

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071823\
 Data File : VY014694.D
 Acq On : 18 Jul 2023 12:11
 Operator : SY/MD
 Sample : 03653-11
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP21

Quant Time: Jul 19 04:02:19 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)

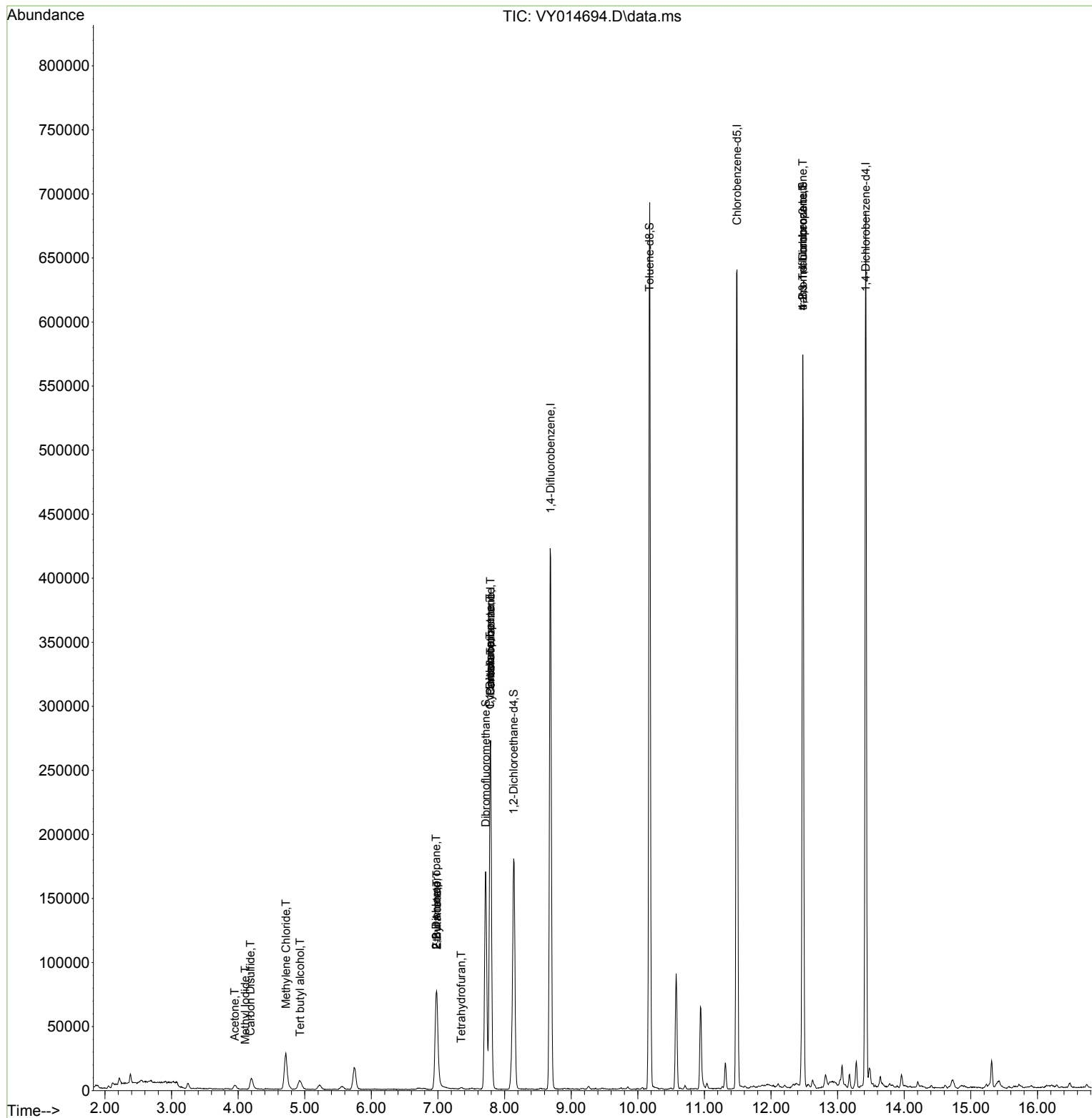
Internal Standards						
1) Pentafluorobenzene	7.789	168	214748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	375517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	354180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	170766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	133823	54.686	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.380%	
35) Dibromofluoromethane	7.716	113	119580	50.024	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.040%	
50) Toluene-d8	10.179	98	446516	50.665	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.340%	
62) 4-Bromofluorobenzene	12.477	95	170091	50.334	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.660%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	134	2.423	ug/l #	56
11) Tert butyl alcohol	4.930	59	8046	4.163	ug/l #	95
16) Acetone	3.948	43	6530	8.421	ug/l	99
17) Carbon Disulfide	4.186	76	9105	1.504	ug/l #	88
20) Methylene Chloride	4.716	84	20643	4.338	ug/l	92
25) 2-Butanone	6.984	43	6602	5.819	ug/l	91
26) 2,2-Dichloropropane	6.972	77	6055	1.455	ug/l #	54
29) Tetrahydrofuran	7.350	42	975	1.396	ug/l #	73
31) Cyclohexane	7.783	56	4476	1.102	ug/l #	7
36) 1,1-Dichloropropene	7.783	75	16676	4.665	ug/l #	50
37) Ethyl Acetate	6.984	43	6602	2.682	ug/l #	24
38) Carbon Tetrachloride	7.789	117	21417	5.667	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	89818	41.646	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	89818	80.633	ug/l #	11

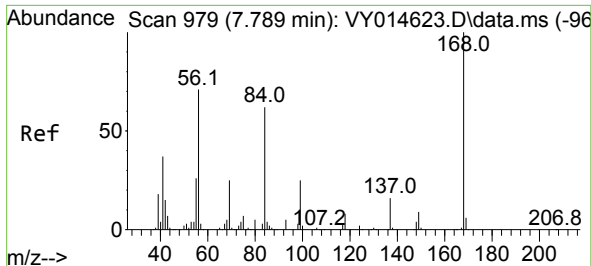
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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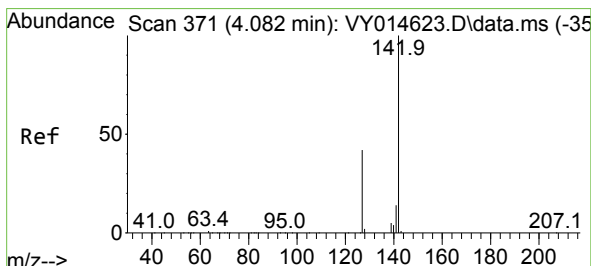
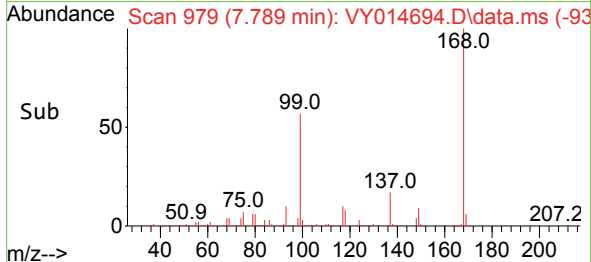
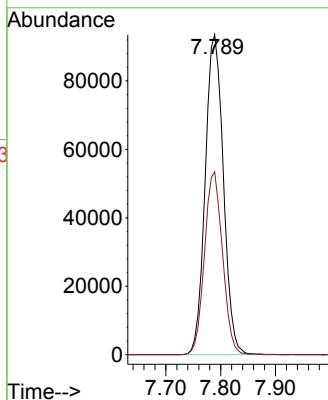
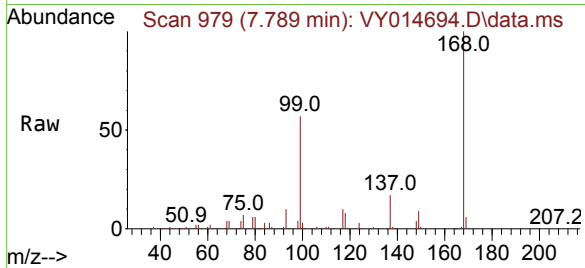




