

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080323\
 Data File : VY014953.D
 Acq On : 03 Aug 2023 17:02
 Operator : SY/MD
 Sample : 03864-01
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

Quant Time: Aug 04 04:32:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

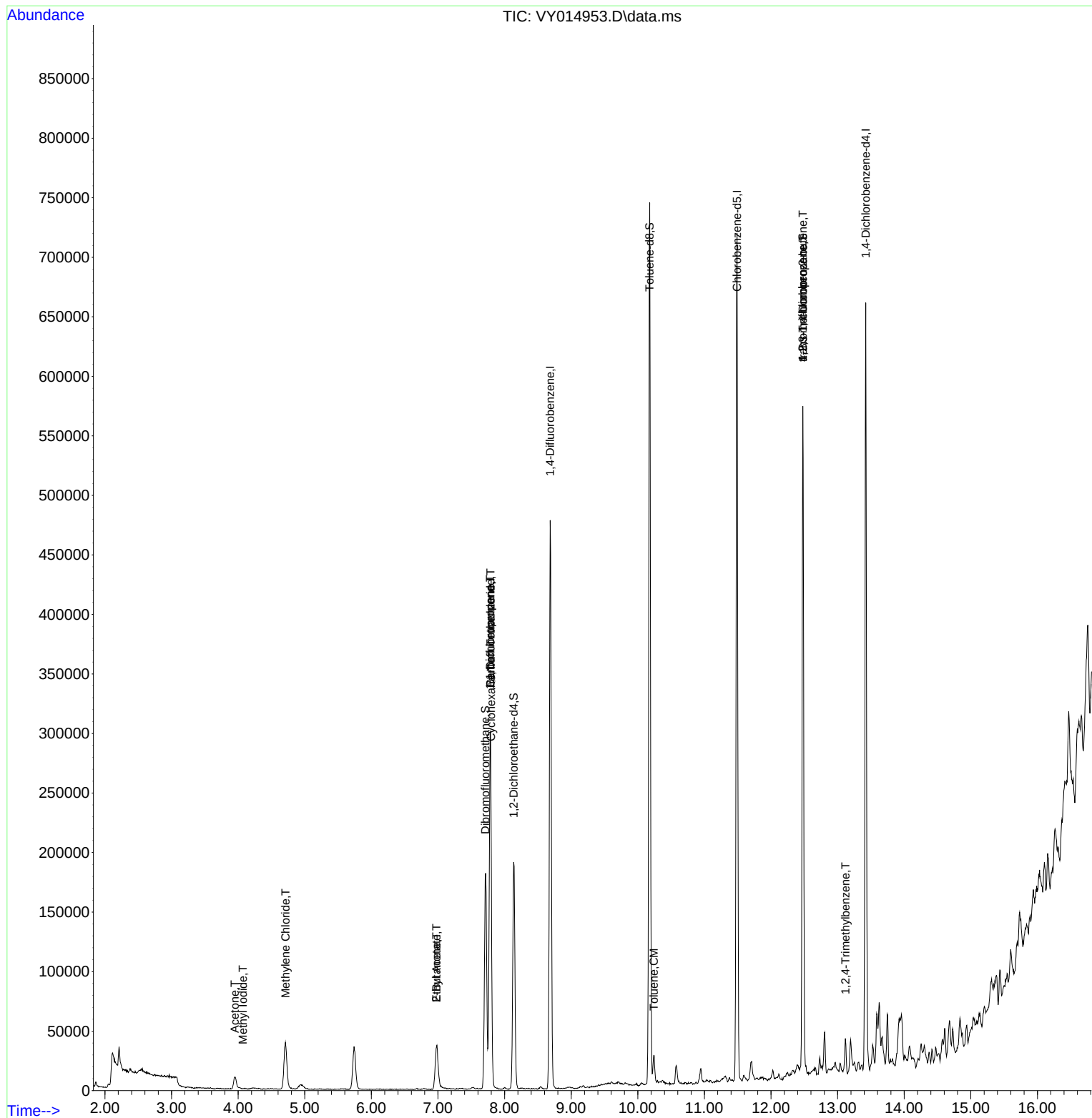
Internal Standards						
1) Pentafluorobenzene	7.789	168	237116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	407148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	387805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	158569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	153095	56.659	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.320%	
35) Dibromofluoromethane	7.710	113	127473	49.183	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.360%	
50) Toluene-d8	10.179	98	483114	50.559	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.120%	
62) 4-Bromofluorobenzene	12.477	95	171681	46.857	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.720%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.070	142	151	2.424	ug/l #	38
11) Tert butyl alcohol	4.954	59	4518	Below Cal	#	86
16) Acetone	3.948	43	19238	22.468	ug/l	92
20) Methylene Chloride	4.710	84	30191	7.243	ug/l #	85
25) 2-Butanone	6.978	43	3881	3.098	ug/l #	76
31) Cyclohexane	7.795	56	5693	1.269	ug/l #	25
36) 1,1-Dichloropropene	7.783	75	18192	4.694	ug/l #	51
37) Ethyl Acetate	6.978	43	3881	1.454	ug/l #	44
38) Carbon Tetrachloride	7.789	117	23181	5.658	ug/l #	15
52) Toluene	10.240	92	9352	1.326	ug/l	98
76) 1,2,3-Trichloropropane	12.477	75	91597	45.737	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	91597	88.555	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	15064	1.480	ug/l	98

