

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
 Data File : VY013351.D
 Acq On : 19 Apr 2023 17:29
 Operator : KP/MD
 Sample : 02366-01
 Misc : 5.44g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 20 06:57:07 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)

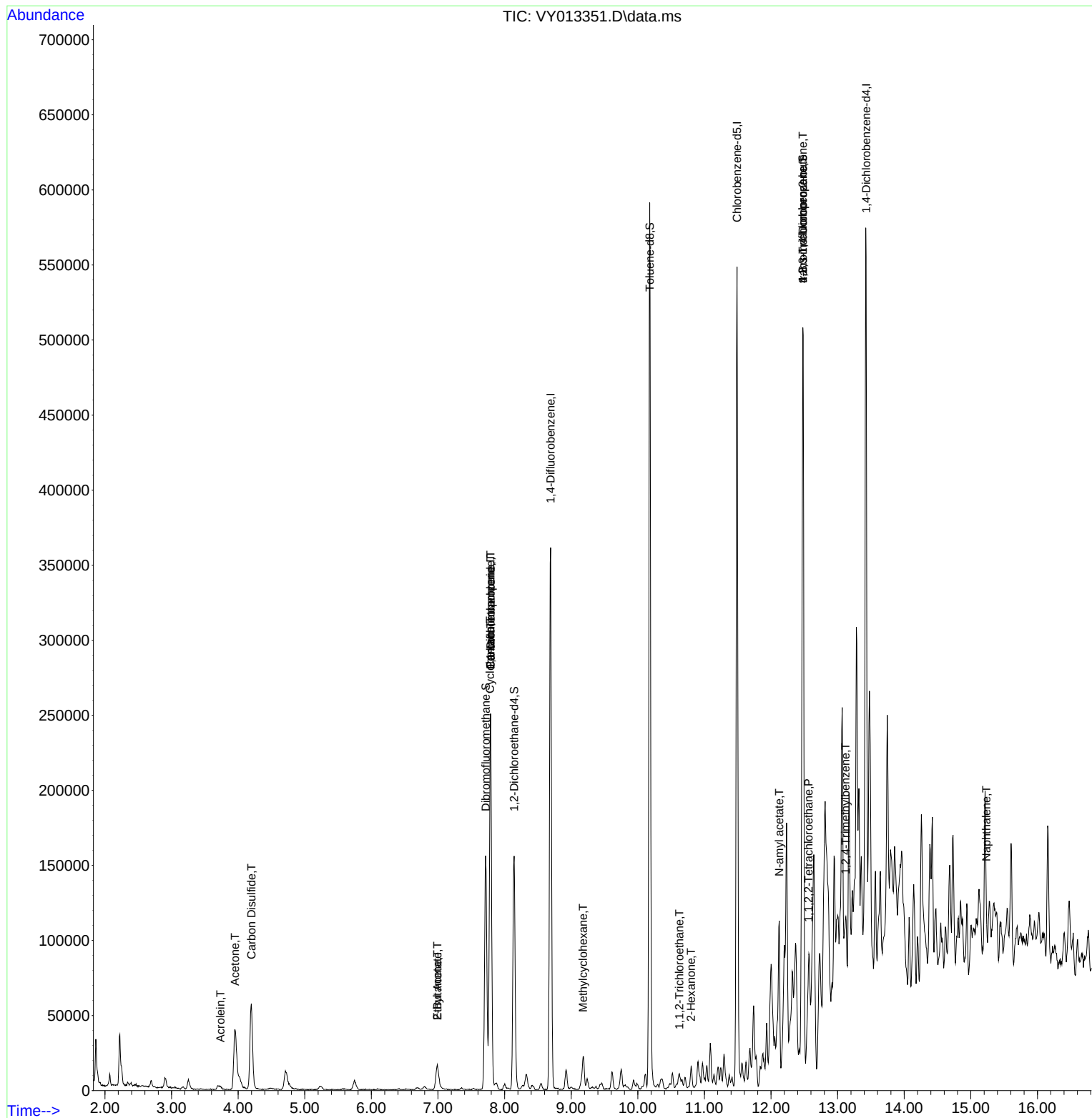
Internal Standards						
1) Pentafluorobenzene	7.789	168	187174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	309933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	290805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	133904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	125198	55.658	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.320%	
35) Dibromofluoromethane	7.716	113	109311	54.479	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.960%	
50) Toluene-d8	10.179	98	376362	50.393	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.780%	
62) 4-Bromofluorobenzene	12.477	95	130973	53.974	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.940%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.960	59	185	Below Cal	#	74
13) Acrolein	3.735	56	2363	8.552	ug/l #	14
16) Acetone	3.954	43	89369	115.552	ug/l	97
17) Carbon Disulfide	4.198	76	117539	20.270	ug/l	100
25) 2-Butanone	6.990	43	26155	26.412	ug/l	90
31) Cyclohexane	7.783	56	8088	2.378	ug/l #	46
36) 1,1-Dichloropropene	7.789	75	13703	4.508	ug/l #	52
37) Ethyl Acetate	6.990	43	26155	10.674	ug/l #	70
38) Carbon Tetrachloride	7.789	117	17175	5.110	ug/l #	17
39) Methylcyclohexane	9.179	83	6149	1.740	ug/l #	77
55) 1,1,2-Trichloroethane	10.624	97	2789	1.539	ug/l #	28
59) 2-Hexanone	10.801	43	5727	3.556	ug/l #	29
74) N-amyl acetate	12.124	43	25924	7.911	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	12.562	83	4587	2.022	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	68587	41.106	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	68587	85.315	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	16297	2.177	ug/l	98
95) Naphthalene	15.233	128	3062	3.692	ug/l #	37

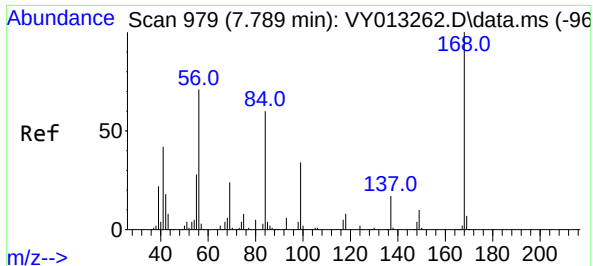
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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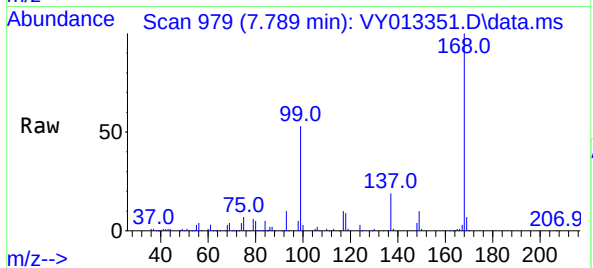
Quant Time: Apr 20 06:57:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
Response via : Initial Calibration



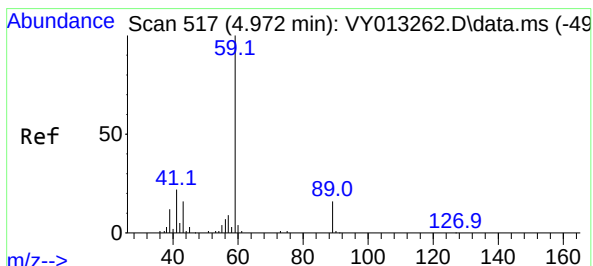
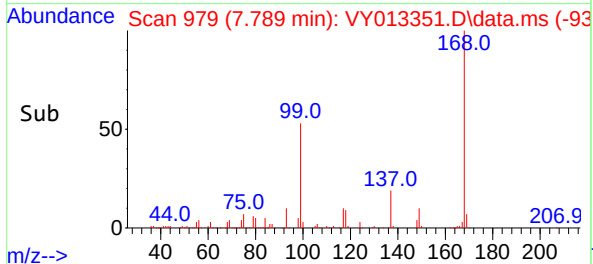
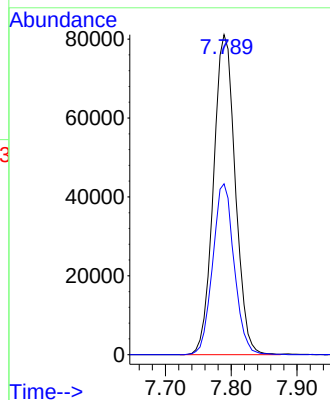


