

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091120\
 Data File : VU040103.D
 Acq On : 11 Sep 2020 13:59
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 12 05:03:39 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	31658	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	12647	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	12707	1.08	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	137285	9.804	ug/l	100
3) Chloromethane	1.53	50	111672	9.967	ug/l	99
4) Vinyl Chloride	1.61	62	121521	9.606	ug/l	99
5) Bromomethane	1.87	94	48180	12.150	ug/l	95
6) Chloroethane	1.94	64	67666	9.337	ug/l	95
7) Trichlorofluoromethane	2.15	101	167155	9.364	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	76570	9.601	ug/l	99
9) 1,1-Dichloroethene	2.59	96	57649	9.441	ug/l	97
13) Acetone	2.66	43	245274	53.005	ug/l	96
14) Carbon Disulfide	2.80	76	94205	8.820	ug/l	99
15) Methylene Chloride	3.06	84	79150	7.714	ug/l	96
16) trans-1,2-Dichloroethene	3.37	96	66265	10.096	ug/l	99
17) 1,1-Dichloroethane	3.89	63	155770	9.664	ug/l	100
18) 2-Butanone	4.73	43	371158	53.107	ug/l	100
19) Cyclohexane	5.40	56	102745	10.267	ug/l	99
20) Methylcyclohexane	6.77	83	111728	11.020	ug/l	98
22) cis-1,2-Dichloroethene	4.68	96	84607	10.226	ug/l	85
23) Diethyl Ether	2.59	59	4571	11.596	ug/l #	13
25) Methyl tert-Butyl Ether	3.38	73	232189	10.498	ug/l	98
26) Bromochloromethane	4.99	128	38751	9.636	ug/l	97
27) Chloroform	5.11	83	170772	9.686	ug/l	97
28) 1,1,1-Trichloroethane	5.33	97	144618	9.762	ug/l	99
29) 1,1-Dichloropropene	5.78	75	5653	9.199	ug/l #	1
30) Carbon Tetrachloride	5.54	117	118465	9.735	ug/l	99
35) Benzene	5.79	78	314511	9.945	ug/l	98
36) 1,2-Dichloroethane	5.81	62	121667	9.573	ug/l	99
37) Trichloroethene	6.55	130	82128	10.110	ug/l	96
38) 1,2-Dichloropropane	6.80	63	92903	9.491	ug/l	98
44) Bromodichloromethane	7.11	83	130743	9.774	ug/l	99
45) 4-Methyl-2-Pentanone	7.80	43	848769	53.207	ug/l	99
46) t-1,4-Dichloro-2-butene	10.82	75	75816	19.732	ug/l #	16
47) Methyl methacrylate	6.77	69	23795	21.666	ug/l #	1
49) Toluene	7.97	92	209116	10.426	ug/l	100
50) t-1,3-Dichloropropene	8.21	75	131945	10.529	ug/l	96
51) cis-1,3-Dichloropropene	7.61	75	135621	10.518	ug/l	99
52) 1,1,2-Trichloroethane	8.40	97	72112	9.274	ug/l	98
54) 2-Hexanone	8.69	43	627885	55.681	ug/l	99
55) Dibromochloromethane	8.81	129	86866	9.660	ug/l	98
56) 1,2-Dibromoethane	8.93	107	68407	9.572	ug/l	99
58) Tetrachloroethene	8.56	164	60276	9.981	ug/l	98
59) Chlorobenzene	9.45	112	237909	10.087	ug/l	98

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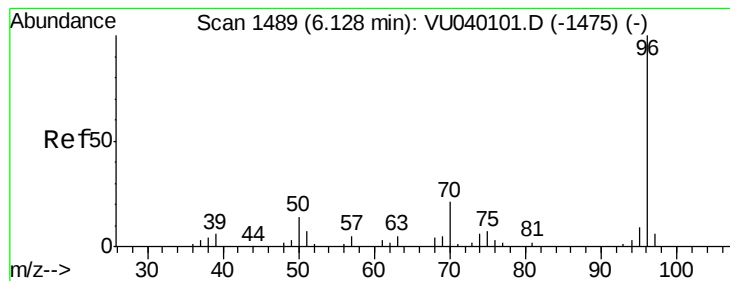
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 12 05:03:39 2020
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

60) 1,1,1,2-Tetrachloroethane	9.53	131	380	11.807	ug/l #	74
61) Pentachloroethane	11.47	117	12951	10.397	ug/l #	16
63) Ethyl Benzene	9.57	91	424244	10.832	ug/l	100
64) m/p-Xylenes	9.69	106	159241	21.407	ug/l	100
65) o-Xylene	10.10	106	158182	11.083	ug/l	96
66) Styrene	10.11	104	282923	11.105	ug/l	99
67) Bromoform	10.29	173	47030	9.987	ug/l	99
69) Isopropylbenzene	10.48	105	436440	11.038	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.78	83	98096	9.688	ug/l	99
71) 1,2,3-Trichloropropane	10.82	75	75816	9.796	ug/l	82
73) n-propylbenzene	11.09	120	182923	11.389	ug/l #	1
75) 1,3,5-Trimethylbenzene	11.09	105	391712	11.368	ug/l	99
77) tert-Butylbenzene	11.47	119	47112	11.399	ug/l #	60
78) 1,2,4-Trimethylbenzene	11.47	105	396287	11.561	ug/l	98
79) sec-Butylbenzene	11.47	105	396287	11.561	ug/l #	58
82) 1,3-Dichlorobenzene	11.74	146	202074	10.140	ug/l	99
83) 1,4-Dichlorobenzene	11.83	146	204092	10.474	ug/l	99
85) 1,2-Dichlorobenzene	12.20	146	193194	10.402	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.99	75	18922	10.980	ug/l	98
87) 1,2,4-Trichlorobenzene	13.83	180	126444	11.846	ug/l	100
89) Naphthalene	14.08	128	260293	13.209	ug/l	99
90) 1,2,3-Trichlorobenzene	14.32	180	117559	11.590	ug/l	98

(#) = 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: VU040103.D

Acq: 11 Sep 2020 13:59

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 31658

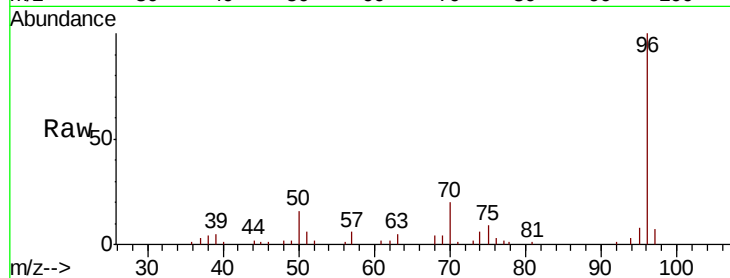
Ion Ratio Lower Upper

96 100

70 21.5 17.1 25.7

95 8.7 7.6 11.4

97 0.0 0.0 0.0

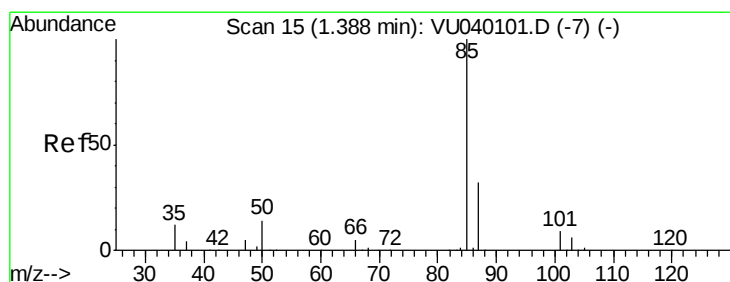
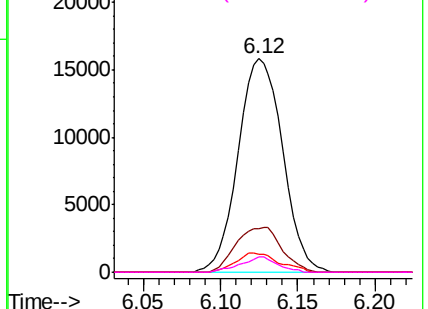
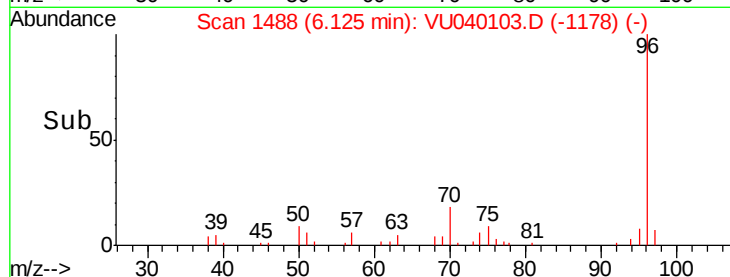


Abundance Ion 96.00 (95.70 to 96.70): VU040103.D (-1178) (-)

Ion 70.00 (69.70 to 70.70): VU040103.D (-1178) (-)

Ion 95.00 (94.70 to 95.70): VU040103.D (-1178) (-)

Ion 97.00 (96.70 to 97.70): VU040103.D (-1178) (-)



#2

Dichlorodifluoromethane

Concen: 9.804 ug/l

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040103.D

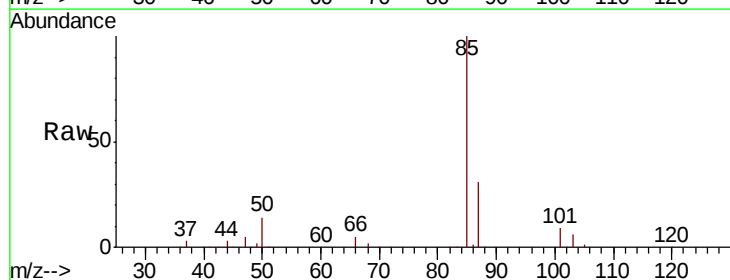
Acq: 11 Sep 2020 13:59

Tgt Ion: 85 Resp: 137285

Ion Ratio Lower Upper

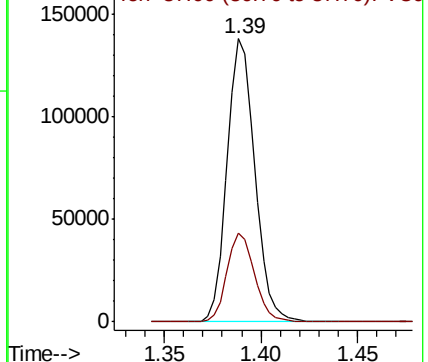
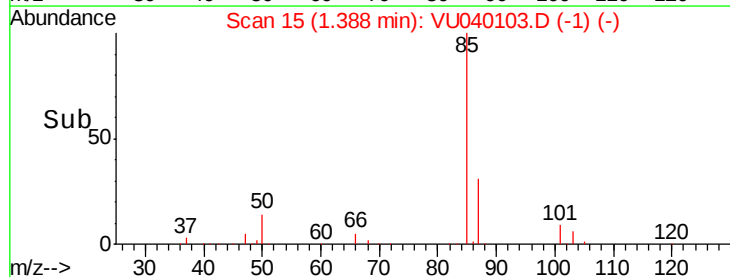
85 100

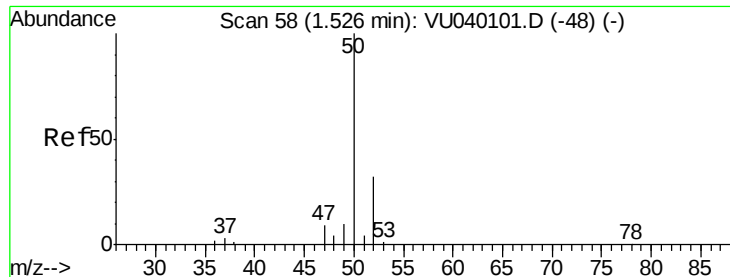
87 31.4 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VU040103.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU040103.D (-1) (-)





#3

Chloromethane

Concen: 9.967 ug/l

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

Instrument :

MSVOA_U

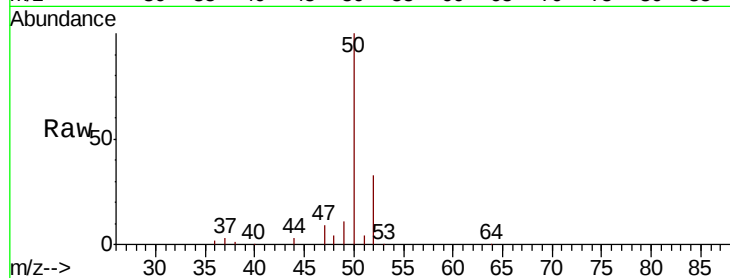
ClientSampled :

Tot Ion: 50 Resp: 111672

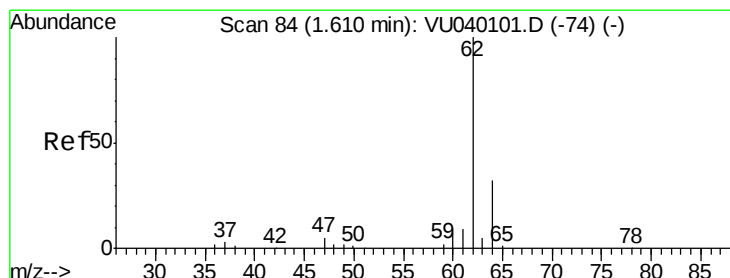
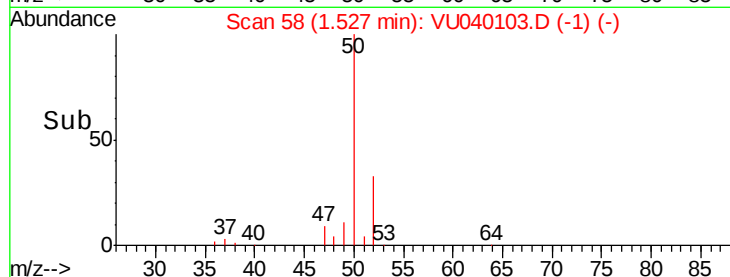
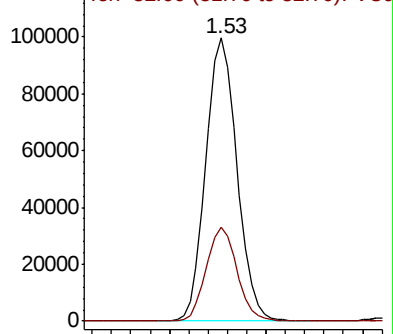
Ion Ratio Lower Upper

50 100

52 33.1 25.9 38.9



Abundance Ion 50.00 (49.70 to 50.70): VU040103.D (-1) (-)



#4

Vinyl Chloride

Concen: 9.606 ug/l

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040103.D

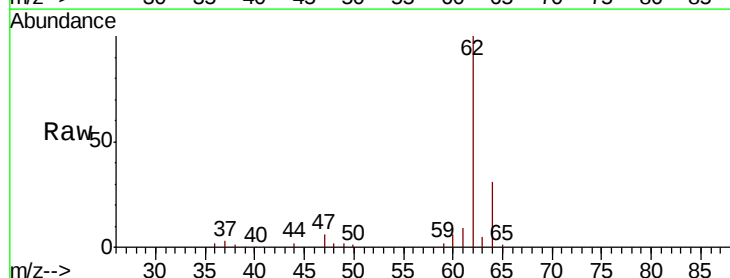
Acq: 11 Sep 2020 13:59

Tgt Ion: 62 Resp: 121521

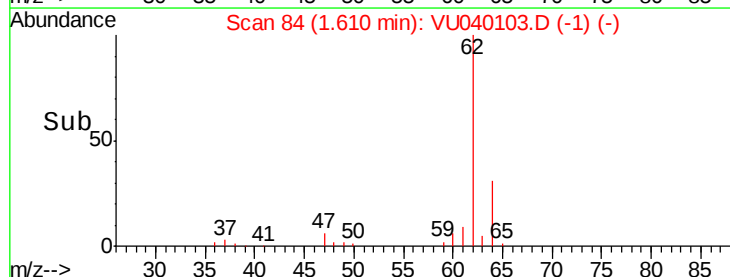
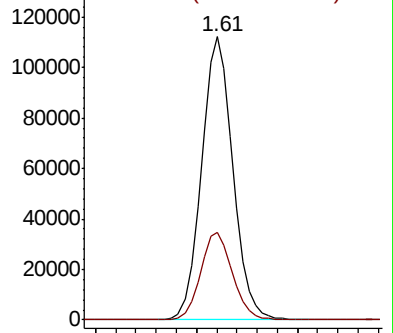
Ion Ratio Lower Upper

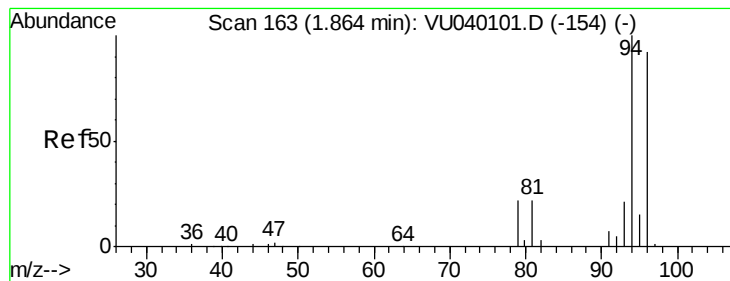
62 100

64 30.9 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VU040103.D (-1) (-)





#5

Bromomethane

Concen: 12.150 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

Instrument :

MSVOA_U

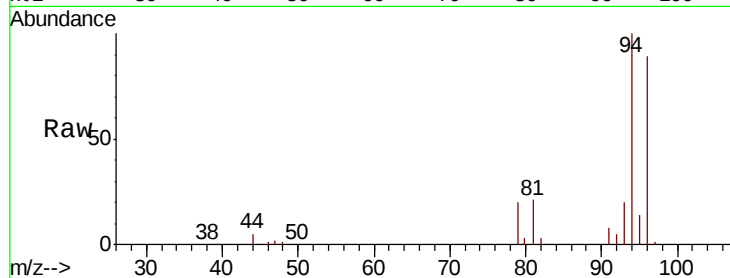
ClientSampleId :

Tot Ion: 94 Resp: 48180

Ion Ratio Lower Upper

94 100

96 89.0 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VU040103.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU040103.D (-154) (-)

1.87

40000

30000

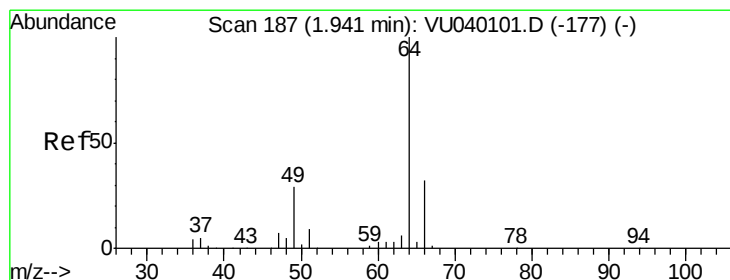
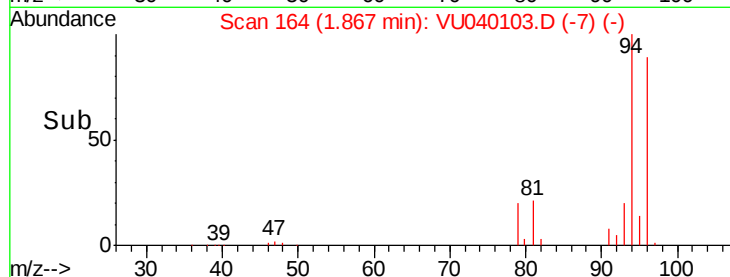
20000

10000

0

1.80 1.85 1.90 1.95

Time-->



#6

Chloroethane

Concen: 9.337 ug/l

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU040103.D

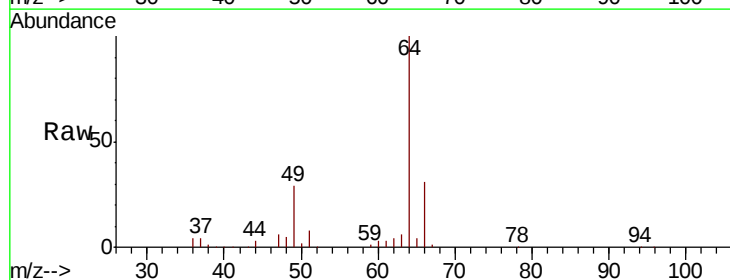
Acq: 11 Sep 2020 13:59

Tgt Ion: 64 Resp: 67666

Ion Ratio Lower Upper

64 100

66 30.7 26.7 40.1



Abundance Ion 64.00 (63.70 to 64.70): VU040103.D (-31) (-)

Ion 66.00 (65.70 to 66.70): VU040103.D (-31) (-)

1.94

60000

50000

40000

30000

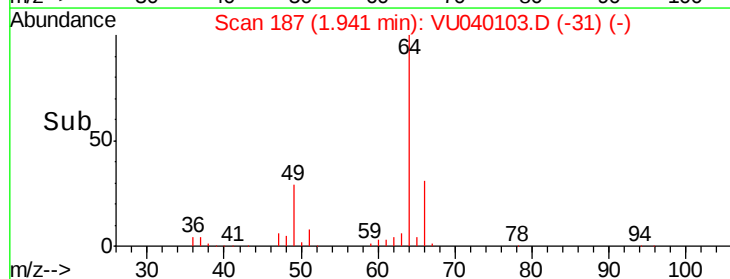
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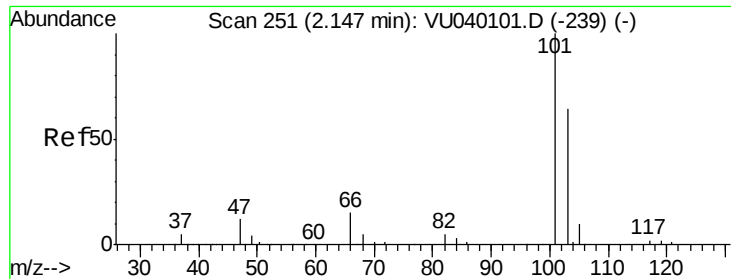
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0

