

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
 Data File : VY013356.D
 Acq On : 19 Apr 2023 19:26
 Operator : KP/MD
 Sample : 02389-02
 Misc : 4.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 20 06:57:57 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)

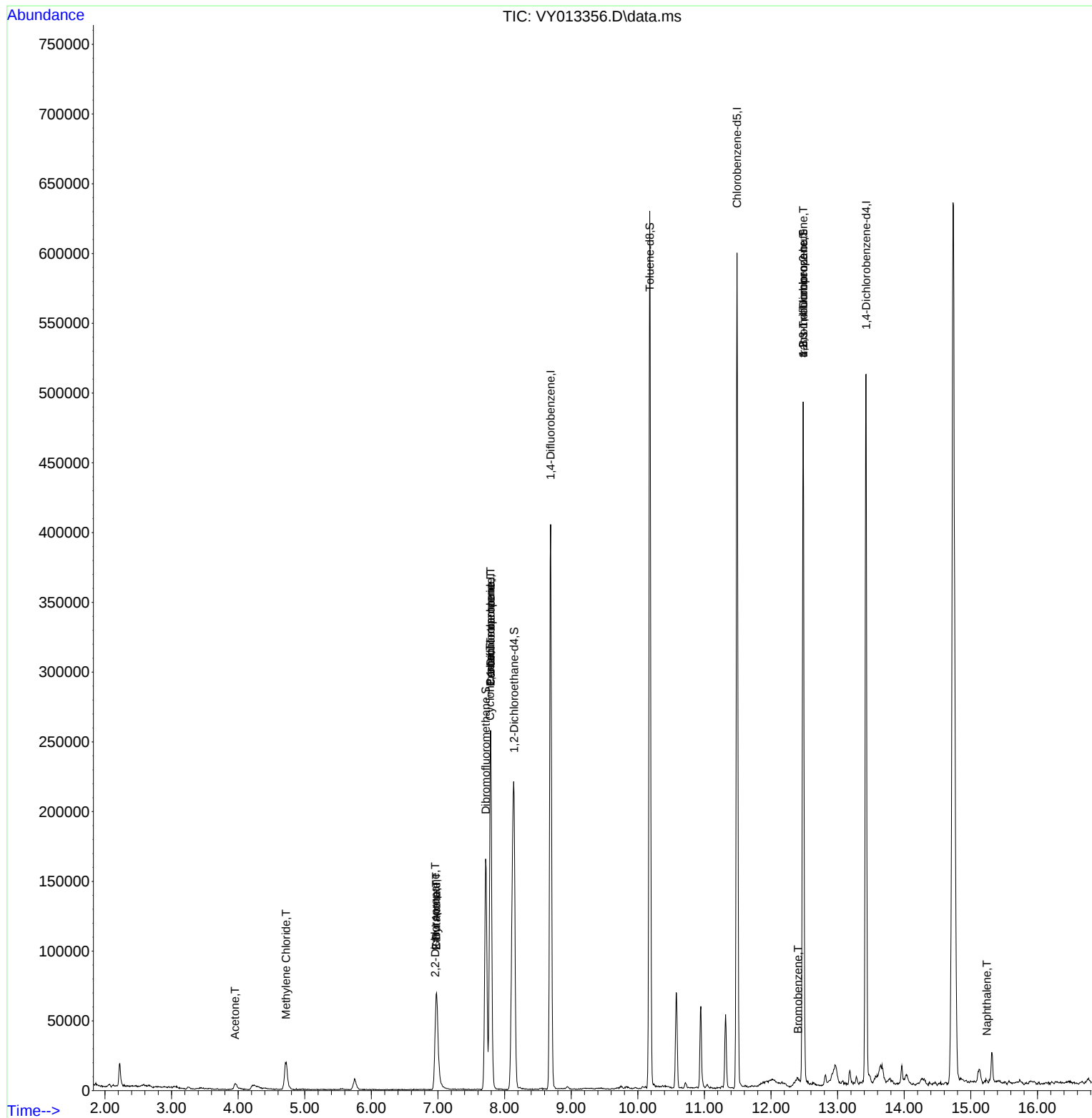
Internal Standards						
1) Pentafluorobenzene	7.789	168	202363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	340579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	314564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	134386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	130172	53.526	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.060%	
35) Dibromofluoromethane	7.716	113	115344	52.313	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.620%	
50) Toluene-d8	10.179	98	405834	49.450	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.900%	
62) 4-Bromofluorobenzene	12.483	95	129716	48.646	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.300%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	252	Below Cal	#	74
16) Acetone	3.954	43	8760	10.476	ug/l	90
20) Methylene Chloride	4.716	84	14185	2.351	ug/l	99
25) 2-Butanone	6.972	43	4710	4.399	ug/l #	76
26) 2,2-Dichloropropane	6.960	77	5626	1.566	ug/l #	52
31) Cyclohexane	7.783	56	4323	1.176	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	15579	4.664	ug/l #	49
37) Ethyl Acetate	6.972	43	4710	1.749	ug/l #	1
38) Carbon Tetrachloride	7.789	117	19368	5.244	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	68966	41.185	ug/l #	100
77) Bromobenzene	12.404	156	4261	1.848	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	68966	85.479	ug/l #	13
95) Naphthalene	15.239	128	1209	3.396	ug/l #	87

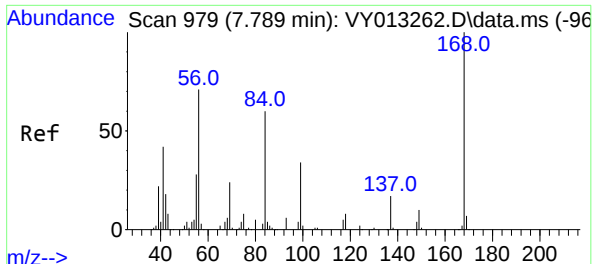
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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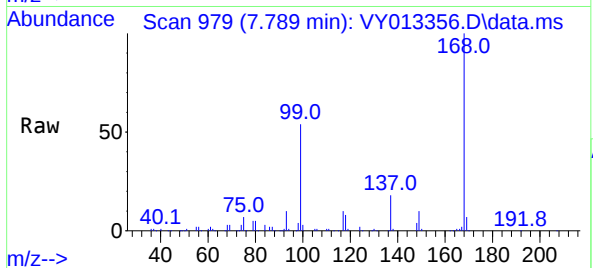
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
Response via : Initial Calibration



