

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042021\
 Data File : VY004539.D
 Acq On : 20 Apr 2021 19:14
 Operator : SY/MD
 Sample : M2098-03
 Misc : 5.2Q2G/5ML/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 21 08:55:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

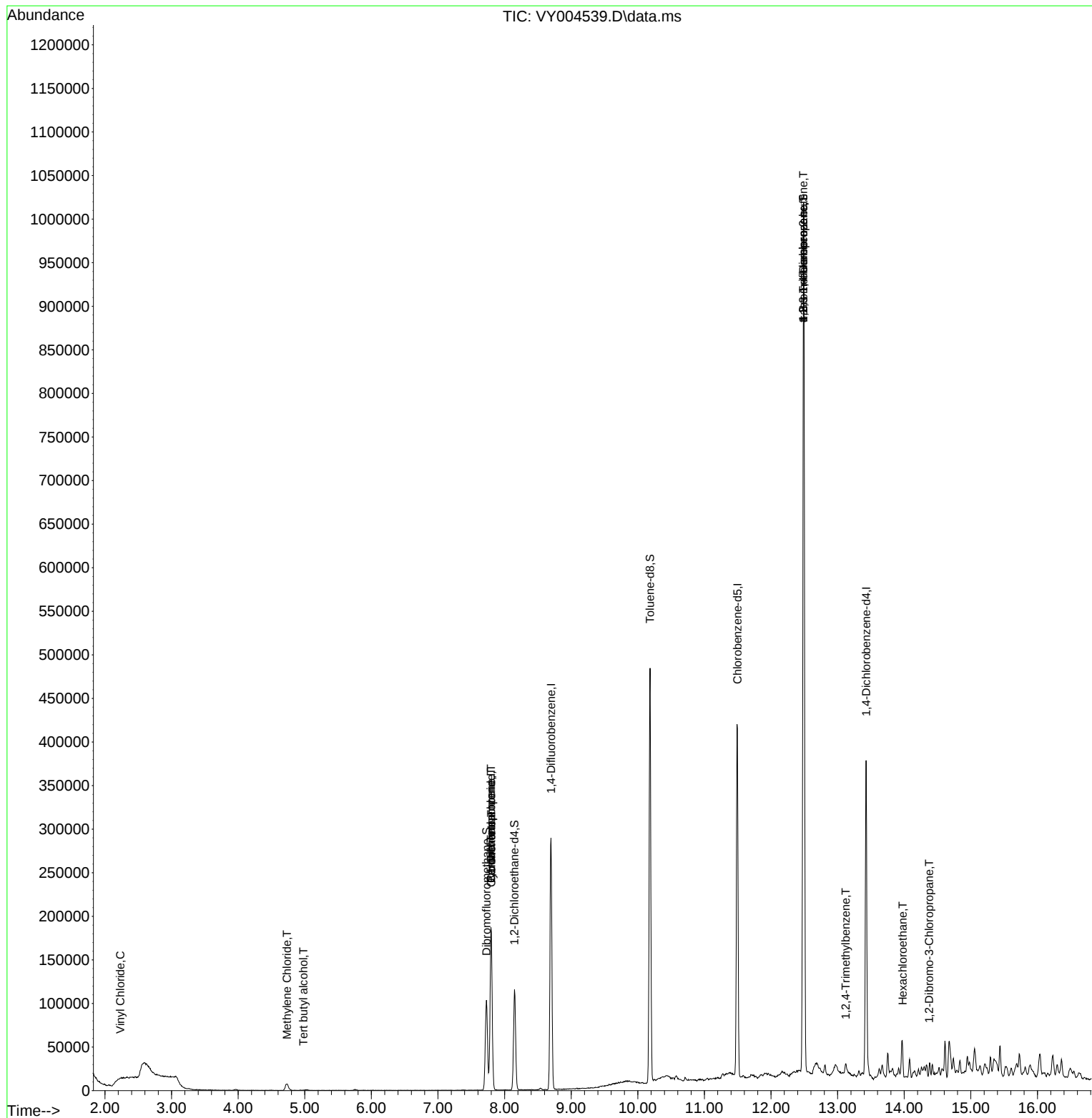
Internal Standards						
1) Pentafluorobenzene	7.795	168	137855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	240042	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	212537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	85791	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	88401	57.72	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.44%			
35) Dibromofluoromethane	7.728	113	70747	53.11	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.22%			
50) Toluene-d8	10.185	98	291121	51.38	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.76%			
62) 4-Bromofluorobenzene	12.483	95	96493	50.18	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.36%			
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.229	62	7920	4.06	ug/l #	43
11) Tert butyl alcohol	4.978	59	581	3.85	ug/l #	73
16) Acetone	3.960	43	1690	Below Cal	#	78
20) Methylene Chloride	4.735	84	5326	3.60	ug/l #	90
31) Cyclohexane	7.801	56	3501	1.25	ug/l #	7
36) 1,1-Dichloropropene	7.795	75	11441	4.80	ug/l #	50
38) Carbon Tetrachloride	7.795	117	13897	6.74	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	60389	65.58	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	60389	117.33	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.123	105	5905	1.09	ug/l	79
90) Hexachloroethane	13.977	117	1069	1.36	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.373	75	277	1.23	ug/l #	2

