

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051321\
 Data File : VY004763.D
 Acq On : 13 May 2021 14:26
 Operator : SY/MD
 Sample : M2383-01
 Misc : 5.34G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

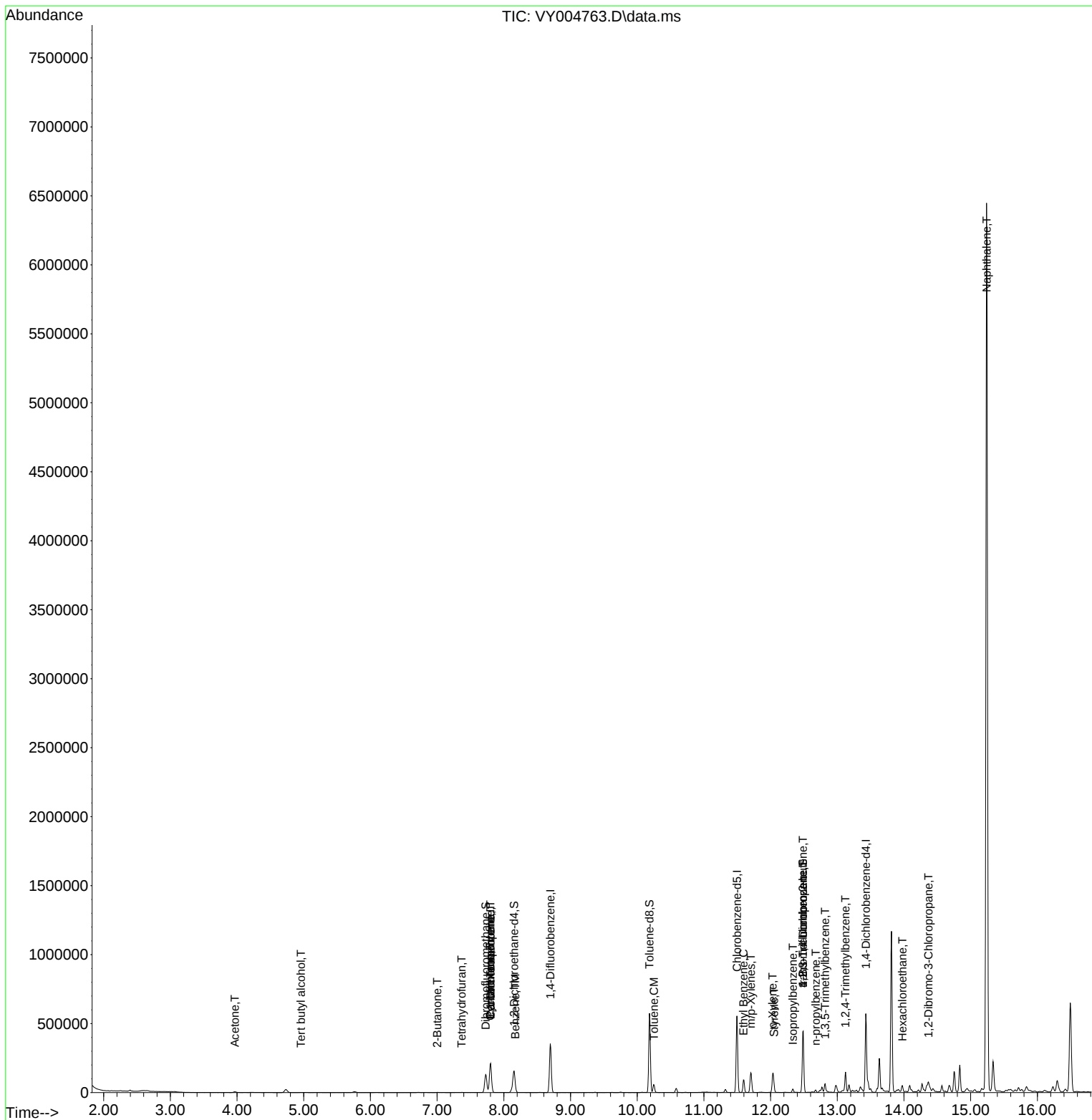
Quant Time: May 14 02:28:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

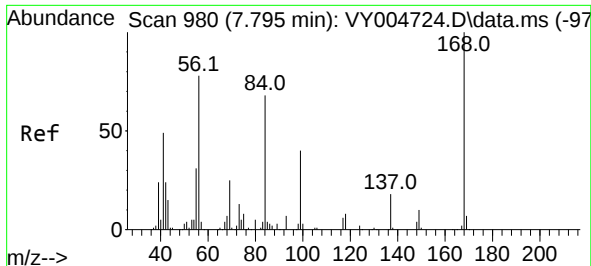
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.801	168	154587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	283304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	275004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132378	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	112118	60.93	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.86%			
35) Dibromofluoromethane	7.728	113	90648	58.45	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.90%			
50) Toluene-d8	10.185	98	352037	50.25	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.50%			
62) 4-Bromofluorobenzene	12.483	95	126616	53.55	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.10%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	765	4.14	ug/l #	71
16) Acetone	3.966	43	11209	27.12	ug/l	99
20) Methylene Chloride	4.735	84	16050	Below Cal		93
25) 2-Butanone	7.002	43	2057	2.80	ug/l #	88
29) Tetrahydrofuran	7.368	42	838	1.79	ug/l #	81
31) Cyclohexane	7.795	56	4101	1.38	ug/l #	9
36) 1,1-Dichloropropene	7.801	75	12846	4.42	ug/l #	50
38) Carbon Tetrachloride	7.801	117	16031	6.14	ug/l #	16
40) Benzene	8.173	78	12624	1.54	ug/l	95
52) Toluene	10.252	92	23269	4.49	ug/l	99
67) Ethyl Benzene	11.593	91	60977	5.80	ug/l	99
68) m/p-Xylenes	11.703	106	42320	10.71	ug/l	100
69) o-Xylene	12.032	106	31658	8.57	ug/l	99
70) Styrene	12.050	104	22595	3.65	ug/l #	86
73) Isopropylbenzene	12.337	105	13976	1.40	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	70912	50.43	ug/l #	100
78) n-propylbenzene	12.678	91	13129	1.08	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	28245	3.41	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	70912	87.45	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.123	105	72453	8.73	ug/l	99
90) Hexachloroethane	13.977	117	3234	2.57	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.367	75	2646	7.11	ug/l #	7
95) Naphthalene	15.239	128	4954567	910.91	ug/l	99

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

Quant Time: May 14 02:28:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260
QLast Update : Tue May 11 04:13:44 2021
Response via : Initial Calibration

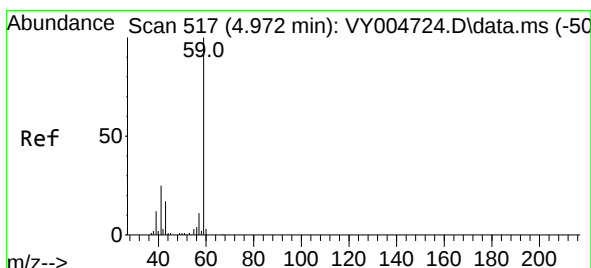
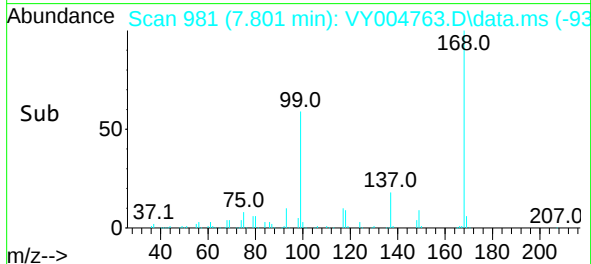
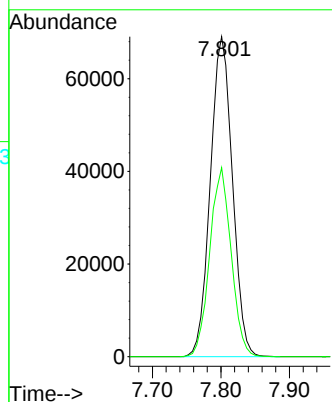
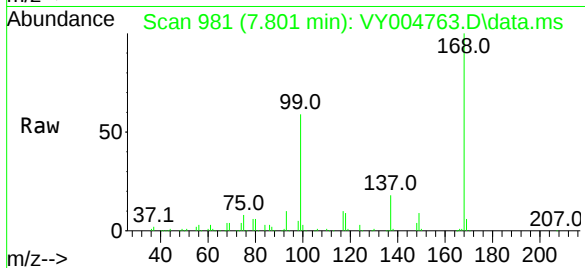