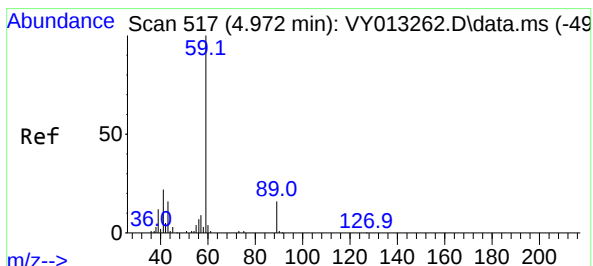
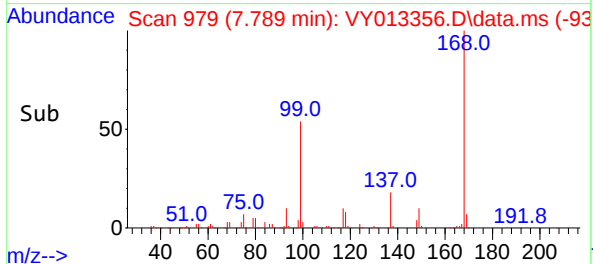
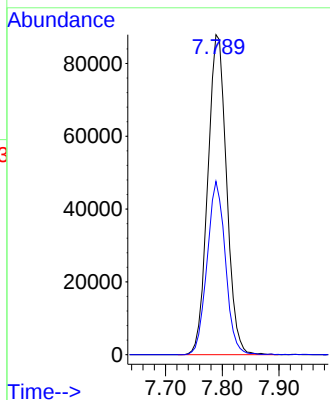


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013356.D
Acq: 19 Apr 2023 19:26

Instrument :
MSVOA_Y
ClientSampleId :

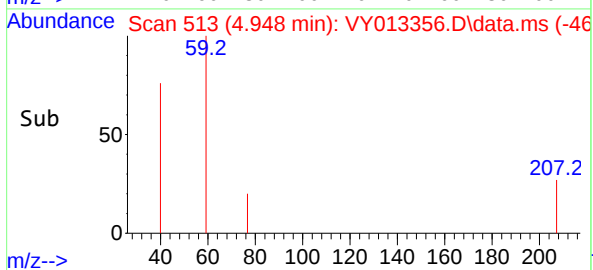
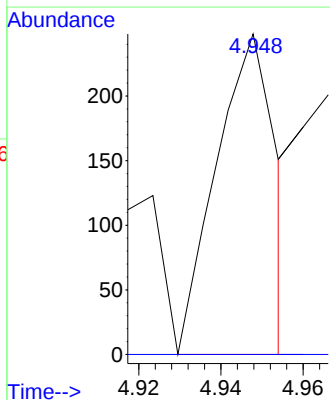
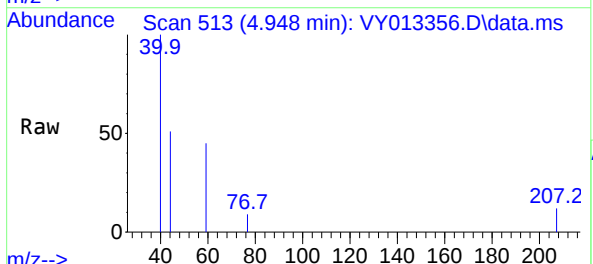


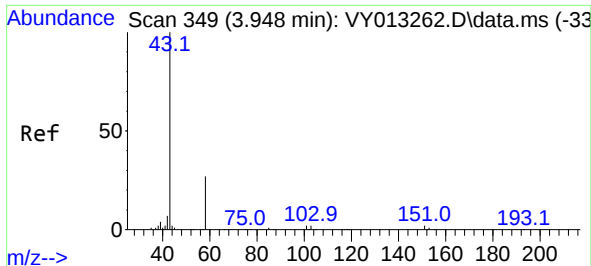
Tgt Ion:168 Resp: 202363
Ion Ratio Lower Upper
168 100
99 54.1 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY013356.D
Acq: 19 Apr 2023 19:26

Tgt Ion: 59 Resp: 252
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

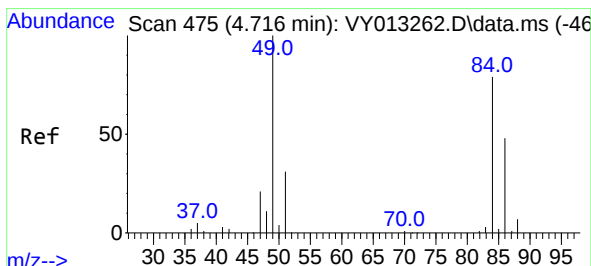
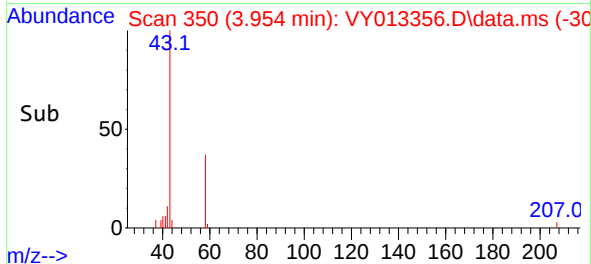
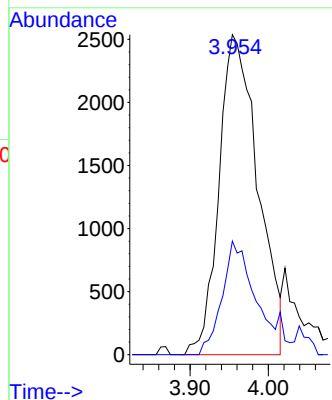
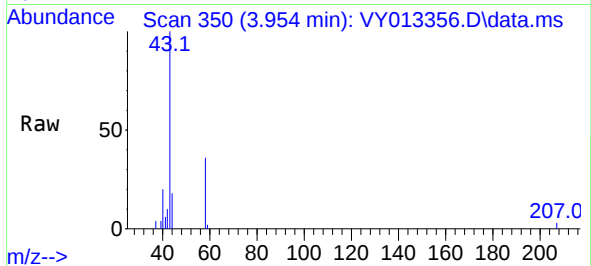




#16
Acetone
Concen: 10.476 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013356.D
Acq: 19 Apr 2023 19:26

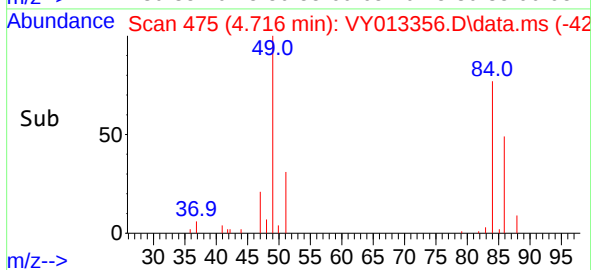
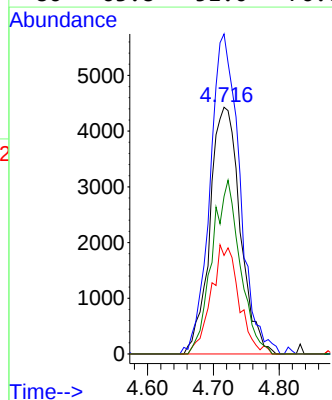
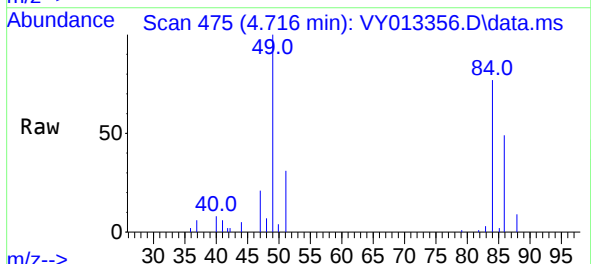
Instrument :
MSVOA_Y
ClientSampleId :