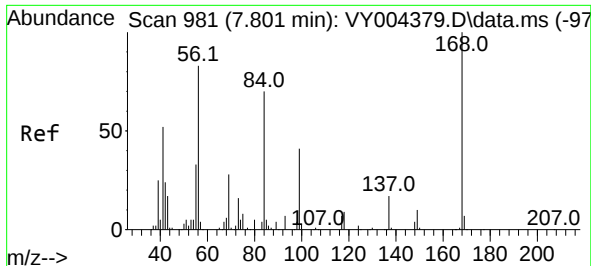
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
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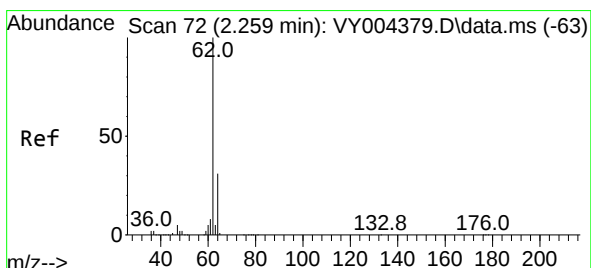
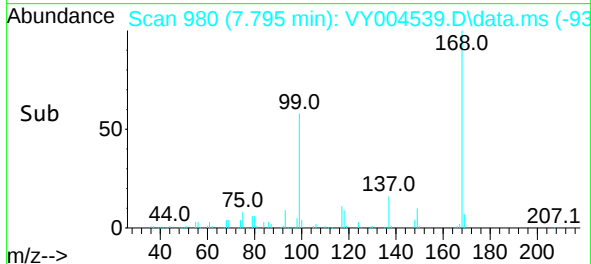
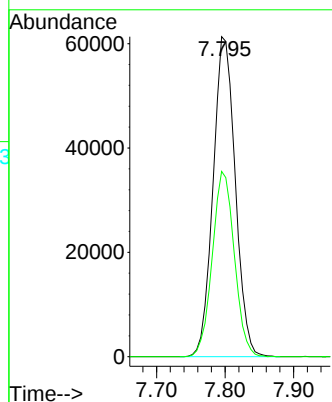
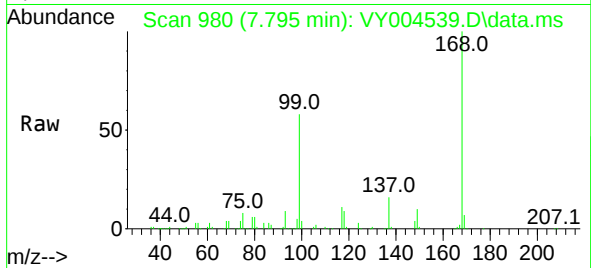




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004539.D
Acq: 20 Apr 2021 19:14

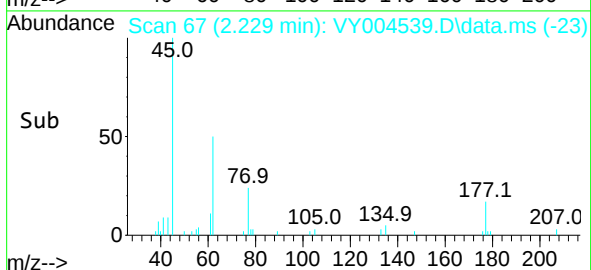
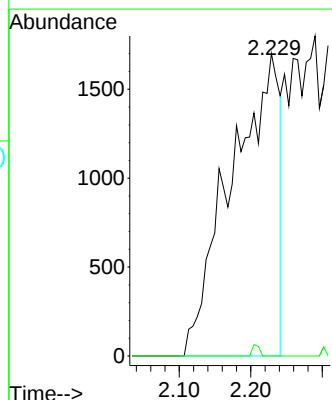
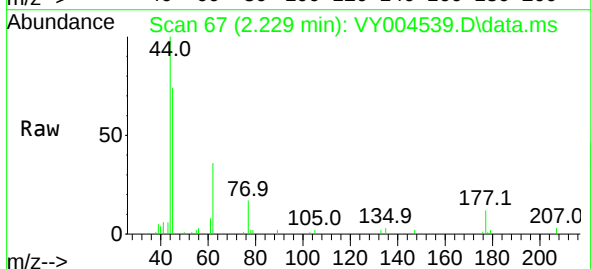
Instrument :
MSVOA_Y
ClientSampleId :

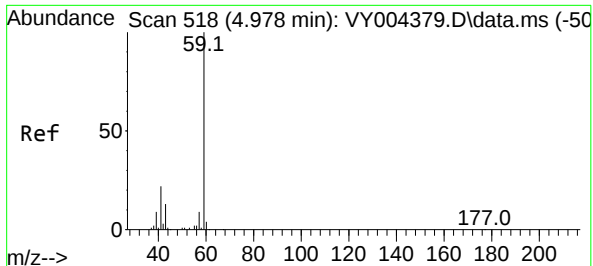
Tgt Ion:168 Resp: 137855
Ion Ratio Lower Upper
168 100
99 57.9 45.5 68.3



#4
Vinyl Chloride
Concen: 4.06 ug/l
RT: 2.229 min Scan# 67
Delta R.T. -0.030 min
Lab File: VY004539.D
Acq: 20 Apr 2021 19:14

Tgt Ion: 62 Resp: 7920
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#



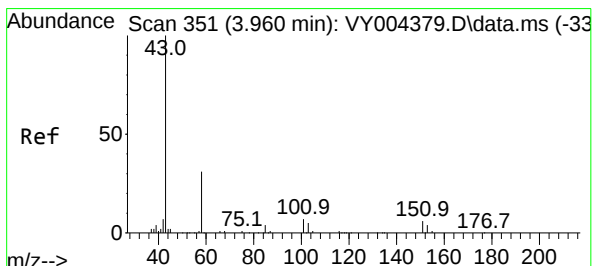
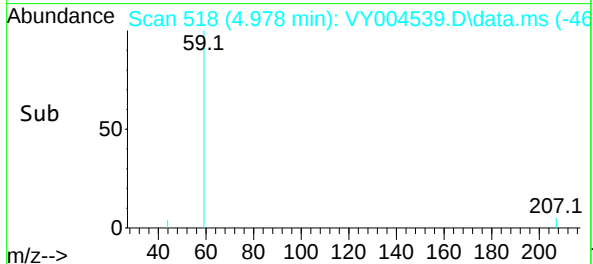
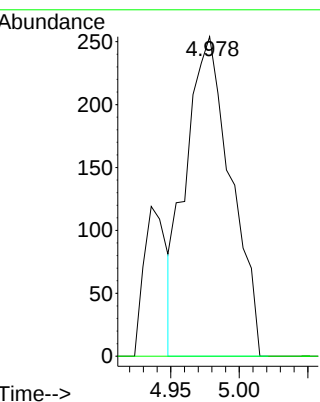
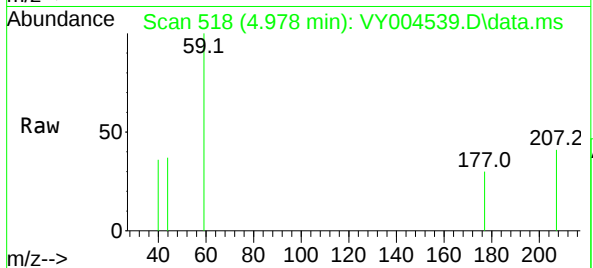