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

Instrument :
MSVOA_Y
ClientSampleId :

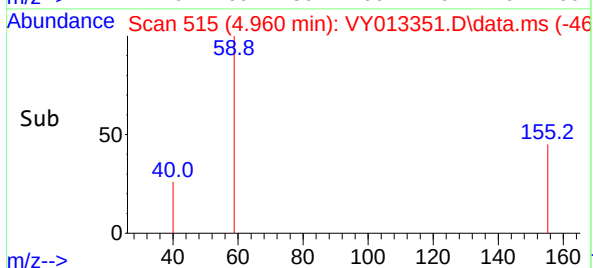
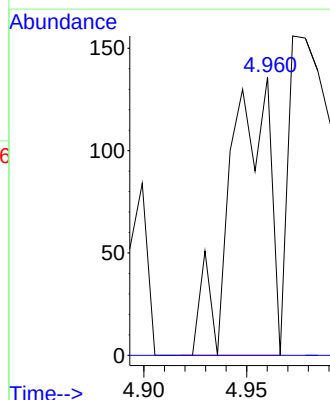
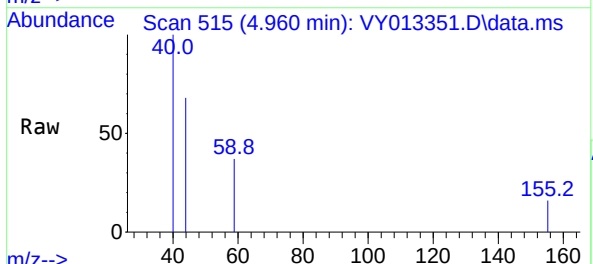


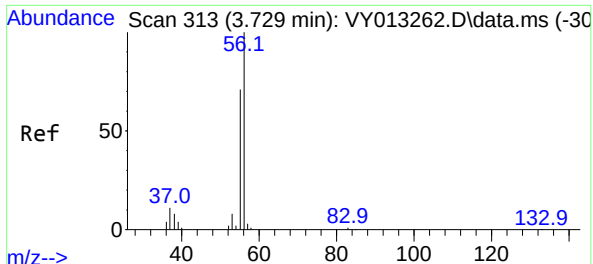
Tgt Ion:168 Resp: 187174
Ion Ratio Lower Upper
168 100
99 53.4 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

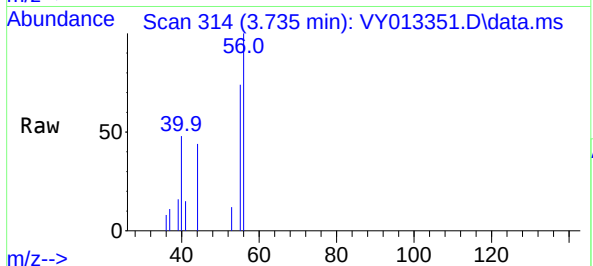
Tgt Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



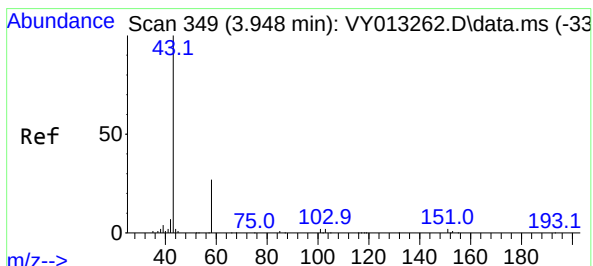
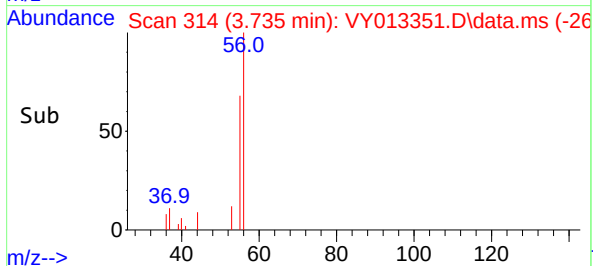
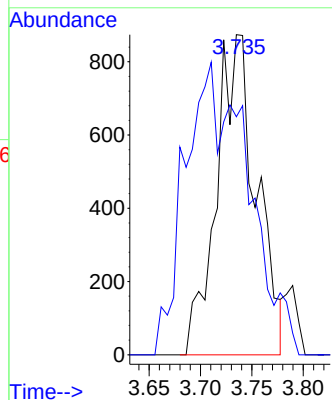


#13
Acrolein
Concen: 8.552 ug/l
RT: 3.735 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

Instrument :
MSVOA_Y
ClientSampleId :

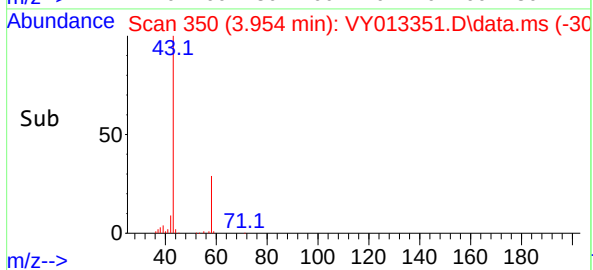
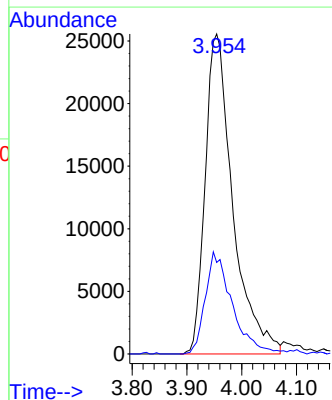
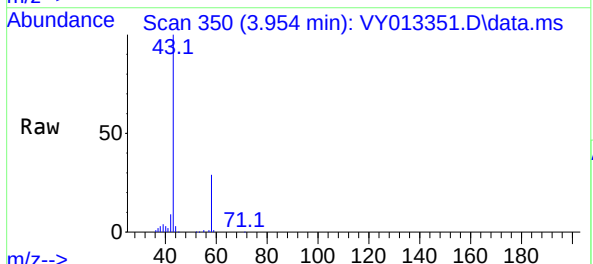


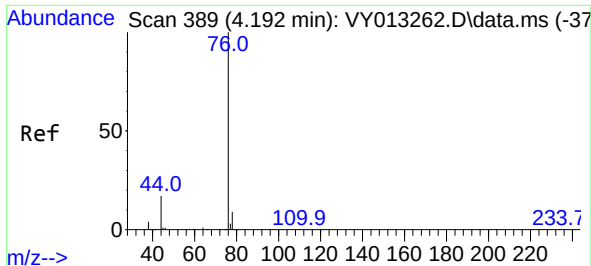
Tgt Ion: 56 Resp: 2363
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#



#16
Acetone
Concen: 115.552 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

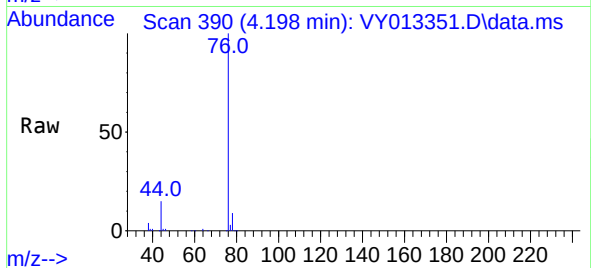
Tgt Ion: 43 Resp: 89369
Ion Ratio Lower Upper
43 100
58 28.6 24.2 36.2



