

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014738.D
 Acq On : 21 Jul 2023 11:47
 Operator : SY/MD
 Sample : 03681-09
 Misc : 5.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RPTP-3-GRAB-6

Quant Time: Jul 22 05:34:15 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)

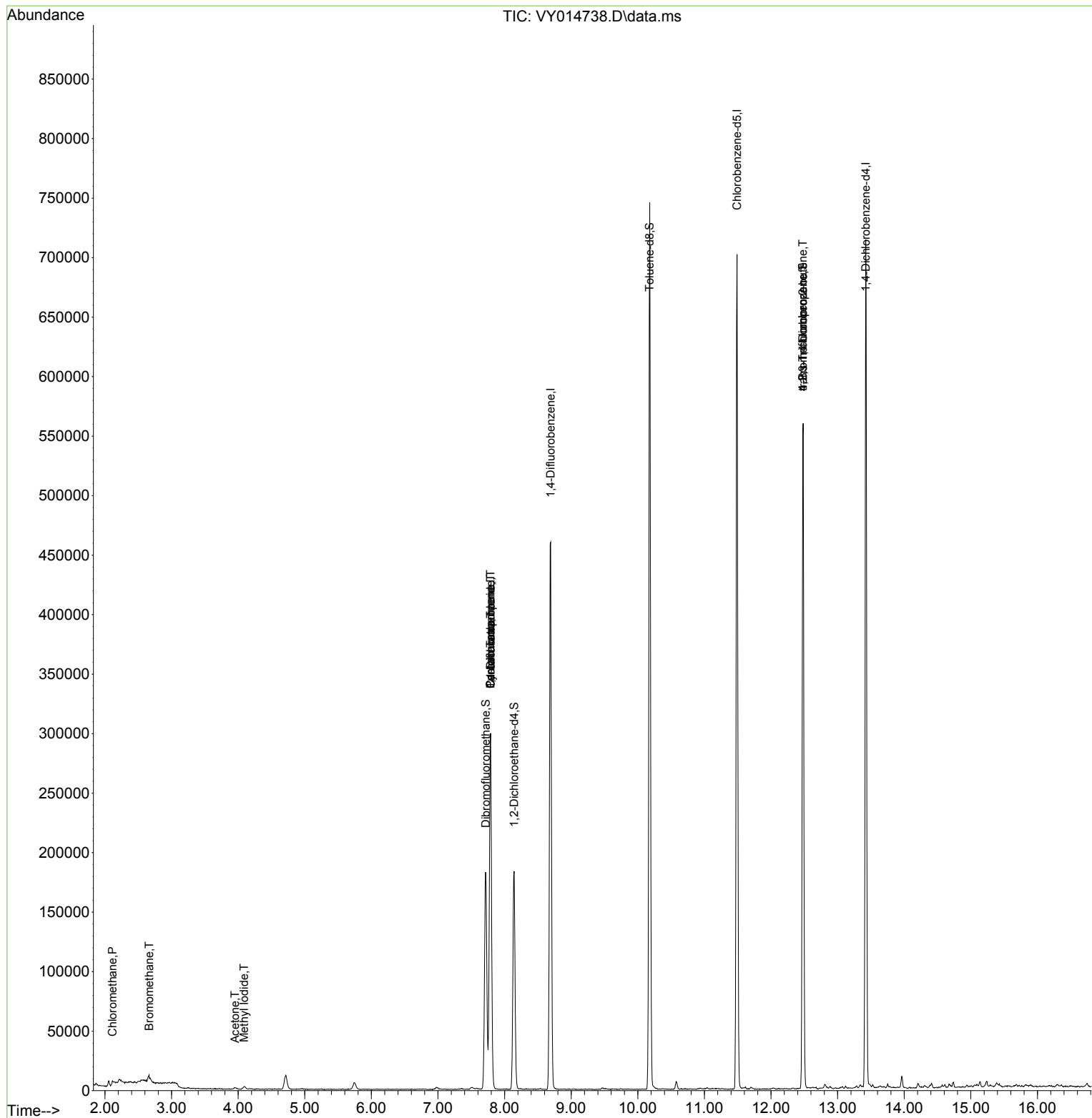
Internal Standards						
1) Pentafluorobenzene	7.789	168	236574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	406332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	387572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	180382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	143929	53.389	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.780%	
35) Dibromofluoromethane	7.715	113	132761	51.326	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.660%	
50) Toluene-d8	10.178	98	480270	50.362	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.720%	
62) 4-Bromofluorobenzene	12.477	95	184700	50.512	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.020%	
Target Compounds						
3) Chloromethane	2.113	50	2435	1.124	ug/l #	81
5) Bromomethane	2.662	94	3720	2.325	ug/l	99
10) Methyl Iodide	4.088	142	4067	3.836	ug/l	96
11) Tert butyl alcohol	4.960	59	594	Below Cal	#	89
16) Acetone	3.954	43	1768	2.070	ug/l #	84
20) Methylene Chloride	4.710	84	8737	Below Cal		90
31) Cyclohexane	7.789	56	4707	1.052	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	17731	4.584	ug/l #	50
38) Carbon Tetrachloride	7.789	117	23536	5.756	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	94111	41.310	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	94111	79.983	ug/l #	10

