

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014803.D
 Acq On : 25 Jul 2023 15:46
 Operator : SY/MD
 Sample : 03742-04
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P33A

Quant Time: Jul 26 01:19:30 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)

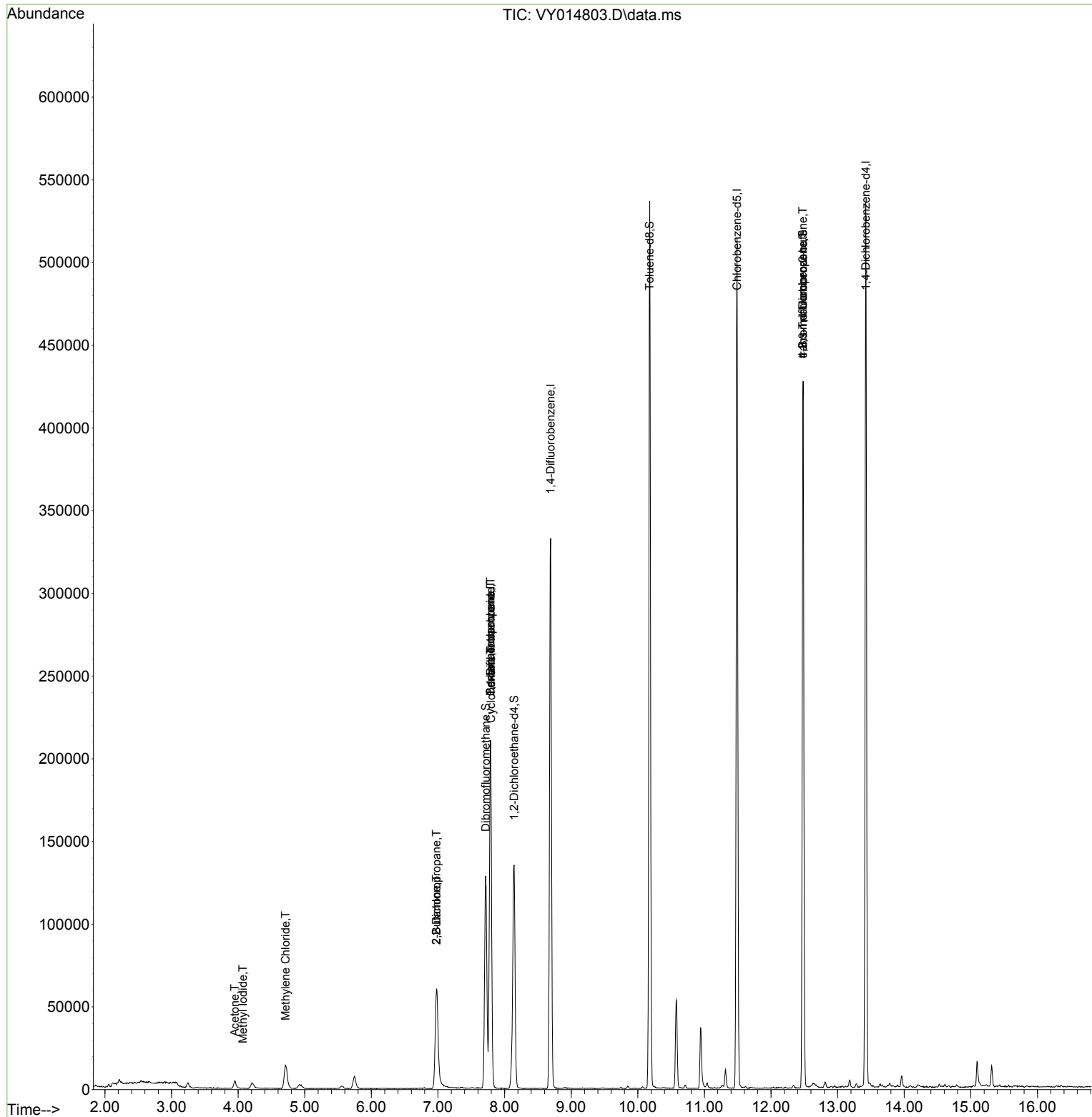
Internal Standards						
1) Pentafluorobenzene	7.789	168	163641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	290000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	278227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	104263	55.912	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.820%
35) Dibromofluoromethane	7.716	113	91992	49.831	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.660%
50) Toluene-d8	10.179	98	343397	50.455	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.900%
62) 4-Bromofluorobenzene	12.477	95	128137	49.100	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.200%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.070	142	23	2.381	ug/l #	38
11) Tert butyl alcohol	4.930	59	1969	Below Cal	#	89
16) Acetone	3.948	43	7331	12.406	ug/l #	75
20) Methylene Chloride	4.710	84	10807	1.537	ug/l	84
25) 2-Butanone	6.978	43	4065	4.702	ug/l #	68
26) 2,2-Dichloropropane	6.978	77	4899	1.544	ug/l #	54
31) Cyclohexane	7.795	56	3525	1.139	ug/l #	11
36) 1,1-Dichloropropene	7.789	75	12811	4.640	ug/l #	50
38) Carbon Tetrachloride	7.789	117	16497	5.653	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	67862	40.924	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	67862	79.236	ug/l #	11