1.90 1.95 2.00

Time-->



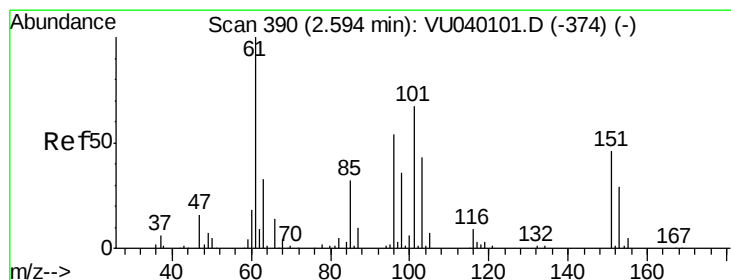
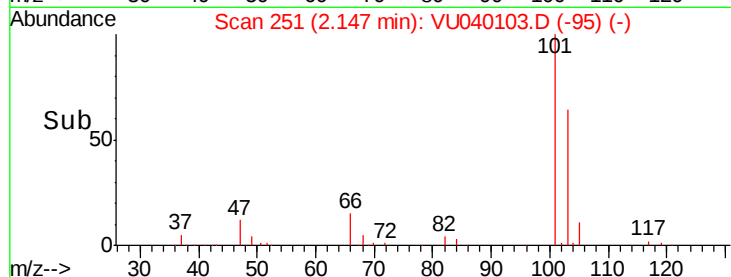
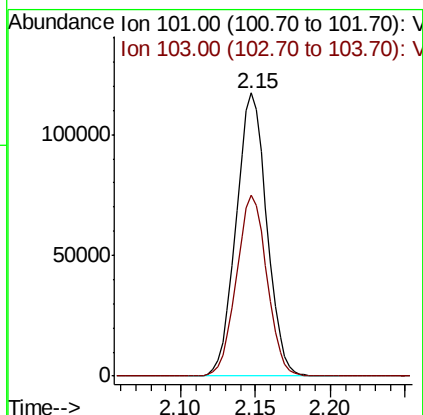
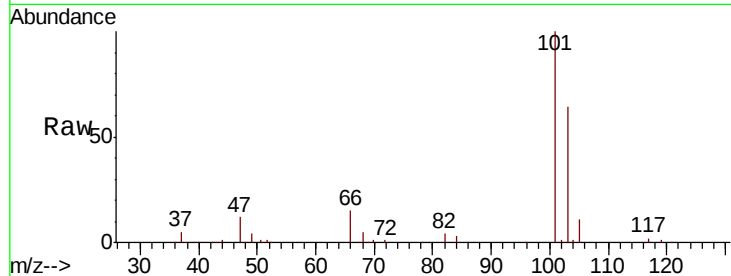


#7

Trichlorofluoromethane
 Concen: 9.364 ug/l
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU040103.D
 Acq: 11 Sep 2020 13:59

Instrument :
 MSVOA_U
 ClientSampled :

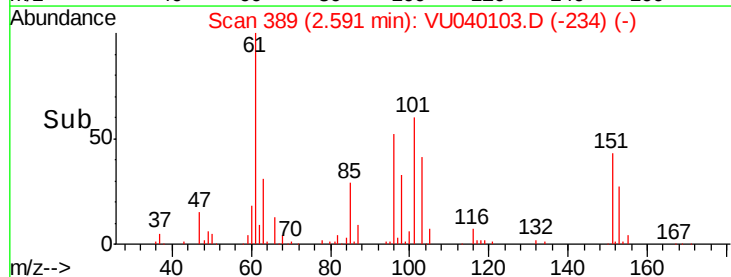
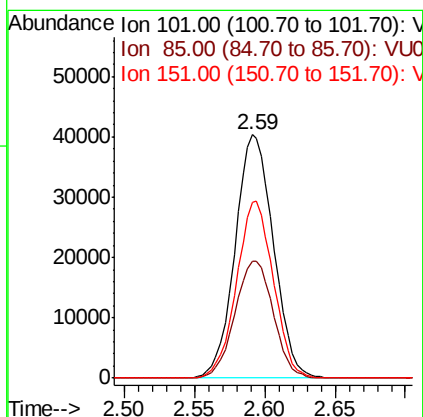
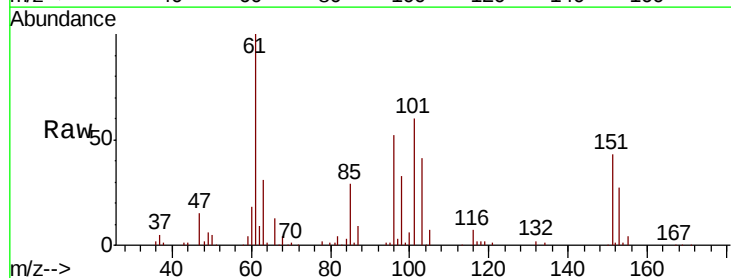
Tot Ion:101 Resp: 167155
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.8 76.2

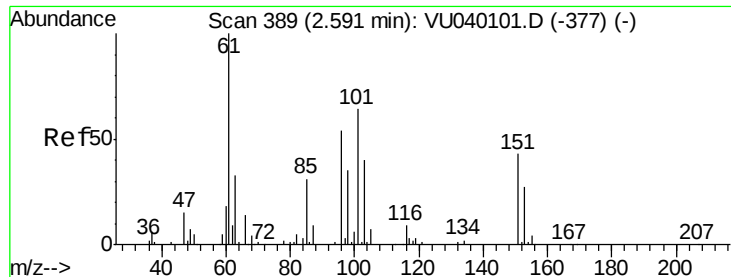


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.601 ug/l
 RT: 2.59 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VU040103.D
 Acq: 11 Sep 2020 13:59

Tgt Ion:101 Resp: 76570
 Ion Ratio Lower Upper
 101 100
 85 48.2 38.5 57.7
 151 70.1 54.6 81.8





#9

1,1-Dichloroethene

Concen: 9.441 ug/l

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

Instrument :
MSVOA_U
ClientSampled :

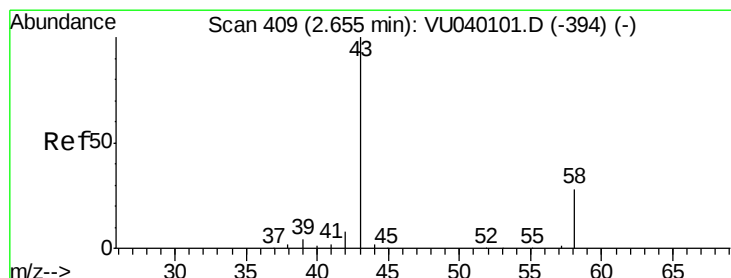
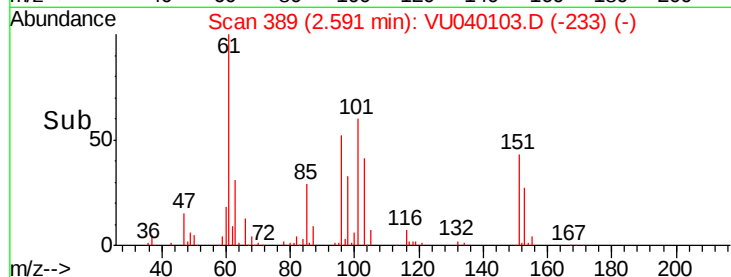
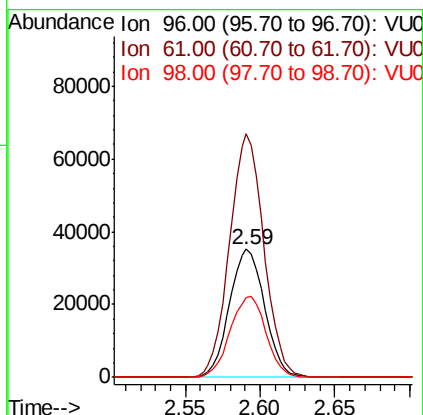
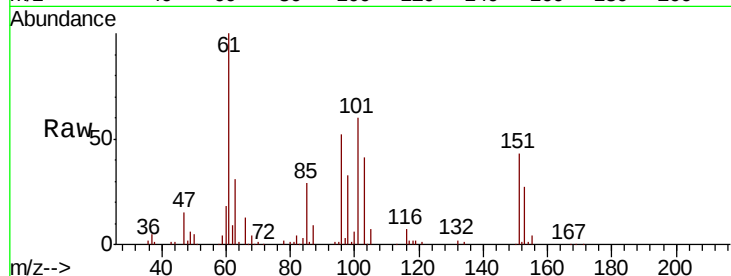
Tot Ion: 96 Resp: 57649

Ion Ratio Lower Upper

96 100

61 190.5 0.0 557.1

98 62.6 0.0 125.6



#13

Acetone

Concen: 53.005 ug/l

RT: 2.66 min Scan# 411

Delta R.T. 0.01 min

Lab File: VU040103.D

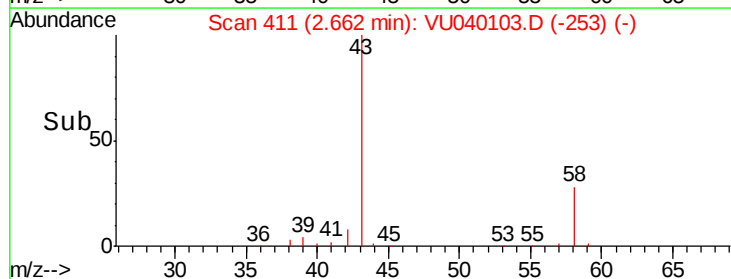
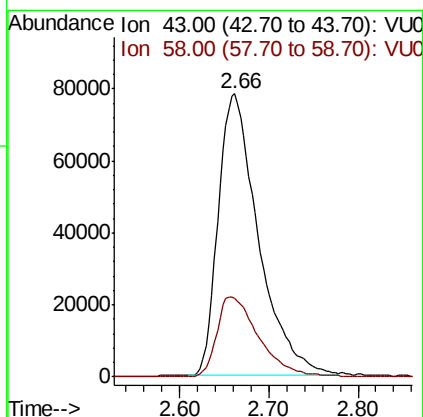
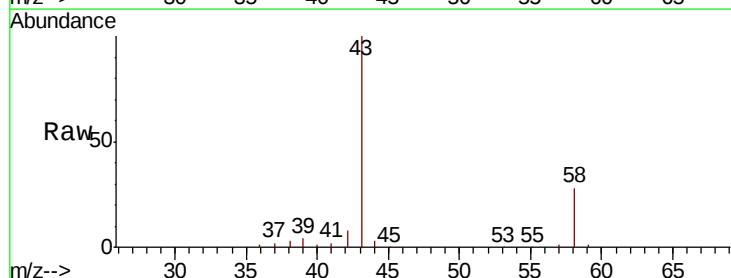
Acq: 11 Sep 2020 13:59

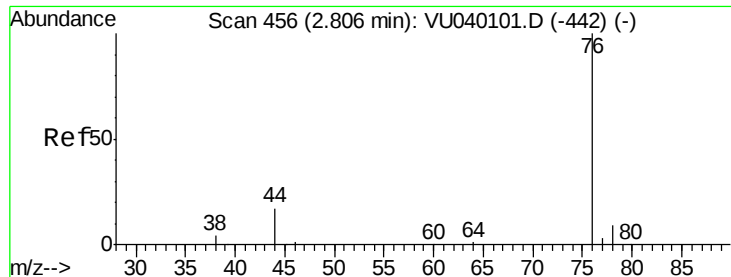
Tgt Ion: 43 Resp: 245274

Ion Ratio Lower Upper

43 100

58 27.9 20.6 31.0





#14

Carbon Disulfide

Concen: 8.820 ug/l

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

Instrument :

MSVOA_U

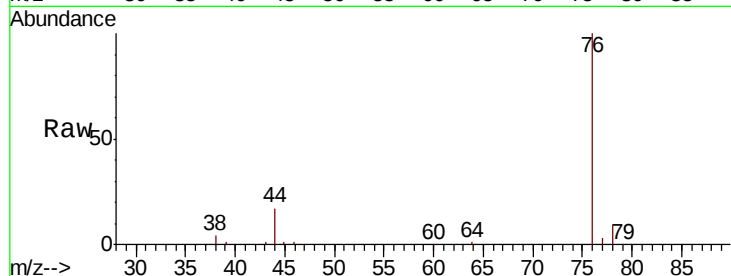
ClientSampleId :

Tot Ion: 76 Resp: 94205

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU040101.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040101.D (-442) (-)

2.80

60000

50000

40000

30000

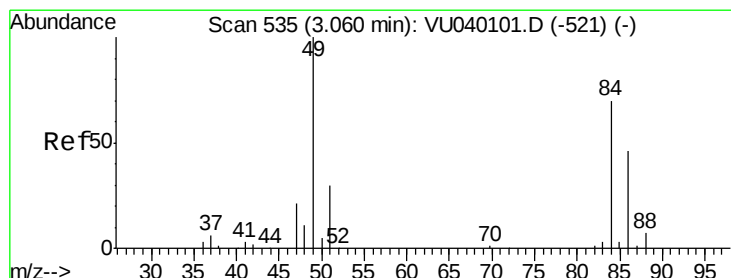
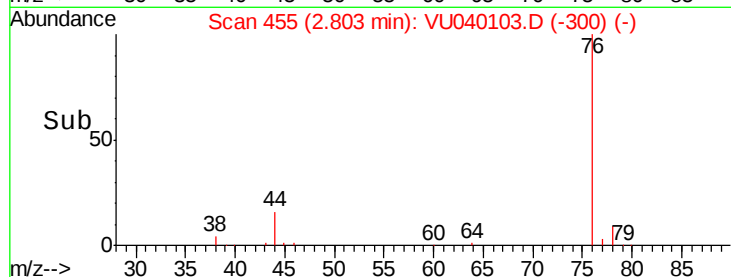
20000

10000

0

Time-->

2.75 2.80 2.85



#15

Methylene Chloride

Concen: 7.714 ug/l

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

Tgt Ion: 84 Resp: 79150

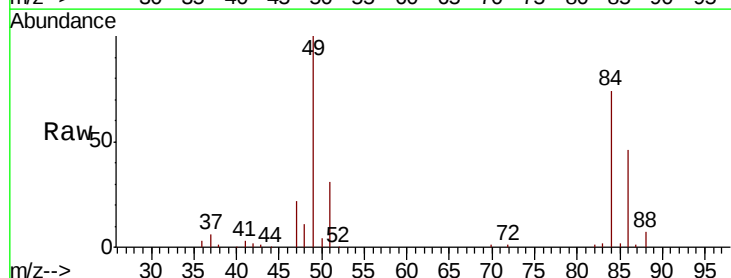
Ion Ratio Lower Upper

84 100

49 135.8 114.3 171.5

51 42.7 0.0 84.6

86 62.4 50.6 76.0



Abundance Ion 84.00 (83.70 to 84.70): VU040101.D (-521) (-)

Ion 49.00 (48.70 to 49.70): VU040101.D (-521) (-)

Ion 51.00 (50.70 to 51.70): VU040101.D (-521) (-)

Ion 86.00 (85.70 to 86.70): VU040101.D (-521) (-)

80000

60000

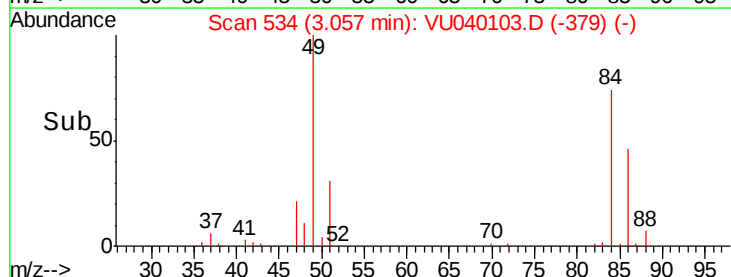
40000

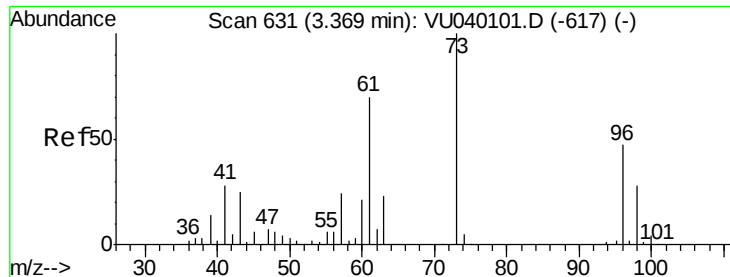
20000

0

Time-->

3.00 3.05 3.10 3.15

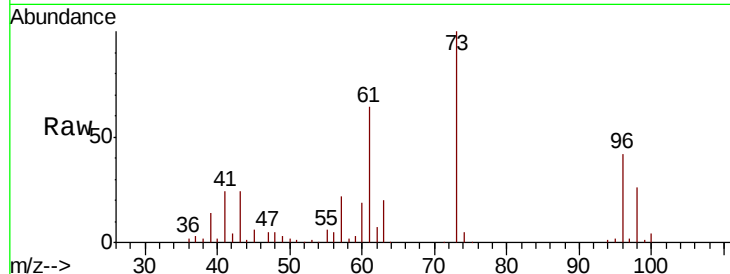




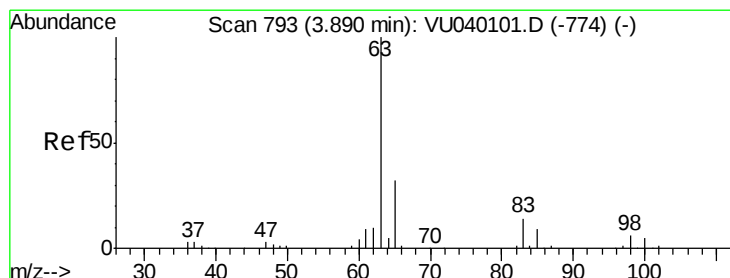
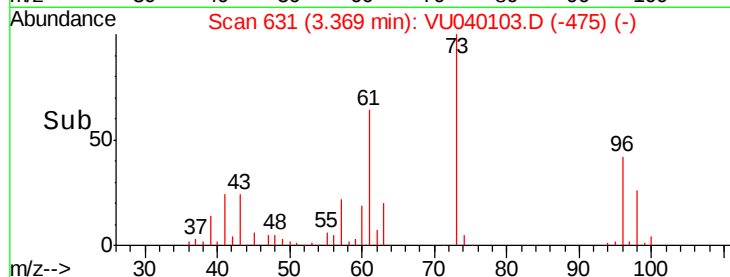
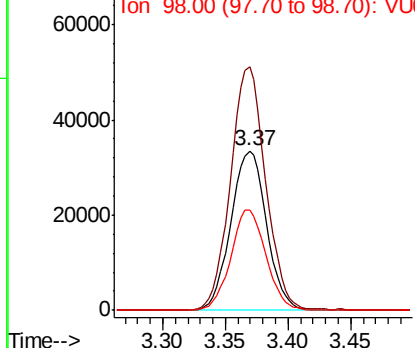
#16
trans-1,2-Dichloroethene
Concen: 10.096 ug/l
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 66265
Ion Ratio Lower Upper
96 100
61 152.5 121.4 182.0
98 62.8 51.9 77.9

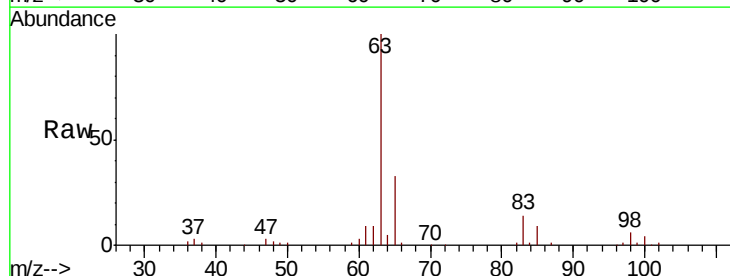


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

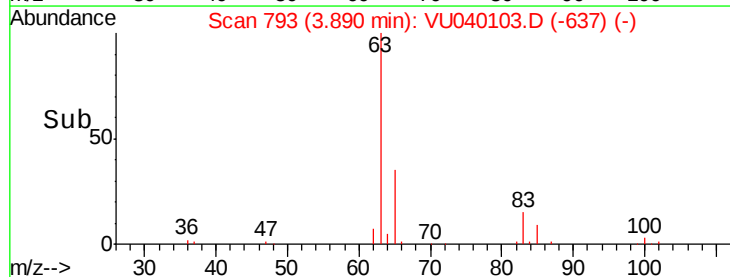
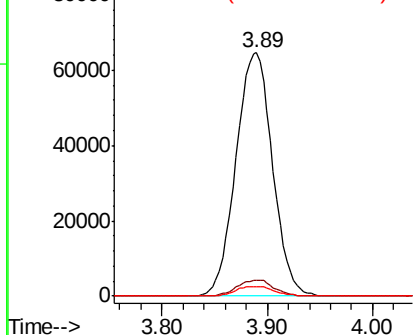


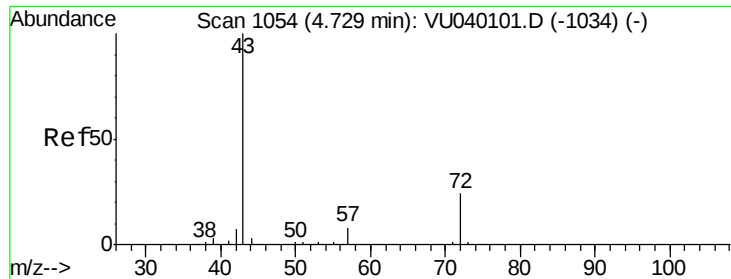
#17
1,1-Dichloroethane
Concen: 9.664 ug/l
RT: 3.89 min Scan# 793
Delta R.T. 0.00 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

Tgt Ion: 63 Resp: 155770
Ion Ratio Lower Upper
63 100
98 6.4 3.1 9.4
100 4.0 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

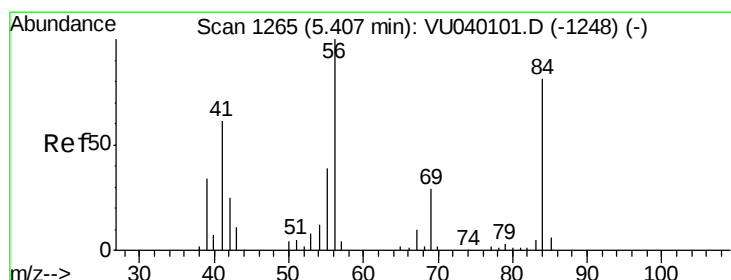
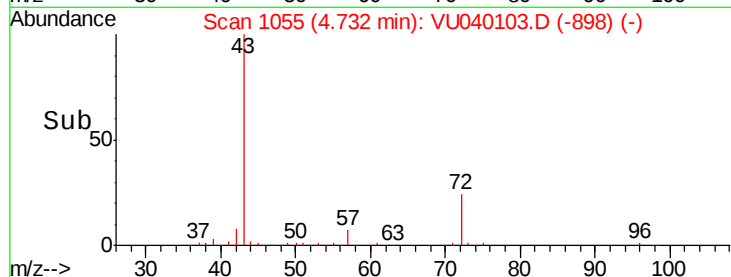
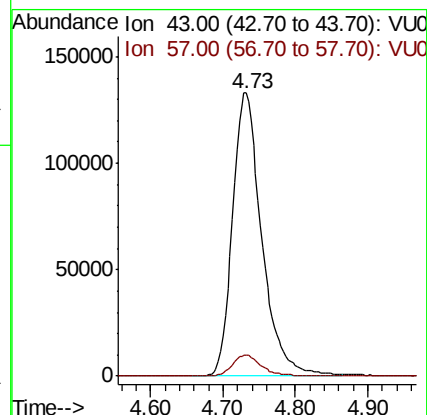
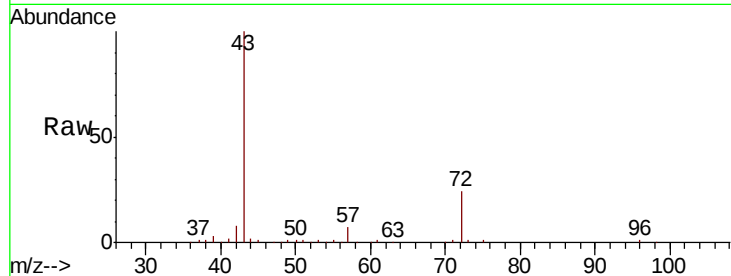




