

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
 Data File : VY013357.D
 Acq On : 19 Apr 2023 19:49
 Operator : KP/MD
 Sample : 02389-096
 Misc : 4.27g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 20 06:58:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

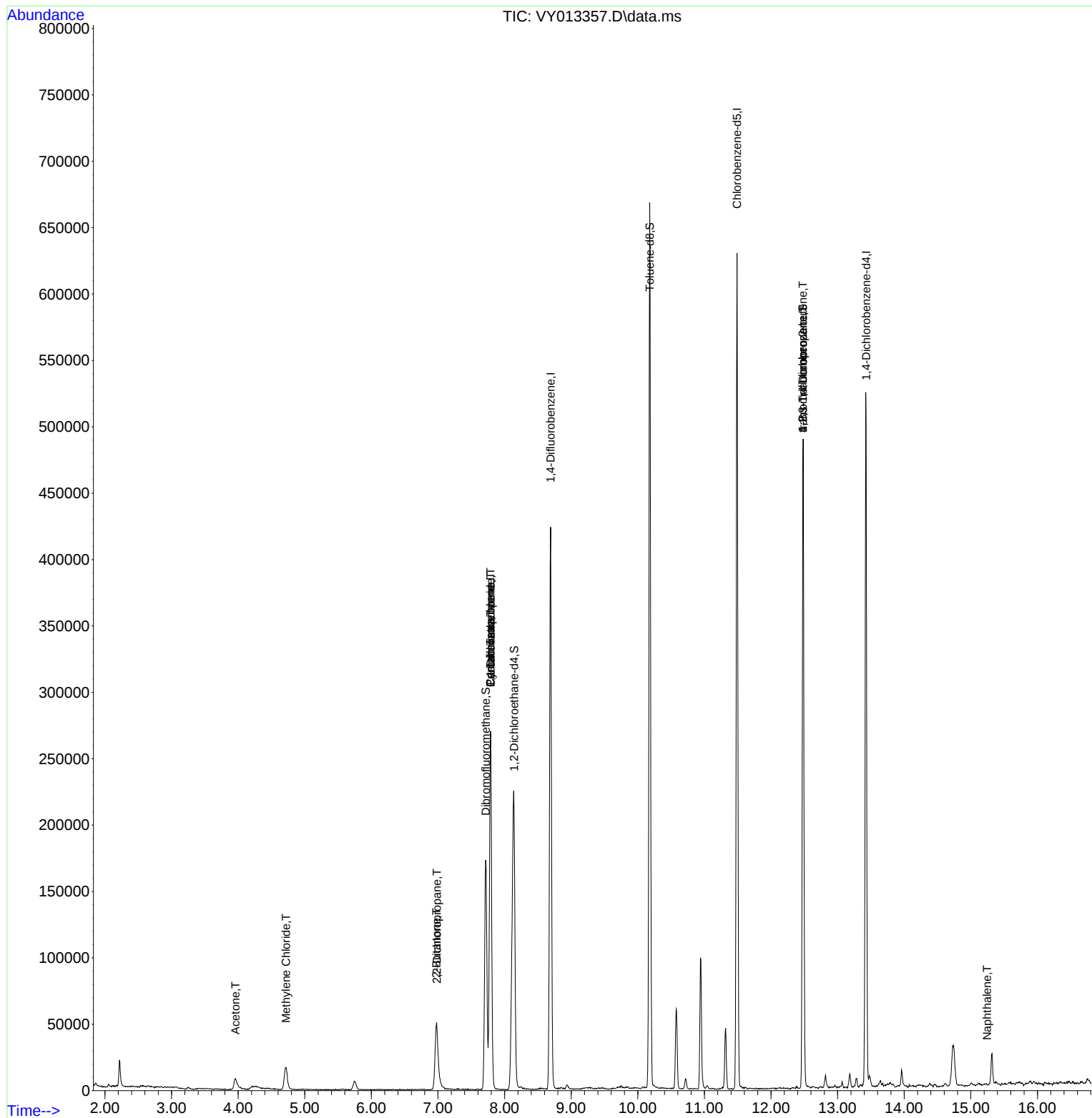
Internal Standards						
1) Pentafluorobenzene	7.789	168	213367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	358440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	332084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	137625	53.672	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.340%	
35) Dibromofluoromethane	7.716	113	124515	53.658	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.320%	
50) Toluene-d8	10.179	98	426722	49.404	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.800%	
62) 4-Bromofluorobenzene	12.477	95	132676	47.276	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.560%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	438	Below Cal	#	74
16) Acetone	3.960	43	19761	22.414	ug/l	97
20) Methylene Chloride	4.716	84	12422	1.161	ug/l	88
25) 2-Butanone	6.978	43	3795	3.362	ug/l #	65
26) 2,2-Dichloropropane	6.984	77	3985	1.052	ug/l #	52
31) Cyclohexane	7.789	56	4738	1.222	ug/l #	11
36) 1,1-Dichloropropene	7.789	75	15548	4.423	ug/l #	50
38) Carbon Tetrachloride	7.789	117	20298	5.222	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	69456	40.879	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	69456	84.844	ug/l #	13
95) Naphthalene	15.245	128	719	3.317	ug/l #	81

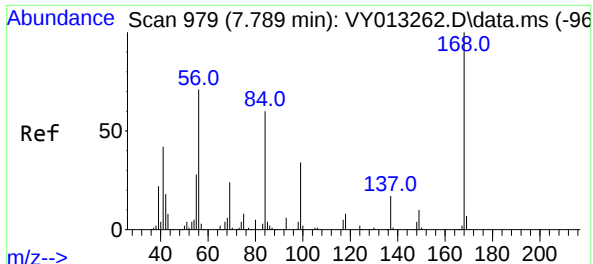
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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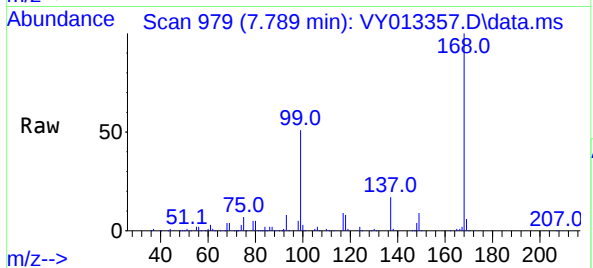
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
Response via : Initial Calibration