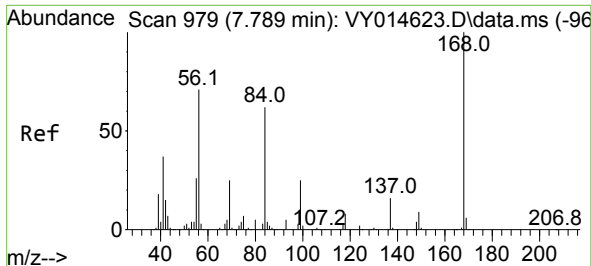
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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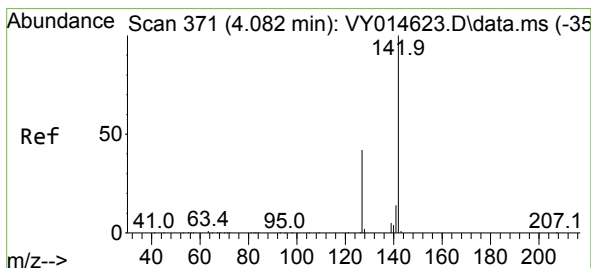
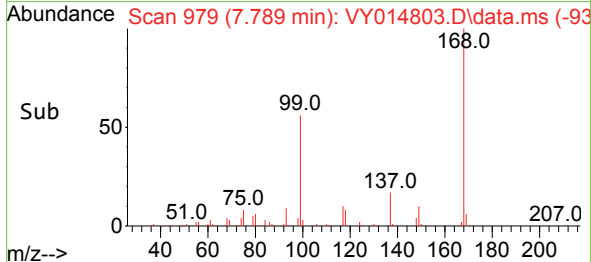
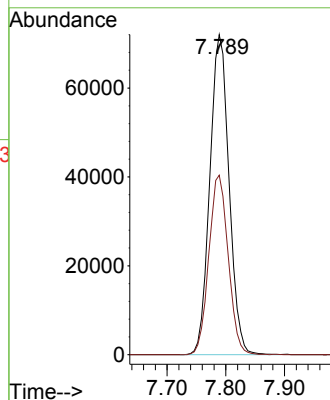
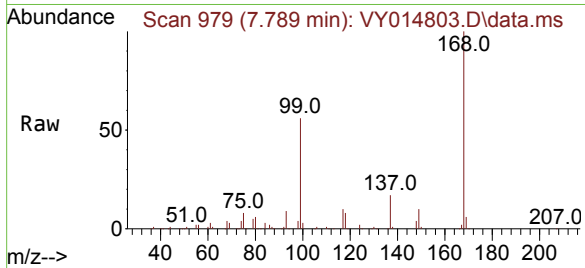




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014803.D
Acq: 25 Jul 2023 15:46

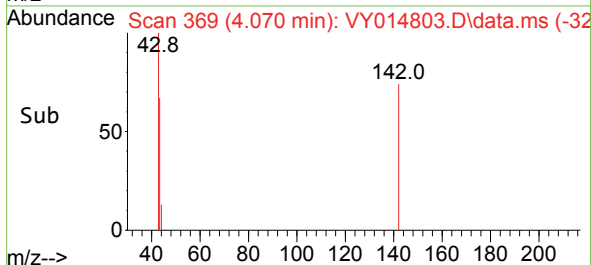
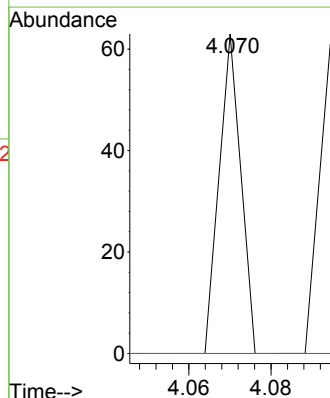
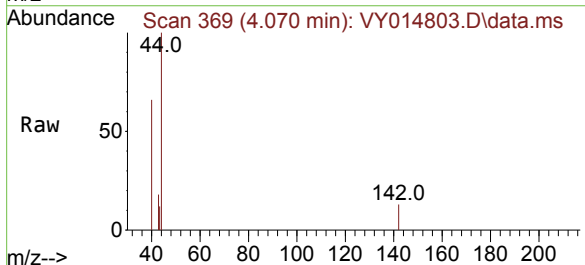
Instrument :
MSVOA_Y
ClientSampleId :
B-P33A

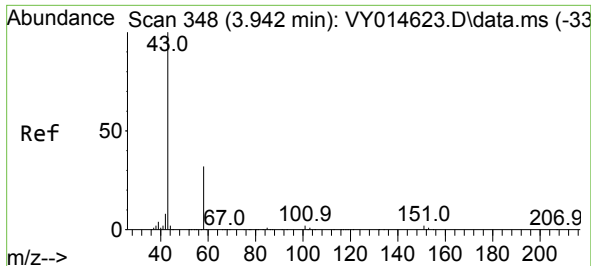
Tgt Ion:168 Resp: 163641
Ion Ratio Lower Upper
168 100
99 56.1 43.4 65.0



#10
Methyl Iodide
Concen: 2.381 ug/l
RT: 4.070 min Scan# 369
Delta R.T. -0.012 min
Lab File: VY014803.D
Acq: 25 Jul 2023 15:46

