

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014670.D
 Acq On : 17 Jul 2023 14:20
 Operator : SY/MD
 Sample : 03633-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-01-GRAB

Quant Time: Jul 18 06:09:26 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)

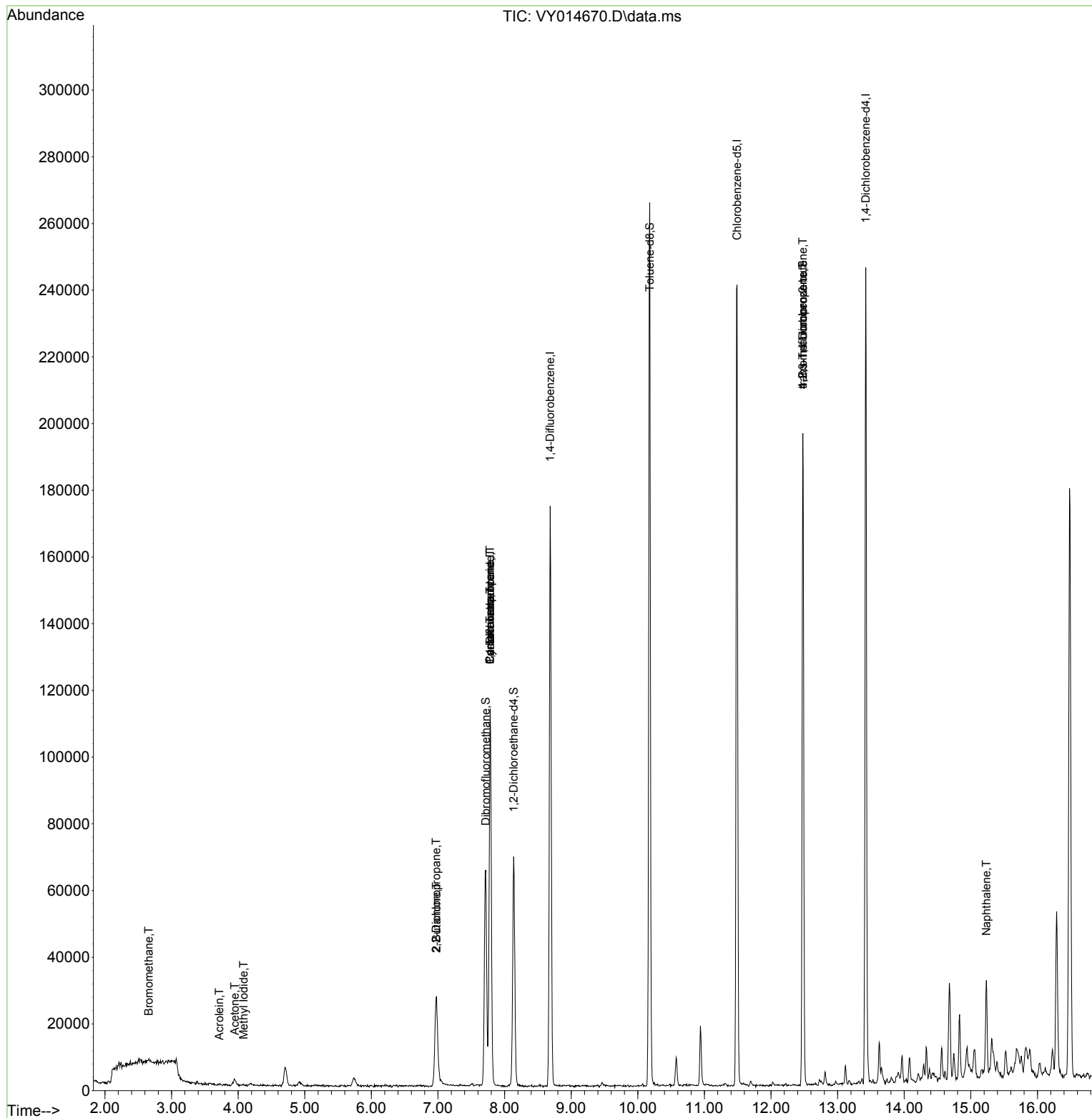
Internal Standards						
1) Pentafluorobenzene	7.783	168	85929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	147831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	135985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	62308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	52214	53.323	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.640%			
35) Dibromofluoromethane	7.716	113	46437	49.346	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.700%			
50) Toluene-d8	10.179	98	175343	50.539	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.080%			
62) 4-Bromofluorobenzene	12.477	95	63665	47.857	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.720%			
Target Compounds						Qvalue
5) Bromomethane	2.656	94	769	1.323	ug/l	92
10) Methyl Iodide	4.082	142	487	2.853	ug/l #	69
11) Tert butyl alcohol	4.930	59	1014	Below Cal		99
13) Acrolein	3.716	56	209	2.042	ug/l #	1
16) Acetone	3.948	43	3359	10.825	ug/l #	89
25) 2-Butanone	6.978	43	2102	4.630	ug/l #	77
26) 2,2-Dichloropropane	6.972	77	2397	1.439	ug/l #	54
31) Cyclohexane	7.783	56	1973	1.214	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	6728	4.781	ug/l #	50
38) Carbon Tetrachloride	7.783	117	8382	5.634	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	33012	41.950	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	33012	81.223	ug/l #	11
95) Naphthalene	15.233	128	23279	7.927	ug/l	99