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

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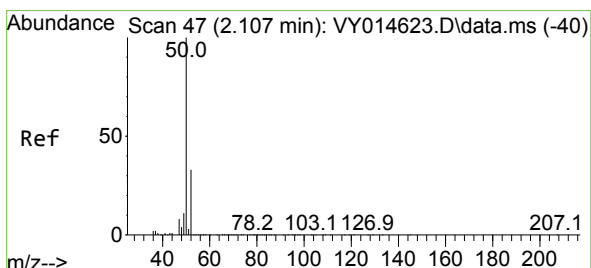
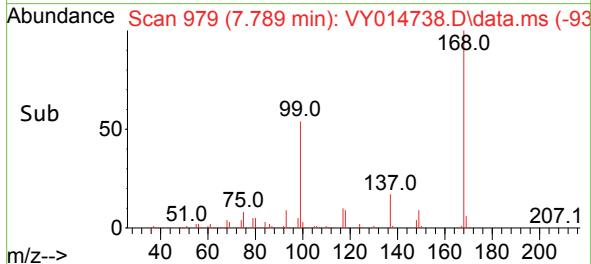
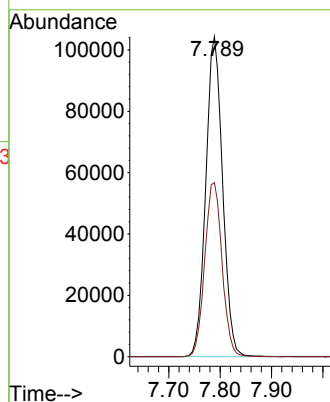
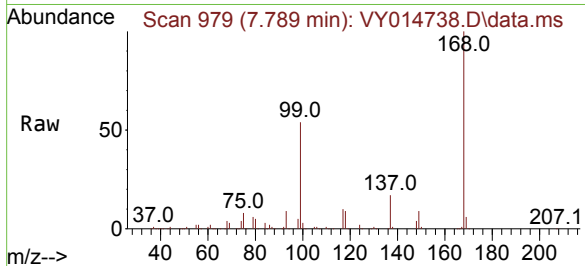




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014738.D
Acq: 21 Jul 2023 11:47

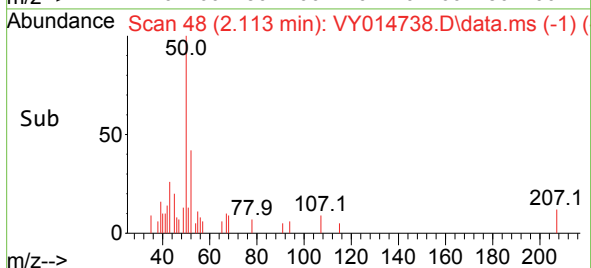
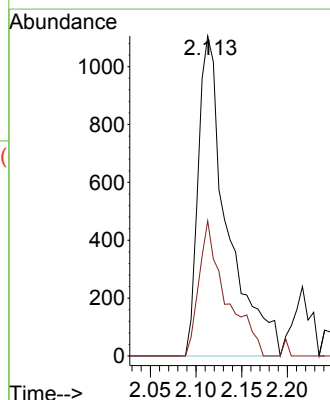
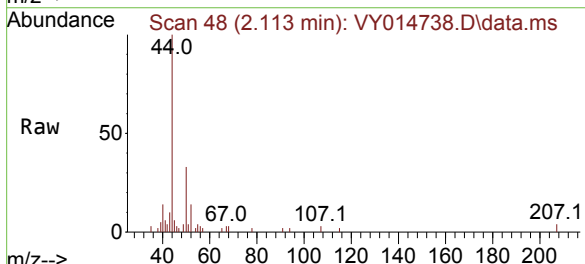
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-6