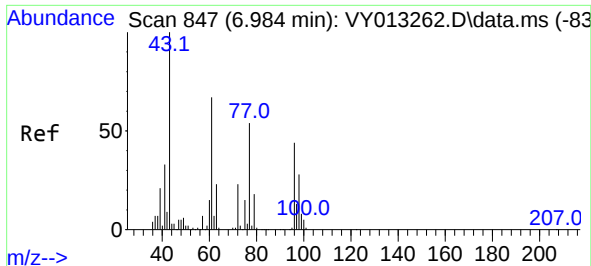
Tgt Ion: 43 Resp: 8760
Ion Ratio Lower Upper
43 100
58 35.5 24.2 36.2



#20
Methylene Chloride
Concen: 2.351 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013356.D
Acq: 19 Apr 2023 19:26

Tgt Ion: 84 Resp: 14185
Ion Ratio Lower Upper
84 100
49 129.7 102.6 154.0
51 40.0 31.9 47.9
86 63.8 51.0 76.6





#25

2-Butanone

Concen: 4.399 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

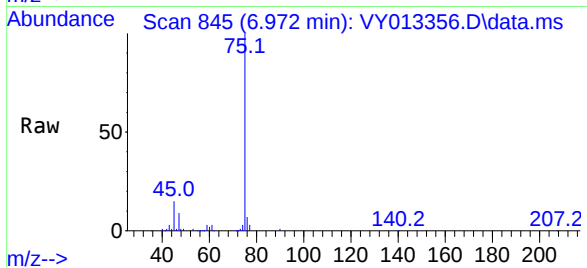
Lab File: VY013356.D

Acq: 19 Apr 2023 19:26

Instrument :

MSVOA_Y

ClientSampleId :

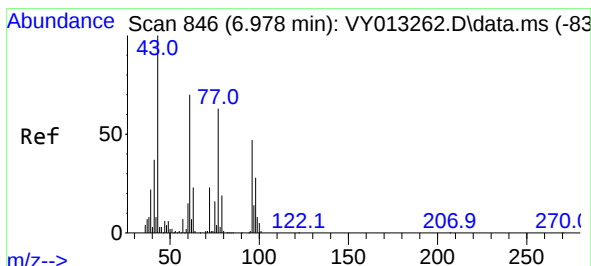
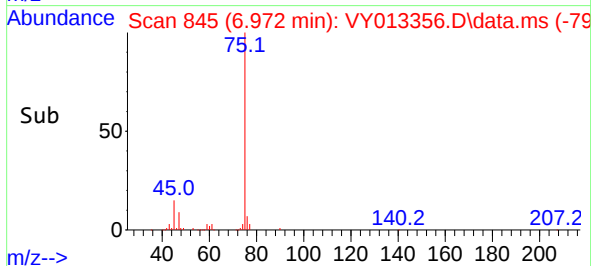
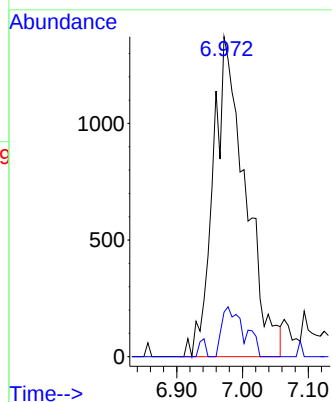


Tgt Ion: 43 Resp: 4710

Ion Ratio Lower Upper

43 100

72 13.9 21.0 31.4#



#26

2,2-Dichloropropane

Concen: 1.566 ug/l

RT: 6.960 min Scan# 843

Delta R.T. -0.019 min

Lab File: VY013356.D

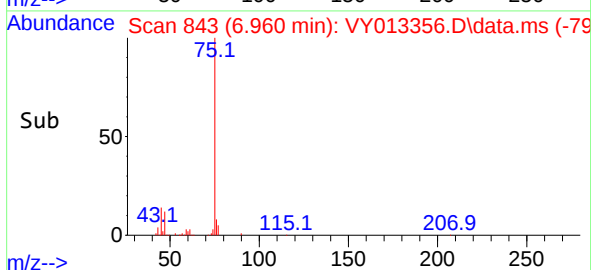
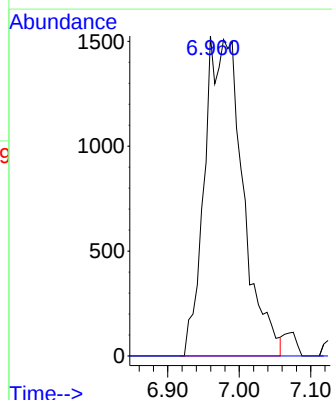
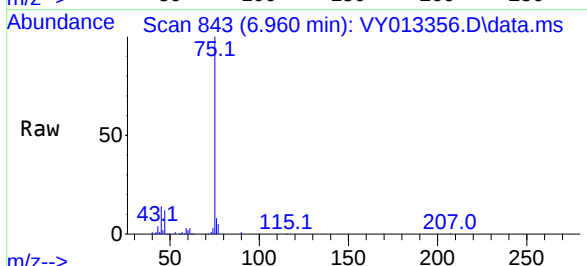
Acq: 19 Apr 2023 19:26