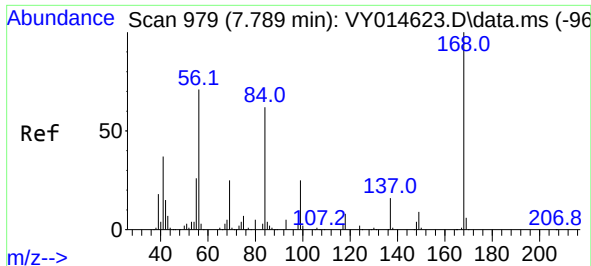
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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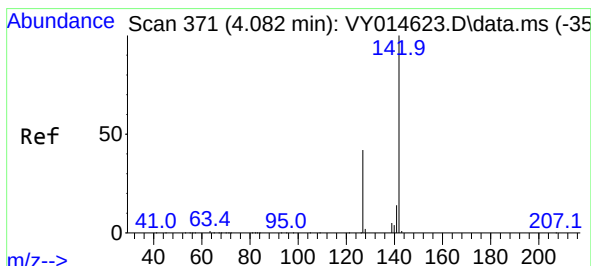
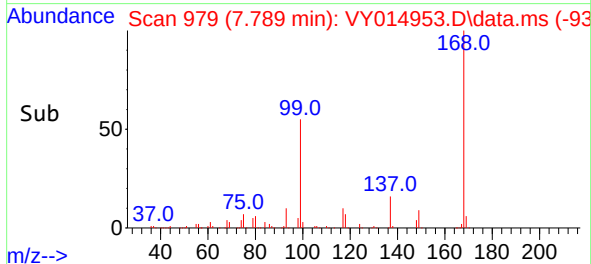
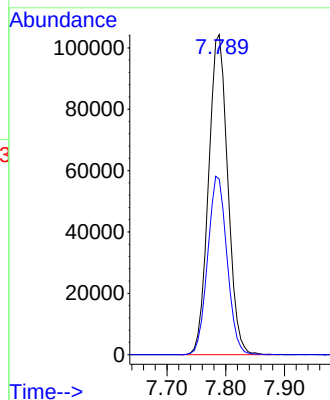
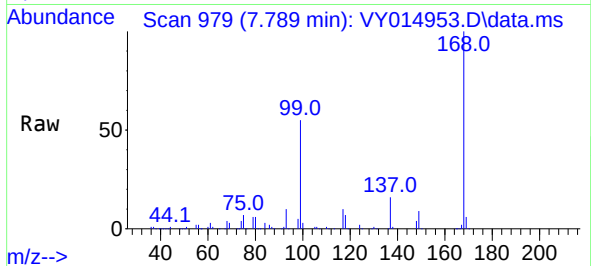




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014953.D
Acq: 03 Aug 2023 17:02

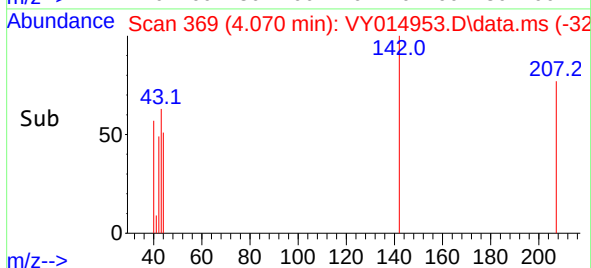
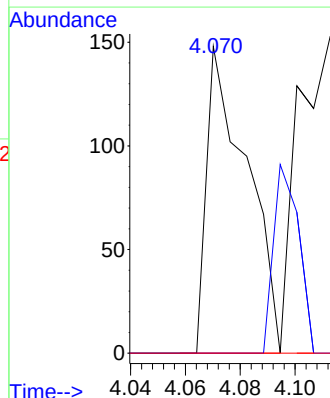
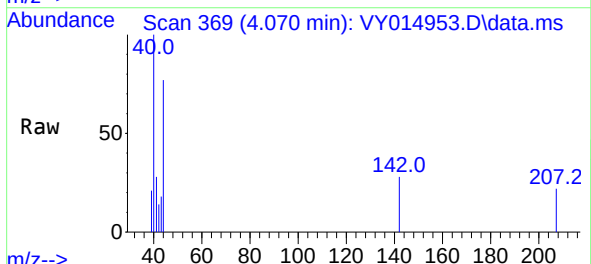
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

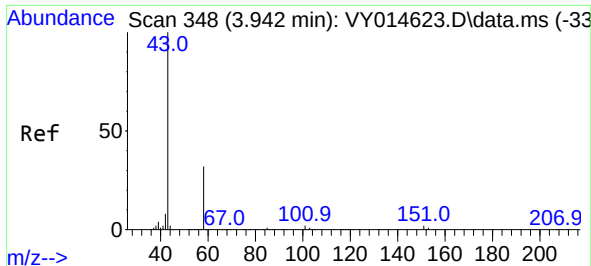
Tgt Ion:168 Resp: 237116
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#10
Methyl Iodide
Concen: 2.424 ug/l
RT: 4.070 min Scan# 369
Delta R.T. -0.012 min
Lab File: VY014953.D
Acq: 03 Aug 2023 17:02

Tgt Ion:142 Resp: 151
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

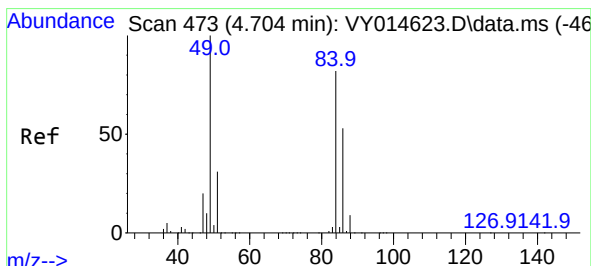
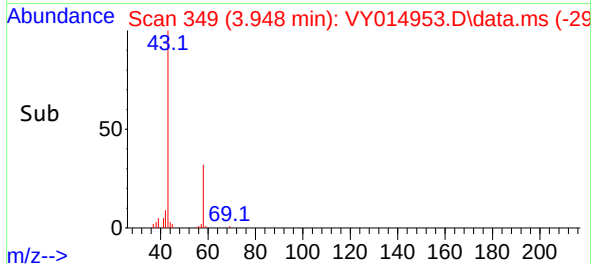
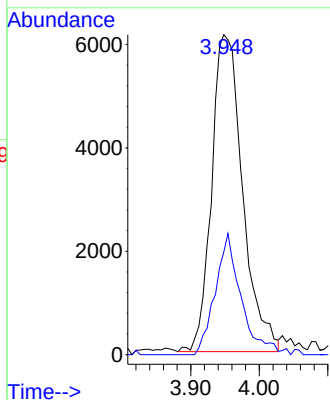
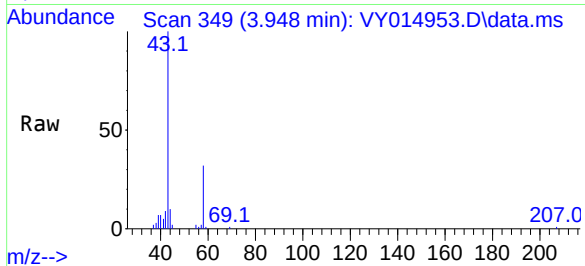




