

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112619\
 Data File : VY000803.D
 Acq On : 26 Nov 2019 14:57
 Operator : SY/MD
 Sample : K5792-01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 27 04:31:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	252649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	470390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	416259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	179424	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	162653	62.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.42%	
35) Dibromofluoromethane	7.73	113	135940	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
50) Toluene-d8	10.18	98	559710	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
62) 4-Bromofluorobenzene	12.48	95	190868	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	

Target Compounds

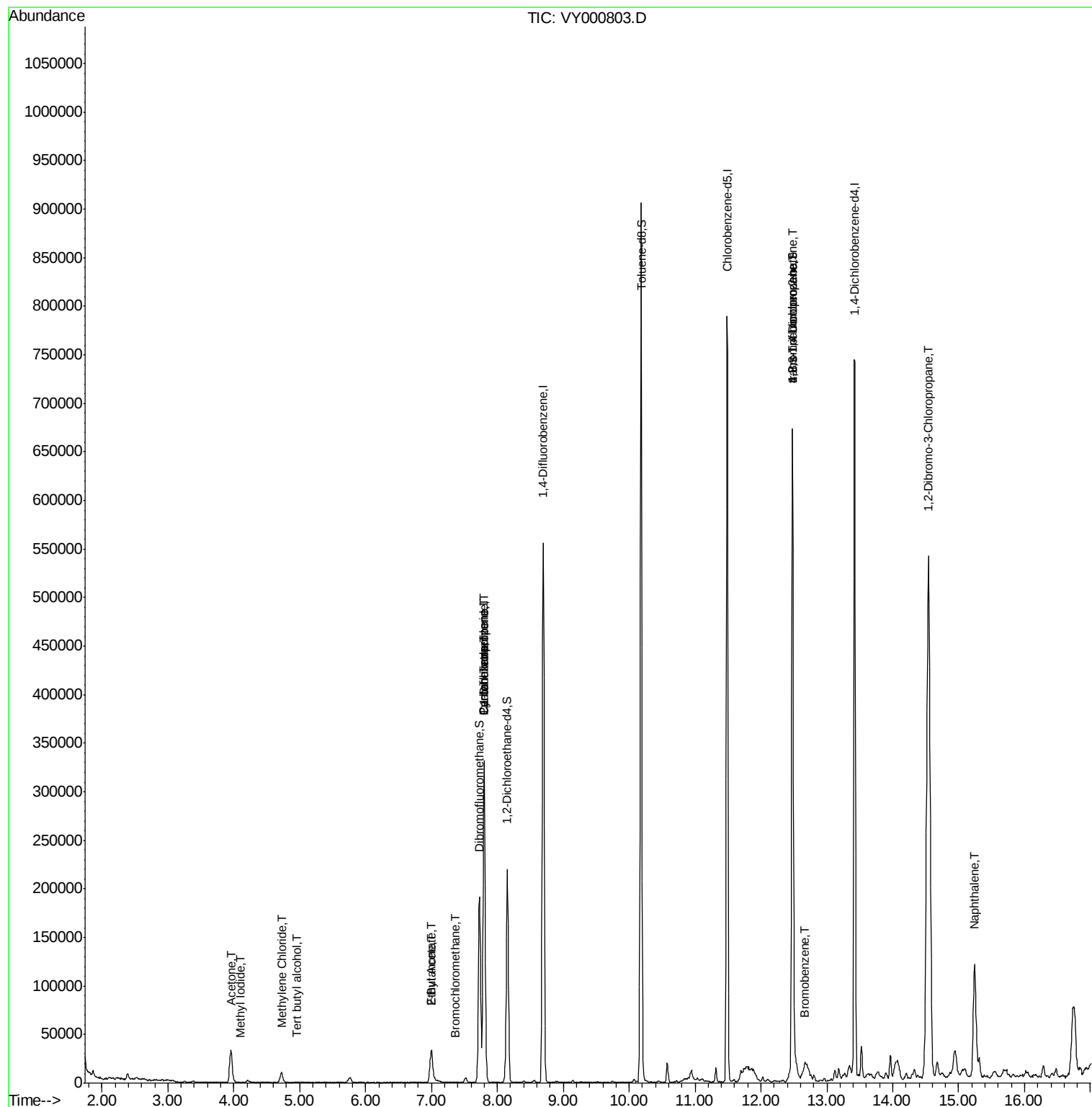
						Qvalue
10) Methyl Iodide	4.10	142	56	3.215	ug/l #	41
11) Tert butyl alcohol	4.95	59	575	2.259	ug/l #	82
16) Acetone	3.96	43	56961	79.045	ug/l #	87
20) Methylene Chloride	4.72	84	7545	2.444	ug/l #	88
25) 2-Butanone	7.00	43	10018	8.711	ug/l #	89
28) Bromochloromethane	7.36	49	32	4.106	ug/l #	14
31) Cyclohexane	7.80	56	5781	1.142	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	22559	5.073	ug/l #	48
37) Ethyl Acetate	7.00	43	10018	3.795	ug/l #	88
38) Carbon Tetrachloride	7.80	117	25737	6.015	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	101862	49.859	ug/l #	100
77) Bromobenzene	12.67	156	8134	2.705	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	101862	111.791	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.55	75	43096	92.742	ug/l #	18
95) Naphthalene	15.23	128	14235	1.762	ug/l #	84

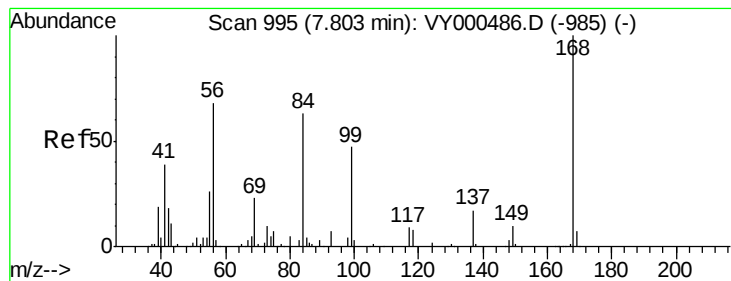
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000803.D

Acq: 26 Nov 2019 14:57

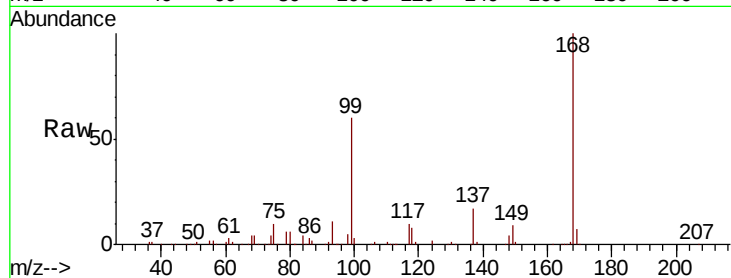
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 252649

Ion Ratio Lower Upper

168 100

99 60.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

120000

100000

80000

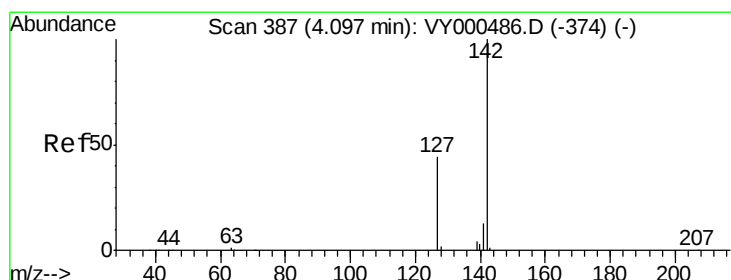
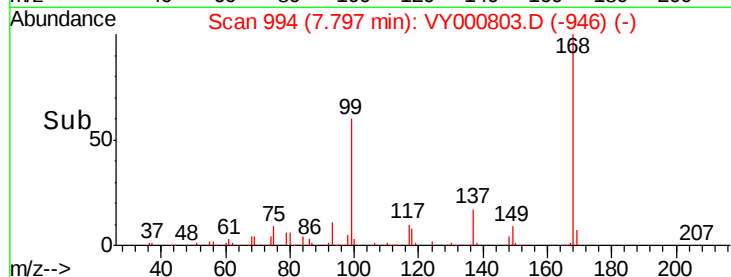
60000