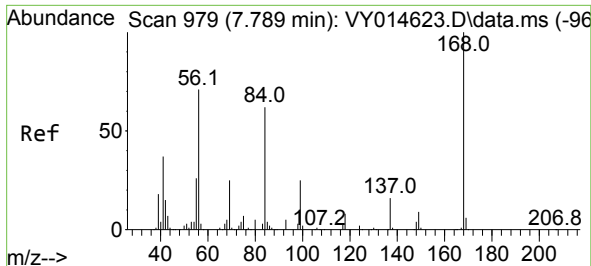
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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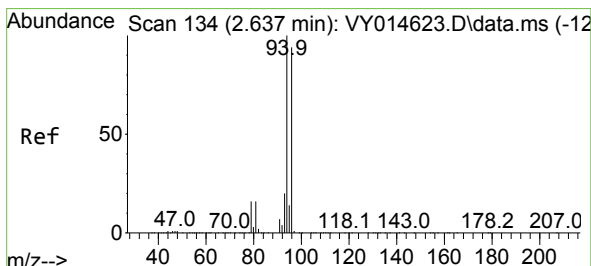
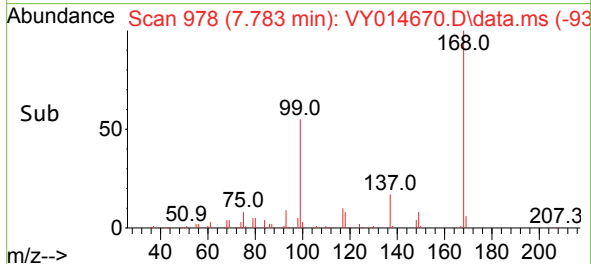
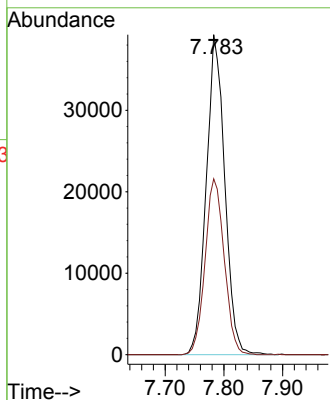
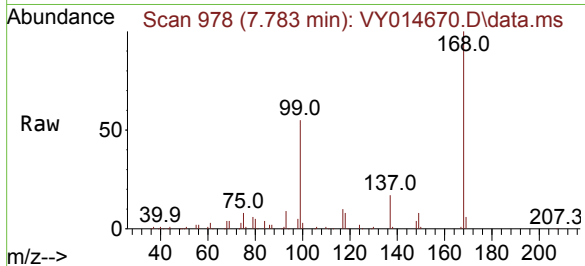




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014670.D
Acq: 17 Jul 2023 14:20

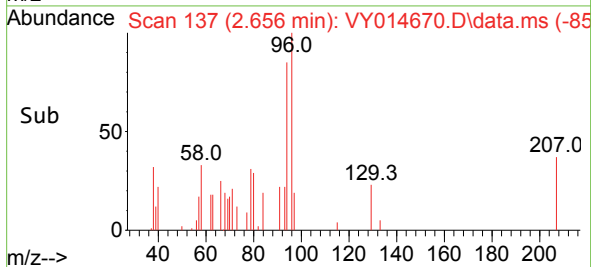
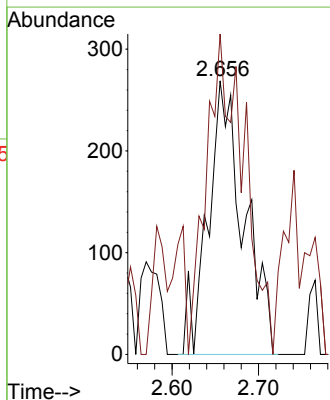
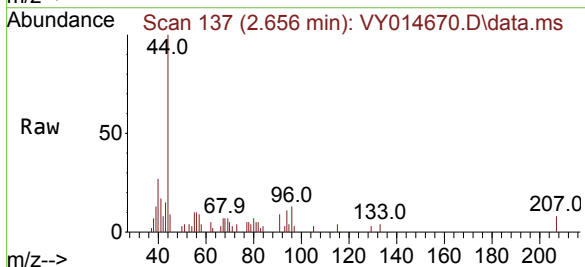
Instrument :
MSVOA_Y
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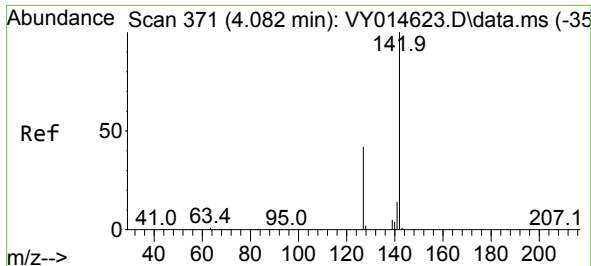
Tgt Ion:168 Resp: 85929
Ion Ratio Lower Upper
168 100
99 54.9 43.4 65.0



#5
Bromomethane
Concen: 1.323 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY014670.D
Acq: 17 Jul 2023 14:20

Tgt Ion: 94 Resp: 769
Ion Ratio Lower Upper
94 100
96 86.6 75.8 113.6

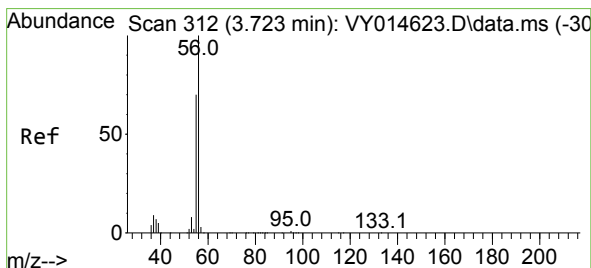
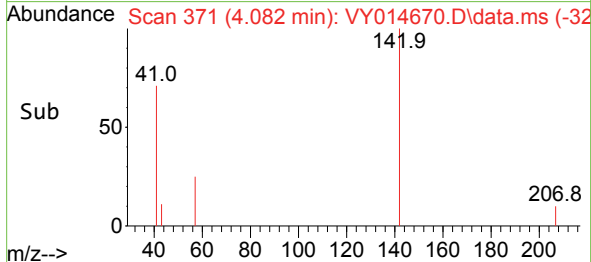
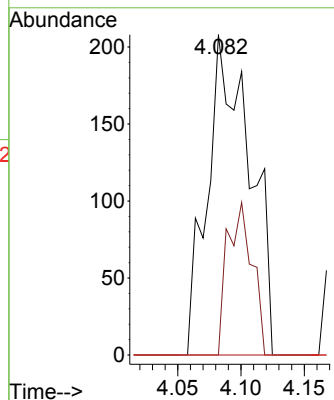
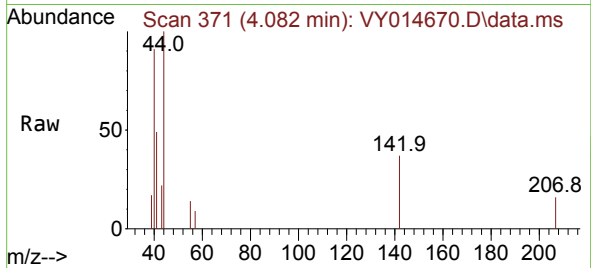