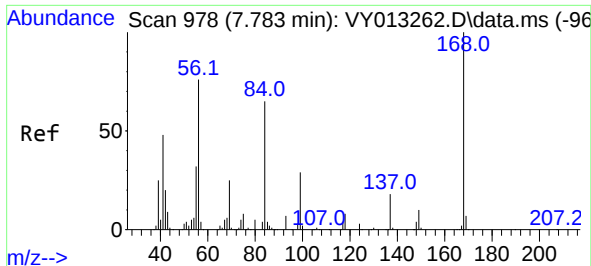
Tgt Ion: 77 Resp: 5626

Ion Ratio Lower Upper

77 100

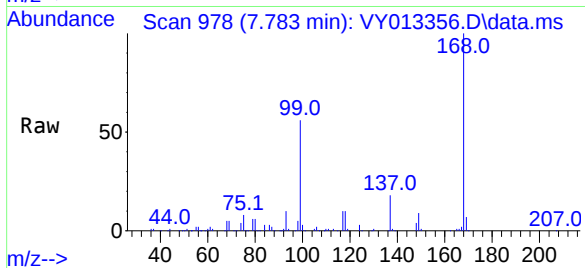
97 0.0 11.7 35.0#



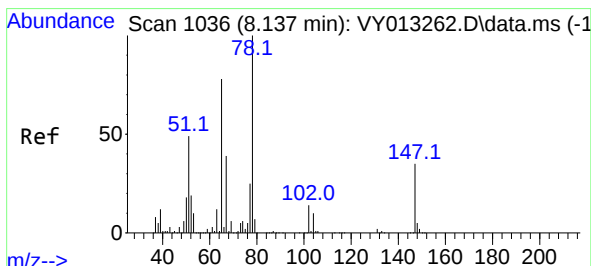
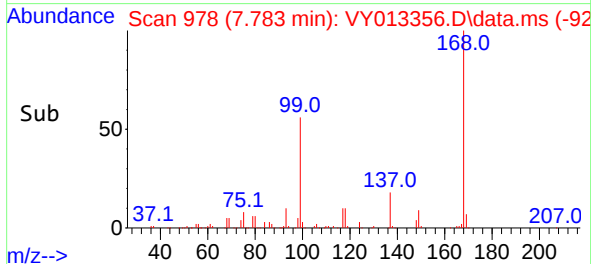
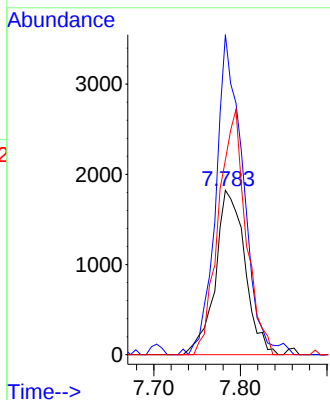


#31
Cyclohexane
Concen: 1.176 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013356.D
Acq: 19 Apr 2023 19:26

Instrument :
MSVOA_Y
ClientSampleId :

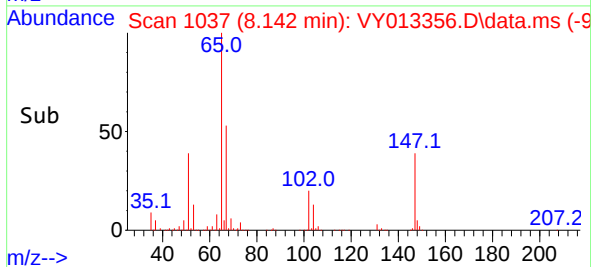
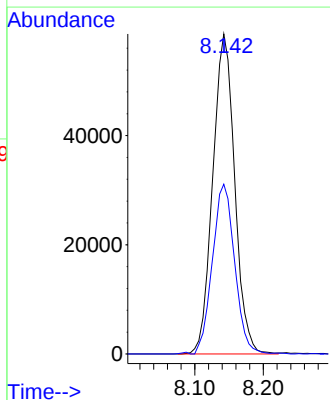
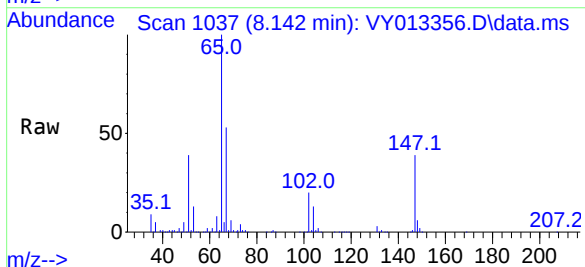


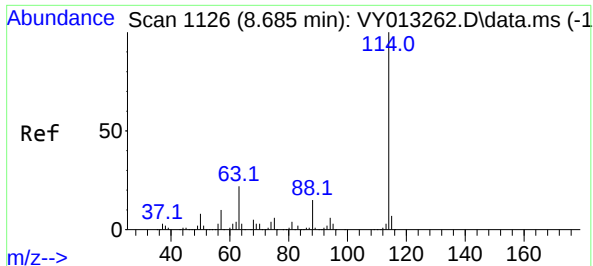
Tgt Ion: 56 Resp: 4323
Ion Ratio Lower Upper
56 100
69 194.8 25.7 38.5#
84 118.6 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 53.526 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013356.D
Acq: 19 Apr 2023 19:26

Tgt Ion: 65 Resp: 130172
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# 1127

Delta R.T. 0.006 min

Lab File: VY013356.D

Acq: 19 Apr 2023 19:26

Instrument :

MSVOA_Y

ClientSampleId :

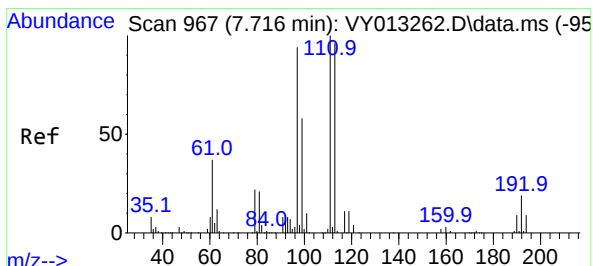
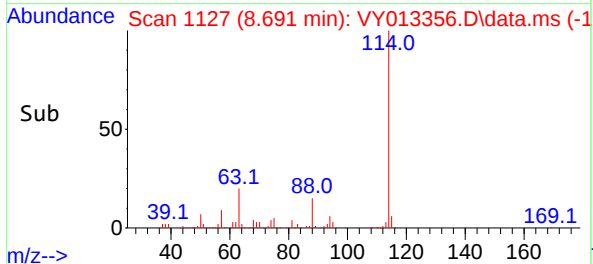
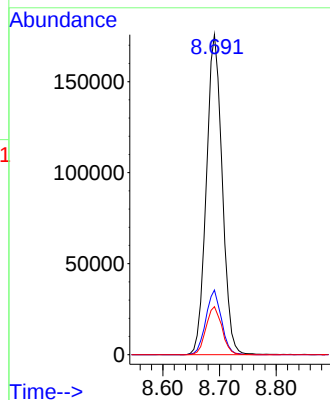
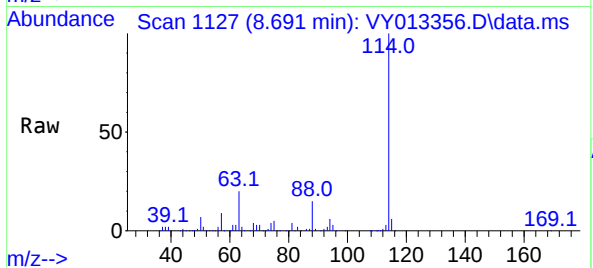
Tgt Ion:114 Resp: 340579

Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 15.0 0.0 28.6



#35

Dibromofluoromethane

Concen: 52.313 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013356.D

Acq: 19 Apr 2023 19:26

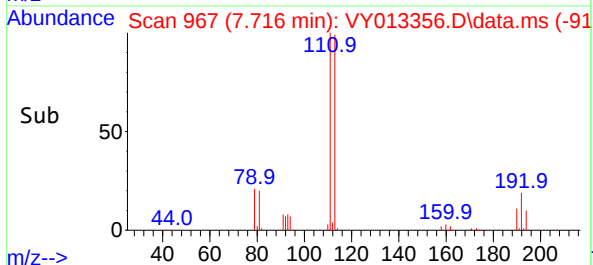
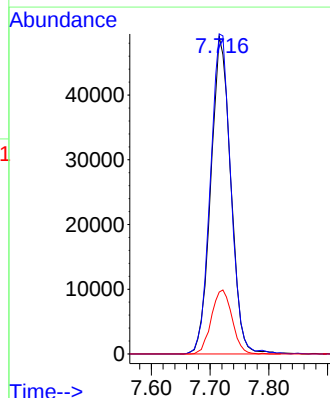
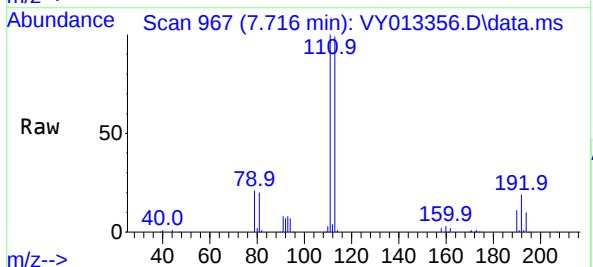
Tgt Ion:113 Resp: 115344

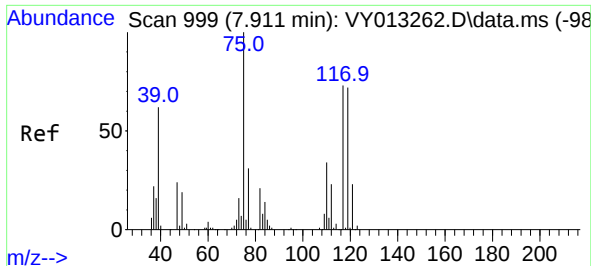
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

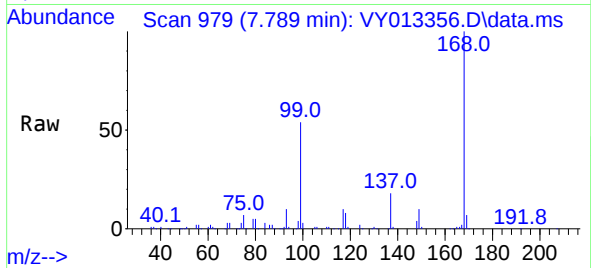
192 20.9 16.8 25.2



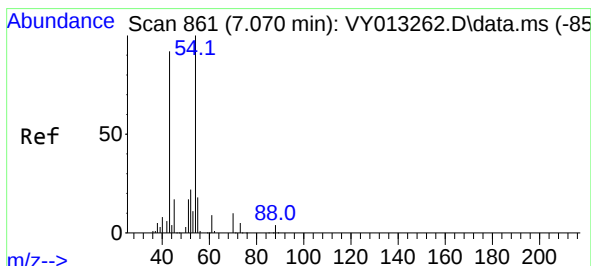
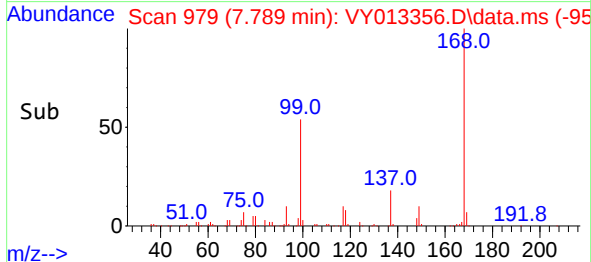
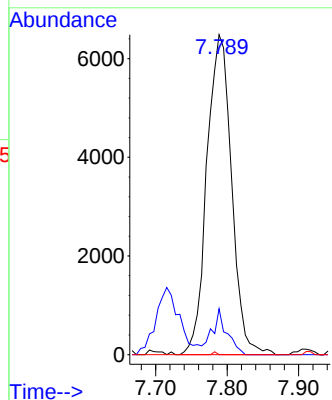


#36
1,1-Dichloropropene
Concen: 4.664 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY013356.D
Acq: 19 Apr 2023 19:26

Instrument :
MSVOA_Y
ClientSampleId :

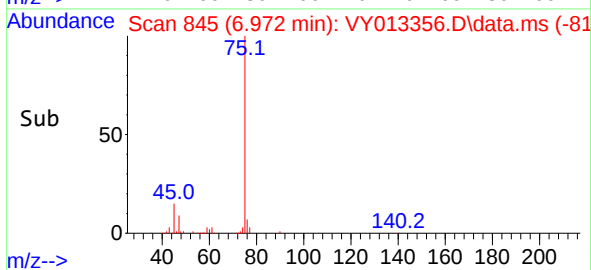
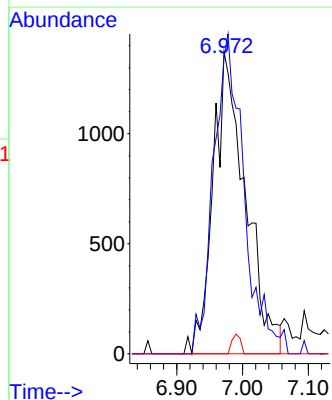
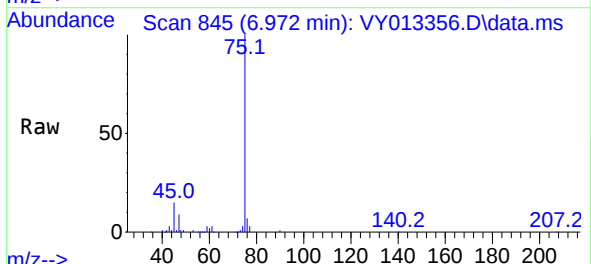


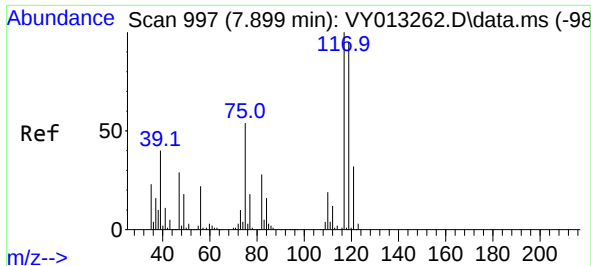
Tgt Ion: 75 Resp: 15579
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.3#
77 0.1 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.749 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.098 min
Lab File: VY013356.D
Acq: 19 Apr 2023 19:26

