

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072623\
 Data File : VY014848.D
 Acq On : 26 Jul 2023 14:42
 Operator : SY/MD
 Sample : 03717-04
 Misc : 5.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 26 14:55:32 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)

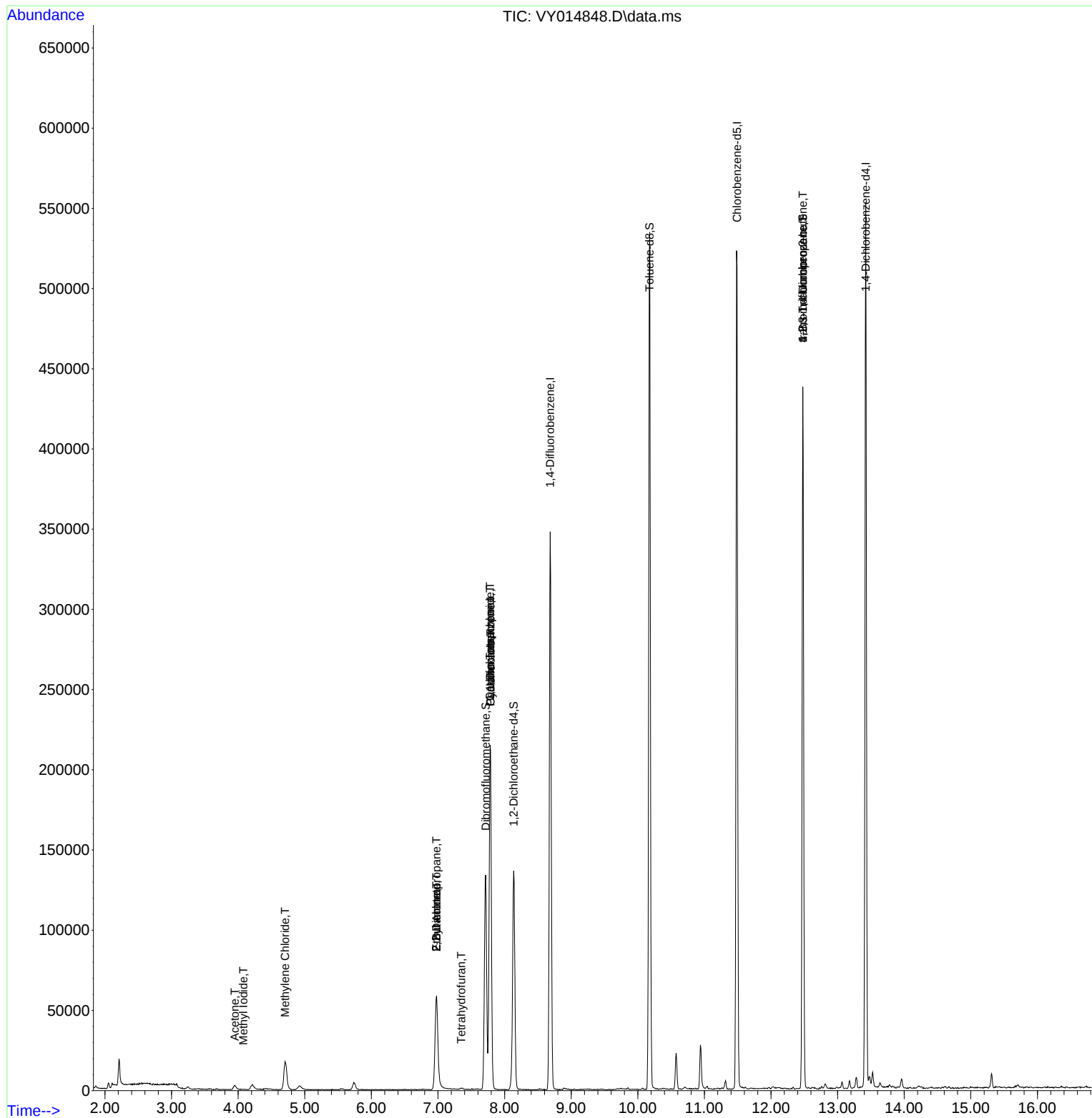
Internal Standards						
1) Pentafluorobenzene	7.789	168	169155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	300925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	287225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	136481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	105036	54.491	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.980%	
35) Dibromofluoromethane	7.715	113	95257	49.727	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.460%	
50) Toluene-d8	10.178	98	359349	50.882	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.760%	
62) 4-Bromofluorobenzene	12.477	95	131003	48.376	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.760%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.076	142	167	2.454	ug/l #	56
11) Tert butyl alcohol	4.905	59	1115	Below Cal	#	89
16) Acetone	3.948	43	4792	7.845	ug/l	99
20) Methylene Chloride	4.704	84	13720	2.940	ug/l	88
25) 2-Butanone	6.978	43	3527	3.947	ug/l #	80
26) 2,2-Dichloropropane	6.978	77	4418	1.347	ug/l #	54
29) Tetrahydrofuran	7.350	42	573	1.041	ug/l #	81
31) Cyclohexane	7.789	56	3704	1.158	ug/l #	1
36) 1,1-Dichloropropene	7.782	75	13530	4.723	ug/l #	51
37) Ethyl Acetate	6.978	43	3527	1.788	ug/l #	1
38) Carbon Tetrachloride	7.782	117	17075	5.639	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	70627	40.974	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	70627	79.332	ug/l #	11