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014694.D
Acq: 18 Jul 2023 12:11

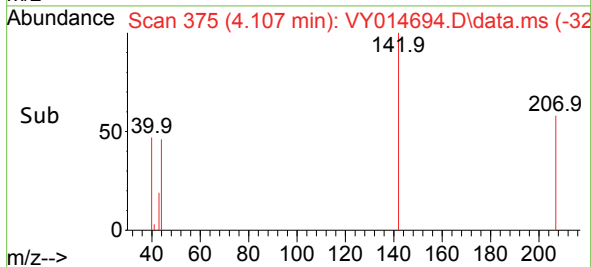
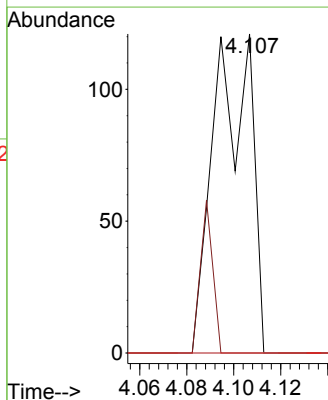
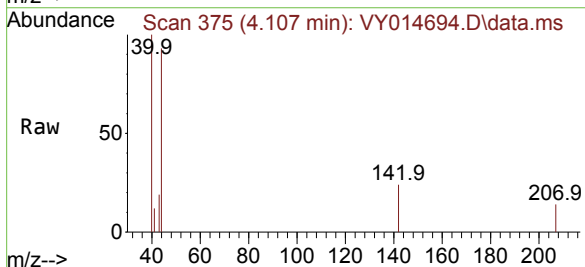
Instrument :
MSVOA_Y
ClientSampleId :
TP21

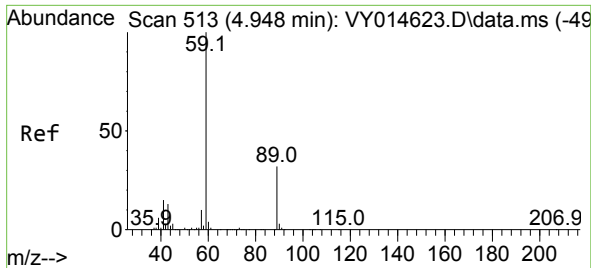
Tgt Ion:168 Resp: 214748
Ion Ratio Lower Upper
168 100
99 57.2 43.4 65.0



#10
Methyl Iodide
Concen: 2.423 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.025 min
Lab File: VY014694.D
Acq: 18 Jul 2023 12:11

Tgt Ion:142 Resp: 134
Ion Ratio Lower Upper
142 100
127 15.7 37.6 56.4#
141 0.0 11.8 17.8#

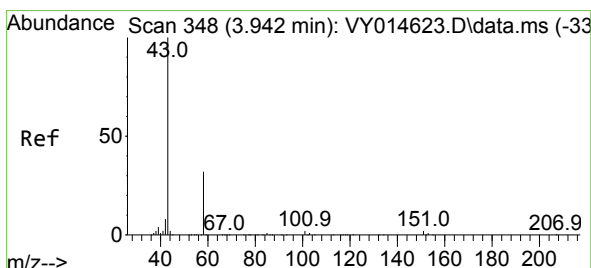
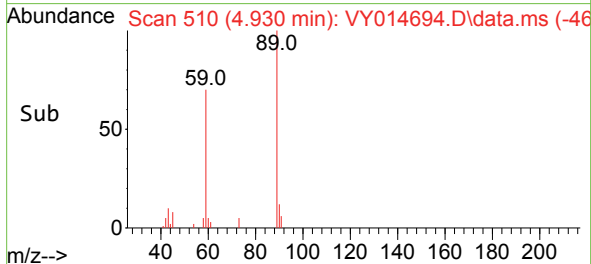
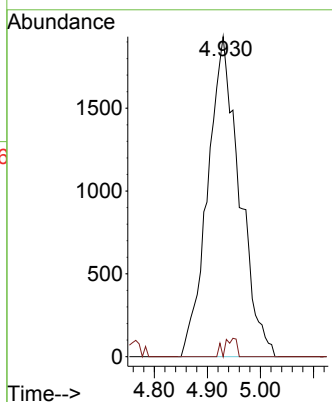
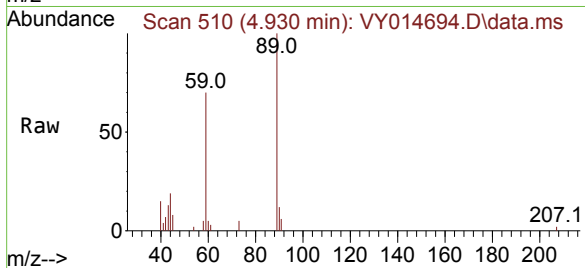




#11
Tert butyl alcohol
Concen: 4.163 ug/l
RT: 4.930 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY014694.D
Acq: 18 Jul 2023 12:11

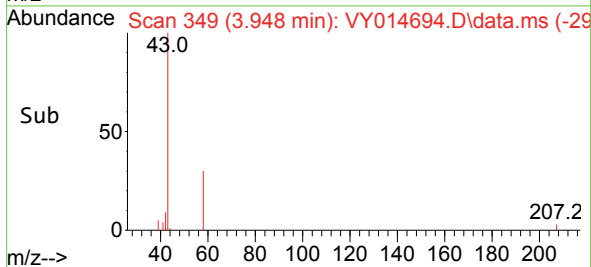
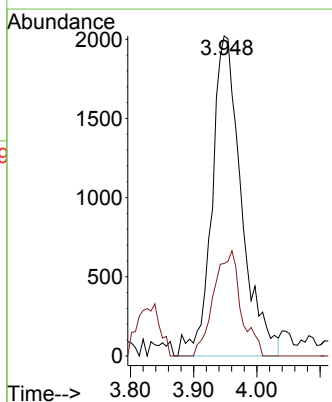
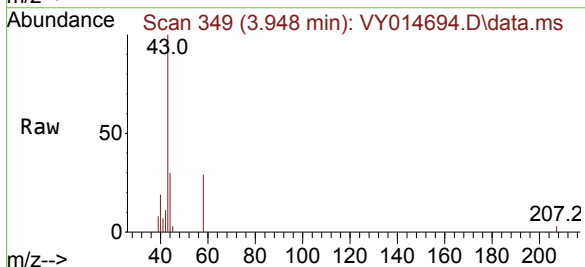
Instrument :
MSVOA_Y
ClientSampleId :
TP21