40000

20000

0

Time--> 7.70 7.75 7.80 7.85 7.90



#10

Methyl Iodide

Concen: 3.215 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000803.D

Acq: 26 Nov 2019 14:57

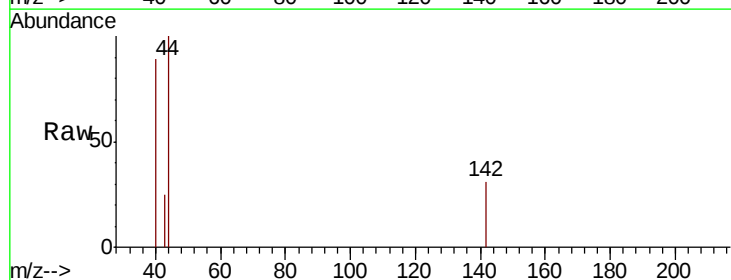
Tgt Ion:142 Resp: 56

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

141 0.0 10.9 16.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.10

120

100

80

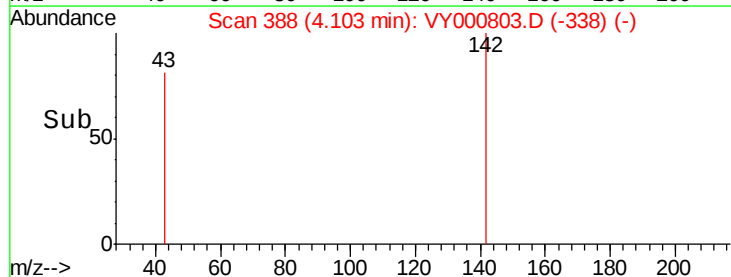
60

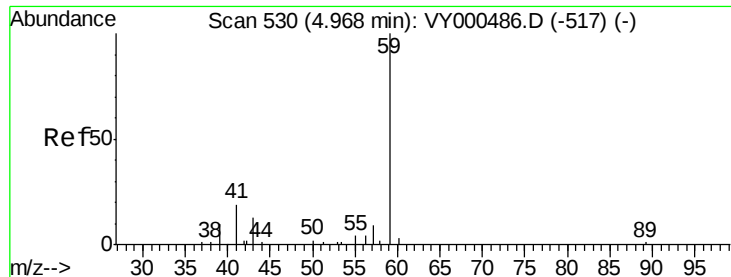
40

20

0

Time--> 4.08 4.10 4.12 4.14

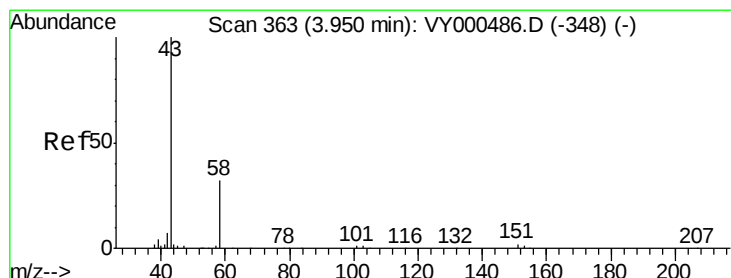
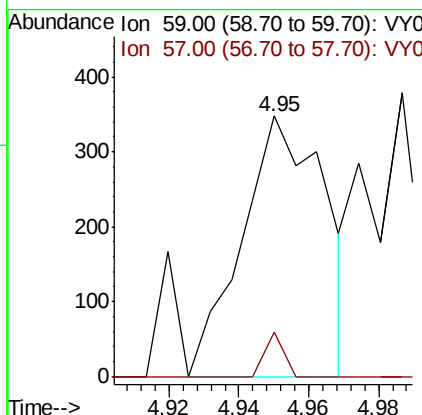
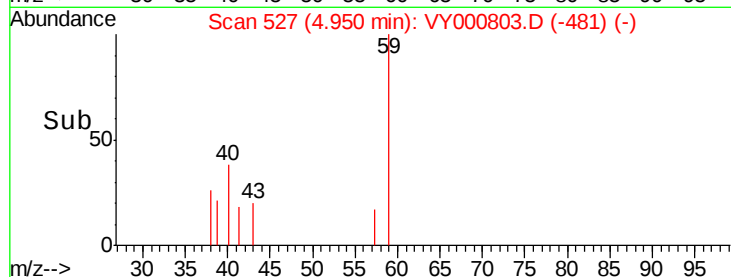
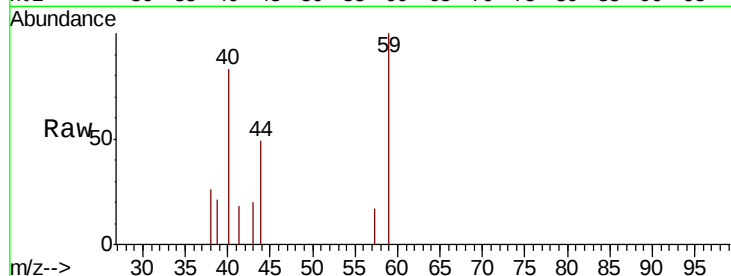




#11
Tert butyl alcohol
Concen: 2.259 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.02 min
Lab File: VY000803.D
Acq: 26 Nov 2019 14:57

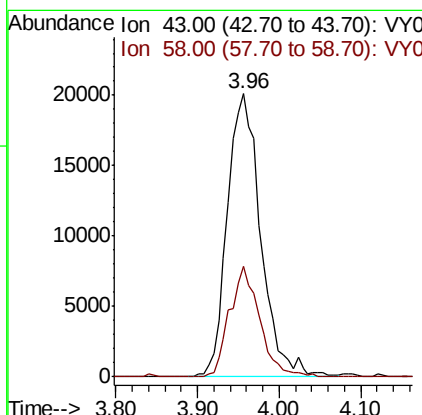
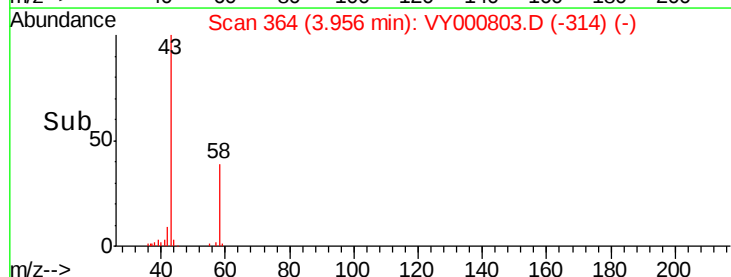
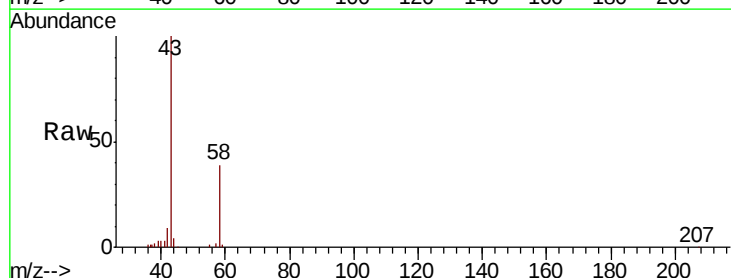
Instrument :
MSVOA_Y
ClientSampled :

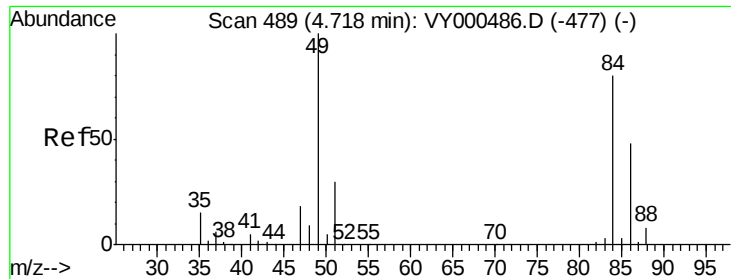
Tot Ion: 59 Resp: 575
Ion Ratio Lower Upper
59 100
57 3.8 8.6 12.8#



#16
Acetone
Concen: 79.045 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY000803.D
Acq: 26 Nov 2019 14:57