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

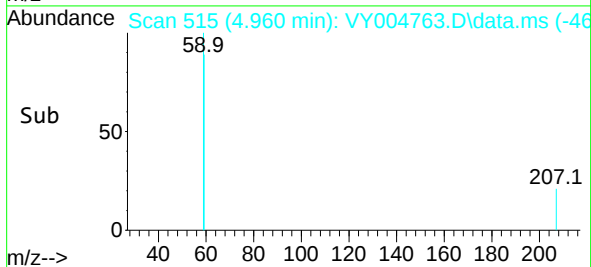
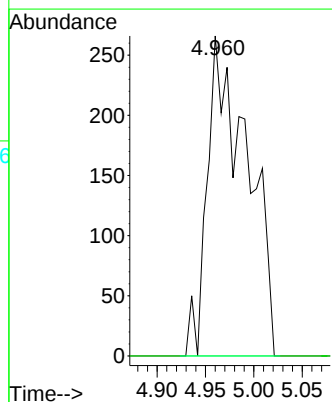
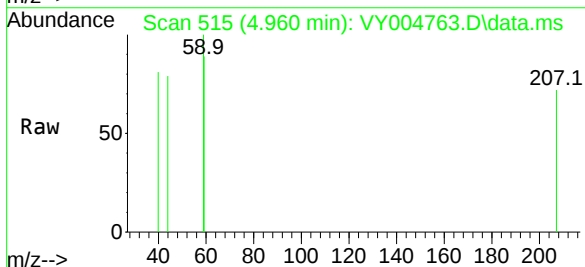
Instrument :
MSVOA_Y
ClientSampleId :

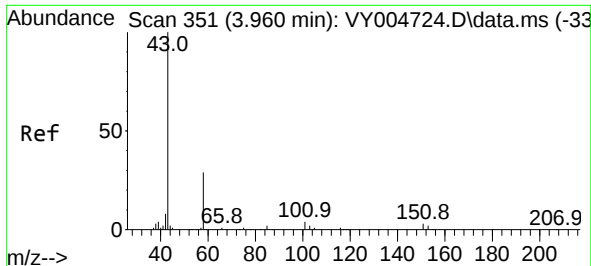
Tgt Ion:168 Resp: 154587
Ion Ratio Lower Upper
168 100
99 59.1 45.6 68.4



#11
Tert butyl alcohol
Concen: 4.14 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

Tgt Ion: 59 Resp: 765
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

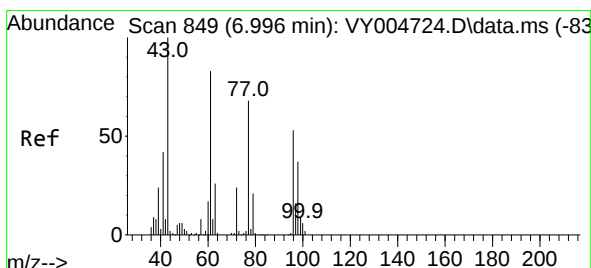
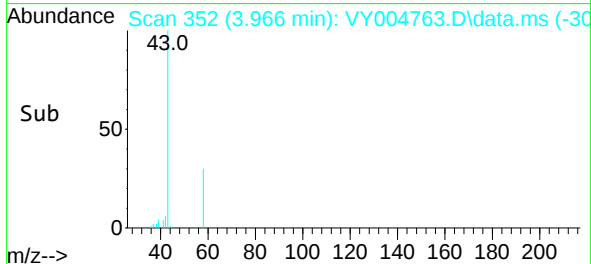
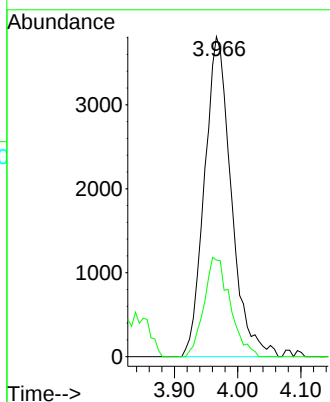
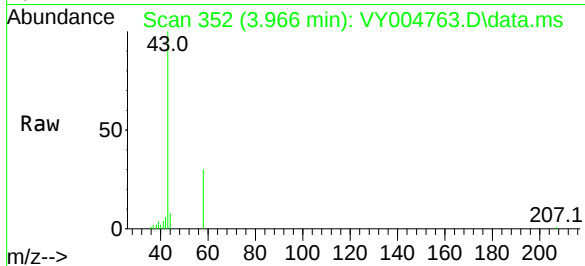




#16
Acetone
Concen: 27.12 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

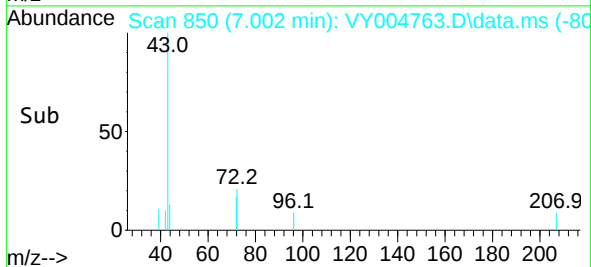
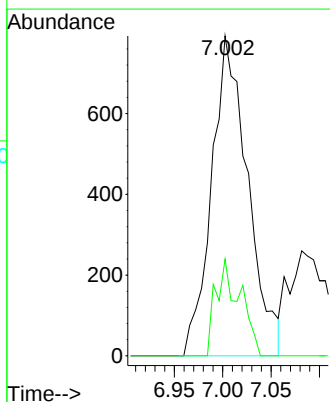
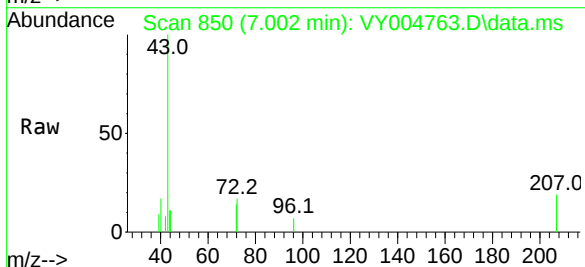
Instrument :
MSVOA_Y
ClientSampleId :

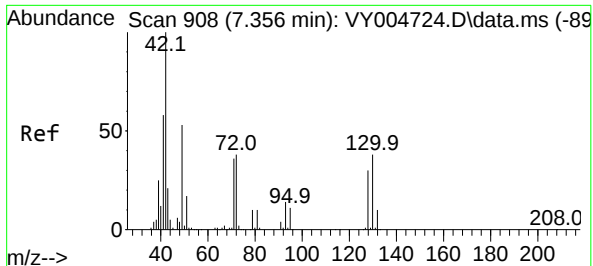
Tgt Ion: 43 Resp: 11209
Ion Ratio Lower Upper
43 100
58 30.2 23.6 35.4



#25
2-Butanone
Concen: 2.80 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

Tgt Ion: 43 Resp: 2057
Ion Ratio Lower Upper
43 100
72 30.3 19.4 29.0#





#29

Tetrahydrofuran

Concen: 1.79 ug/l

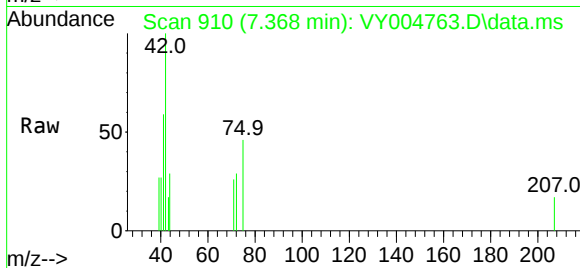
RT: 7.368 min Scan# 910

Delta R.T. 0.012 min

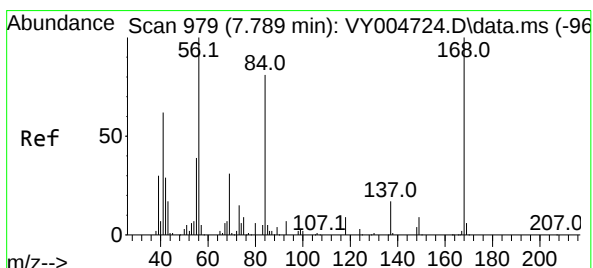
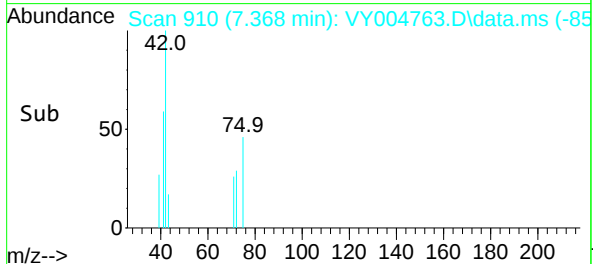
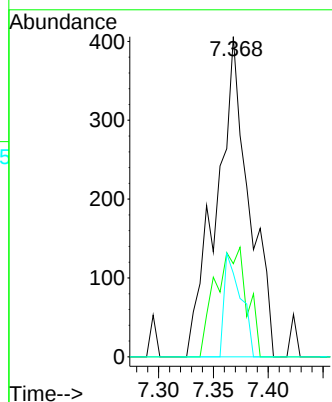
Lab File: VY004763.D

Acq: 13 May 2021 14:26

Instrument :
MSVOA_Y
ClientSampled :



Tgt Ion:	42	Resp:	838
Ion Ratio	Lower	Upper	
42	100		
72	32.9	29.4	44.0
71	16.5	28.0	42.0#