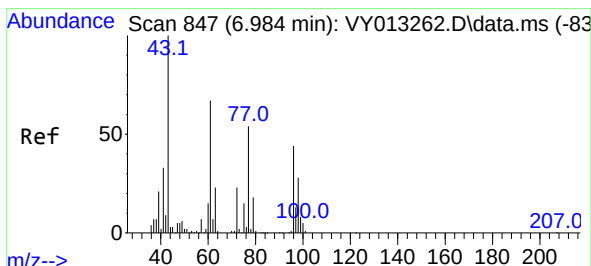
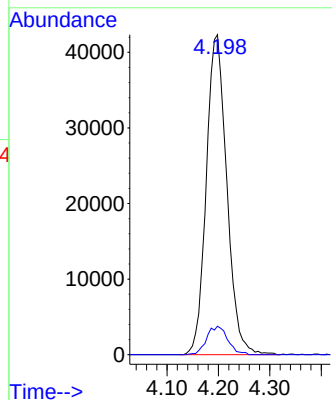
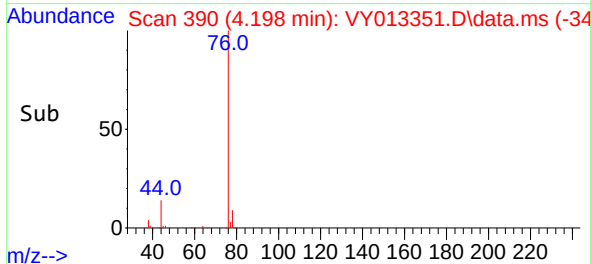


#17
Carbon Disulfide
Concen: 20.270 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

Instrument :
MSVOA_Y
ClientSampleId :

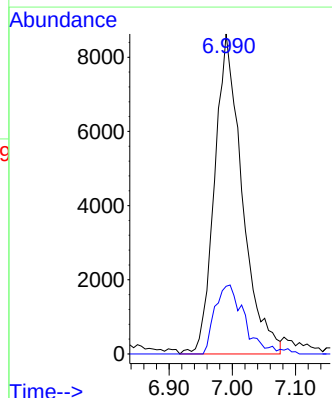
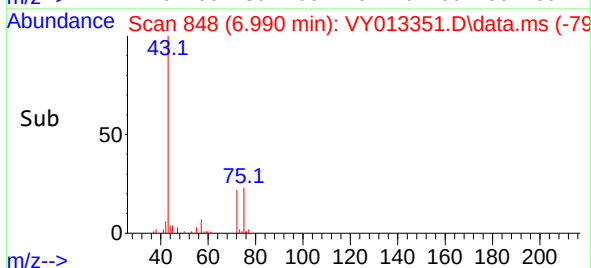
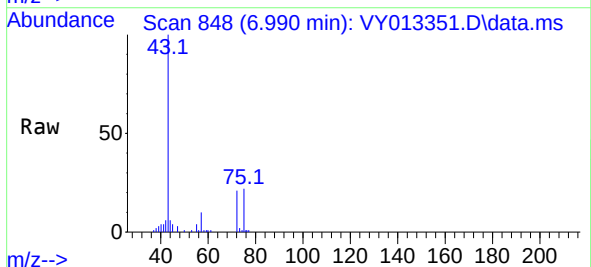


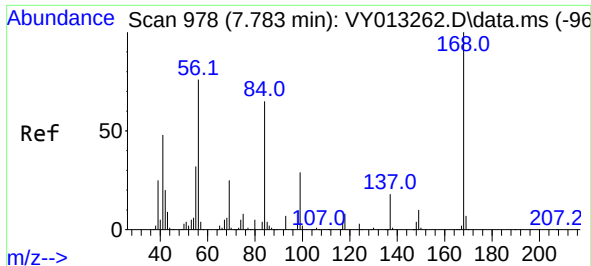
Tgt Ion: 76 Resp: 117539
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#25
2-Butanone
Concen: 26.412 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

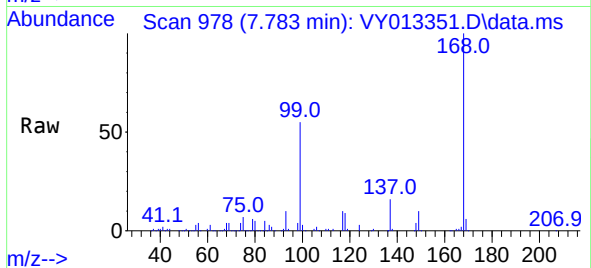
Tgt Ion: 43 Resp: 26155
Ion Ratio Lower Upper
43 100
72 21.2 21.0 31.4



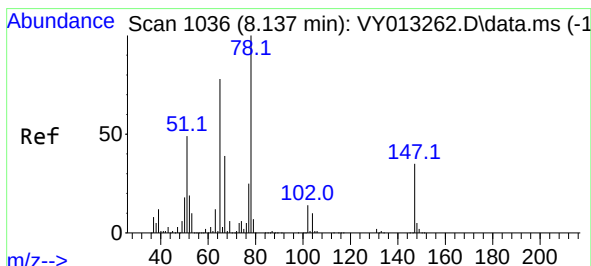
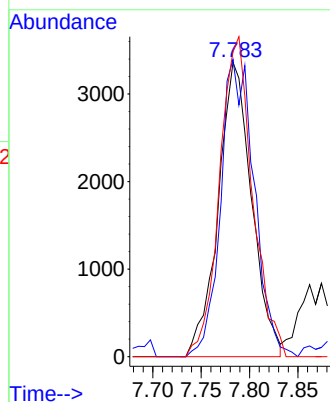
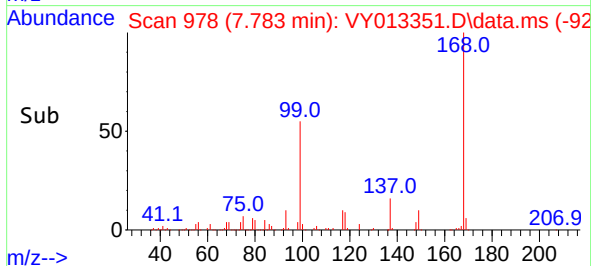


#31
Cyclohexane
Concen: 2.378 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

Instrument :
MSVOA_Y
ClientSampleId :

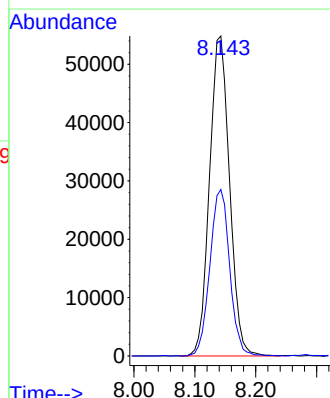
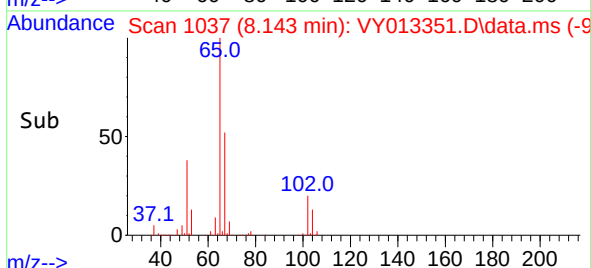
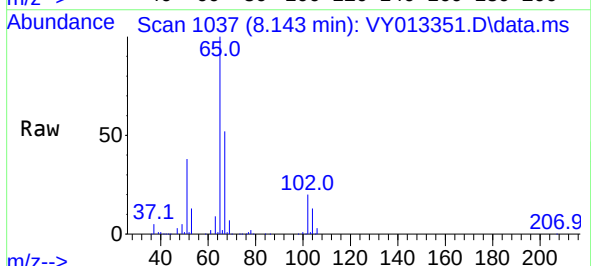


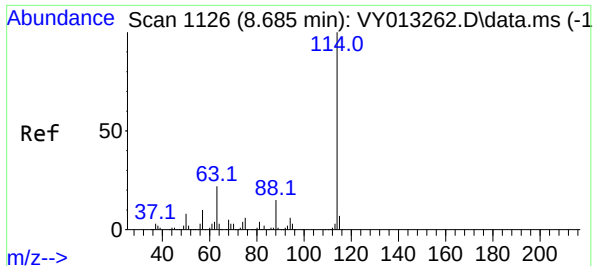
Tgt Ion: 56 Resp: 8088
Ion Ratio Lower Upper
56 100
69 101.0 25.7 38.5#
84 103.7 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 55.658 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

