

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
 Data File : VY013354.D
 Acq On : 19 Apr 2023 18:39
 Operator : KP/MD
 Sample : 02366-04
 Misc : 3.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 20 06:57:38 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)

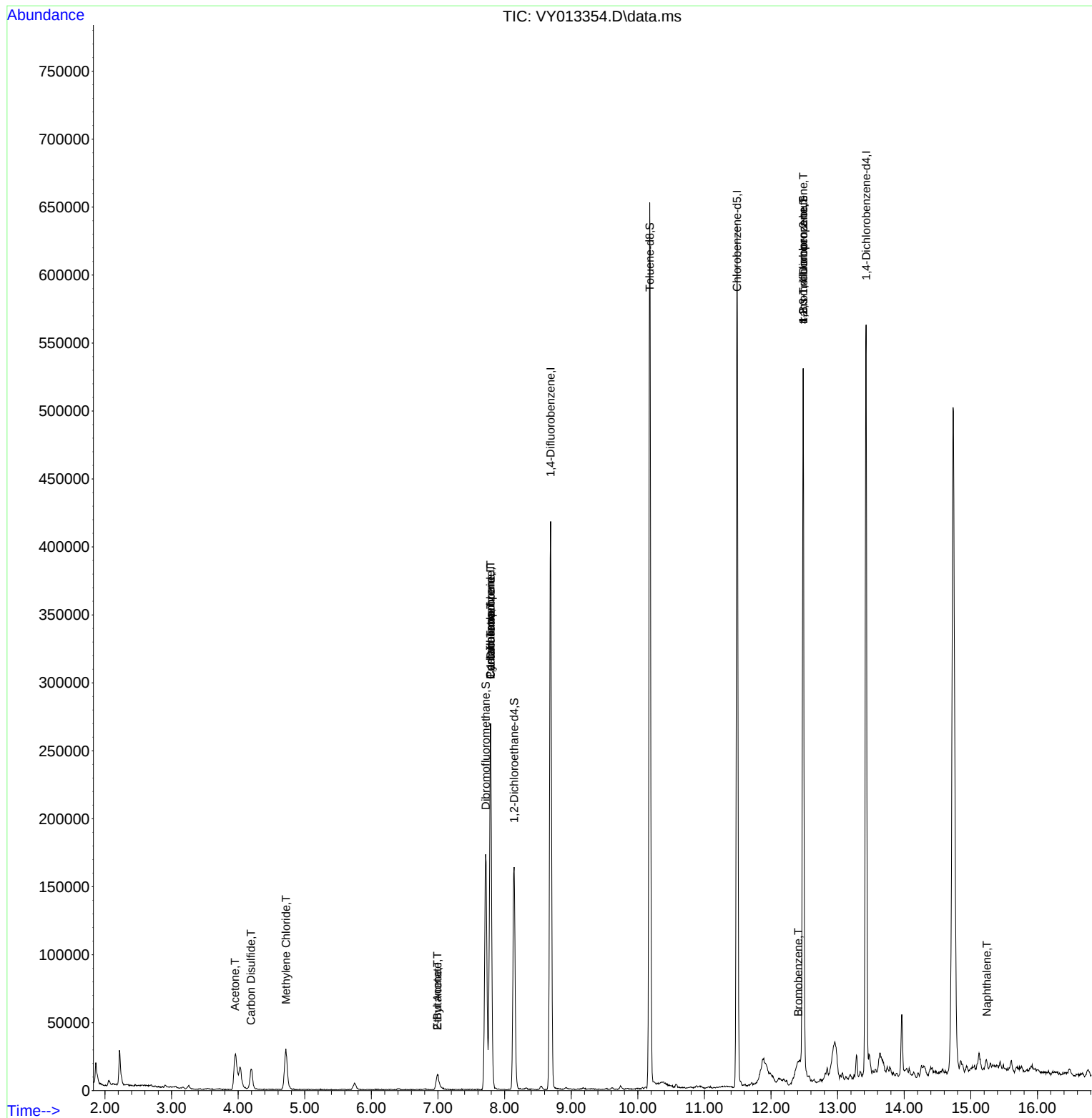
Internal Standards						
1) Pentafluorobenzene	7.789	168	205741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	349800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	329708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	144918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	133152	53.852	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.700%	
35) Dibromofluoromethane	7.715	113	122531	54.108	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.220%	
50) Toluene-d8	10.178	98	429440	50.947	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.900%	
62) 4-Bromofluorobenzene	12.483	95	144381	52.718	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.440%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.984	59	331	Below Cal	#	74
16) Acetone	3.954	43	64660	76.059	ug/l	93
17) Carbon Disulfide	4.192	76	30858	4.841	ug/l	96
20) Methylene Chloride	4.716	84	20209	5.169	ug/l	97
25) 2-Butanone	6.990	43	19076	17.525	ug/l #	85
31) Cyclohexane	7.789	56	4616	1.235	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	15583	4.542	ug/l #	49
37) Ethyl Acetate	6.990	43	19076	6.898	ug/l #	69
38) Carbon Tetrachloride	7.789	117	19246	5.073	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	73546	40.728	ug/l #	100
77) Bromobenzene	12.410	156	17515	7.046	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	73546	84.530	ug/l #	13
95) Naphthalene	15.239	128	5147	3.962	ug/l #	88