#10
Methyl Iodide
Concen: 2.853 ug/l
RT: 4.082 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY014670.D
Acq: 17 Jul 2023 14:20

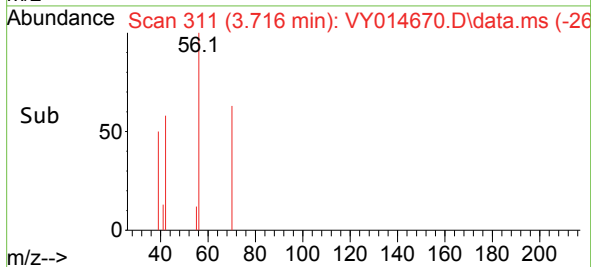
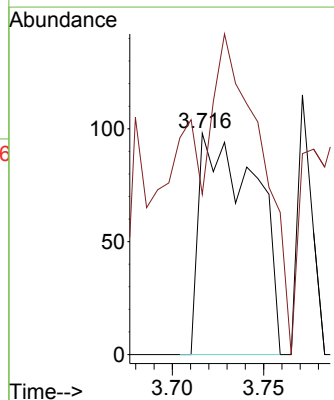
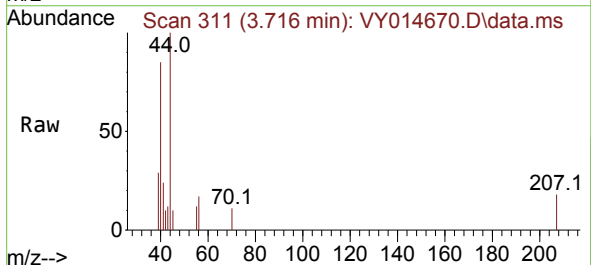
Instrument :
MSVOA_Y
ClientSampleId :
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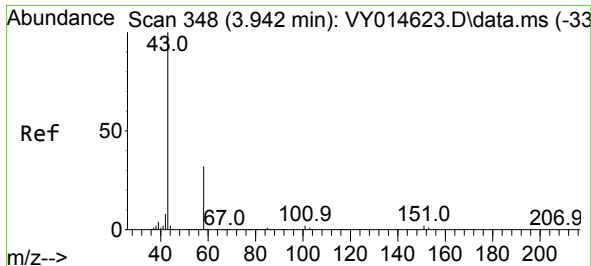
Tgt Ion:142 Resp: 487
Ion Ratio Lower Upper
142 100
127 27.7 37.6 56.4#
141 0.0 11.8 17.8#



#13
Acrolein
Concen: 2.042 ug/l
RT: 3.716 min Scan# 311
Delta R.T. -0.007 min
Lab File: VY014670.D
Acq: 17 Jul 2023 14:20

Tgt Ion: 56 Resp: 209
Ion Ratio Lower Upper
56 100
55 187.6 57.0 85.4#

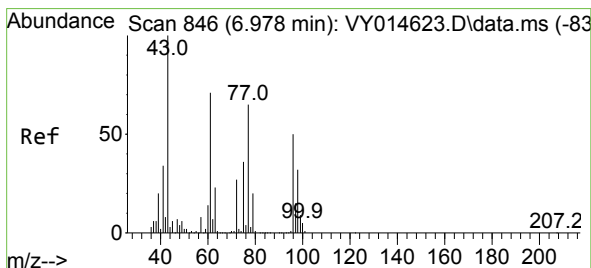
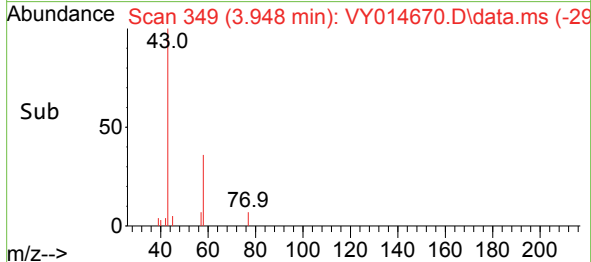
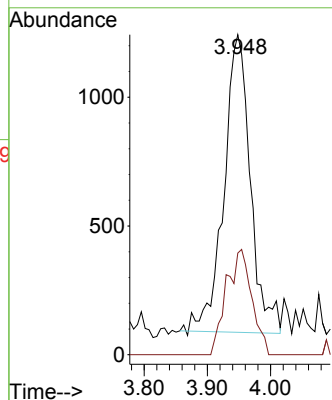
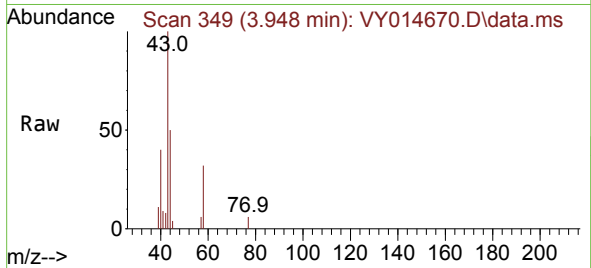




#16
Acetone
Concen: 10.825 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014670.D
Acq: 17 Jul 2023 14:20

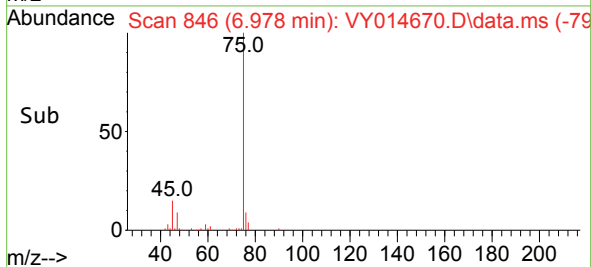
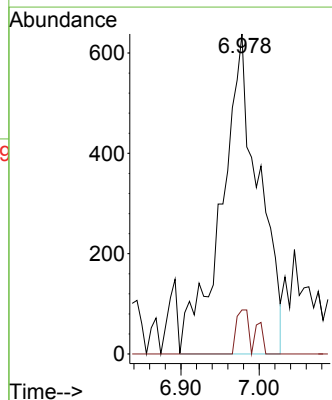
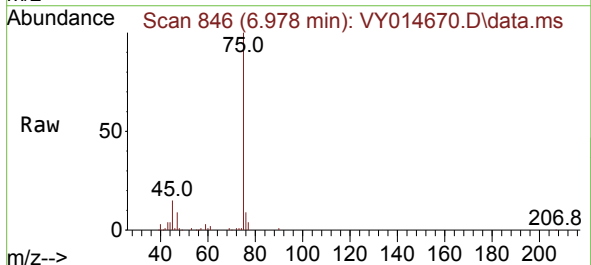
Instrument :
MSVOA_Y
ClientSampleId :
SS-01-GRAB