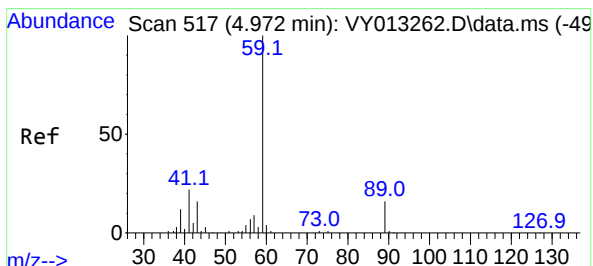
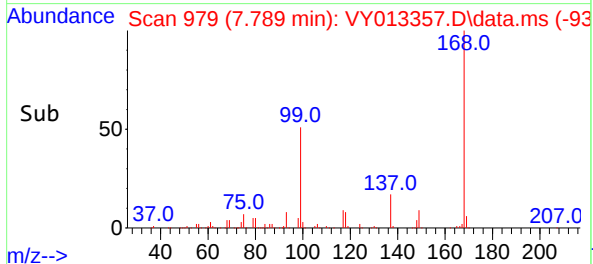
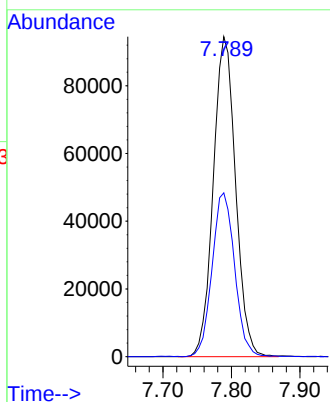


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

Instrument :
MSVOA_Y
ClientSampleId :

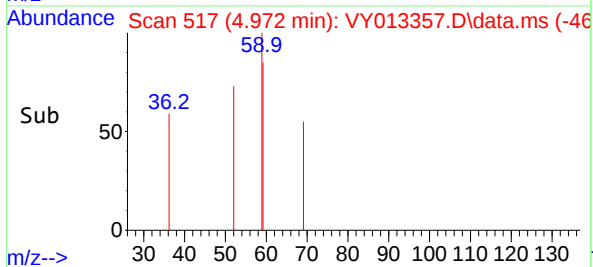
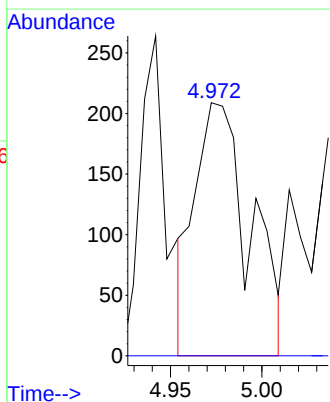
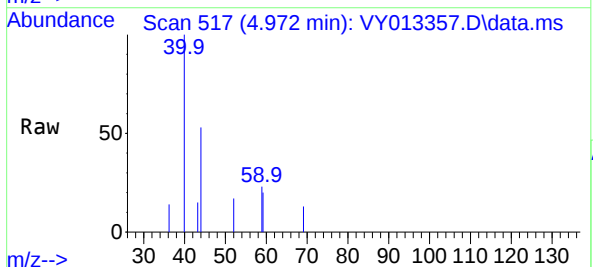


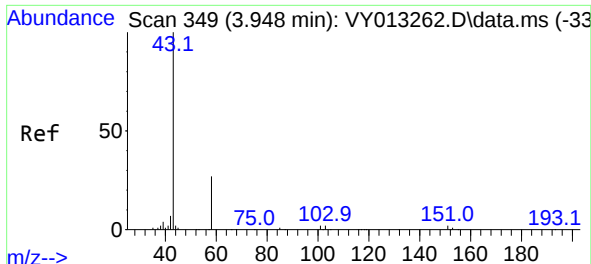
Tgt Ion:168 Resp: 213367
Ion Ratio Lower Upper
168 100
99 51.1 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.000 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

Tgt Ion: 59 Resp: 438
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

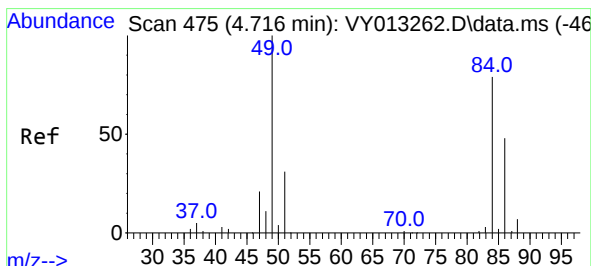
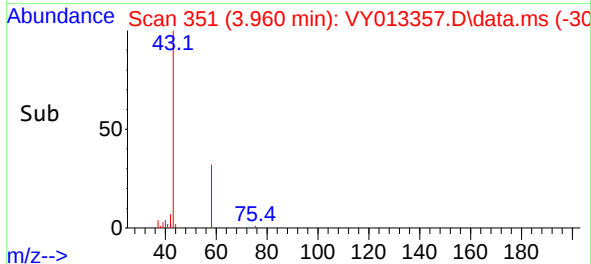
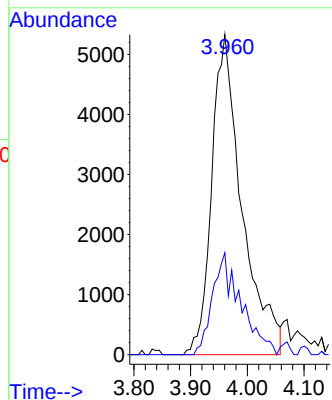
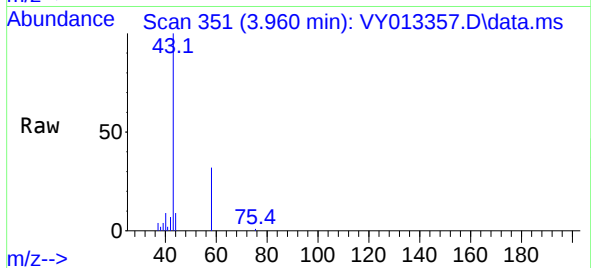