#16
Acetone
Concen: 22.468 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY014953.D
Acq: 03 Aug 2023 17:02

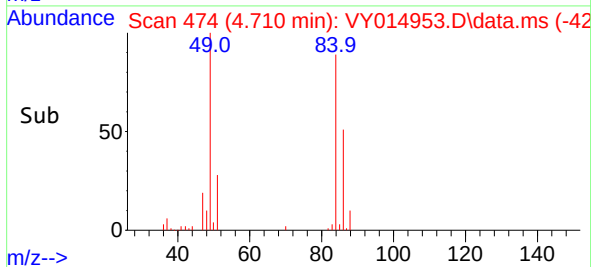
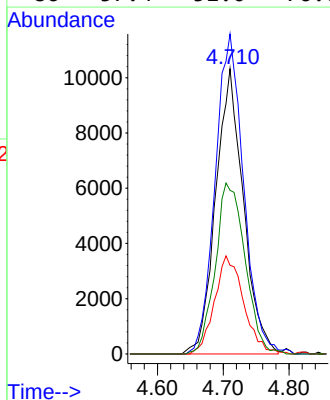
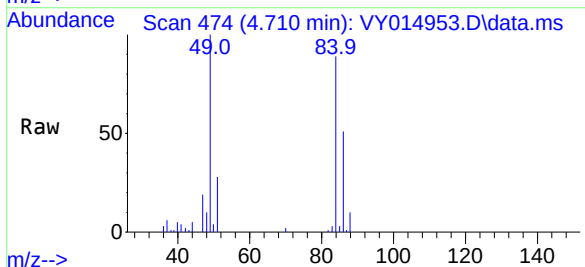
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

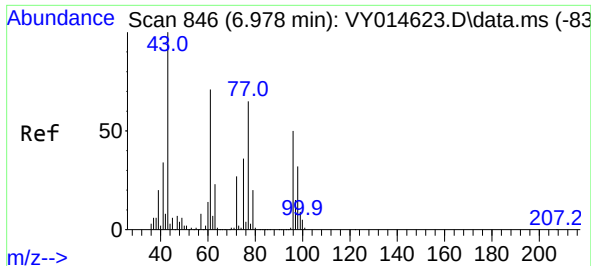
Tgt Ion: 43 Resp: 19238
Ion Ratio Lower Upper
43 100
58 32.4 22.7 34.1



#20
Methylene Chloride
Concen: 7.243 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014953.D
Acq: 03 Aug 2023 17:02

Tgt Ion: 84 Resp: 30191
Ion Ratio Lower Upper
84 100
49 112.2 106.9 160.3
51 31.0 33.2 49.8#
86 57.4 51.0 76.6

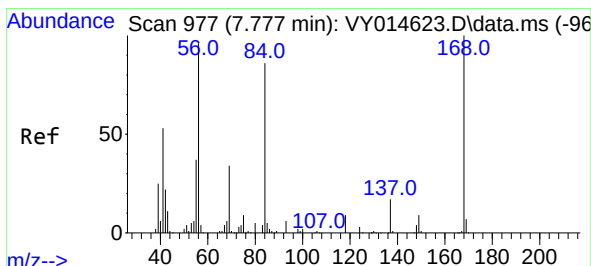
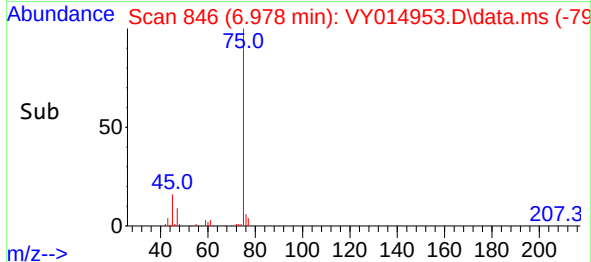
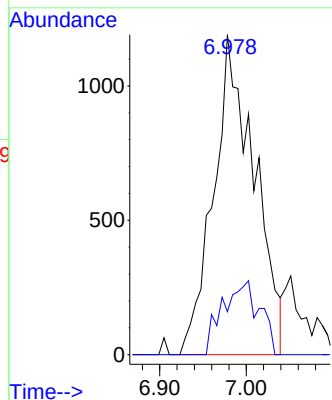
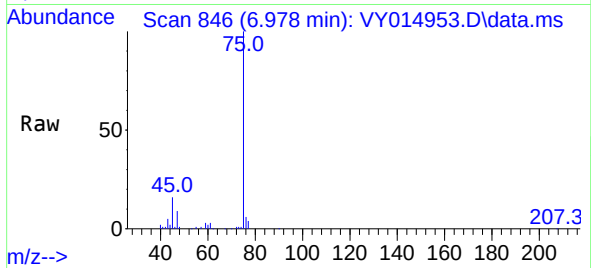




#25
2-Butanone
Concen: 3.098 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014953.D
Acq: 03 Aug 2023 17:02

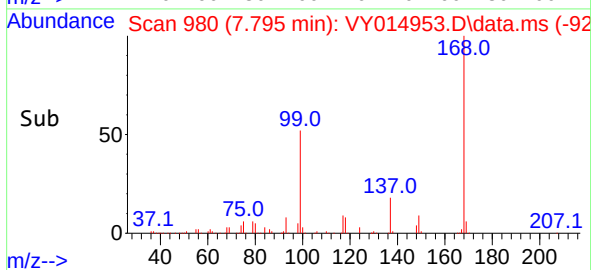
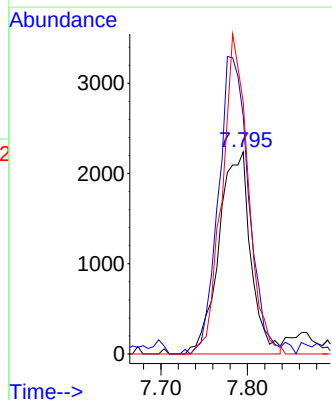
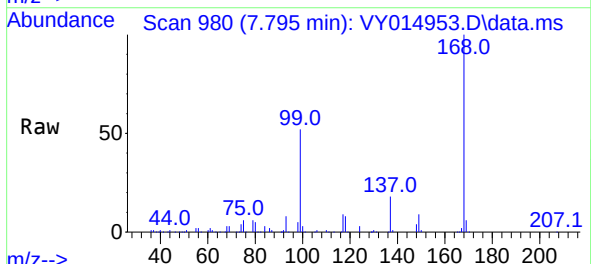
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