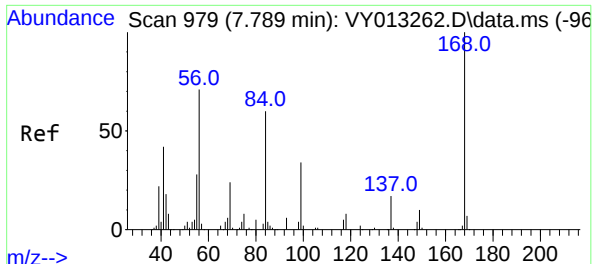
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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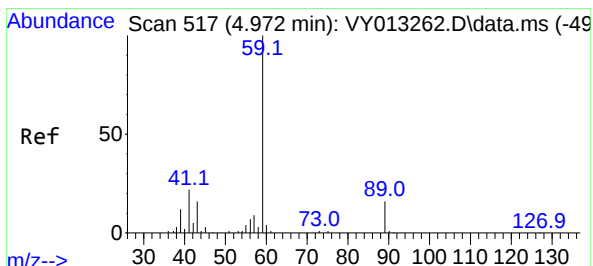
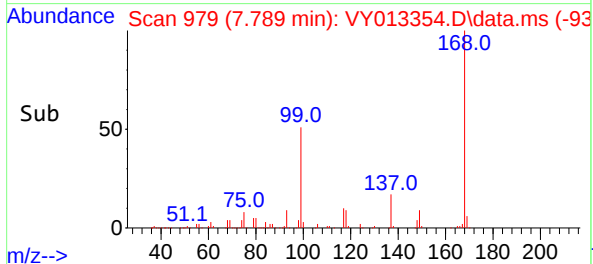
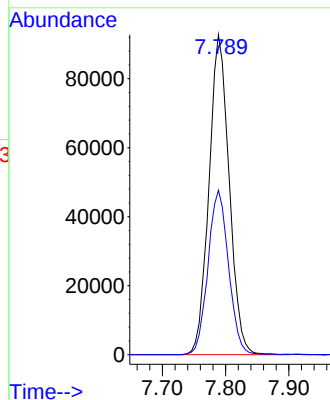
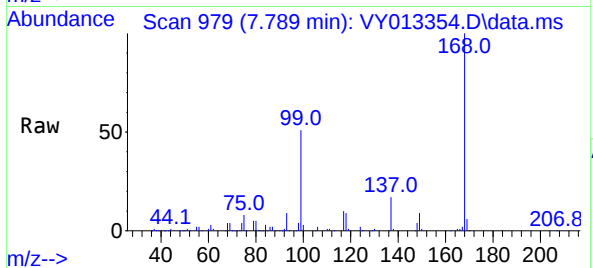




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

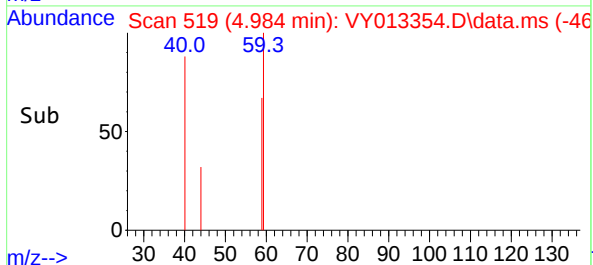
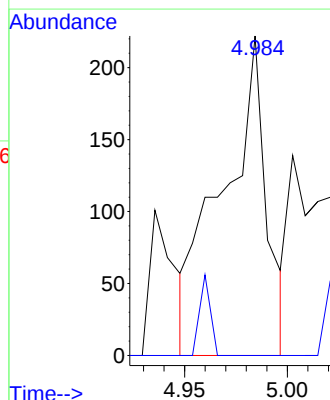
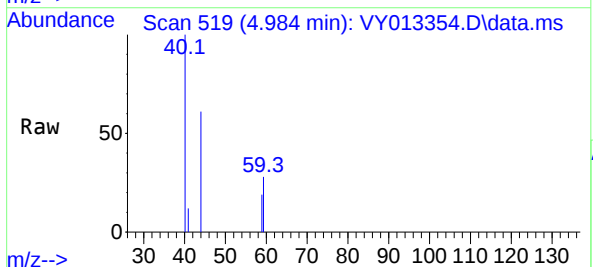
Instrument :
MSVOA_Y
ClientSampleId :

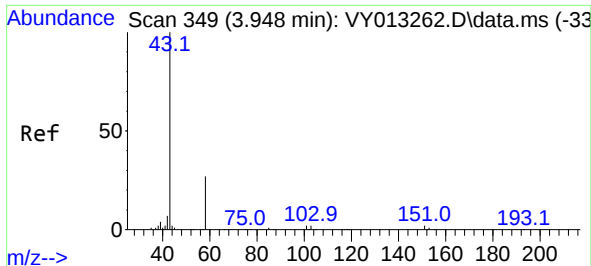
Tgt Ion:168 Resp: 205741
Ion Ratio Lower Upper
168 100
99 51.4 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.984 min Scan# 519
Delta R.T. 0.012 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

Tgt Ion: 59 Resp: 331
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

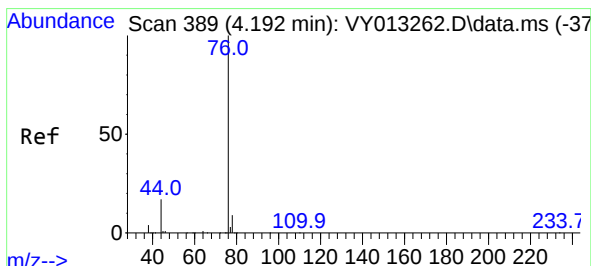
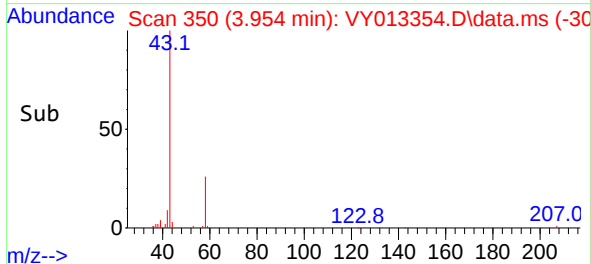
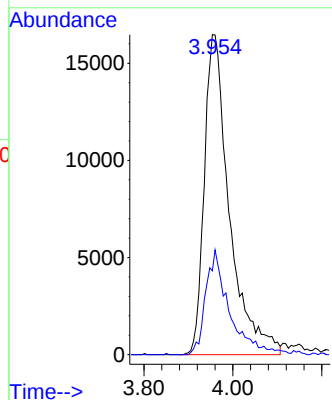
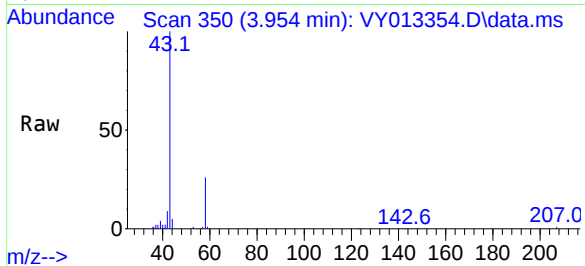