Tgt Ion: 65 Resp: 125198
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013351.D

Acq: 19 Apr 2023 17:29

Instrument :

MSVOA_Y

ClientSampleId :

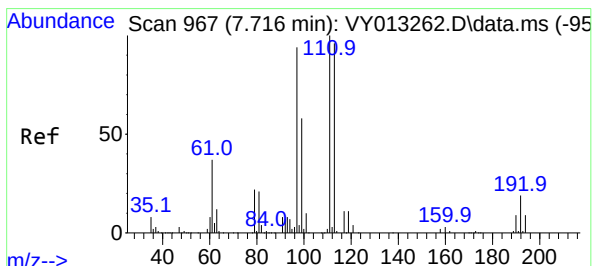
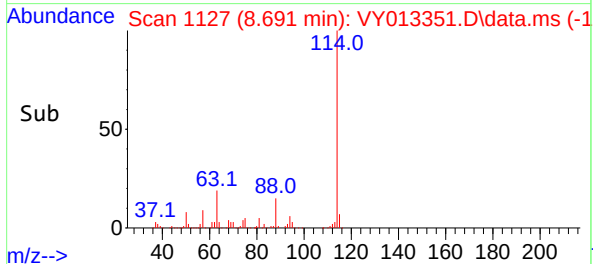
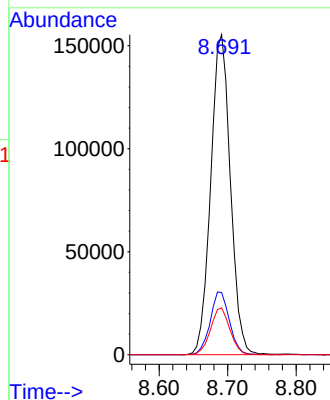
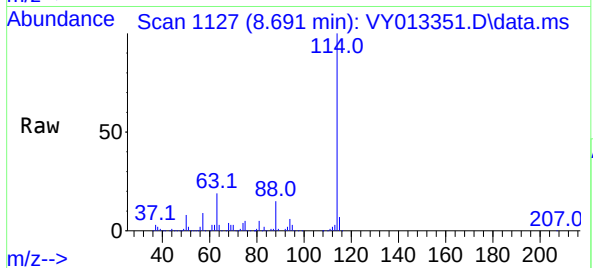
Tgt Ion:114 Resp: 309933

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

88 14.6 0.0 28.6



#35

Dibromofluoromethane

Concen: 54.479 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013351.D

Acq: 19 Apr 2023 17:29

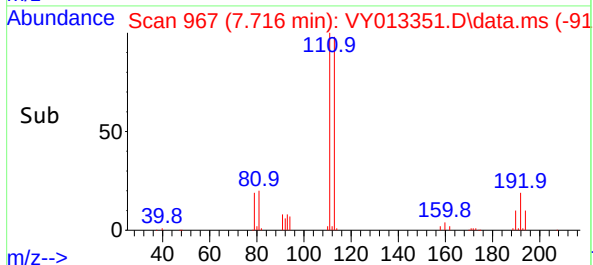
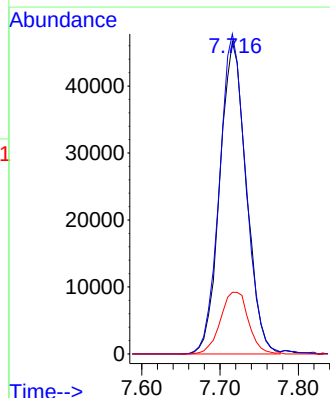
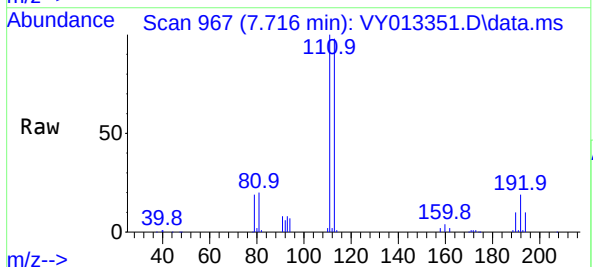
Tgt Ion:113 Resp: 109311

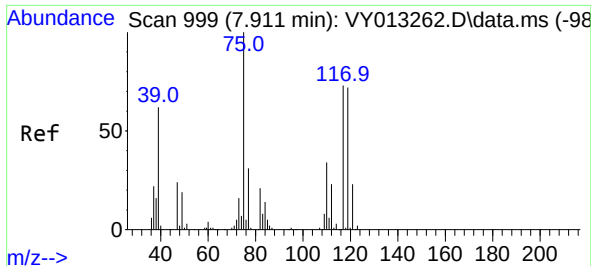
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

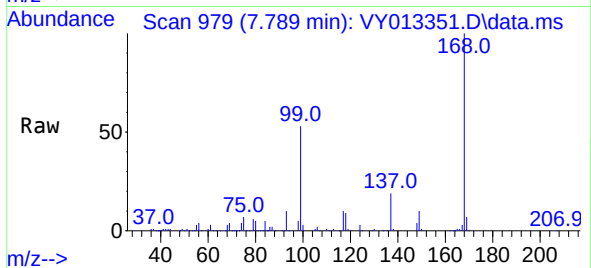
192 21.0 16.8 25.2



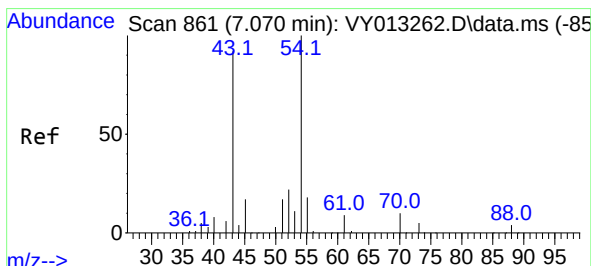
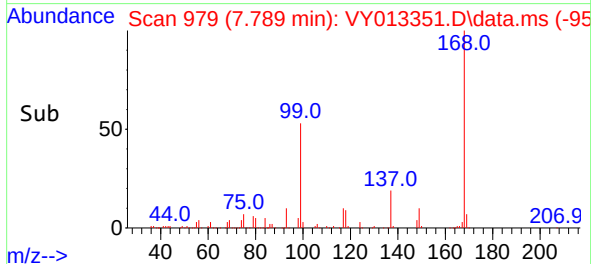
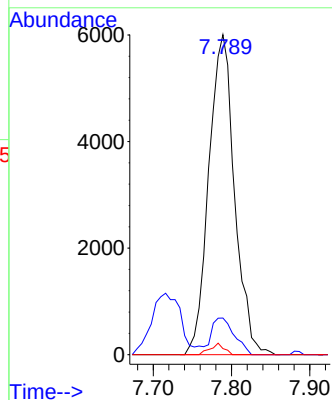


#36
1,1-Dichloropropene
Concen: 4.508 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

Instrument :
MSVOA_Y
ClientSampleId :

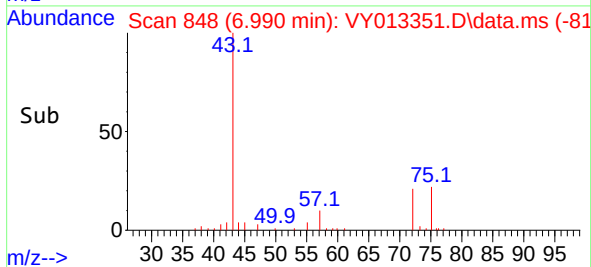
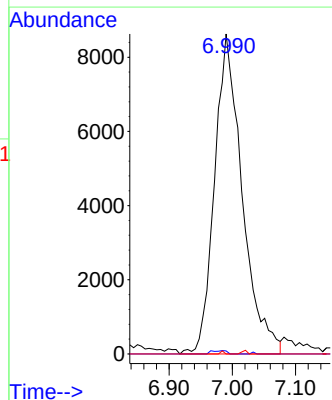
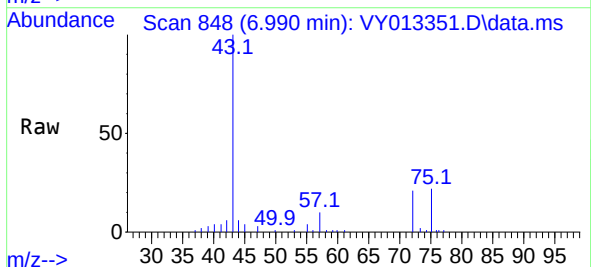