Tgt Ion: 43 Resp: 56961
Ion Ratio Lower Upper
43 100
58 39.2 25.8 38.6#

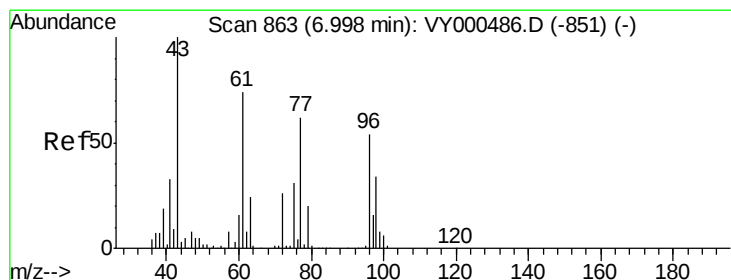
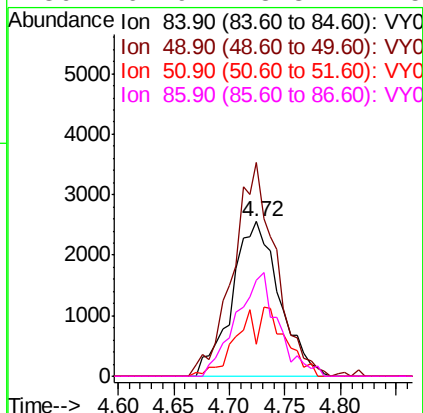
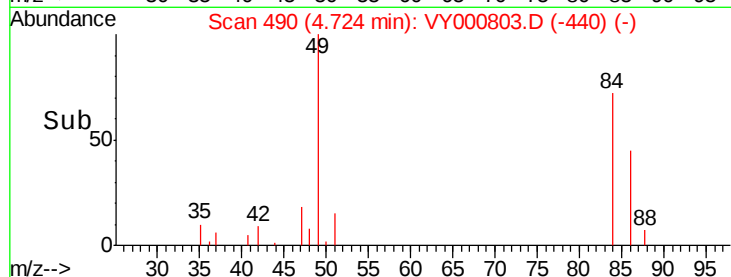
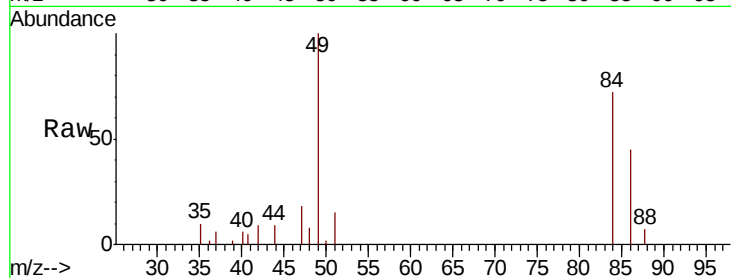




#20
Methvlene Chloride
Concen: 2.444 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000803.D
Acq: 26 Nov 2019 14:57

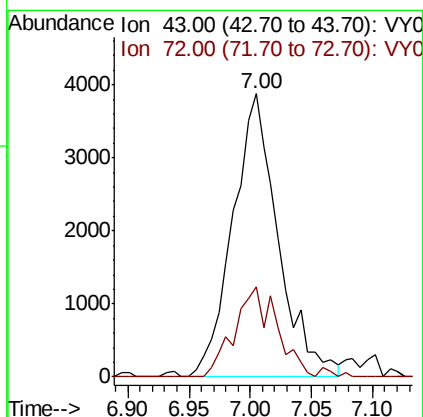
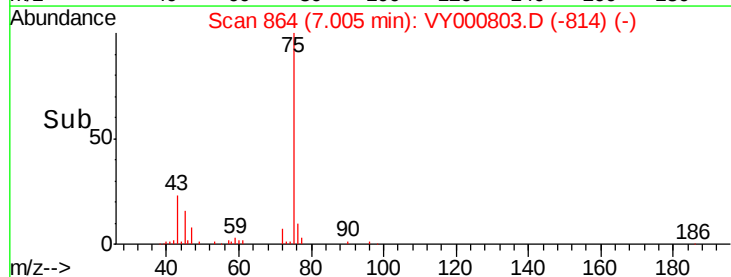
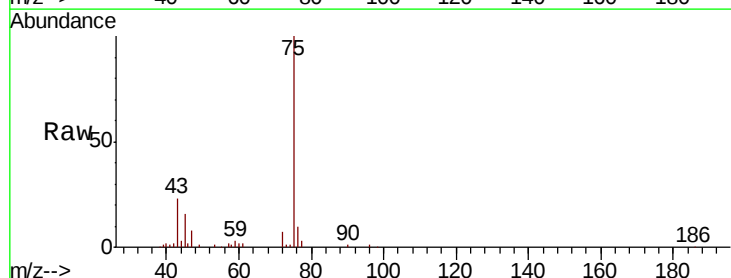
Instrument :
MSVOA_Y
ClientSampled :

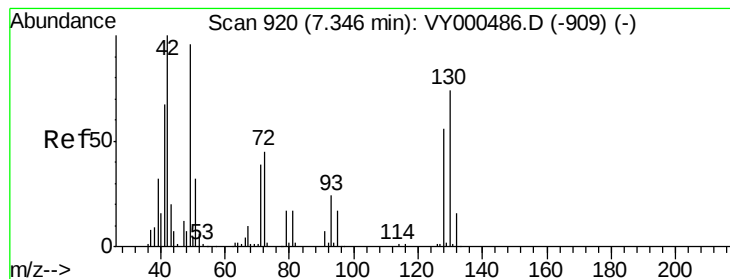
Tot Ion: 84 Resp: 7545
Ion Ratio Lower Upper
84 100
49 138.1 100.2 150.4
51 20.3 29.6 44.4#
86 61.9 48.3 72.5



#25
2-Butanone
Concen: 8.711 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY000803.D
Acq: 26 Nov 2019 14:57

Tgt Ion: 43 Resp: 10018
Ion Ratio Lower Upper
43 100
72 31.7 20.9 31.3#





#28

Bromochloromethane

Concen: 4.106 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.02 min

Lab File: VY000803.D

Acq: 26 Nov 2019 14:57

Instrument :
MSVOA_Y
ClientSampleId :

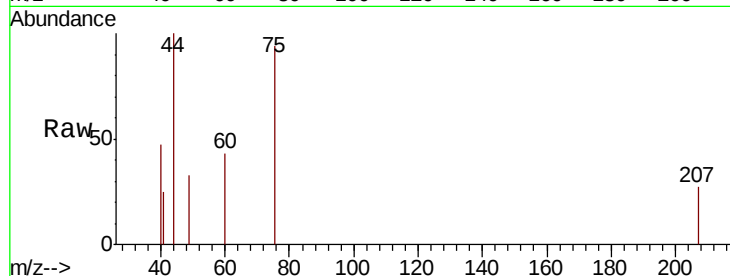
Tot Ion: 49 Resp: 32

Ion Ratio Lower Upper

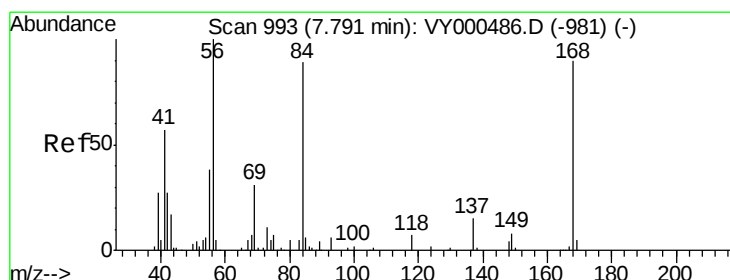
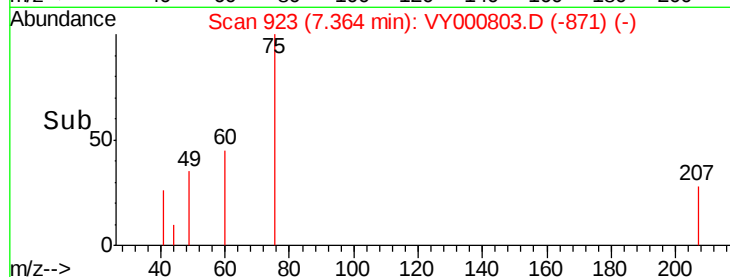
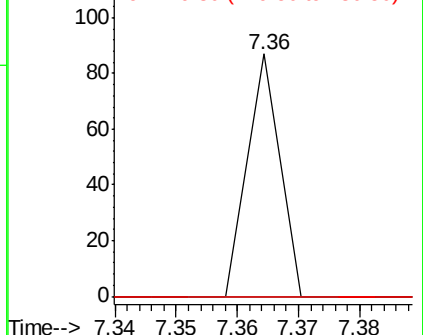
49 100