#11

Tert butyl alcohol
Concen: 3.85 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY004539.D
Acq: 20 Apr 2021 19:14

Instrument :
MSVOA_Y
ClientSampled :

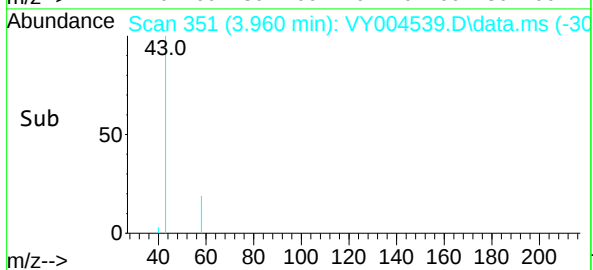
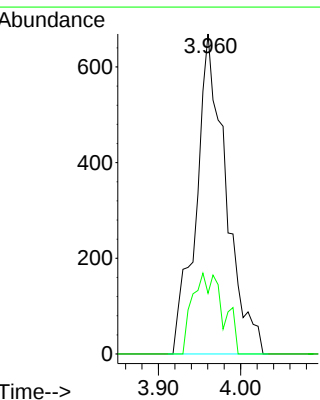
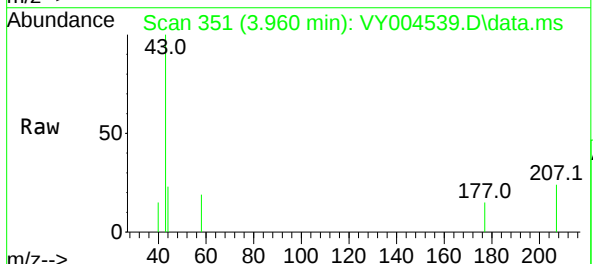
Tgt Ion: 59 Resp: 581
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

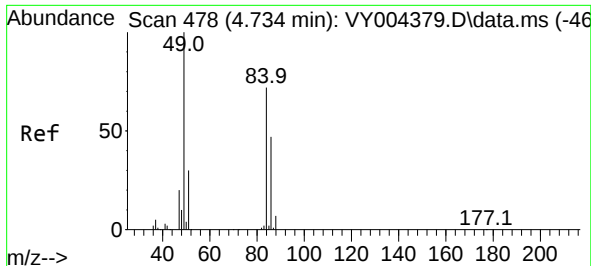


#16

Acetone
Concen: Below Cal
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004539.D
Acq: 20 Apr 2021 19:14

Tgt Ion: 43 Resp: 1690
Ion Ratio Lower Upper
43 100
58 19.0 24.6 37.0#





#20

Methylene Chloride

Concen: 3.60 ug/l

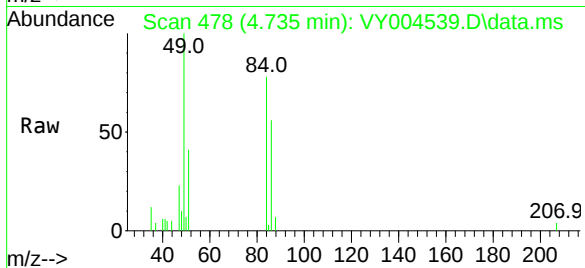
RT: 4.735 min Scan# 478

Delta R.T. 0.000 min

Lab File: VY004539.D

Acq: 20 Apr 2021 19:14

Instrument :
MSVOA_Y
ClientSampled :



Tgt Ion: 84 Resp: 5326

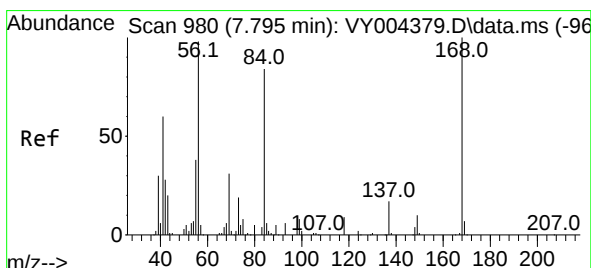
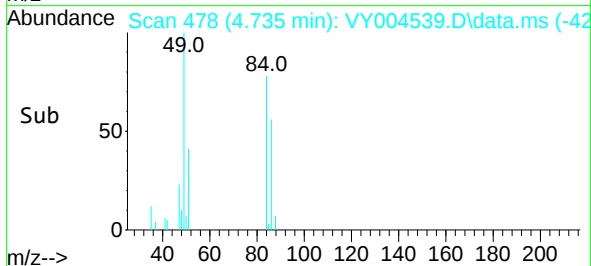
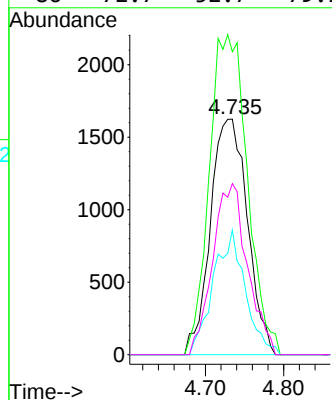
Ion Ratio Lower Upper

84 100

49 128.6 111.2 166.8

51 53.0 33.4 50.2#

86 72.7 52.7 79.1



#31

Cyclohexane

Concen: 1.25 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY004539.D

Acq: 20 Apr 2021 19:14

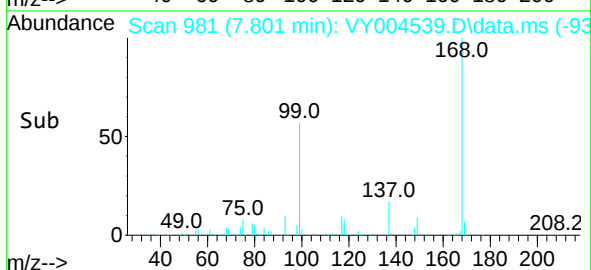
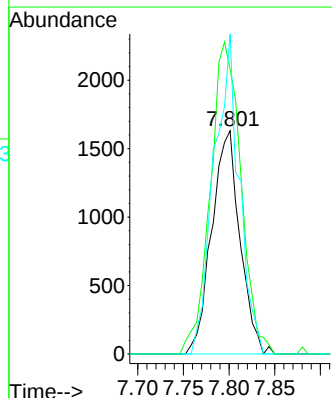
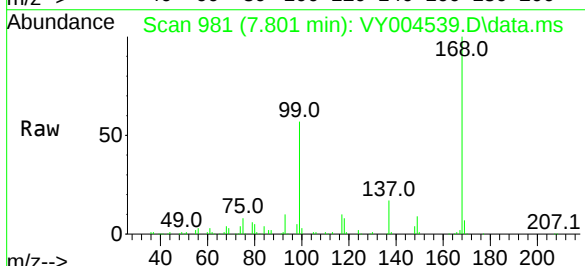
Tgt Ion: 56 Resp: 3501