#18
2-Butanone
Concen: 53.107 ug/l
RT: 4.73 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

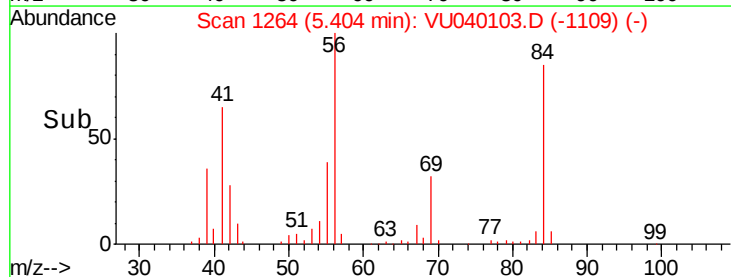
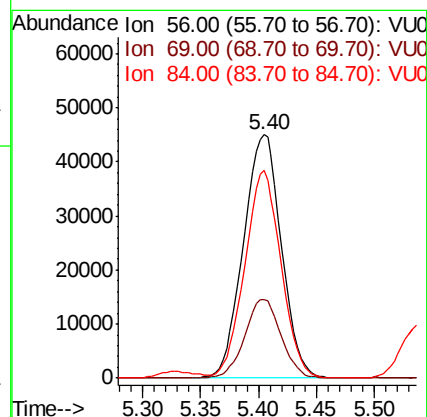
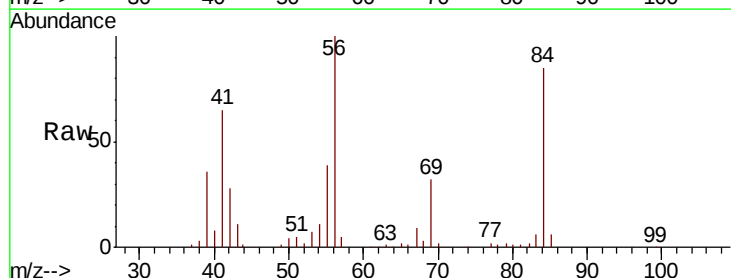
Instrument :
MSVOA_U
ClientSampled :

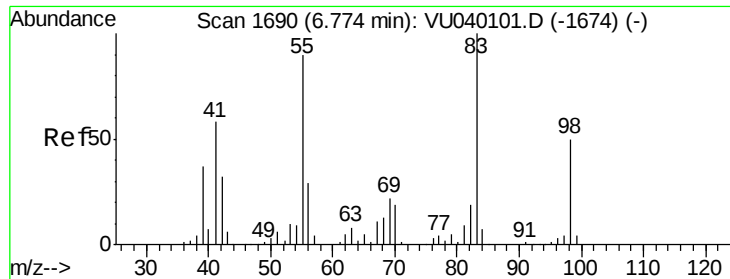
Tot Ion: 43 Resp: 371158
Ion Ratio Lower Upper
43 100
57 7.4 0.0 15.2



#19
Cyclohexane
Concen: 10.267 ug/l
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

Tgt Ion: 56 Resp: 102745
Ion Ratio Lower Upper
56 100
69 30.8 23.5 35.3
84 79.8 63.8 95.6

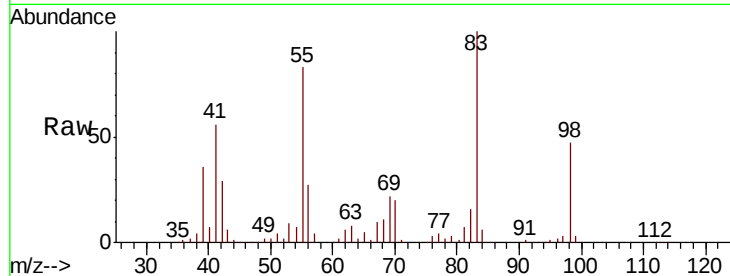




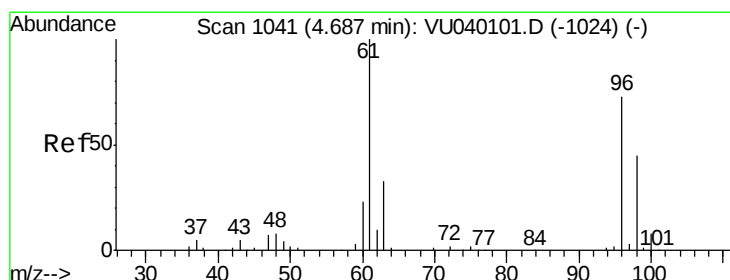
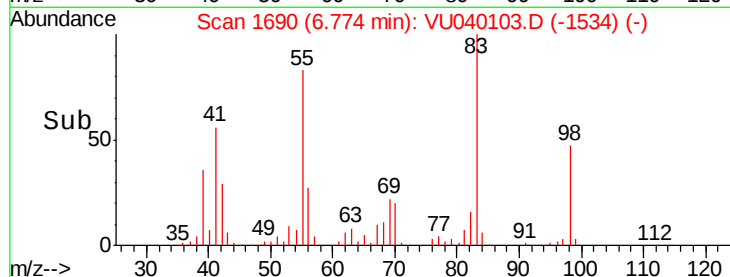
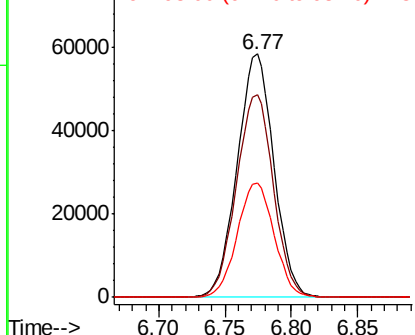
#20
Methvlcvclohexane
Concen: 11.020 ug/l
RT: 6.77 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 111728
Ion Ratio Lower Upper
83 100
55 83.9 69.4 104.2
98 47.5 37.5 56.3

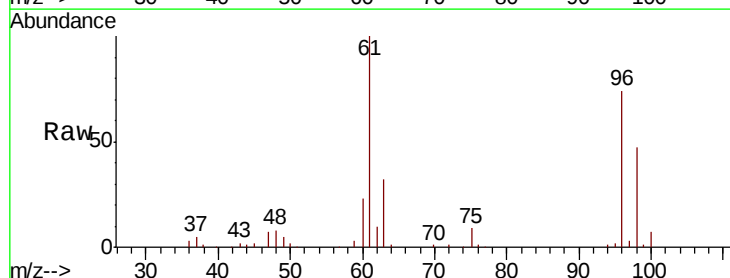


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

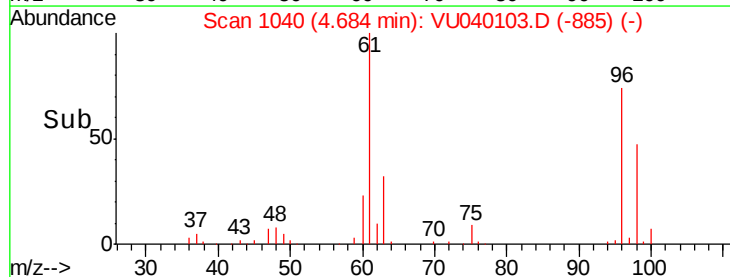
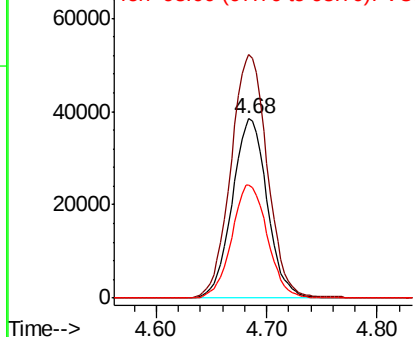


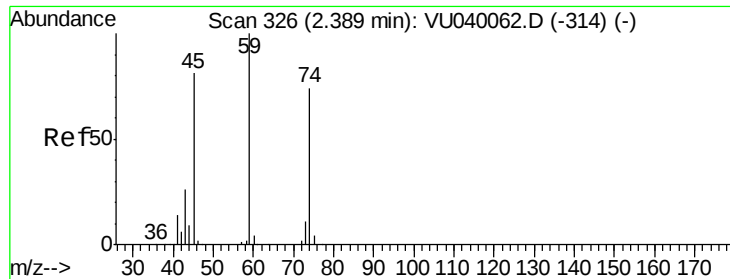
#22
cis-1,2-Dichloroethene
Concen: 10.226 ug/l
RT: 4.68 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

Tgt Ion: 96 Resp: 84607
Ion Ratio Lower Upper
96 100
61 140.9 0.0 420.0
98 64.3 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

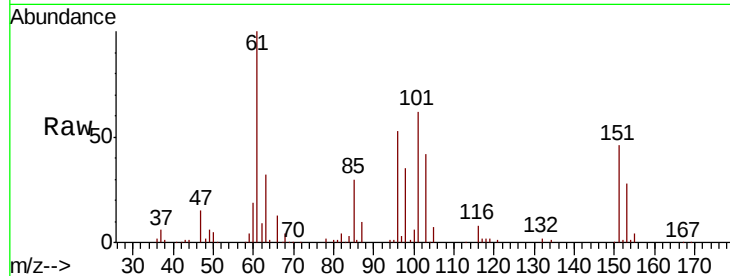




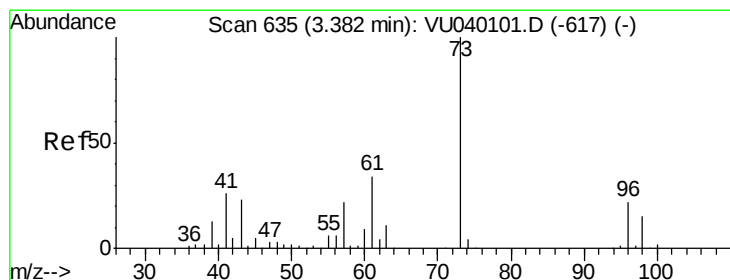
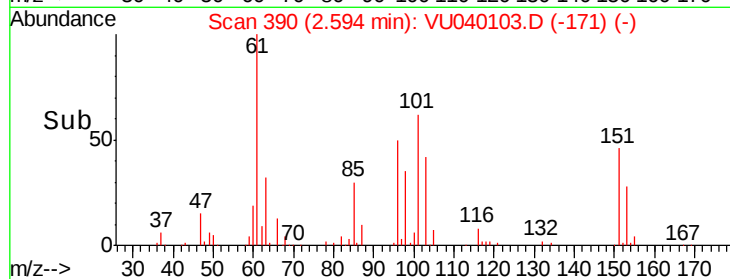
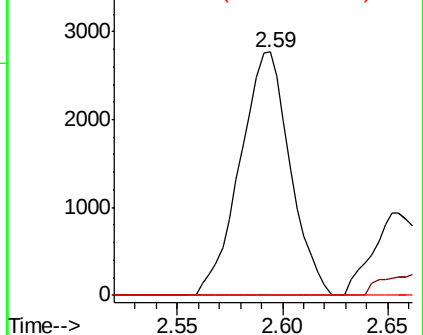
#23
Diethyl Ether
Concen: 11.596 ug/l
RT: 2.59 min Scan# 390
Delta R.T. 0.21 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 59 Resp: 4571
Ion Ratio Lower Upper
59 100
45 1.4 62.4 93.6#
74 0.0 57.7 86.5#

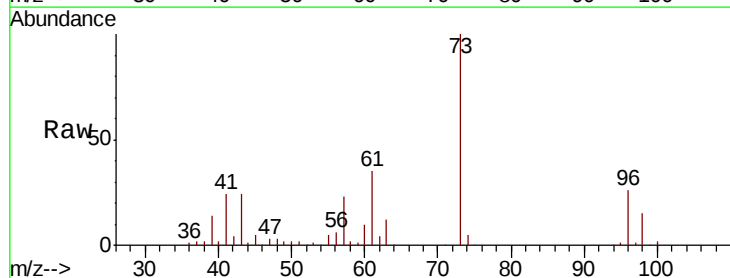


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

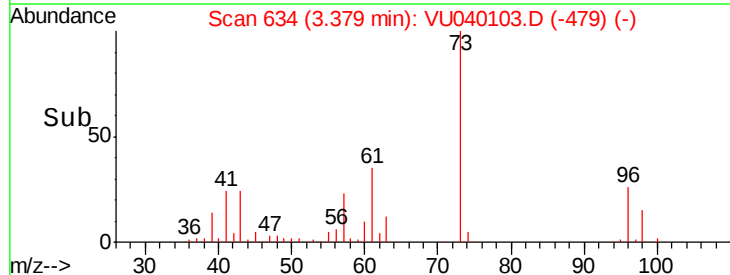
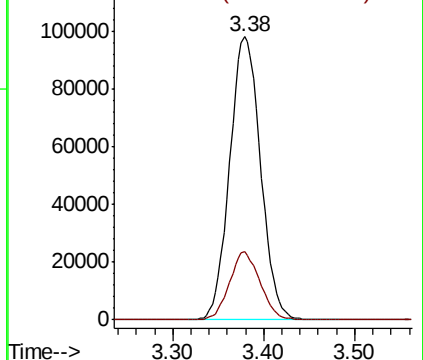


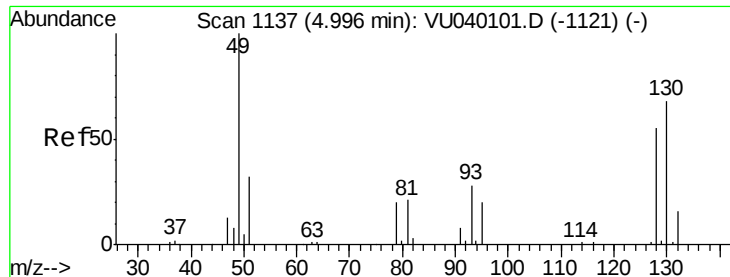
#25
Methyl tert-Butyl Ether
Concen: 10.498 ug/l
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

Tgt Ion: 73 Resp: 232189
Ion Ratio Lower Upper
73 100
43 23.8 20.0 30.0



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

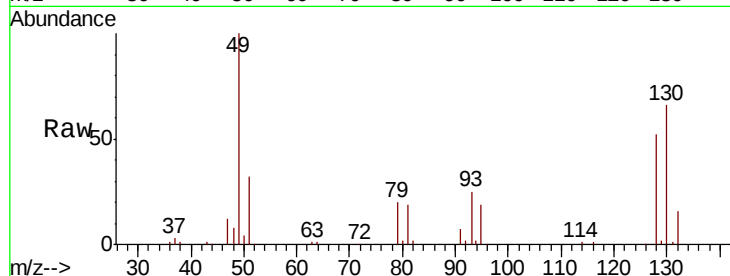




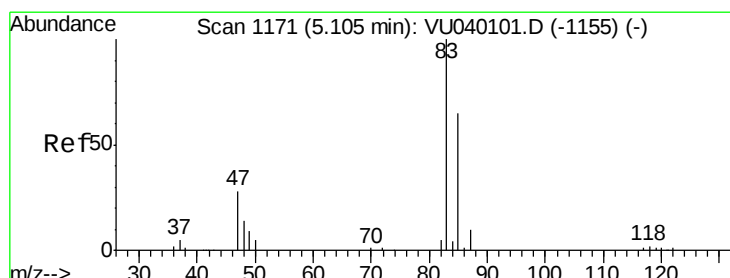
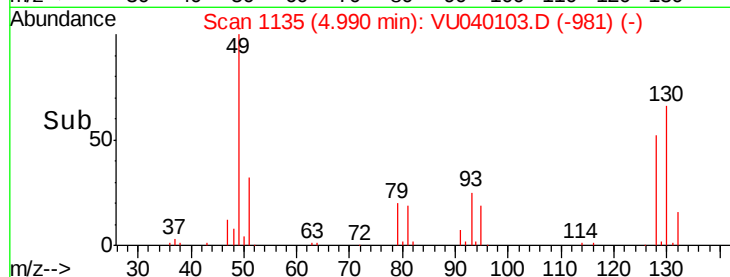
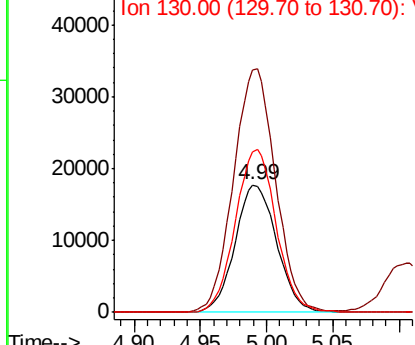
#26
Bromochloromethane
Concen: 9.636 ug/l
RT: 4.99 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 38751
Ion Ratio Lower Upper
128 100
49 192.4 0.0 390.6
130 125.5 104.9 157.3

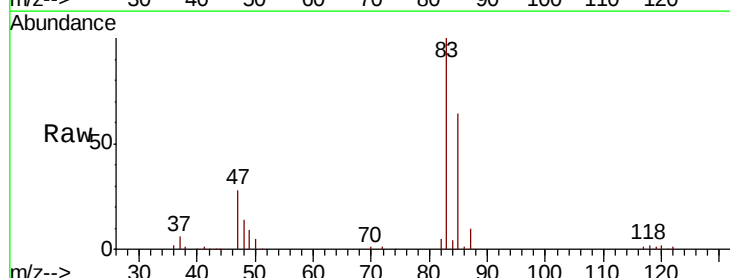


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU
Ion 130.00 (129.70 to 130.70): V

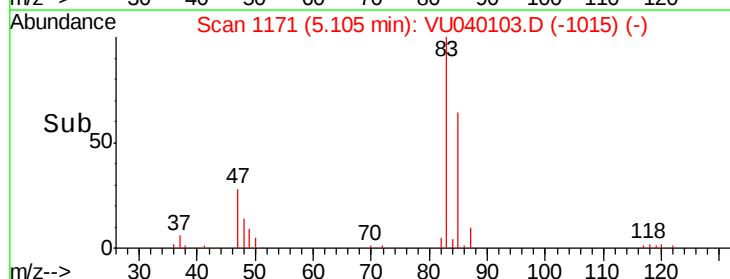
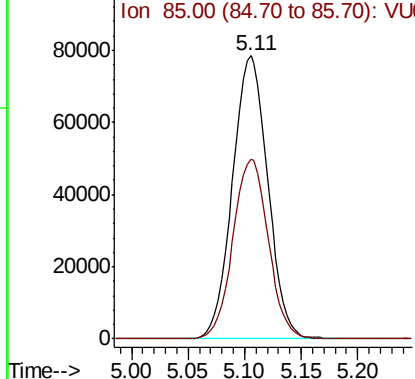


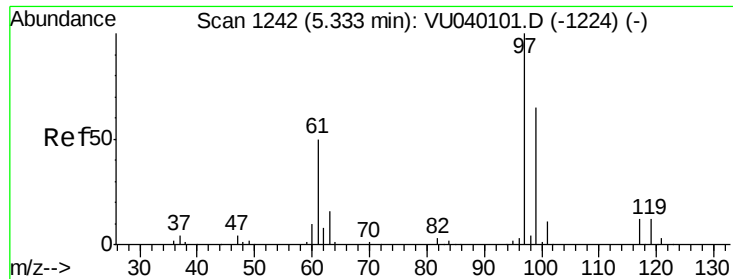
#27
Chloroform
Concen: 9.686 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

Tgt Ion: 83 Resp: 170772
Ion Ratio Lower Upper
83 100
85 63.6 0.0 132.4



Abundance Ion 83.00 (82.70 to 83.70): VU
Ion 85.00 (84.70 to 85.70): VU

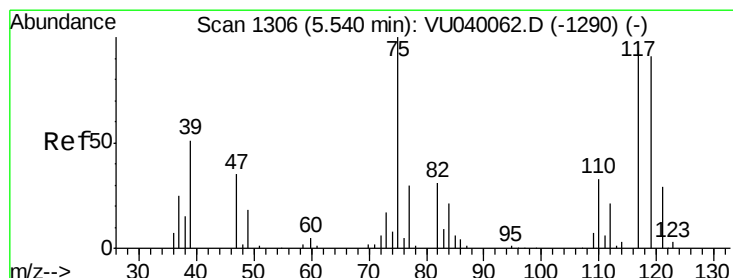
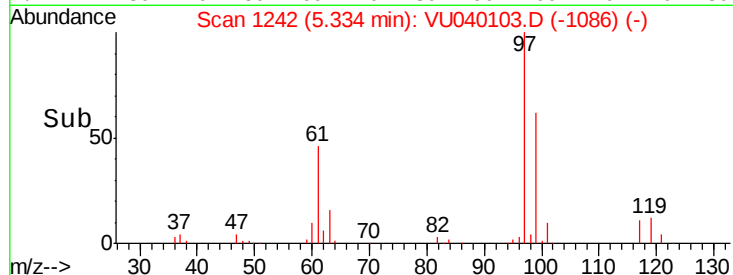
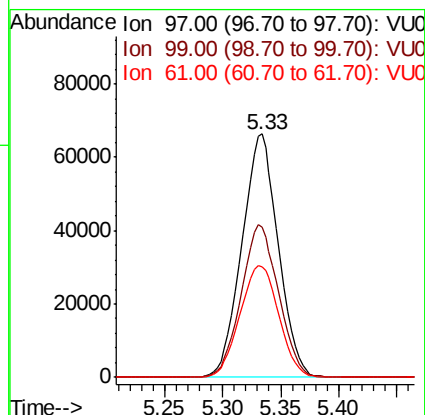
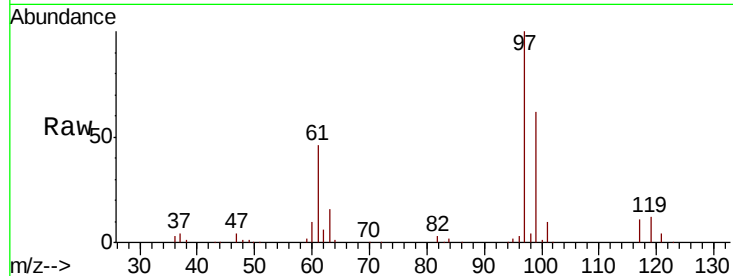




#28
 1,1,1-Trichloroethane
 Concen: 9.762 ug/l
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040103.D
 Acq: 11 Sep 2020 13:59