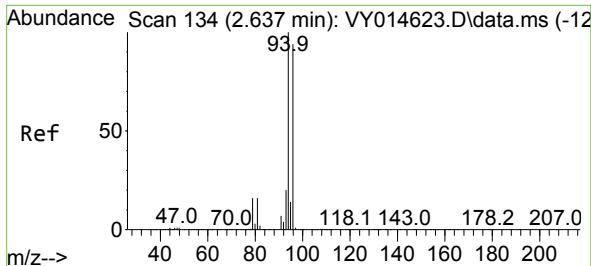
Tgt Ion:168 Resp: 236574
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#3
Chloromethane
Concen: 1.124 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014738.D
Acq: 21 Jul 2023 11:47

Tgt Ion: 50 Resp: 2435
Ion Ratio Lower Upper
50 100
52 42.2 25.4 38.2#

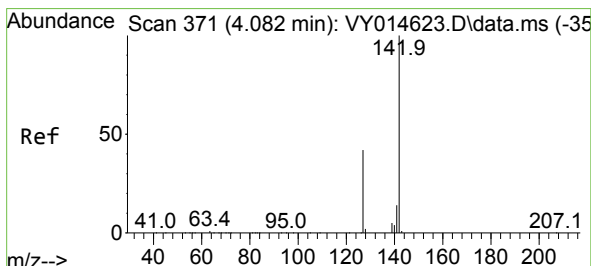
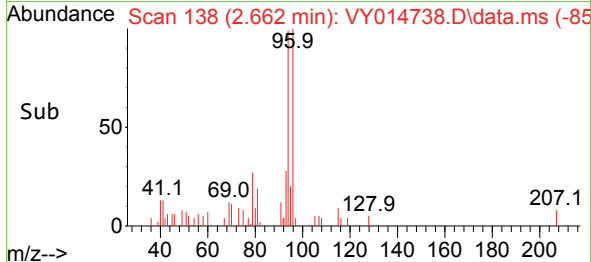
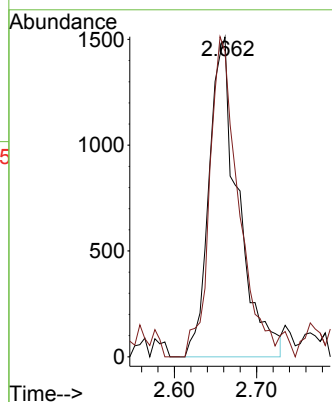
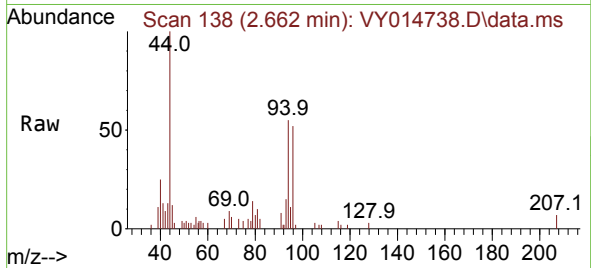




#5
Bromomethane
Concen: 2.325 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY014738.D
Acq: 21 Jul 2023 11:47

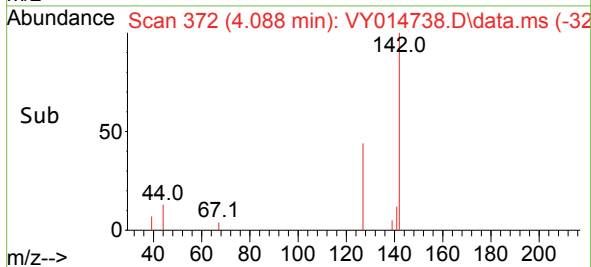
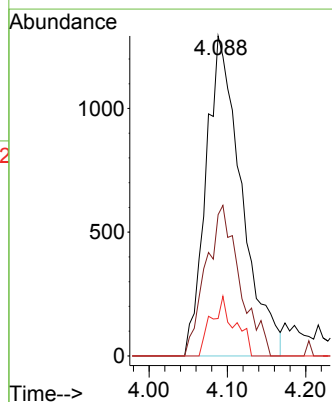
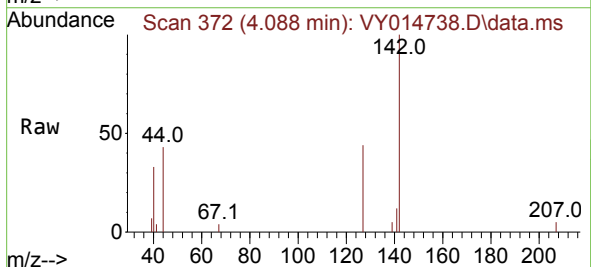
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-6