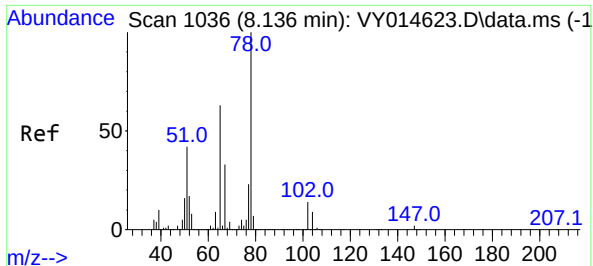
Tgt Ion: 43 Resp: 3881
Ion Ratio Lower Upper
43 100
72 13.4 20.5 30.7#



#31
Cyclohexane
Concen: 1.269 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.018 min
Lab File: VY014953.D
Acq: 03 Aug 2023 17:02

Tgt Ion: 56 Resp: 5693
Ion Ratio Lower Upper
56 100
69 117.7 27.8 41.6#
84 124.5 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 56.659 ug/l

RT: 8.137 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY014953.D

Acq: 03 Aug 2023 17:02

Instrument :

MSVOA_Y

ClientSampleId :

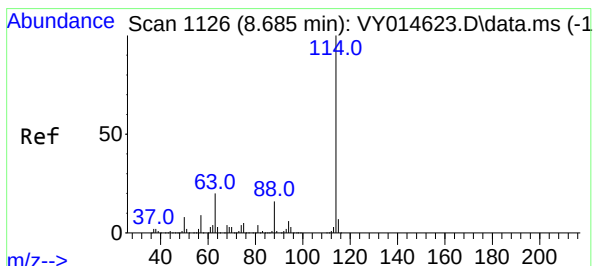
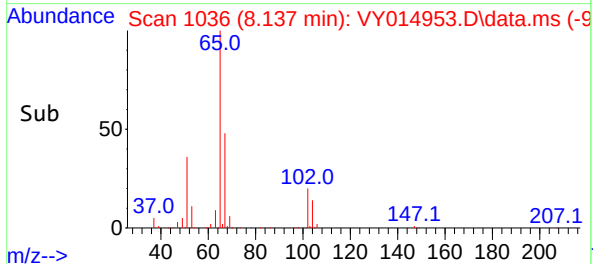
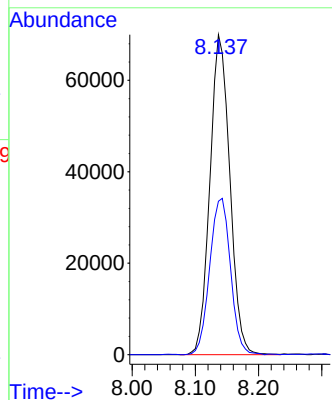
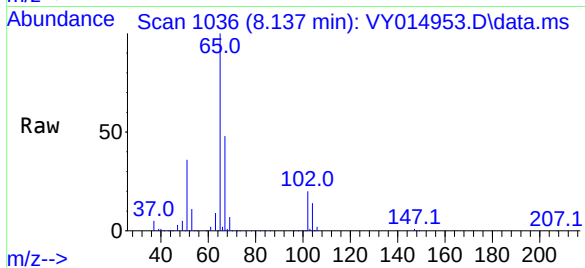
WC-1

Tgt Ion: 65 Resp: 153095

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014953.D

Acq: 03 Aug 2023 17:02

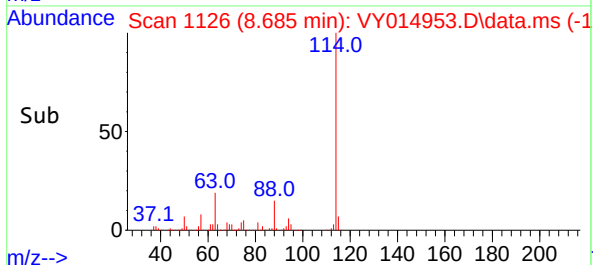
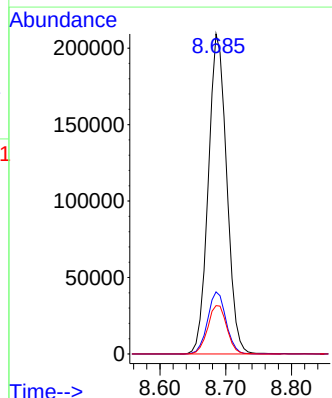
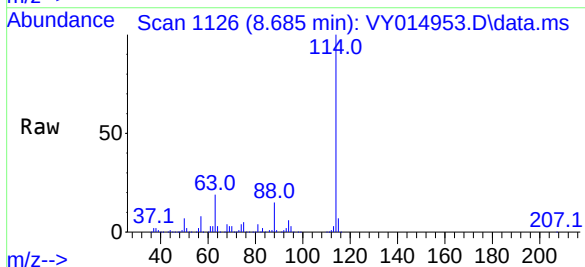
Tgt Ion:114 Resp: 407148

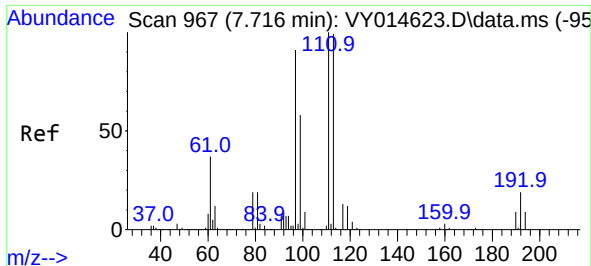
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.1 0.0 30.6