#16
Acetone
Concen: 76.059 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

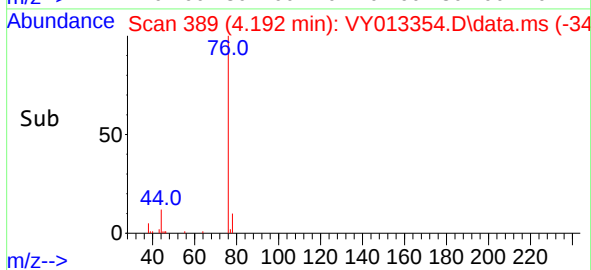
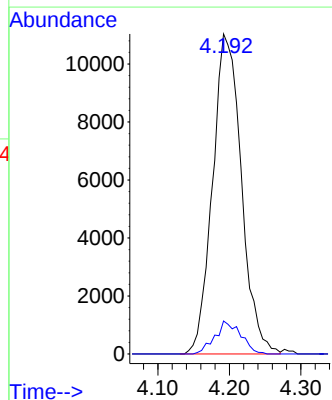
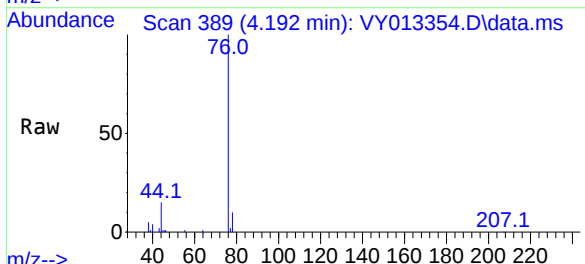
Instrument :
MSVOA_Y
ClientSampleId :

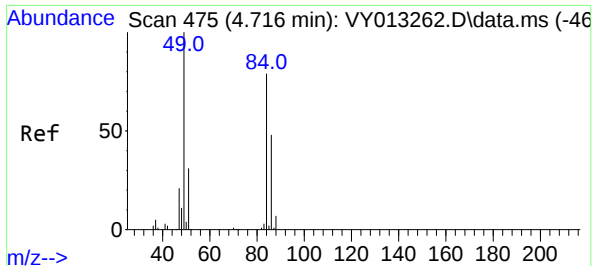
Tgt Ion: 43 Resp: 64660
Ion Ratio Lower Upper
43 100
58 26.2 24.2 36.2



#17
Carbon Disulfide
Concen: 4.841 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

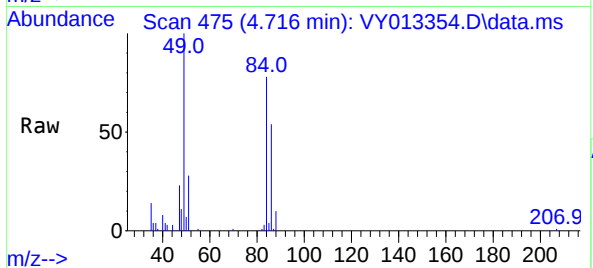
Tgt Ion: 76 Resp: 30858
Ion Ratio Lower Upper
76 100
78 10.3 7.1 10.7





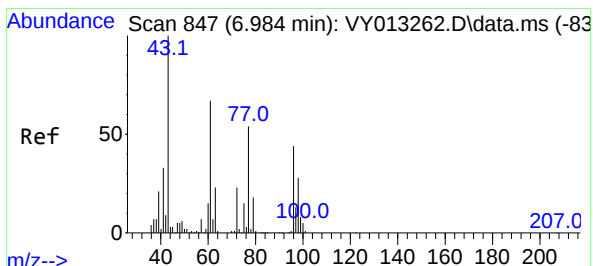
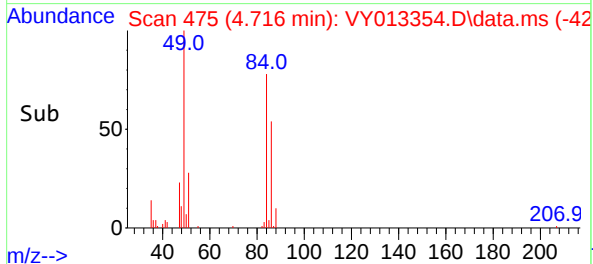
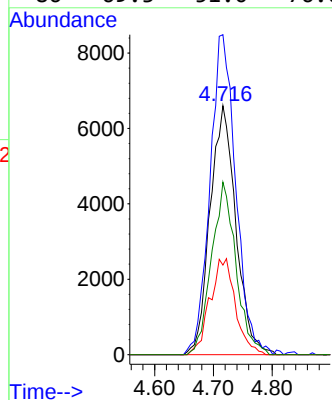
#20
Methylene Chloride
Concen: 5.169 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 20209

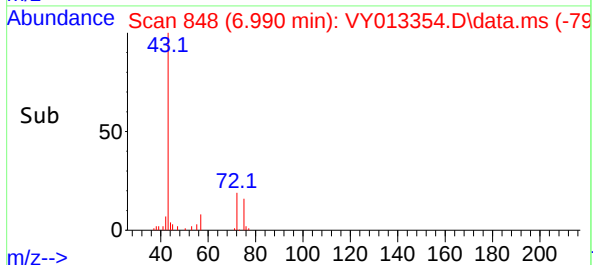
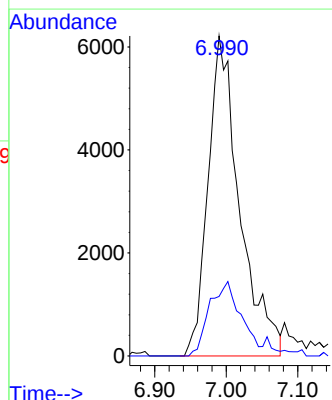
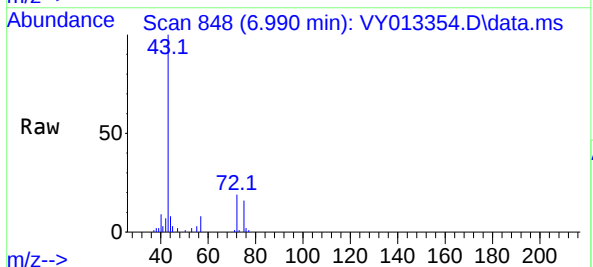
Ion	Ratio	Lower	Upper
84	100		
49	128.5	102.6	154.0
51	36.0	31.9	47.9
86	69.3	51.0	76.6

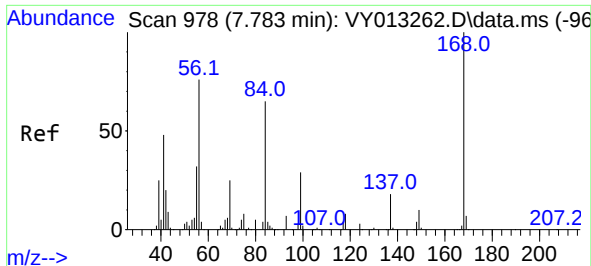


#25
2-Butanone
Concen: 17.525 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