129 0.0 0.0 3.6

130 0.0 59.4 89.0#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000803.D

Acq: 26 Nov 2019 14:57

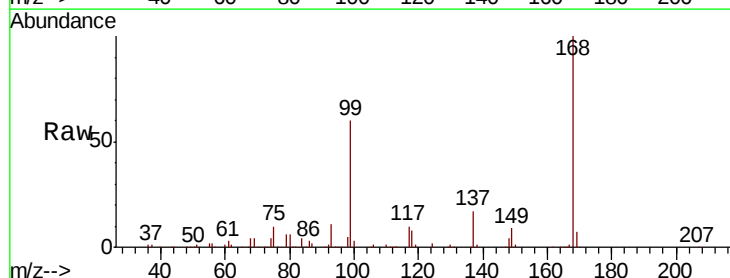
Tgt Ion: 56 Resp: 5781

Ion Ratio Lower Upper

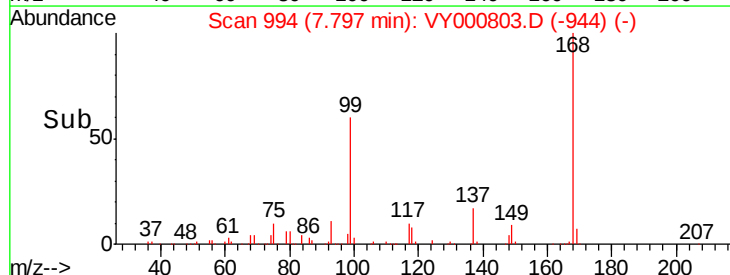
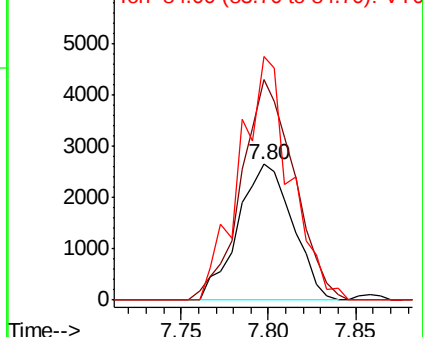
56 100

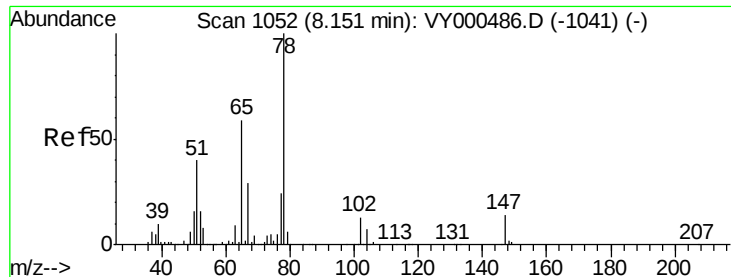
69 162.9 25.0 37.6#

84 179.5 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

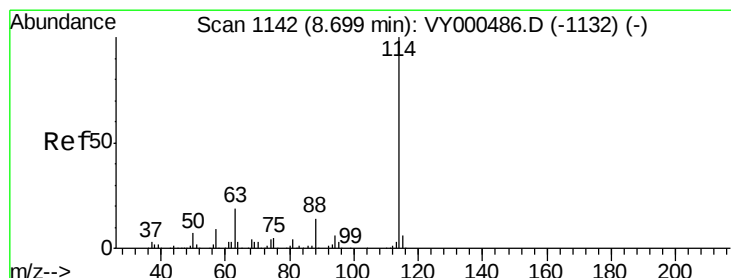
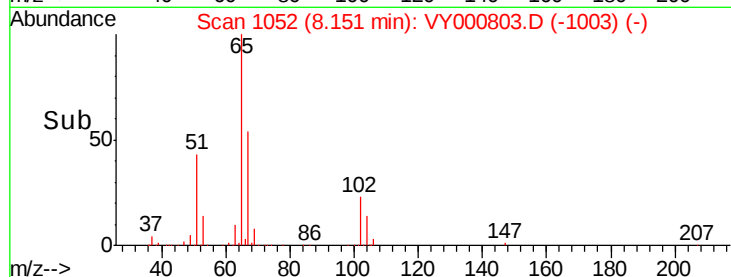
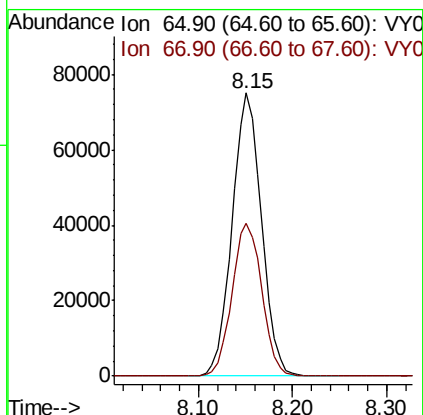
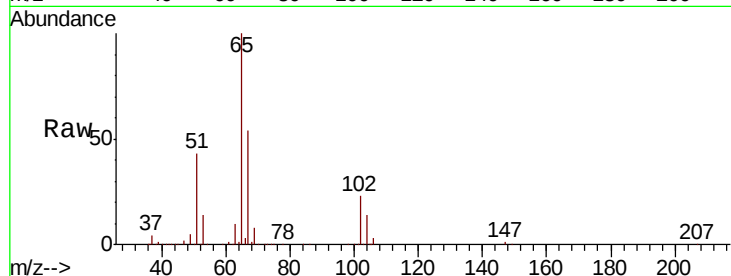




#33
 1,2-Dichloroethane-d4
 Concen: 62.210 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY000803.D
 Acq: 26 Nov 2019 14:57

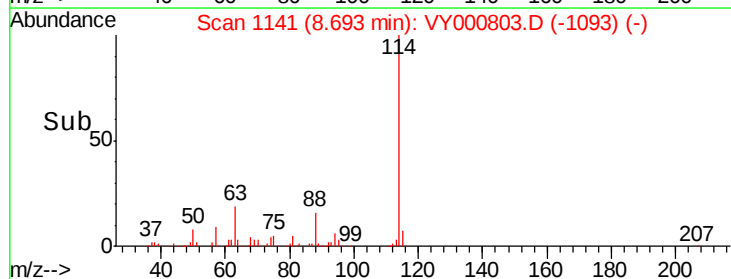
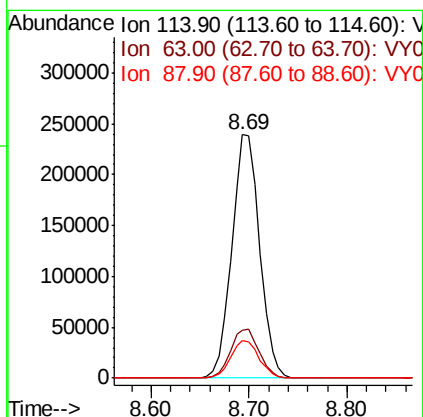
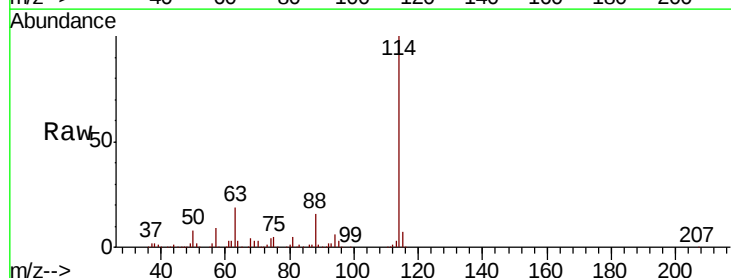
Instrument :
 MSVOA_Y
 ClientSampleId :

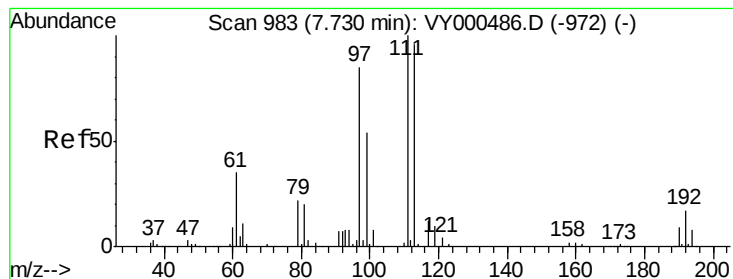
Tot Ion: 65 Resp: 162653
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000803.D
 Acq: 26 Nov 2019 14:57

Tgt Ion: 114 Resp: 470390
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.0
 88 15.6 0.0 28.6





#35

Dibromofluoromethane

Concen: 49.227 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000803.D

Acq: 26 Nov 2019 14:57

Instrument :

MSVOA_Y

ClientSampleId :