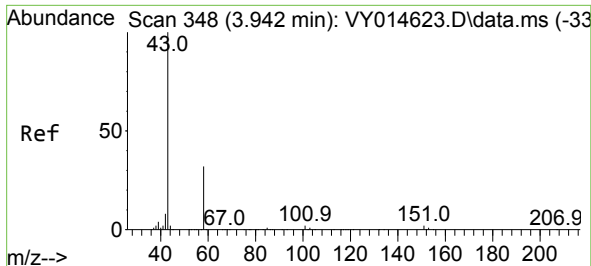
Tgt Ion: 94 Resp: 3720
Ion Ratio Lower Upper
94 100
96 95.5 75.8 113.6



#10
Methyl Iodide
Concen: 3.836 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014738.D
Acq: 21 Jul 2023 11:47

Tgt Ion:142 Resp: 4067
Ion Ratio Lower Upper
142 100
127 45.1 37.6 56.4
141 12.3 11.8 17.8

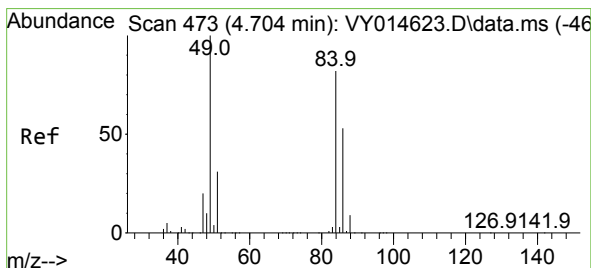
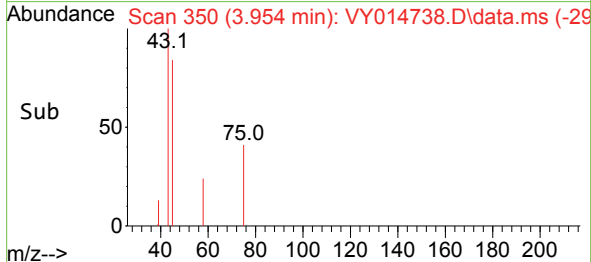
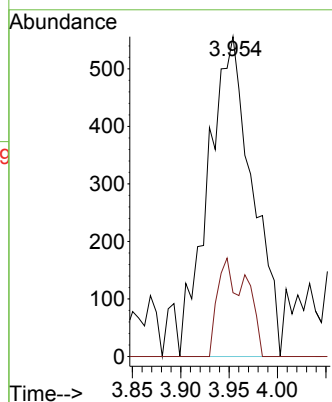
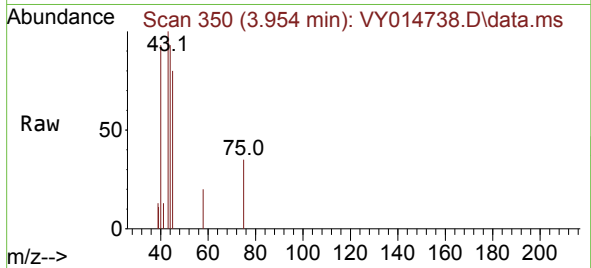




#16
Acetone
Concen: 2.070 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014738.D
Acq: 21 Jul 2023 11:47