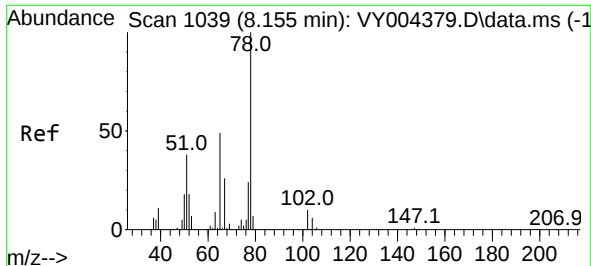
Ion Ratio Lower Upper

56 100

69 127.5 25.8 38.6#

84 143.3 68.2 102.4#

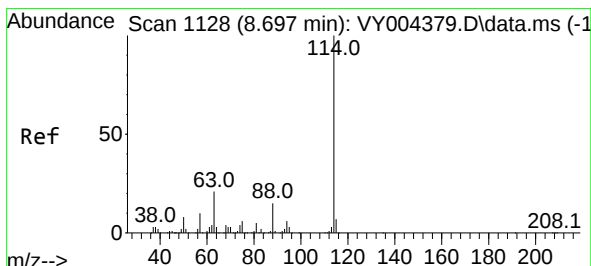
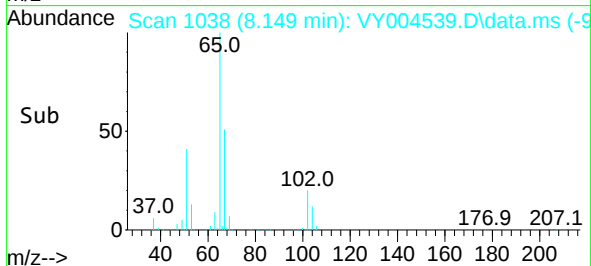
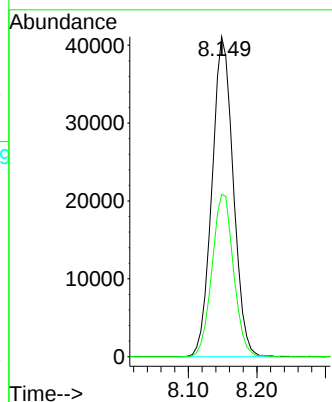
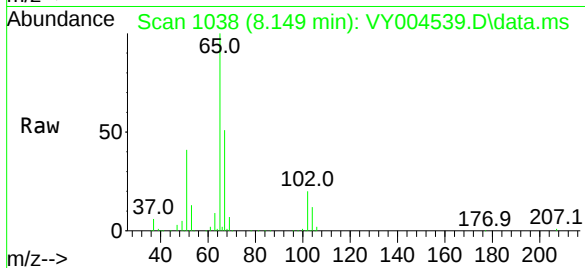




#33
 1,2-Dichloroethane-d4
 Concen: 57.72 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. -0.006 min
 Lab File: VY004539.D
 Acq: 20 Apr 2021 19:14

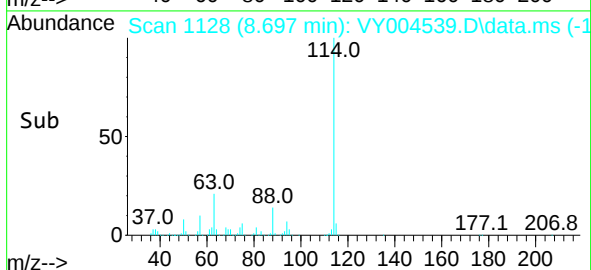
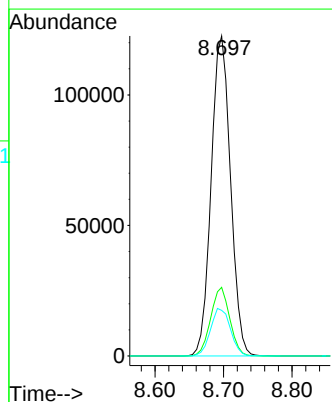
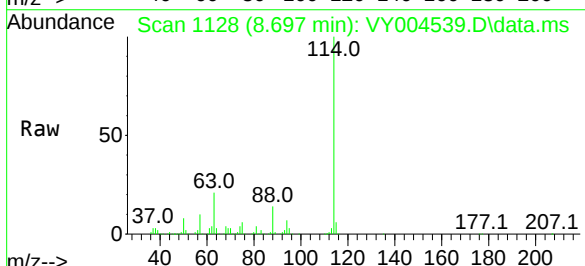
Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 65 Resp: 88401
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY004539.D
 Acq: 20 Apr 2021 19:14

Tgt Ion:114 Resp: 240042
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.4
 88 14.3 0.0 30.8