#31

Cyclohexane

Concen: 1.38 ug/l

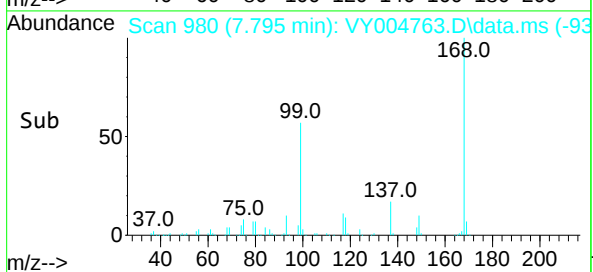
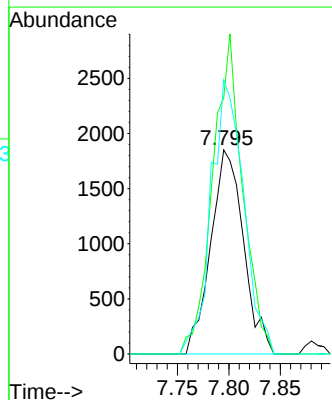
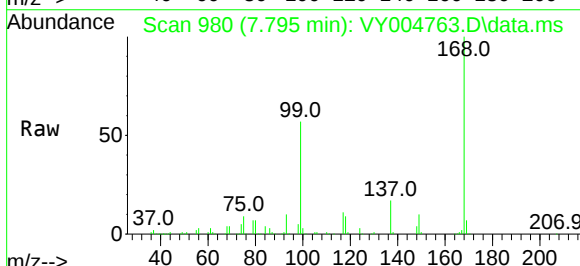
RT: 7.795 min Scan# 980

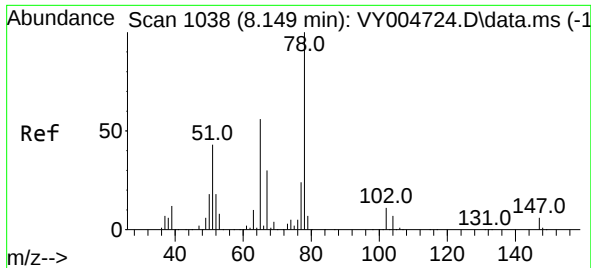
Delta R.T. 0.006 min

Lab File: VY004763.D

Acq: 13 May 2021 14:26

Tgt Ion:	56	Resp:	4101
Ion Ratio	Lower	Upper	
56	100		
69	125.6	24.4	36.6#
84	134.3	64.8	97.2#

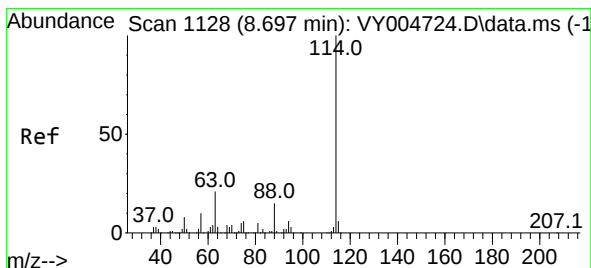
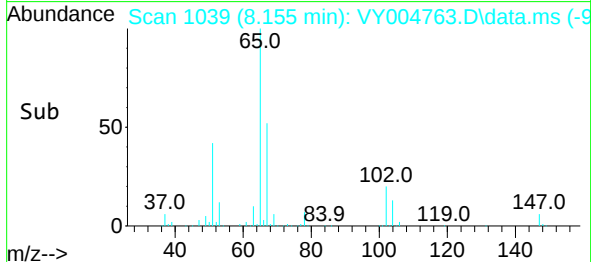
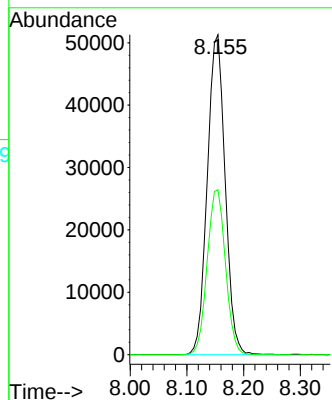
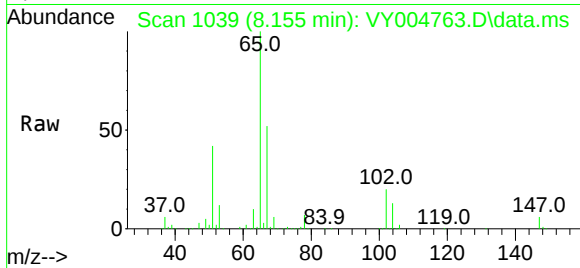




#33
 1,2-Dichloroethane-d4
 Concen: 60.93 ug/l
 RT: 8.155 min Scan# 1039
 Delta R.T. 0.006 min
 Lab File: VY004763.D
 Acq: 13 May 2021 14:26

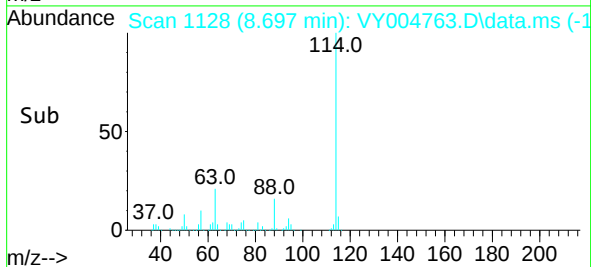
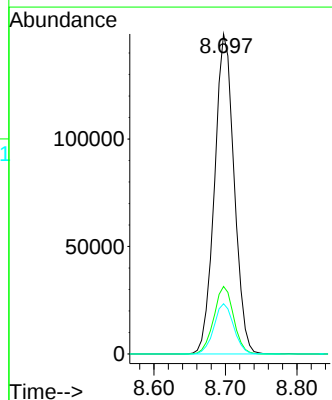
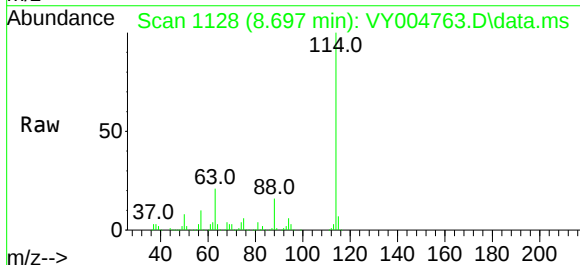
Instrument :
 MSVOA_Y
 ClientSampled :

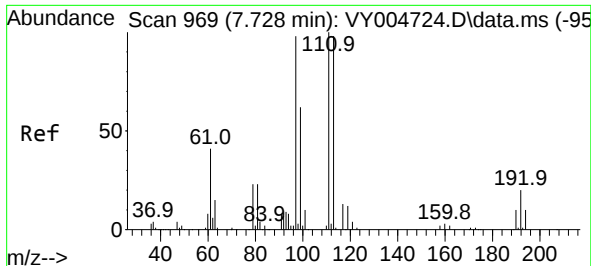
Tgt Ion: 65 Resp: 112118
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.000 min
 Lab File: VY004763.D
 Acq: 13 May 2021 14:26

Tgt Ion: 114 Resp: 283304
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.8
 88 15.7 0.0 31.0

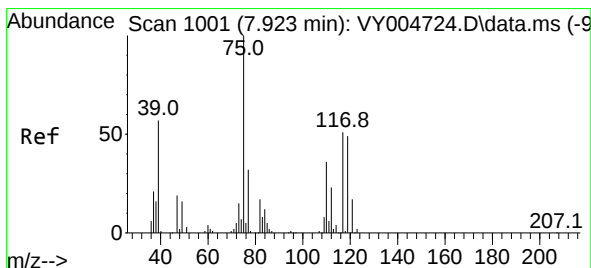
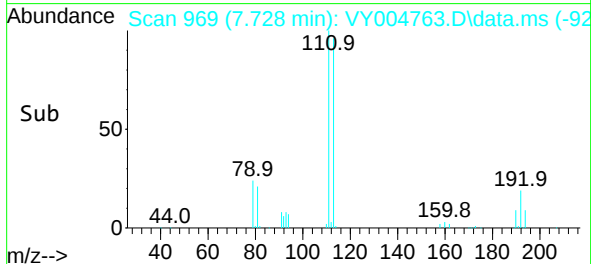
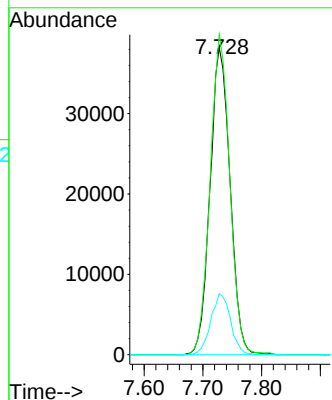
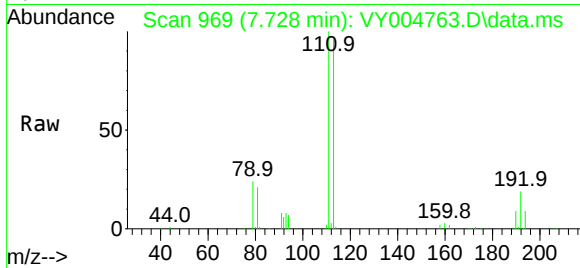




#35
Dibromofluoromethane
Concen: 58.45 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