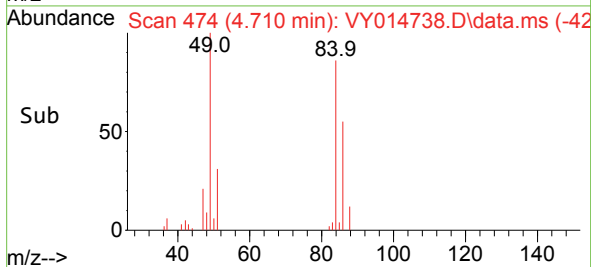
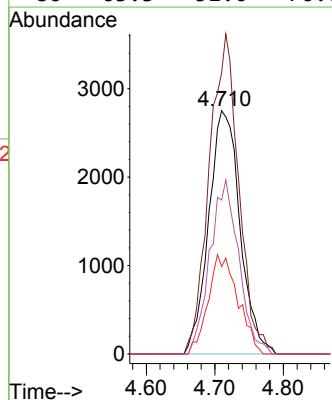
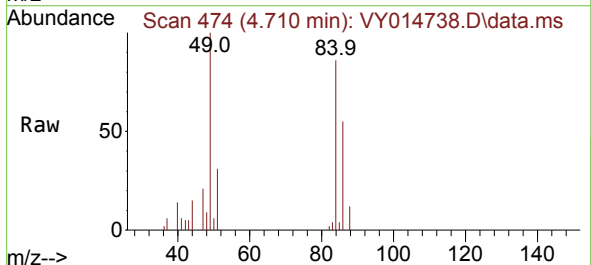
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-6

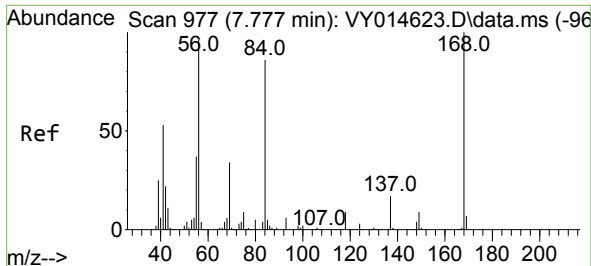
Tgt Ion: 43 Resp: 1768
Ion Ratio Lower Upper
43 100
58 20.0 22.7 34.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014738.D
Acq: 21 Jul 2023 11:47

Tgt Ion: 84 Resp: 8737
Ion Ratio Lower Upper
84 100
49 115.7 106.9 160.3
51 35.9 33.2 49.8
86 63.3 51.0 76.6

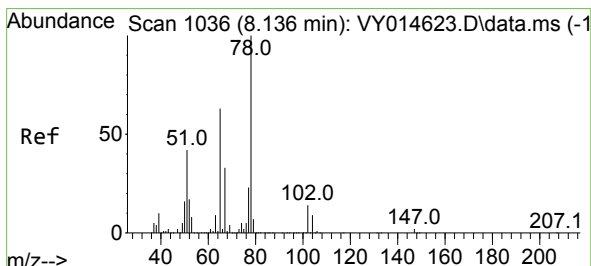
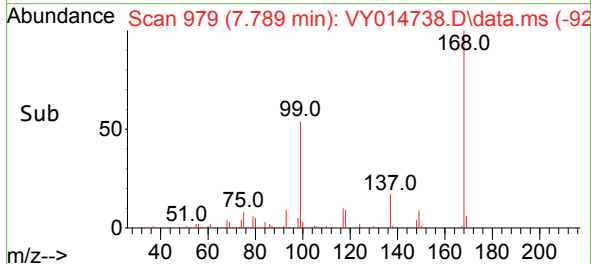
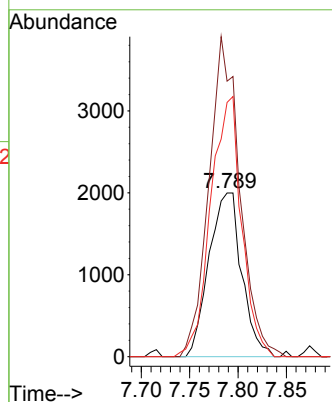
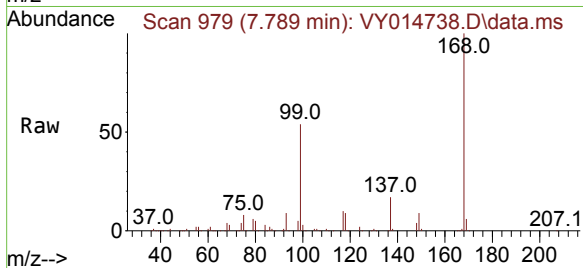




#31
Cyclohexane
Concen: 1.052 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014738.D
Acq: 21 Jul 2023 11:47