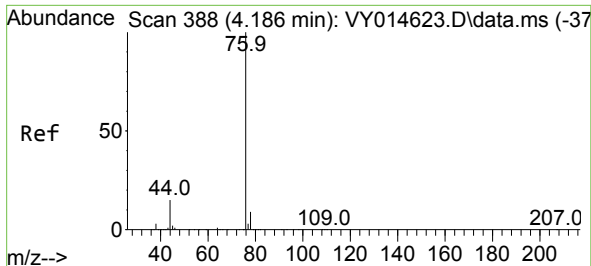
Tgt Ion: 59 Resp: 8046
Ion Ratio Lower Upper
59 100
57 2.2 3.0 4.4#



#16
Acetone
Concen: 8.421 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY014694.D
Acq: 18 Jul 2023 12:11

Tgt Ion: 43 Resp: 6530
Ion Ratio Lower Upper
43 100
58 28.9 22.7 34.1

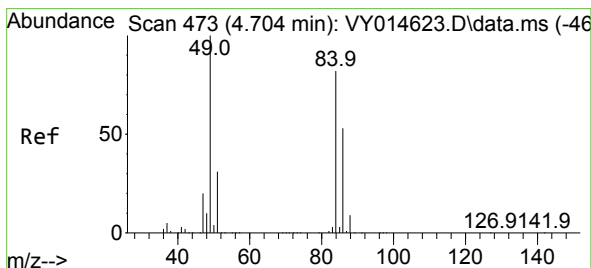
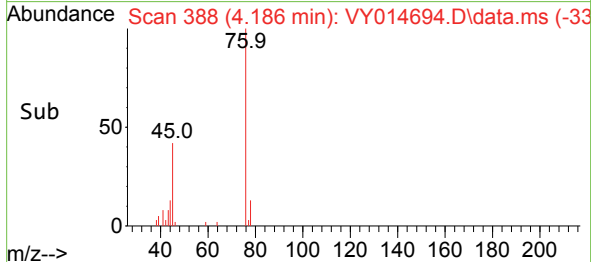
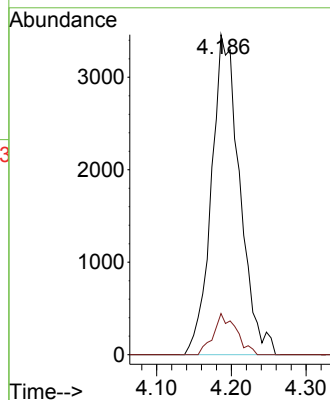
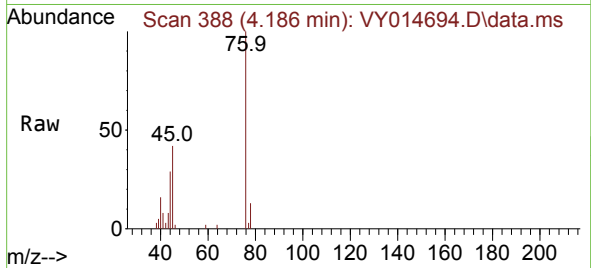




#17
Carbon Disulfide
Concen: 1.504 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY014694.D
Acq: 18 Jul 2023 12:11

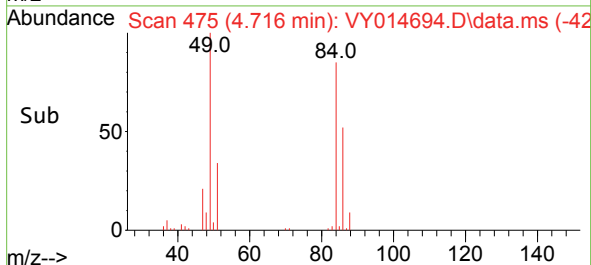
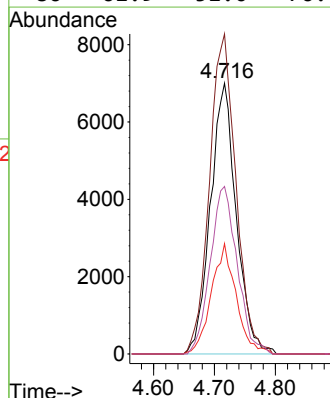
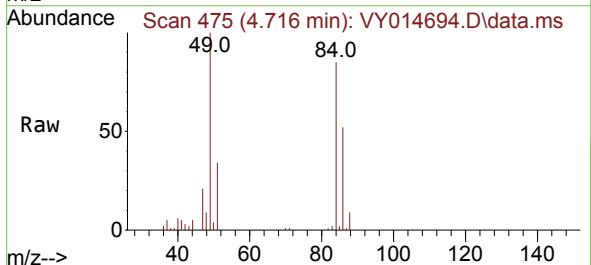
Instrument :
MSVOA_Y
ClientSampleId :
TP21

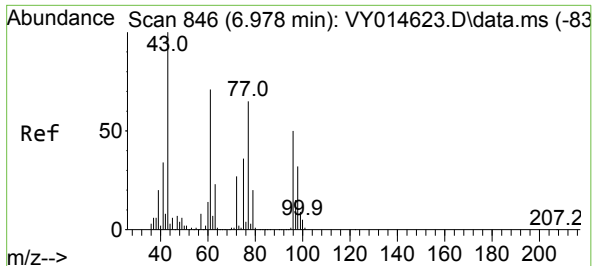
Tgt Ion: 76 Resp: 9105
Ion Ratio Lower Upper
76 100
78 12.8 7.0 10.4#



#20
Methylene Chloride
Concen: 4.338 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY014694.D
Acq: 18 Jul 2023 12:11

Tgt Ion: 84 Resp: 20643
Ion Ratio Lower Upper
84 100
49 118.2 106.9 160.3
51 40.7 33.2 49.8
86 61.9 51.0 76.6