#16
Acetone
Concen: 22.414 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

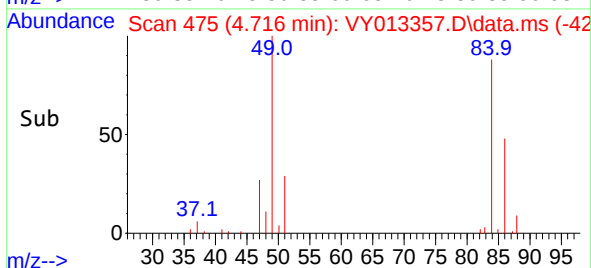
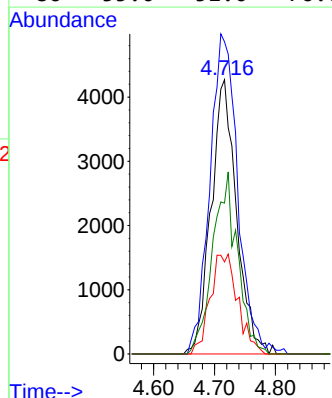
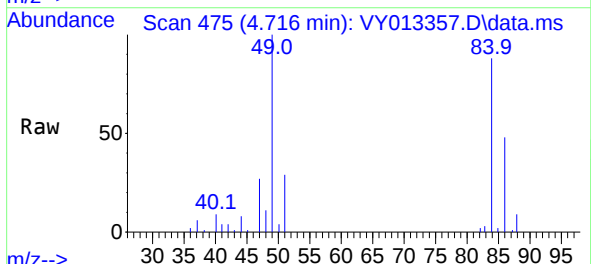
Instrument :
MSVOA_Y
ClientSampleId :

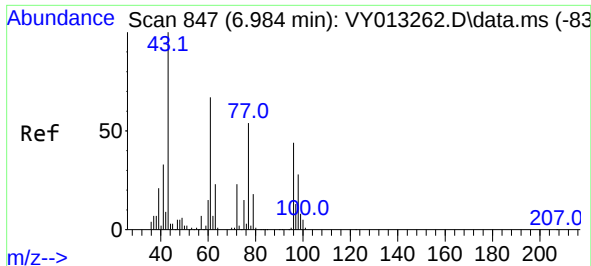
Tgt Ion: 43 Resp: 19761
Ion Ratio Lower Upper
43 100
58 31.8 24.2 36.2



#20
Methylene Chloride
Concen: 1.161 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

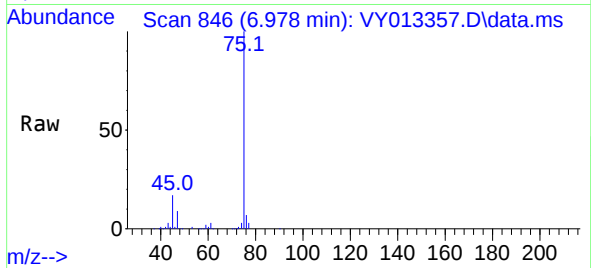
Tgt Ion: 84 Resp: 12422
Ion Ratio Lower Upper
84 100
49 113.8 102.6 154.0
51 33.6 31.9 47.9
86 55.0 51.0 76.6



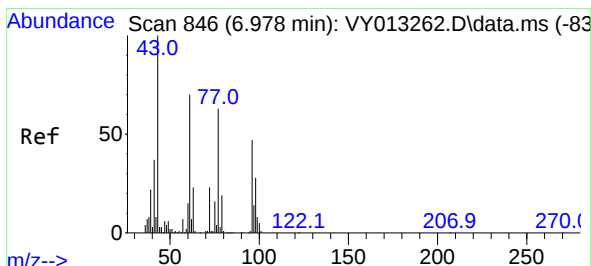
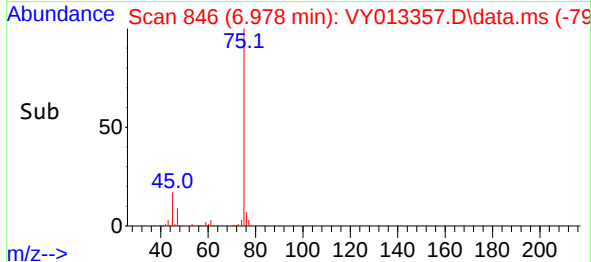
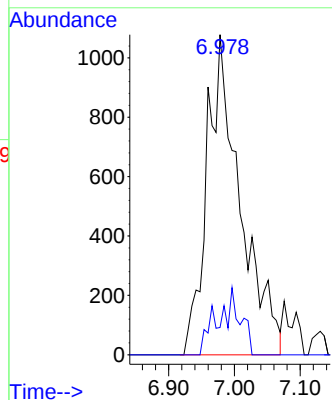


#25
2-Butanone
Concen: 3.362 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

Instrument :
MSVOA_Y
ClientSampleId :

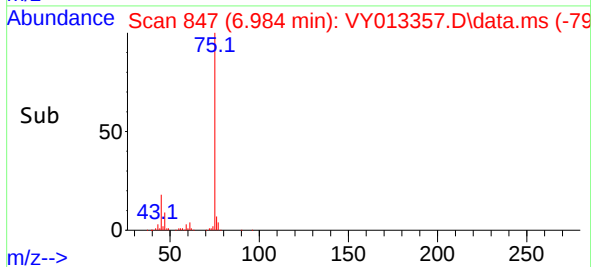
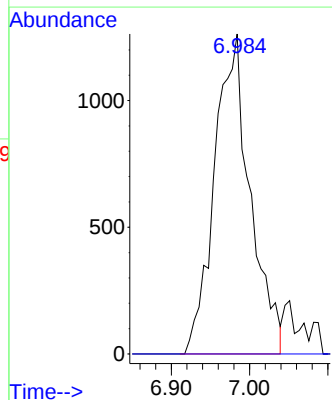
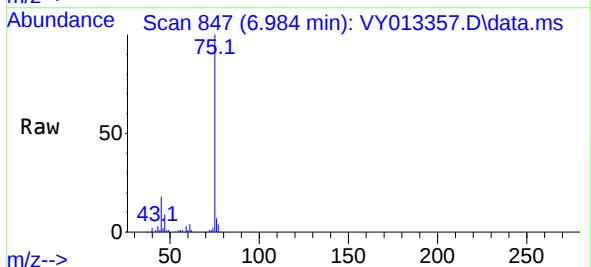