Tgt Ion: 43 Resp: 19076

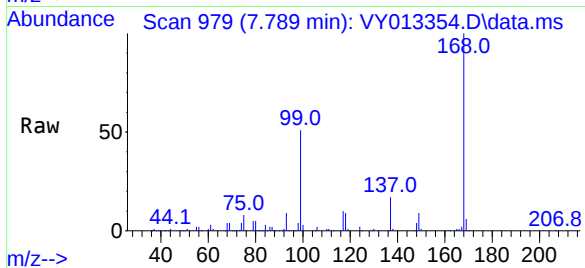
Ion	Ratio	Lower	Upper
43	100		
72	18.6	21.0	31.4#



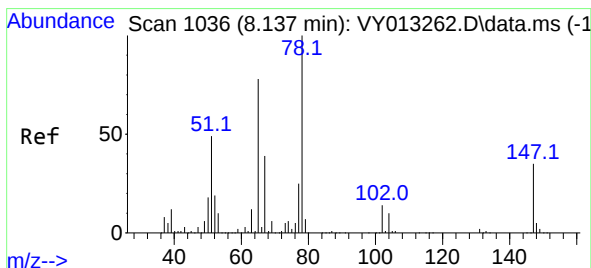
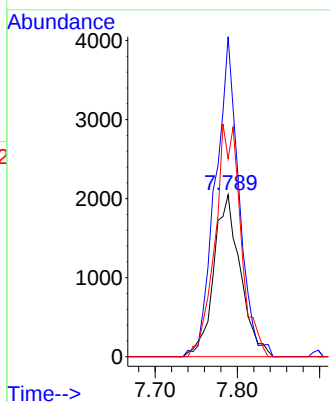
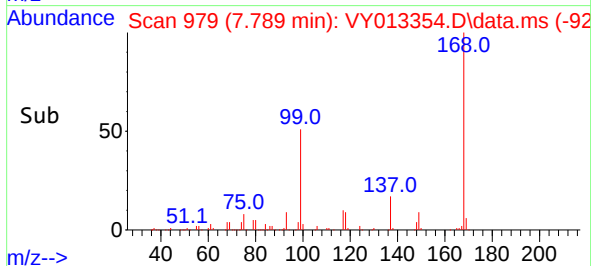


#31
Cyclohexane
Concen: 1.235 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

Instrument :
MSVOA_Y
ClientSampleId :

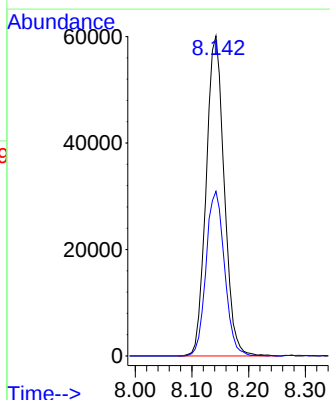
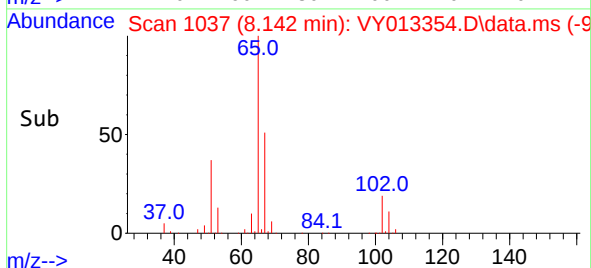
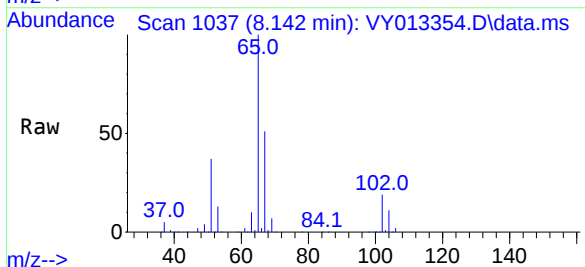


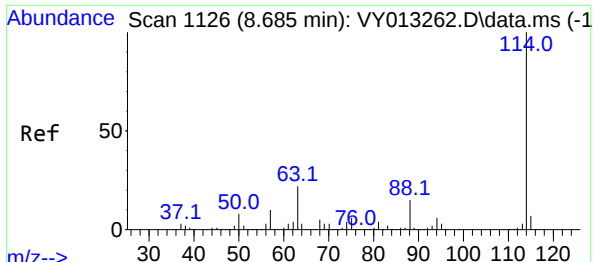
Tgt Ion: 56 Resp: 4616
Ion Ratio Lower Upper
56 100
69 197.6 25.7 38.5#
84 122.2 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 53.852 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

Tgt Ion: 65 Resp: 133152
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.0

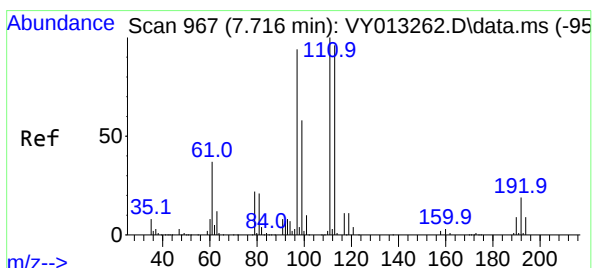
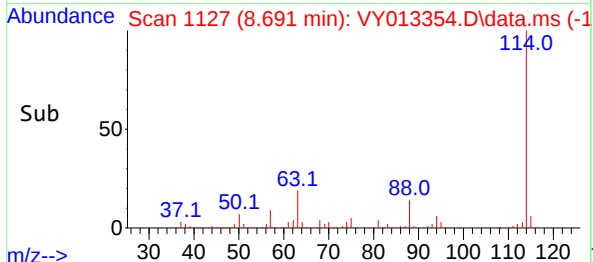
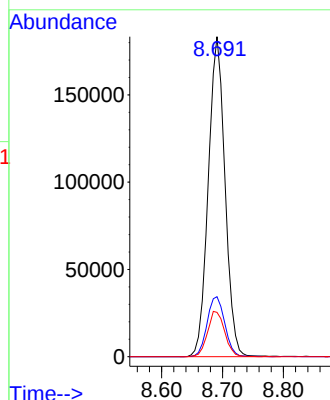
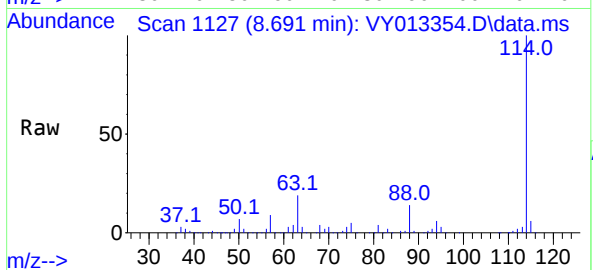