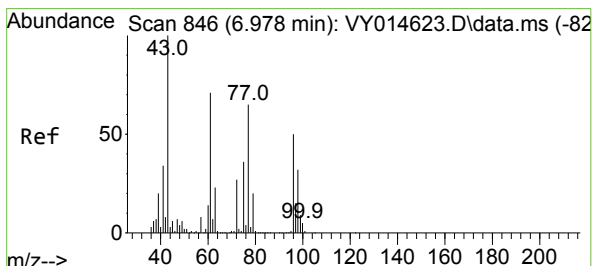
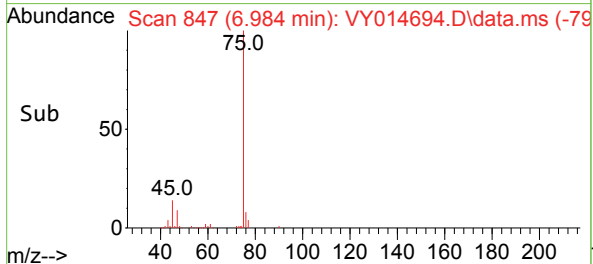
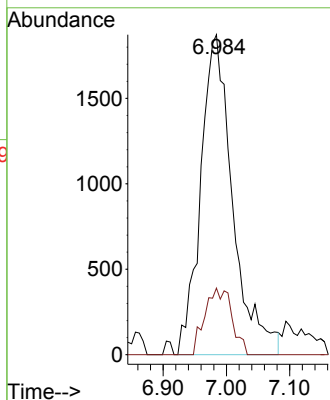
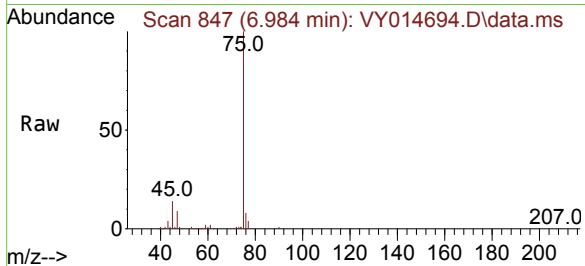




#25
2-Butanone
Concen: 5.819 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014694.D
Acq: 18 Jul 2023 12:11

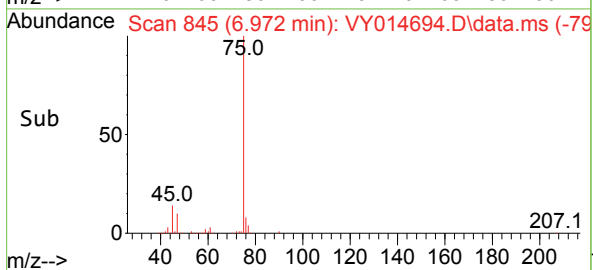
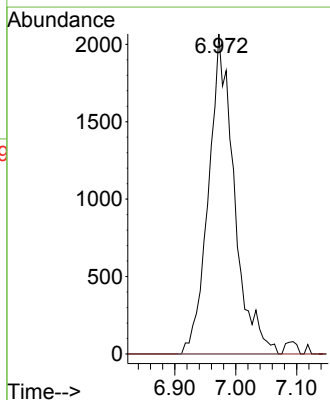
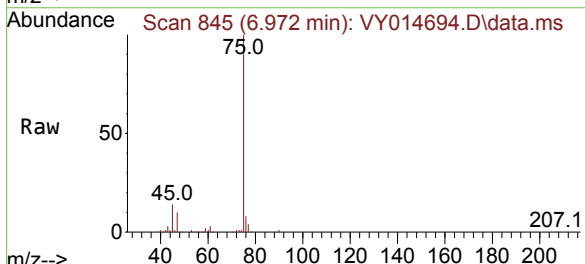
Instrument :
MSVOA_Y
ClientSampleId :
TP21

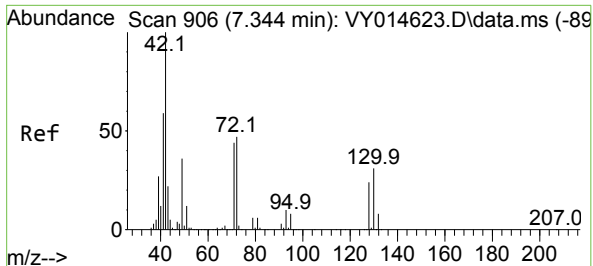
Tgt Ion: 43 Resp: 6602
Ion Ratio Lower Upper
43 100
72 20.8 20.5 30.7



#26
2,2-Dichloropropane
Concen: 1.455 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014694.D
Acq: 18 Jul 2023 12:11

Tgt Ion: 77 Resp: 6055
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.396 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY014694.D

Acq: 18 Jul 2023 12:11

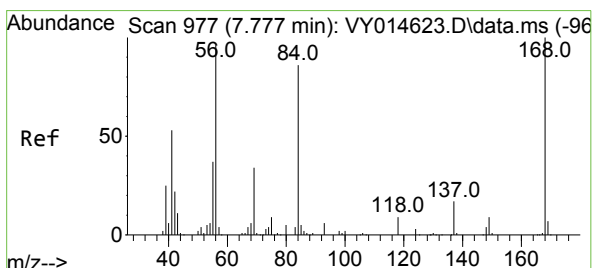
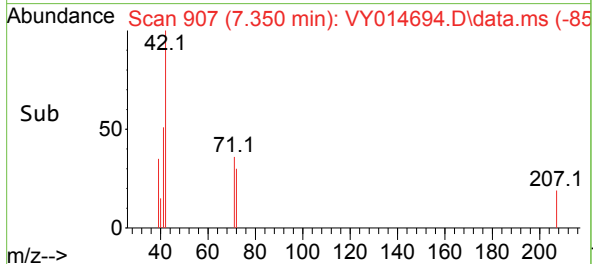
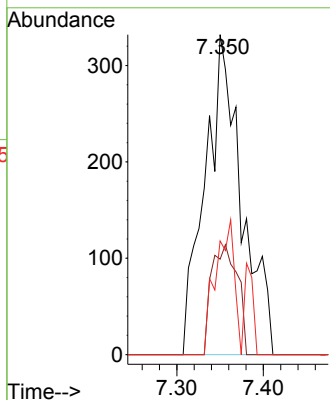
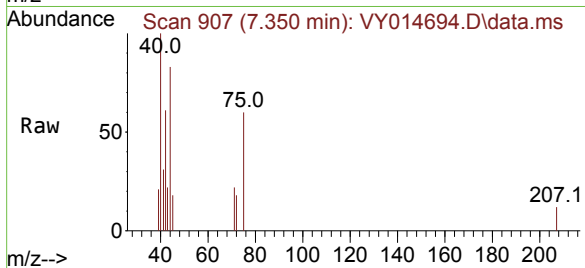
Instrument :

MSVOA_Y

ClientSampleId :

TP21

Tgt Ion:	42	Resp:	975
Ion	Ratio	Lower	Upper
42	100		
72	24.3	32.8	49.2#
71	21.6	31.0	46.4#