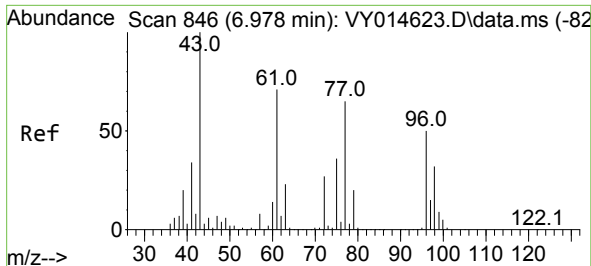
Tgt Ion: 43 Resp: 3359
Ion Ratio Lower Upper
43 100
58 34.3 22.7 34.1#



#25
2-Butanone
Concen: 4.630 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY014670.D
Acq: 17 Jul 2023 14:20

Tgt Ion: 43 Resp: 2102
Ion Ratio Lower Upper
43 100
72 13.8 20.5 30.7#

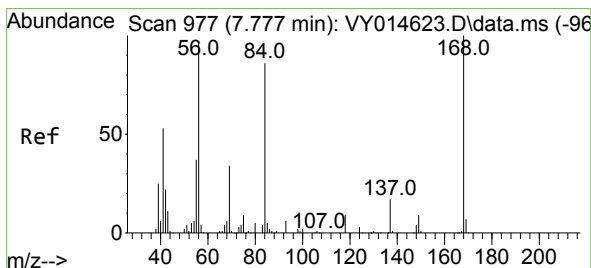
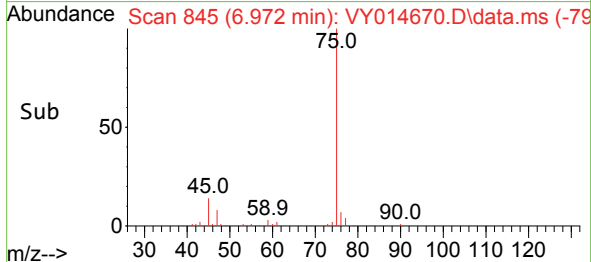
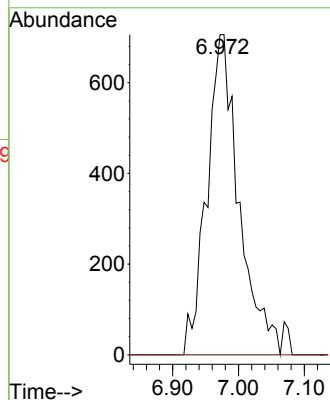
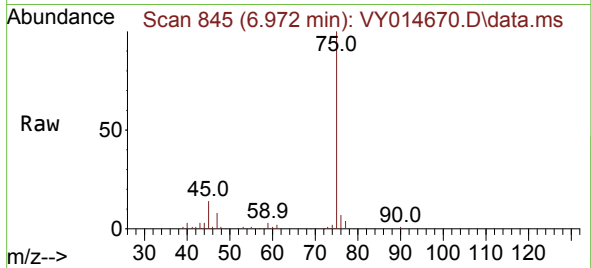




#26
2,2-Dichloropropane
Concen: 1.439 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014670.D
Acq: 17 Jul 2023 14:20

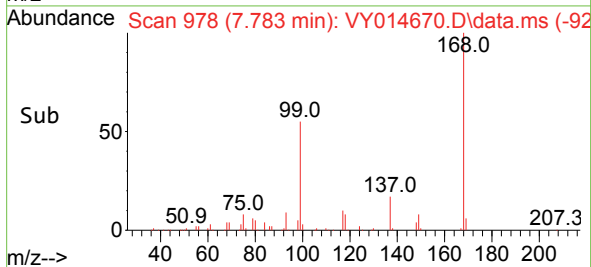
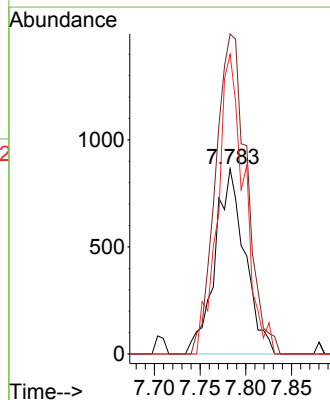
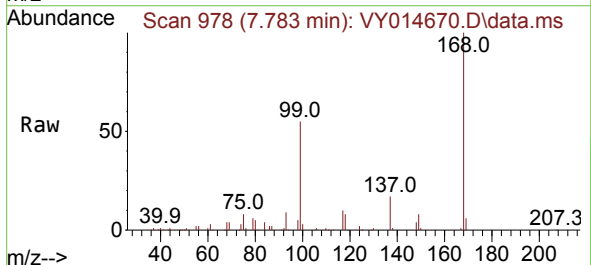
Instrument :
MSVOA_Y
ClientSampleId :
SS-01-GRAB

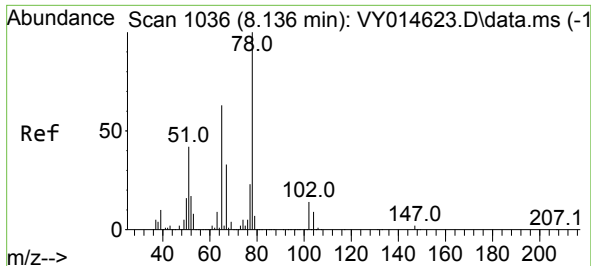
Tgt Ion: 77 Resp: 2397
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.214 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY014670.D
Acq: 17 Jul 2023 14:20

Tgt Ion: 56 Resp: 1973
Ion Ratio Lower Upper
56 100
69 172.8 27.8 41.6#
84 161.8 66.4 99.6#