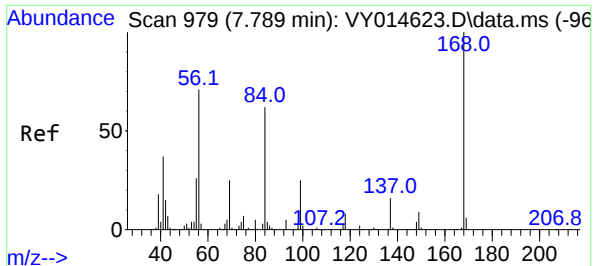
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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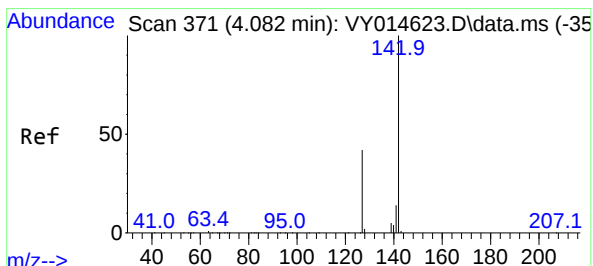
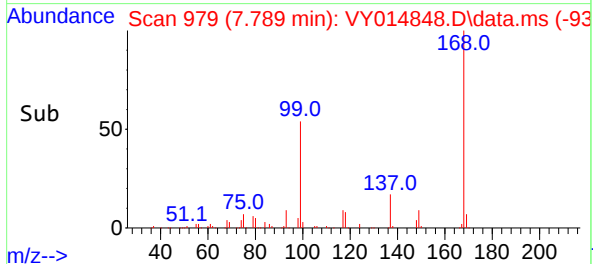
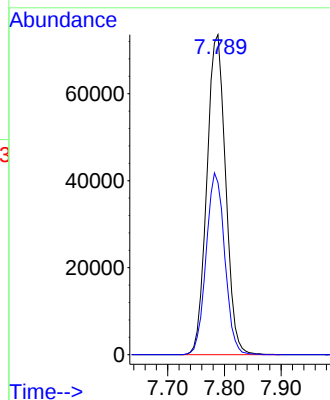
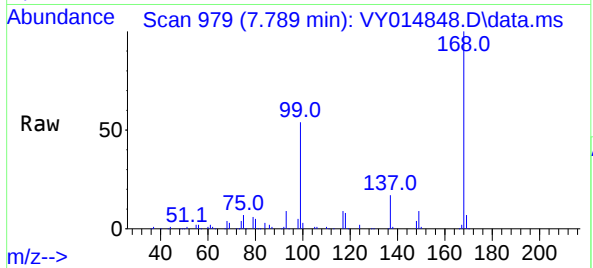




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014848.D
Acq: 26 Jul 2023 14:42

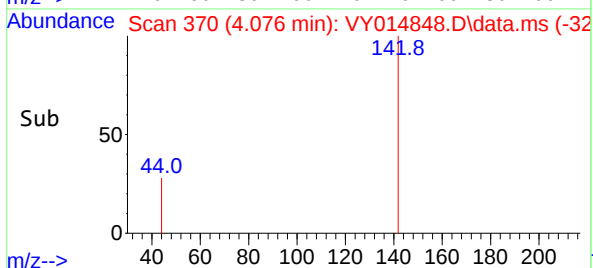
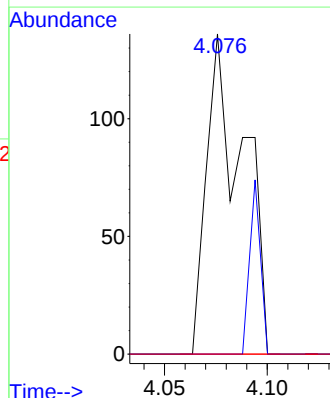
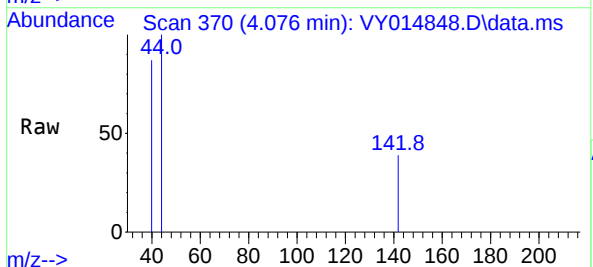
Instrument :
MSVOA_Y
ClientSampleId :

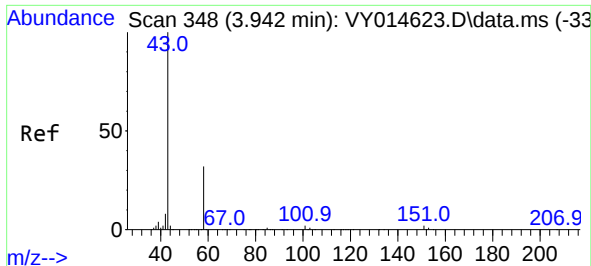
Tgt Ion:168 Resp: 169155
Ion Ratio Lower Upper
168 100
99 53.8 43.4 65.0



#10
Methyl Iodide
Concen: 2.454 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.006 min
Lab File: VY014848.D
Acq: 26 Jul 2023 14:42

Tgt Ion:142 Resp: 167
Ion Ratio Lower Upper
142 100
127 16.2 37.6 56.4#
141 0.0 11.8 17.8#

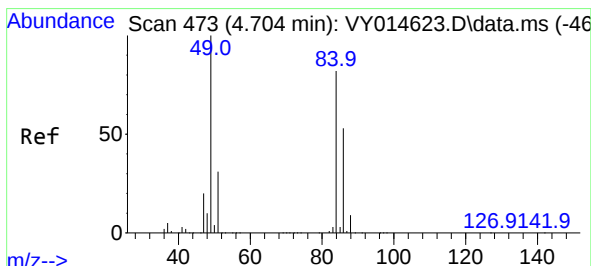
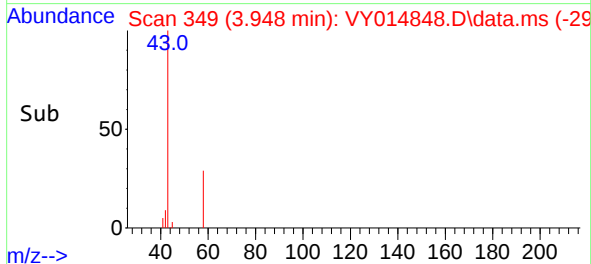
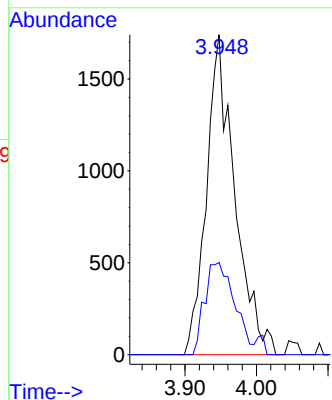
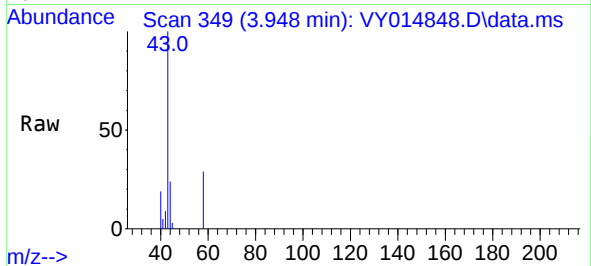