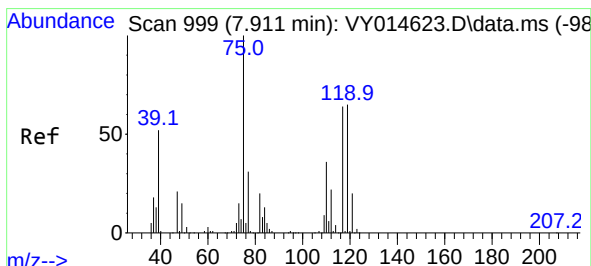
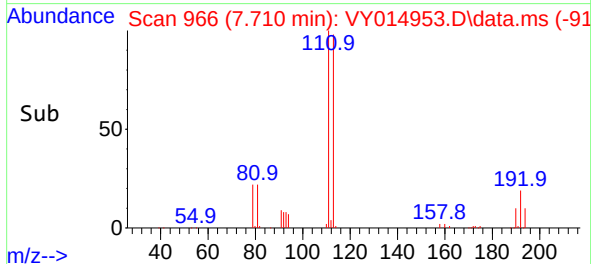
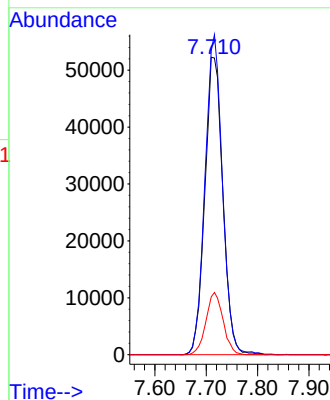
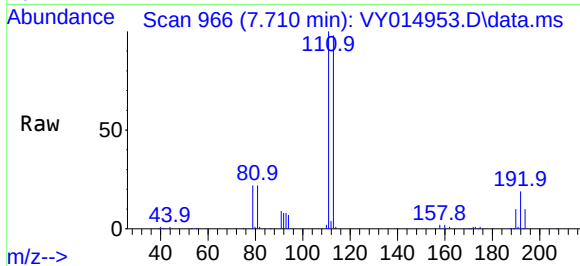




#35
Dibromofluoromethane
Concen: 49.183 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014953.D
Acq: 03 Aug 2023 17:02

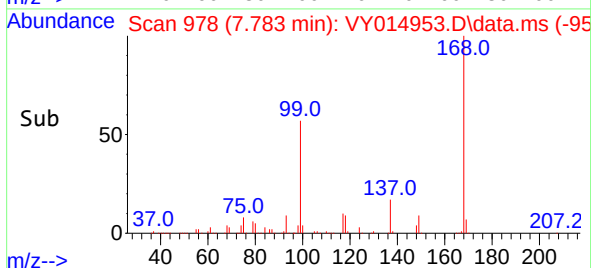
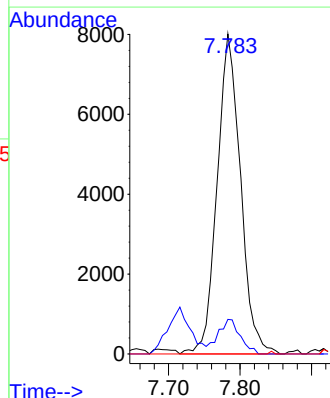
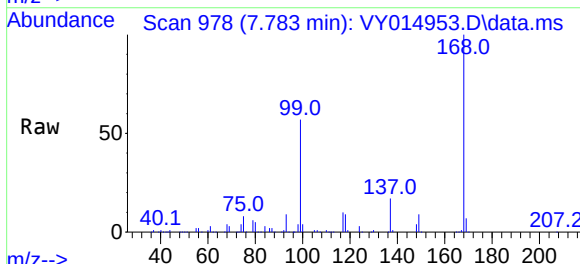
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

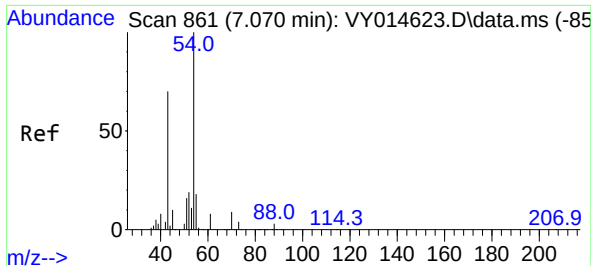
Tgt Ion:113 Resp: 127473
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.694 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014953.D
Acq: 03 Aug 2023 17:02

Tgt Ion: 75 Resp: 18192
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.454 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY014953.D

Acq: 03 Aug 2023 17:02

Instrument :

MSVOA_Y

ClientSampleId :

WC-1

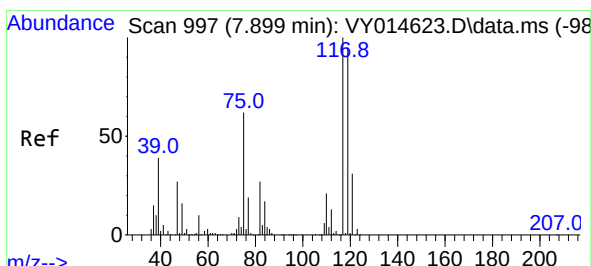
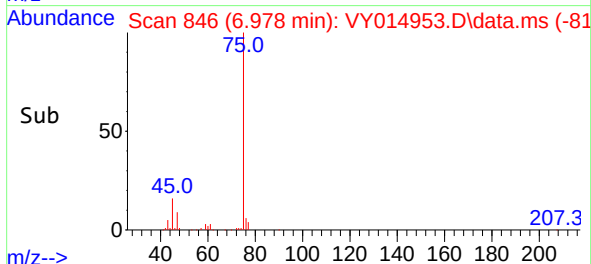
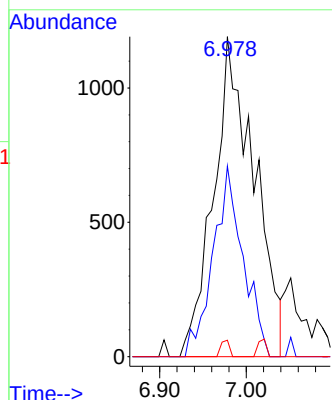
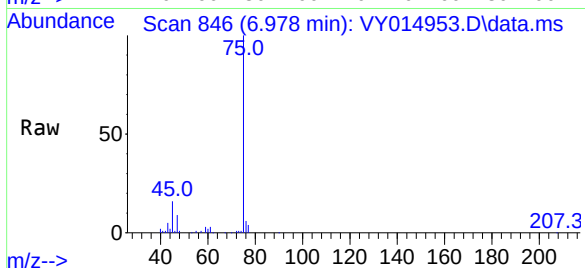
Tgt Ion: 43 Resp: 3881