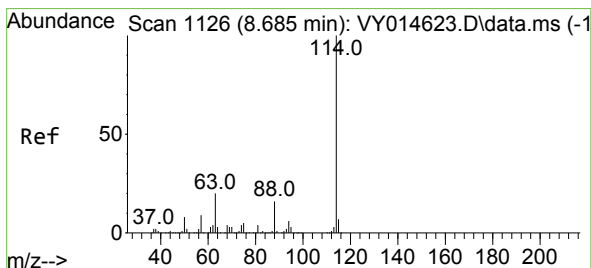
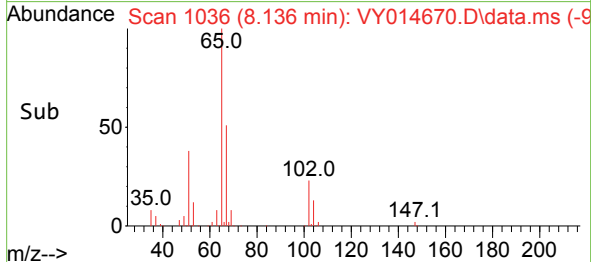
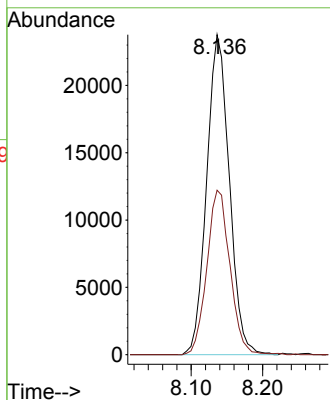
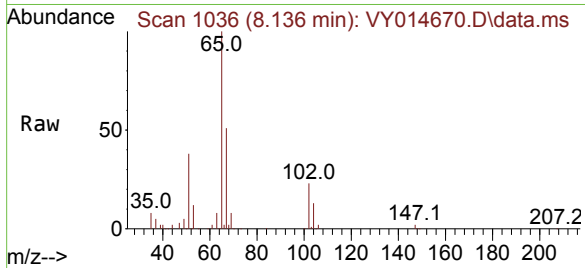




#33
 1,2-Dichloroethane-d4
 Concen: 53.323 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014670.D
 Acq: 17 Jul 2023 14:20

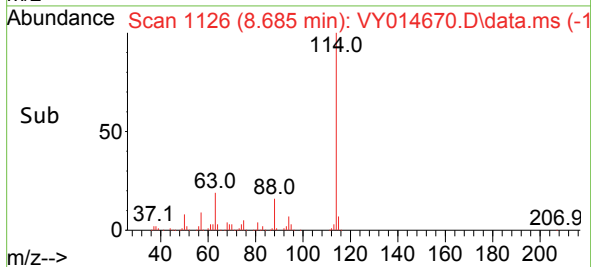
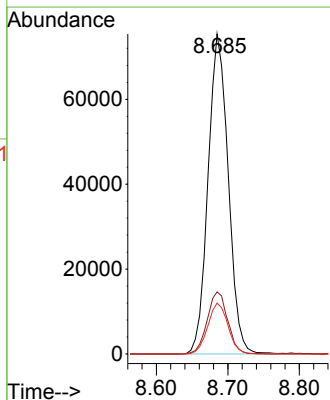
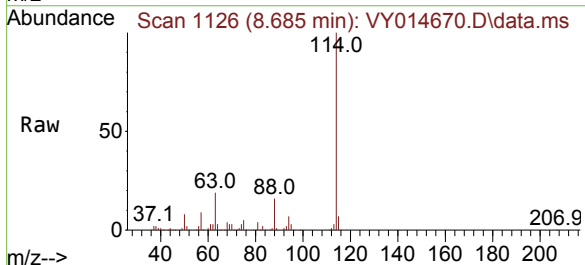
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 SS-01-GRAB

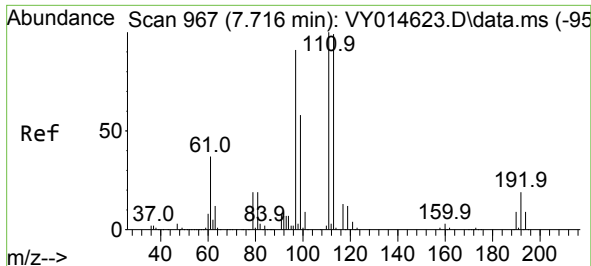
Tgt Ion: 65 Resp: 52214
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY014670.D
 Acq: 17 Jul 2023 14:20

Tgt Ion: 114 Resp: 147831
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.4
 88 15.9 0.0 30.6

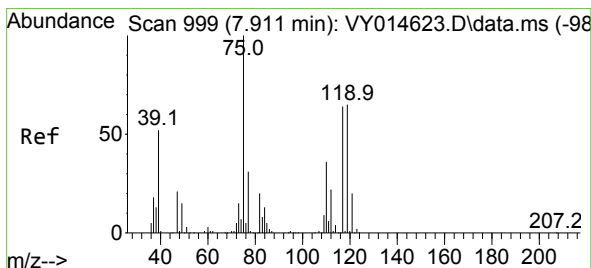
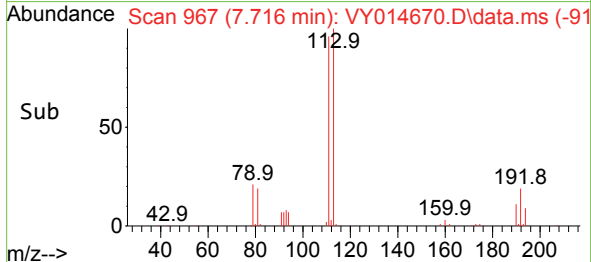
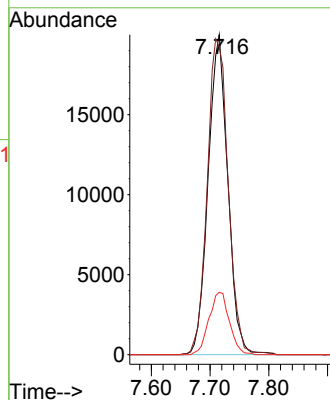
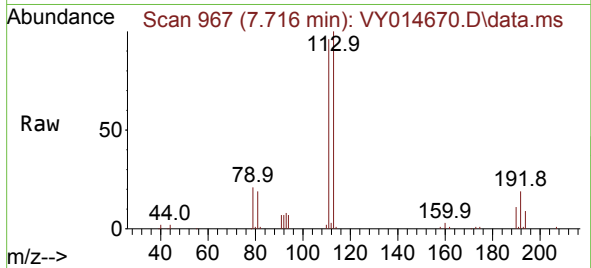