#16
Acetone
Concen: 7.845 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014848.D
Acq: 26 Jul 2023 14:42

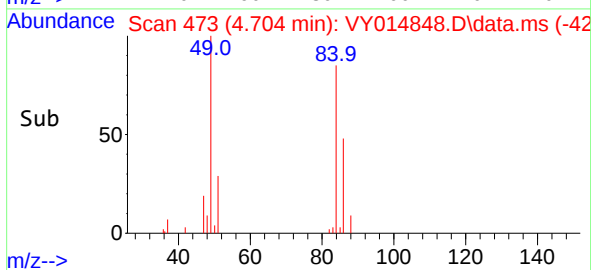
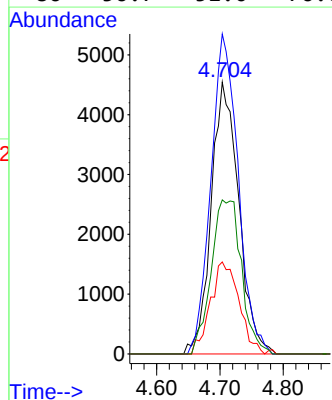
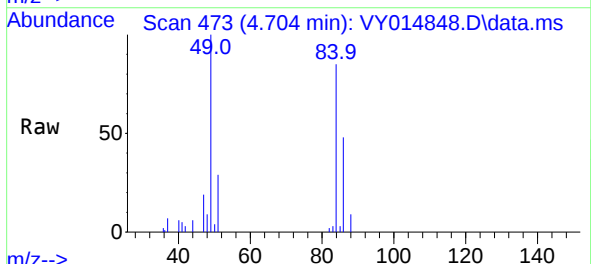
Instrument :
MSVOA_Y
ClientSampleId :

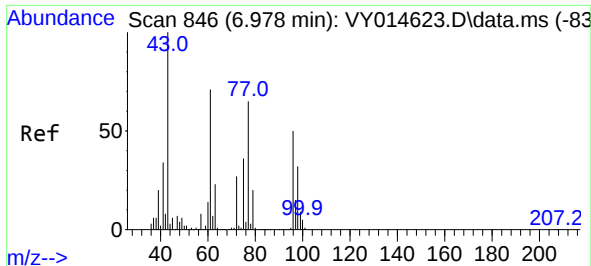
Tgt Ion: 43 Resp: 4792
Ion Ratio Lower Upper
43 100
58 28.8 22.7 34.1



#20
Methylene Chloride
Concen: 2.940 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.000 min
Lab File: VY014848.D
Acq: 26 Jul 2023 14:42

Tgt Ion: 84 Resp: 13720
Ion Ratio Lower Upper
84 100
49 117.7 106.9 160.3
51 33.8 33.2 49.8
86 56.7 51.0 76.6

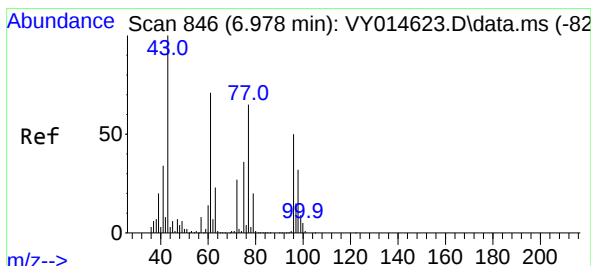
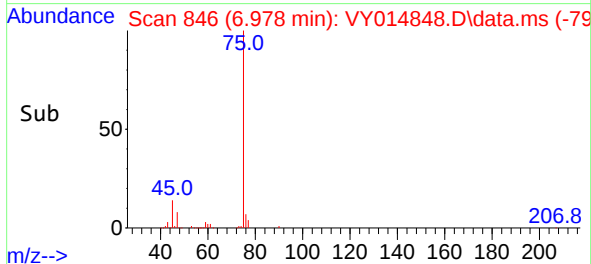
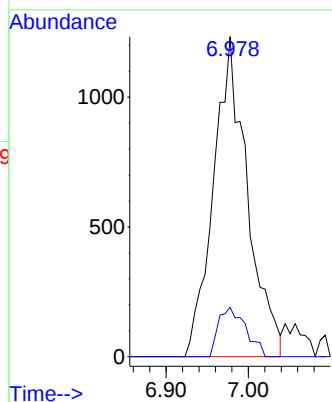
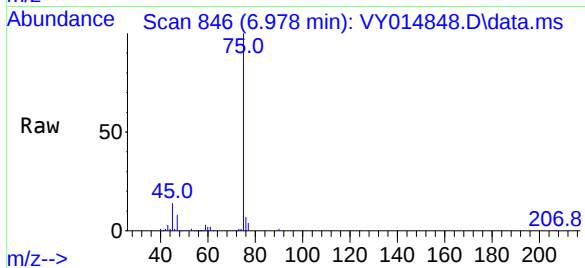




#25
2-Butanone
Concen: 3.947 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY014848.D
Acq: 26 Jul 2023 14:42

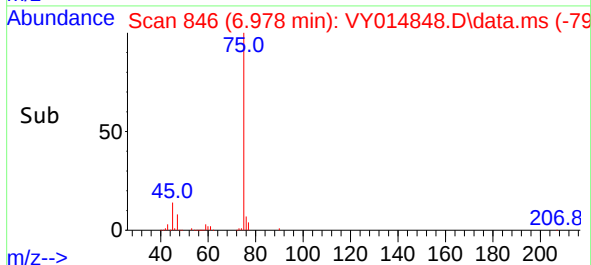
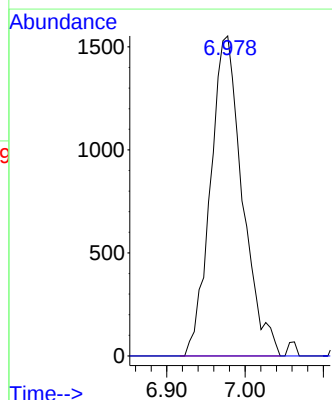
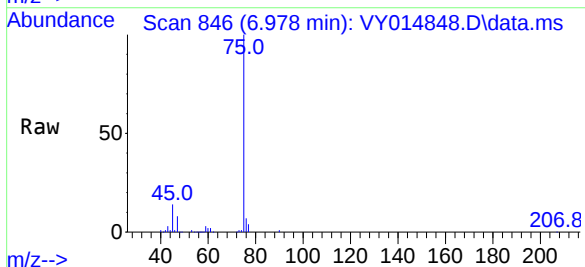
Instrument :
MSVOA_Y
ClientSampleId :