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

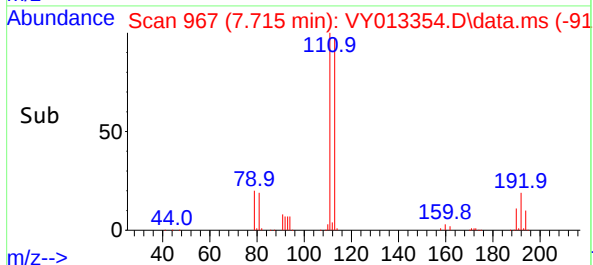
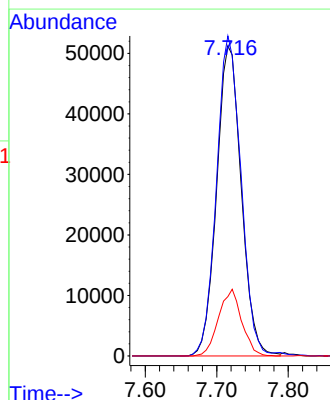
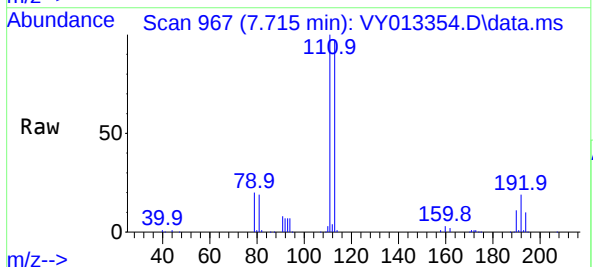
Instrument :
MSVOA_Y
ClientSampleId :

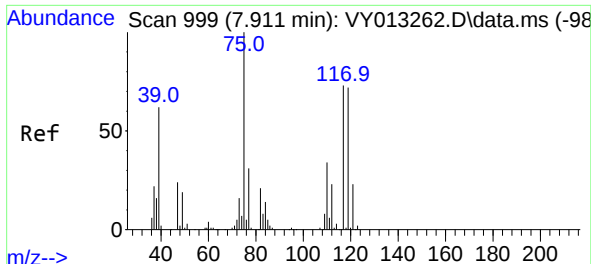
Tgt Ion:114 Resp: 349800
Ion Ratio Lower Upper
114 100
63 18.7 0.0 37.4
88 13.8 0.0 28.6



#35
Dibromofluoromethane
Concen: 54.108 ug/l
RT: 7.715 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

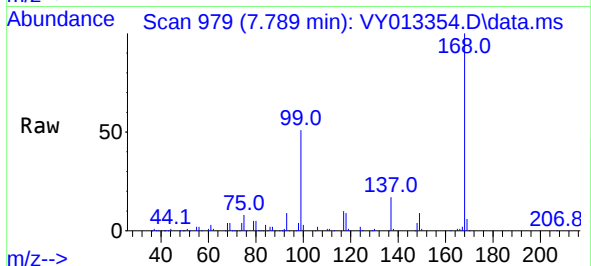
Tgt Ion:113 Resp: 122531
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 20.3 16.8 25.2



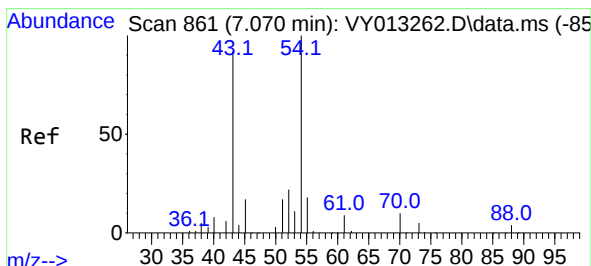
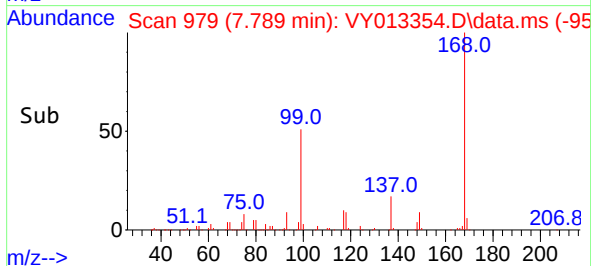
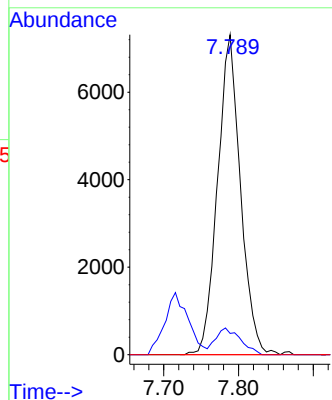


#36
1,1-Dichloropropene
Concen: 4.542 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

Instrument :
MSVOA_Y
ClientSampleId :

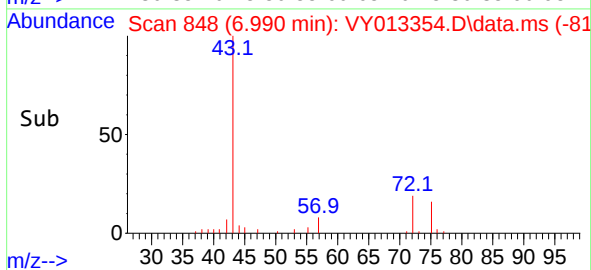
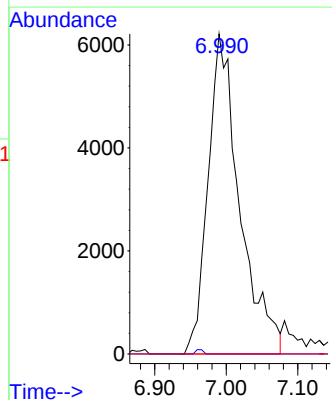
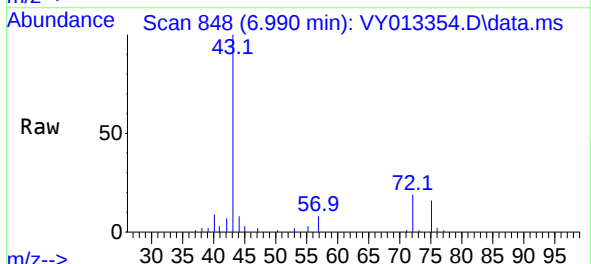