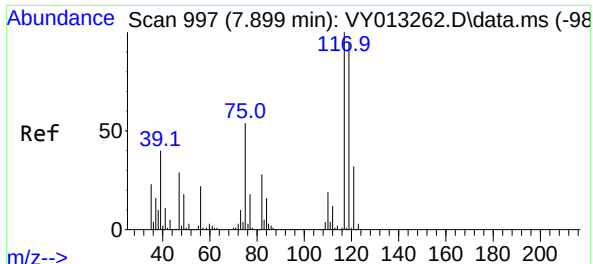
Tgt Ion: 75 Resp: 13703
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.3#
77 1.9 25.0 37.4#



#37
Ethyl Acetate
Concen: 10.674 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.079 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

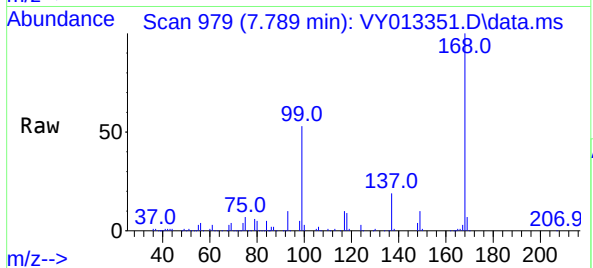
Tgt Ion: 43 Resp: 26155
Ion Ratio Lower Upper
43 100
61 0.6 10.7 16.1#
70 0.1 7.8 11.8#



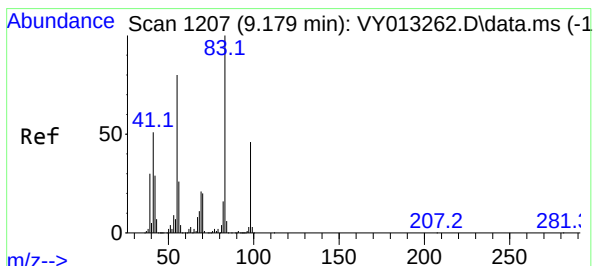
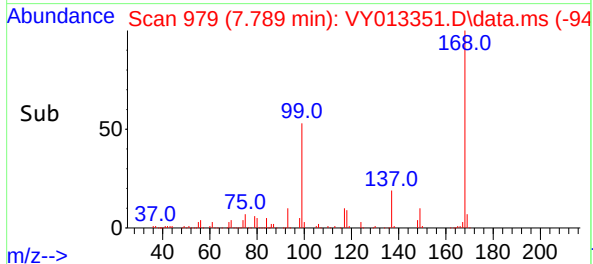
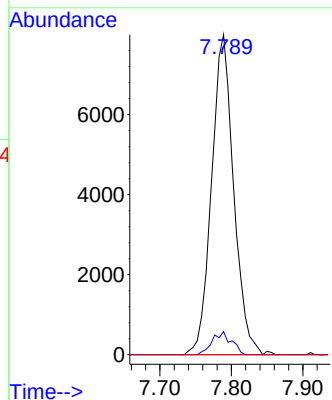


#38
Carbon Tetrachloride
Concen: 5.110 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

Instrument :
MSVOA_Y
ClientSampleId :

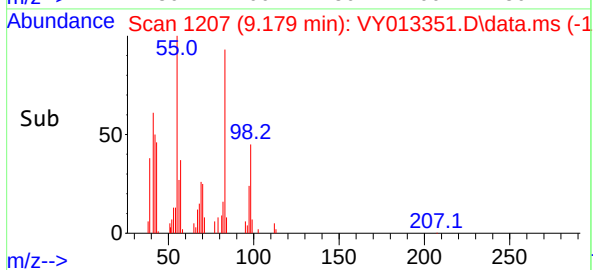
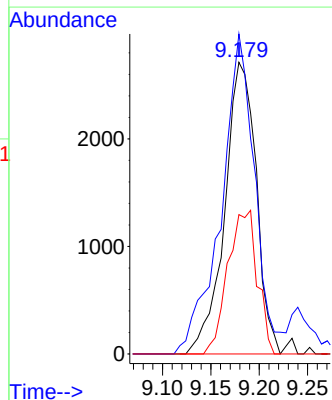
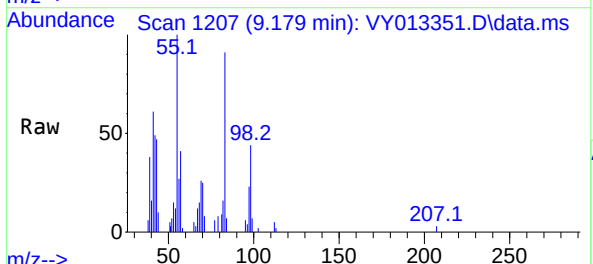


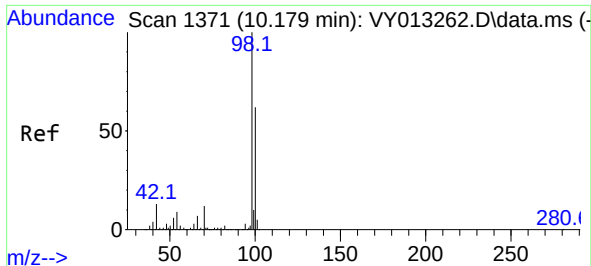
Tgt Ion:117 Resp: 17175
Ion Ratio Lower Upper
117 100
119 7.3 77.2 115.8#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 1.740 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

Tgt Ion: 83 Resp: 6149
Ion Ratio Lower Upper
83 100
55 106.9 60.0 90.0#
98 47.8 38.3 57.5

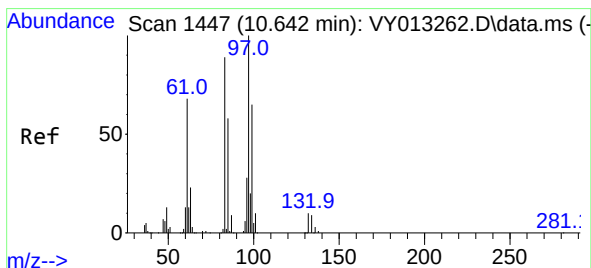
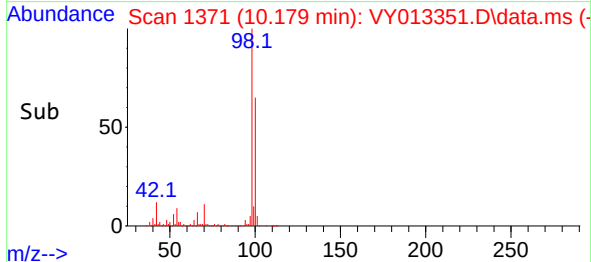
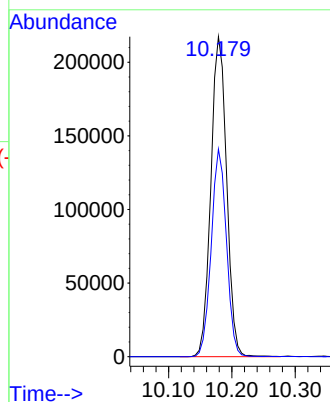
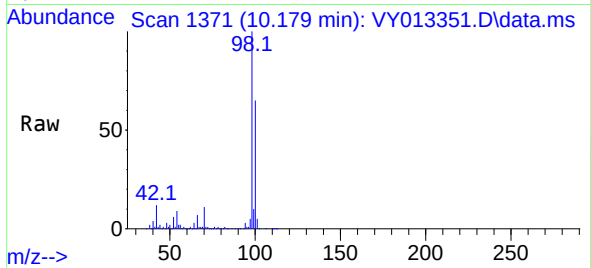