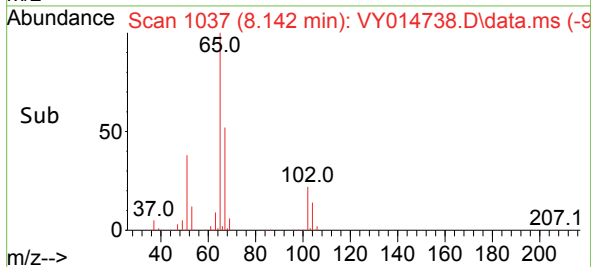
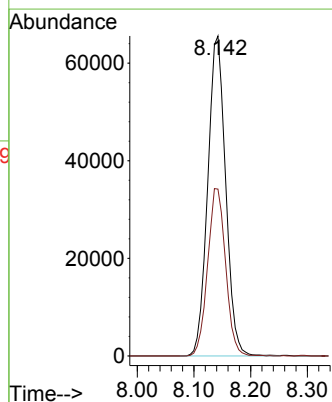
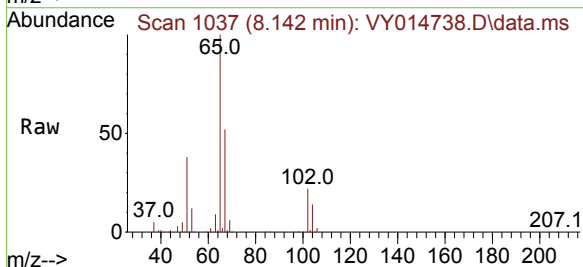
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-6

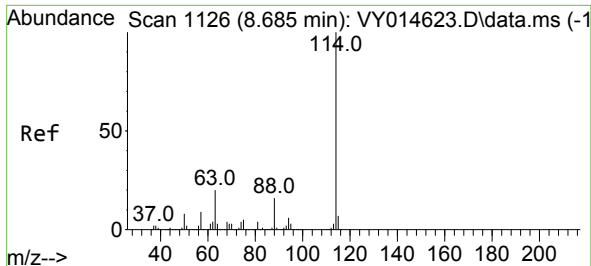
Tgt Ion: 56 Resp: 4707
Ion Ratio Lower Upper
56 100
69 168.3 27.8 41.6#
84 155.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 53.389 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014738.D
Acq: 21 Jul 2023 11:47

Tgt Ion: 65 Resp: 143929
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY014738.D

Acq: 21 Jul 2023 11:47

Instrument :

MSVOA_Y

ClientSampleId :

RPTP-3-GRAB-6

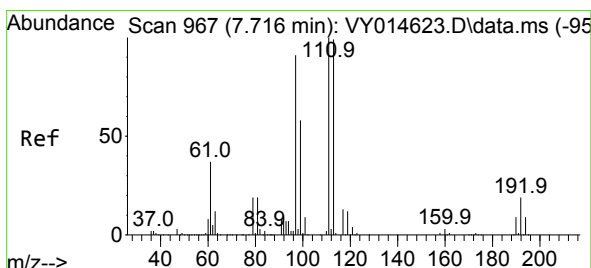
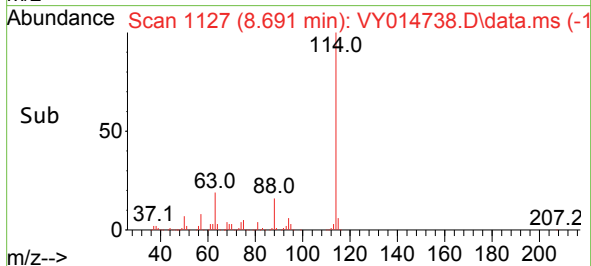
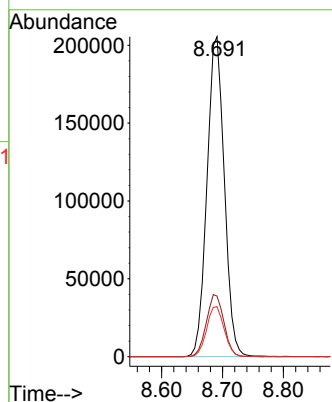
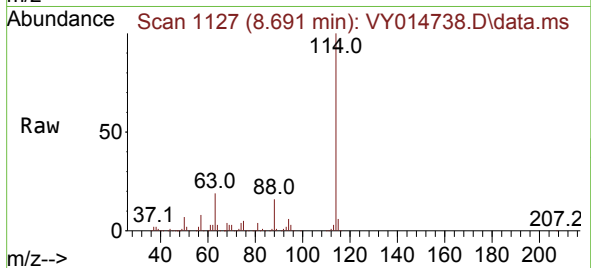
Tgt Ion:114 Resp: 406332