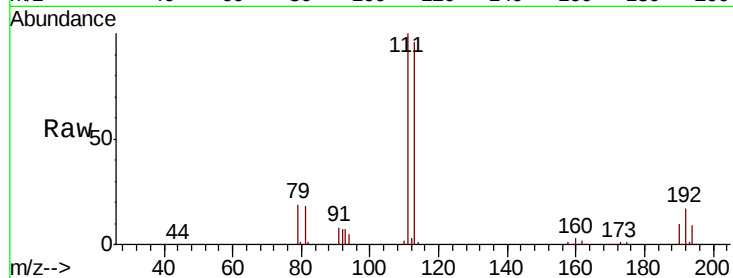
Tot Ion:113 Resp: 135940

Ion Ratio Lower Upper

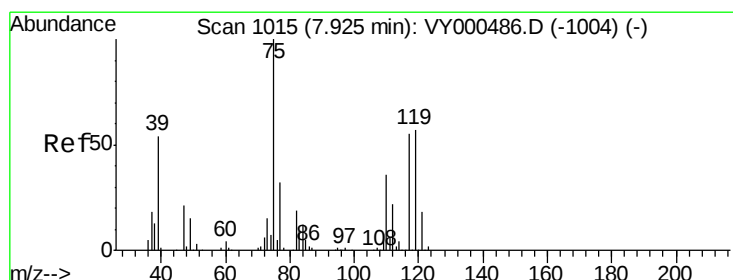
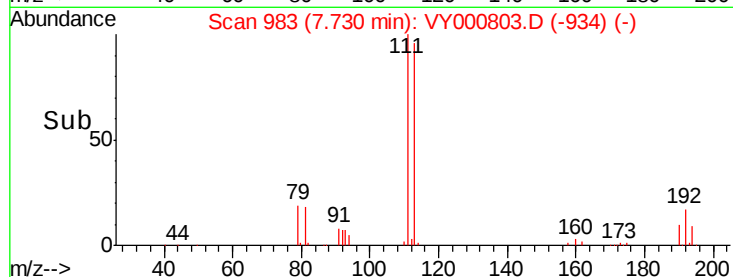
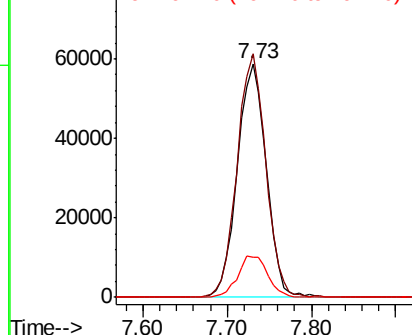
113 100

111 103.5 81.7 122.5

192 18.3 15.0 22.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.073 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000803.D

Acq: 26 Nov 2019 14:57

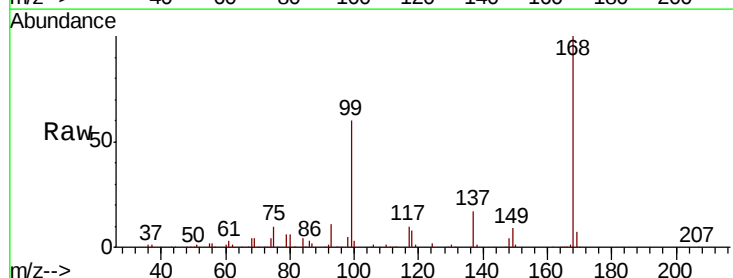
Tgt Ion: 75 Resp: 22559

Ion Ratio Lower Upper

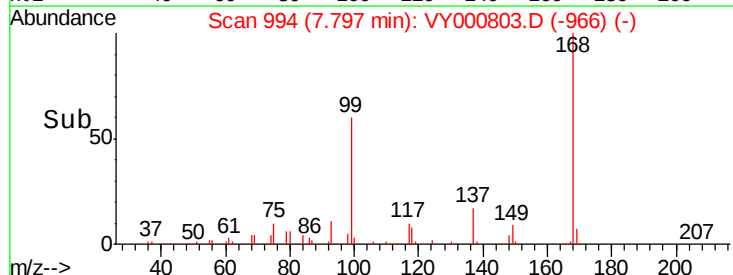
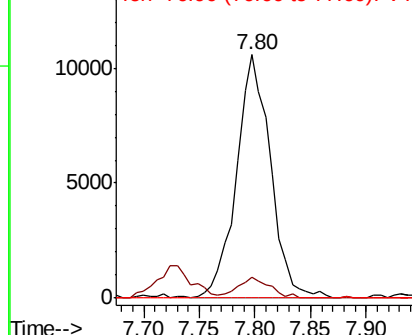
75 100

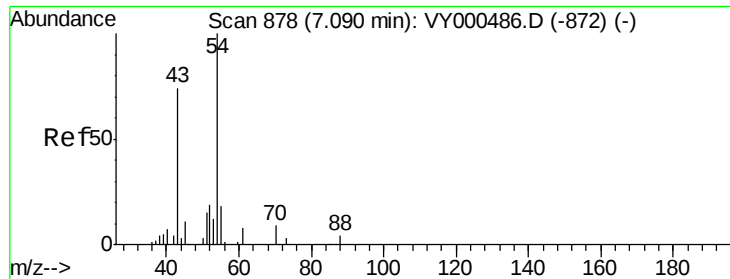
110 8.1 18.1 54.1#

77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0

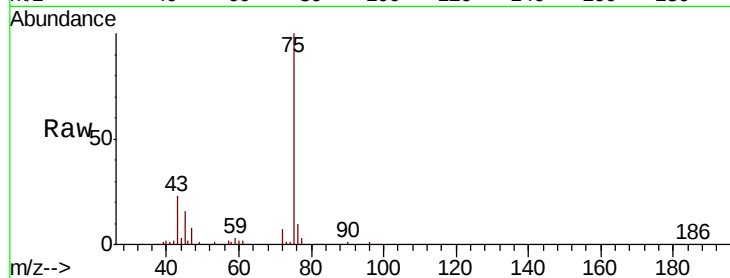




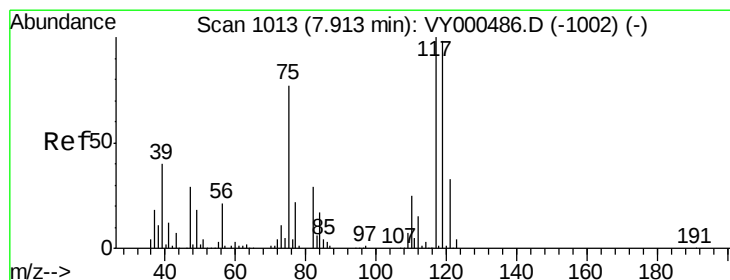
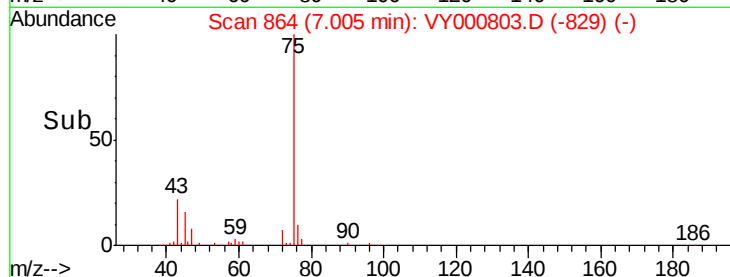
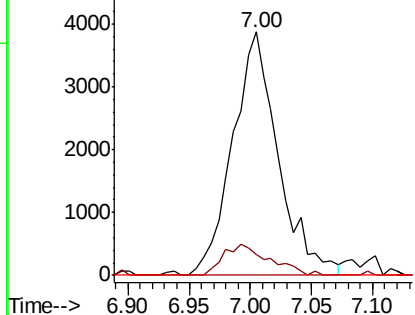
#37
Ethyl Acetate
Concen: 3.795 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.09 min
Lab File: VY000803.D
Acq: 26 Nov 2019 14:57

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 10018
Ion Ratio Lower Upper
43 100
61 12.6 10.2 15.2
70 0.0 7.8 11.8#

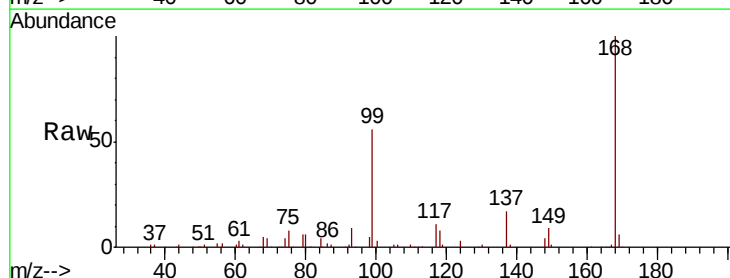


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

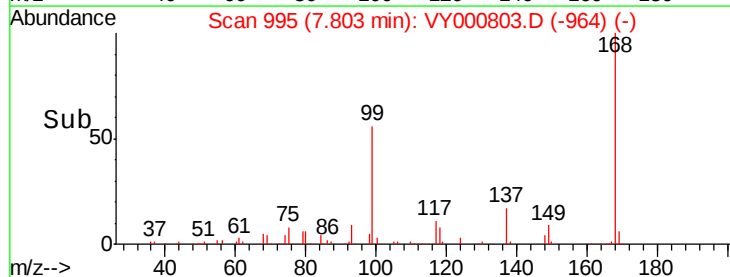
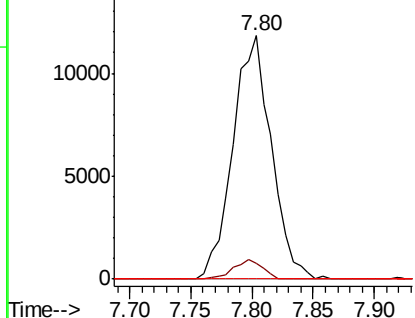