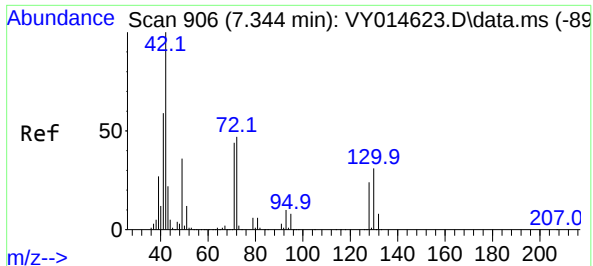
Tgt Ion: 43 Resp: 3527
Ion Ratio Lower Upper
43 100
72 15.4 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.347 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY014848.D
Acq: 26 Jul 2023 14:42

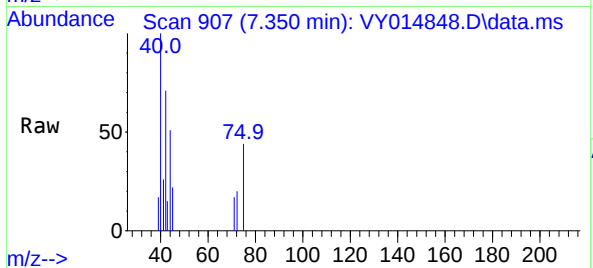
Tgt Ion: 77 Resp: 4418
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



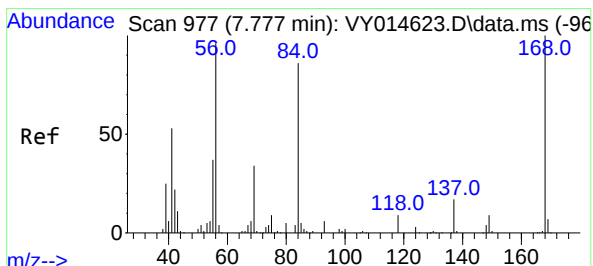
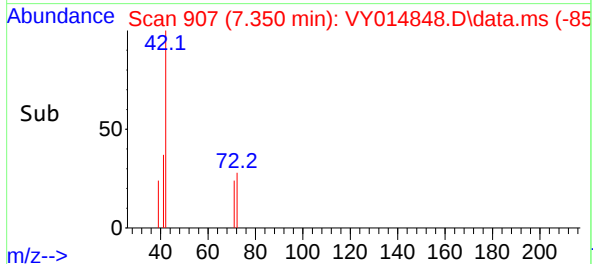
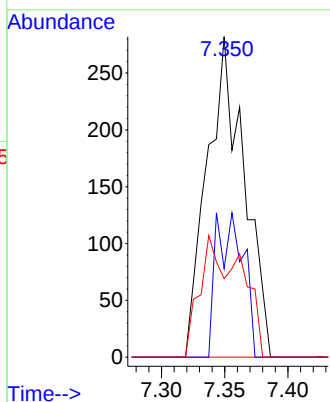


#29
Tetrahydrofuran
Concen: 1.041 ug/l
RT: 7.350 min Scan# 906
Delta R.T. 0.006 min
Lab File: VY014848.D
Acq: 26 Jul 2023 14:42

Instrument :
MSVOA_Y
ClientSampleId :

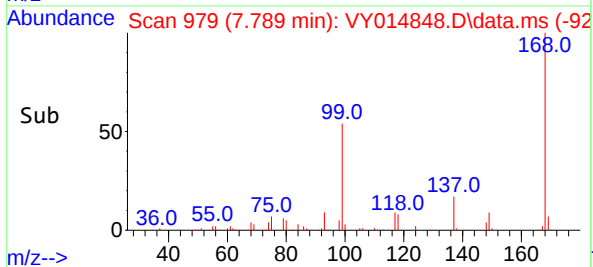
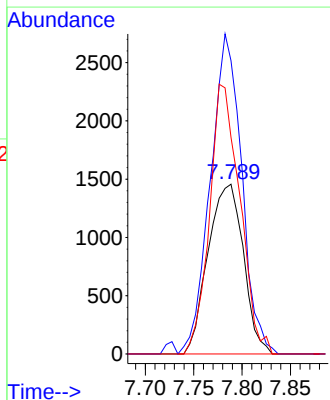
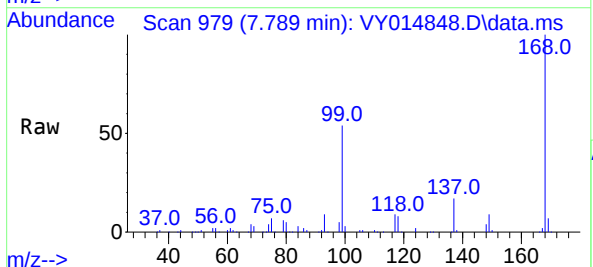


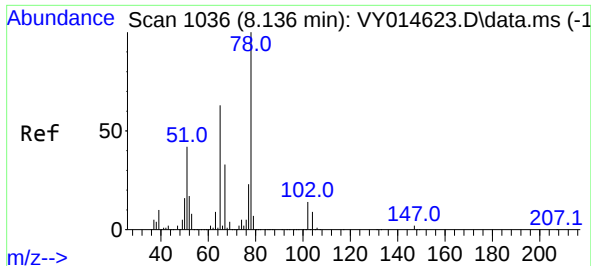
Tgt Ion: 42 Resp: 573
Ion Ratio Lower Upper
42 100
72 32.6 32.8 49.2#
71 23.4 31.0 46.4#



#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY014848.D
Acq: 26 Jul 2023 14:42

Tgt Ion: 56 Resp: 3704
Ion Ratio Lower Upper
56 100
69 172.8 27.8 41.6#
84 127.6 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 54.491 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY014848.D

Acq: 26 Jul 2023 14:42

Instrument :