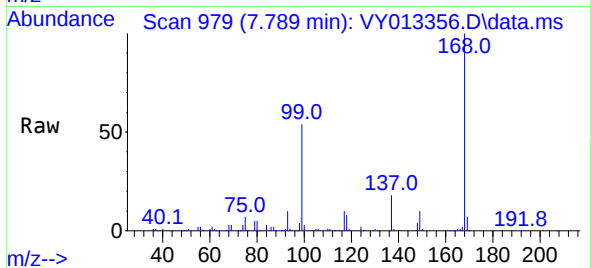
Tgt Ion: 43 Resp: 4710
Ion Ratio Lower Upper
43 100
61 99.6 10.7 16.1#
70 1.7 7.8 11.8#



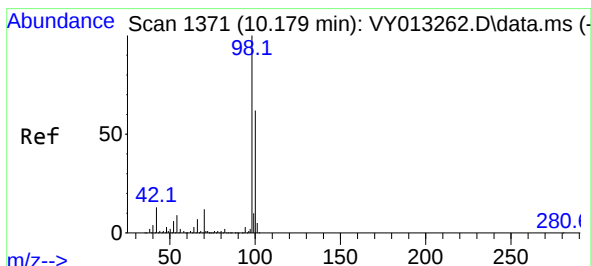
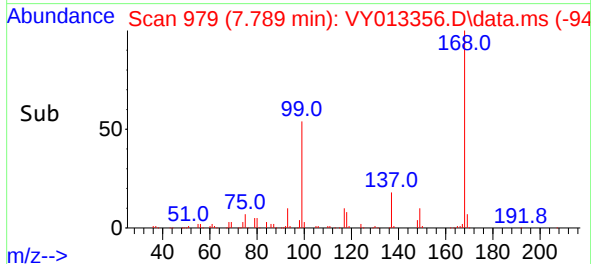
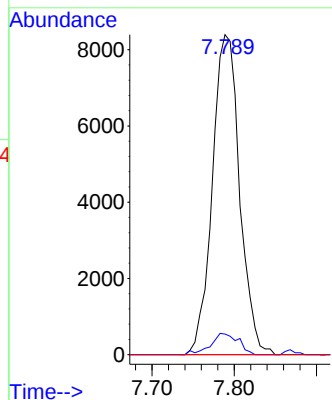


#38
Carbon Tetrachloride
Concen: 5.244 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013356.D
Acq: 19 Apr 2023 19:26

Instrument :
MSVOA_Y
ClientSampleId :

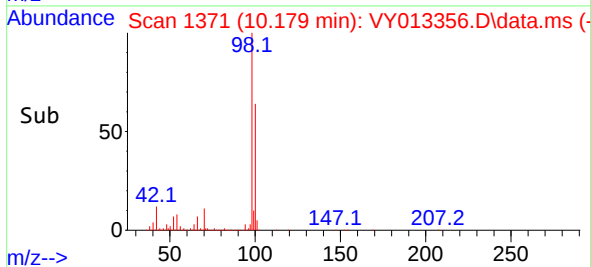
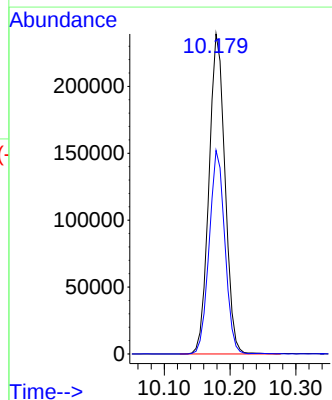
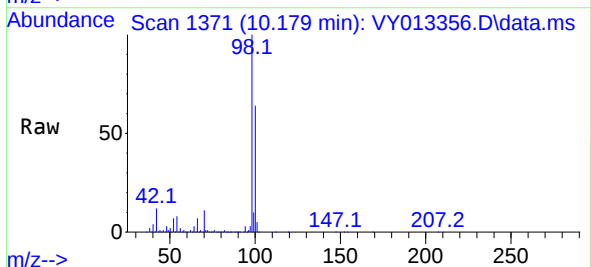


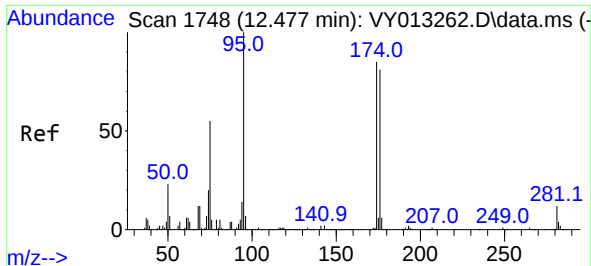
Tgt Ion:117 Resp: 19368
Ion Ratio Lower Upper
117 100
119 6.5 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.450 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013356.D
Acq: 19 Apr 2023 19:26

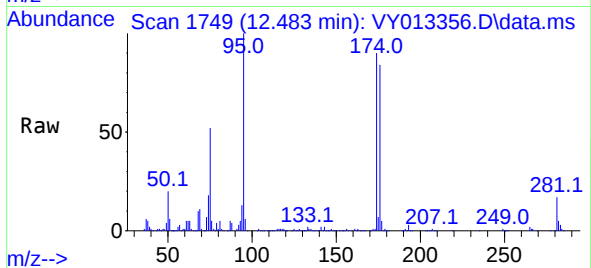
Tgt Ion: 98 Resp: 405834
Ion Ratio Lower Upper
98 100
100 62.1 50.9 76.3



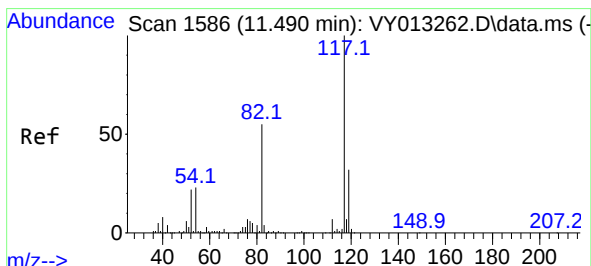
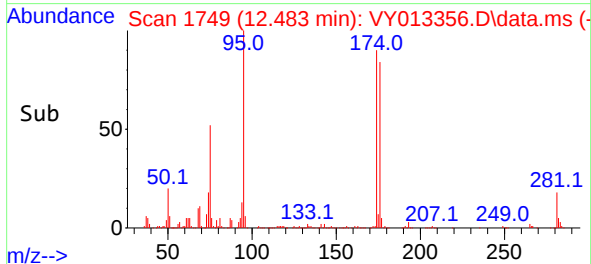
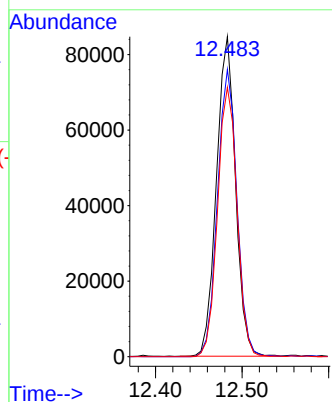