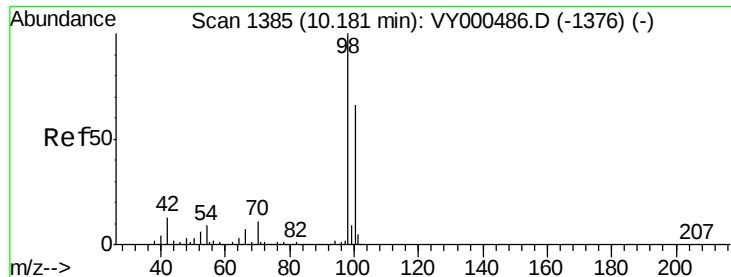
#38
Carbon Tetrachloride
Concen: 6.015 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000803.D
Acq: 26 Nov 2019 14:57

Tgt Ion: 117 Resp: 25737
Ion Ratio Lower Upper
117 100
119 6.3 78.0 117.0#
121 0.0 26.6 40.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 53.416 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000803.D

Acq: 26 Nov 2019 14:57

Instrument :

MSVOA_Y

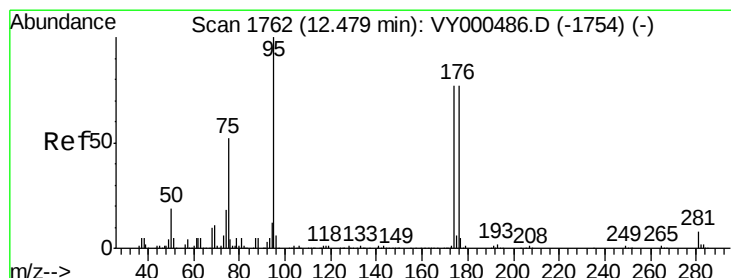
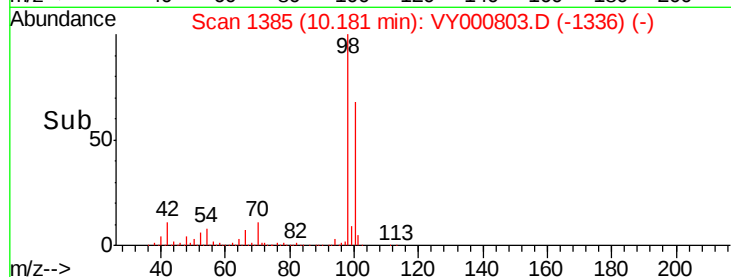
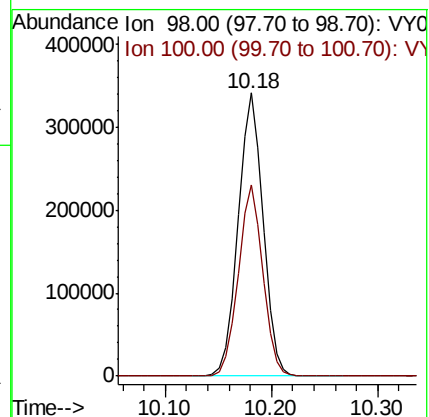
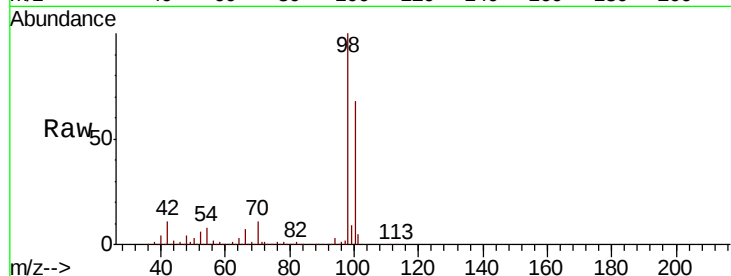
ClientSampleId :

Tot Ion: 98 Resp: 559710

Ion Ratio Lower Upper

98 100

100 66.3 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 47.848 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000803.D

Acq: 26 Nov 2019 14:57

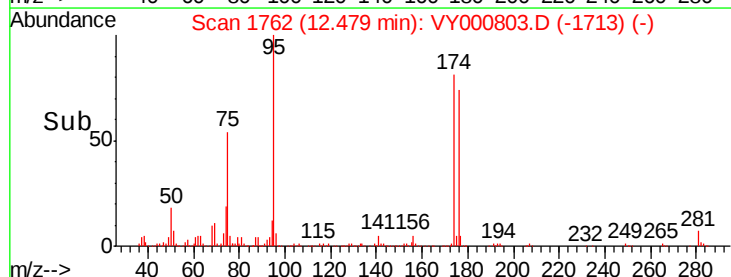
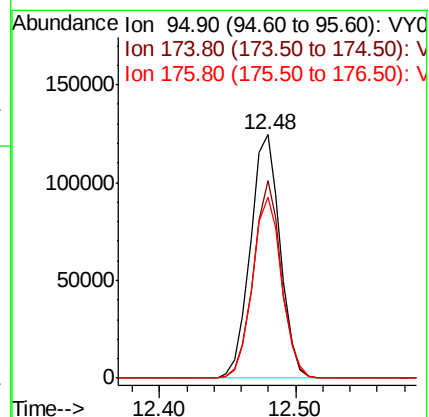
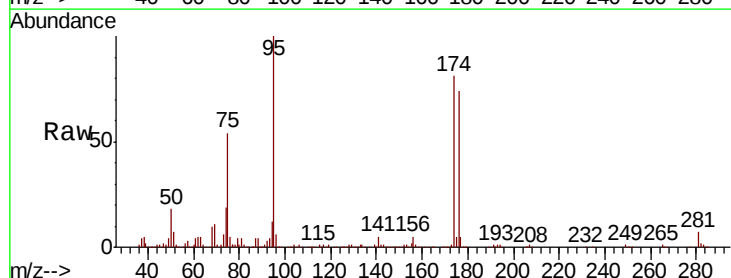
Tgt Ion: 95 Resp: 190868