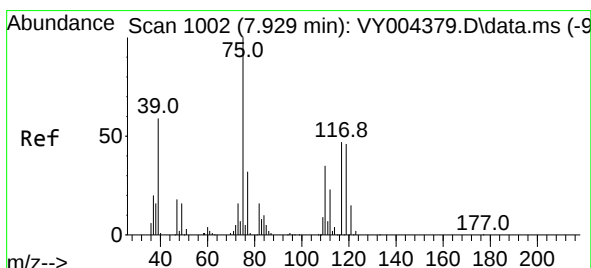
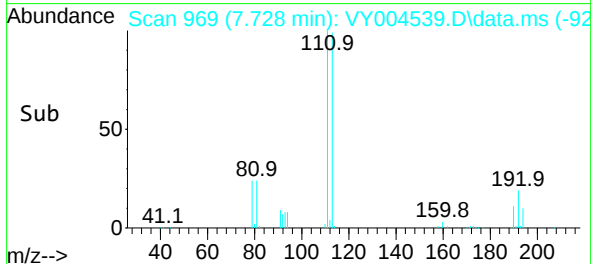
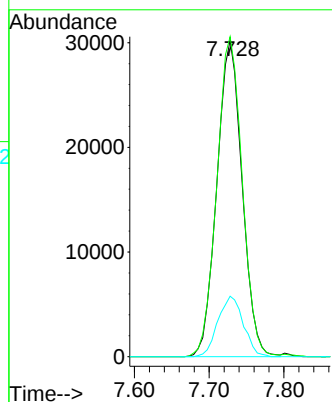
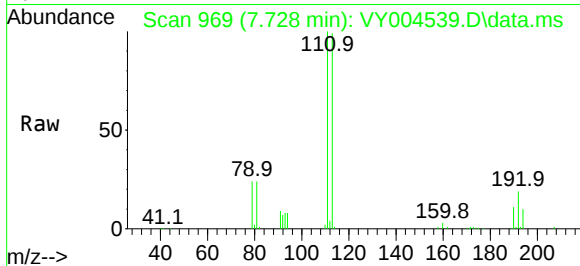




#35
Dibromofluoromethane
Concen: 53.11 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004539.D
Acq: 20 Apr 2021 19:14

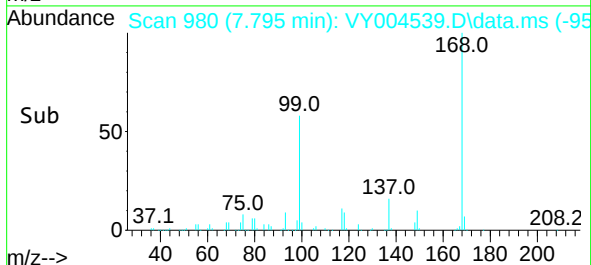
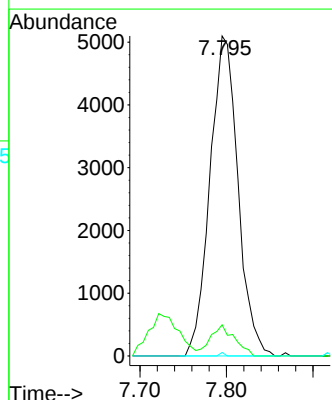
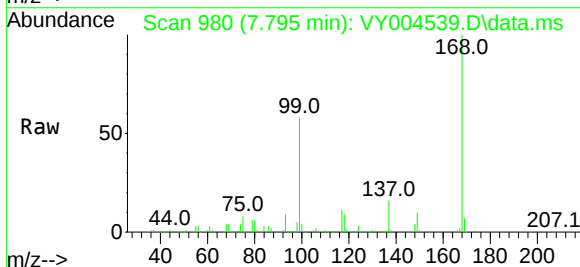
Instrument :
MSVOA_Y
ClientSampled :

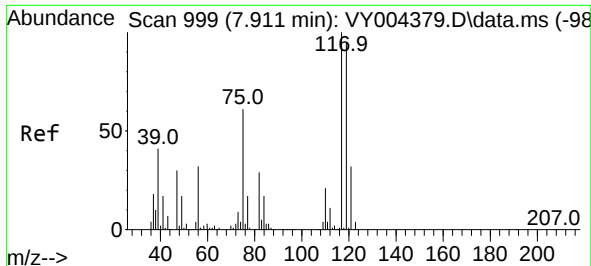
Tgt Ion:113 Resp: 70747
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 19.3 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.80 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY004539.D
Acq: 20 Apr 2021 19:14

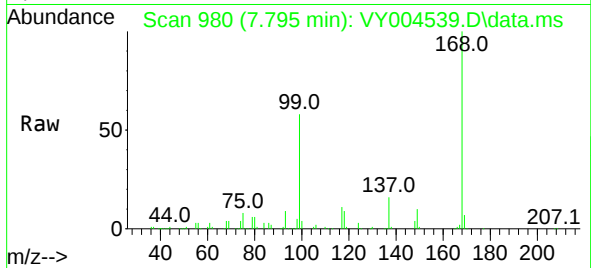
Tgt Ion: 75 Resp: 11441
Ion Ratio Lower Upper
75 100
110 8.4 17.3 51.7#
77 0.2 24.3 36.5#



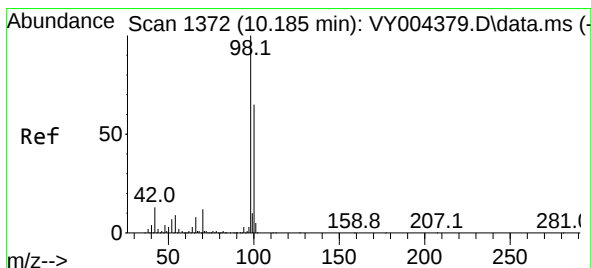
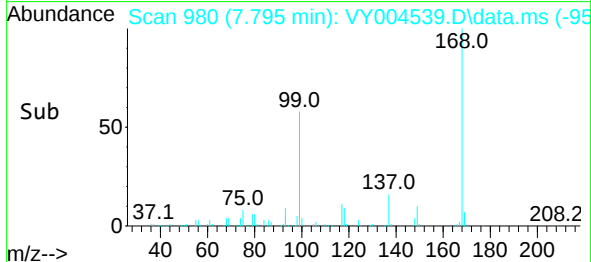
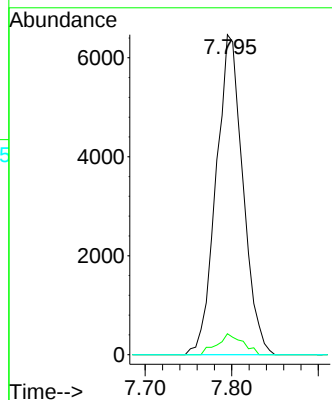


#38
Carbon Tetrachloride
Concen: 6.74 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004539.D
Acq: 20 Apr 2021 19:14

Instrument :
MSVOA_Y
ClientSampleId :