MSVOA_Y

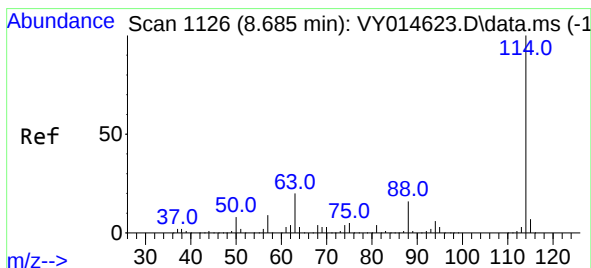
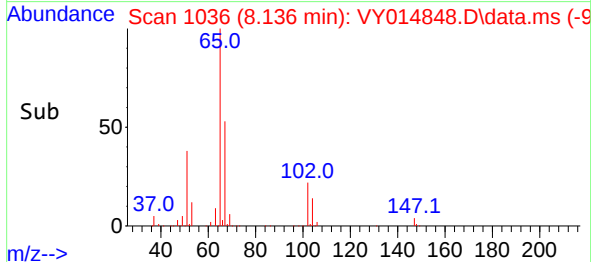
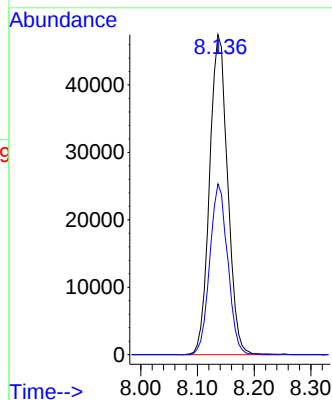
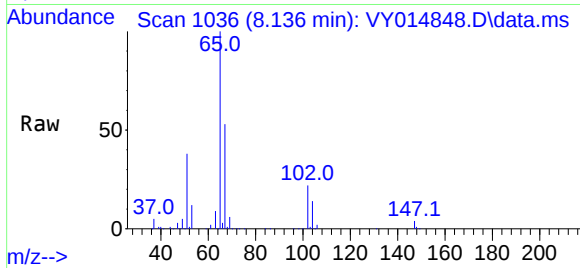
ClientSampleId :

Tgt Ion: 65 Resp: 105036

Ion Ratio Lower Upper

65 100

67 52.9 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: VY014848.D

Acq: 26 Jul 2023 14:42

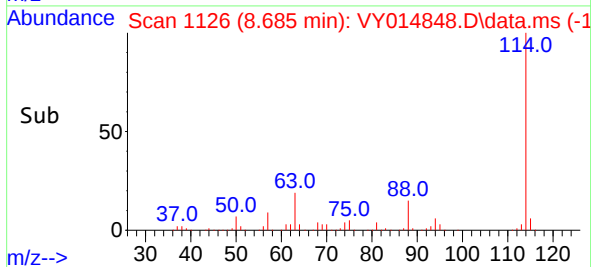
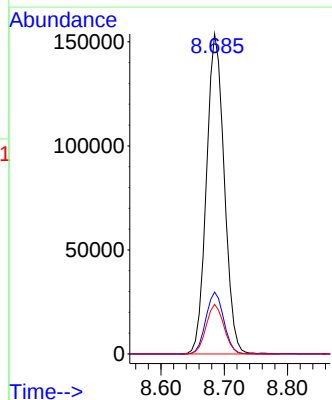
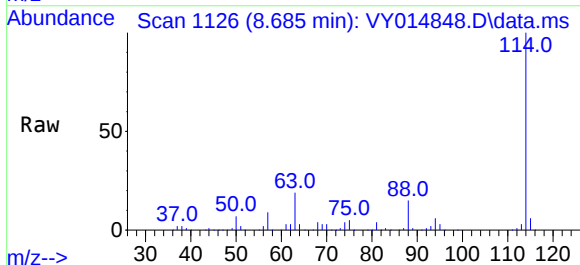
Tgt Ion: 114 Resp: 300925

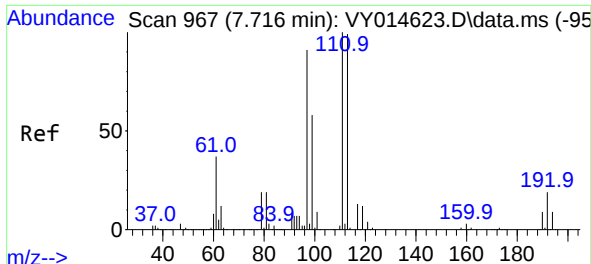
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

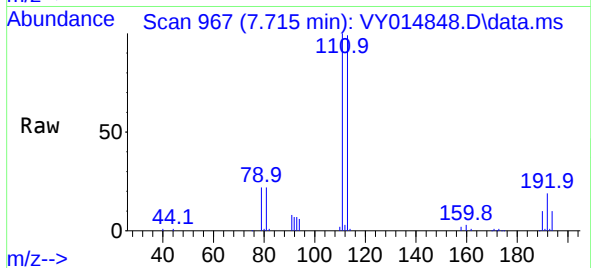
88 15.5 0.0 30.6



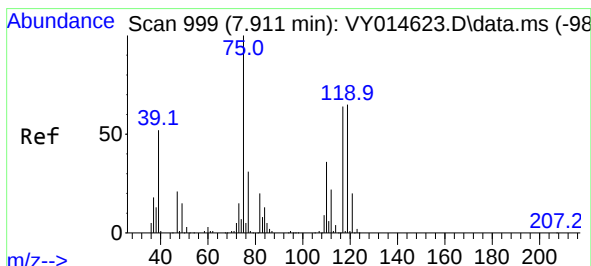
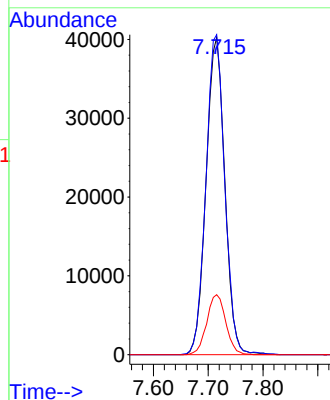
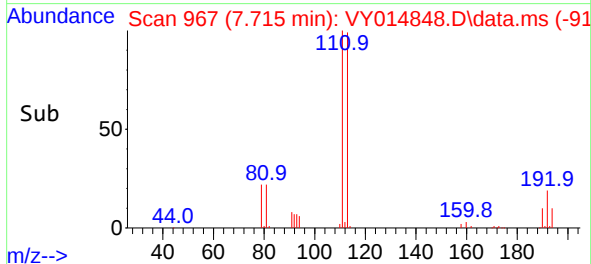