Ion Ratio Lower Upper

43 100

61 43.9 10.1 15.1#

70 1.1 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.658 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY014953.D

Acq: 03 Aug 2023 17:02

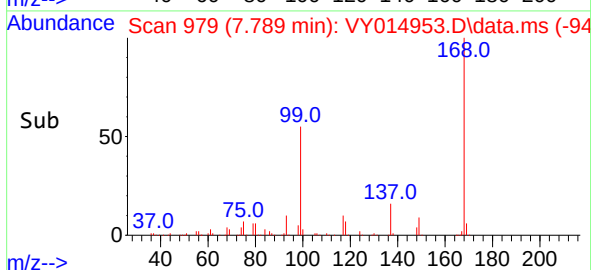
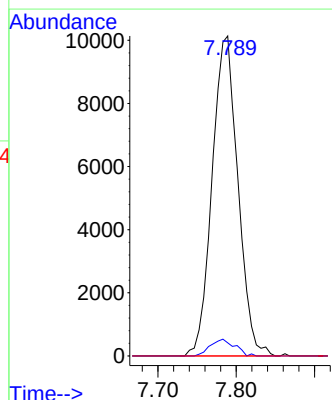
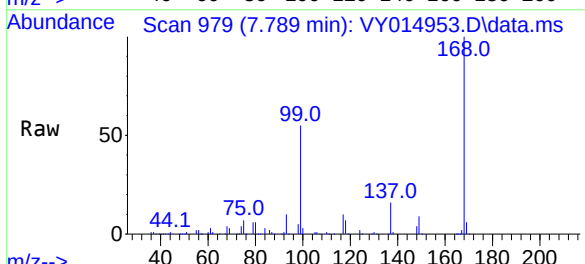
Tgt Ion: 117 Resp: 23181

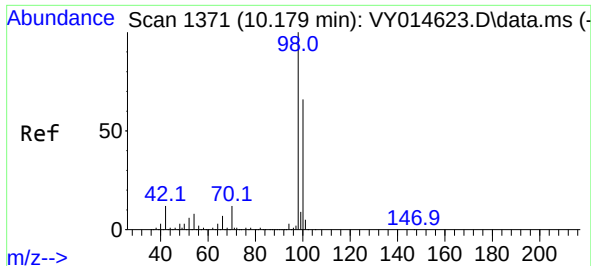
Ion Ratio Lower Upper

117 100

119 4.1 76.4 114.6#

121 0.0 25.8 38.6#

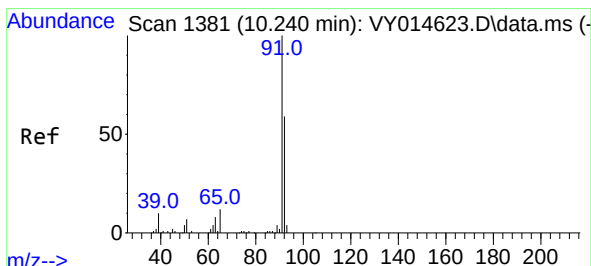
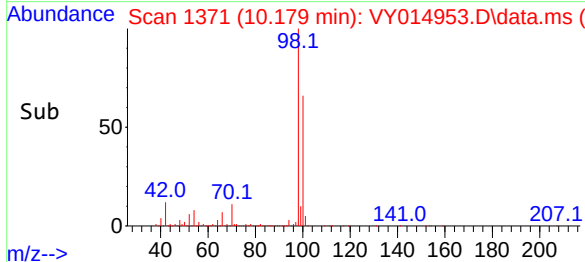
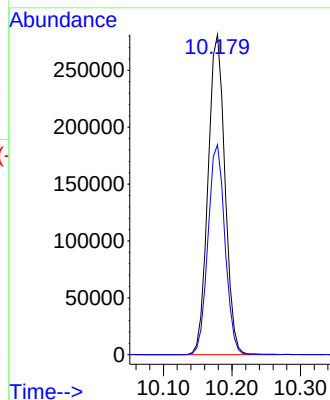
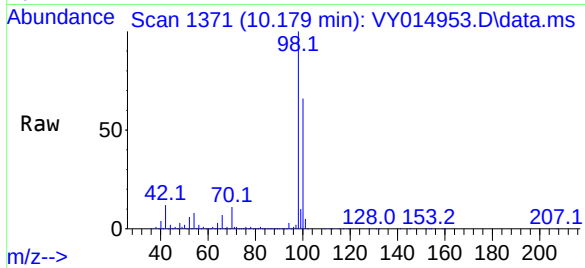




#50
Toluene-d8
Concen: 50.559 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014953.D
Acq: 03 Aug 2023 17:02

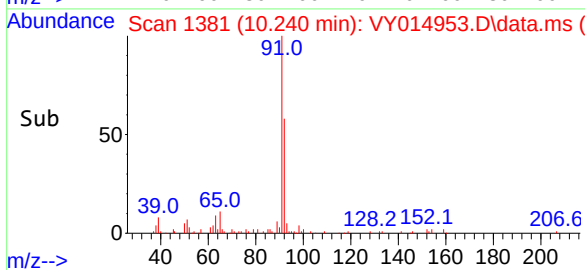
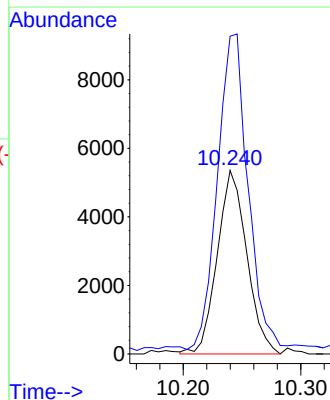
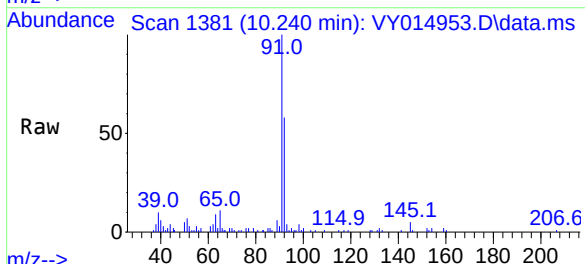
Instrument :
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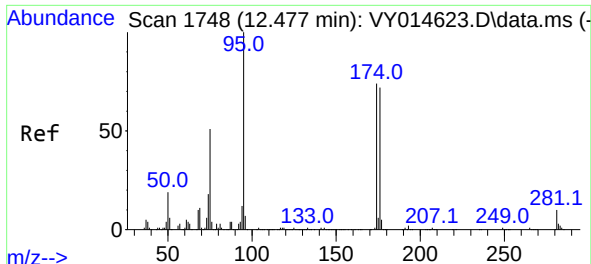
Tgt Ion: 98 Resp: 483114
Ion Ratio Lower Upper
98 100
100 66.0 50.1 75.1