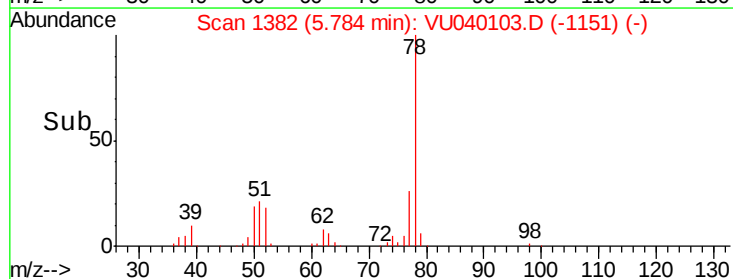
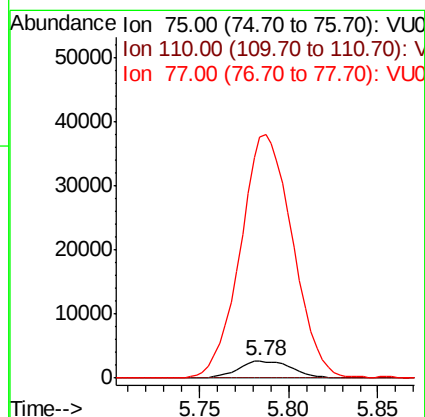
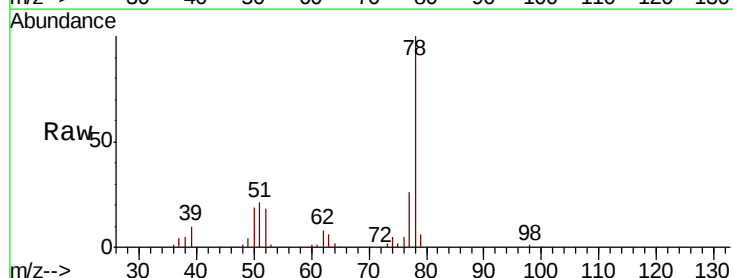
Instrument :
 MSVOA_U
 ClientSampleId :

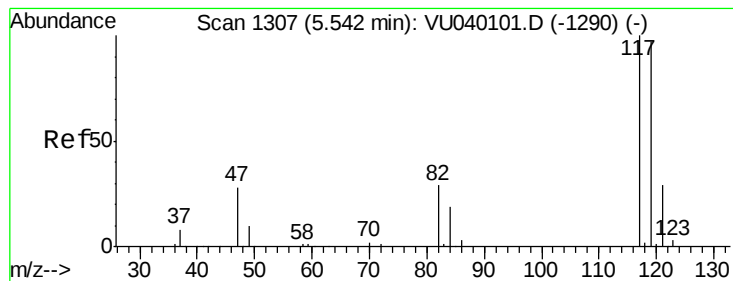
Tot Ion: 97 Resp: 144618
 Ion Ratio Lower Upper
 97 100
 99 64.3 31.8 95.4
 61 49.2 25.1 75.2



#29
 1,1-Dichloropropene
 Concen: 9.199 ug/l
 RT: 5.78 min Scan# 1382
 Delta R.T. 0.24 min
 Lab File: VU040103.D
 Acq: 11 Sep 2020 13:59

Tgt Ion: 75 Resp: 5653
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.2 48.6#
 77 1374.7 25.3 37.9#





#30

Carbon Tetrachloride

Concen: 9.735 ug/l

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

Instrument :

MSVOA_U

ClientSampled :

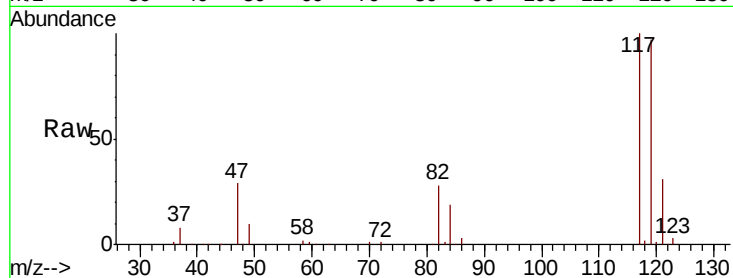
Tot Ion:117 Resp: 118465

Ion Ratio Lower Upper

117 100

119 97.4 77.0 115.4

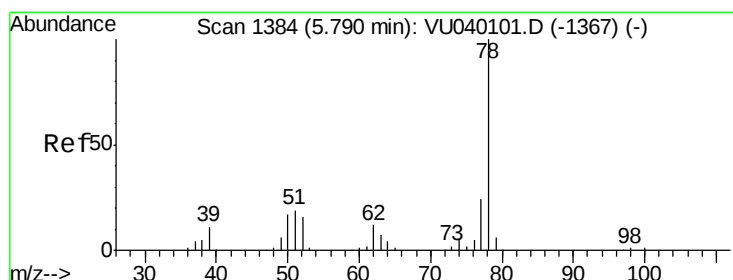
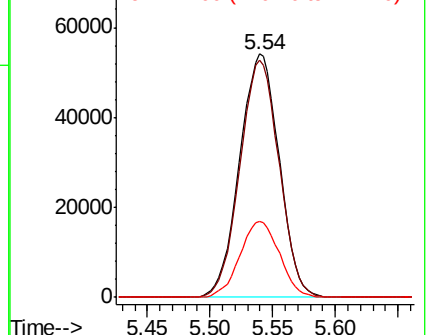
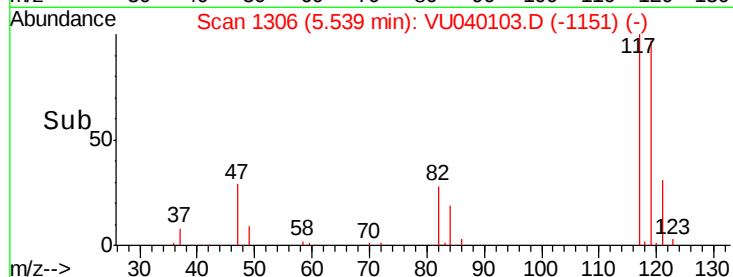
121 31.2 24.2 36.4



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: 9.945 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040103.D

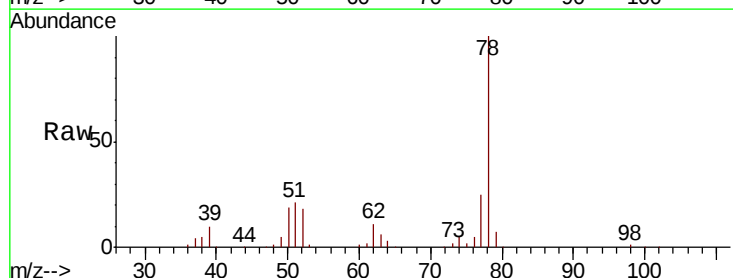
Acq: 11 Sep 2020 13:59

Tgt Ion: 78 Resp: 314511

Ion Ratio Lower Upper

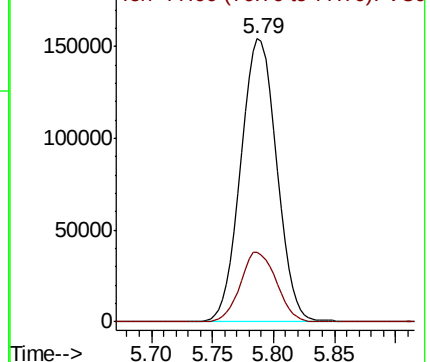
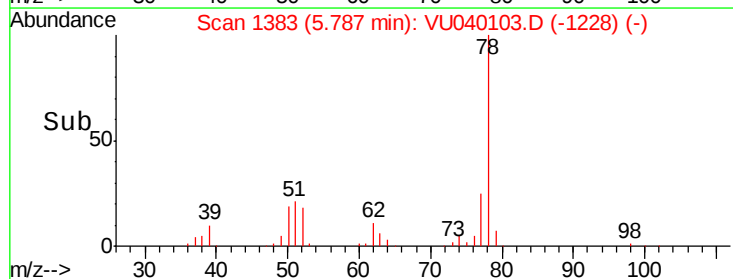
78 100

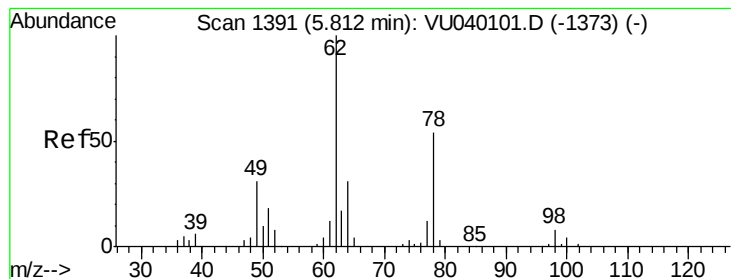
77 24.7 19.1 28.7



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0





#36

1,2-Dichloroethane

Concen: 9.573 ug/l

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

Instrument :

MSVOA_U

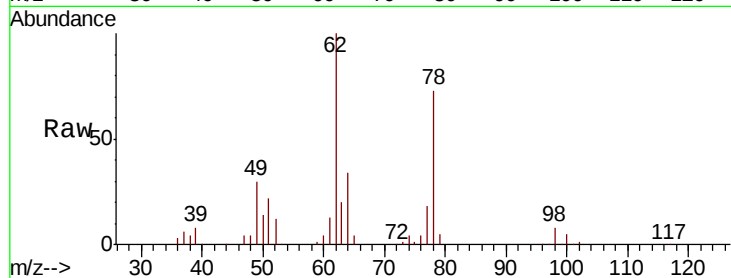
ClientSampleId :

Tot Ion: 62 Resp: 121667

Ion Ratio Lower Upper

62 100

98 7.9 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU040101.D (-1373) (-)

Ion 98.00 (97.70 to 98.70): VU040101.D (-1373) (-)

5.81

60000

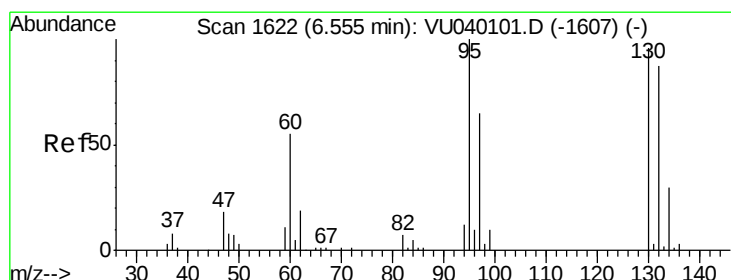
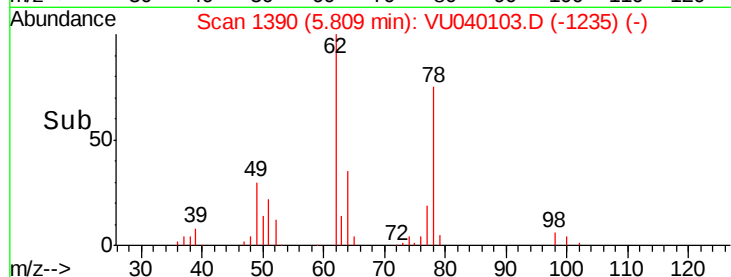
40000

20000

0

5.70 5.80 5.90

Time-->



#37

Trichloroethene

Concen: 10.110 ug/l

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040103.D

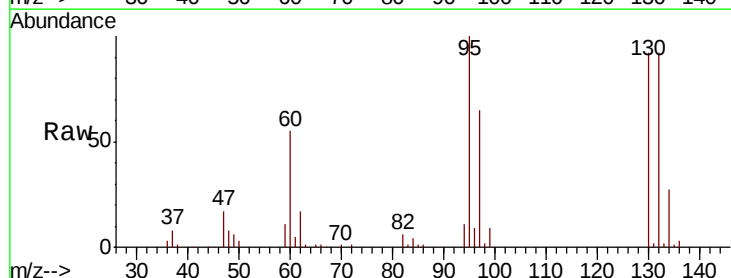
Acq: 11 Sep 2020 13:59

Tgt Ion:130 Resp: 82128

Ion Ratio Lower Upper

130 100

95 109.3 84.2 126.2



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

Ion 94.90 (94.60 to 95.60): VU040101.D (-1607) (-)

6.55

50000

40000

30000

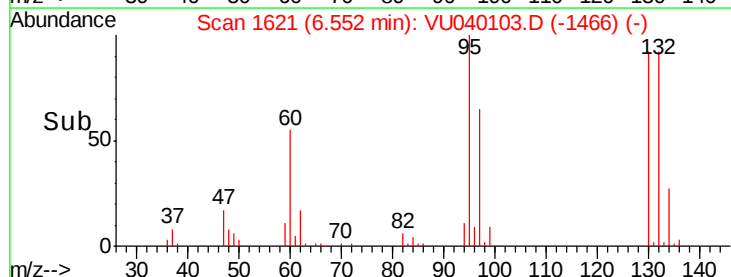
20000

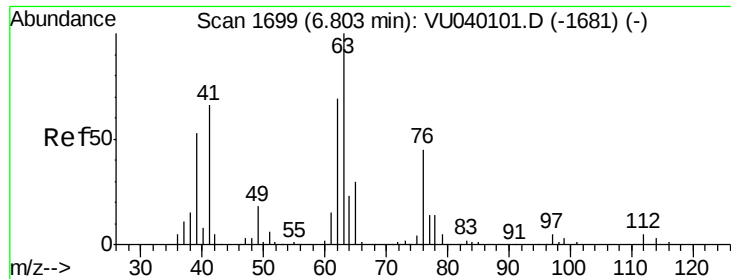
10000

0

6.45 6.50 6.55 6.60 6.65

Time-->

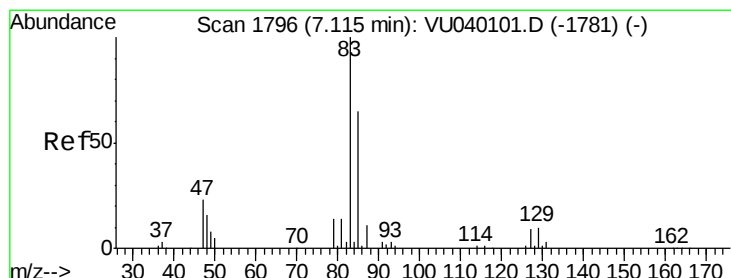
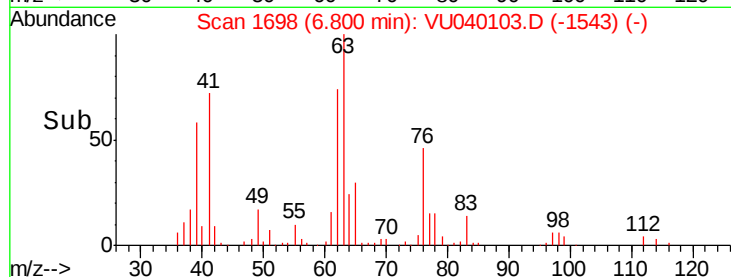
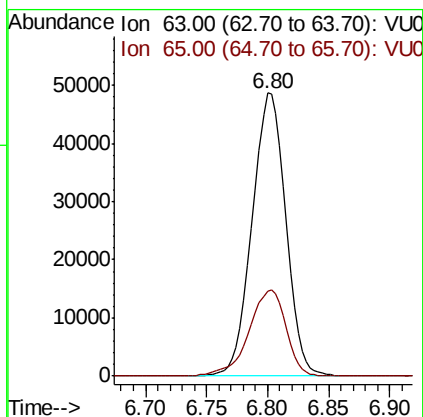
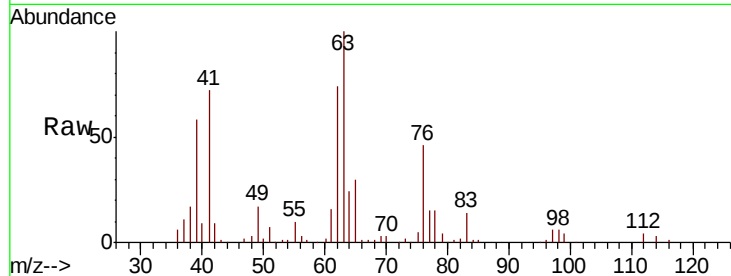




#38
 1,2-Dichloropropane
 Concen: 9.491 ug/l
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040103.D
 Acq: 11 Sep 2020 13:59

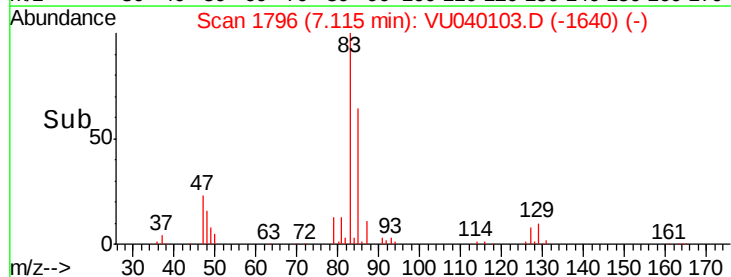
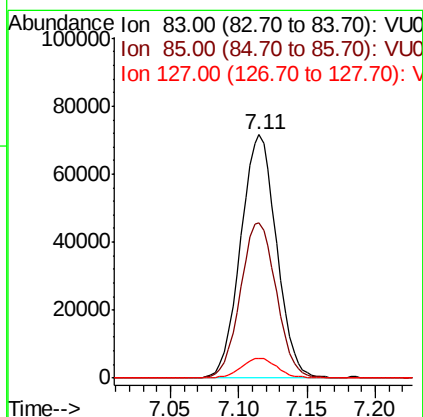
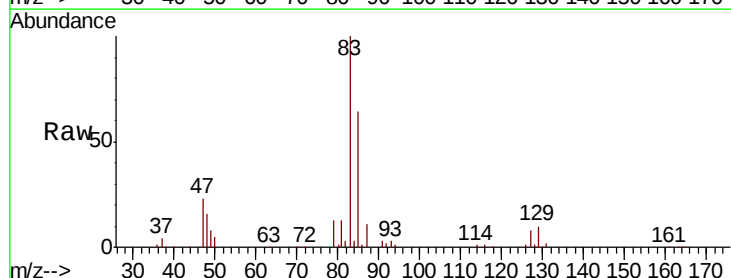
Instrument :
 MSVOA_U
 ClientSampled :

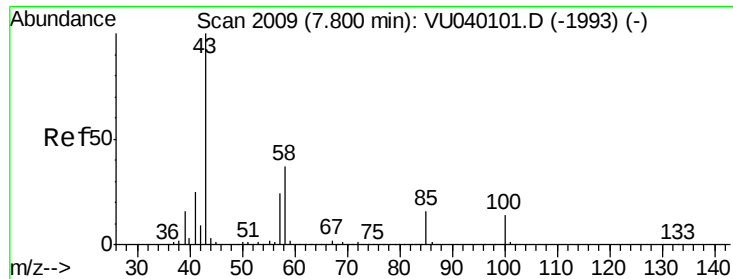
Tot Ion: 63 Resp: 92903
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.0 34.6



#44
 Bromodichloromethane
 Concen: 9.774 ug/l
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040103.D
 Acq: 11 Sep 2020 13:59

Tgt Ion: 83 Resp: 130743
 Ion Ratio Lower Upper
 83 100
 85 63.8 52.1 78.1
 127 8.2 6.6 9.8

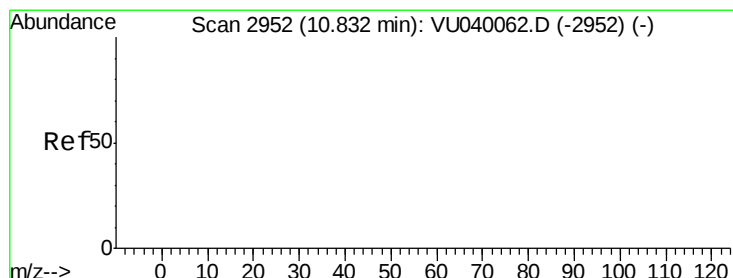
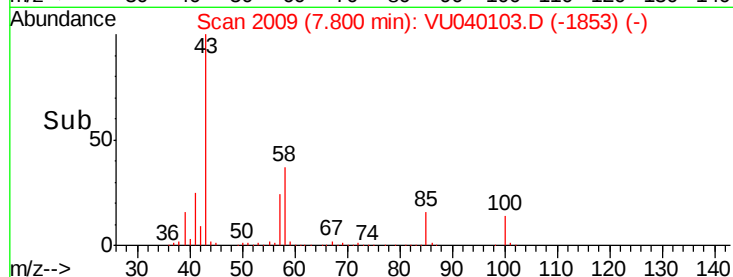
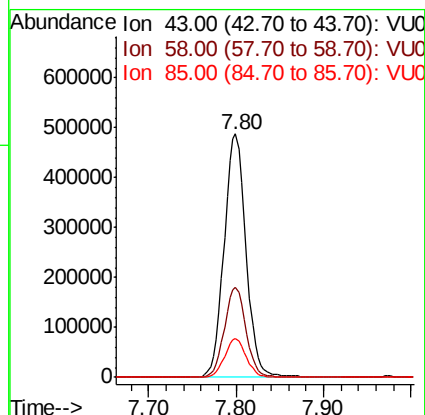
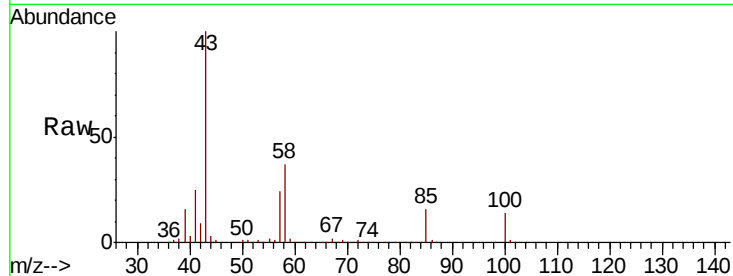




#45
4-Methyl-2-Pentanone
Concen: 53.207 ug/l
RT: 7.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

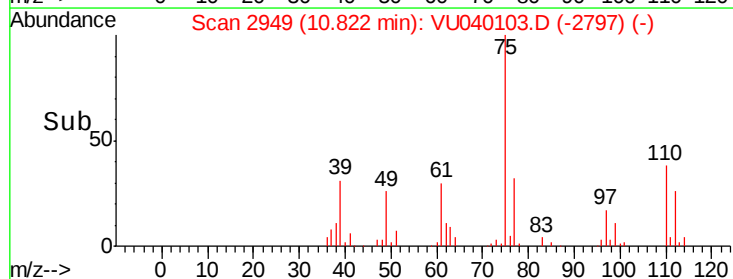
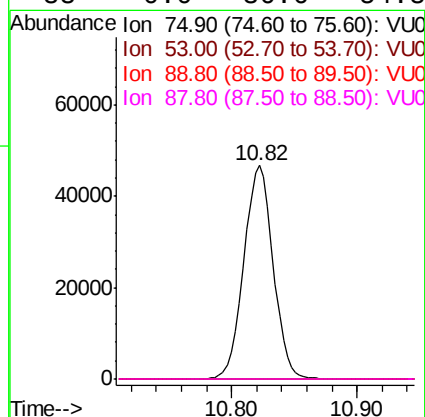
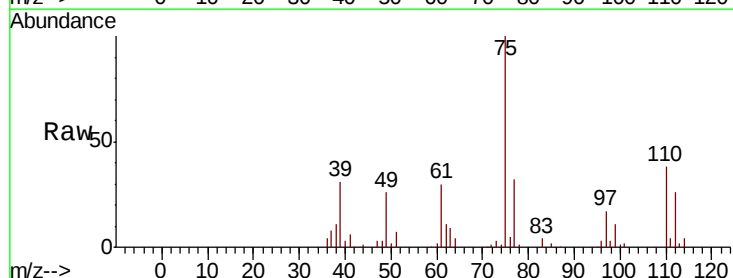
Instrument :
MSVOA_U
ClientSampleId :