Tgt Ion:142 Resp: 23
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

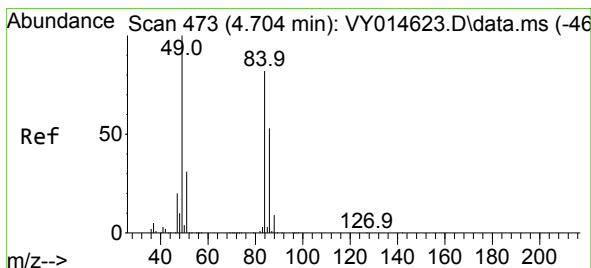
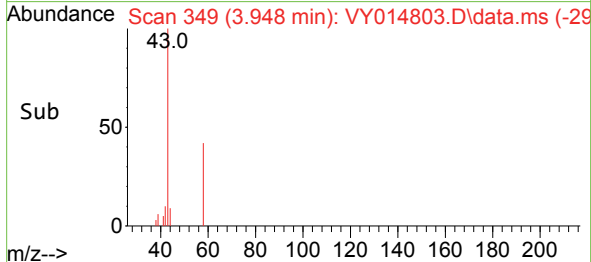
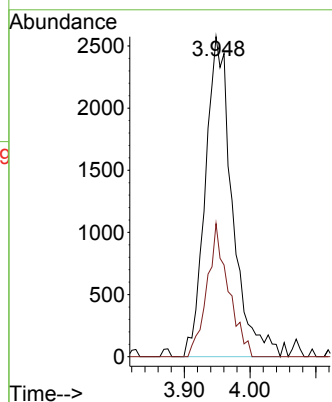
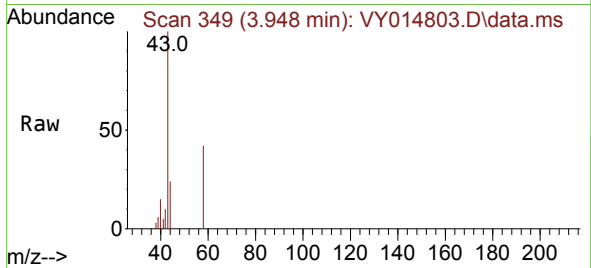




#16
Acetone
Concen: 12.406 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014803.D
Acq: 25 Jul 2023 15:46

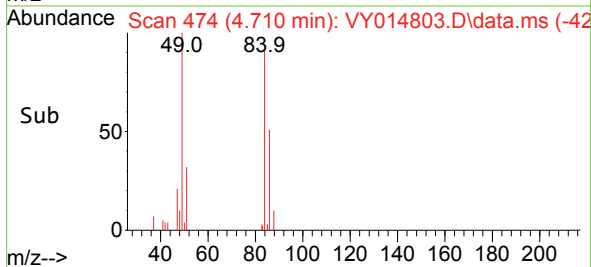
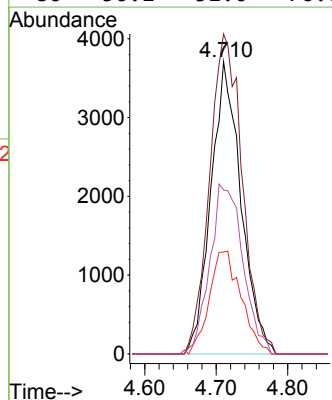
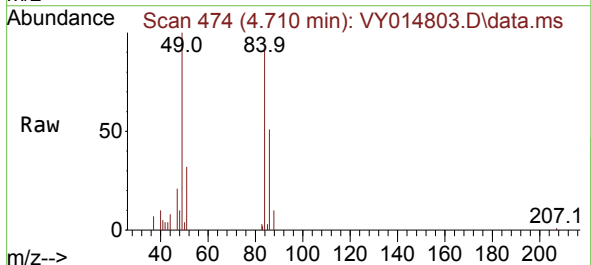
Instrument :
MSVOA_Y
ClientSampleId :
B-P33A

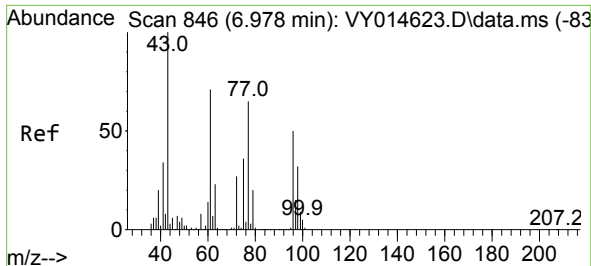
Tgt Ion: 43 Resp: 7331
Ion Ratio Lower Upper
43 100
58 41.6 22.7 34.1#



#20
Methylene Chloride
Concen: 1.537 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014803.D
Acq: 25 Jul 2023 15:46

Tgt Ion: 84 Resp: 10807
Ion Ratio Lower Upper
84 100
49 109.4 106.9 160.3
51 34.9 33.2 49.8
86 56.1 51.0 76.6

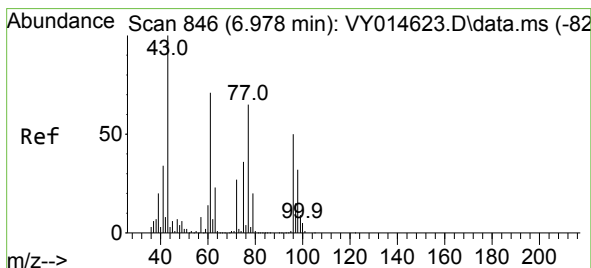
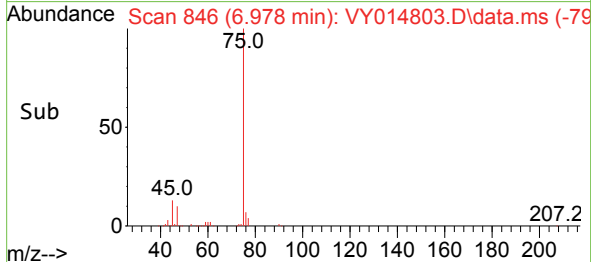
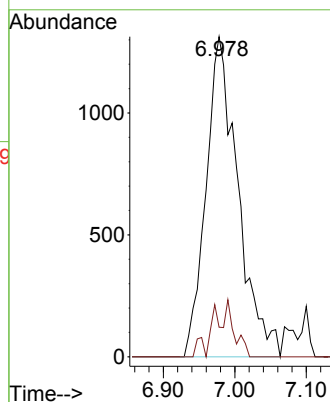
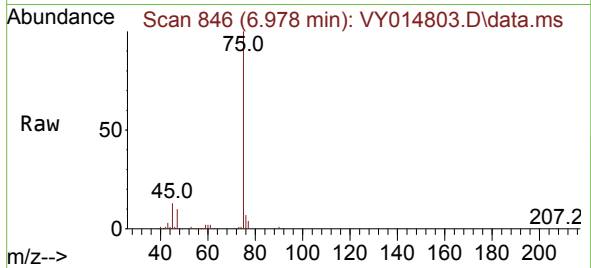