#35
Dibromofluoromethane
Concen: 49.346 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014670.D
Acq: 17 Jul 2023 14:20

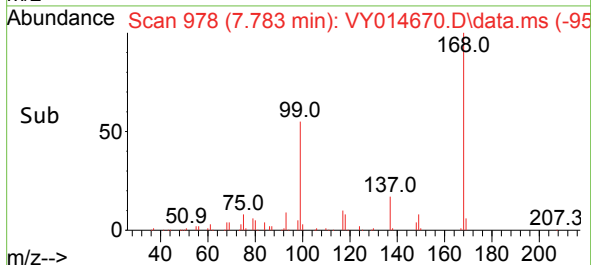
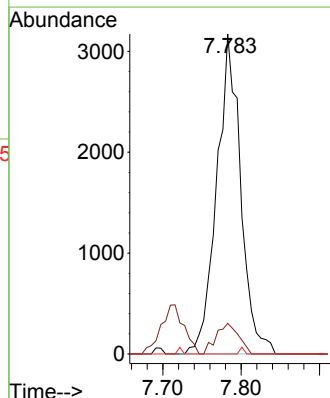
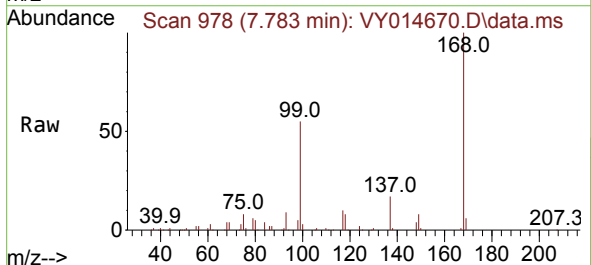
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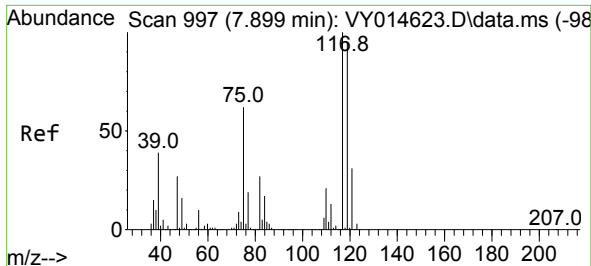
Tgt Ion:113 Resp: 46437
Ion Ratio Lower Upper
113 100
111 105.3 81.3 121.9
192 20.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.781 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014670.D
Acq: 17 Jul 2023 14:20

Tgt Ion: 75 Resp: 6728
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.5#
77 0.4 24.4 36.6#

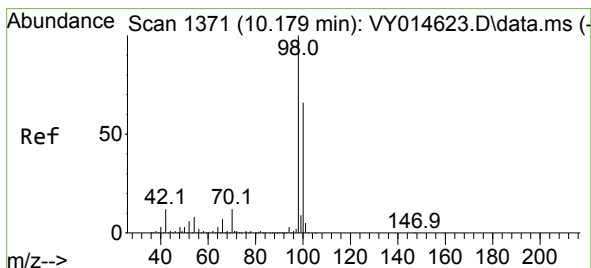
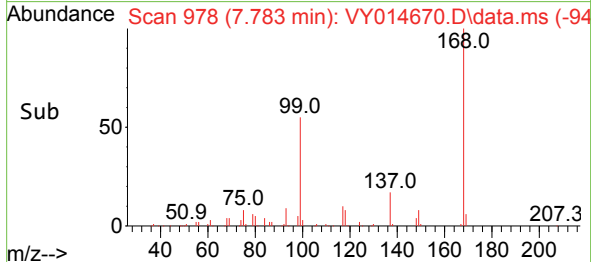
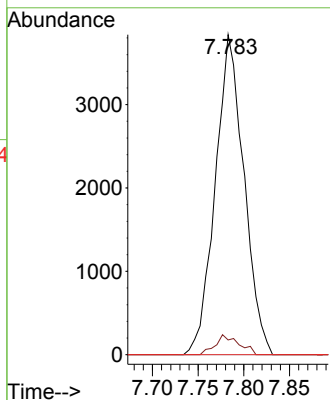
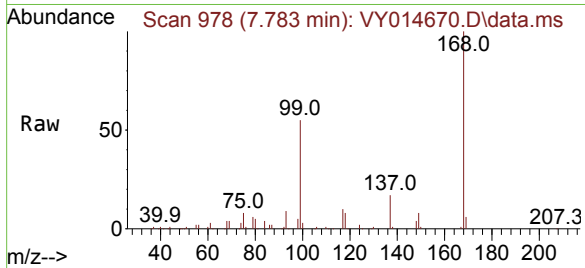




#38
Carbon Tetrachloride
Concen: 5.634 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014670.D
Acq: 17 Jul 2023 14:20

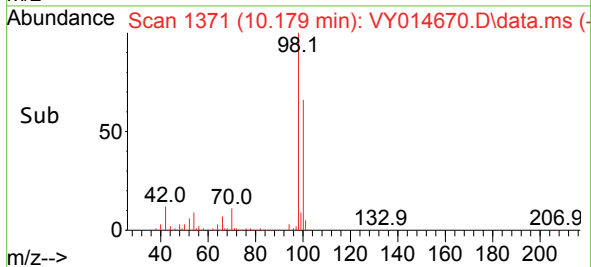
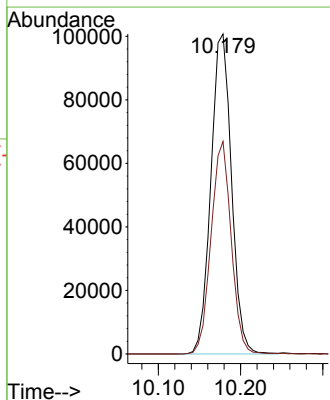
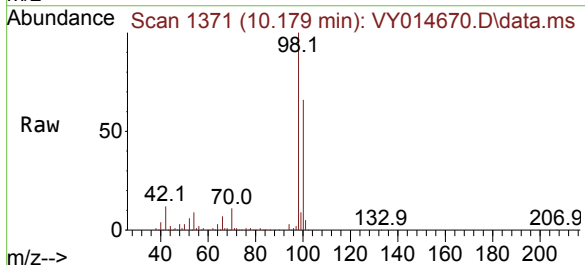
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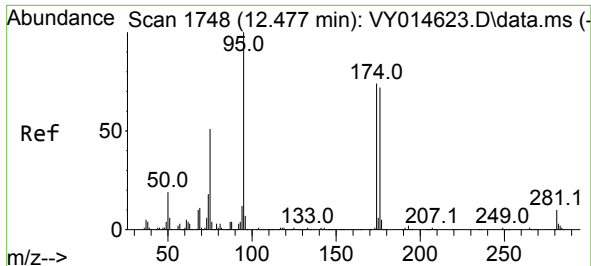
Tgt Ion:117 Resp: 8382
Ion Ratio Lower Upper
117 100
119 4.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.539 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014670.D
Acq: 17 Jul 2023 14:20