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.326 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY014738.D

Acq: 21 Jul 2023 11:47

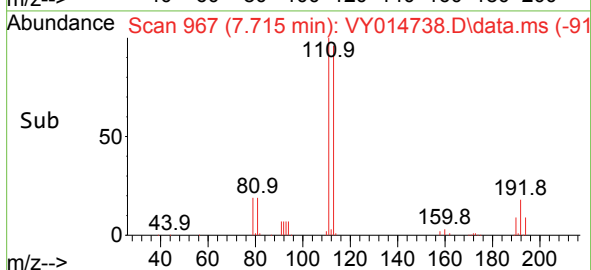
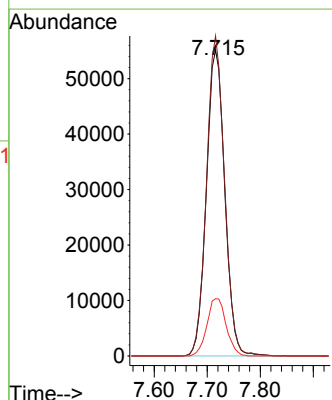
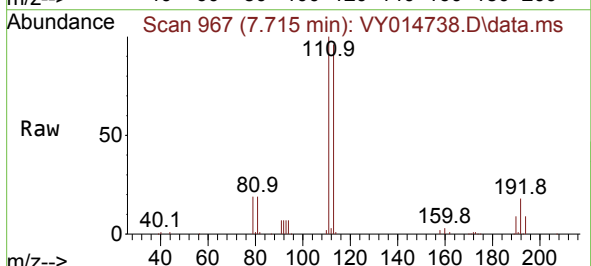
Tgt Ion:113 Resp: 132761

Ion Ratio Lower Upper

113 100

111 102.6 81.3 121.9

192 19.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.584 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY014738.D

Acq: 21 Jul 2023 11:47

Instrument :

MSVOA_Y

ClientSampleId :

RPTP-3-GRAB-6

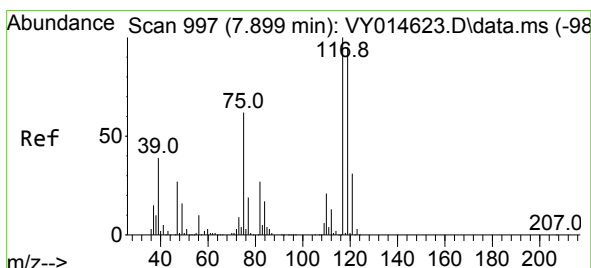
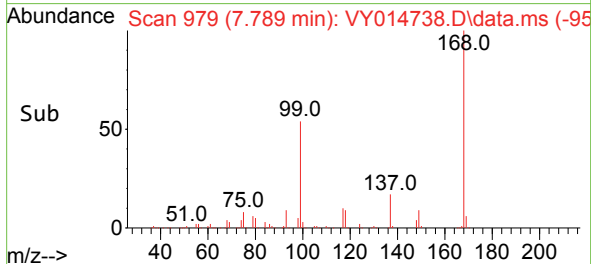
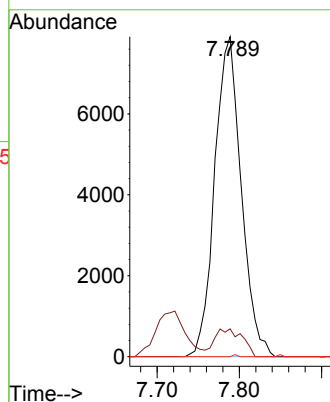
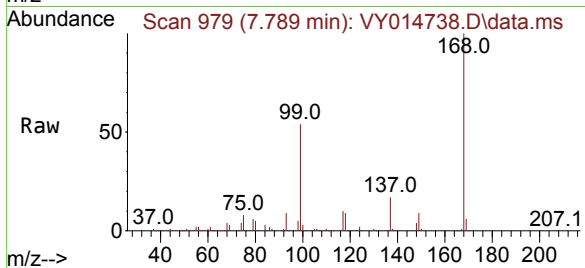
Tgt Ion: 75 Resp: 17731

Ion Ratio Lower Upper

75 100

110 9.1 17.8 53.5#

77 0.1 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.756 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY014738.D