#25
2-Butanone
Concen: 4.702 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014803.D
Acq: 25 Jul 2023 15:46

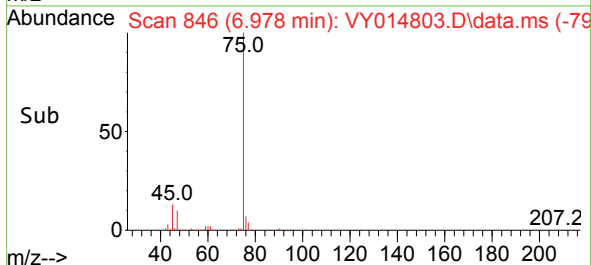
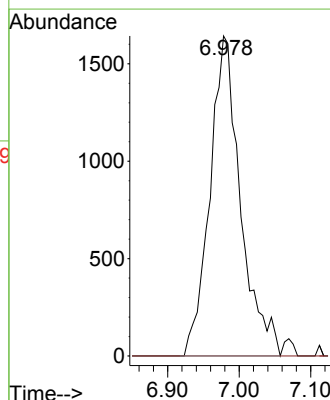
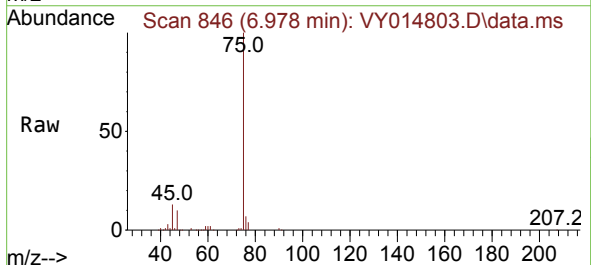
Instrument :
MSVOA_Y
ClientSampleId :
B-P33A

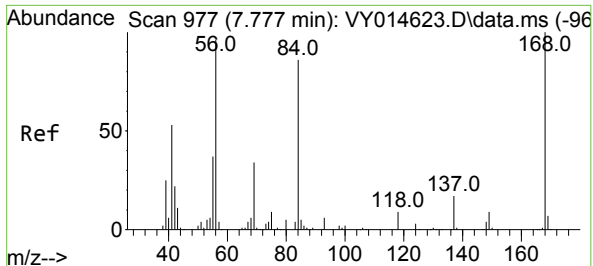
Tgt Ion: 43 Resp: 4065
Ion Ratio Lower Upper
43 100
72 9.2 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.544 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014803.D
Acq: 25 Jul 2023 15:46

Tgt Ion: 77 Resp: 4899
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

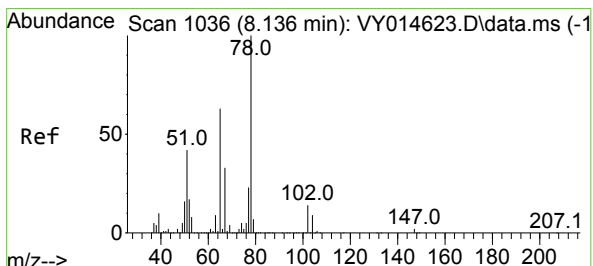
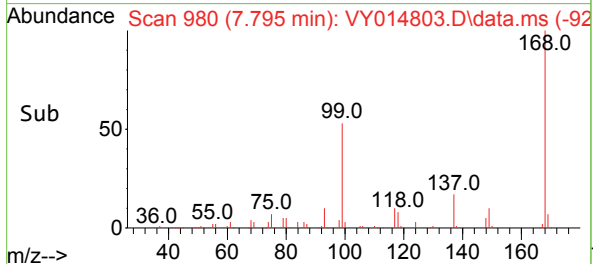
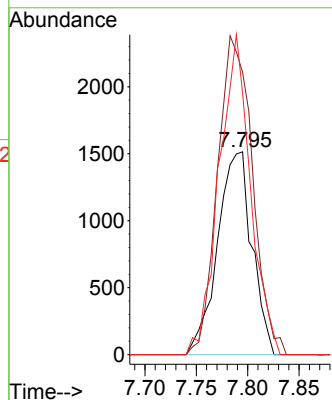
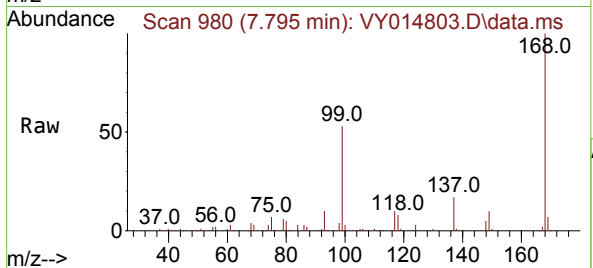




#31
Cyclohexane
Concen: 1.139 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY014803.D
Acq: 25 Jul 2023 15:46