#50
Toluene-d8
Concen: 50.393 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

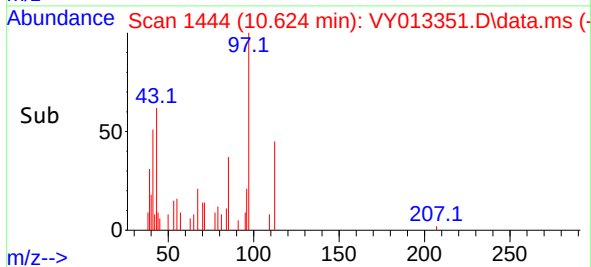
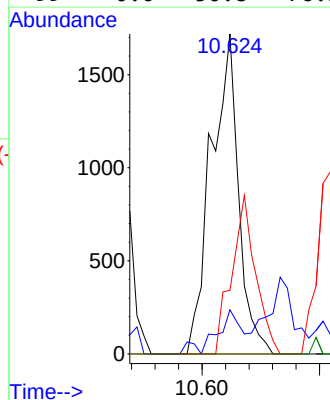
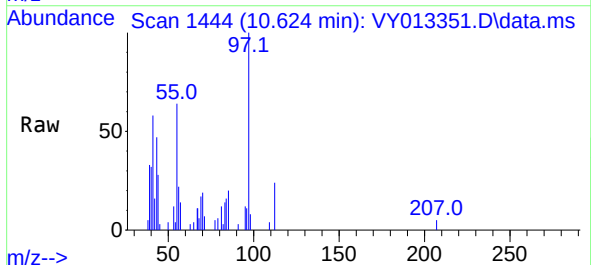
Instrument :
MSVOA_Y
ClientSampleId :

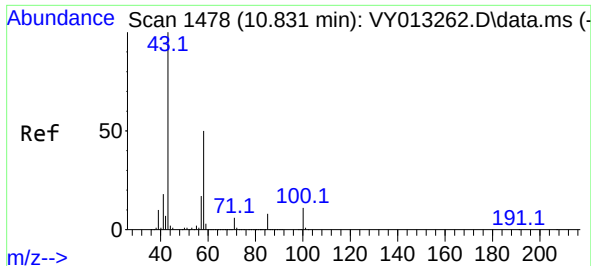
Tgt Ion: 98 Resp: 376362
Ion Ratio Lower Upper
98 100
100 62.5 50.9 76.3



#55
1,1,2-Trichloroethane
Concen: 1.539 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.018 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

Tgt Ion: 97 Resp: 2789
Ion Ratio Lower Upper
97 100
83 13.8 69.0 103.6#
85 19.9 44.9 67.3#
99 0.0 50.8 76.2#

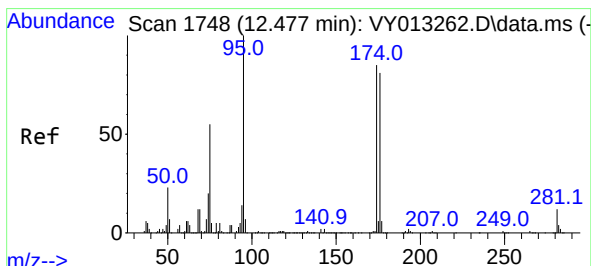
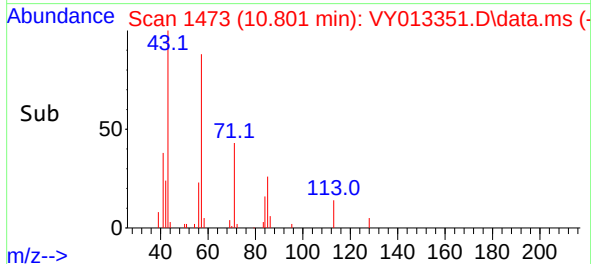
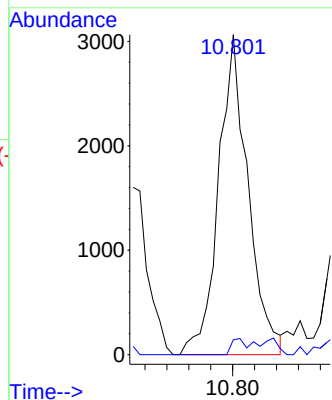
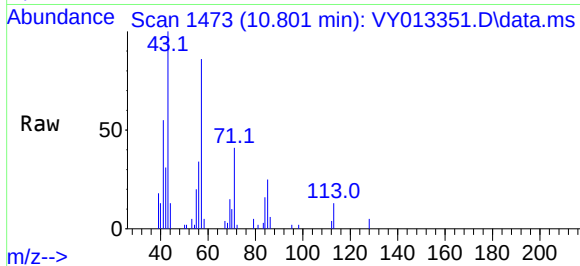




#59
2-Hexanone
Concen: 3.556 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

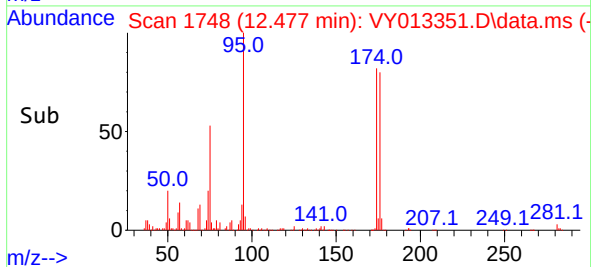
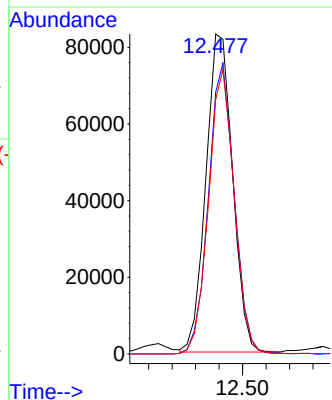
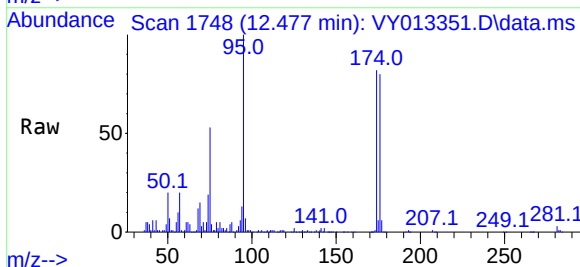
Instrument :
MSVOA_Y
ClientSampleId :

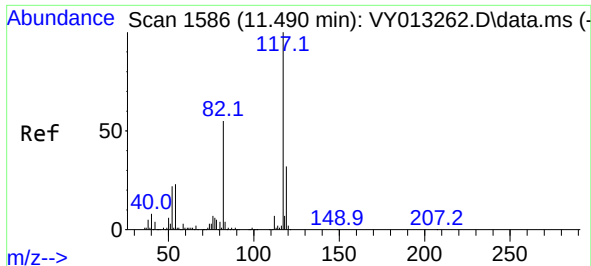
Tgt Ion: 43 Resp: 5727
Ion Ratio Lower Upper
43 100
58 2.3 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 53.974 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

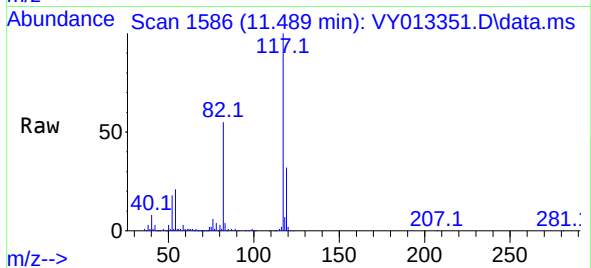
Tgt Ion: 95 Resp: 130973
Ion Ratio Lower Upper
95 100
174 88.2 0.0 176.6
176 86.4 0.0 170.2