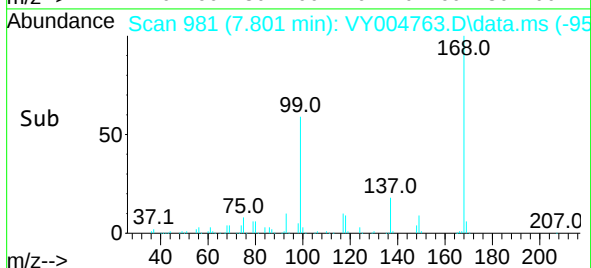
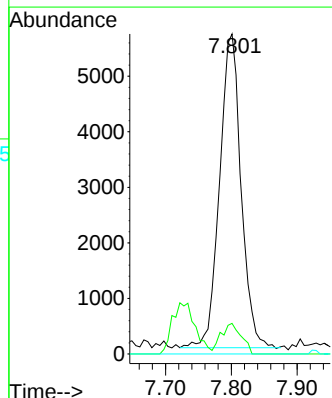
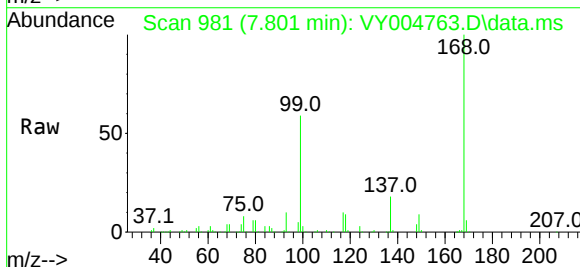
Instrument :
MSVOA_Y
ClientSampleId :

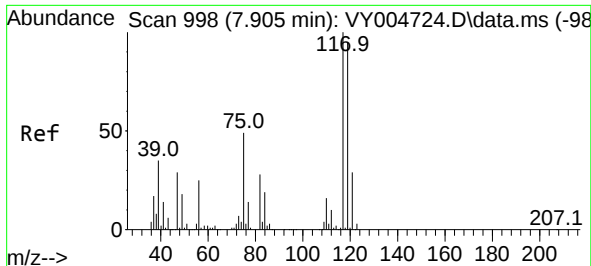
Tgt Ion:	113	Resp:	90648
Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.5	120.7
192	19.5	15.0	22.6



#36
1,1-Dichloropropene
Concen: 4.42 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

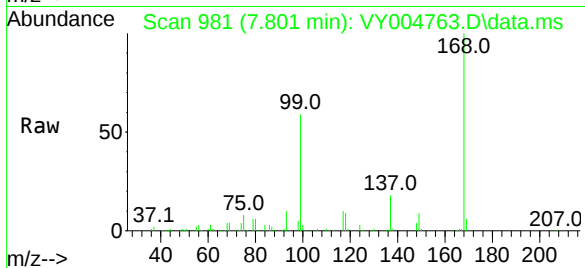
Tgt Ion:	75	Resp:	12846
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.0	50.9#
77	0.0	25.0	37.4#



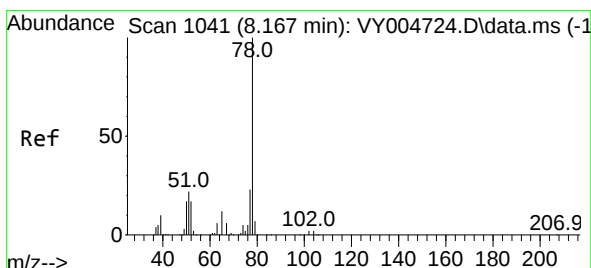
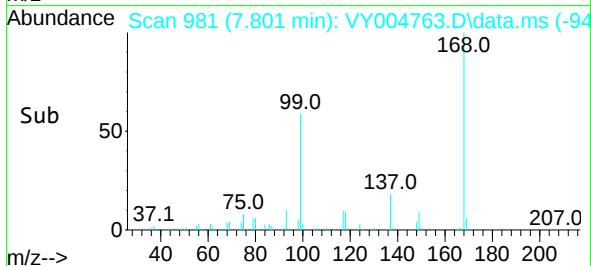
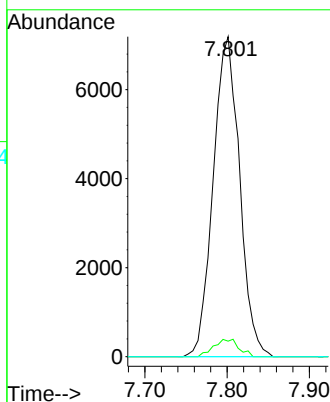


#38
Carbon Tetrachloride
Concen: 6.14 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

Instrument :
MSVOA_Y
ClientSampleId :

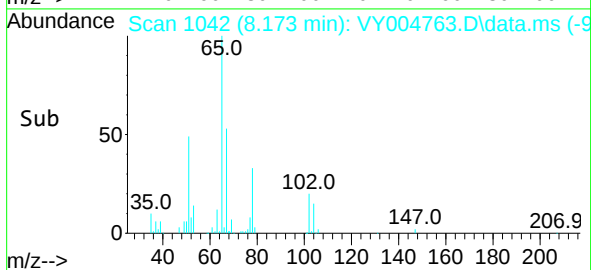
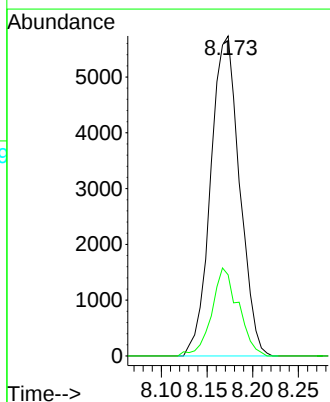
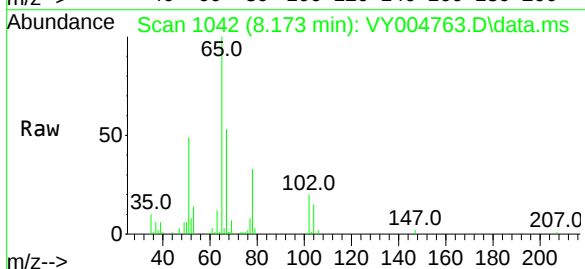


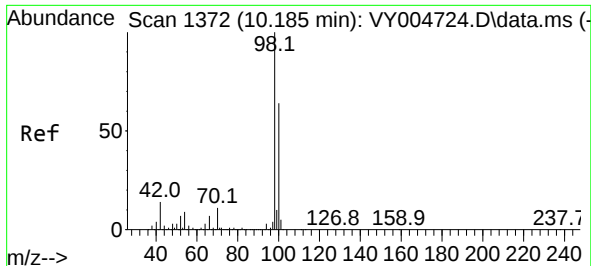
Tgt Ion:117 Resp: 16031
Ion Ratio Lower Upper
117 100
119 4.8 76.3 114.5#
121 0.0 23.0 34.6#



#40
Benzene
Concen: 1.54 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

Tgt Ion: 78 Resp: 12624
Ion Ratio Lower Upper
78 100
77 25.3 18.4 27.6

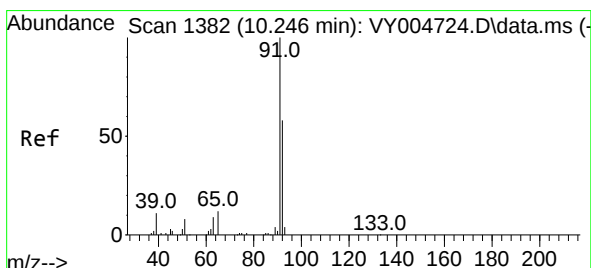
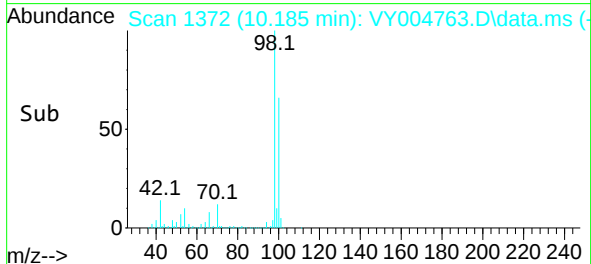
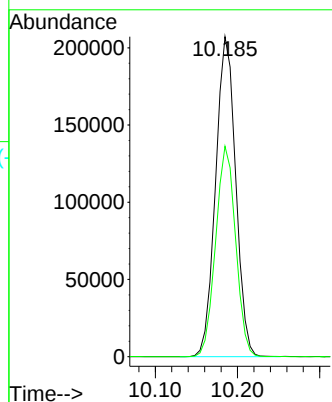
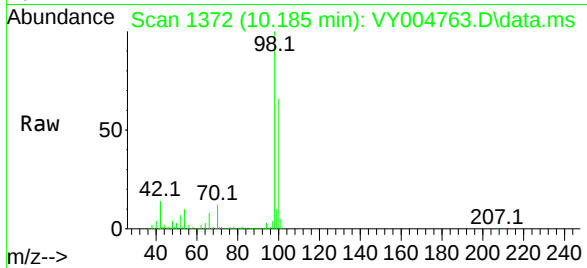




#50
Toluene-d8
Concen: 50.25 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