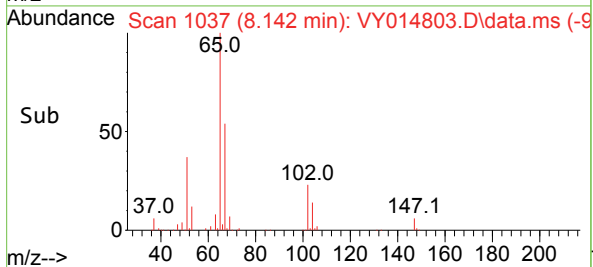
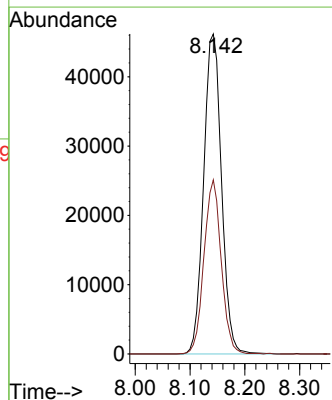
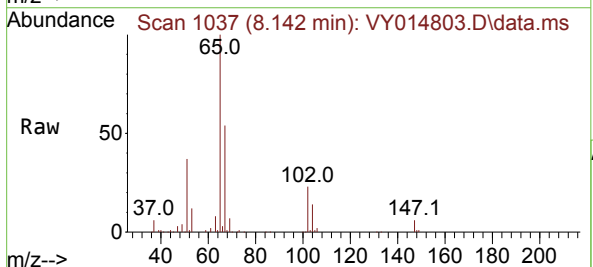
Instrument :
MSVOA_Y
ClientSampleId :
B-P33A

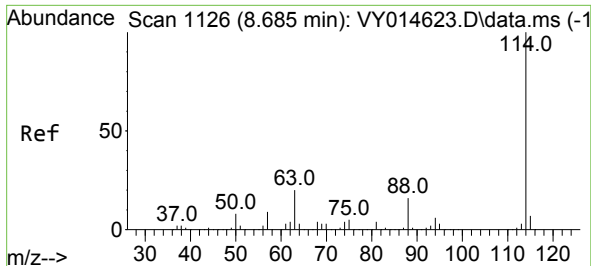
Tgt Ion: 56 Resp: 3525
Ion Ratio Lower Upper
56 100
69 139.2 27.8 41.6#
84 129.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.912 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014803.D
Acq: 25 Jul 2023 15:46

Tgt Ion: 65 Resp: 104263
Ion Ratio Lower Upper
65 100
67 52.7 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: VY014803.D

Acq: 25 Jul 2023 15:46

Instrument :

MSVOA_Y

ClientSampleId :

B-P33A

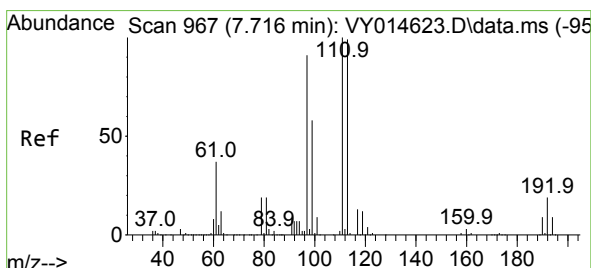
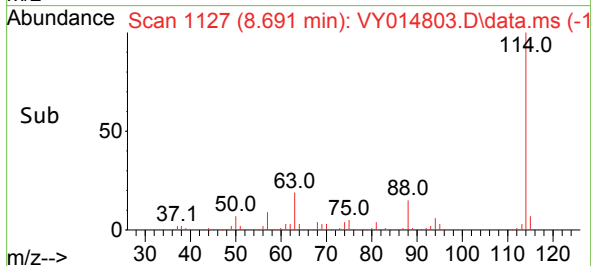
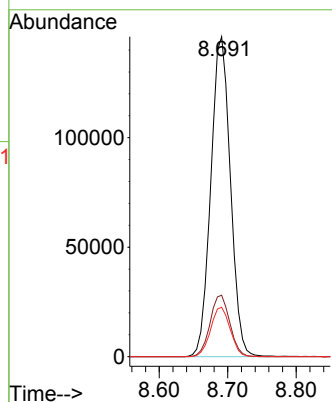
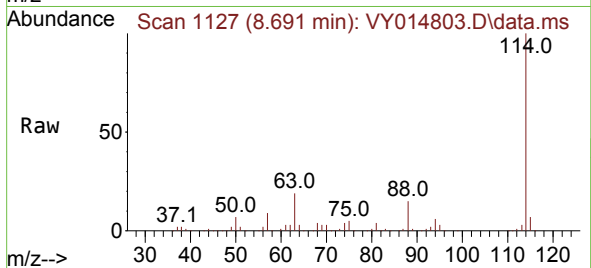
Tgt Ion:114 Resp: 290000

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.831 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014803.D

Acq: 25 Jul 2023 15:46

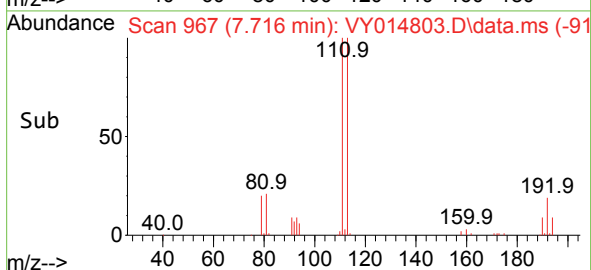
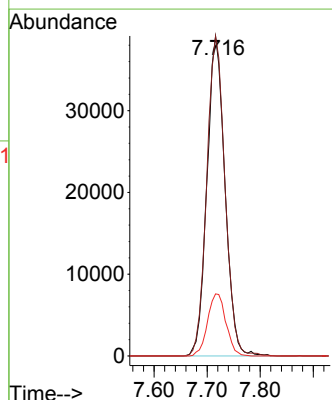
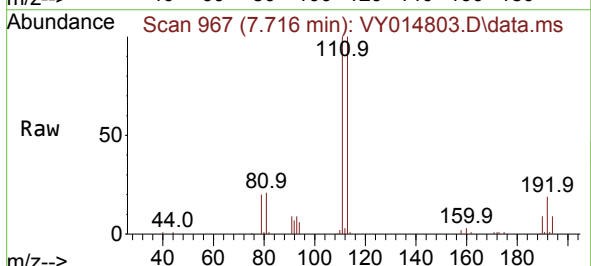
Tgt Ion:113 Resp: 91992