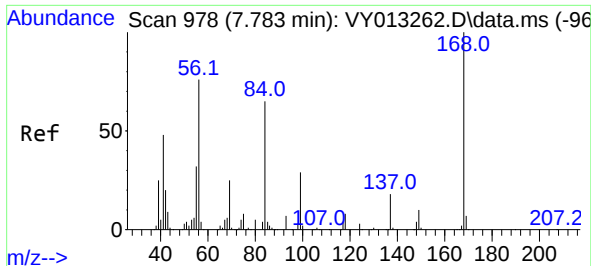
Tgt Ion: 43 Resp: 3795
Ion Ratio Lower Upper
43 100
72 8.5 21.0 31.4#



#26
2,2-Dichloropropane
Concen: 1.052 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

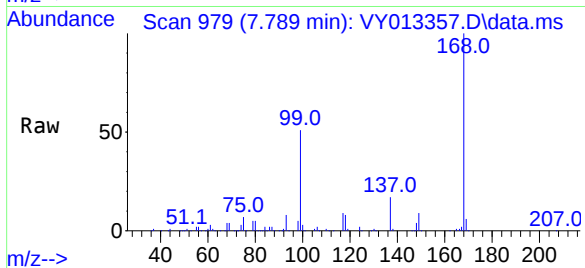
Tgt Ion: 77 Resp: 3985
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#



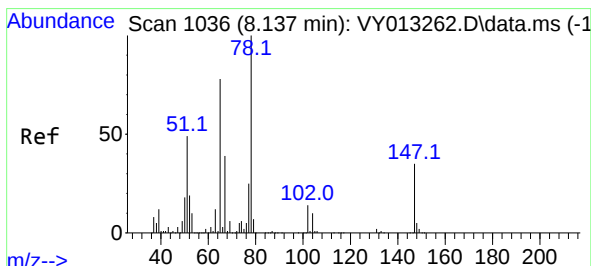
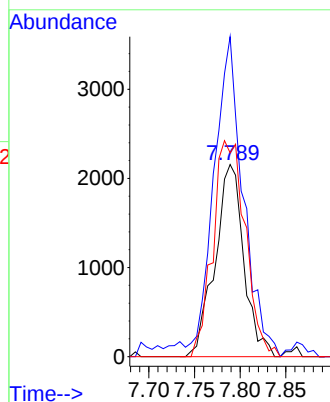
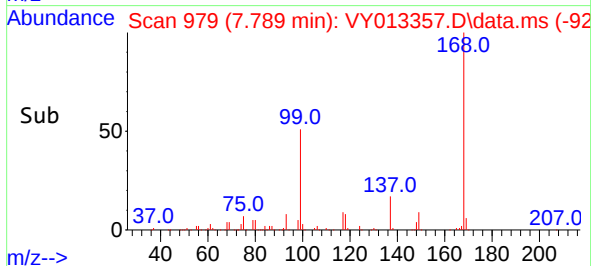


#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

Instrument :
MSVOA_Y
ClientSampleId :

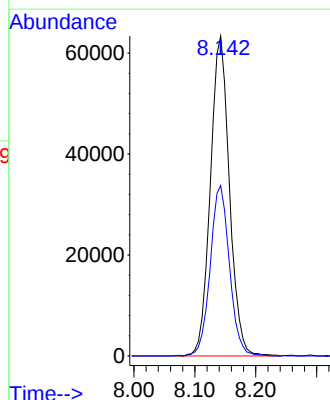
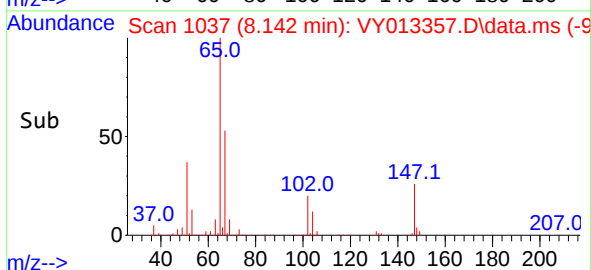
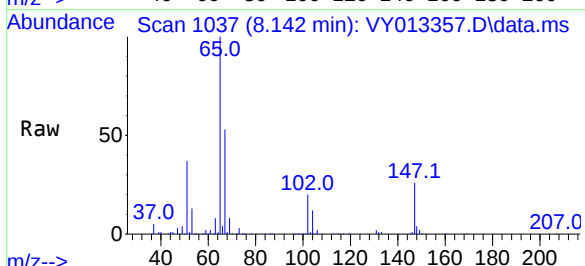


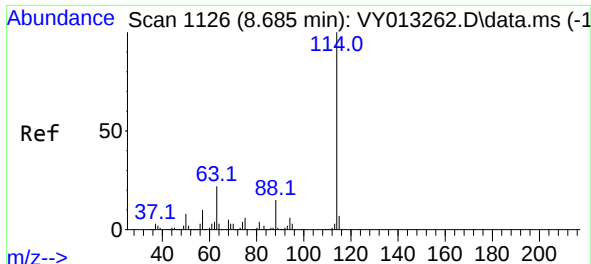
Tgt Ion: 56 Resp: 4738
Ion Ratio Lower Upper
56 100
69 166.5 25.7 38.5#
84 106.0 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 53.672 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