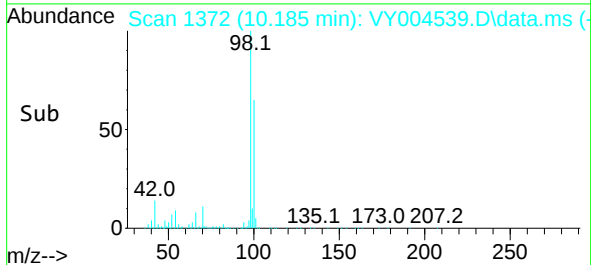
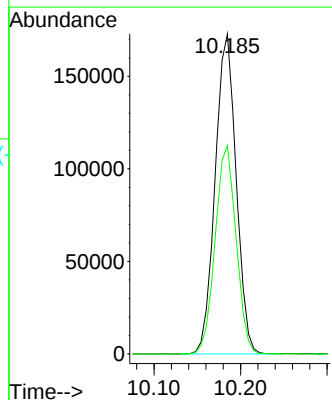
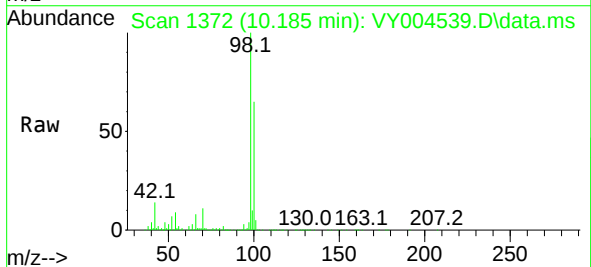


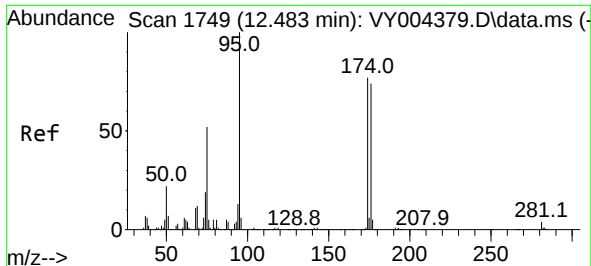
Tgt Ion: 117 Resp: 13897
Ion Ratio Lower Upper
117 100
119 6.6 75.8 113.8#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 51.38 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004539.D
Acq: 20 Apr 2021 19:14

Tgt Ion: 98 Resp: 291121
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6

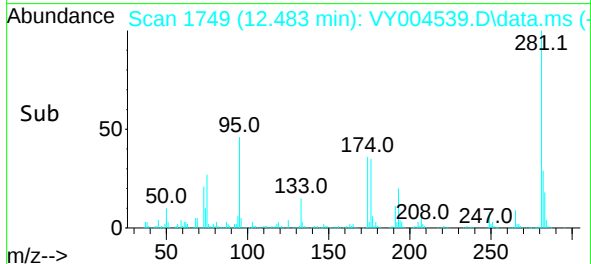
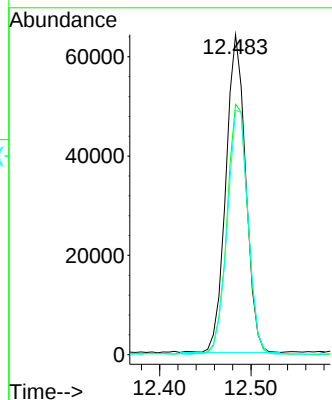
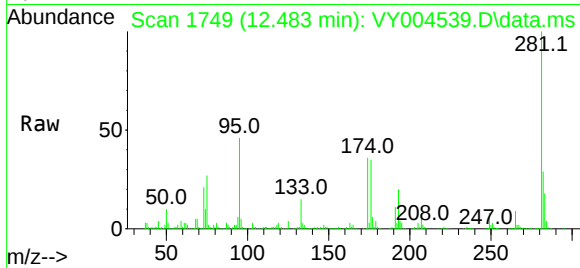




#62
4-Bromofluorobenzene
Concen: 50.18 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004539.D
Acq: 20 Apr 2021 19:14

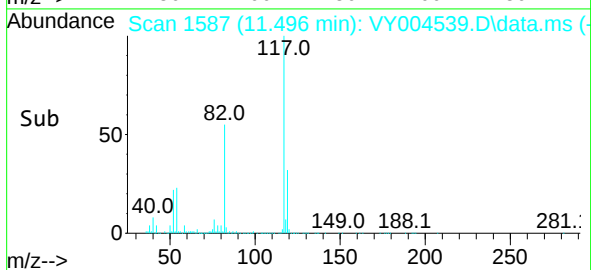
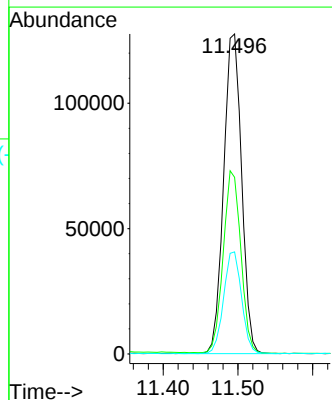
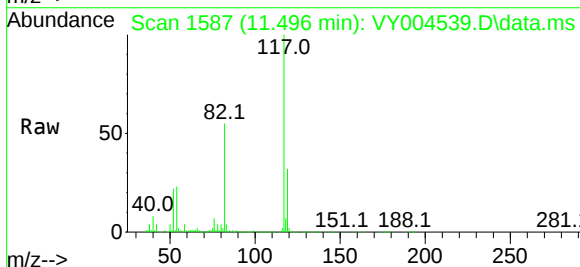
Instrument :
MSVOA_Y
ClientSampleId :

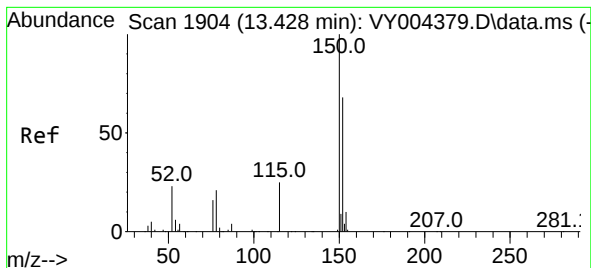
Tgt Ion: 95 Resp: 96493
Ion Ratio Lower Upper
95 100
174 83.0 0.0 162.4
176 80.6 0.0 156.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004539.D
Acq: 20 Apr 2021 19:14