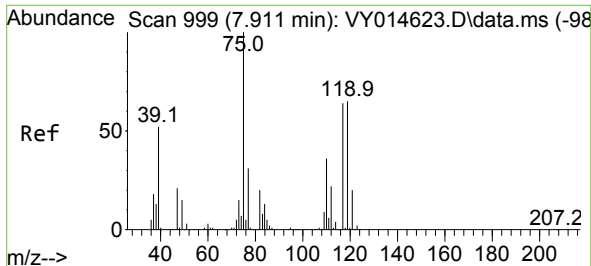
Ion Ratio Lower Upper

113 100

111 101.6 81.3 121.9

192 19.9 16.9 25.3

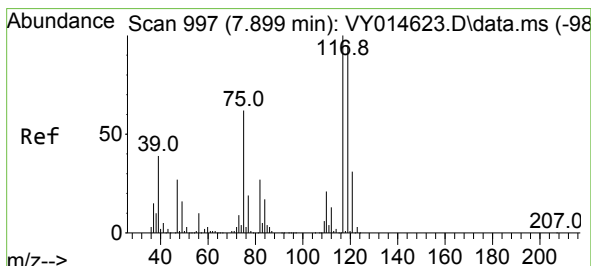
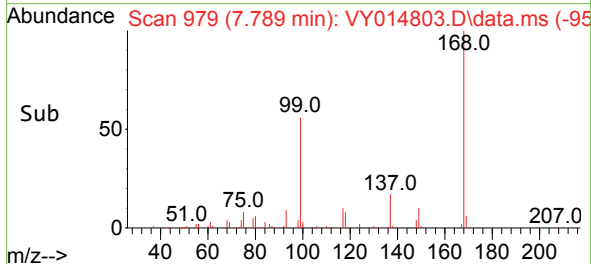
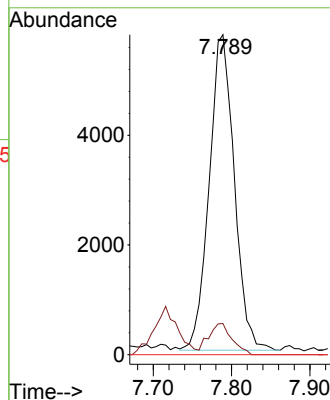
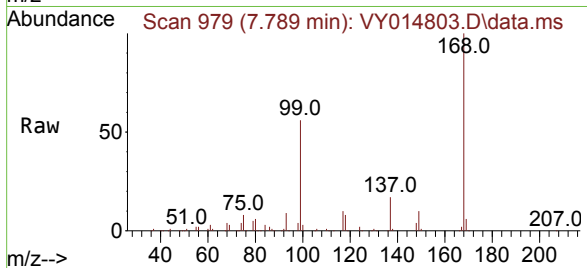




#36
1,1-Dichloropropene
Concen: 4.640 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.122 min
Lab File: VY014803.D
Acq: 25 Jul 2023 15:46

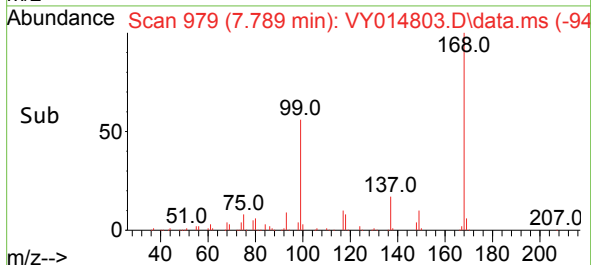
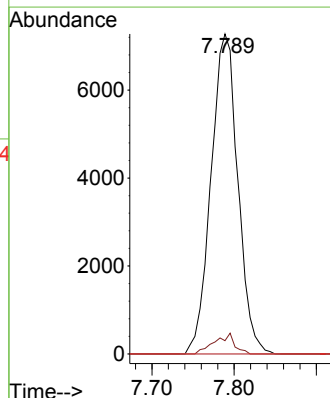
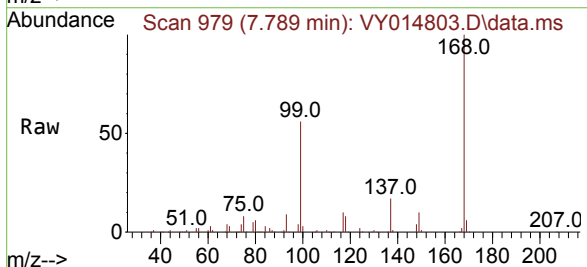
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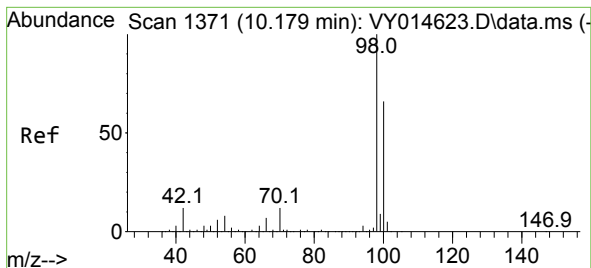
Tgt Ion: 75 Resp: 12811
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.653 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY014803.D
Acq: 25 Jul 2023 15:46

Tgt Ion: 117 Resp: 16497
Ion Ratio Lower Upper
117 100
119 4.1 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.455 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014803.D

Acq: 25 Jul 2023 15:46

Instrument :

MSVOA_Y

ClientSampleId :