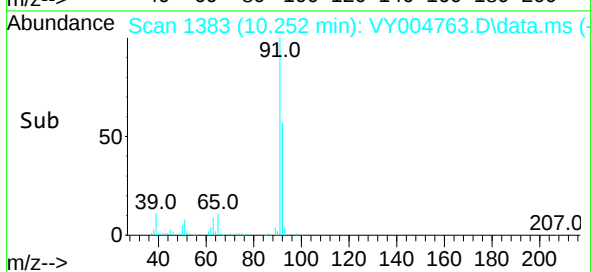
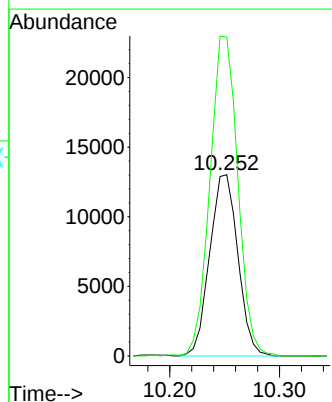
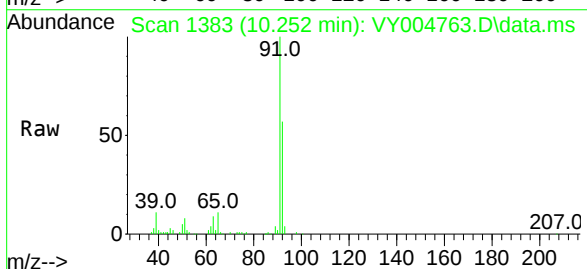
Instrument :
MSVOA_Y
ClientSampled :

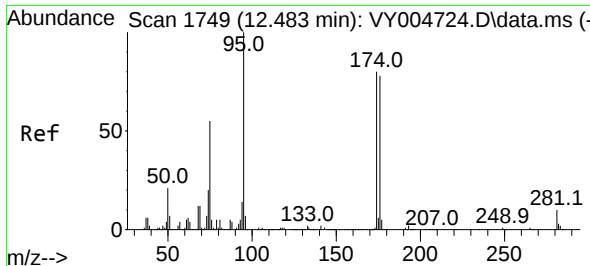
Tgt Ion: 98 Resp: 352037
Ion Ratio Lower Upper
98 100
100 65.2 51.5 77.3



#52
Toluene
Concen: 4.49 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

Tgt Ion: 92 Resp: 23269
Ion Ratio Lower Upper
92 100
91 174.8 138.2 207.4

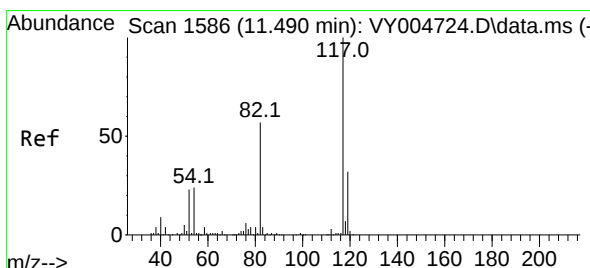
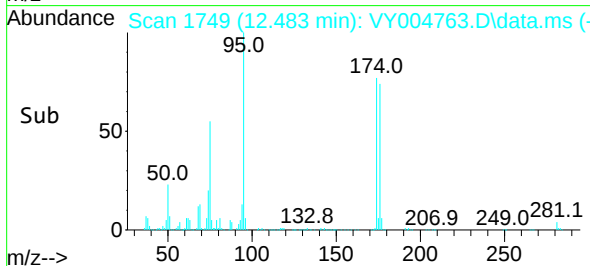
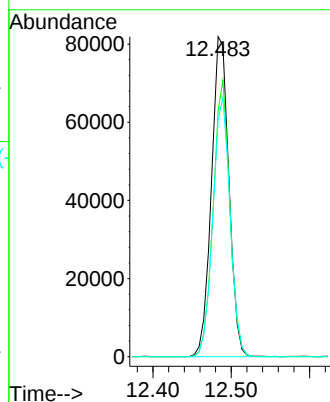
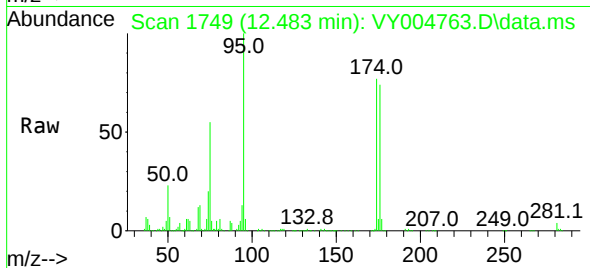




#62
4-Bromofluorobenzene
Concen: 53.55 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

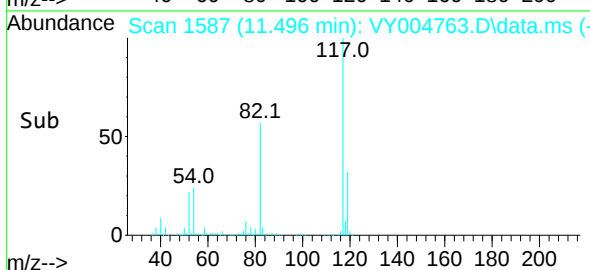
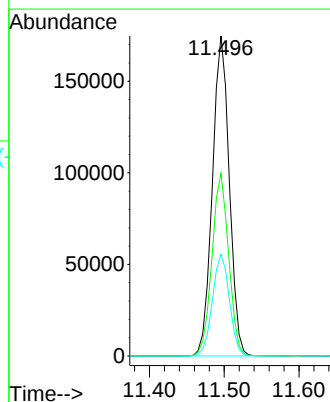
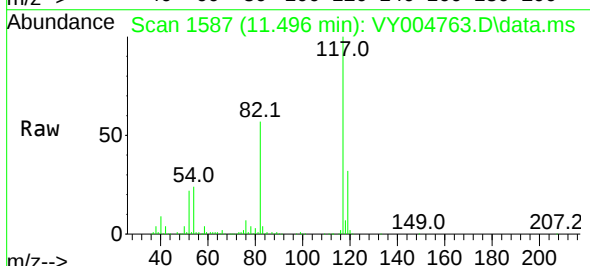
Instrument :
MSVOA_Y
ClientSampleId :

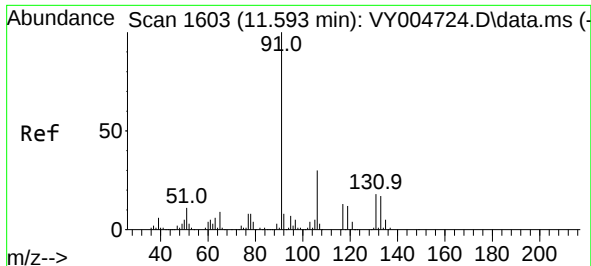
Tgt Ion: 95 Resp: 126616
Ion Ratio Lower Upper
95 100
174 82.4 0.0 164.2
176 79.8 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

Tgt Ion: 117 Resp: 275004
Ion Ratio Lower Upper
117 100
82 57.1 45.4 68.2
119 31.8 25.8 38.6

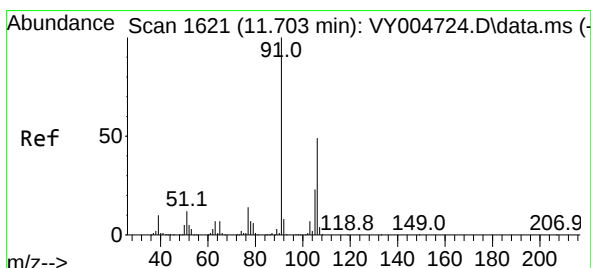
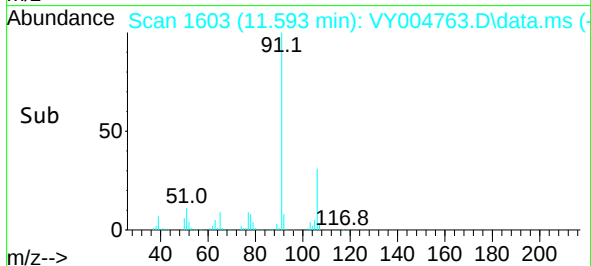
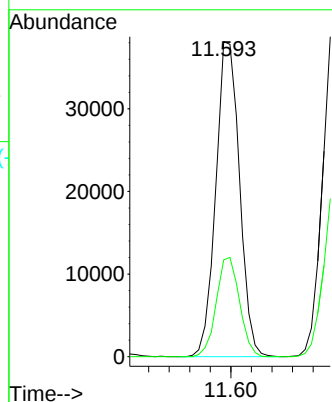
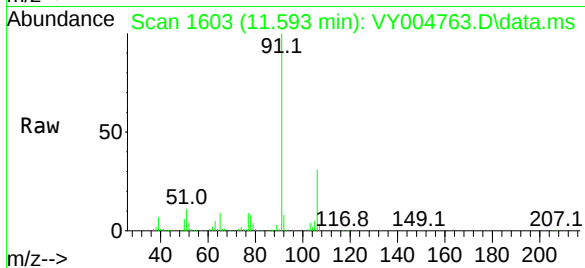




#67
Ethyl Benzene
Concen: 5.80 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