#52
Toluene
Concen: 1.326 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY014953.D
Acq: 03 Aug 2023 17:02

Tgt Ion: 92 Resp: 9352
Ion Ratio Lower Upper
92 100
91 177.1 143.8 215.6

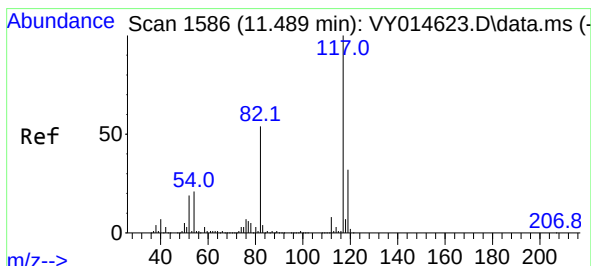
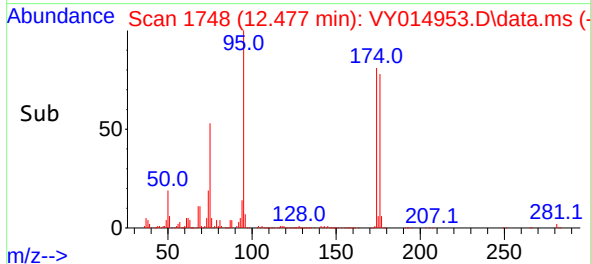
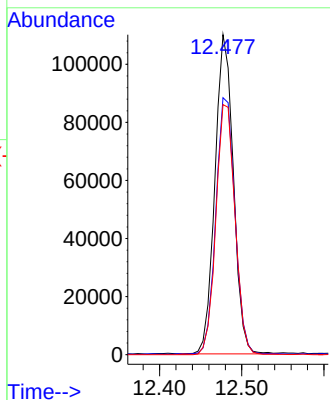
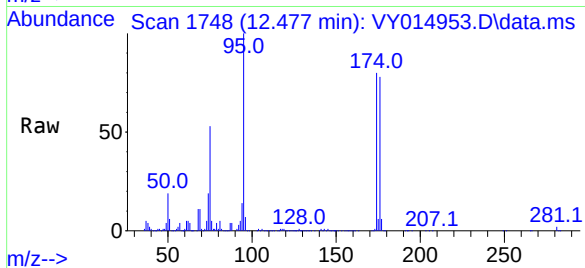




#62
4-Bromofluorobenzene
Concen: 46.857 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014953.D
Acq: 03 Aug 2023 17:02

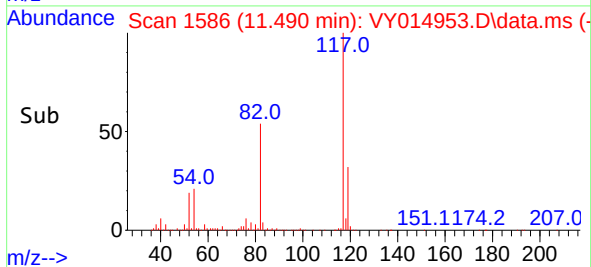
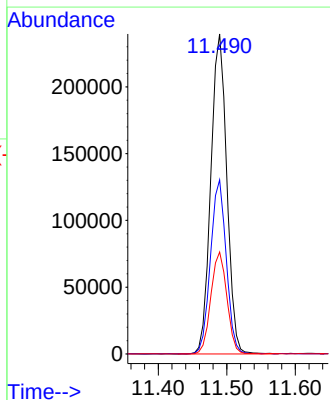
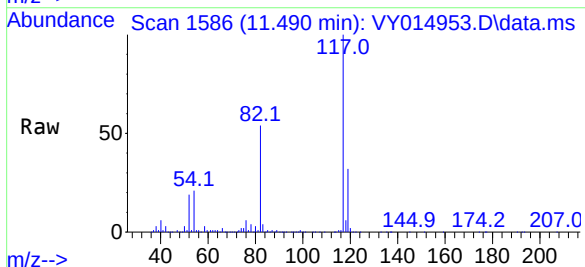
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

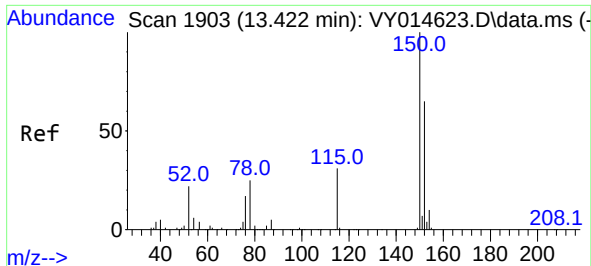
Tgt Ion: 95 Resp: 171681
Ion Ratio Lower Upper
95 100
174 83.0 0.0 178.2
176 81.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014953.D
Acq: 03 Aug 2023 17:02

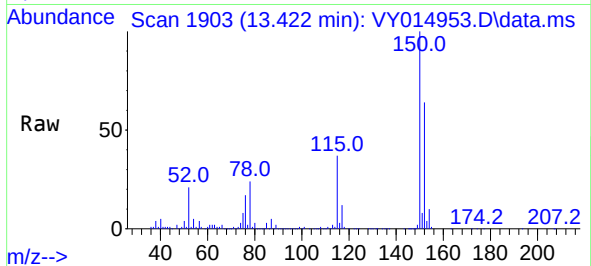
Tgt Ion: 117 Resp: 387805
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 31.8 26.3 39.5