Tgt Ion: 65 Resp: 137625
Ion Ratio Lower Upper
65 100
67 53.8 0.0 104.0

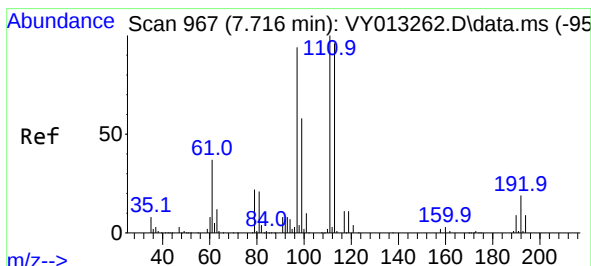
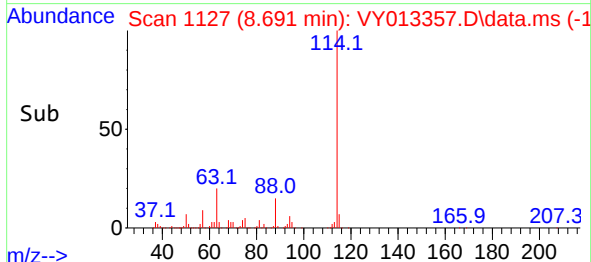
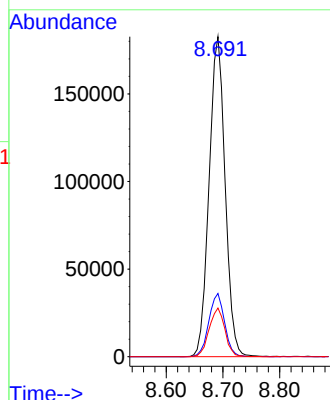
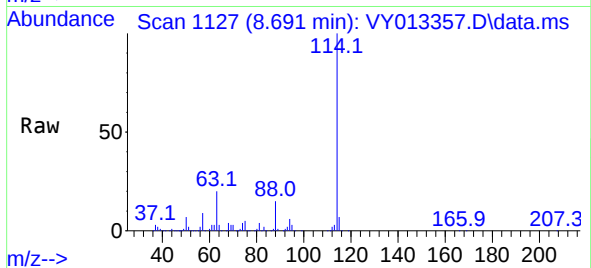




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

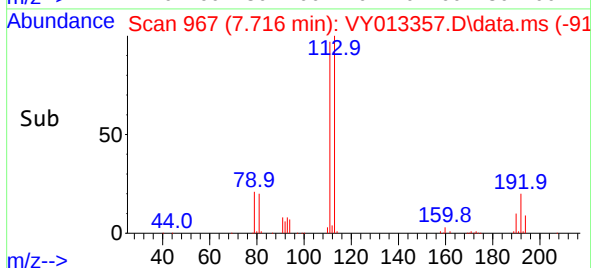
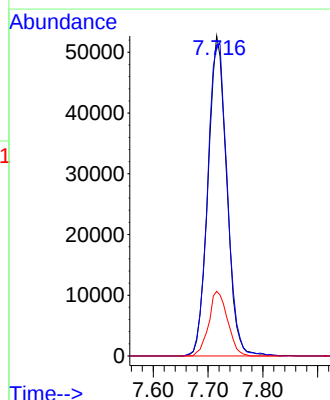
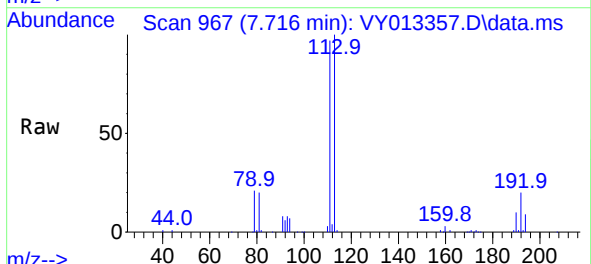
Instrument :
MSVOA_Y
ClientSampleId :

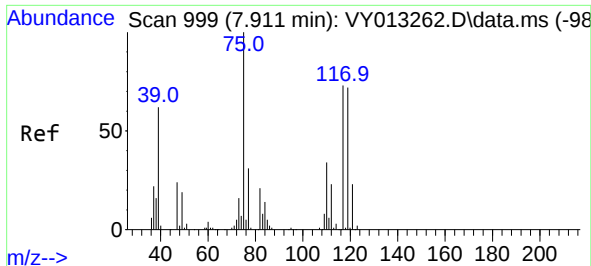
Tgt Ion:114 Resp: 358440
Ion Ratio Lower Upper
114 100
63 19.7 0.0 37.4
88 15.2 0.0 28.6



#35
Dibromofluoromethane
Concen: 53.658 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

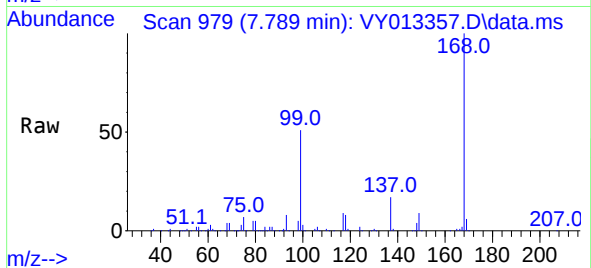
Tgt Ion:113 Resp: 124515
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 20.3 16.8 25.2