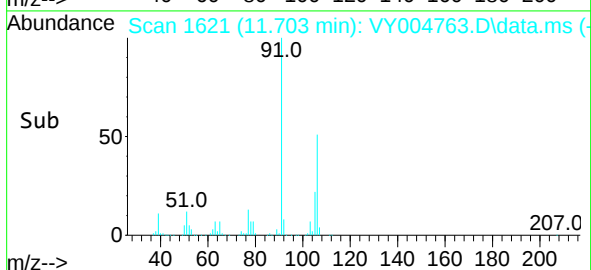
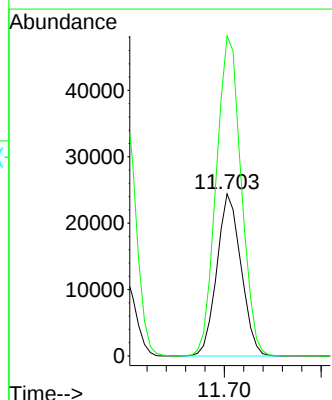
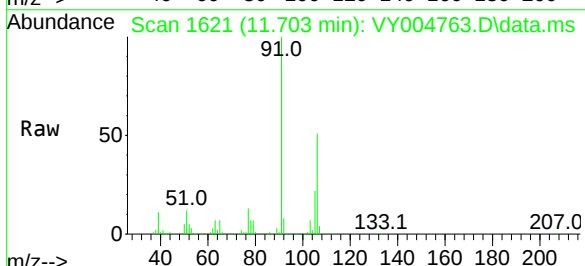
Instrument :
MSVOA_Y
ClientSampled :

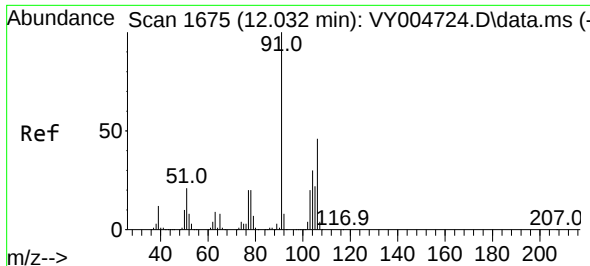
Tgt Ion: 91 Resp: 60977
Ion Ratio Lower Upper
91 100
106 30.7 24.0 36.0



#68
m/p-Xylenes
Concen: 10.71 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

Tgt Ion: 106 Resp: 42320
Ion Ratio Lower Upper
106 100
91 203.8 163.6 245.4

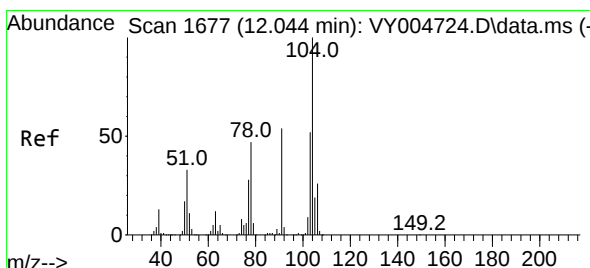
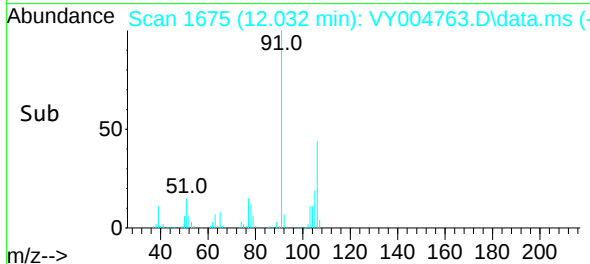
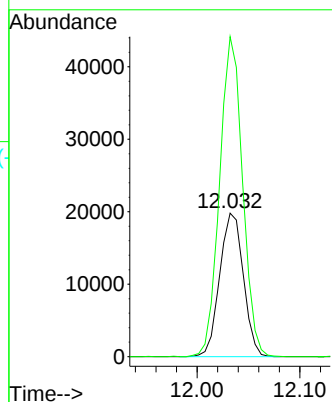
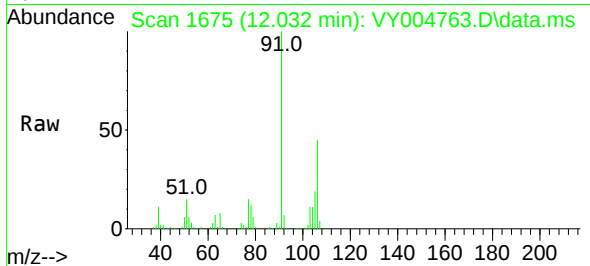




#69
o-Xylene
Concen: 8.57 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

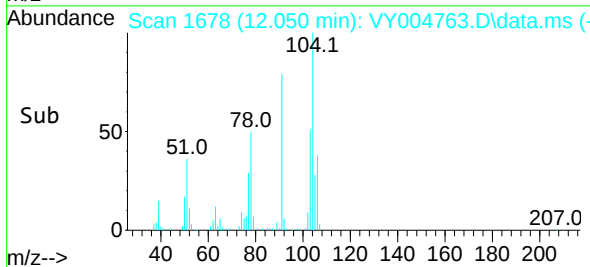
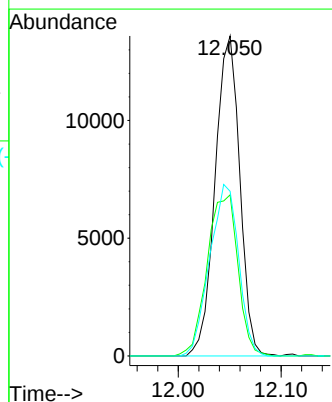
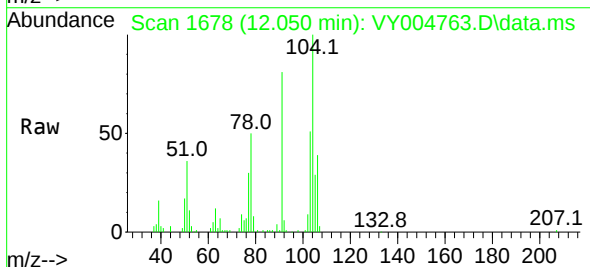
Instrument :
MSVOA_Y
ClientSampled :

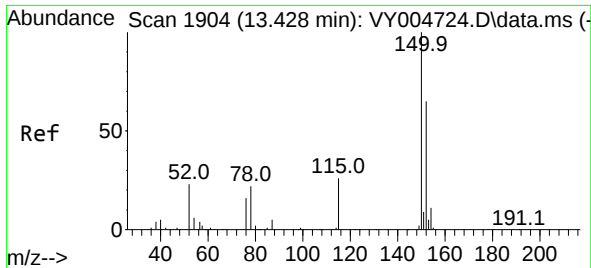
Tgt Ion:106 Resp: 31658
Ion Ratio Lower Upper
106 100
91 216.5 108.9 326.7



#70
Styrene
Concen: 3.65 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

Tgt Ion:104 Resp: 22595
Ion Ratio Lower Upper
104 100
78 62.8 40.3 60.5#
103 62.9 44.2 66.4

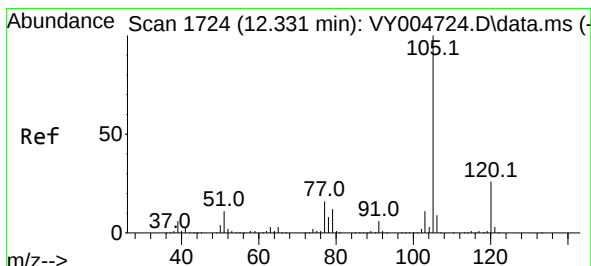
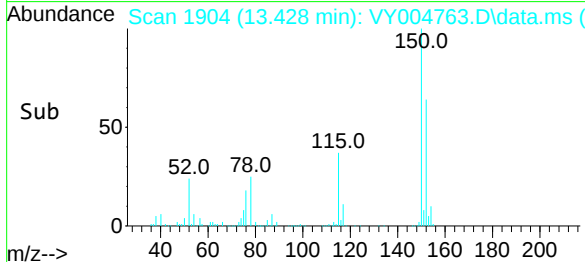
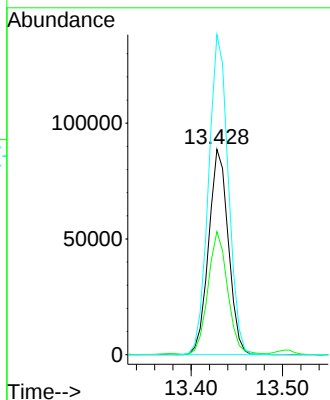
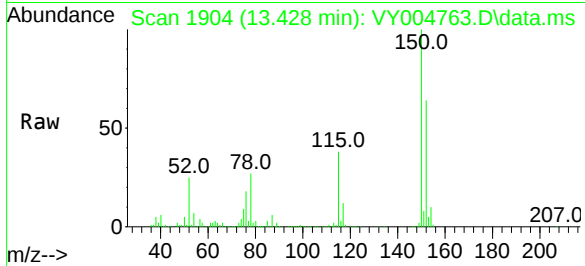