#62
4-Bromofluorobenzene
Concen: 48.646 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013356.D
Acq: 19 Apr 2023 19:26

Instrument :
MSVOA_Y
ClientSampleId :

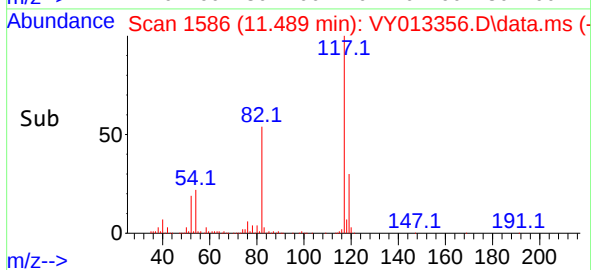
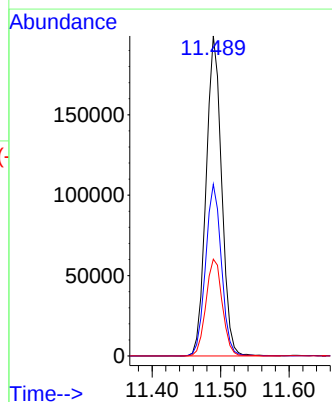
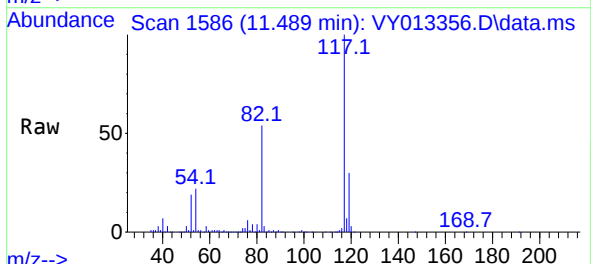


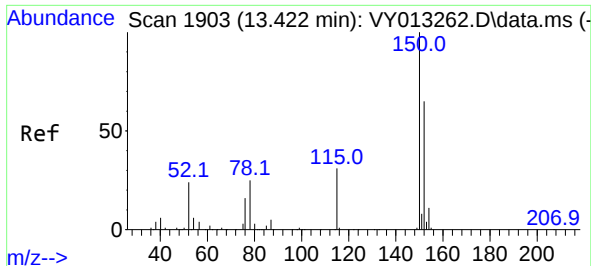
Tgt Ion: 95 Resp: 129716
Ion Ratio Lower Upper
95 100
174 91.5 0.0 176.6
176 86.0 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013356.D
Acq: 19 Apr 2023 19:26

Tgt Ion: 117 Resp: 314564
Ion Ratio Lower Upper
117 100
82 53.7 45.4 68.0
119 30.3 25.6 38.4

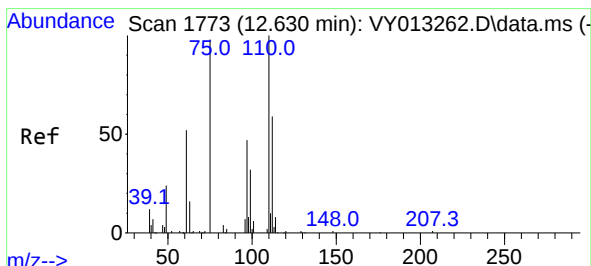
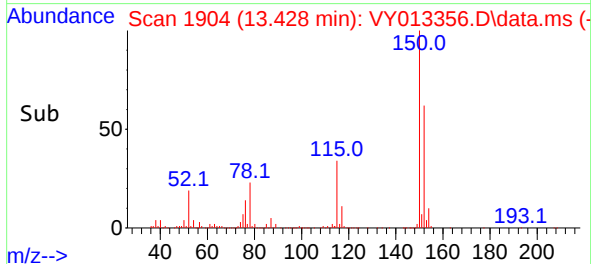
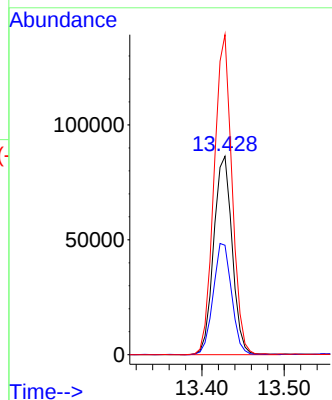
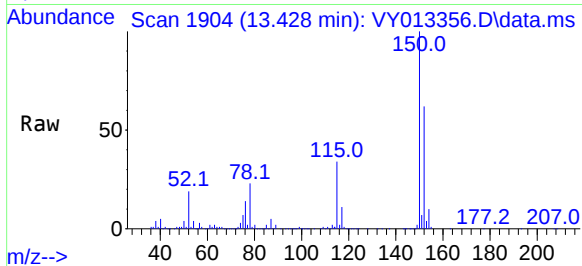




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY013356.D
Acq: 19 Apr 2023 19:26

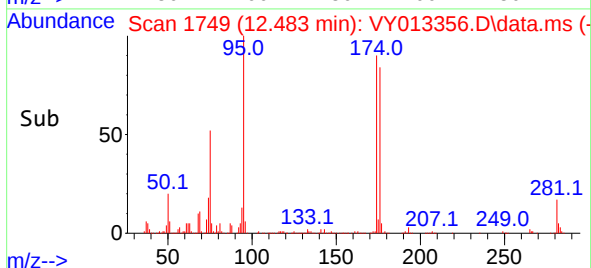
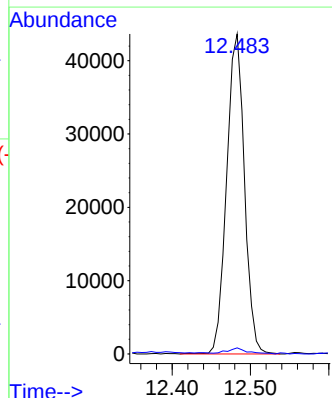
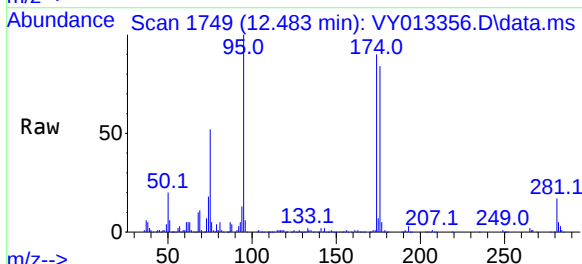
Instrument :
MSVOA_Y
ClientSampleId :