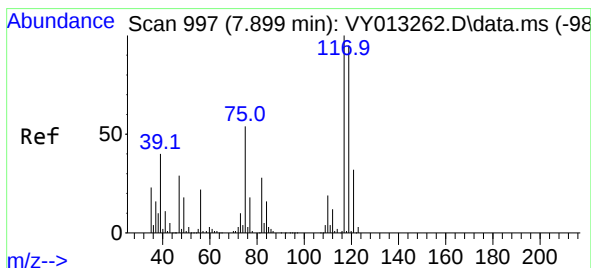
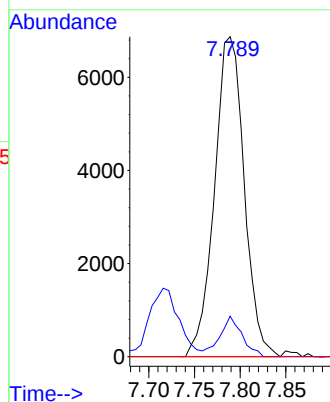
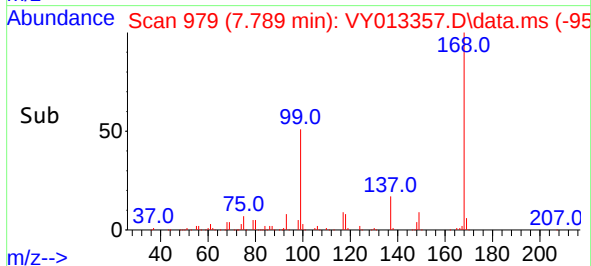


#36
1,1-Dichloropropene
Concen: 4.423 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

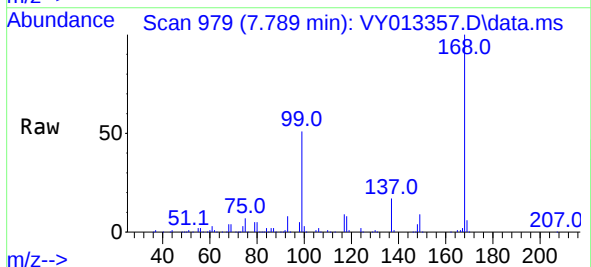
Instrument :
MSVOA_Y
ClientSampleId :



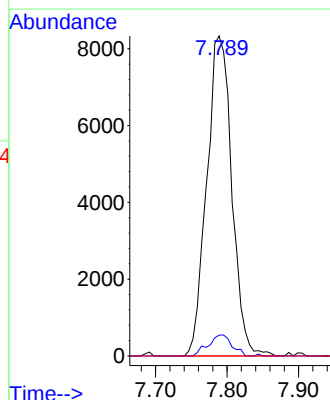
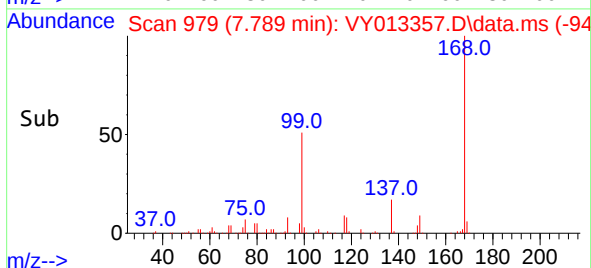
Tgt Ion: 75 Resp: 15548
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.3#
77 0.0 25.0 37.4#

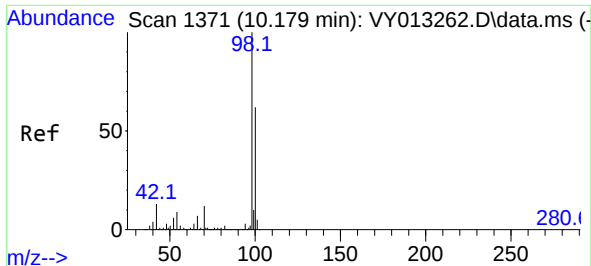


#38
Carbon Tetrachloride
Concen: 5.222 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49



Tgt Ion: 117 Resp: 20298
Ion Ratio Lower Upper
117 100
119 6.5 77.2 115.8#
121 0.0 24.7 37.1#

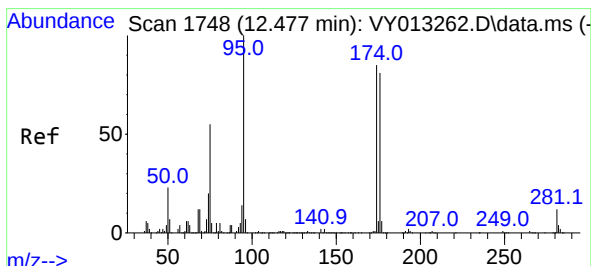
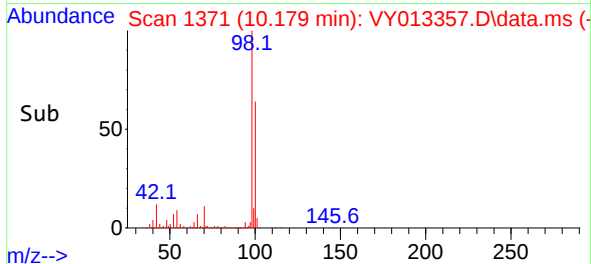
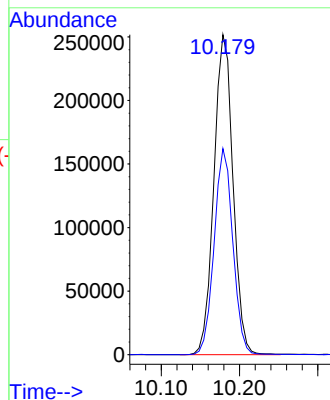
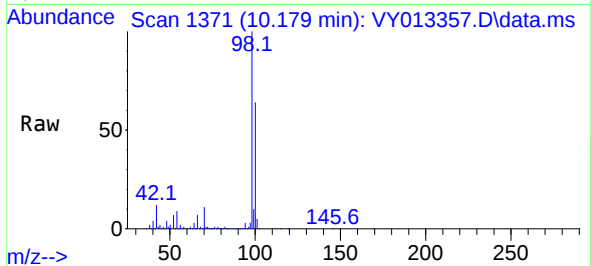




#50
Toluene-d8
Concen: 49.404 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