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

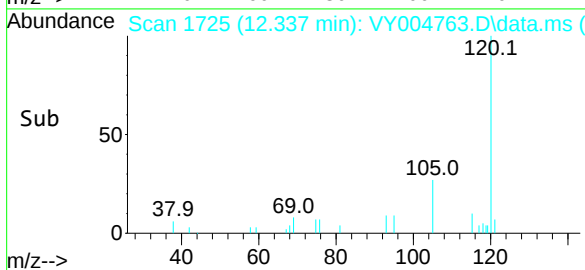
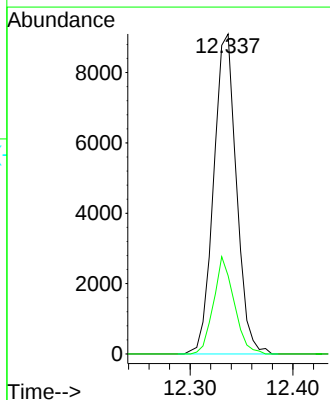
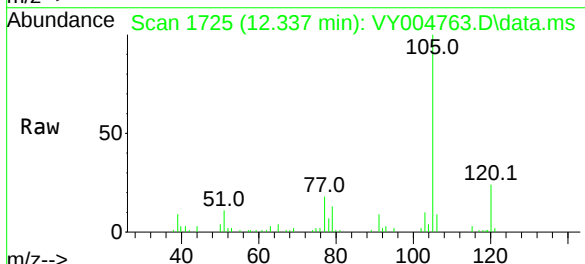
Instrument :
MSVOA_Y
ClientSampleId :

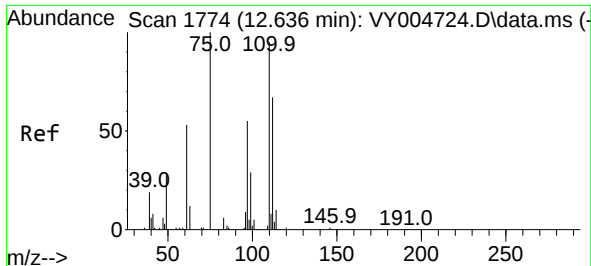
Tgt Ion:152 Resp: 132378
Ion Ratio Lower Upper
152 100
115 59.4 29.4 88.3
150 156.5 0.0 349.8



#73
Isopropylbenzene
Concen: 1.40 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

Tgt Ion:105 Resp: 13976
Ion Ratio Lower Upper
105 100
120 27.4 13.1 39.1

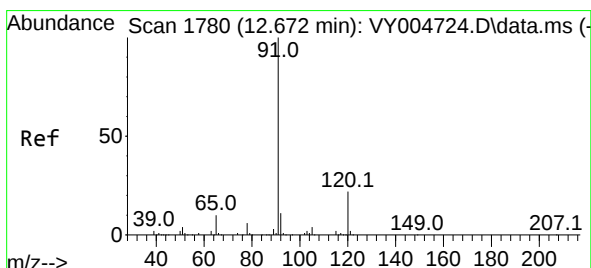
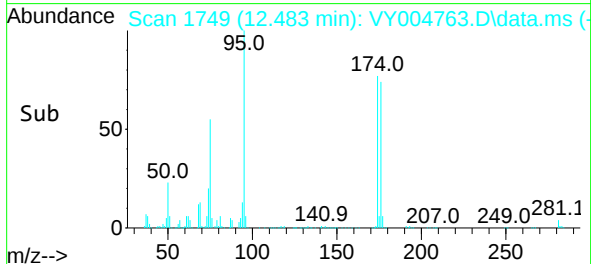
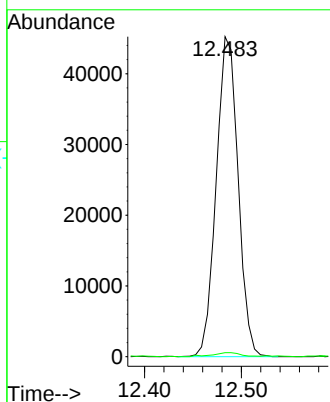
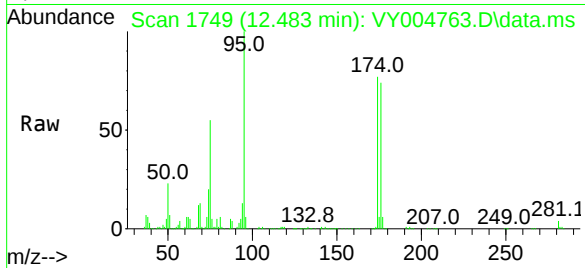




#76
1,2,3-Trichloropropane
Concen: 50.43 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

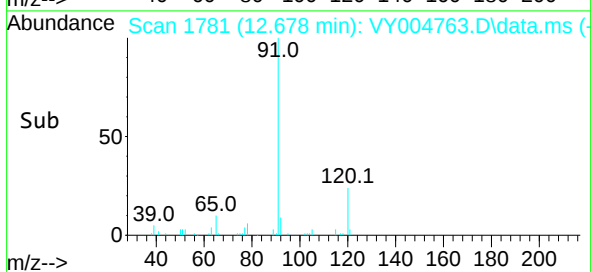
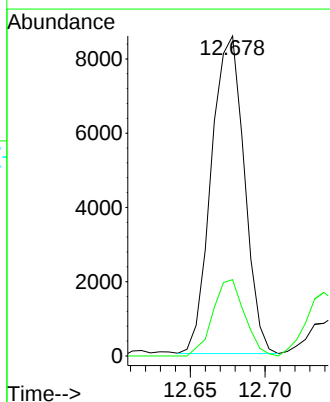
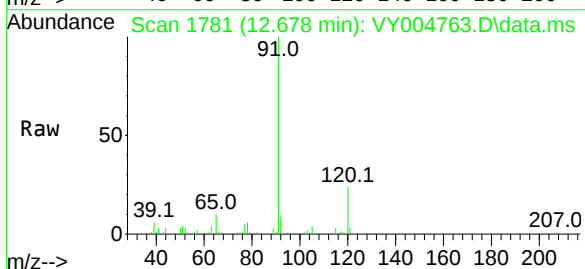
Instrument :
MSVOA_Y
ClientSampleId :

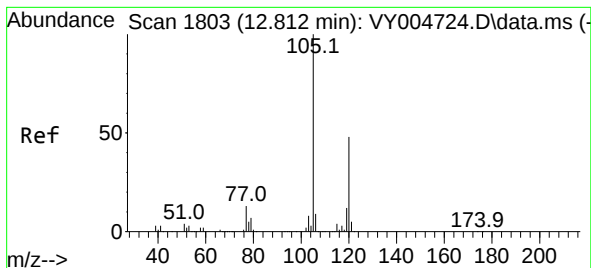
Tgt Ion: 75 Resp: 70912
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#78
n-propylbenzene
Concen: 1.08 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

Tgt Ion: 91 Resp: 13129
Ion Ratio Lower Upper
91 100
120 23.1 11.1 33.3





#80

1,3,5-Trimethylbenzene

Concen: 3.41 ug/l

RT: 12.818 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VY004763.D

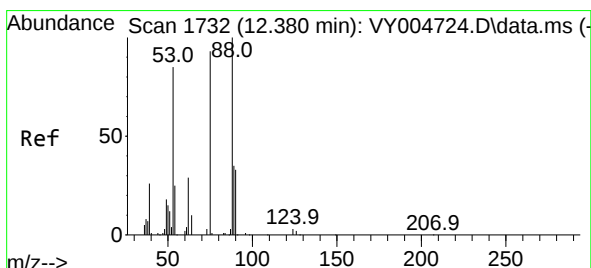
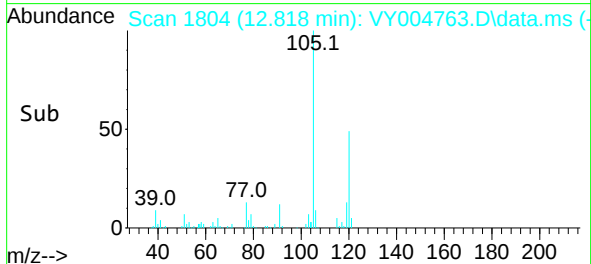
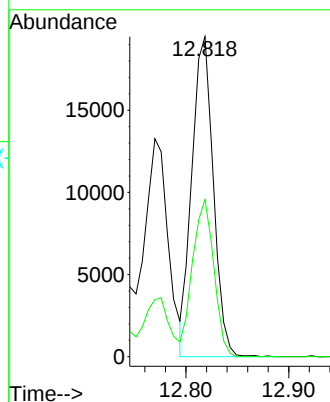
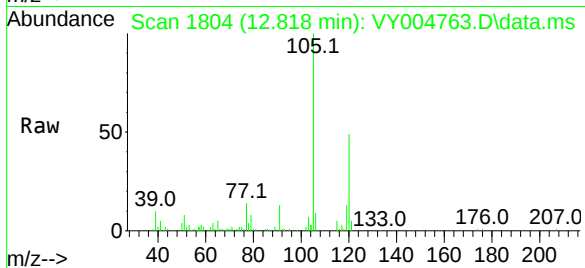
Acq: 13 May 2021 14:26