#35
Dibromofluoromethane
Concen: 49.727 ug/l
RT: 7.715 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY014848.D
Acq: 26 Jul 2023 14:42

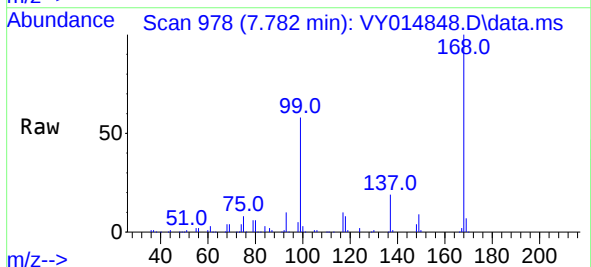
Instrument :
MSVOA_Y
ClientSampleId :



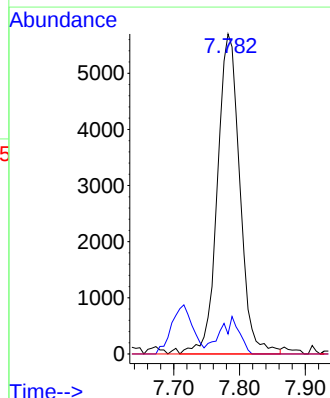
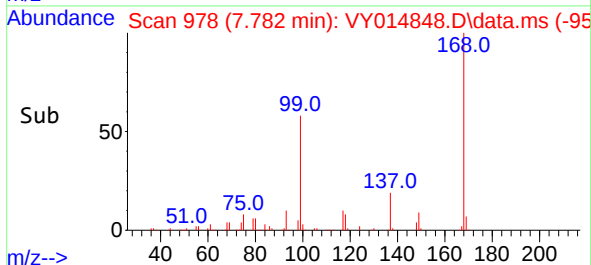
Tgt Ion:113 Resp: 95257
Ion Ratio Lower Upper
113 100
111 101.5 81.3 121.9
192 19.2 16.9 25.3

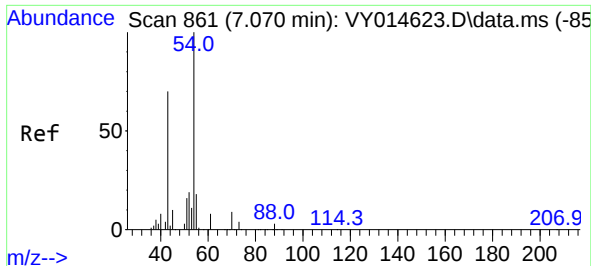


#36
1,1-Dichloropropene
Concen: 4.723 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.129 min
Lab File: VY014848.D
Acq: 26 Jul 2023 14:42



Tgt Ion: 75 Resp: 13530
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.788 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

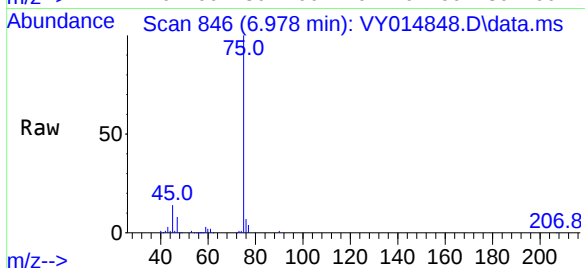
Lab File: VY014848.D

Acq: 26 Jul 2023 14:42

Instrument :

MSVOA_Y

ClientSampleId :



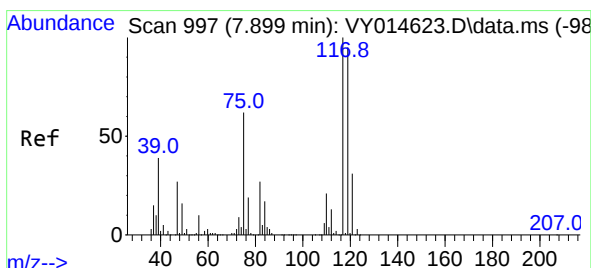
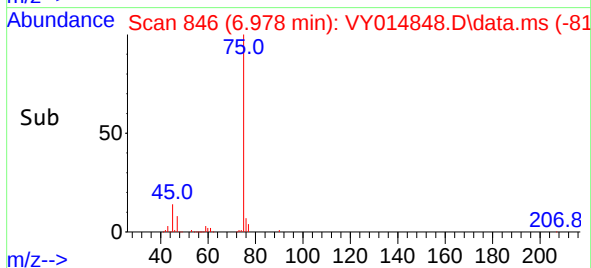
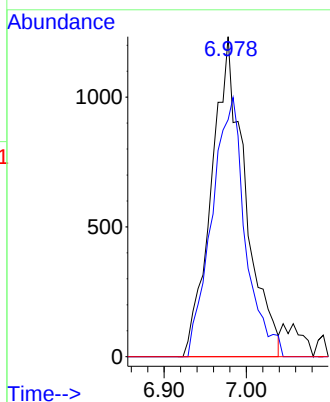
Tgt Ion: 43 Resp: 3527

Ion Ratio Lower Upper

43 100

61 80.2 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.639 ug/l

RT: 7.782 min Scan# 978

Delta R.T. -0.117 min

Lab File: VY014848.D

Acq: 26 Jul 2023 14:42

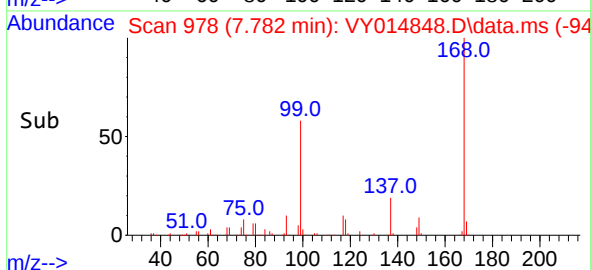
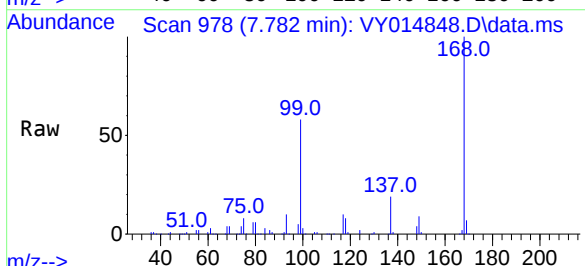
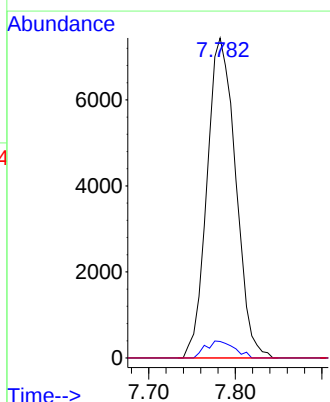
Tgt Ion: 117 Resp: 17075