Tgt Ion: 98 Resp: 175343
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1

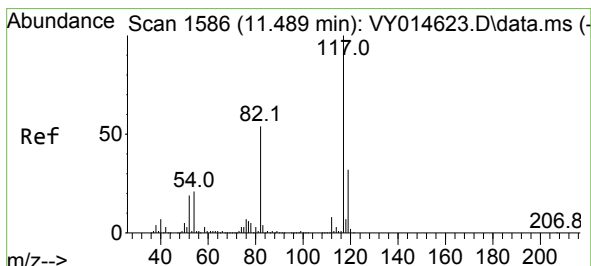
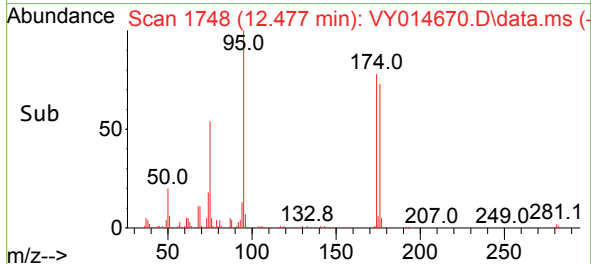
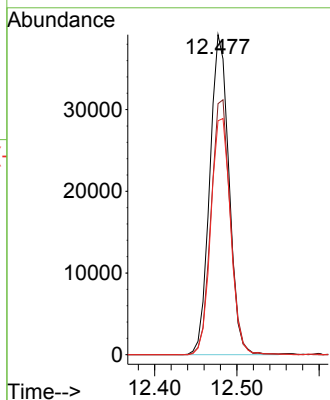
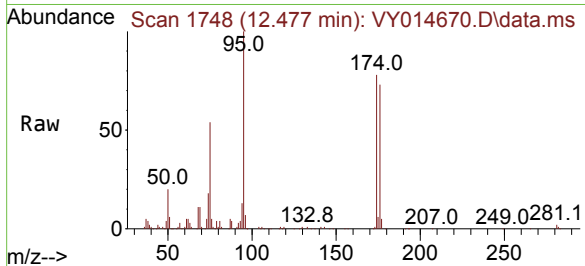




#62
4-Bromofluorobenzene
Concen: 47.857 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY014670.D
Acq: 17 Jul 2023 14:20

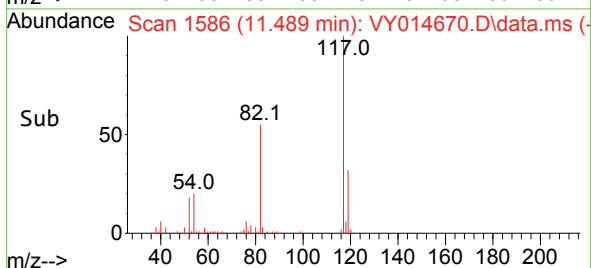
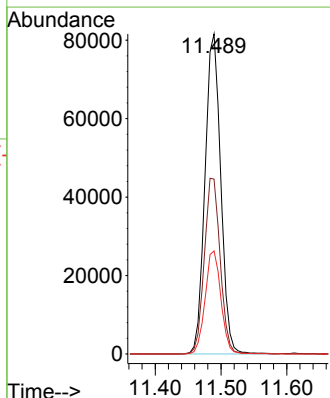
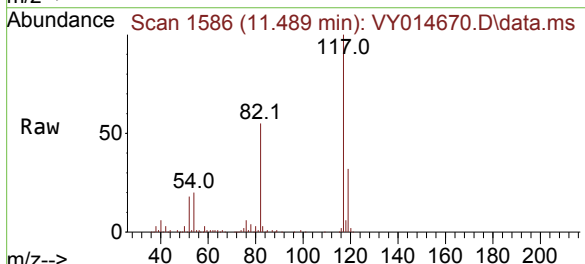
Instrument :
MSVOA_Y
ClientSampleId :
SS-01-GRAB

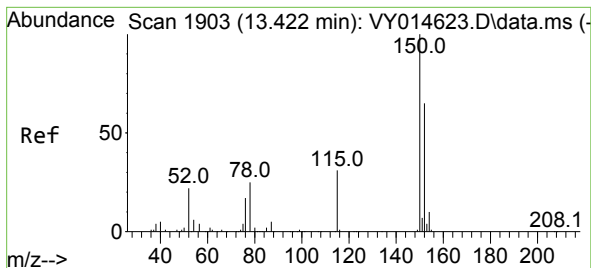
Tgt Ion: 95 Resp: 63665
Ion Ratio Lower Upper
95 100
174 80.2 0.0 178.2
176 76.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014670.D
Acq: 17 Jul 2023 14:20

Tgt Ion: 117 Resp: 135985
Ion Ratio Lower Upper
117 100
82 54.7 43.4 65.0
119 32.2 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: VY014670.D

Acq: 17 Jul 2023 14:20

Instrument :

MSVOA_Y

ClientSampleId :