Tgt Ion:105 Resp: 28245

Ion Ratio Lower Upper

105 100

120 48.9 24.0 72.0



#81

trans-1,4-Dichloro-2-butene

Concen: 87.45 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY004763.D

Acq: 13 May 2021 14:26

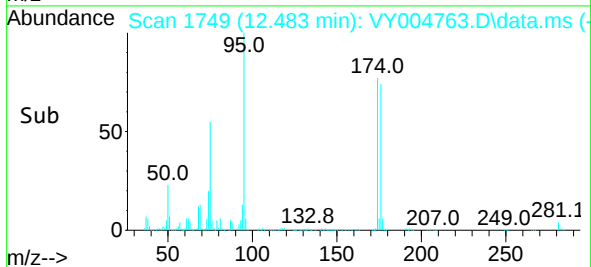
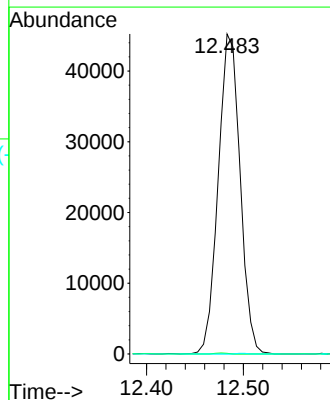
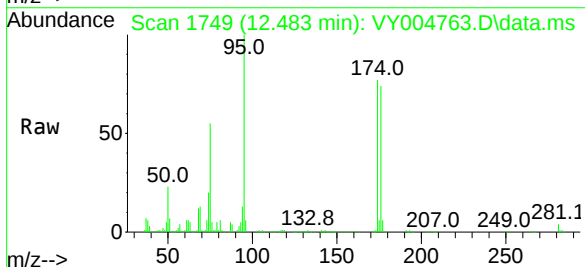
Tgt Ion: 75 Resp: 70912

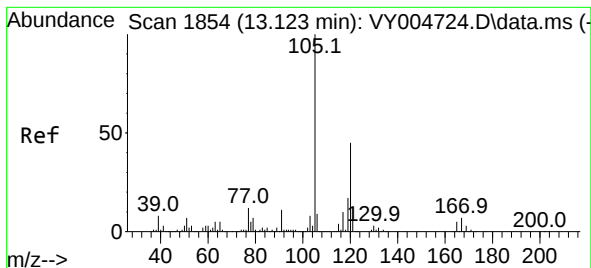
Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

89 0.0 35.5 53.3#





#84

1,2,4-Trimethylbenzene

Concen: 8.73 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.000 min

Lab File: VY004763.D

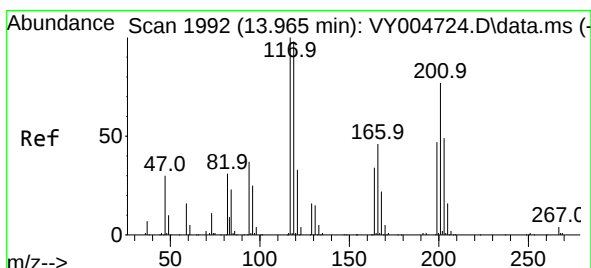
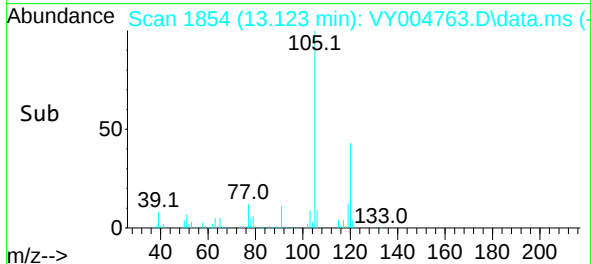
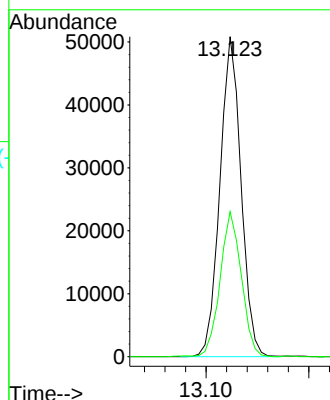
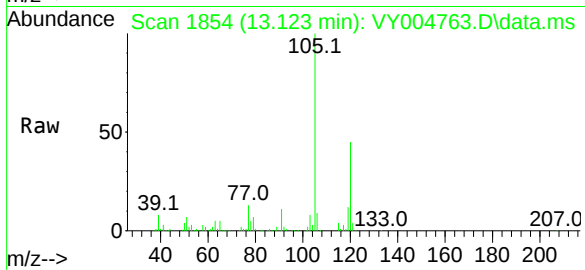
Acq: 13 May 2021 14:26

Tgt Ion:105 Resp: 72453

Ion Ratio Lower Upper

105 100

120 45.6 22.5 67.5



#90

Hexachloroethane

Concen: 2.57 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.012 min

Lab File: VY004763.D

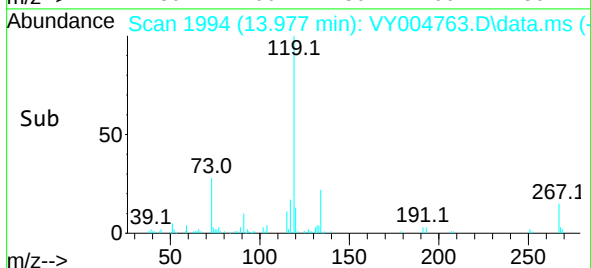
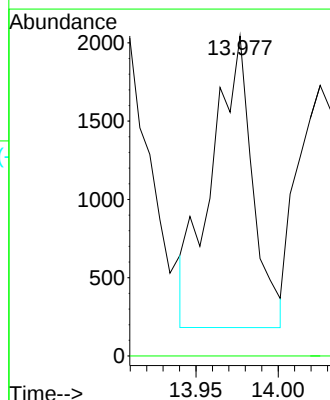
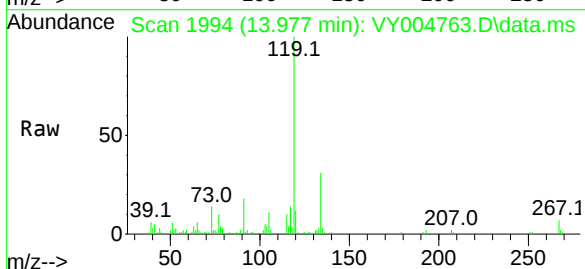
Acq: 13 May 2021 14:26

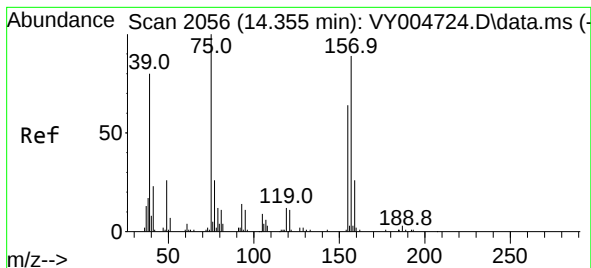
Tgt Ion:117 Resp: 3234

Ion Ratio Lower Upper

117 100

201 0.0 35.9 107.8#

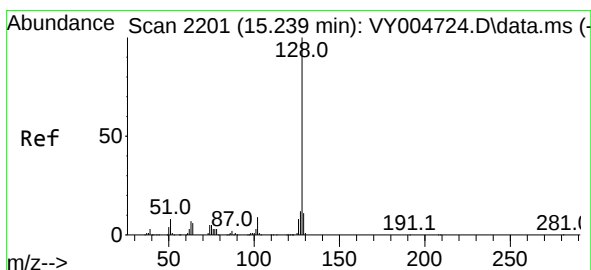
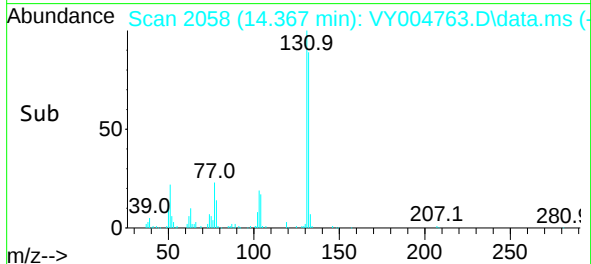
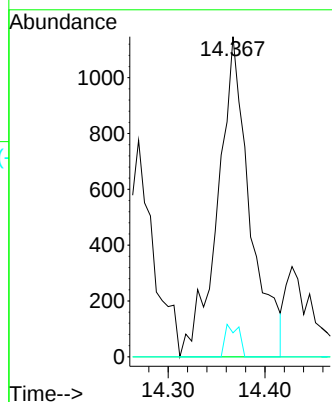
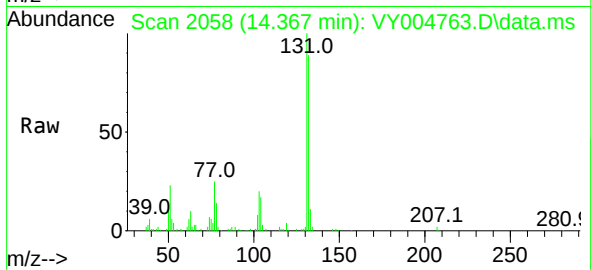




#92
1,2-Dibromo-3-Chloropropane
Concen: 7.11 ug/l
RT: 14.367 min Scan# 2058
Delta R.T. 0.012 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 2646
Ion Ratio Lower Upper
75 100
155 0.0 39.0 117.0#
157 4.3 50.2 150.7#



#95
Naphthalene
Concen: 910.91 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004763.D
Acq: 13 May 2021 14:26

Tgt Ion: 128 Resp: 4954567
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 11.1 8.6 13.0