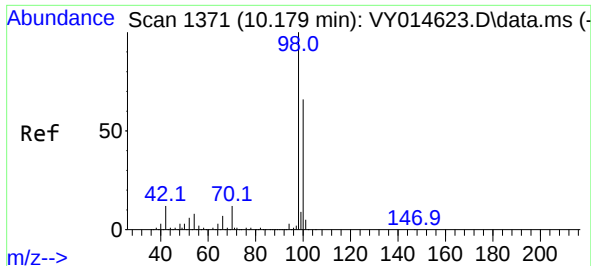
Ion Ratio Lower Upper

117 100

119 5.1 76.4 114.6#

121 0.0 25.8 38.6#

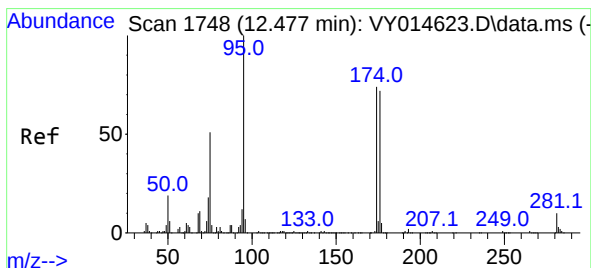
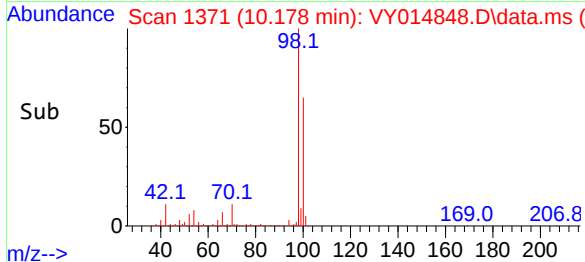
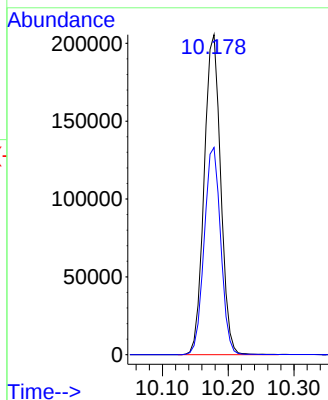
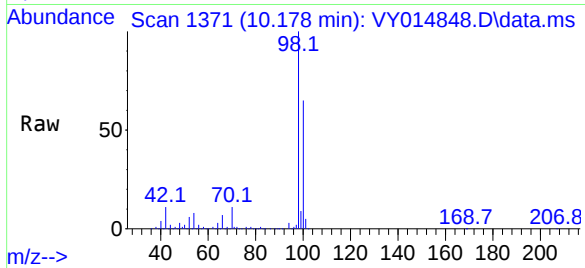




#50
Toluene-d8
Concen: 50.882 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY014848.D
Acq: 26 Jul 2023 14:42

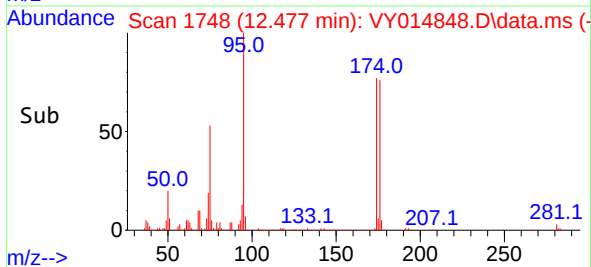
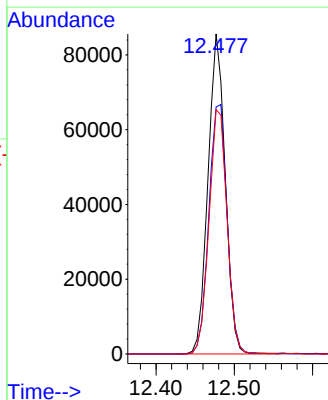
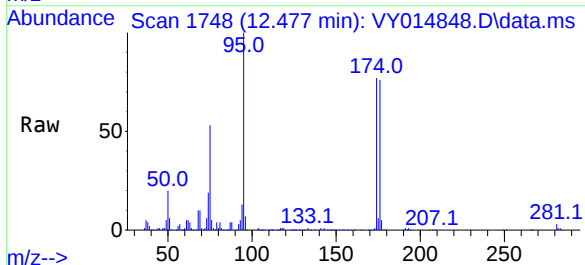
Instrument :
MSVOA_Y
ClientSampleId :

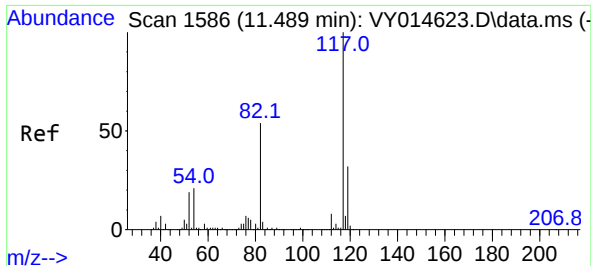
Tgt Ion: 98 Resp: 359349
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.376 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY014848.D
Acq: 26 Jul 2023 14:42

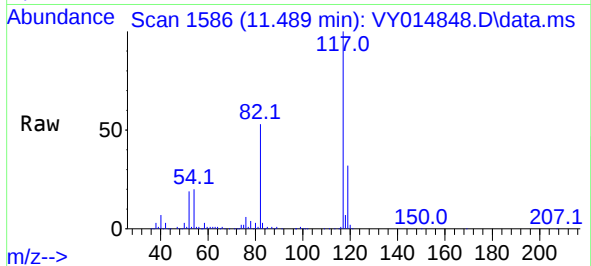
Tgt Ion: 95 Resp: 131003
Ion Ratio Lower Upper
95 100
174 82.7 0.0 178.2
176 79.6 0.0 173.8