Tgt Ion: 117 Resp: 212537
Ion Ratio Lower Upper
117 100
82 55.1 44.9 67.3
119 31.8 25.4 38.0

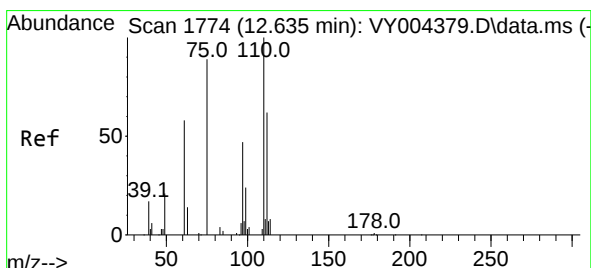
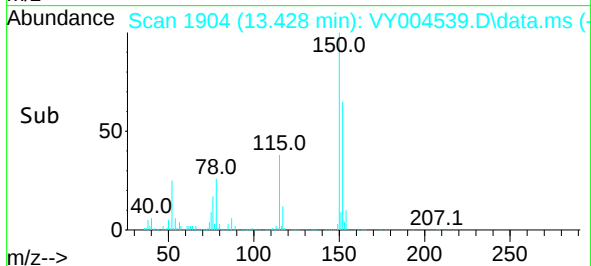
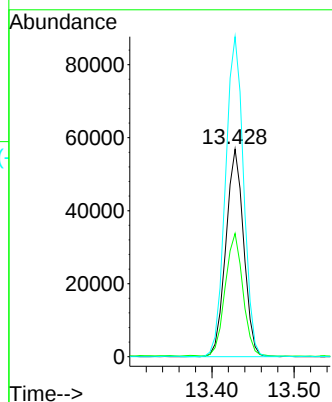
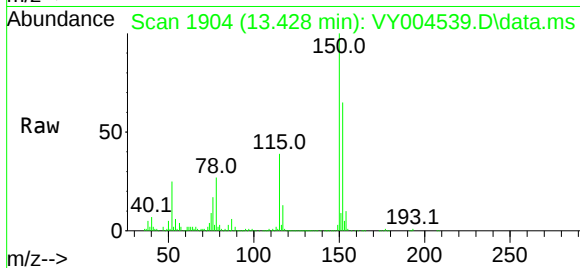




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY004539.D
 Acq: 20 Apr 2021 19:14

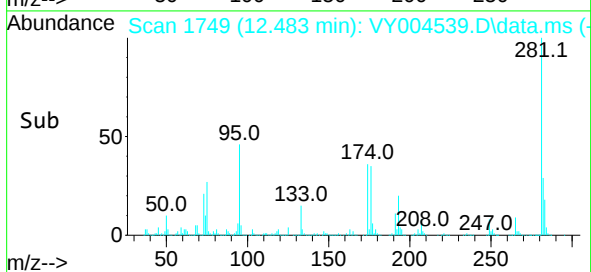
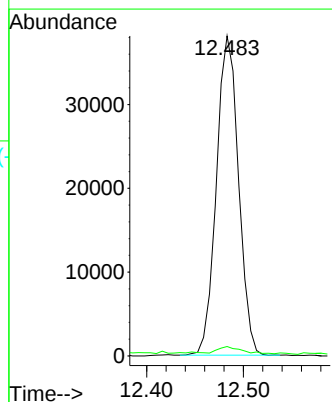
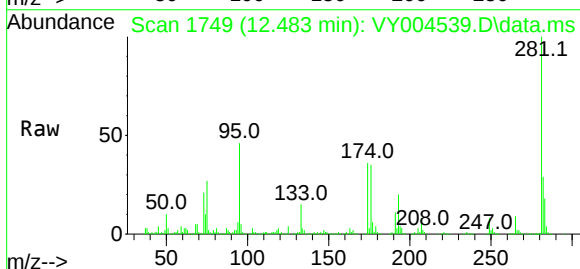
Instrument :
 MSVOA_Y
 ClientSampleId :

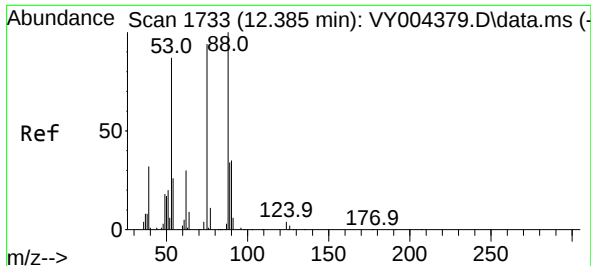
Tgt Ion:152 Resp: 85791
 Ion Ratio Lower Upper
 152 100
 115 58.7 29.6 88.8
 150 156.7 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 65.58 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY004539.D
 Acq: 20 Apr 2021 19:14

Tgt Ion: 75 Resp: 60389
 Ion Ratio Lower Upper
 75 100
 77 2.4 0.0 0.0#

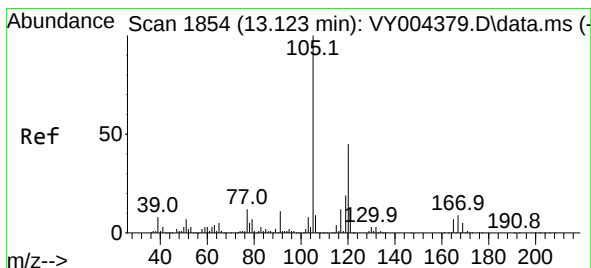
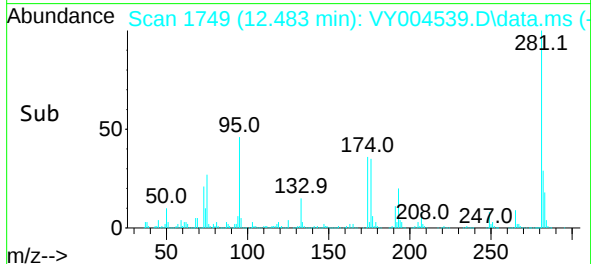
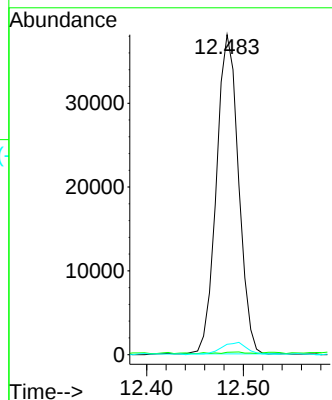
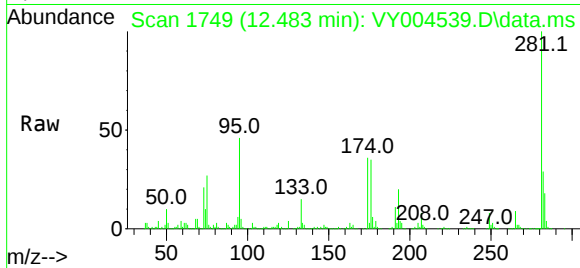