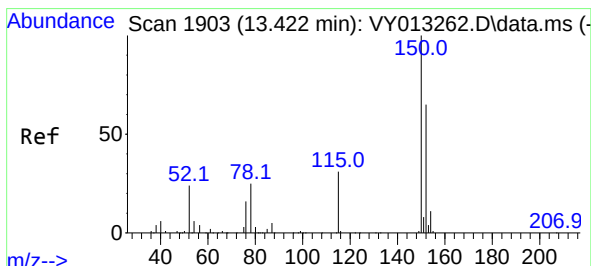
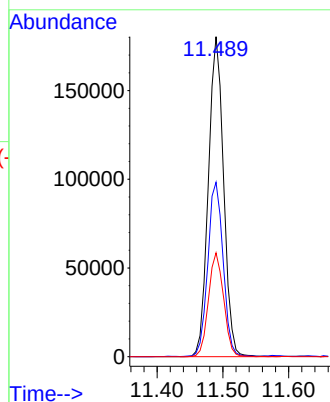
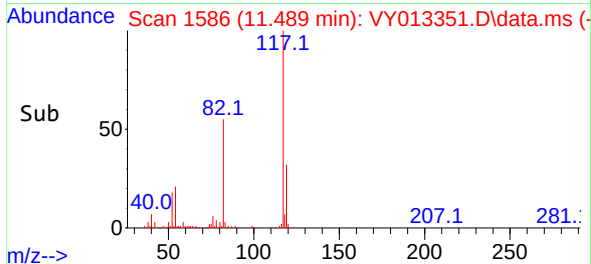


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

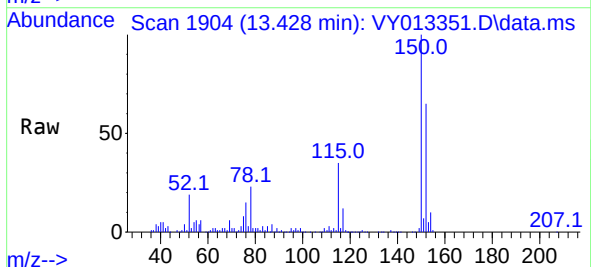
Instrument :
MSVOA_Y
ClientSampleId :



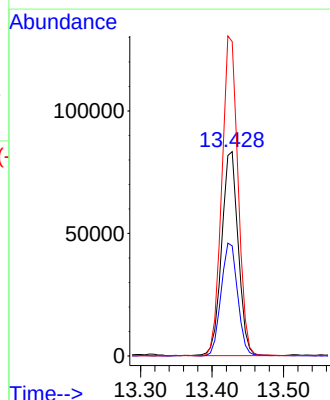
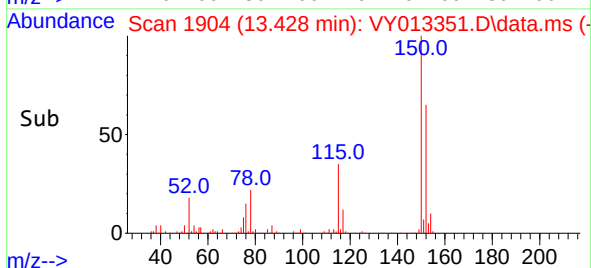
Tgt Ion:117 Resp: 290805
Ion Ratio Lower Upper
117 100
82 54.5 45.4 68.0
119 32.4 25.6 38.4

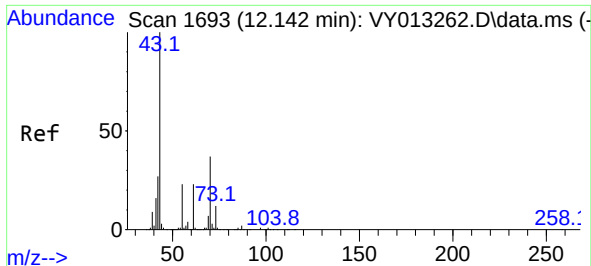


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29



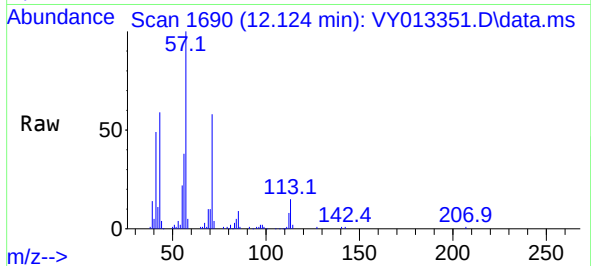
Tgt Ion:152 Resp: 133904
Ion Ratio Lower Upper
152 100
115 55.6 27.1 81.3
150 153.4 0.0 347.8



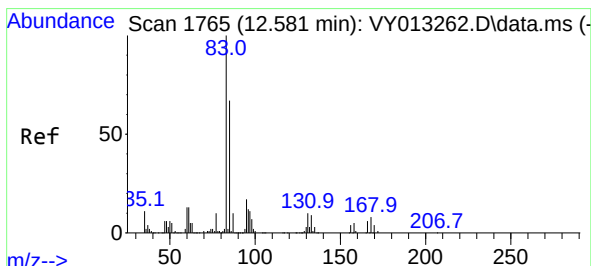
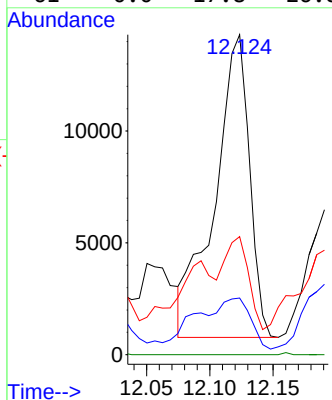
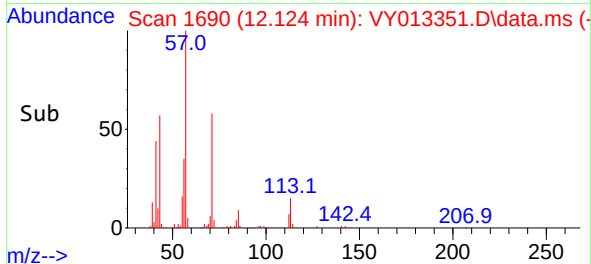


#74
N-amy1 acetate
Concen: 7.911 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

Instrument :
MSVOA_Y
ClientSampleId :

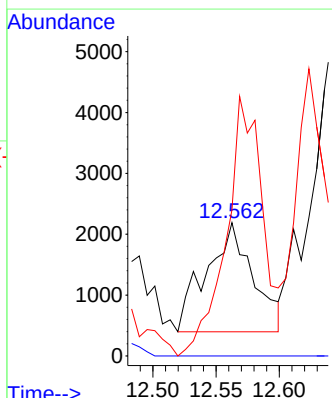
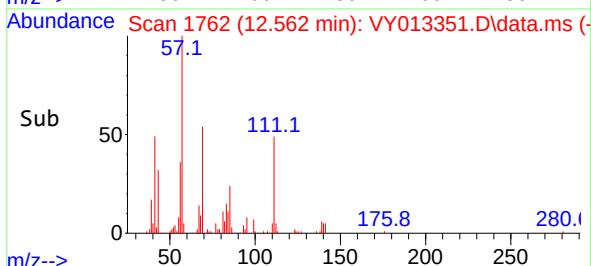
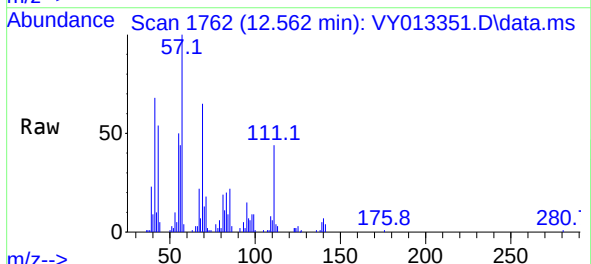