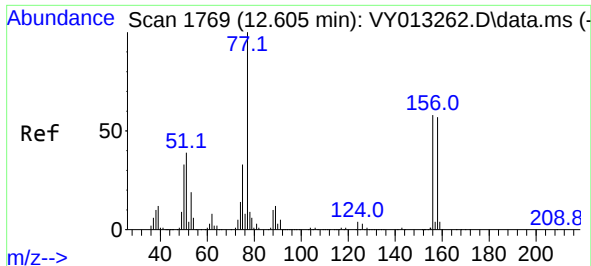
Tgt Ion:152 Resp: 134386
Ion Ratio Lower Upper
152 100
115 56.2 27.1 81.3
150 156.8 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 41.185 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY013356.D
Acq: 19 Apr 2023 19:26

Tgt Ion: 75 Resp: 68966
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#

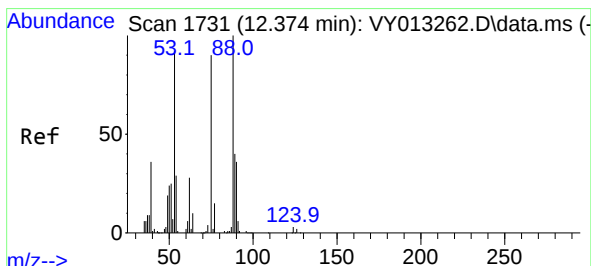
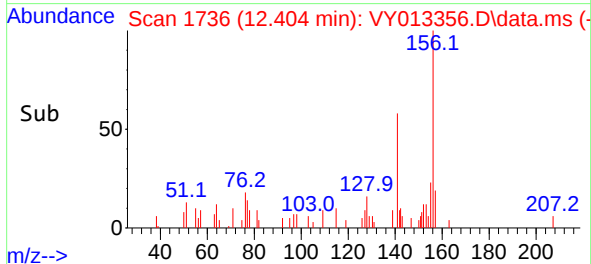
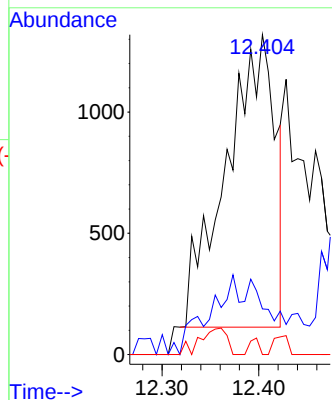
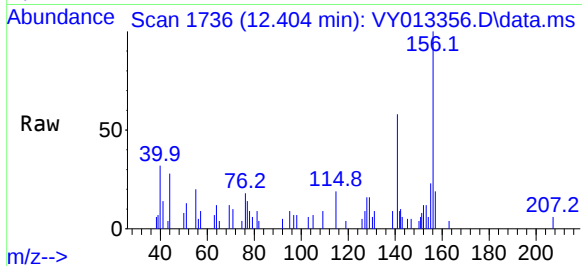




#77
Bromobenzene
Concen: 1.848 ug/l
RT: 12.404 min Scan# 1749
Delta R.T. -0.201 min
Lab File: VY013356.D
Acq: 19 Apr 2023 19:26

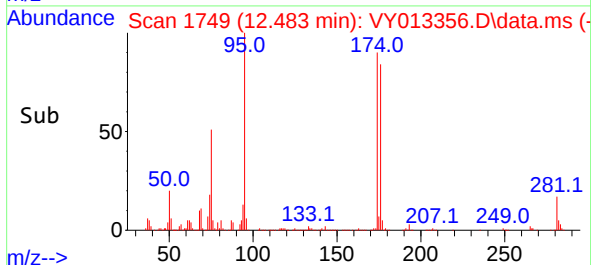
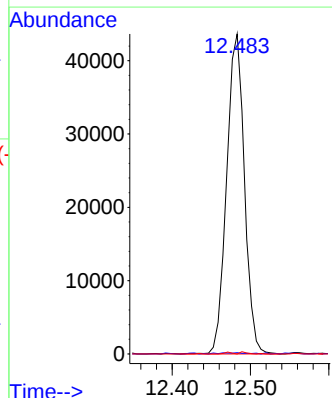
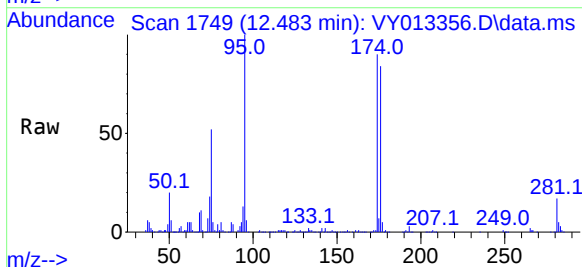
Instrument :
MSVOA_Y
ClientSampleId :

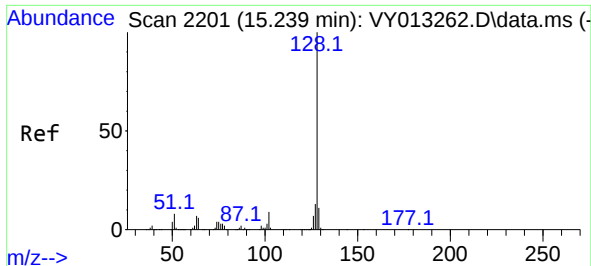
Tgt Ion:156 Resp: 4261
Ion Ratio Lower Upper
156 100
77 0.0 94.0 282.1#
158 1.1 48.1 144.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.479 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY013356.D
Acq: 19 Apr 2023 19:26

Tgt Ion: 75 Resp: 68966
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.3 36.6 55.0#





#95

Naphthalene

Concen: 3.396 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

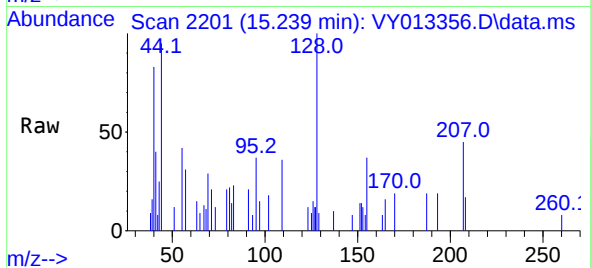
Lab File: VY013356.D

Acq: 19 Apr 2023 19:26

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	128	Resp:	1209
Ion	Ratio	Lower	Upper
128	100		
127	17.2	10.3	15.5#
129	4.9	8.6	13.0#