#31

Cyclohexane

Concen: 1.102 ug/l

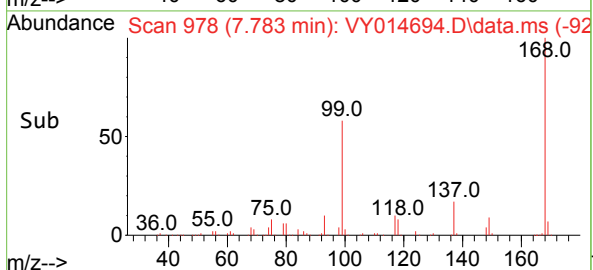
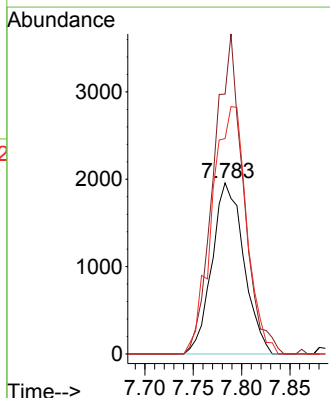
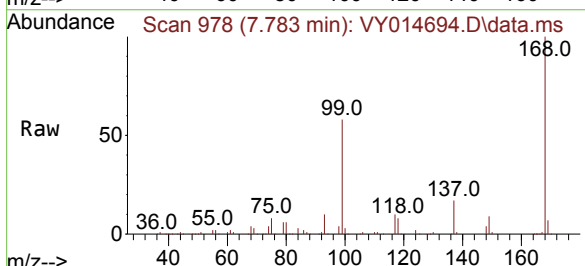
RT: 7.783 min Scan# 978

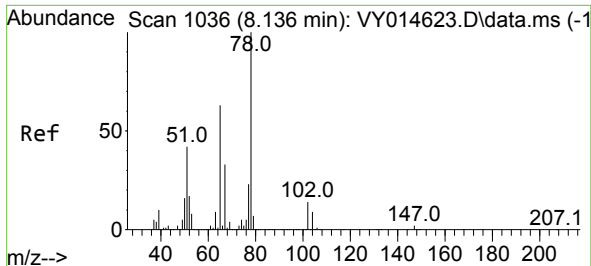
Delta R.T. 0.006 min

Lab File: VY014694.D

Acq: 18 Jul 2023 12:11

Tgt Ion:	56	Resp:	4476
Ion	Ratio	Lower	Upper
56	100		
69	151.9	27.8	41.6#
84	125.9	66.4	99.6#

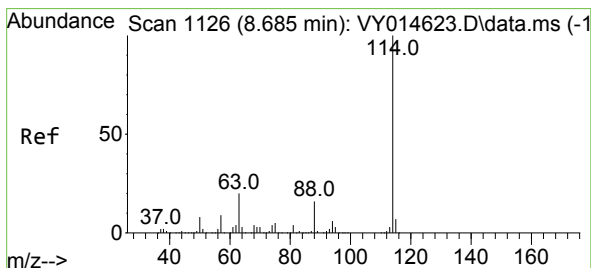
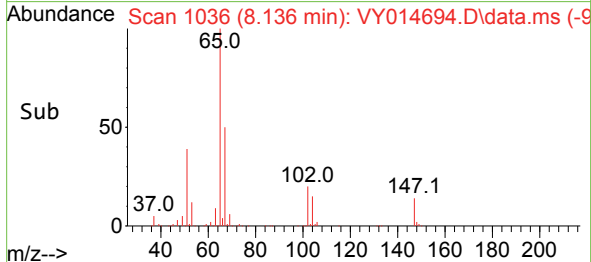
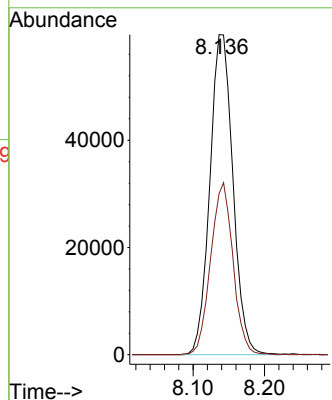
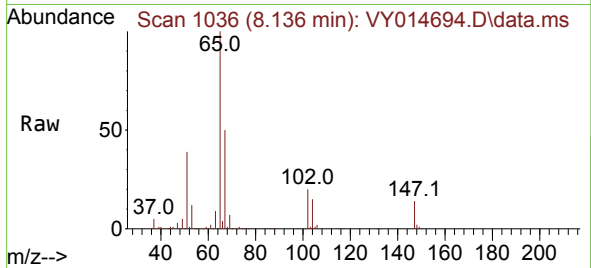




#33
 1,2-Dichloroethane-d4
 Concen: 54.686 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014694.D
 Acq: 18 Jul 2023 12:11

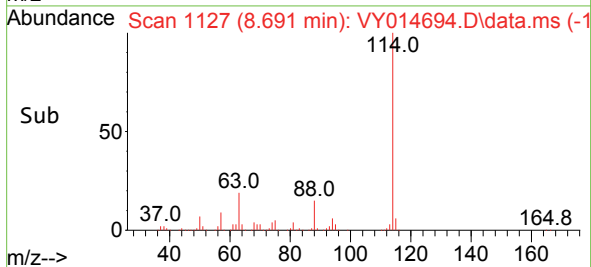
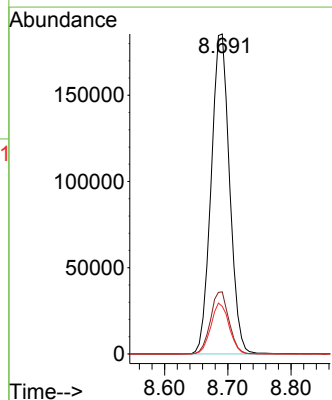
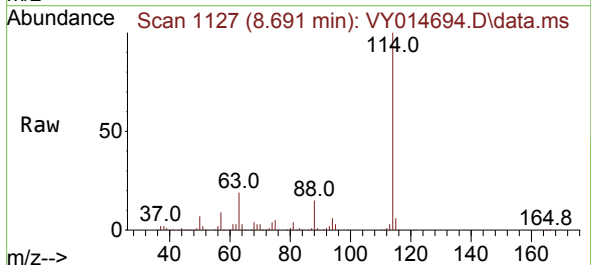
Instrument :
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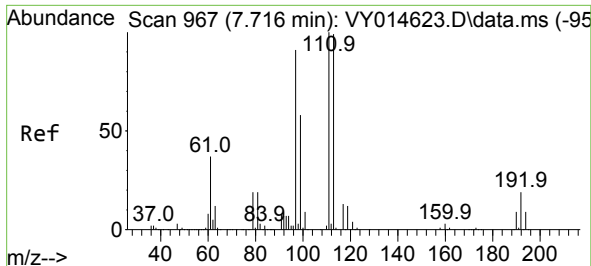
Tgt Ion: 65 Resp: 133823
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY014694.D
 Acq: 18 Jul 2023 12:11

Tgt Ion: 114 Resp: 375517
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.4
 88 14.9 0.0 30.6

