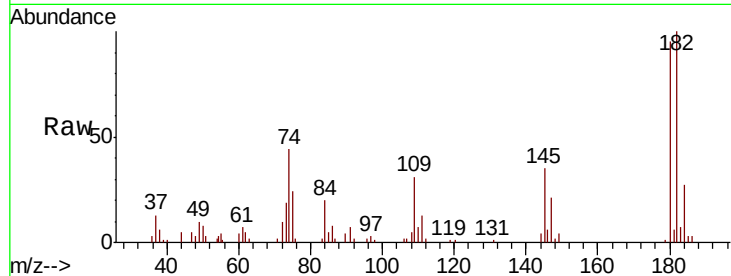
Tot Ion:180 Resp: 18437

Ion Ratio Lower Upper

180 100

182 97.1 76.0 114.0

145 35.5 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