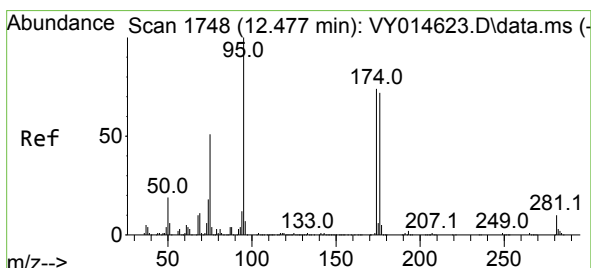
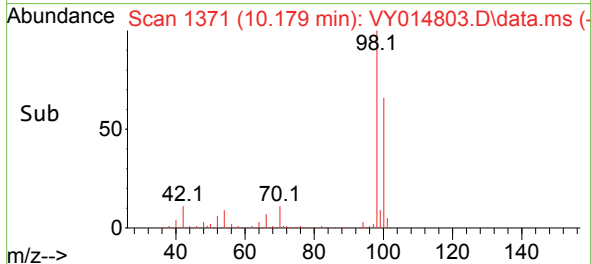
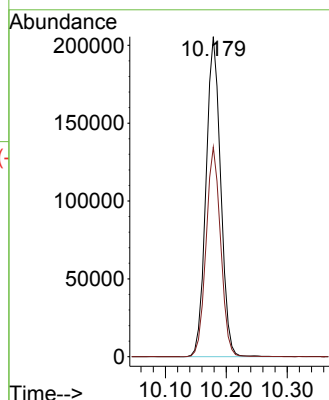
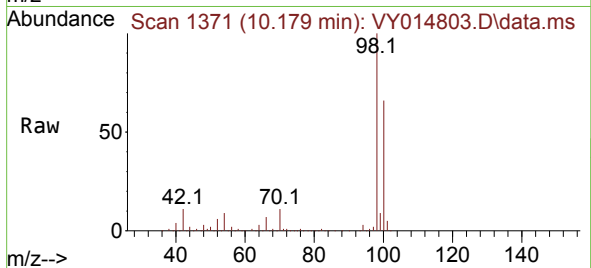
B-P33A

Tgt Ion: 98 Resp: 343397

Ion Ratio Lower Upper

98 100

100 65.0 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 49.100 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014803.D

Acq: 25 Jul 2023 15:46

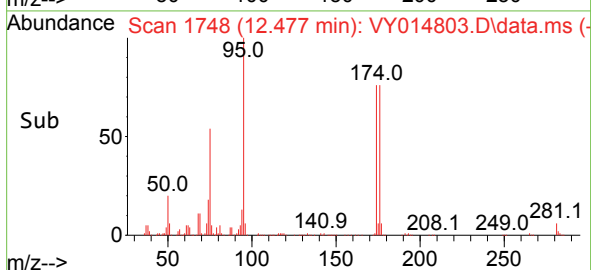
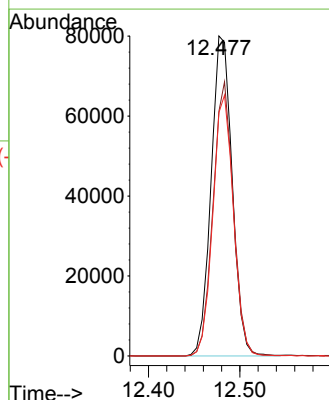
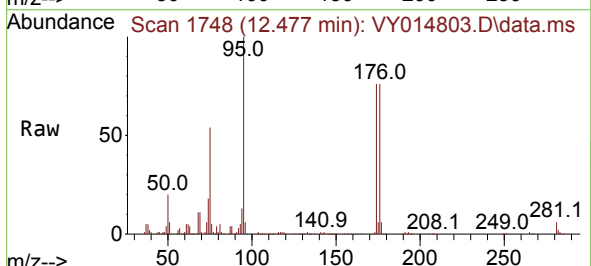
Tgt Ion: 95 Resp: 128137

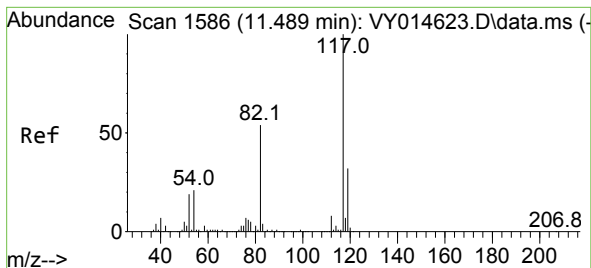
Ion Ratio Lower Upper

95 100

174 82.8 0.0 178.2

176 79.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014803.D

Acq: 25 Jul 2023 15:46

Instrument :

MSVOA_Y

ClientSampleId :

B-P33A

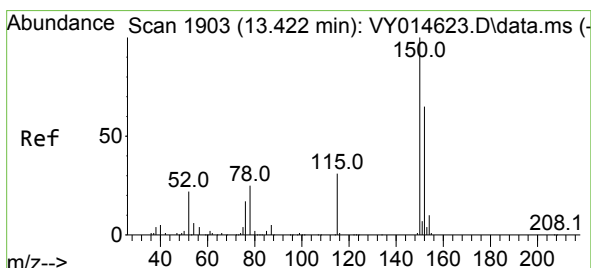
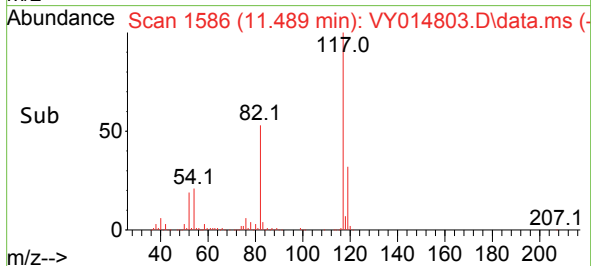
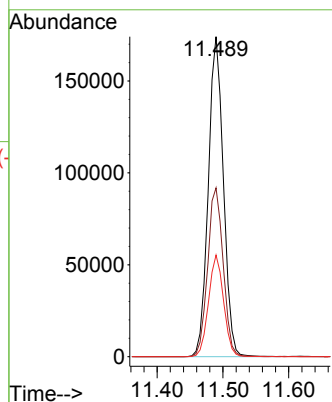
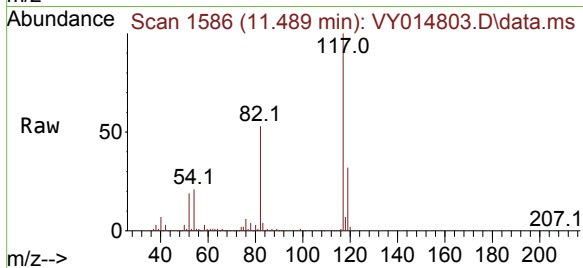
Tgt Ion:117 Resp: 278227