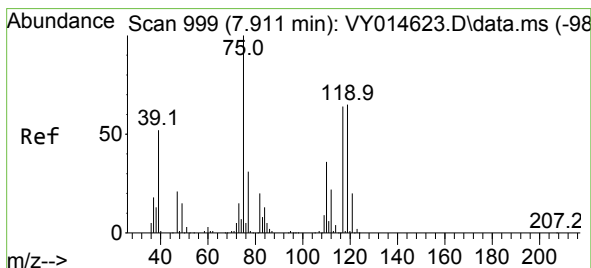
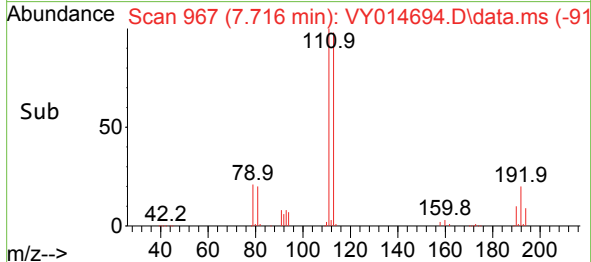
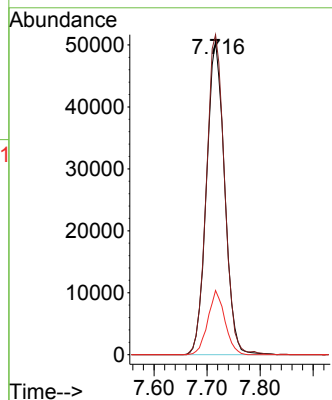
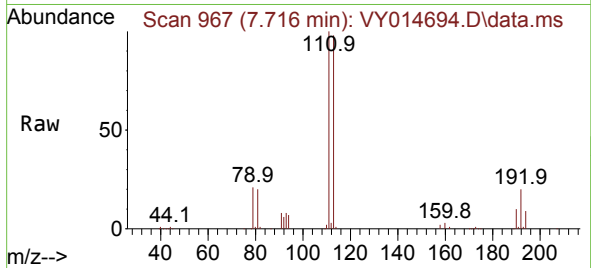




#35
Dibromofluoromethane
Concen: 50.024 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014694.D
Acq: 18 Jul 2023 12:11

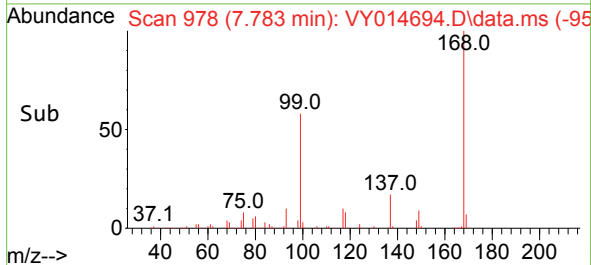
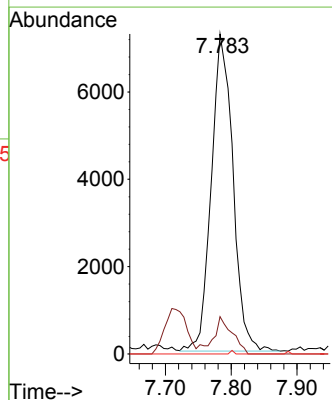
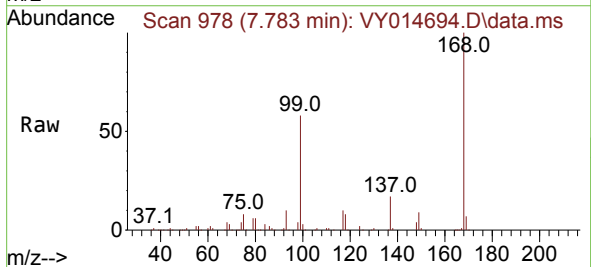
Instrument :
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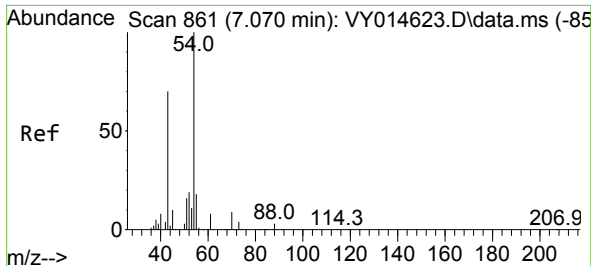
Tgt Ion:113 Resp: 119580
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.665 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014694.D
Acq: 18 Jul 2023 12:11

Tgt Ion: 75 Resp: 16676
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.5#
77 0.2 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.682 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY014694.D

Acq: 18 Jul 2023 12:11

Instrument :

MSVOA_Y

ClientSampleId :

TP21

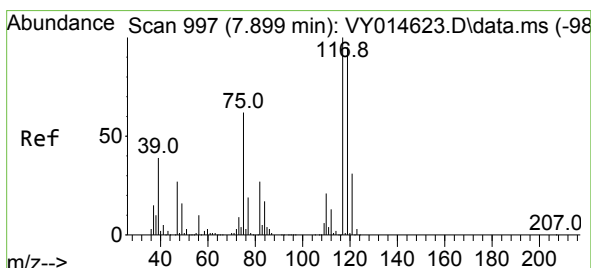
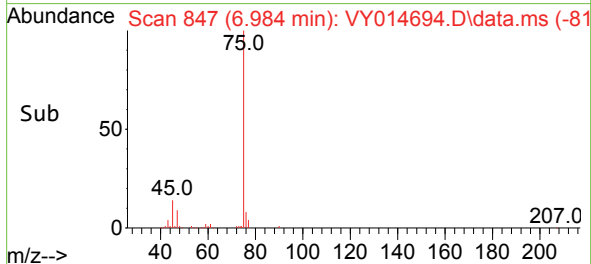
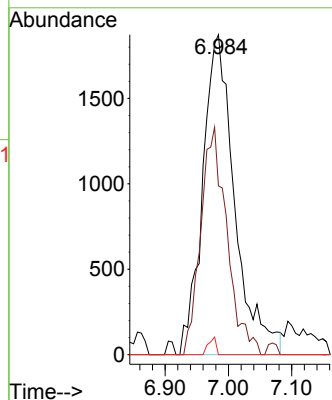
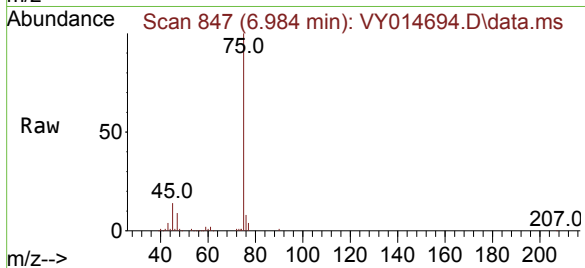
Tgt Ion: 43 Resp: 6602

Ion Ratio Lower Upper

43 100

61 58.1 10.1 15.1#

70 1.3 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.667 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY014694.D