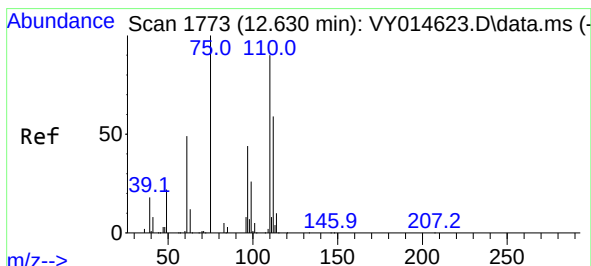
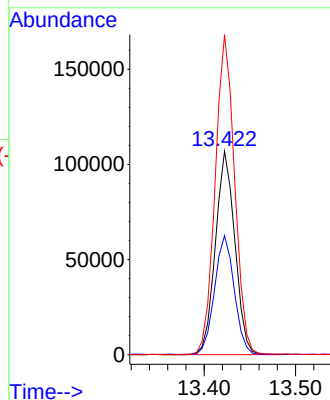
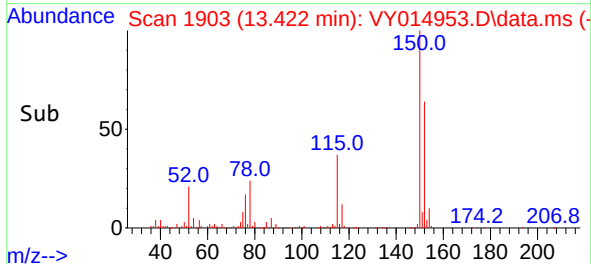


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014953.D
Acq: 03 Aug 2023 17:02

Instrument :
MSVOA_Y
ClientSampleId :
WC-1

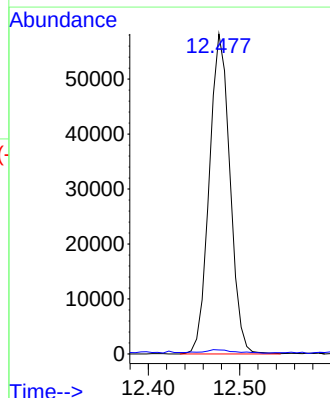
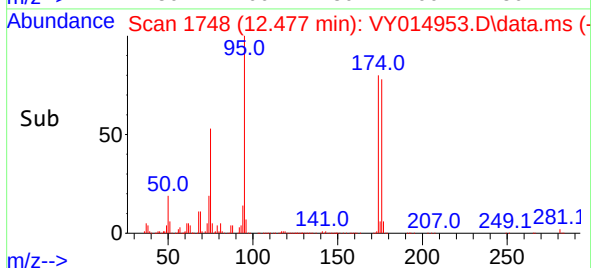
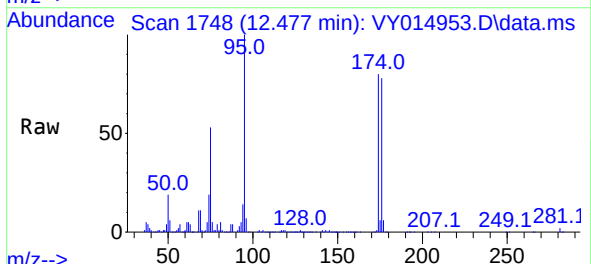


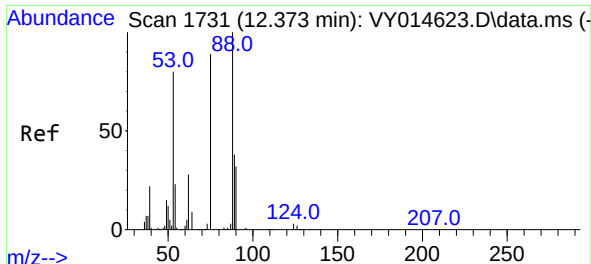
Tgt Ion:152 Resp: 158569
Ion Ratio Lower Upper
152 100
115 58.9 28.8 86.5
150 157.3 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 45.737 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014953.D
Acq: 03 Aug 2023 17:02

Tgt Ion: 75 Resp: 91597
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

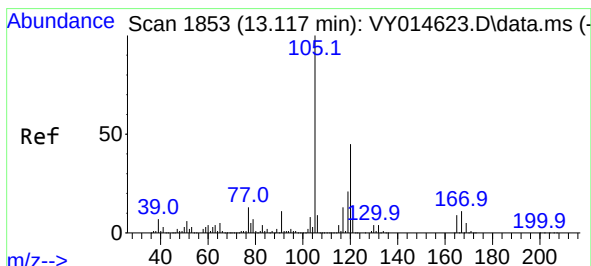
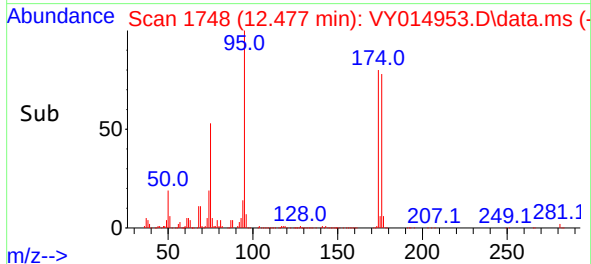
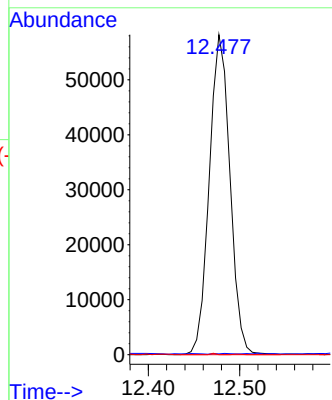
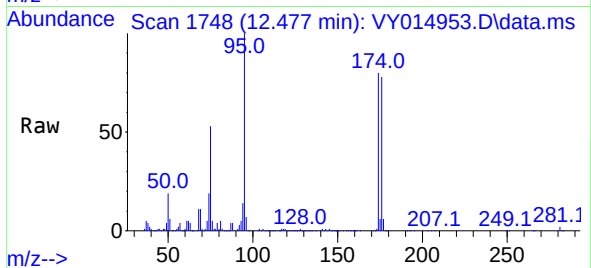




#81
trans-1,4-Dichloro-2-butene
Concen: 88.555 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014953.D
Acq: 03 Aug 2023 17:02

Instrument :
MSVOA_Y
ClientSampleId :
WC-1

Tgt Ion: 75 Resp: 91597
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.1 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.480 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY014953.D
Acq: 03 Aug 2023 17:02

Tgt Ion: 105 Resp: 15064
Ion Ratio Lower Upper
105 100
120 45.8 22.2 66.6