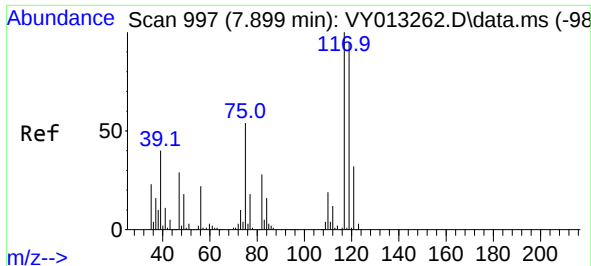
Tgt Ion: 75 Resp: 15583
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 6.898 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.080 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

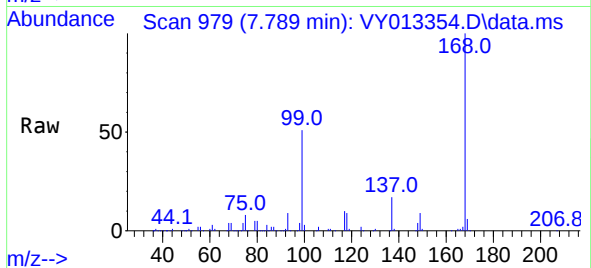
Tgt Ion: 43 Resp: 19076
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.8 11.8#



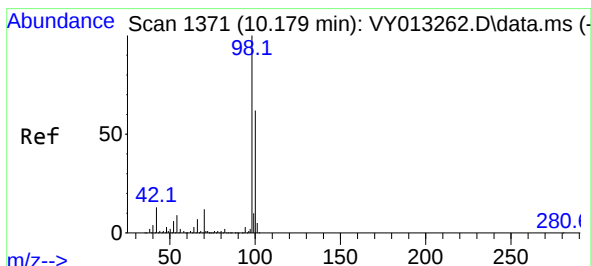
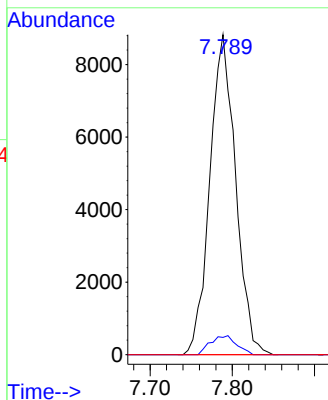
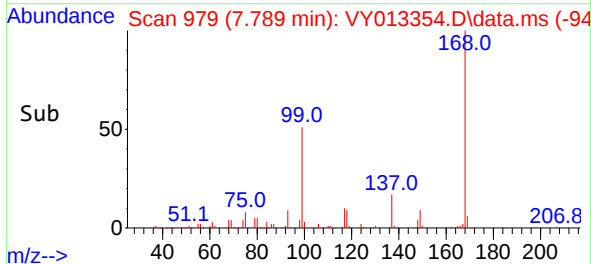


#38
Carbon Tetrachloride
Concen: 5.073 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

Instrument :
MSVOA_Y
ClientSampleId :

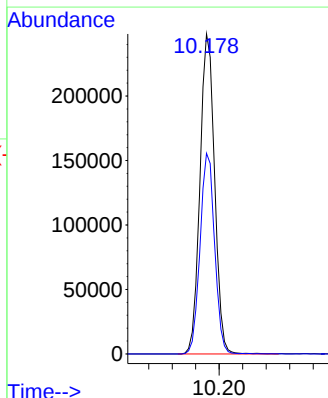
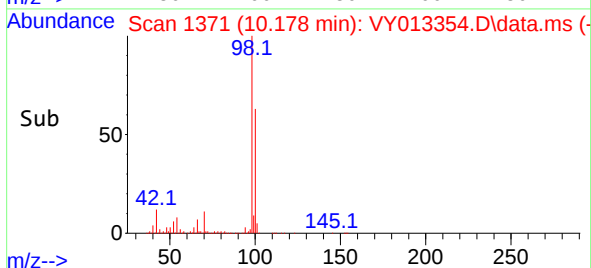
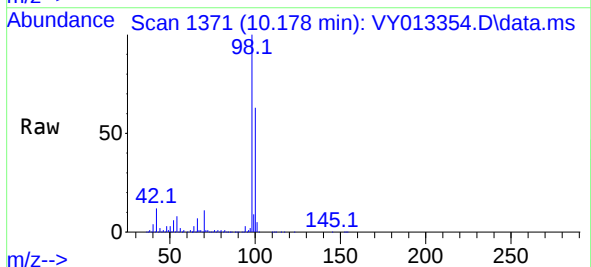


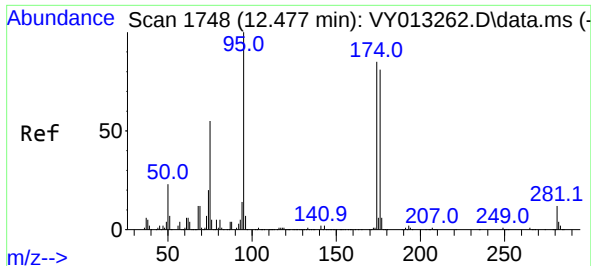
Tgt Ion:117 Resp: 19246
Ion Ratio Lower Upper
117 100
119 5.4 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 50.947 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

Tgt Ion: 98 Resp: 429440
Ion Ratio Lower Upper
98 100
100 62.4 50.9 76.3

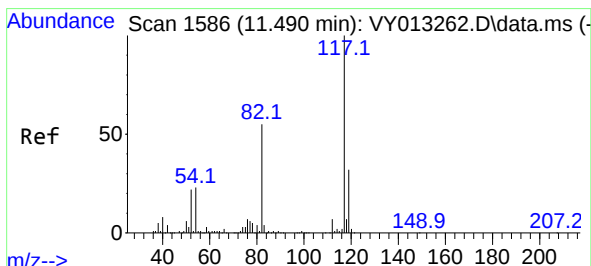
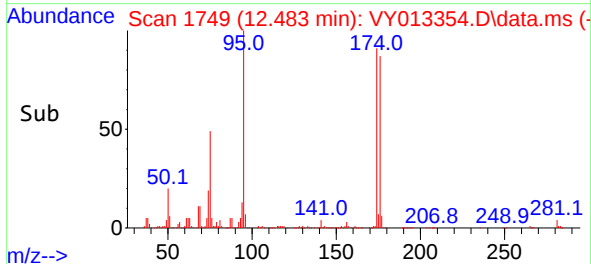
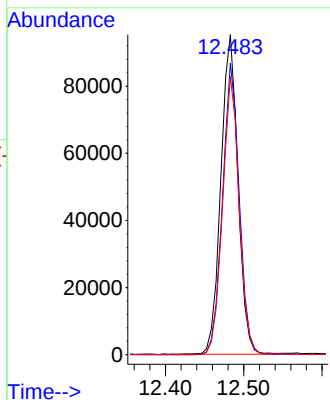
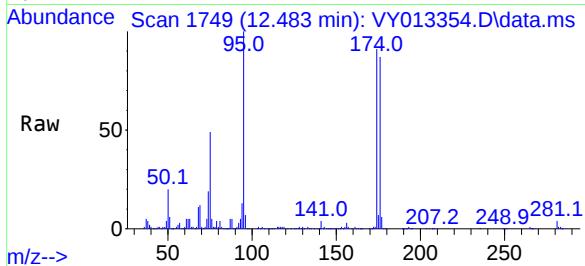