Acq: 18 Jul 2023 12:11

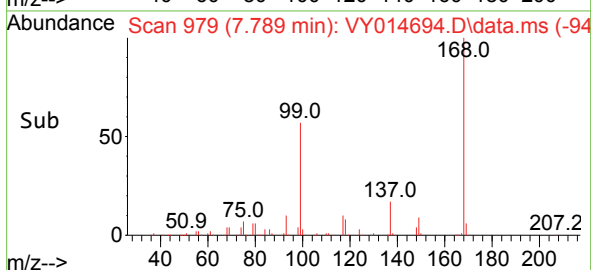
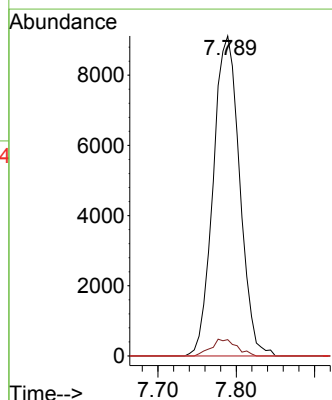
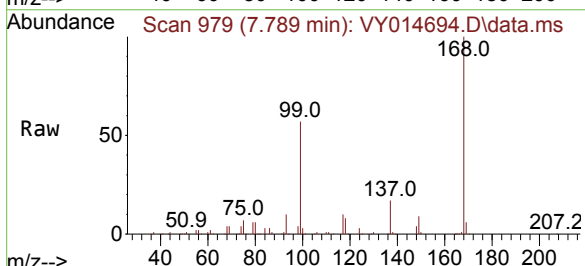
Tgt Ion: 117 Resp: 21417

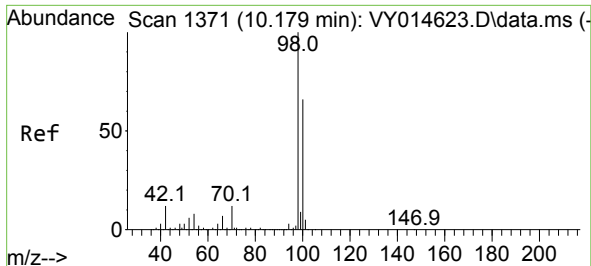
Ion Ratio Lower Upper

117 100

119 5.1 76.4 114.6#

121 0.0 25.8 38.6#

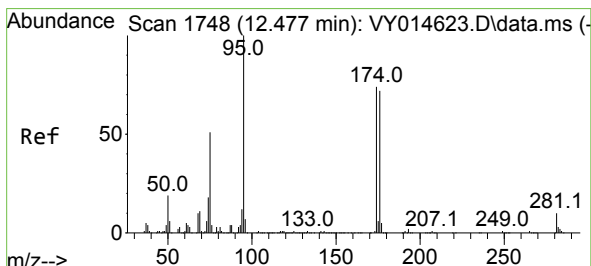
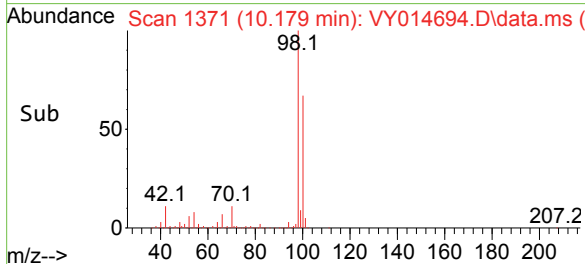
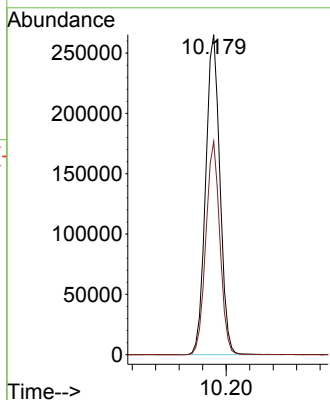
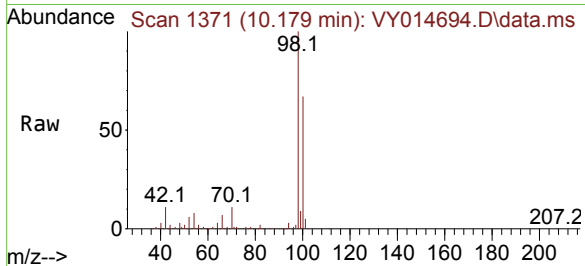




#50
Toluene-d8
Concen: 50.665 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014694.D
Acq: 18 Jul 2023 12:11

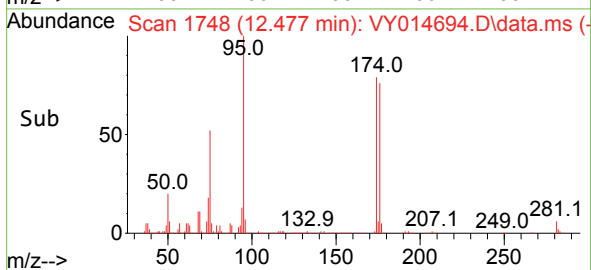
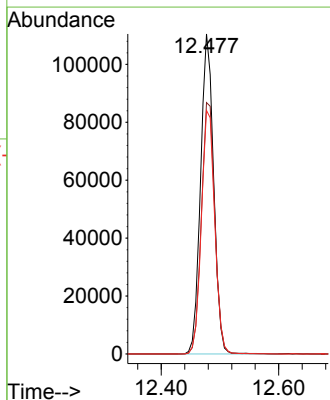
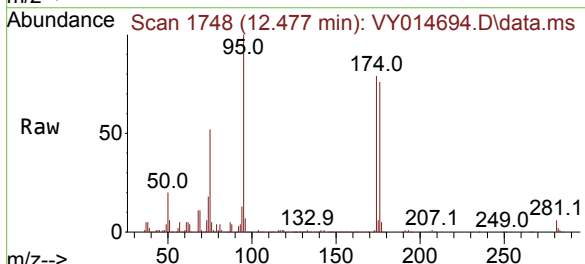
Instrument :
MSVOA_Y
ClientSampleId :
TP21

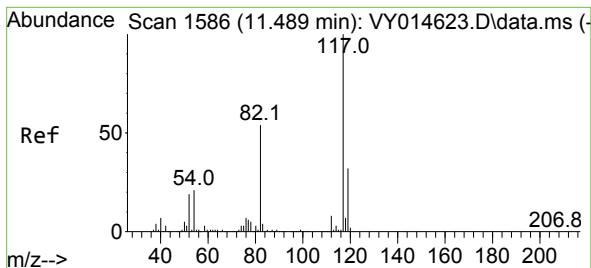
Tgt Ion: 98 Resp: 446516
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.334 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014694.D
Acq: 18 Jul 2023 12:11

Tgt Ion: 95 Resp: 170091
Ion Ratio Lower Upper
95 100
174 80.9 0.0 178.2
176 78.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014694.D

Acq: 18 Jul 2023 12:11

Instrument :

MSVOA_Y

ClientSampleId :