#81
trans-1,4-Dichloro-2-butene
Concen: 117.33 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004539.D
Acq: 20 Apr 2021 19:14

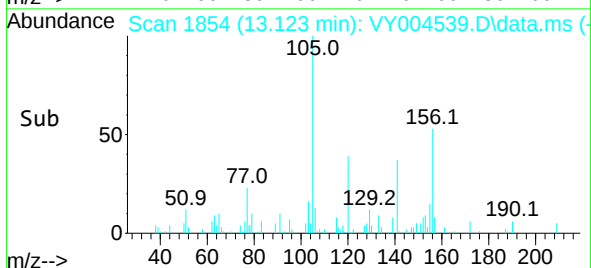
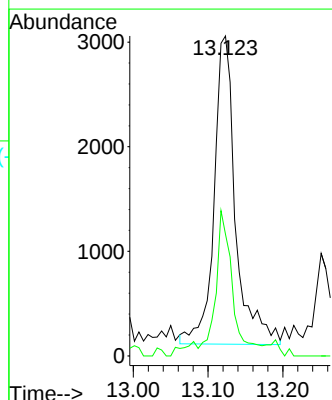
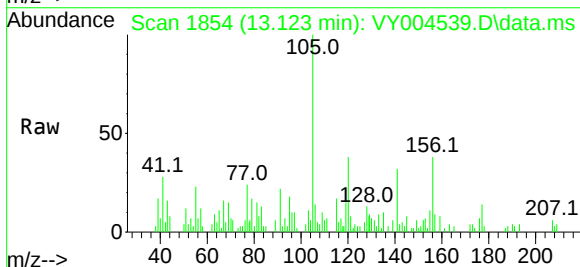
Instrument :
MSVOA_Y
ClientSampleId :

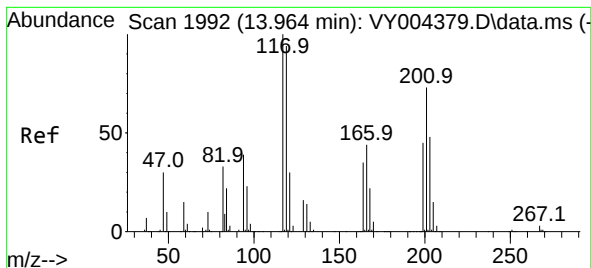
Tgt Ion: 75 Resp: 60389
Ion Ratio Lower Upper
75 100
53 0.4 75.0 112.6#
89 4.7 36.1 54.1#



#84
1,2,4-Trimethylbenzene
Concen: 1.09 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004539.D
Acq: 20 Apr 2021 19:14

Tgt Ion: 105 Resp: 5905
Ion Ratio Lower Upper
105 100
120 31.0 22.4 67.3





#90

Hexachloroethane

Concen: 1.36 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.012 min

Lab File: VY004539.D

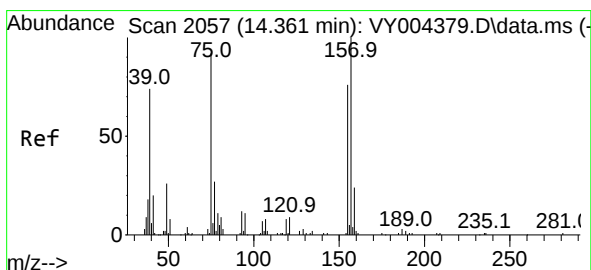
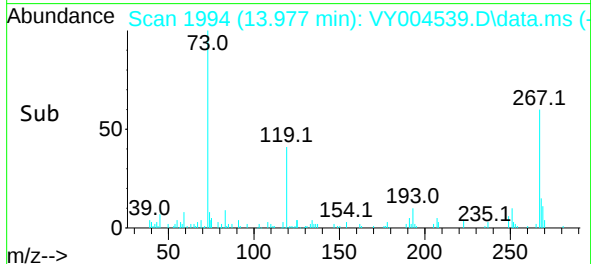
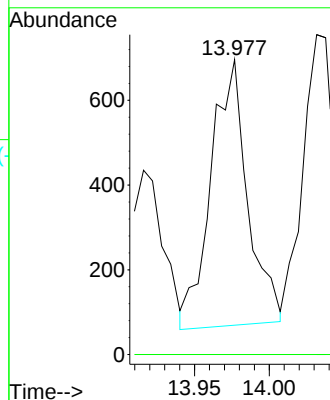
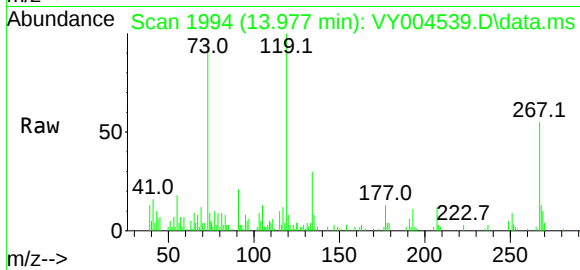
Acq: 20 Apr 2021 19:14

Tgt Ion:117 Resp: 1069

Ion Ratio Lower Upper

117 100

201 0.0 36.6 109.9#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.23 ug/l

RT: 14.373 min Scan# 2059

Delta R.T. 0.012 min

Lab File: VY004539.D

Acq: 20 Apr 2021 19:14

Tgt Ion: 75 Resp: 277

Ion Ratio Lower Upper

75 100

155 0.0 40.6 121.8#

157 0.0 53.0 159.0#