#62
4-Bromofluorobenzene
Concen: 52.718 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

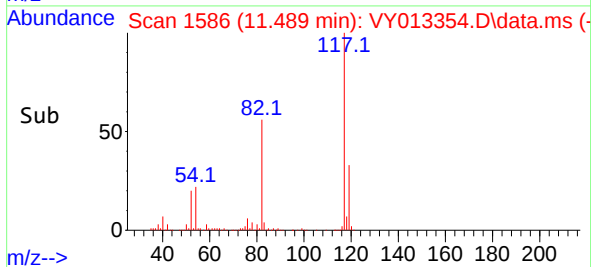
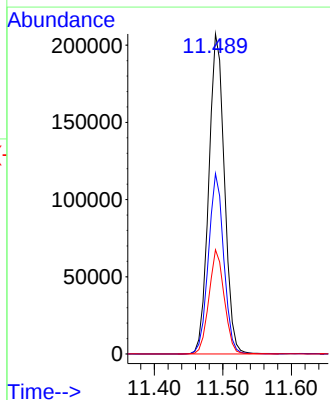
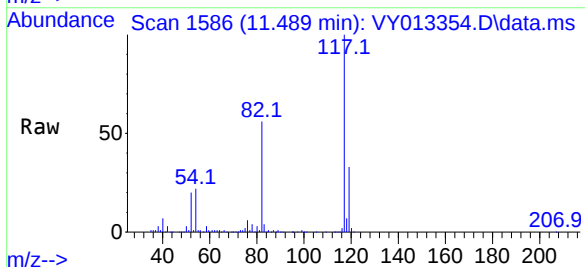
Instrument :
MSVOA_Y
ClientSampleId :

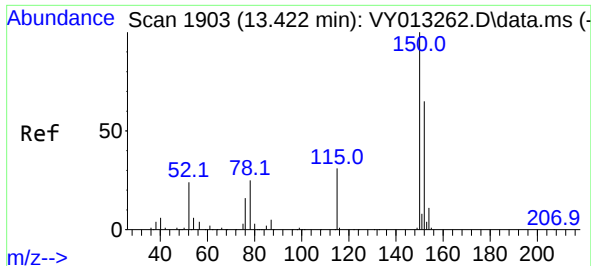
Tgt Ion: 95 Resp: 144381
Ion Ratio Lower Upper
95 100
174 89.8 0.0 176.6
176 84.5 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

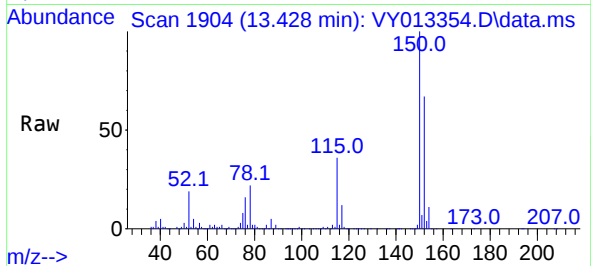
Tgt Ion: 117 Resp: 329708
Ion Ratio Lower Upper
117 100
82 56.4 45.4 68.0
119 32.6 25.6 38.4



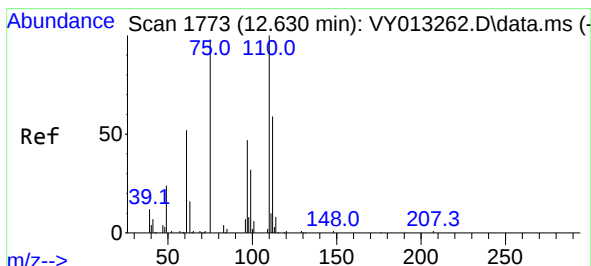
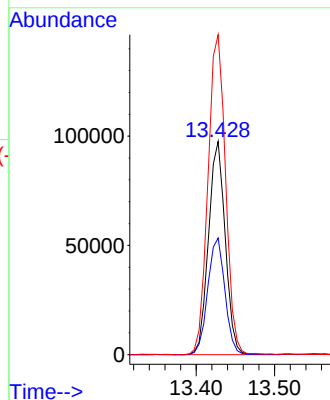
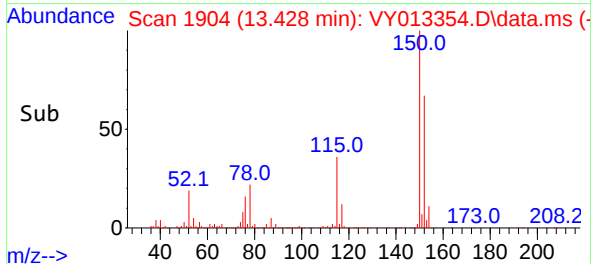


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

Instrument :
MSVOA_Y
ClientSampleId :

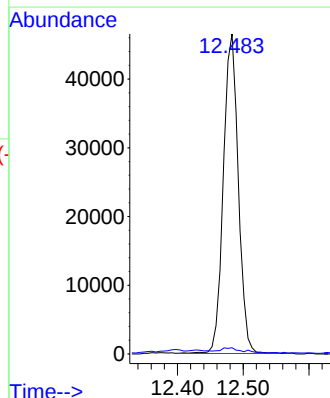
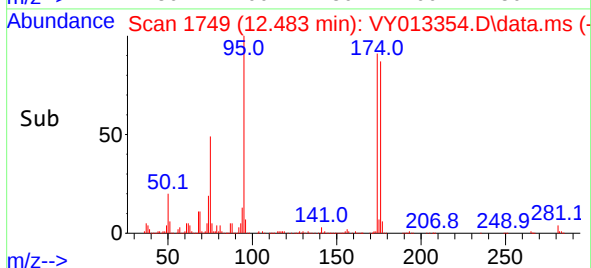
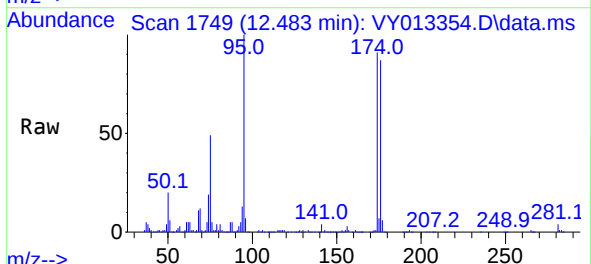