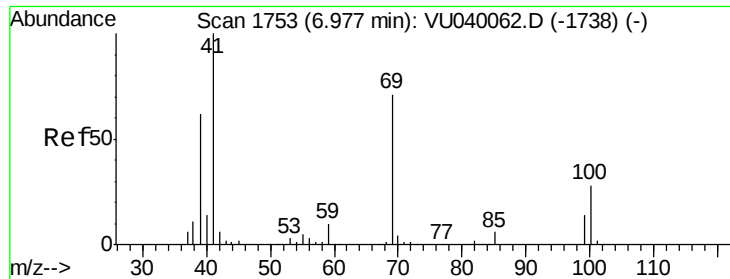
Tot Ion: 43 Resp: 848769
Ion Ratio Lower Upper
43 100
58 36.7 18.1 54.3
85 15.6 12.3 18.5



#46
t-1,4-Dichloro-2-butene
Concen: 19.732 ug/l
RT: 10.82 min Scan# 2949
Delta R.T. -0.01 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

Tgt Ion: 75 Resp: 75816
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#

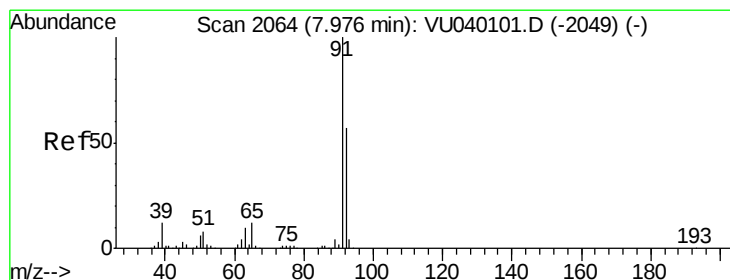
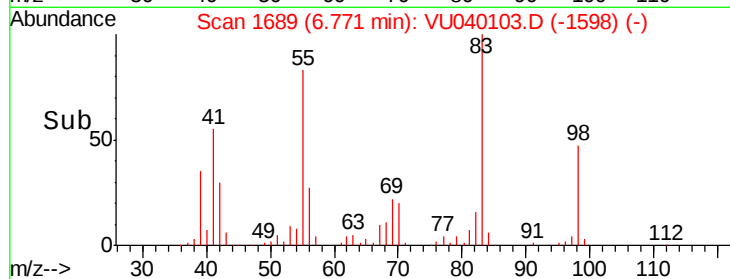
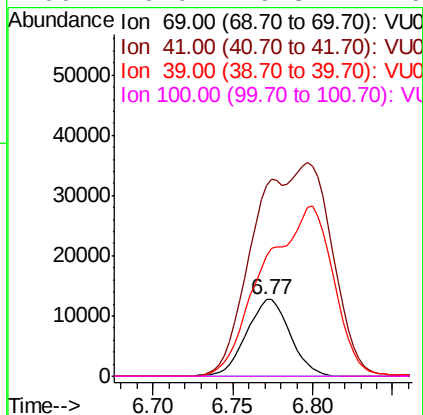
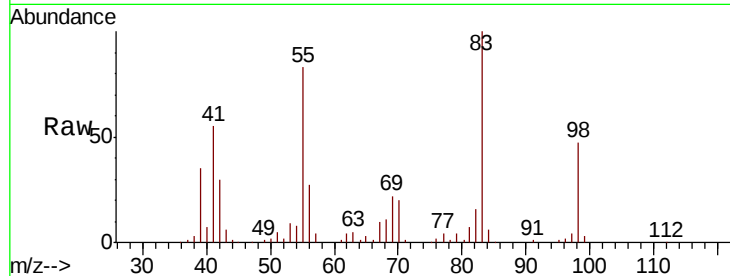




#47
Methvl methacrylate
Concen: 21.666 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.21 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

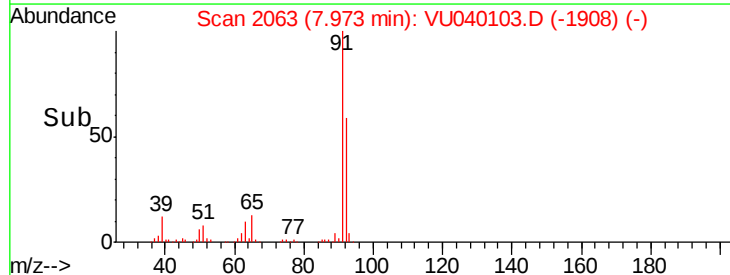
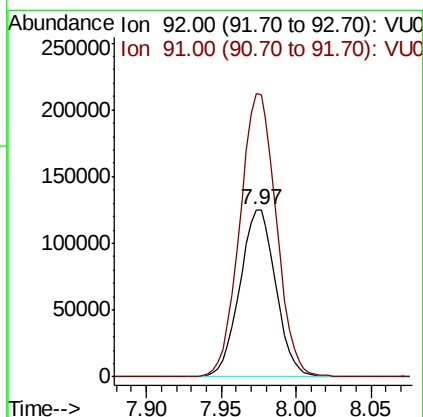
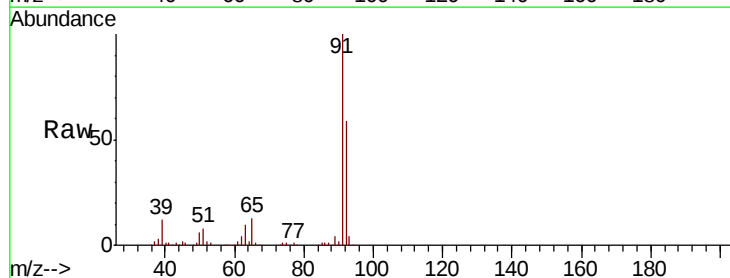
Instrument :
MSVOA_U
ClientSampled :

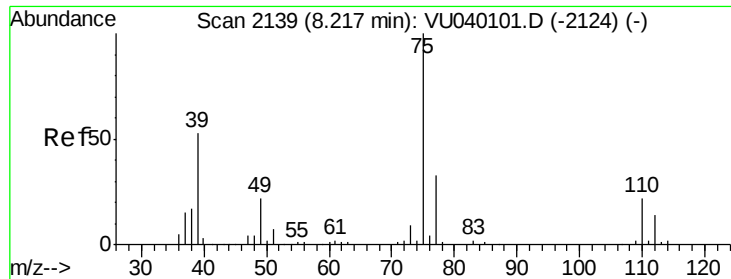
Tot Ion: 69 Resp: 23795
Ion Ratio Lower Upper
69 100
41 206.6 0.0 273.0
39 358.5 67.8 101.6#
100 0.0 29.8 44.6#



#49
Toluene
Concen: 10.426 ug/l
RT: 7.97 min Scan# 2063
Delta R.T. -0.00 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

Tgt Ion: 92 Resp: 209116
Ion Ratio Lower Upper
92 100
91 172.7 138.6 207.8





#50

t-1,3-Dichloropropene

Concen: 10.529 ug/l

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

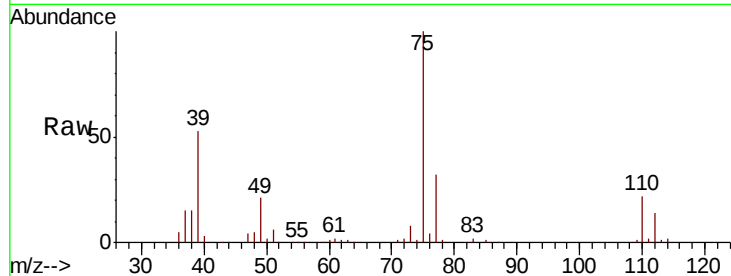
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 131945

Ion Ratio Lower Upper

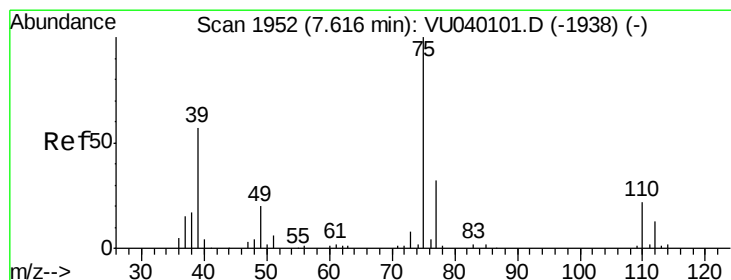
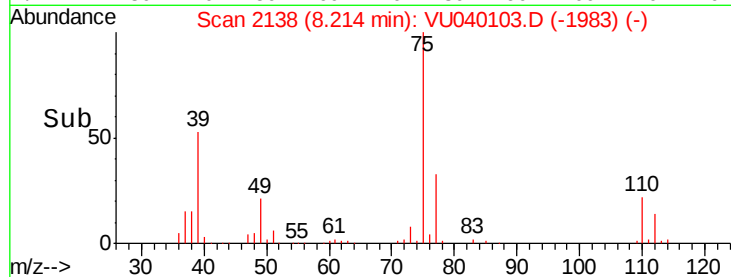
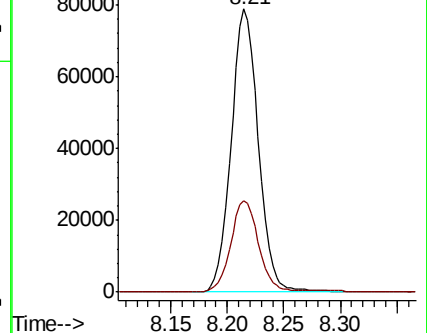
75 100

77 32.4 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU040101.D (-2124) (-)

Ion 77.00 (76.70 to 77.70): VU040101.D (-2124) (-)



#51

cis-1,3-Dichloropropene

Concen: 10.518 ug/l

RT: 7.61 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

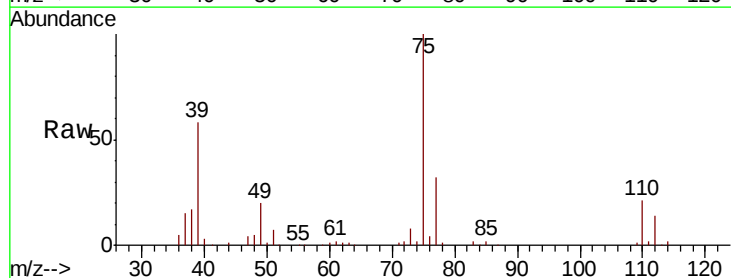
Tgt Ion: 75 Resp: 135621

Ion Ratio Lower Upper

75 100

77 32.1 24.6 37.0

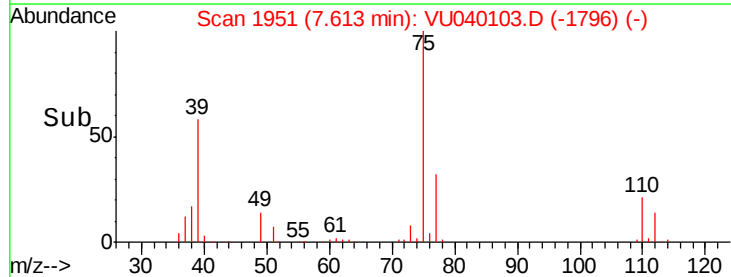
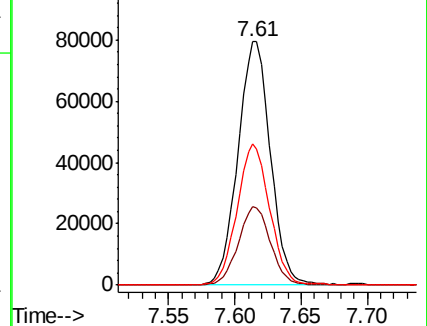
39 58.3 46.2 69.4

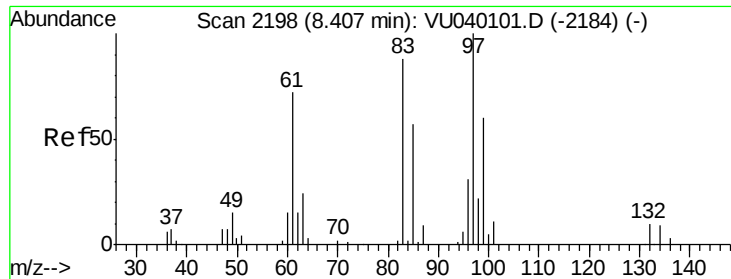


Abundance Ion 75.00 (74.70 to 75.70): VU040101.D (-1938) (-)

Ion 77.00 (76.70 to 77.70): VU040101.D (-1938) (-)

Ion 39.00 (38.70 to 39.70): VU040101.D (-1938) (-)

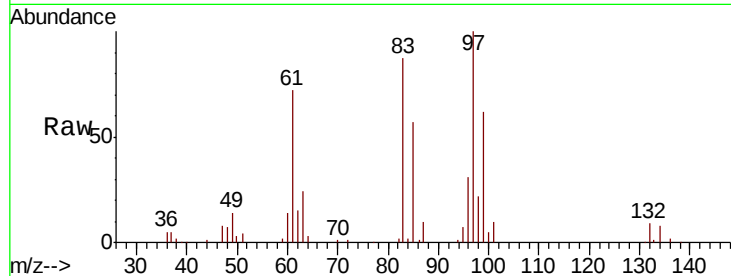




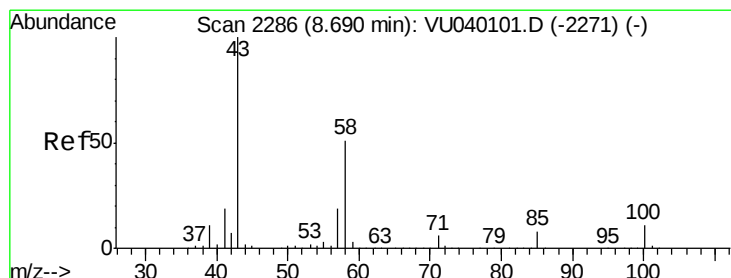
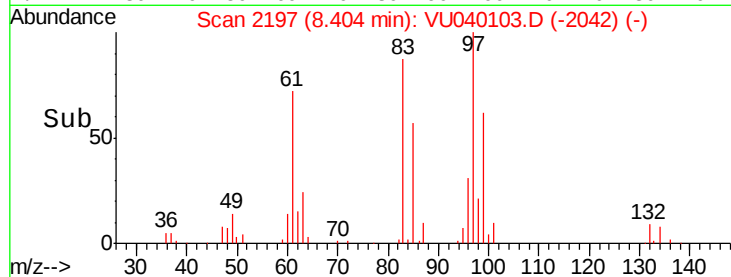
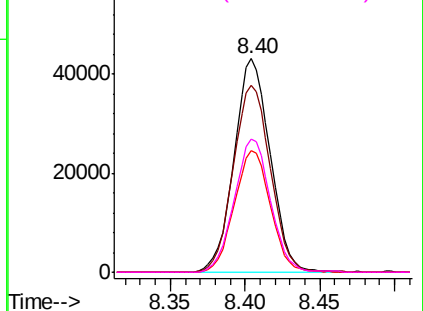
#52
 1,1,2-Trichloroethane
 Concen: 9.274 ug/l
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040103.D
 Acq: 11 Sep 2020 13:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	72112
Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.7	103.1
85	57.2	46.7	70.1
99	62.5	48.6	72.8

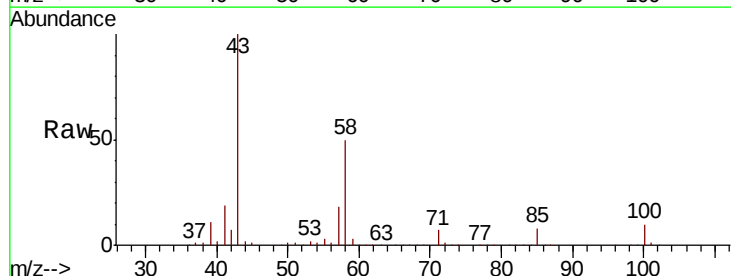


Abundance Ion 97.00 (96.70 to 97.70): VU040103.D (-2197) (-)

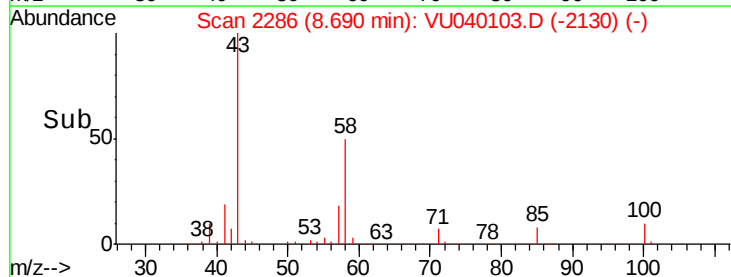
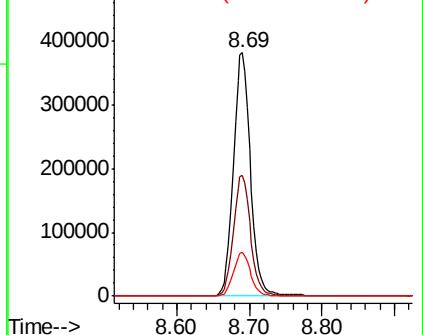


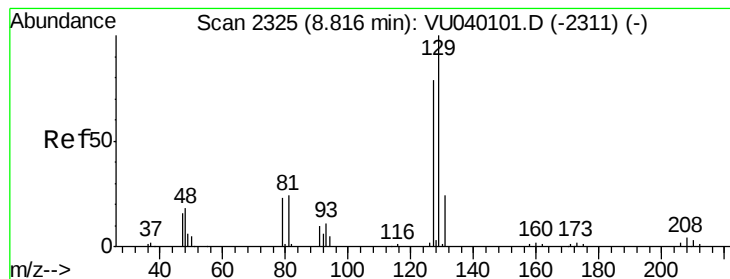
#54
 2-Hexanone
 Concen: 55.681 ug/l
 RT: 8.69 min Scan# 2286
 Delta R.T. 0.00 min
 Lab File: VU040103.D
 Acq: 11 Sep 2020 13:59

Tgt Ion:	43	Resp:	627885
Ion	Ratio	Lower	Upper
43	100		
58	50.2	29.6	69.6
57	18.1	0.0	37.8



Abundance Ion 43.00 (42.70 to 43.70): VU040103.D (-2286) (-)





#55

Dibromochloromethane

Concen: 9.660 ug/l

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

Instrument :

MSVOA_U

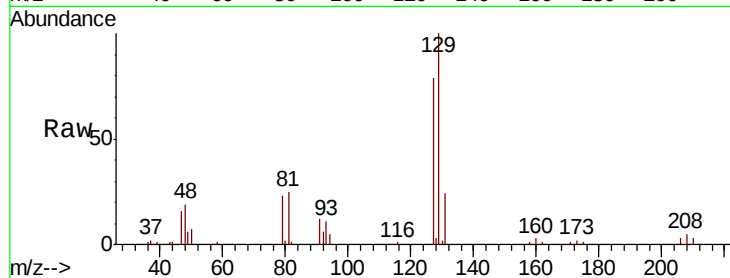
ClientSampleId :

Tot Ion:129 Resp: 86866

Ion Ratio Lower Upper

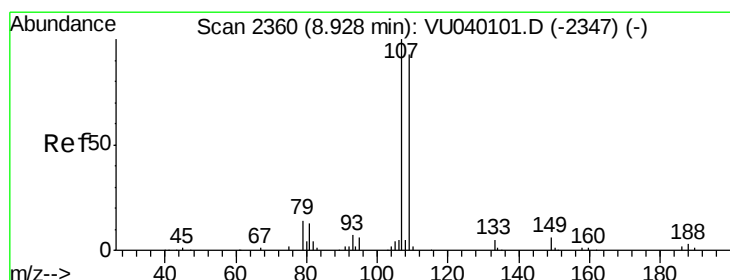
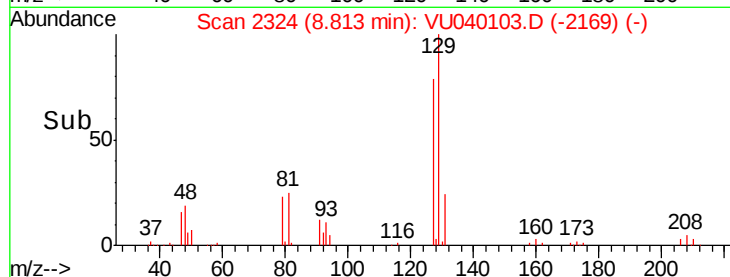
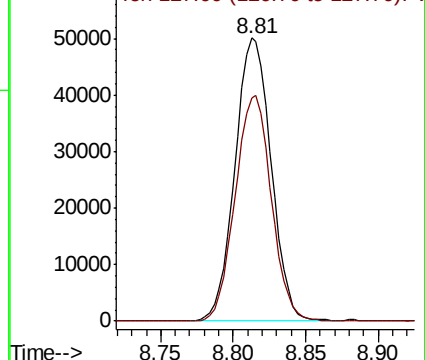
129 100

127 79.7 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: 9.572 ug/l

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU040103.D

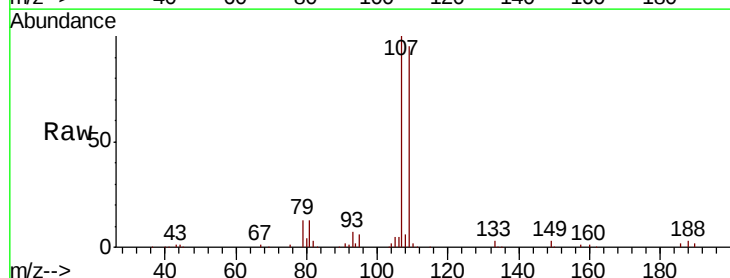
Acq: 11 Sep 2020 13:59

Tgt Ion:107 Resp: 68407

Ion Ratio Lower Upper

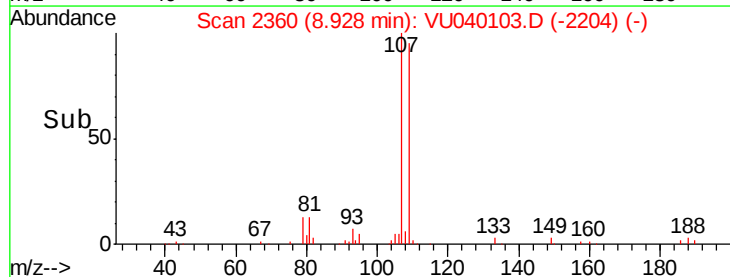
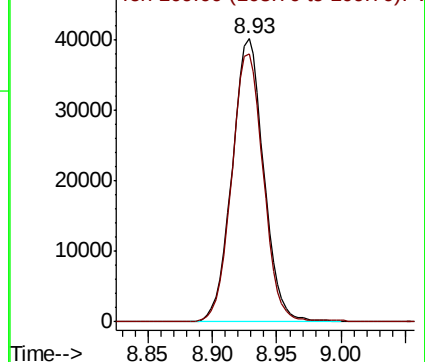
107 100