TP21

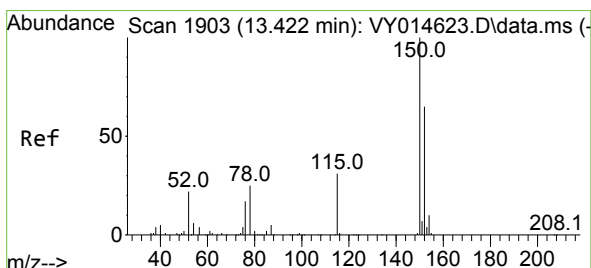
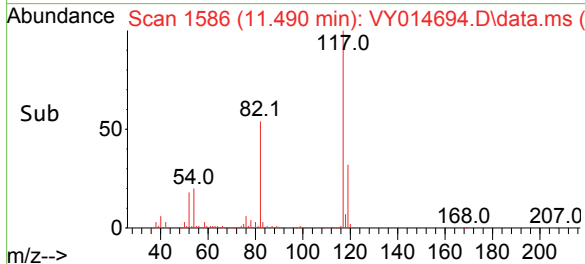
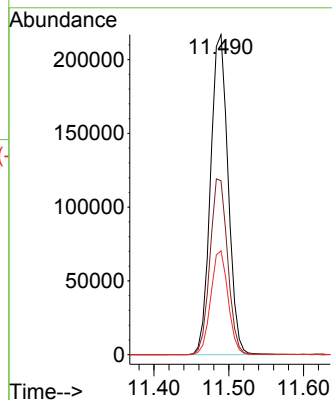
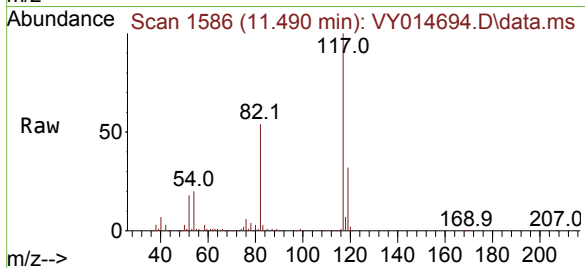
Tgt Ion:117 Resp: 354180

Ion Ratio Lower Upper

117 100

82 54.4 43.4 65.0

119 32.4 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: VY014694.D

Acq: 18 Jul 2023 12:11

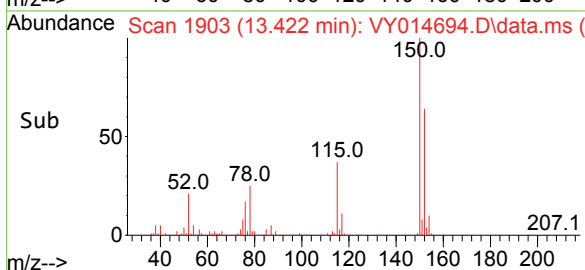
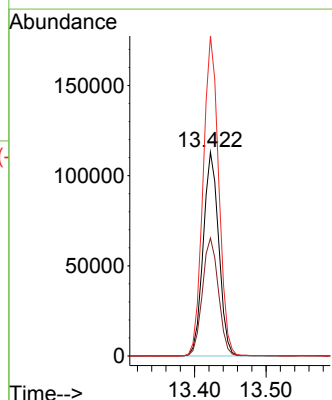
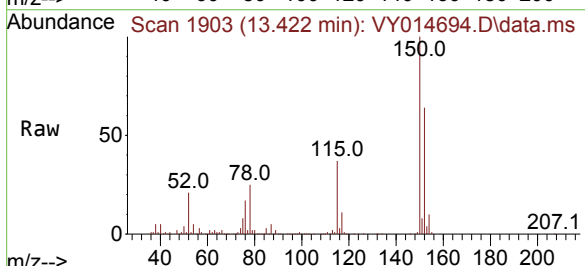
Tgt Ion:152 Resp: 170766

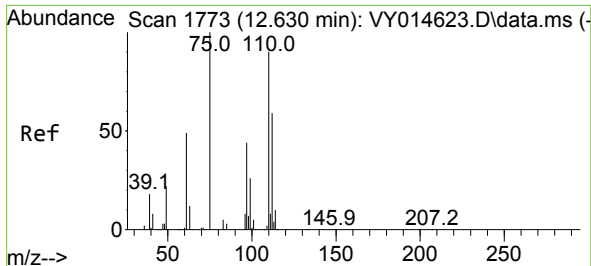
Ion Ratio Lower Upper

152 100

115 59.5 28.8 86.5

150 158.0 0.0 348.8

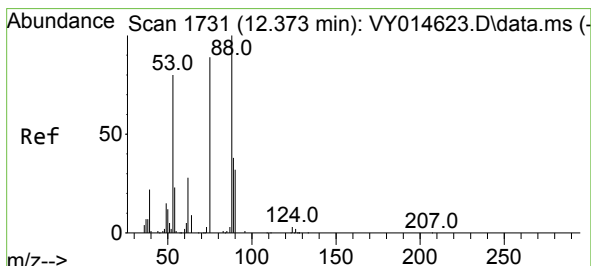
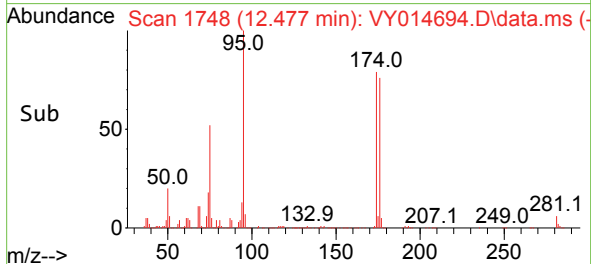
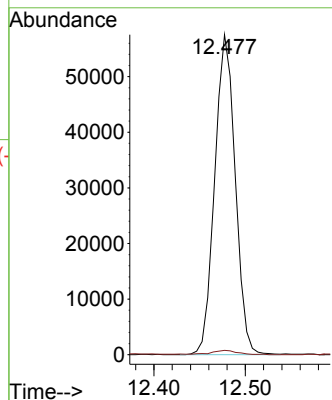
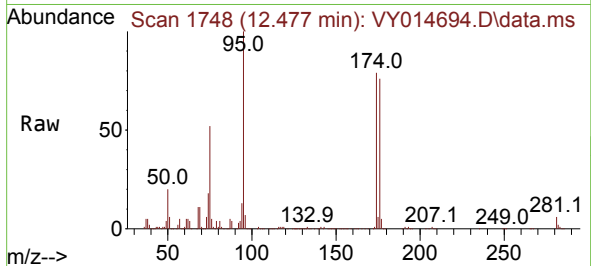




#76
1,2,3-Trichloropropane
Concen: 41.646 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014694.D
Acq: 18 Jul 2023 12:11

Instrument :
MSVOA_Y
ClientSampleId :
TP21

Tgt Ion: 75 Resp: 89818
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.633 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014694.D
Acq: 18 Jul 2023 12:11

Tgt Ion: 75 Resp: 89818
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.0 37.4 56.0#