Ion Ratio Lower Upper

117 100

82 52.7 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: VY014803.D

Acq: 25 Jul 2023 15:46

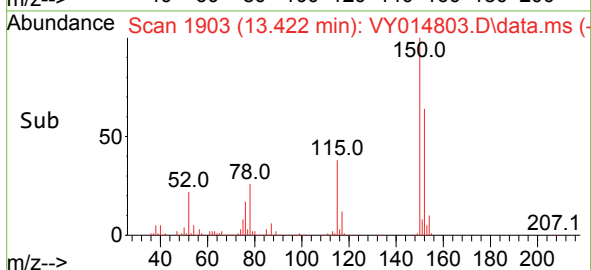
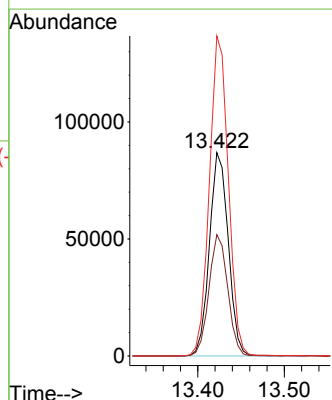
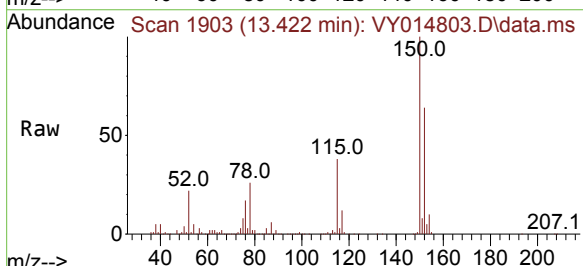
Tgt Ion:152 Resp: 131297

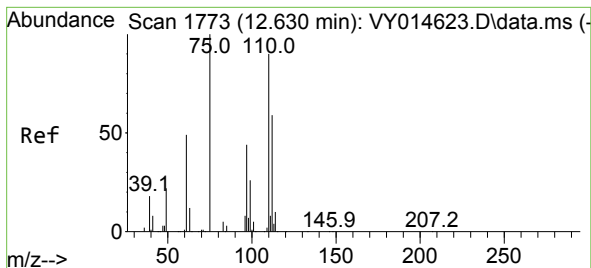
Ion Ratio Lower Upper

152 100

115 59.6 28.8 86.5

150 158.4 0.0 348.8

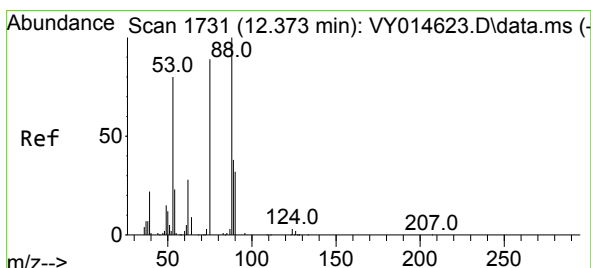
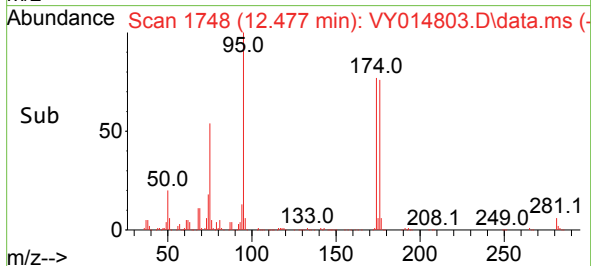
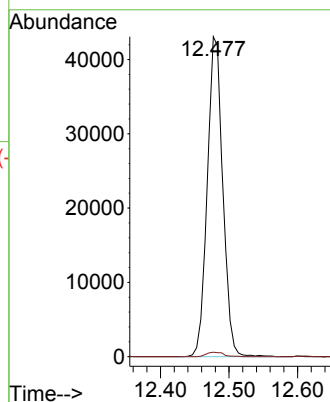
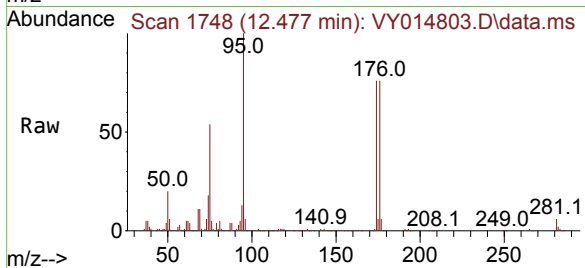




#76
1,2,3-Trichloropropane
Concen: 40.924 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY014803.D
Acq: 25 Jul 2023 15:46

Instrument :
MSVOA_Y
ClientSampleId :
B-P33A

Tgt Ion: 75 Resp: 67862
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.236 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014803.D
Acq: 25 Jul 2023 15:46

Tgt Ion: 75 Resp: 67862
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#