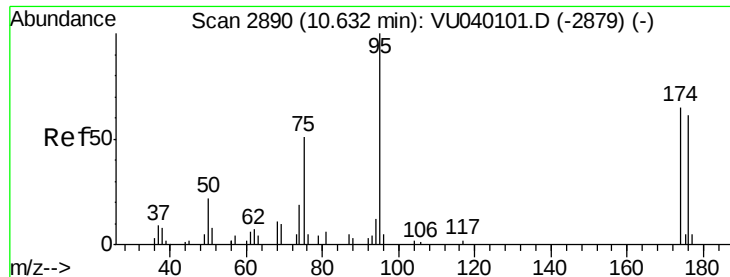
109 94.7 0.0 191.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

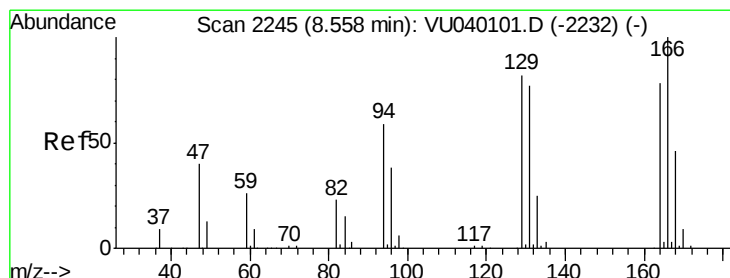
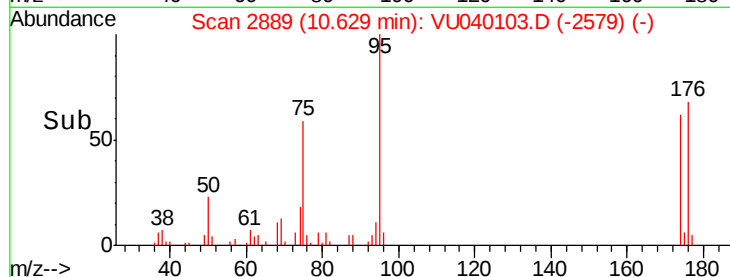
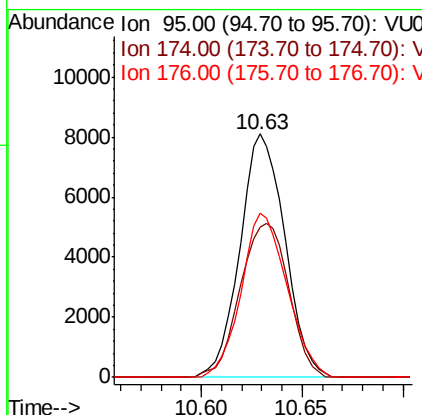
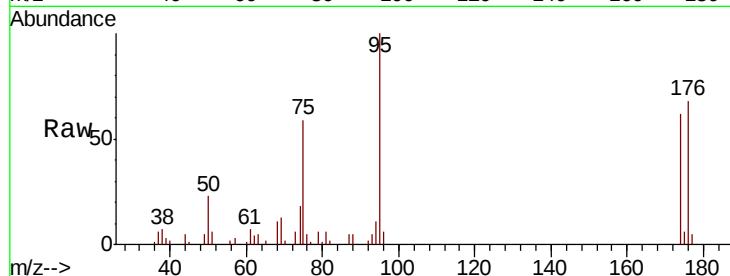




#57
 4-Bromofluorobenzene
 Concen: 0.962 ug/l
 RT: 10.63 min Scan# 2889
 Delta R.T. -0.00 min
 Lab File: VU040103.D
 Acq: 11 Sep 2020 13:59

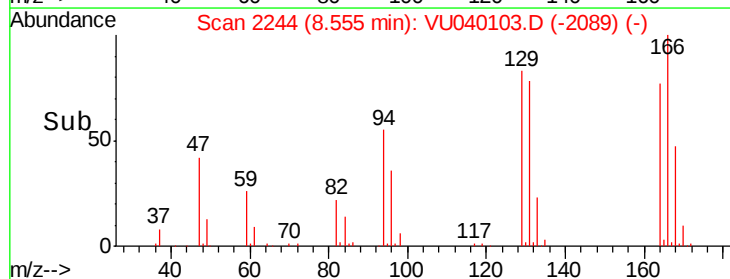
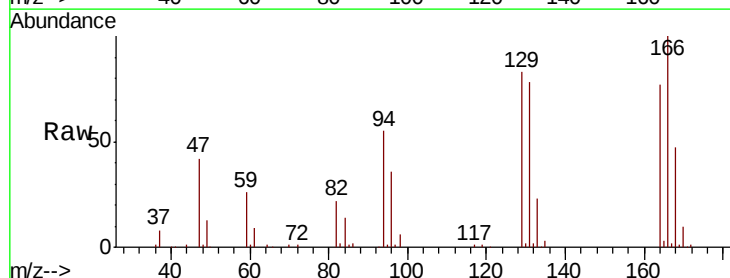
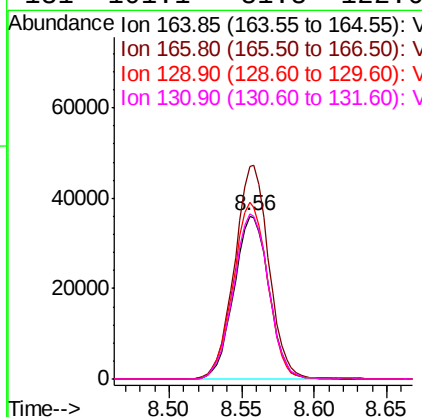
Instrument :
 MSVOA_U
 ClientSampled :

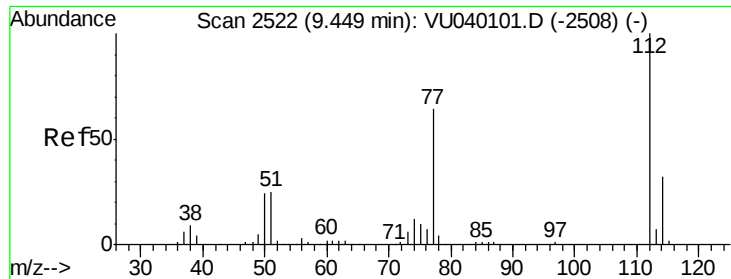
Tot Ion: 95 Resp: 12647
 Ion Ratio Lower Upper
 95 100
 174 68.2 49.4 74.0
 176 68.7 50.1 75.1



#58
 Tetrachloroethene
 Concen: 9.981 ug/l
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040103.D
 Acq: 11 Sep 2020 13:59

Tgt Ion: 164 Resp: 60276
 Ion Ratio Lower Upper
 164 100
 166 130.3 101.3 151.9
 129 108.5 84.8 127.2
 131 101.1 81.8 122.6





#59

Chlorobenzene

Concen: 10.087 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

Instrument :

MSVOA_U

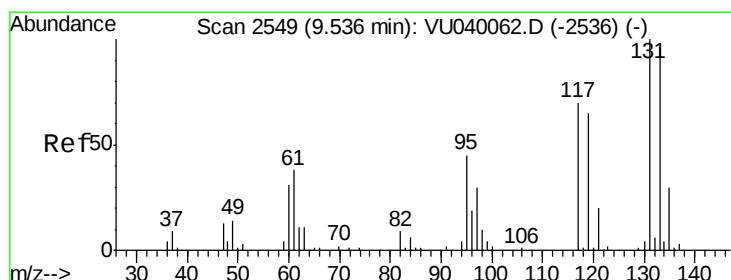
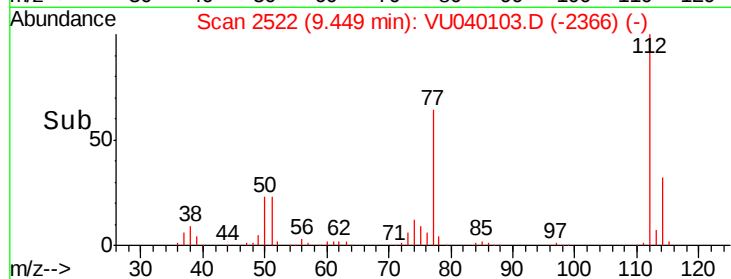
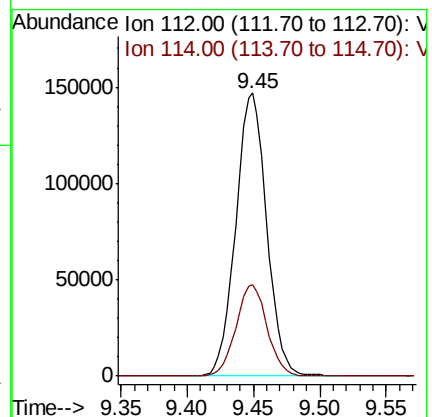
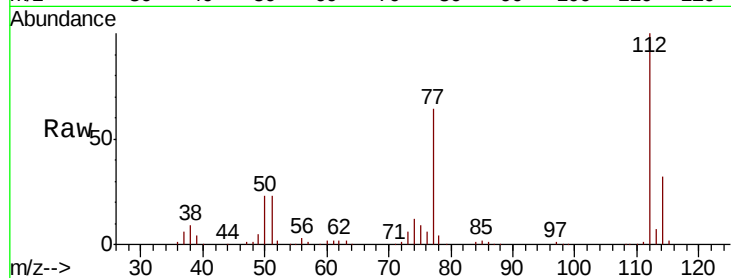
ClientSampleId :

Tot Ion:112 Resp: 237909

Ion Ratio Lower Upper

112 100

114 32.3 24.8 37.2



#60

1,1,1,2-Tetrachloroethane

Concen: 11.807 ug/l

RT: 9.53 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

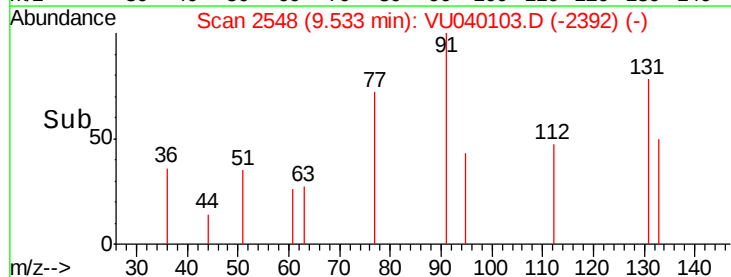
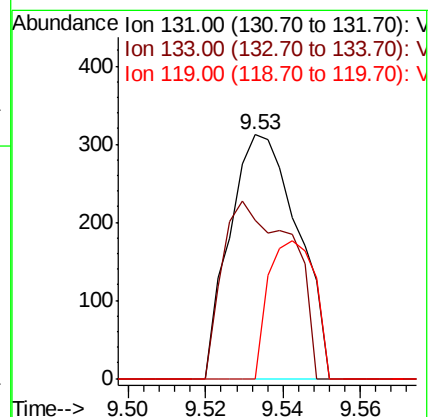
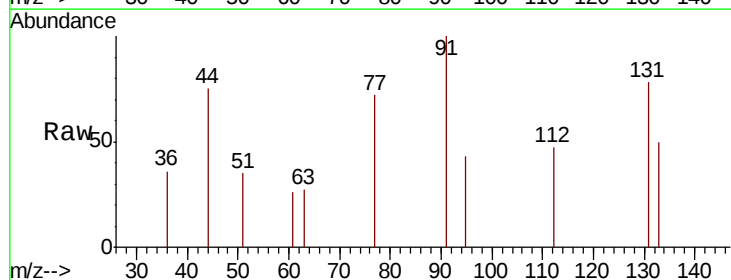
Tgt Ion:131 Resp: 380

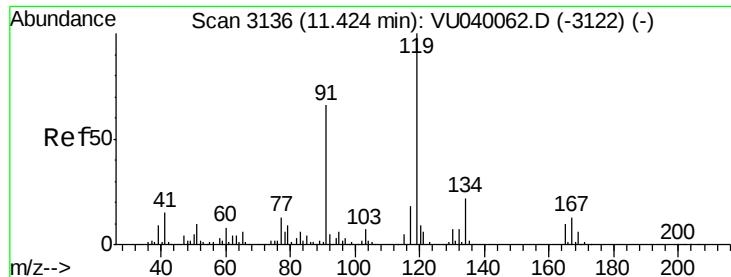
Ion Ratio Lower Upper

131 100

133 73.7 75.4 113.2#

119 38.9 51.5 77.3#

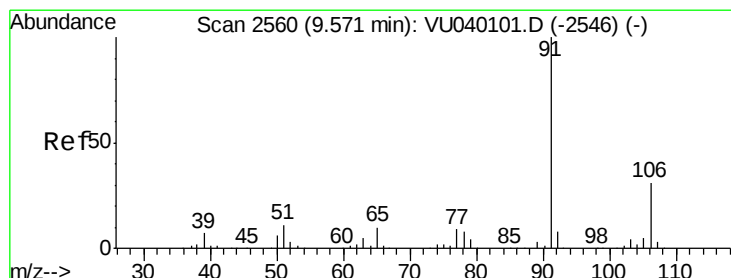
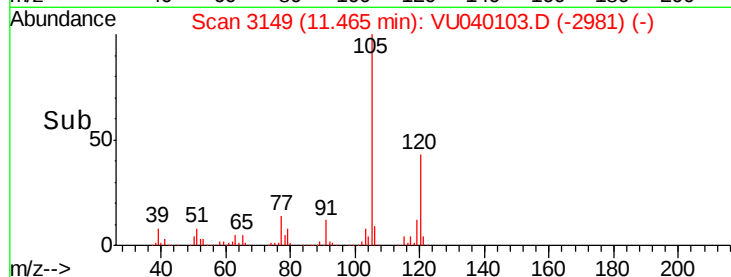
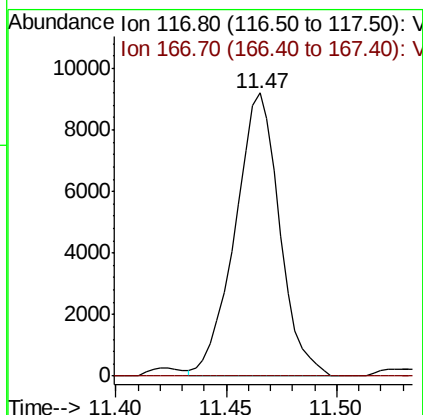
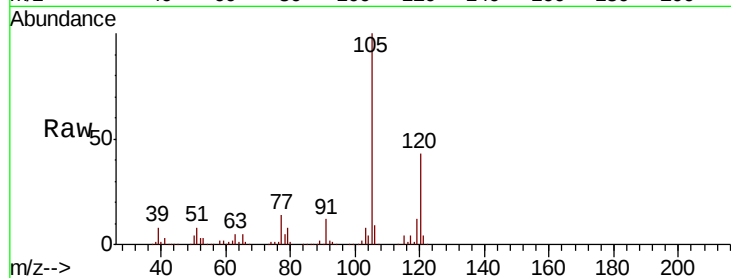




#61
 Pentachloroethane
 Concen: 10.397 ug/l
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.04 min
 Lab File: VU040103.D
 Acq: 11 Sep 2020 13:59

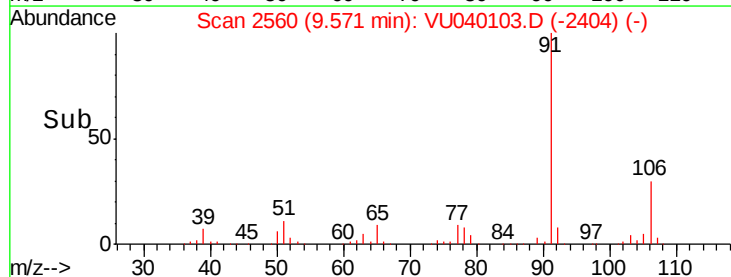
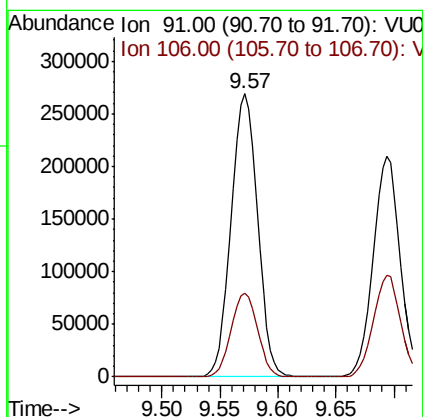
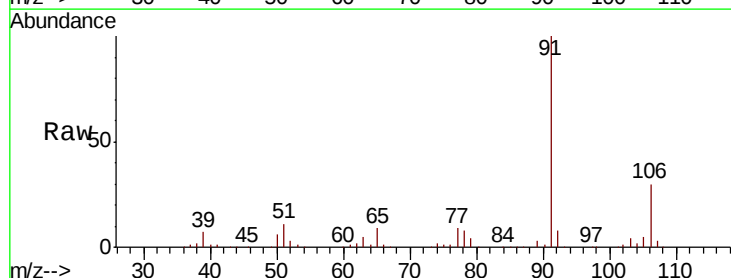
Instrument :
 MSVOA_U
 ClientSampled :

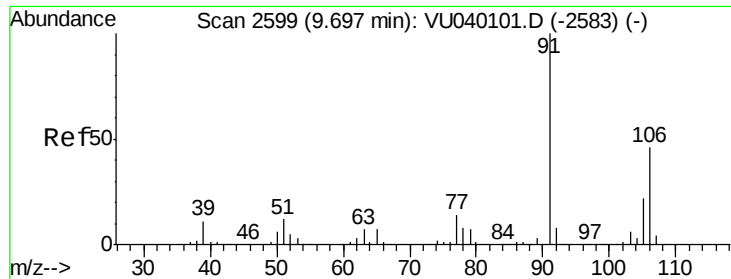
Tot Ion:117 Resp: 12951
 Ion Ratio Lower Upper
 117 100
 167 0.0 54.5 81.7#



#63
 Ethyl Benzene
 Concen: 10.832 ug/l
 RT: 9.57 min Scan# 2560
 Delta R.T. 0.00 min
 Lab File: VU040103.D
 Acq: 11 Sep 2020 13:59

Tgt Ion: 91 Resp: 424244
 Ion Ratio Lower Upper
 91 100
 106 29.8 23.8 35.8





#64

m/p-Xylenes

Concen: 21.407 ug/l

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

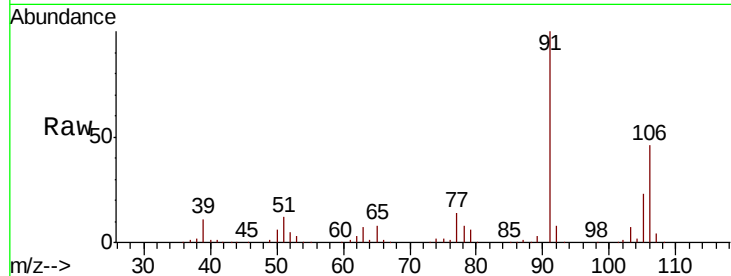
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 159241

Ion Ratio Lower Upper

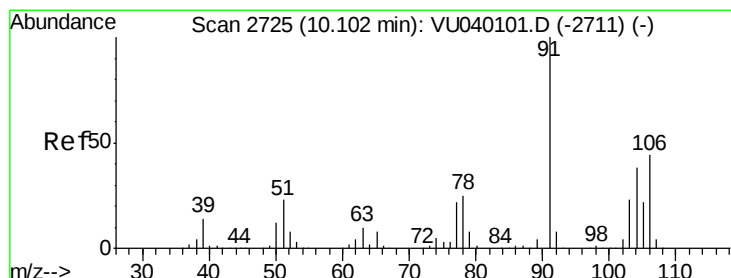
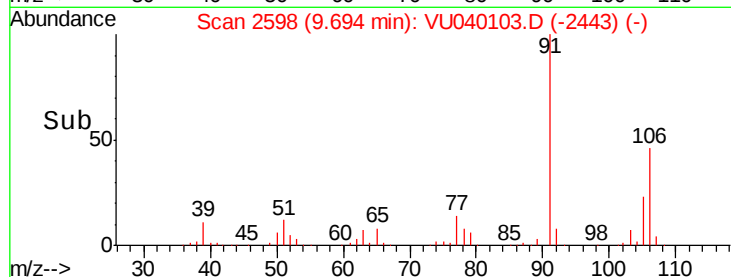
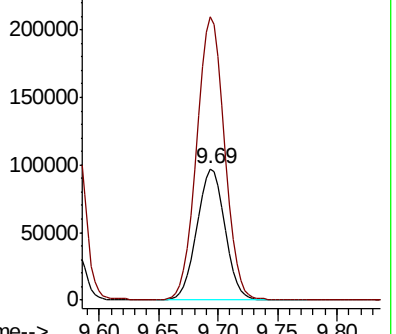
106 100

91 214.5 171.4 257.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

o-Xylene

Concen: 11.083 ug/l

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040103.D

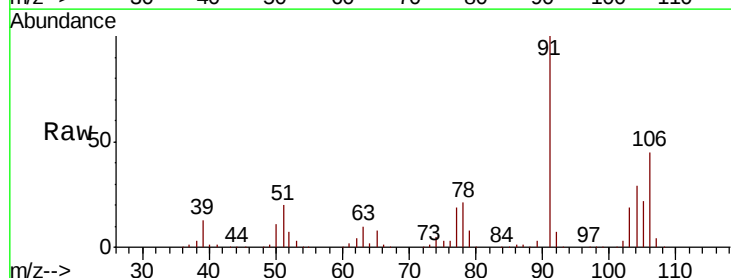
Acq: 11 Sep 2020 13:59

Tgt Ion:106 Resp: 158182

Ion Ratio Lower Upper

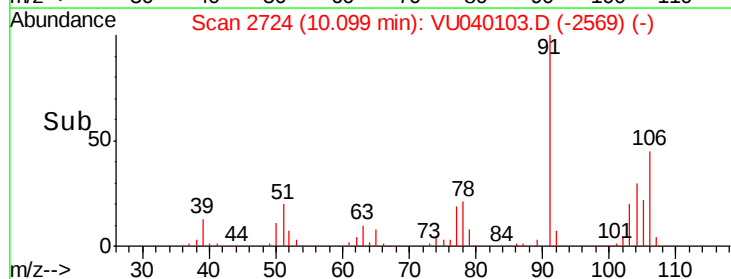
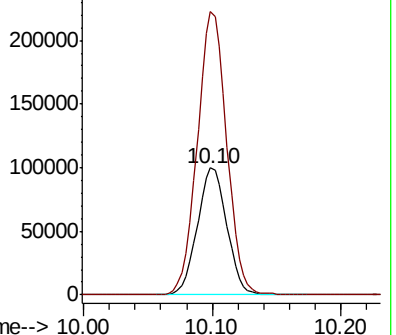
106 100

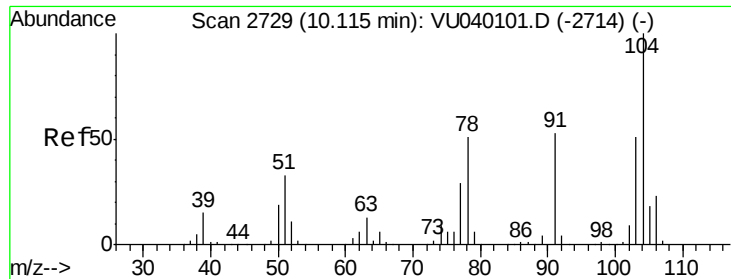
91 222.4 114.2 342.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