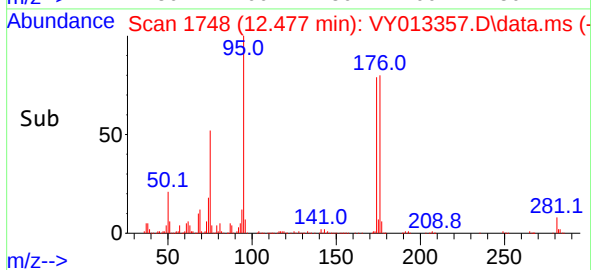
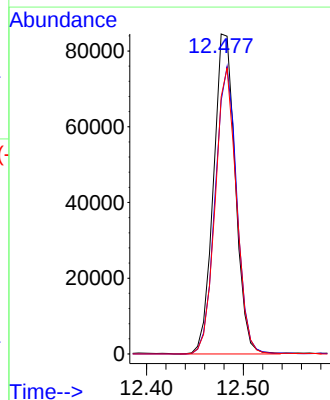
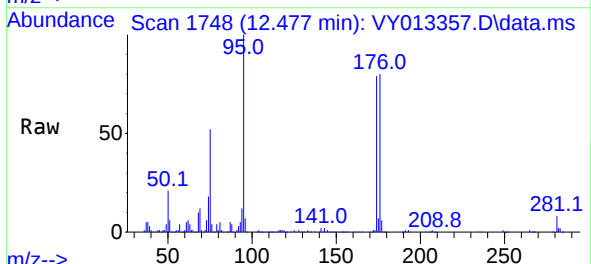
Instrument :
MSVOA_Y
ClientSampleId :

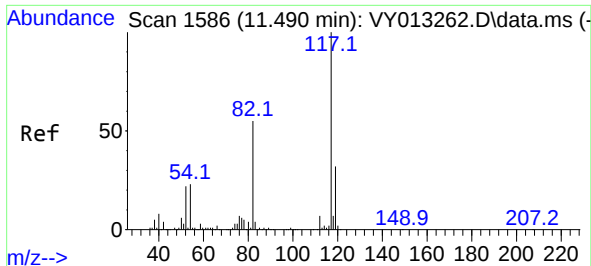
Tgt Ion: 98 Resp: 426722
Ion Ratio Lower Upper
98 100
100 63.1 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 47.276 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

Tgt Ion: 95 Resp: 132676
Ion Ratio Lower Upper
95 100
174 88.6 0.0 176.6
176 86.6 0.0 170.2

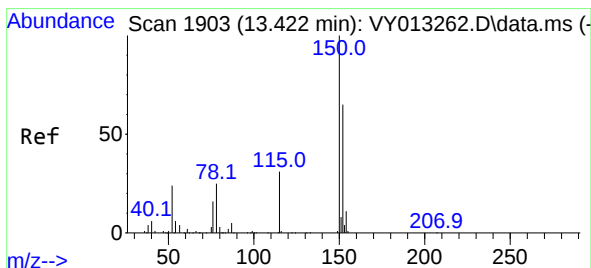
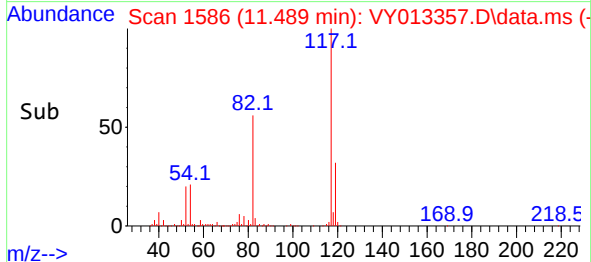
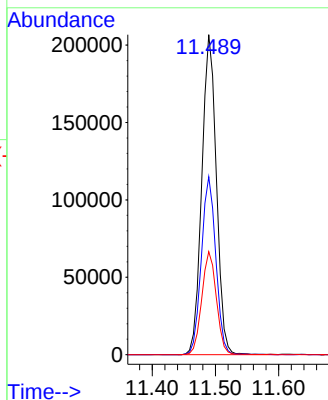
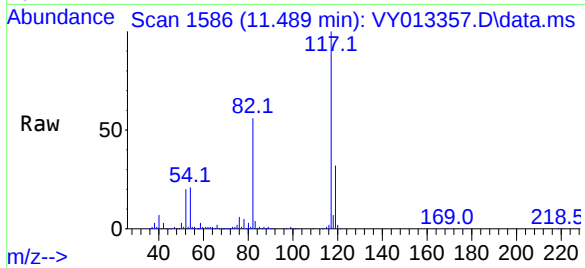




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

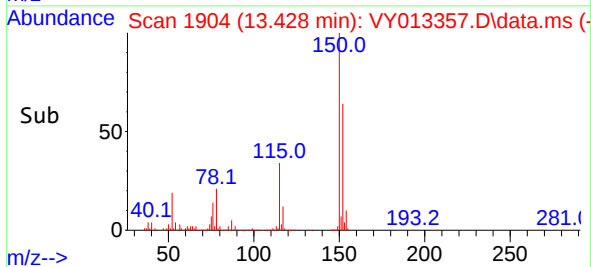
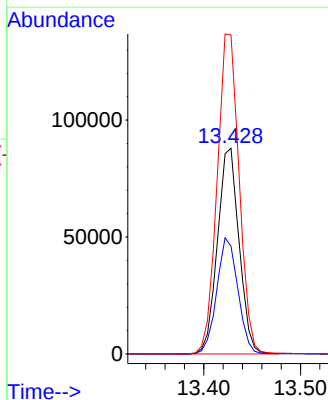
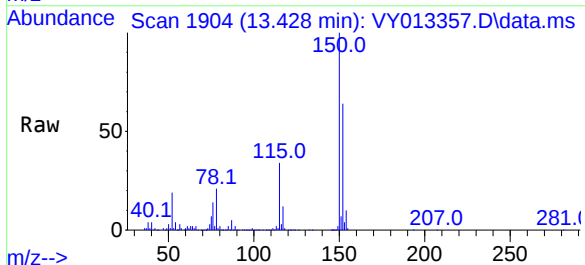
Instrument :
MSVOA_Y
ClientSampleId :