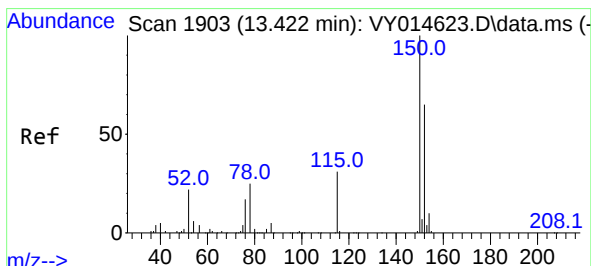
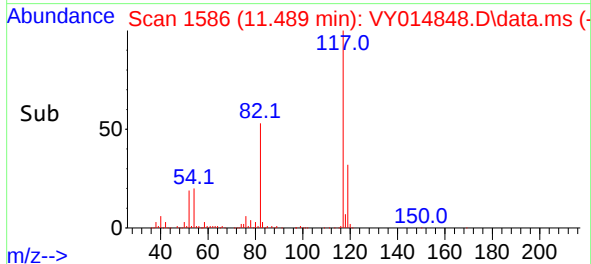
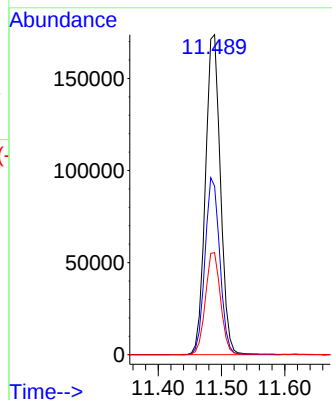


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY014848.D
Acq: 26 Jul 2023 14:42

Instrument :
MSVOA_Y
ClientSampleId :

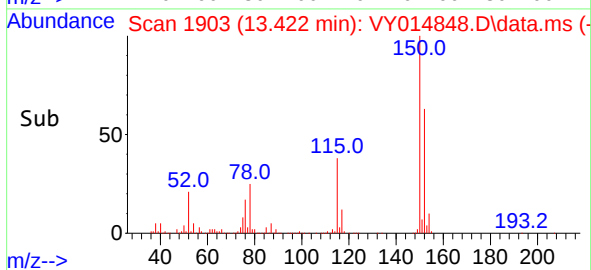
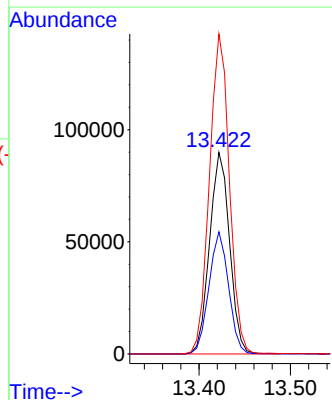
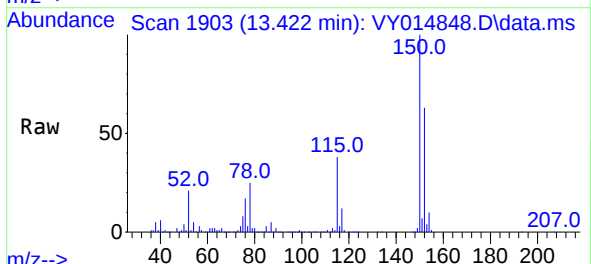


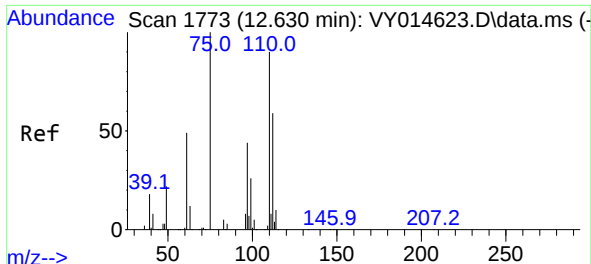
Tgt Ion:117 Resp: 287225
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.0
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY014848.D
Acq: 26 Jul 2023 14:42

Tgt Ion:152 Resp: 136481
Ion Ratio Lower Upper
152 100
115 59.4 28.8 86.5
150 158.5 0.0 348.8

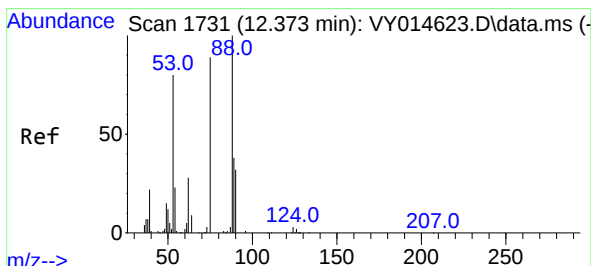
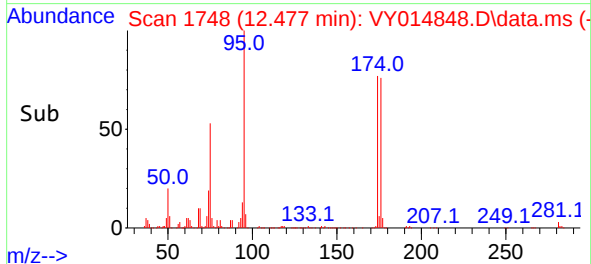
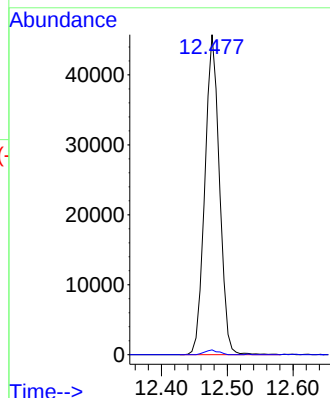
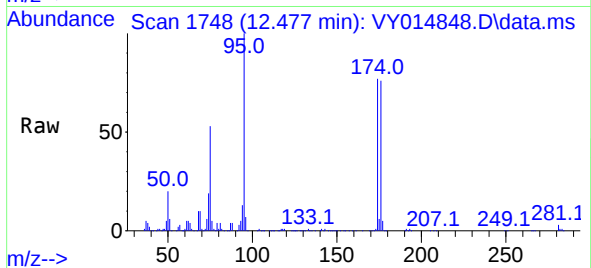




#76
1,2,3-Trichloropropane
Concen: 40.974 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY014848.D
Acq: 26 Jul 2023 14:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 70627
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.332 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014848.D
Acq: 26 Jul 2023 14:42

Tgt Ion: 75 Resp: 70627
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