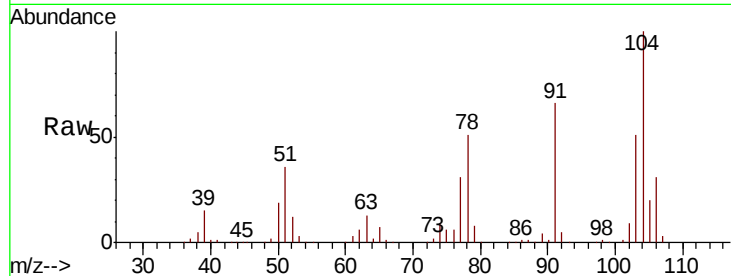




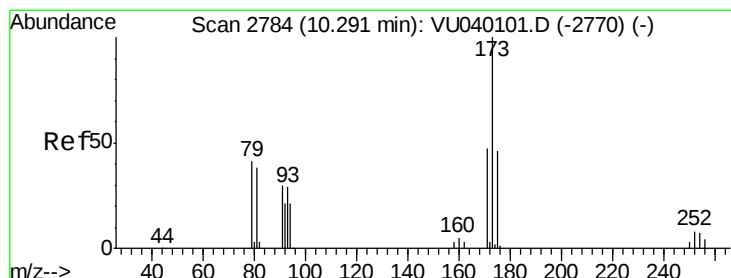
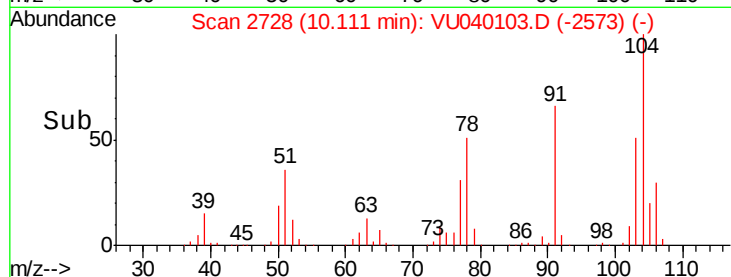
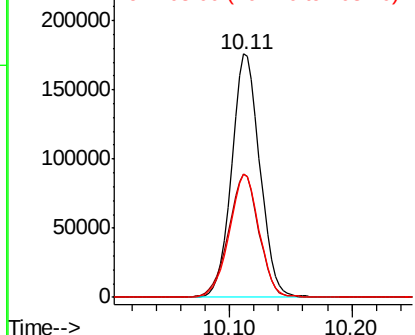
#66
Stvrene
Concen: 11.105 ug/l
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:104 Resp: 282923
Ion Ratio Lower Upper
104 100
78 54.7 43.9 65.9
103 53.8 43.7 65.5

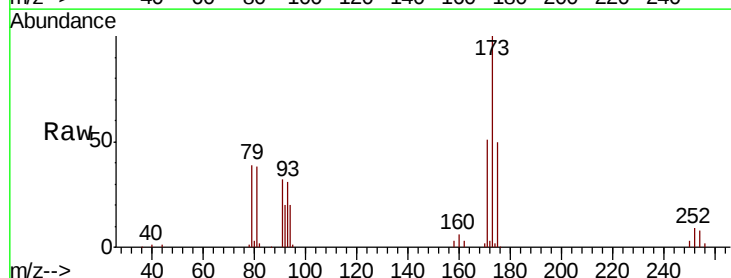


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

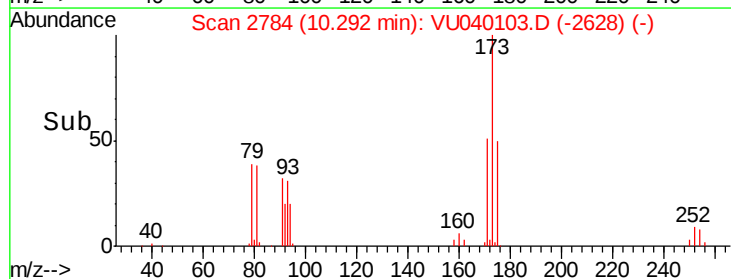
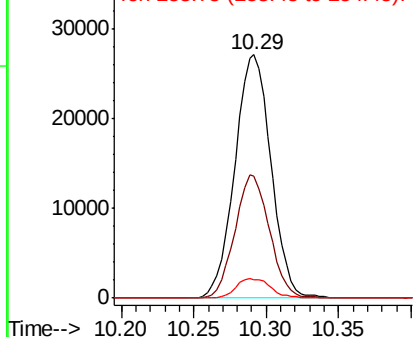


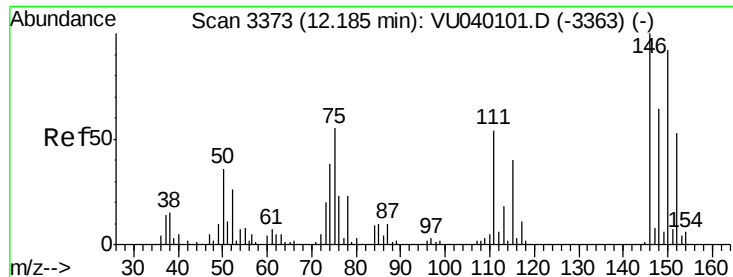
#67
Bromoform
Concen: 9.987 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

Tgt Ion:173 Resp: 47030
Ion Ratio Lower Upper
173 100
175 48.2 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: 1.075 ug/l

RT: 12.19 min Scan# 3374

Delta R.T. 0.00 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

Instrument :

MSVOA_U

ClientSampleId :

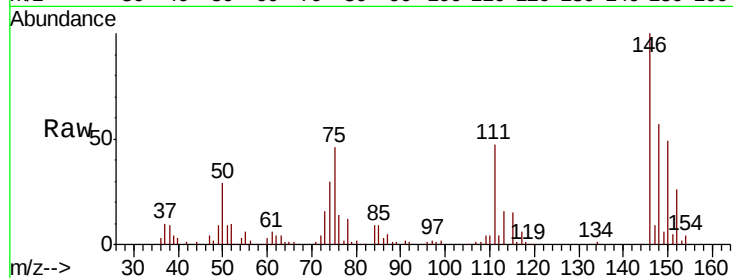
Tot Ion:152 Resp: 12707

Ion Ratio Lower Upper

152 100

115 63.0 0.0 309.0

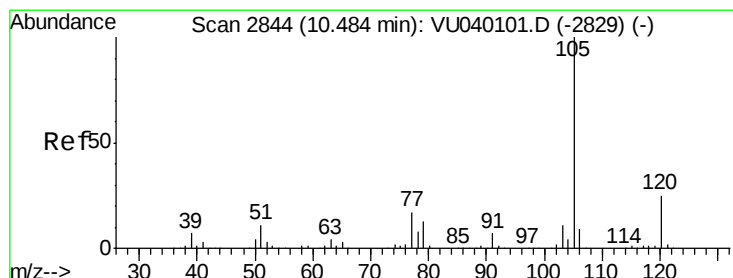
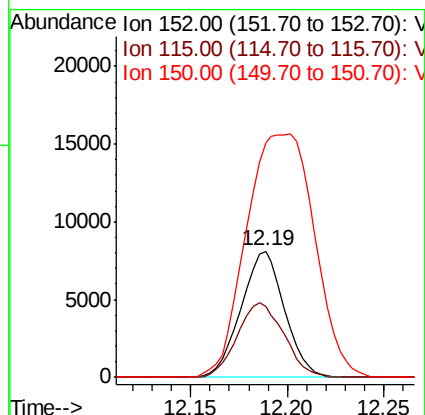
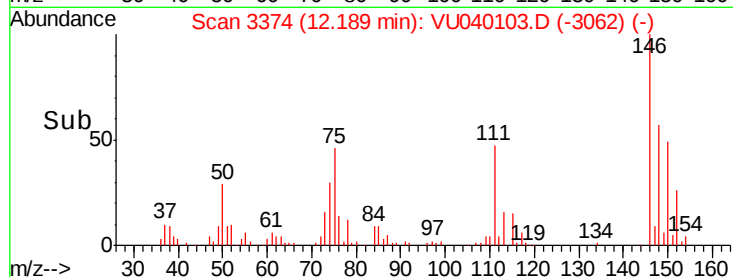
150 301.0 0.0 658.2



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: 11.038 ug/l

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040103.D

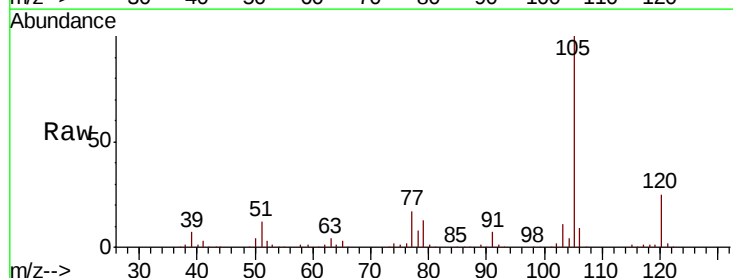
Acq: 11 Sep 2020 13:59

Tgt Ion:105 Resp: 436440

Ion Ratio Lower Upper

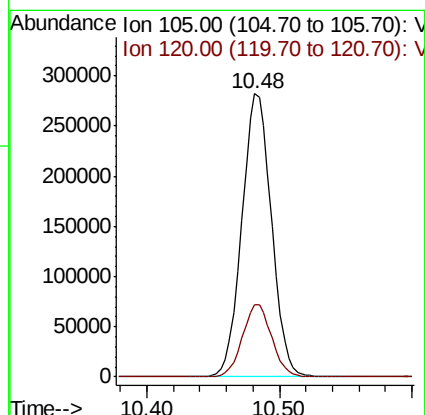
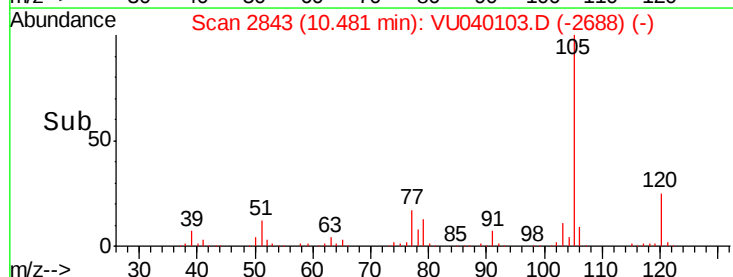
105 100

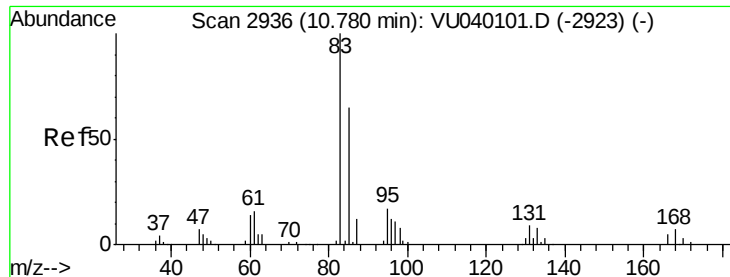
120 25.4 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#70

1,1,2,2-Tetrachloroethane

Concen: 9.688 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

Instrument :

MSVOA_U

ClientSampleId :

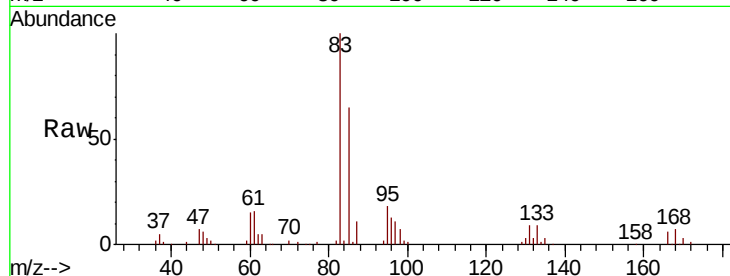
Tot Ion: 83 Resp: 98096

Ion Ratio Lower Upper

83 100

131 9.2 7.5 11.3

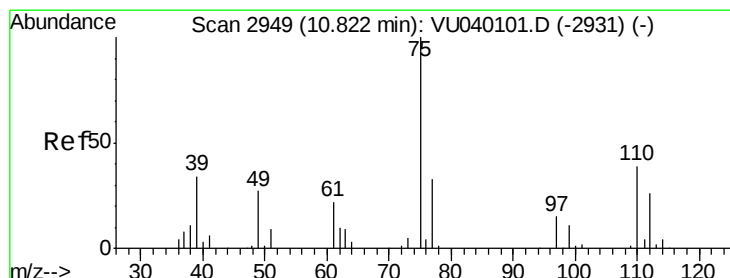
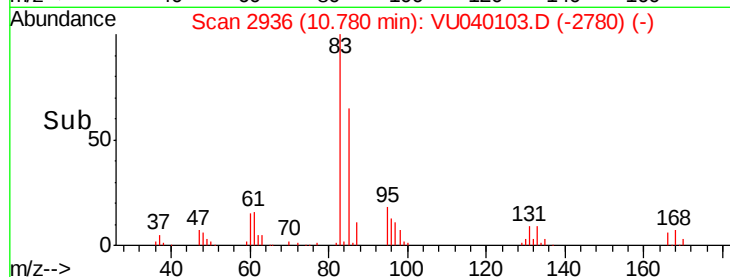
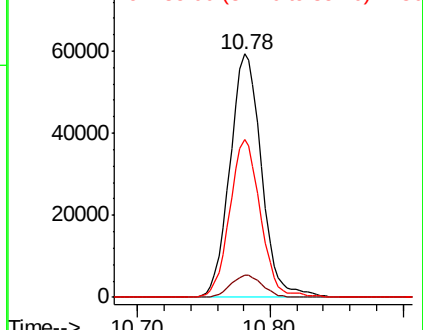
85 63.2 49.7 74.5



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: 9.796 ug/l

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

Tgt Ion: 75 Resp: 75816

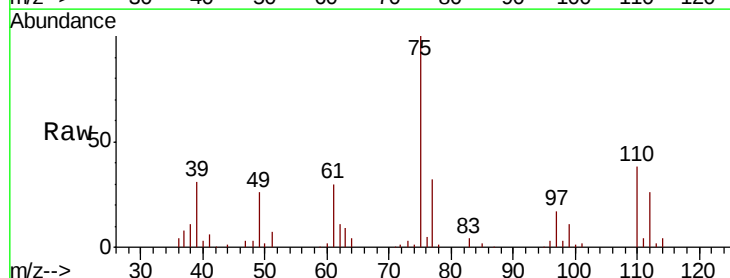
Ion Ratio Lower Upper

75 100

77 32.5 0.0 111.4

110 37.2 0.0 70.8

97 17.5 0.0 36.0

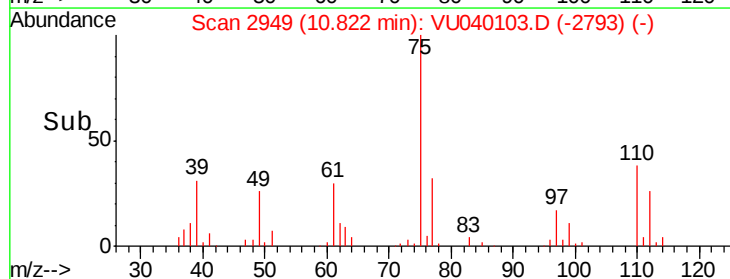
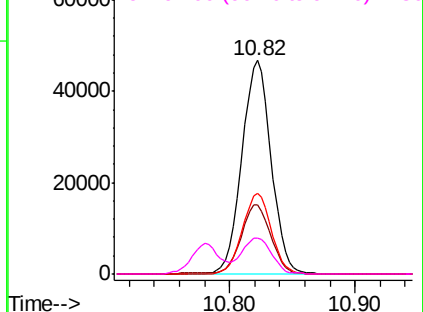


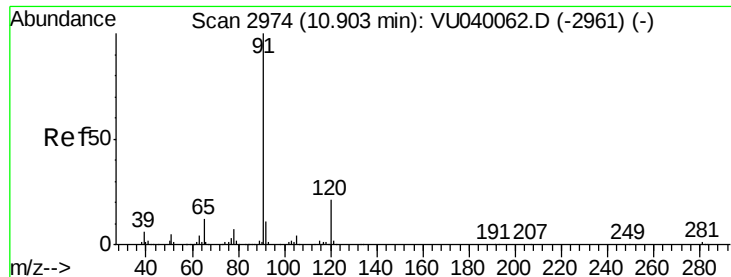
Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0





#73

n-propylbenzene

Concen: 11.389 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.18 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

Instrument :

MSVOA_U

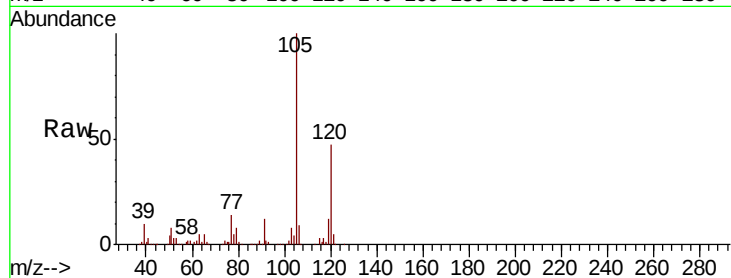
ClientSampled :

Tot Ion:120 Resp: 182923

Ion Ratio Lower Upper

120 100

91 26.7 380.4 570.6#



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0

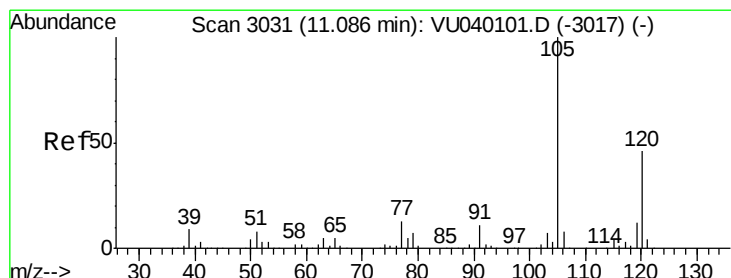
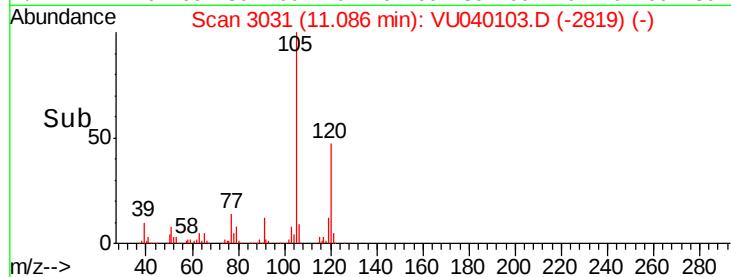
11.09

100000

50000

0

Time--> 11.00 11.05 11.10 11.15



#75

1,3,5-Trimethylbenzene

Concen: 11.368 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040103.D

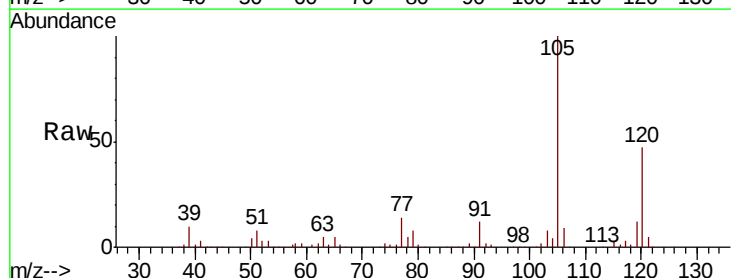
Acq: 11 Sep 2020 13:59

Tgt Ion:105 Resp: 391712

Ion Ratio Lower Upper

105 100

120 46.7 36.6 55.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.09

300000

250000

200000

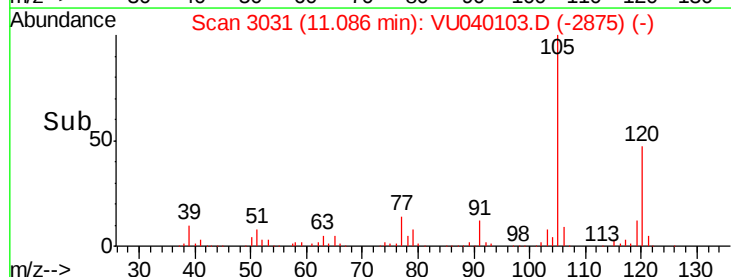
150000

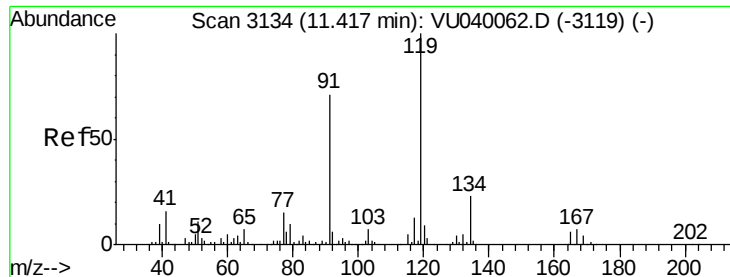
100000

50000

0

Time--> 11.00 11.05 11.10 11.15





#77

tert-Butylbenzene

Concen: 11.399 ug/l

RT: 11.47 min Scan# 3149

Delta R.T. 0.05 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

Instrument :

MSVOA_U

ClientSampleId :

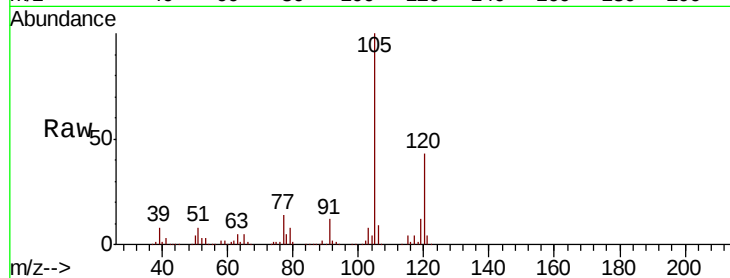
Tot Ion:119 Resp: 47112

Ion Ratio Lower Upper

119 100

91 99.2 34.2 102.5

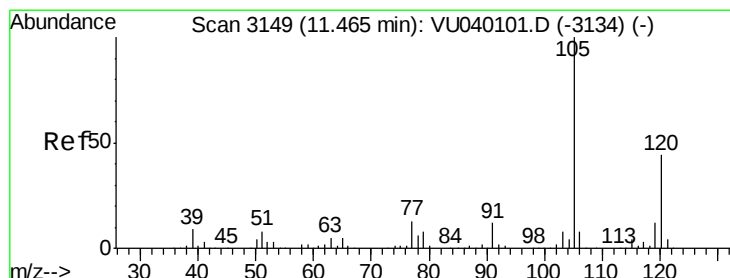
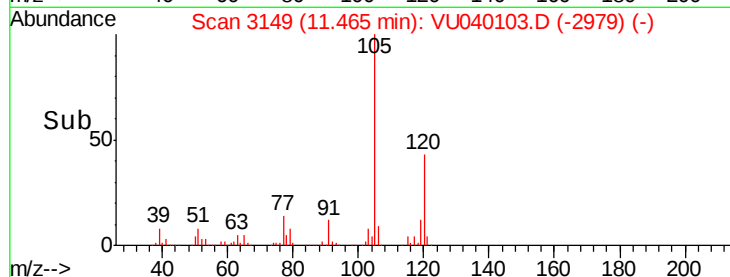
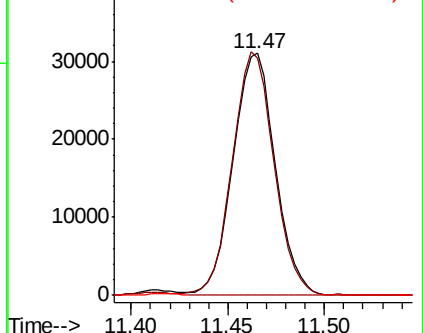
134 0.4 18.2 27.4#