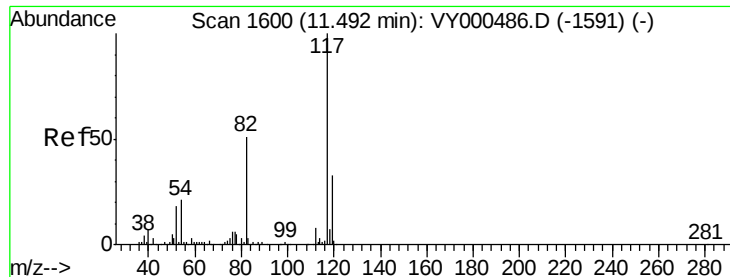
Ion Ratio Lower Upper

95 100

174 76.3 0.0 161.6

176 72.9 0.0 157.8

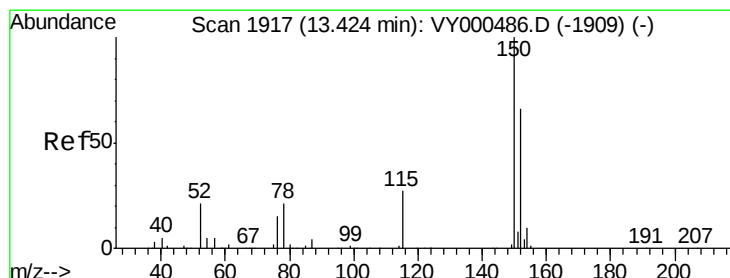
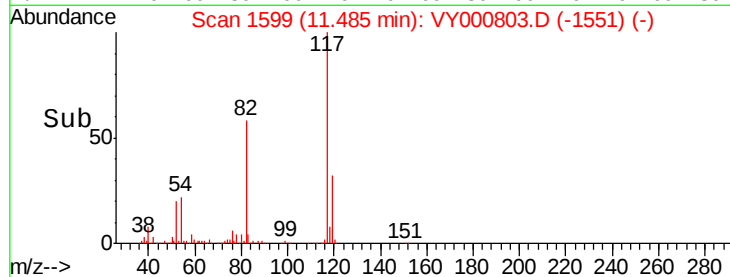
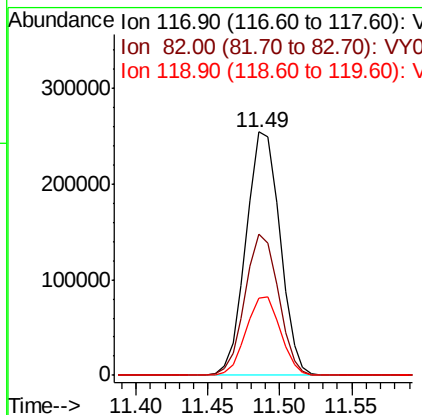
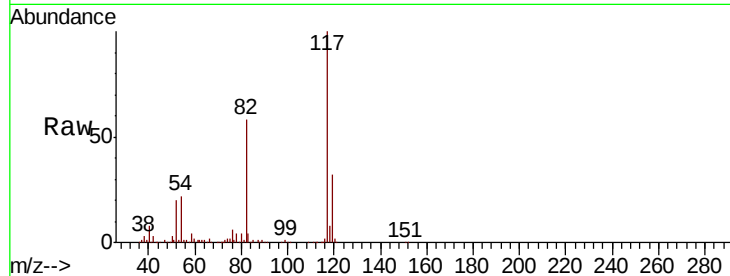




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000803.D
Acq: 26 Nov 2019 14:57

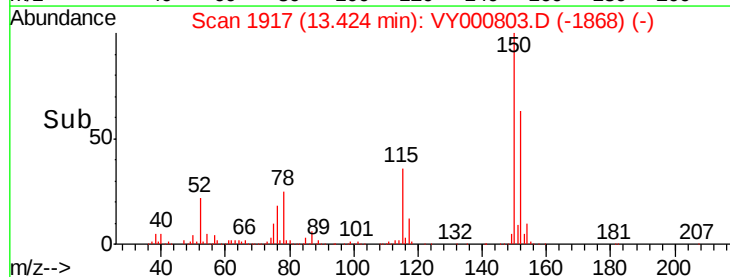
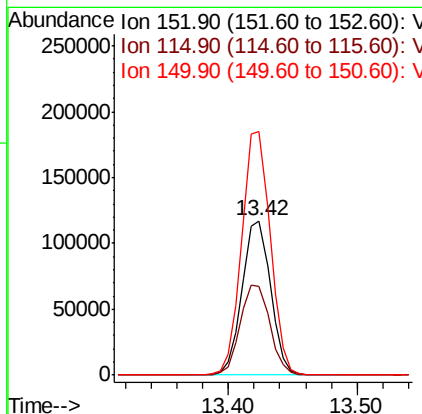
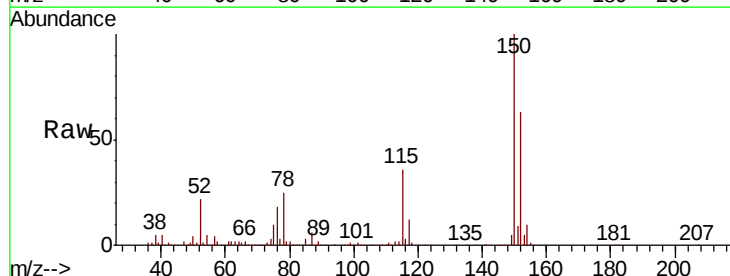
Instrument :
MSVOA_Y
ClientSampleId :

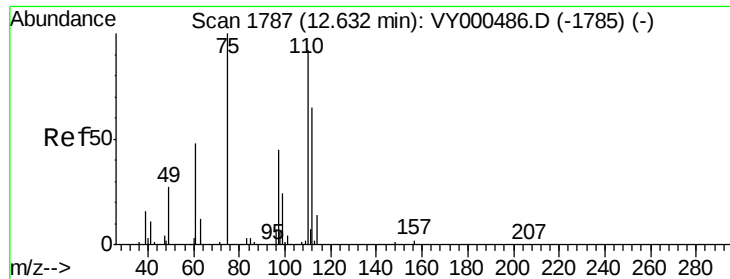
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	40.8	61.2
119	32.0	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000803.D
Acq: 26 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	29.1	87.4
150	157.9	0.0	348.8

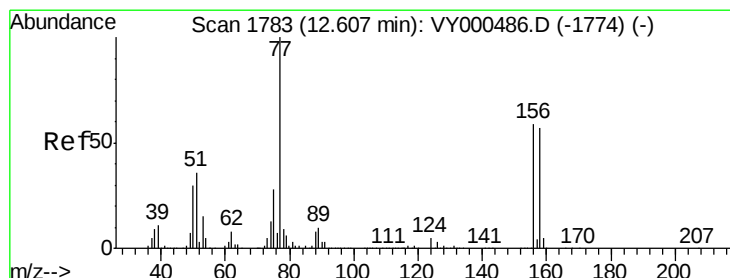
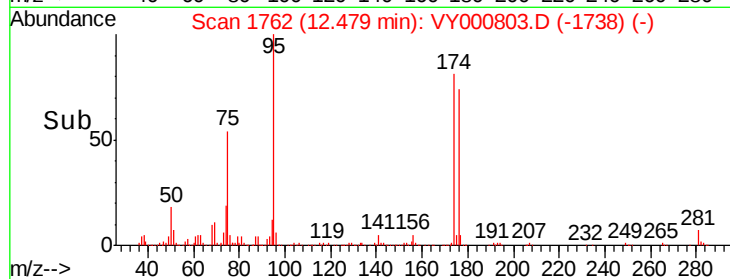
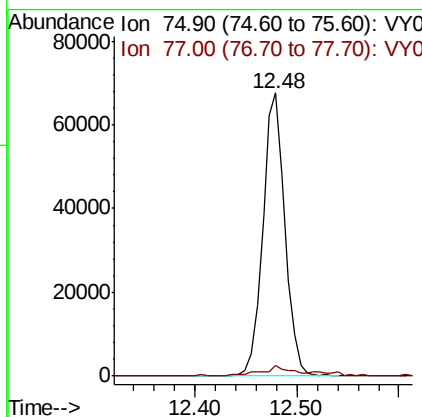
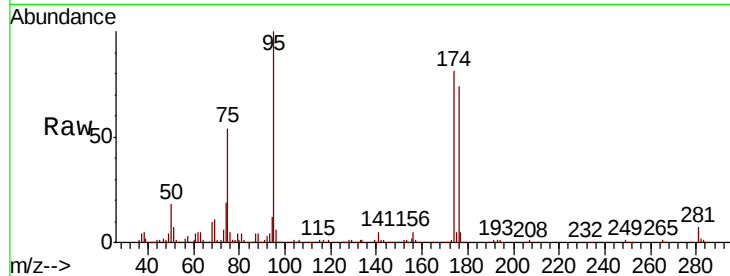




#76
 1,2,3-Trichloropropane
 Concen: 49.859 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY000803.D
 Acq: 26 Nov 2019 14:57

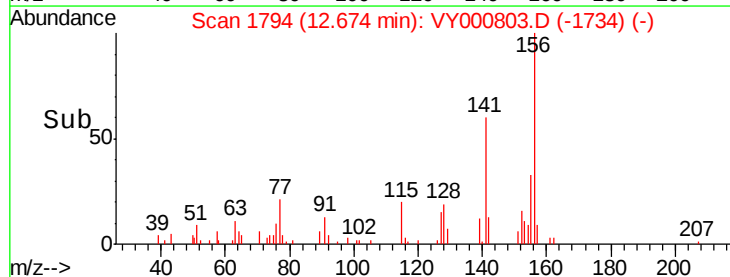
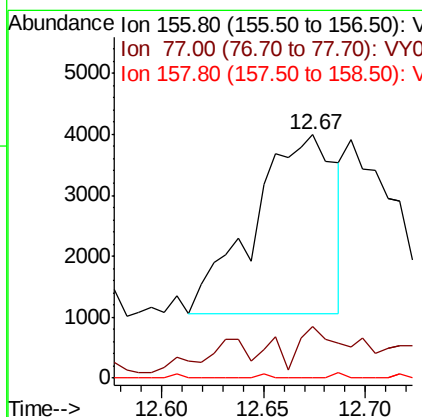
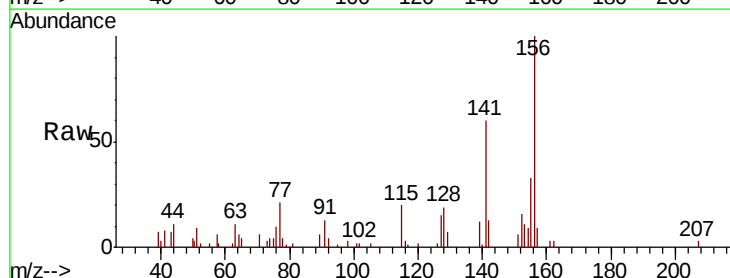
Instrument :
 MSVOA_Y
 ClientSampleId :