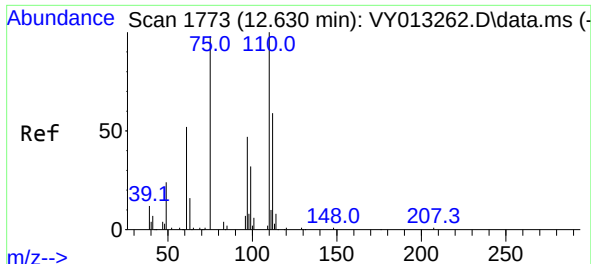
Tgt Ion:	43	Resp:	25924
Ion Ratio	Lower	Upper	
43	100		
70	25.9	31.6	47.4#
55	21.0	18.8	28.2
61	0.0	17.8	26.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 2.022 ug/l
RT: 12.562 min Scan# 1762
Delta R.T. -0.018 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

Tgt Ion:	83	Resp:	4587
Ion Ratio	Lower	Upper	
83	100		
131	0.0	5.1	15.2#
85	186.9	31.8	95.3#

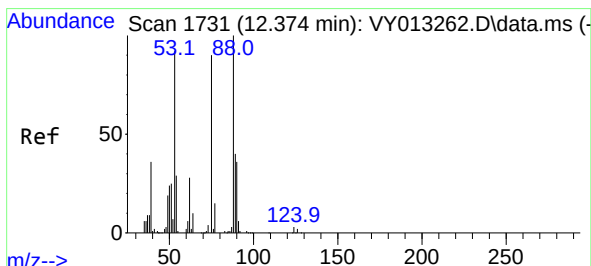
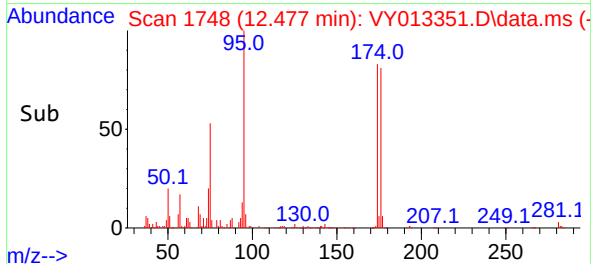
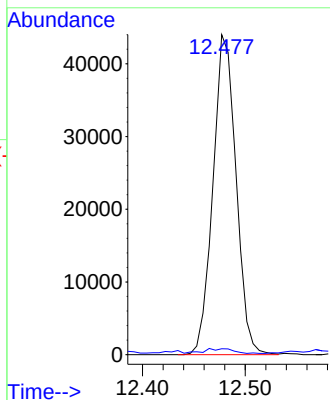
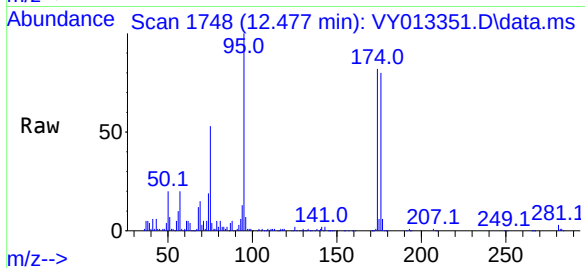




#76
1,2,3-Trichloropropane
Concen: 41.106 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

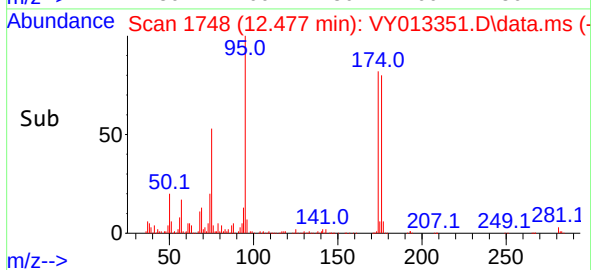
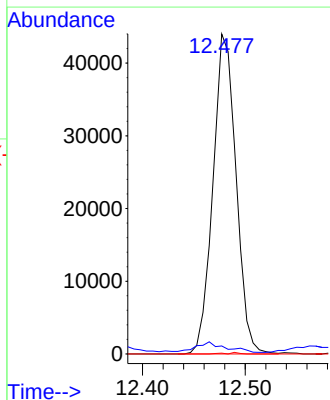
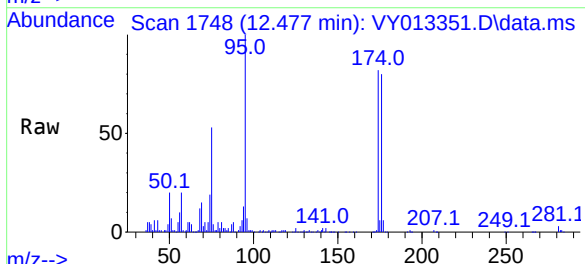
Instrument :
MSVOA_Y
ClientSampleId :

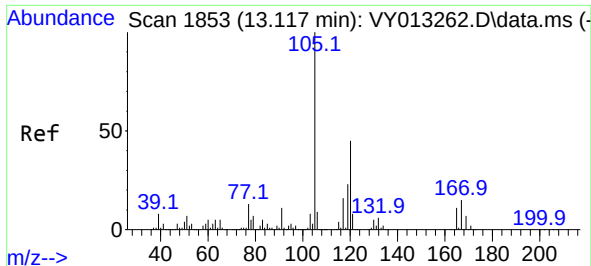
Tgt Ion: 75 Resp: 68587
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.315 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

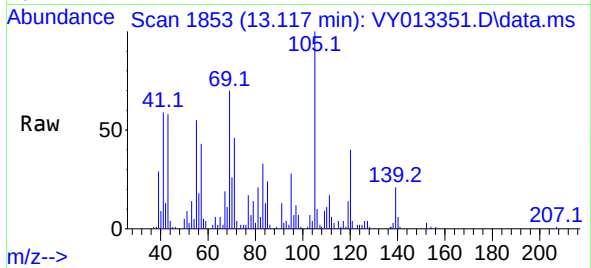
Tgt Ion: 75 Resp: 68587
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.2 36.6 55.0#



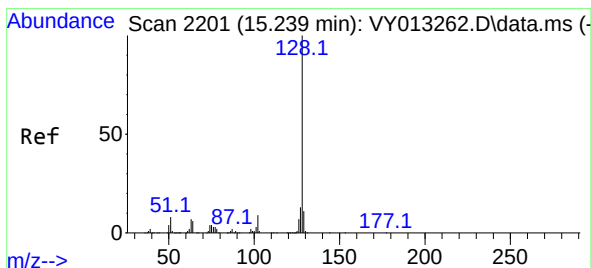
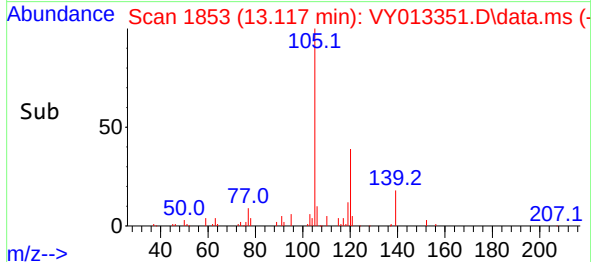
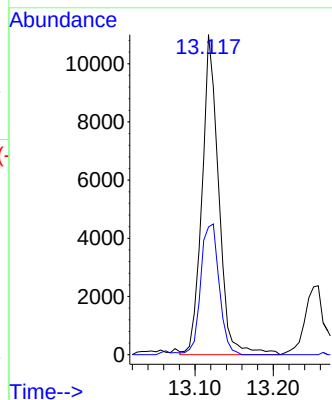


#84
1,2,4-Trimethylbenzene
Concen: 2.177 ug/l
RT: 13.117 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:105 Resp: 16297
Ion Ratio Lower Upper
105 100
120 45.0 23.0 69.0



#95
Naphthalene
Concen: 3.692 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY013351.D
Acq: 19 Apr 2023 17:29

Tgt Ion:128 Resp: 3062
Ion Ratio Lower Upper
128 100
127 57.6 10.3 15.5#
129 9.4 8.6 13.0