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: 11.561 ug/l

RT: 11.47 min Scan# 3149

Delta R.T. 0.00 min

Lab File: VU040103.D

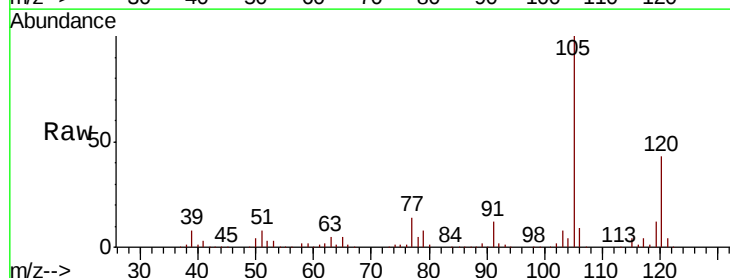
Acq: 11 Sep 2020 13:59

Tgt Ion:105 Resp: 396287

Ion Ratio Lower Upper

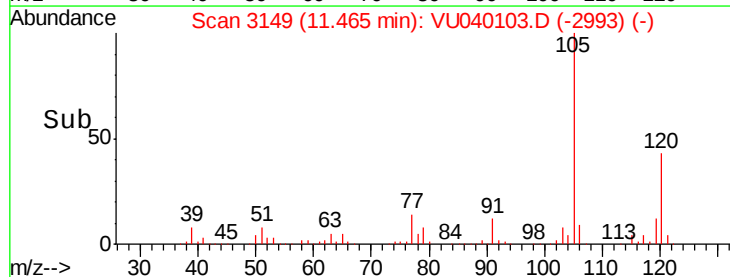
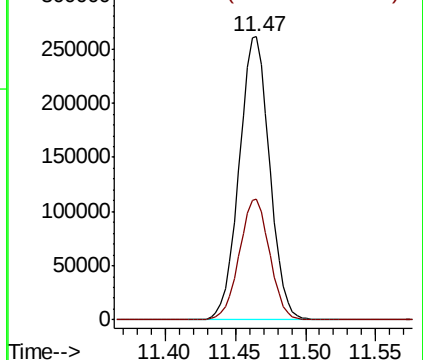
105 100

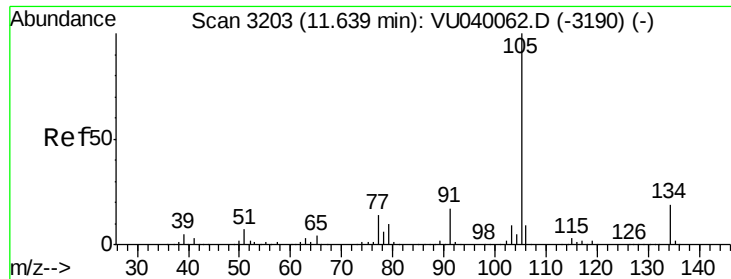
120 42.4 21.9 65.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 11.561 ug/l

RT: 11.47 min Scan# 3149

Delta R.T. -0.17 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

Instrument :

MSVOA_U

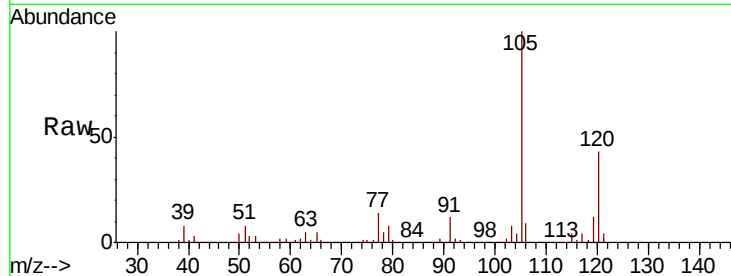
ClientSampleId :

Tot Ion:105 Resp: 396287

Ion Ratio Lower Upper

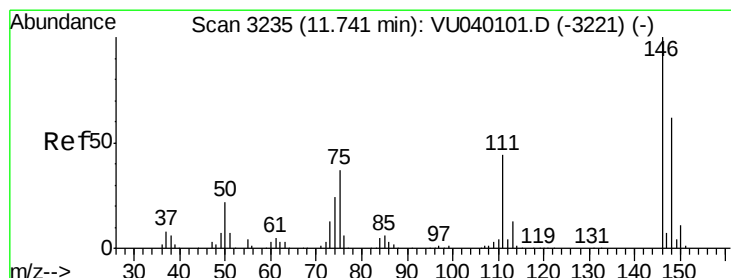
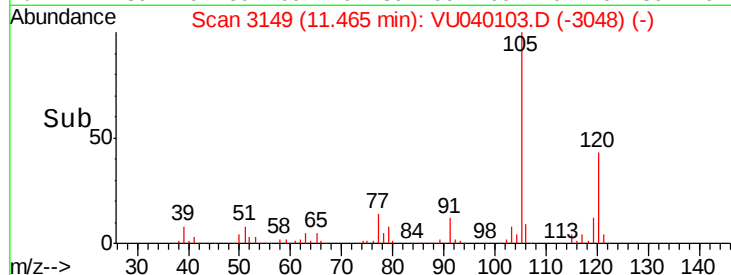
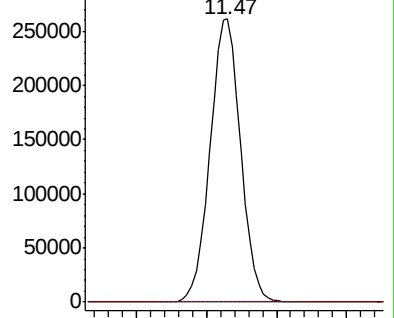
105 100

134 0.0 15.0 22.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

1,3-Dichlorobenzene

Concen: 10.140 ug/l

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040103.D

Acq: 11 Sep 2020 13:59

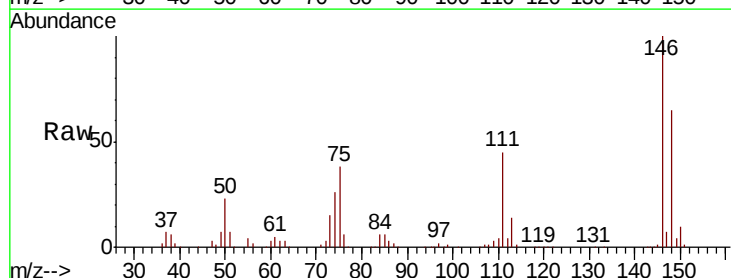
Tgt Ion:146 Resp: 202074

Ion Ratio Lower Upper

146 100

111 44.6 35.4 53.0

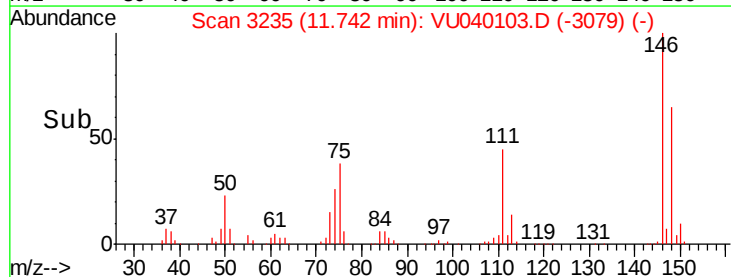
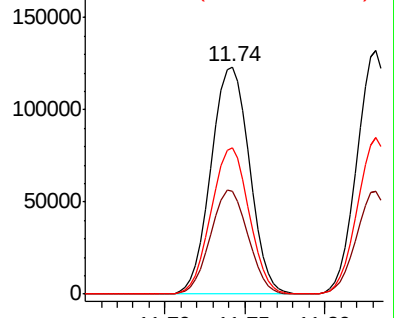
148 63.5 49.7 74.5

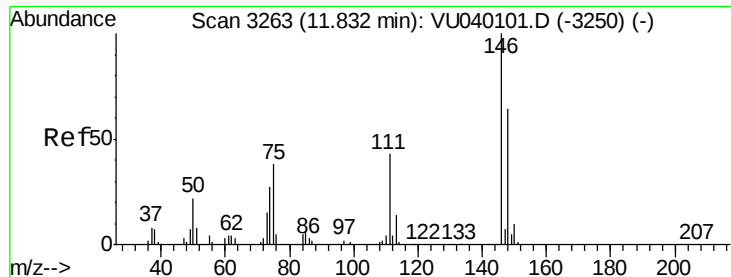


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

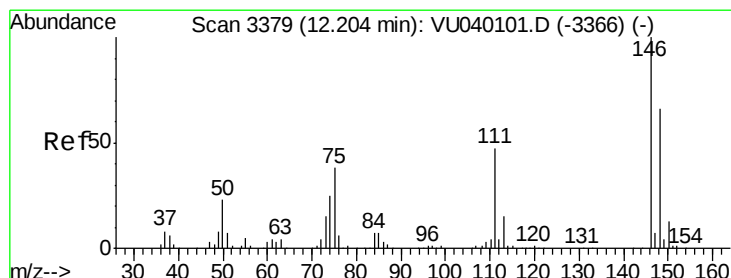
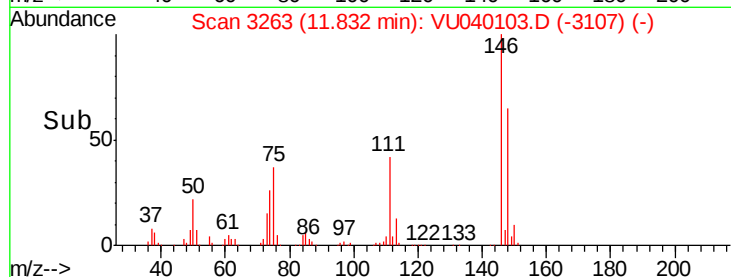
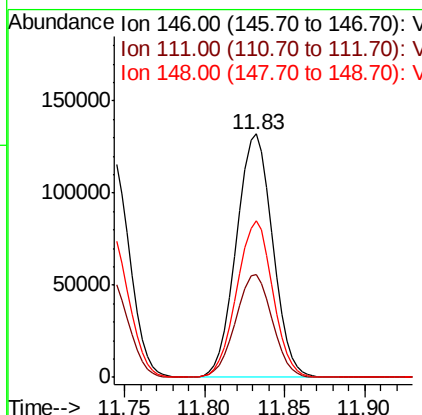
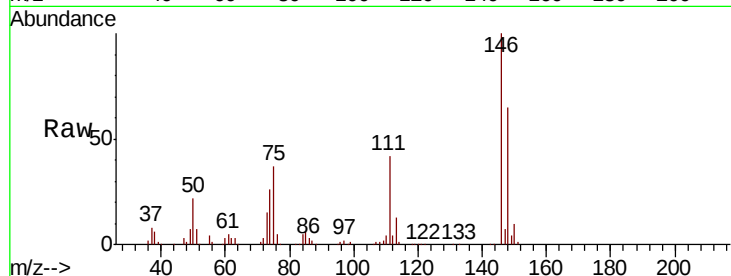




#83
 1,4-Dichlorobenzene
 Concen: 10.474 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040103.D
 Acq: 11 Sep 2020 13:59

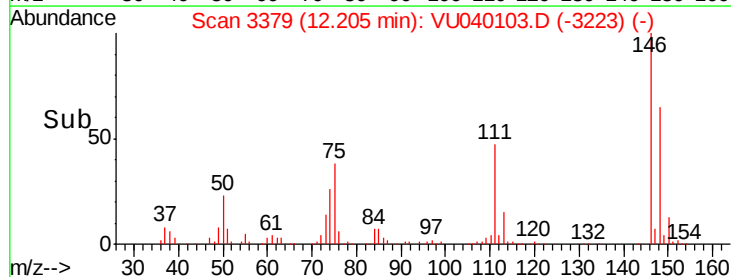
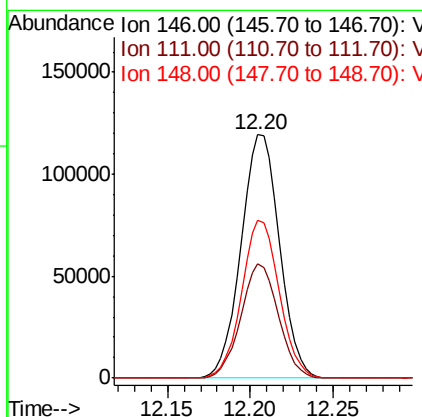
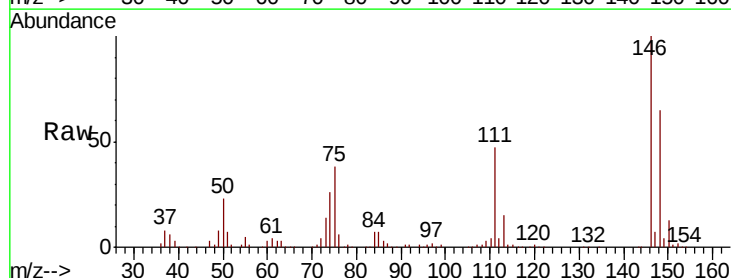
Instrument :
 MSVOA_U
 ClientSampleId :

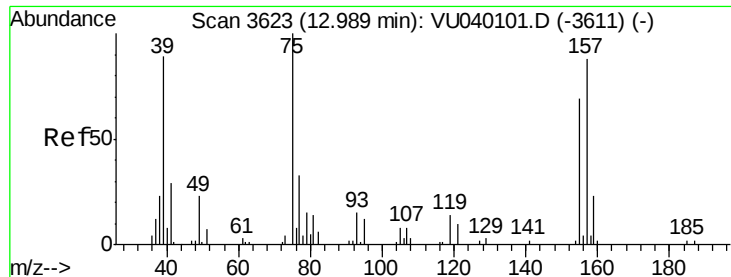
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	34.2	51.2
148	63.7	50.2	75.2



#85
 1,2-Dichlorobenzene
 Concen: 10.402 ug/l
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU040103.D
 Acq: 11 Sep 2020 13:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.9	68.7
148	63.3	31.1	93.2

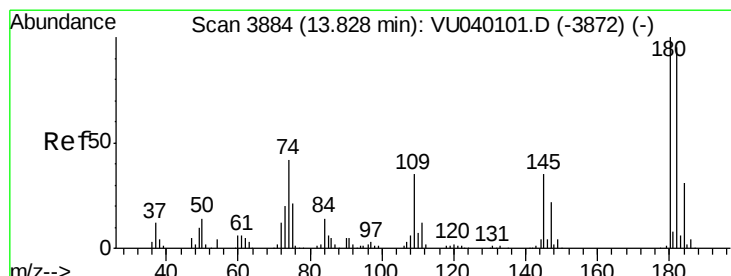
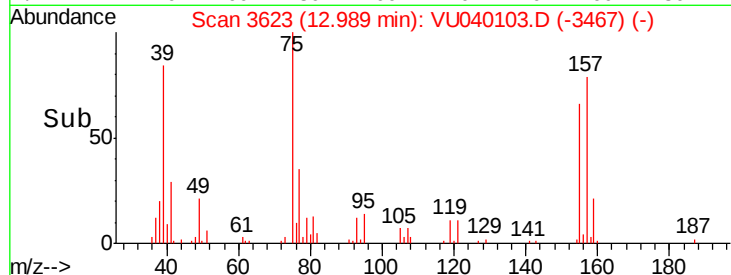
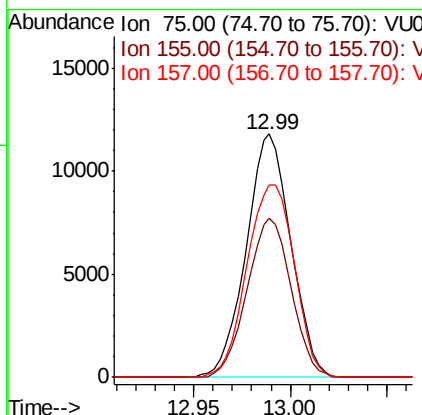
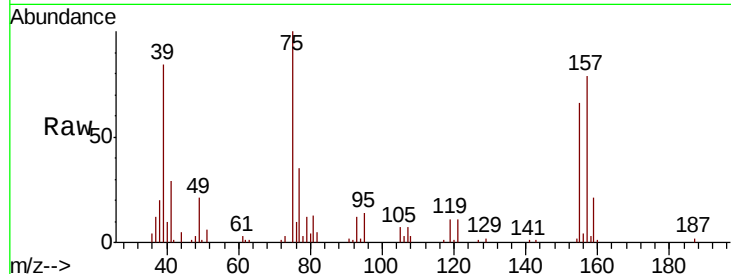




#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.980 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040103.D
 Acq: 11 Sep 2020 13:59

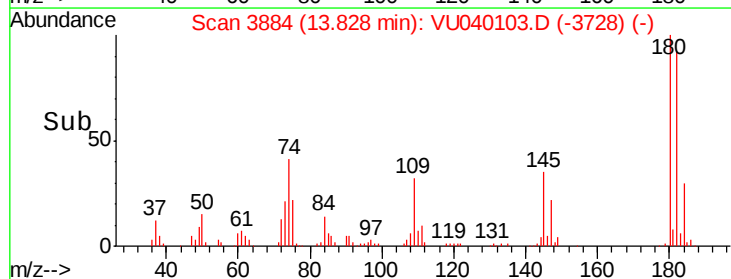
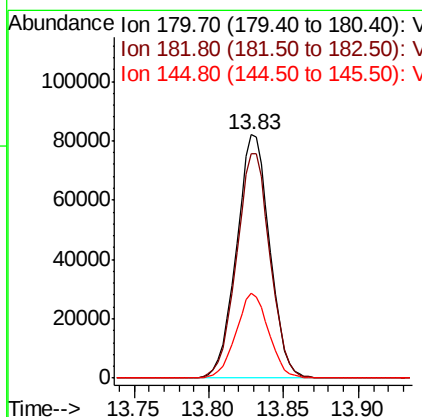
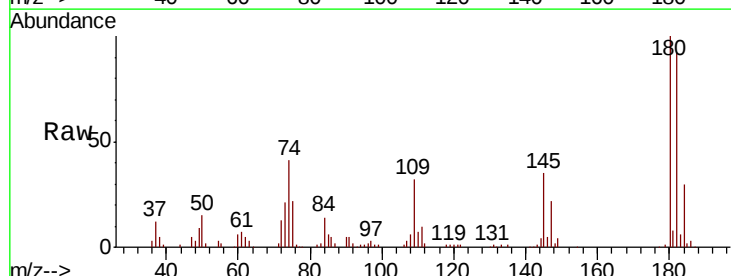
Instrument :
 MSVOA_U
 ClientSampleId :

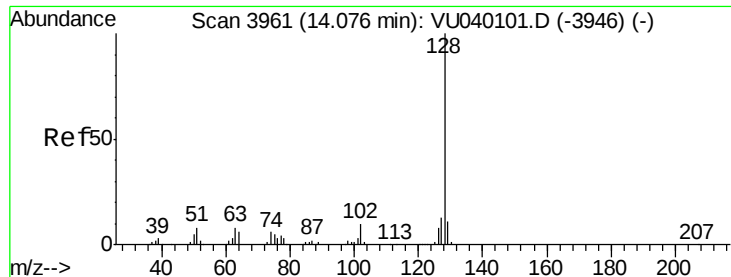
Tot Ion: 75 Resp: 18922
 Ion Ratio Lower Upper
 75 100
 155 64.6 53.4 80.0
 157 84.1 65.8 98.8



#87
 1,2,4-Trichlorobenzene
 Concen: 11.846 ug/l
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040103.D
 Acq: 11 Sep 2020 13:59

Tgt Ion: 180 Resp: 126444
 Ion Ratio Lower Upper
 180 100
 182 93.4 75.0 112.4
 145 34.2 27.7 41.5

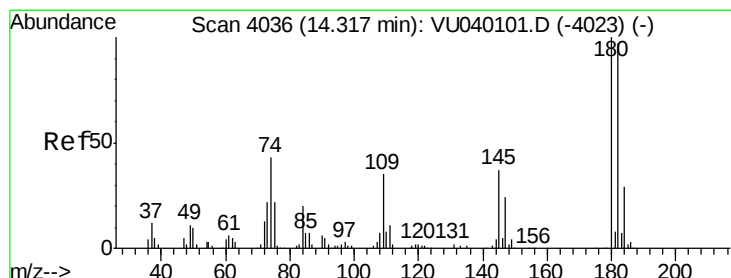
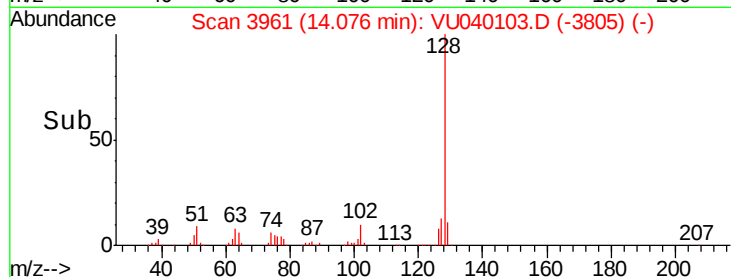
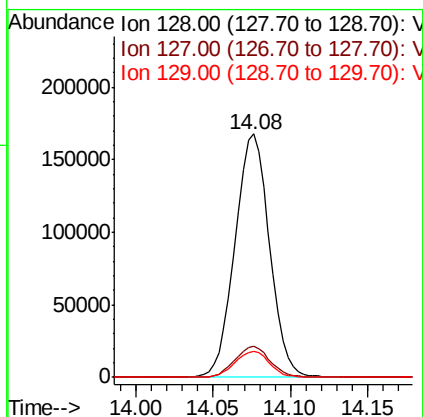
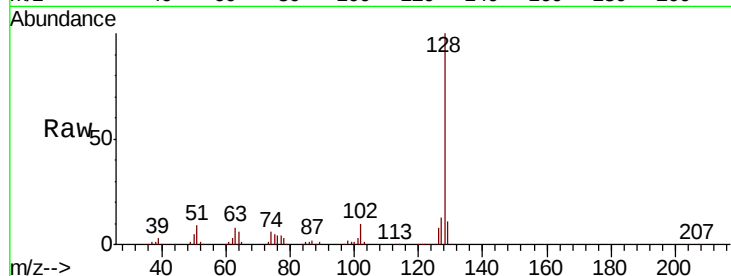




#89
Naphthalene
Concen: 13.209 ug/l
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.8	8.3	12.5



#90
1,2,3-Trichlorobenzene
Concen: 11.590 ug/l
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU040103.D
Acq: 11 Sep 2020 13:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.0	114.0
145	35.3	30.6	45.8