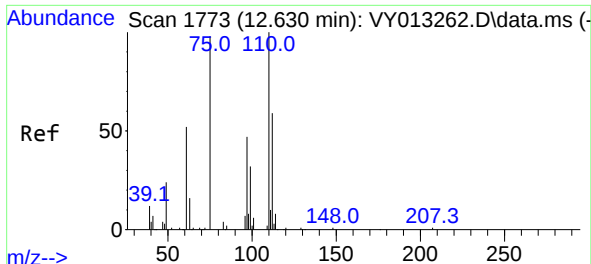
Tgt Ion:117 Resp: 332084
Ion Ratio Lower Upper
117 100
82 55.6 45.4 68.0
119 32.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

Tgt Ion:152 Resp: 136353
Ion Ratio Lower Upper
152 100
115 55.4 27.1 81.3
150 158.3 0.0 347.8

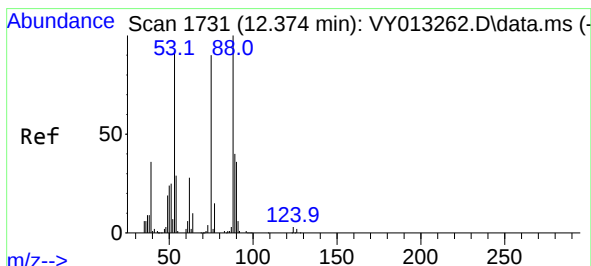
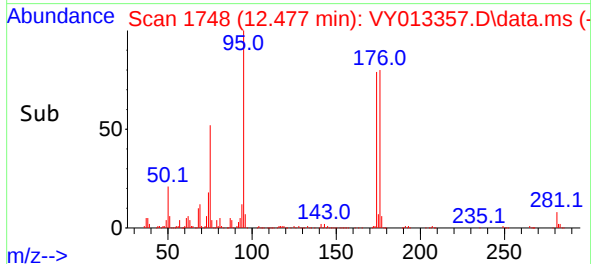
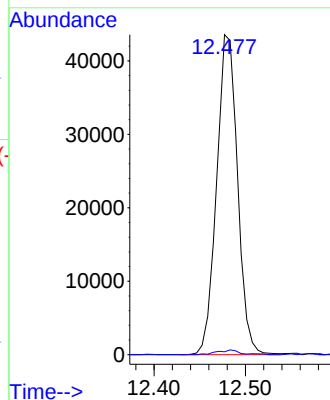
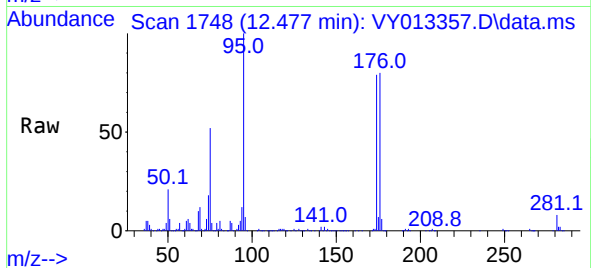




#76
1,2,3-Trichloropropane
Concen: 40.879 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

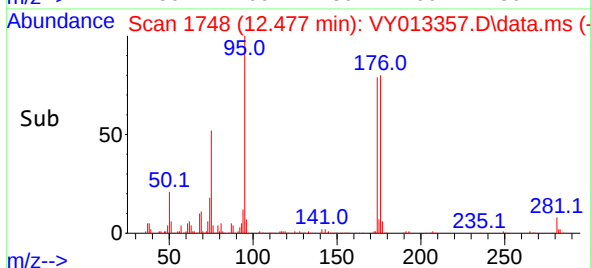
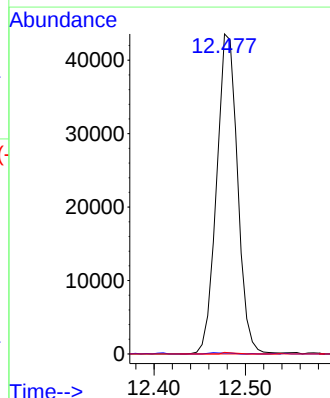
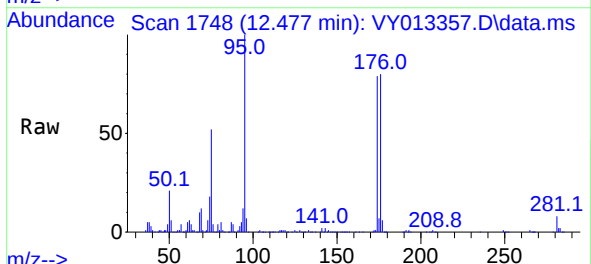
Instrument :
MSVOA_Y
ClientSampleId :

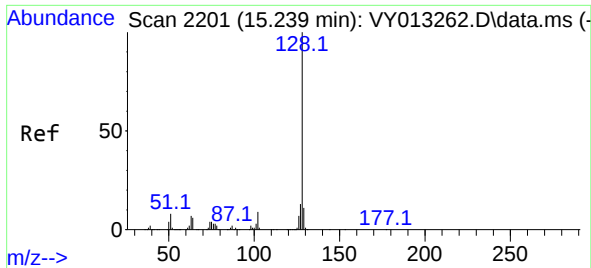
Tgt Ion: 75 Resp: 69456
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.844 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

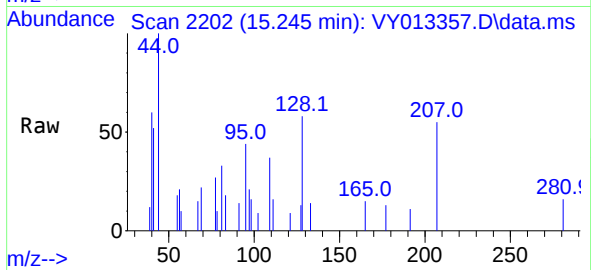
Tgt Ion: 75 Resp: 69456
Ion Ratio Lower Upper
75 100
53 0.4 73.4 110.0#
89 0.3 36.6 55.0#





#95
Naphthalene
Concen: 3.317 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY013357.D
Acq: 19 Apr 2023 19:49

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	719
Ion	Ratio	Lower	Upper
128	100		
127	8.5	10.3	15.5#
129	0.0	8.6	13.0#