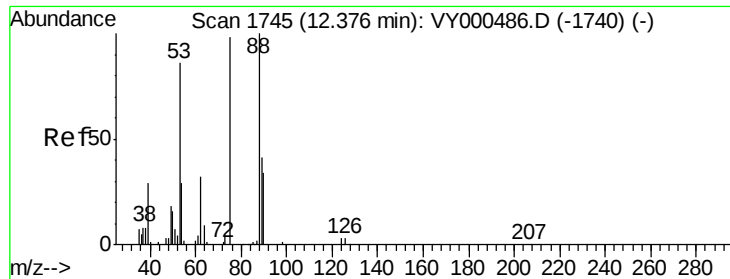
Tot Ion: 75 Resp: 101862
 Ion Ratio Lower Upper
 75 100
 77 5.1 0.0 0.0#



#77
 Bromobenzene
 Concen: 2.705 ug/l
 RT: 12.67 min Scan# 1794
 Delta R.T. 0.07 min
 Lab File: VY000803.D
 Acq: 26 Nov 2019 14:57

Tgt Ion: 156 Resp: 8134
 Ion Ratio Lower Upper
 156 100
 77 15.0 98.2 294.4#
 158 0.4 49.6 149.0#

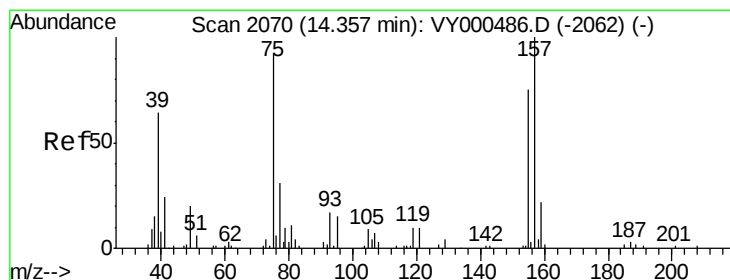
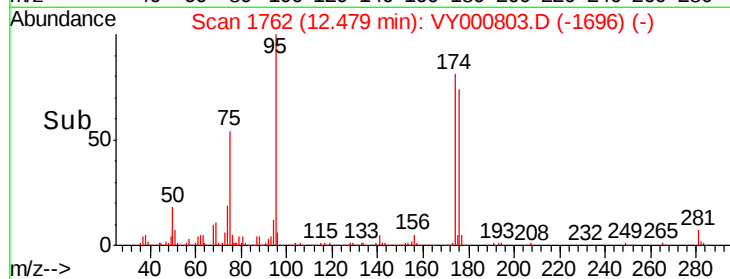
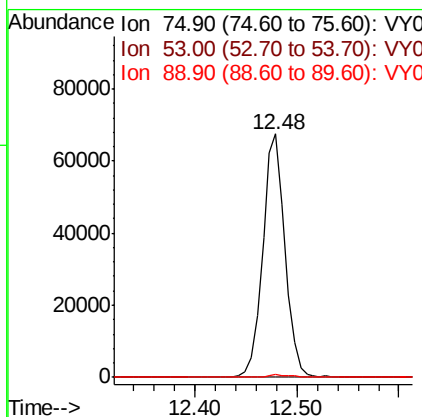
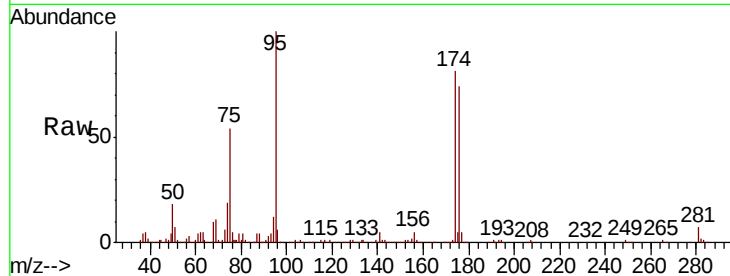




#81
trans-1,4-Dichloro-2-butene
Concen: 111.791 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000803.D
Acq: 26 Nov 2019 14:57

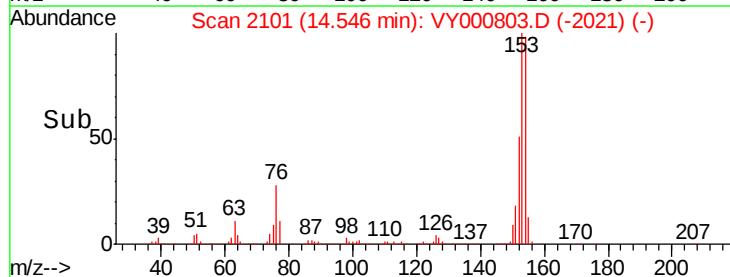
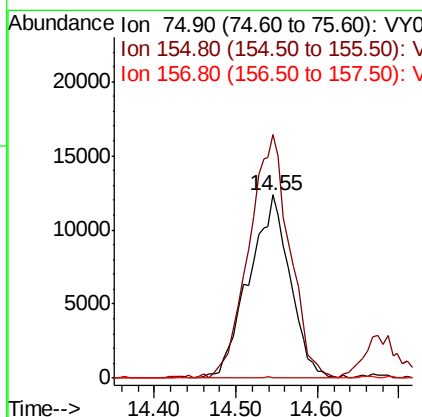
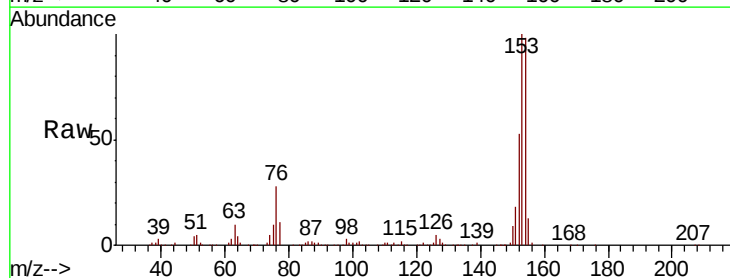
Instrument :
MSVOA_Y
ClientSampleId :

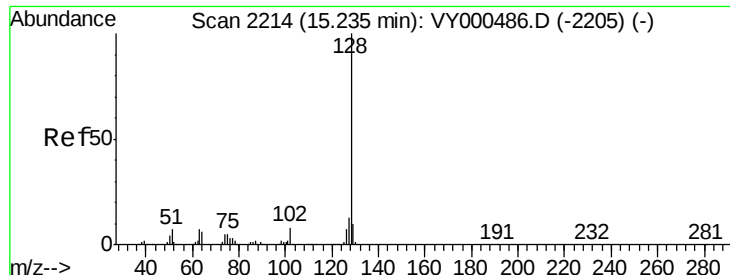
Tot Ion: 75 Resp: 101862
Ion Ratio Lower Upper
75 100
53 0.2 73.2 109.8#
89 1.2 35.9 53.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 92.742 ug/l
RT: 14.55 min Scan# 2101
Delta R.T. 0.19 min
Lab File: VY000803.D
Acq: 26 Nov 2019 14:57

Tgt Ion: 75 Resp: 43096
Ion Ratio Lower Upper
75 100
155 132.3 42.4 127.1#
157 0.1 55.1 165.3#

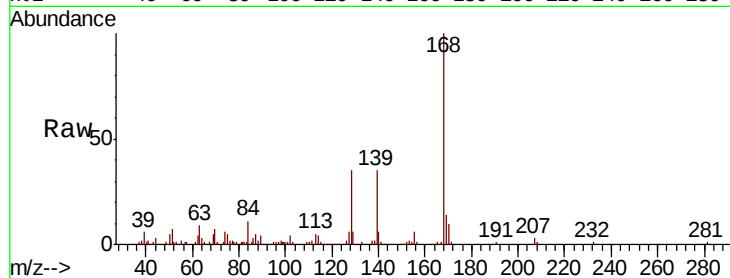




#95
 Naphthalene
 Concen: 1.762 ug/l
 RT: 15.23 min Scan# 2213
 Delta R.T. -0.01 min
 Lab File: VY000803.D
 Acq: 26 Nov 2019 14:57

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	18.5	9.8	14.6#
129	16.6	8.7	13.1#



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