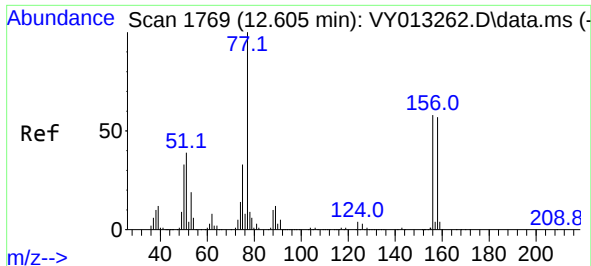
Tgt Ion:152 Resp: 144918
Ion Ratio Lower Upper
152 100
115 56.3 27.1 81.3
150 157.3 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 40.728 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

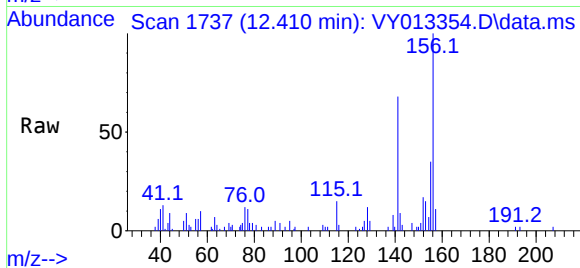
Tgt Ion: 75 Resp: 73546
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



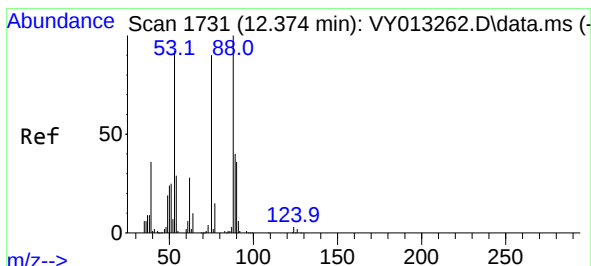
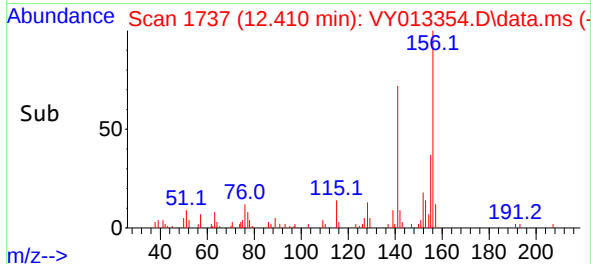
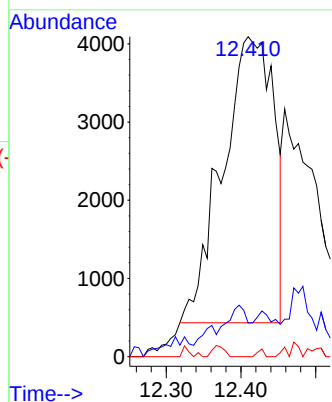


#77
Bromobenzene
Concen: 7.046 ug/l
RT: 12.410 min Scan# 1749
Delta R.T. -0.195 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

Instrument :
MSVOA_Y
ClientSampleId :

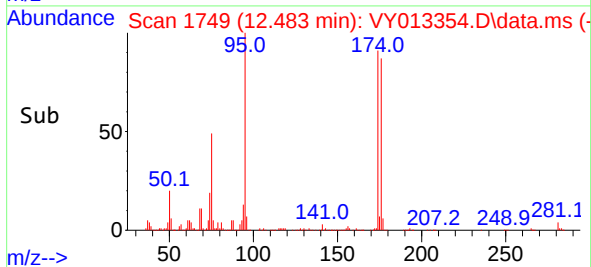
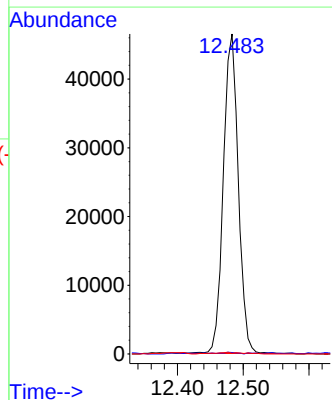
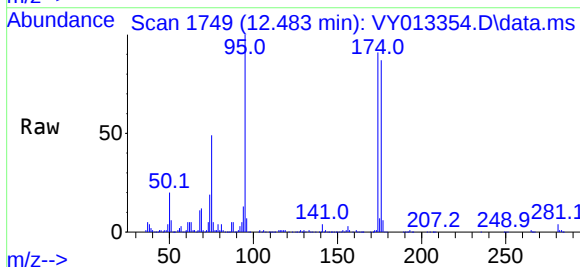


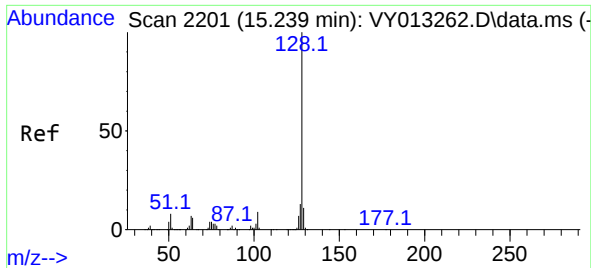
Tgt Ion:156 Resp: 17515
Ion Ratio Lower Upper
156 100
77 4.8 94.0 282.1#
158 0.0 48.1 144.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.530 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

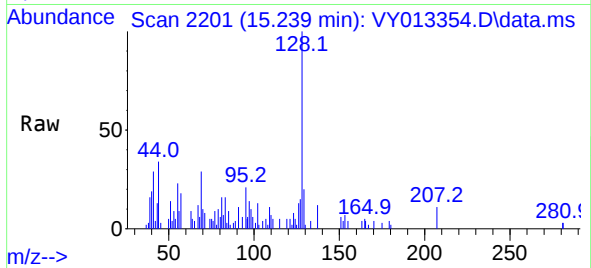
Tgt Ion: 75 Resp: 73546
Ion Ratio Lower Upper
75 100
53 0.5 73.4 110.0#
89 0.8 36.6 55.0#





#95
Naphthalene
Concen: 3.962 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013354.D
Acq: 19 Apr 2023 18:39

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	5147
Ion	Ratio	Lower	Upper
128	100		
127	17.8	10.3	15.5#
129	15.2	8.6	13.0#