SS-01-GRAB

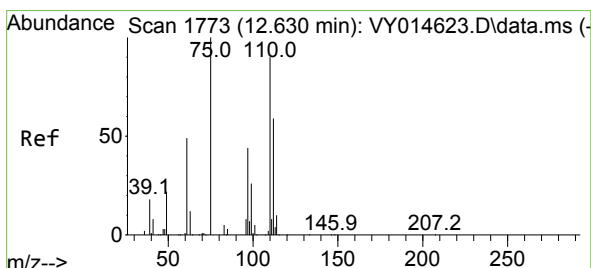
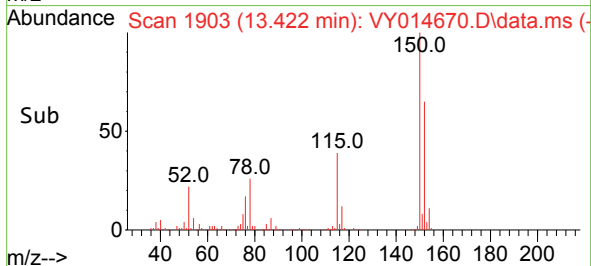
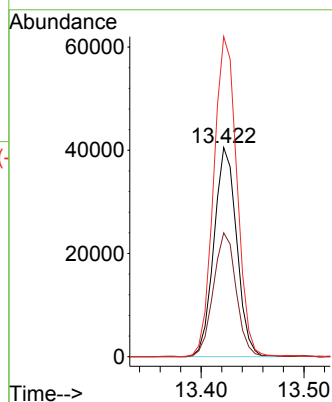
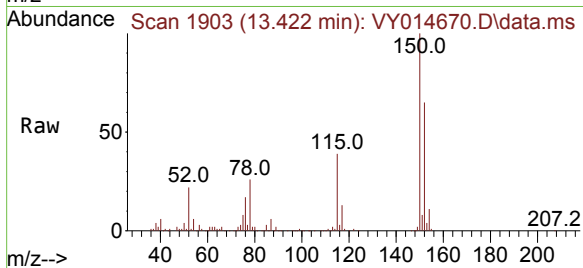
Tgt Ion:152 Resp: 62308

Ion Ratio Lower Upper

152 100

115 59.7 28.8 86.5

150 155.9 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.950 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014670.D

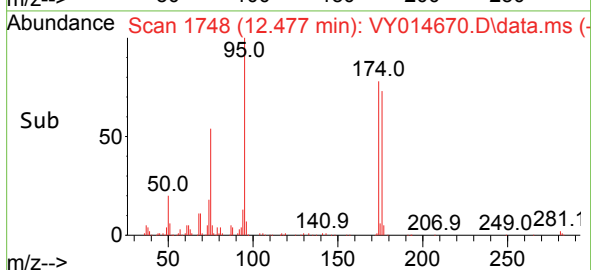
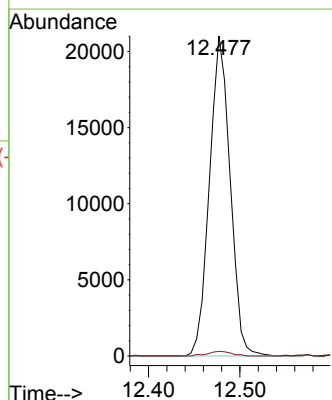
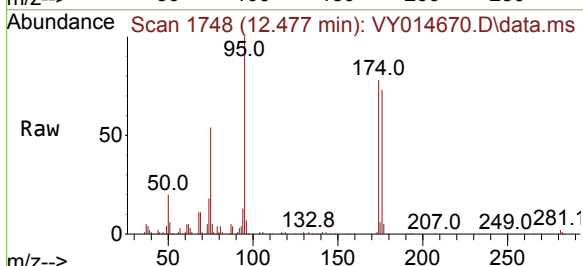
Acq: 17 Jul 2023 14:20

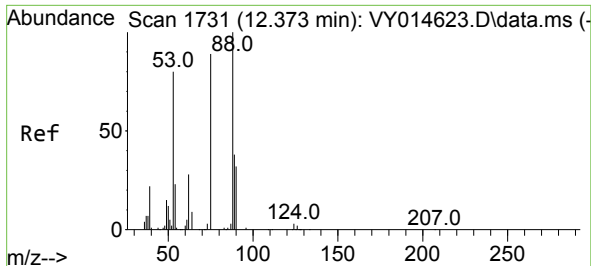
Tgt Ion: 75 Resp: 33012

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

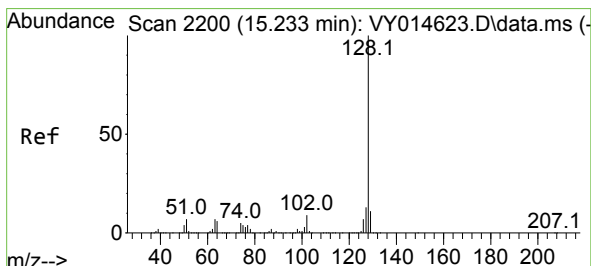
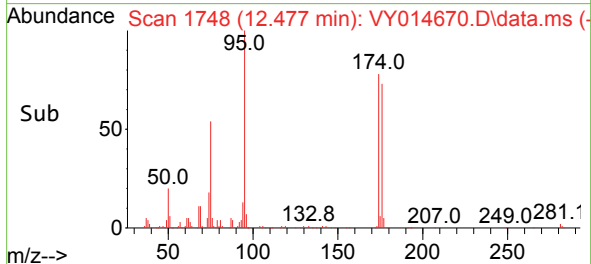
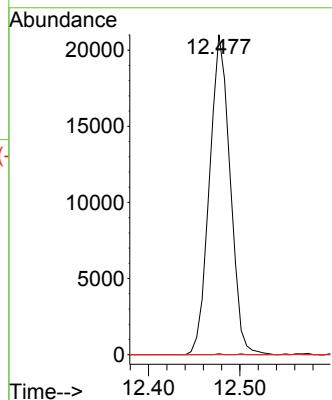
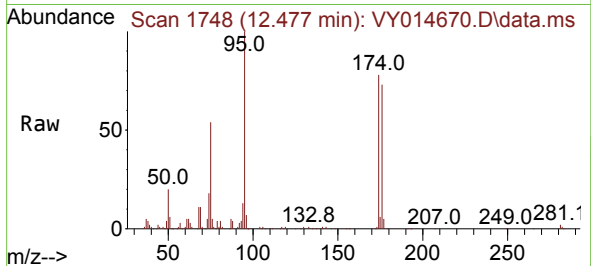




#81
trans-1,4-Dichloro-2-butene
Concen: 81.223 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014670.D
Acq: 17 Jul 2023 14:20

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-GRAB

Tgt Ion: 75 Resp: 33012
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 7.927 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY014670.D
Acq: 17 Jul 2023 14:20

Tgt Ion: 128 Resp: 23279
Ion Ratio Lower Upper
128 100
127 13.6 10.8 16.2
129 11.8 8.6 13.0