Acq: 21 Jul 2023 11:47

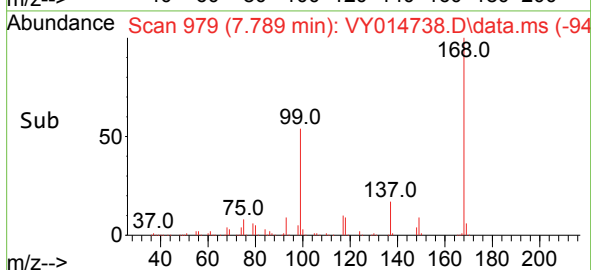
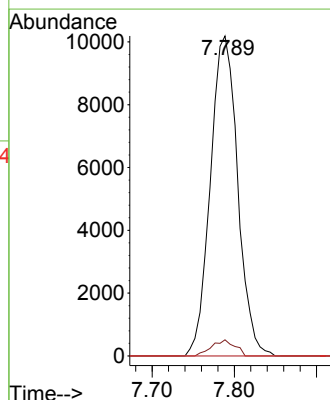
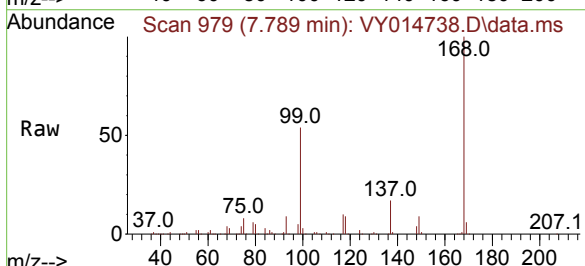
Tgt Ion: 117 Resp: 23536

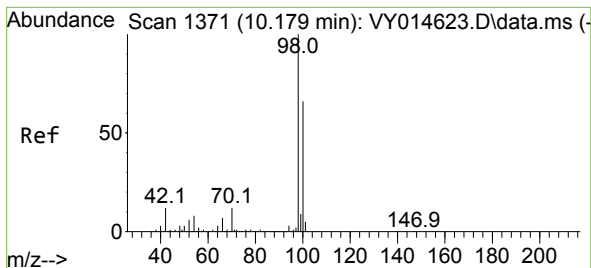
Ion Ratio Lower Upper

117 100

119 5.1 76.4 114.6#

121 0.0 25.8 38.6#

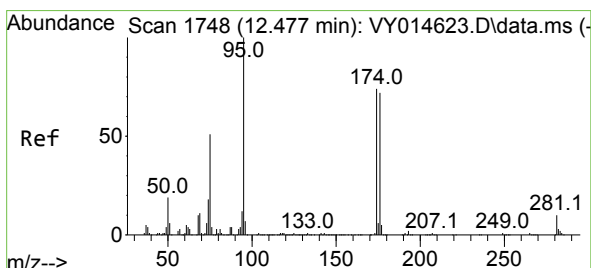
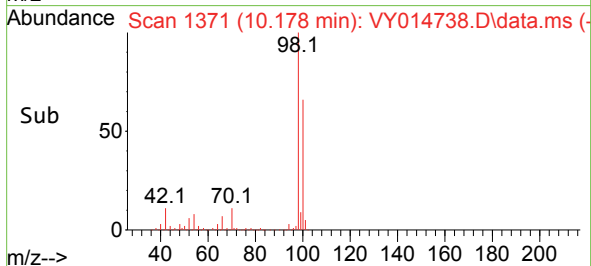
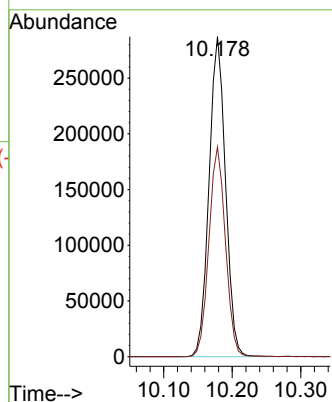
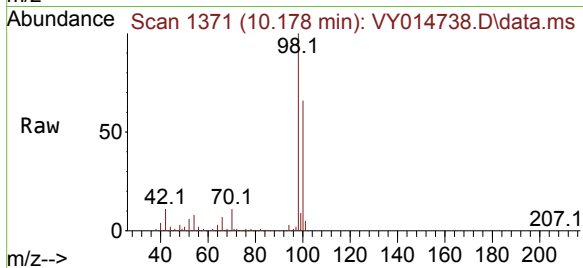




#50
Toluene-d8
Concen: 50.362 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY014738.D
Acq: 21 Jul 2023 11:47

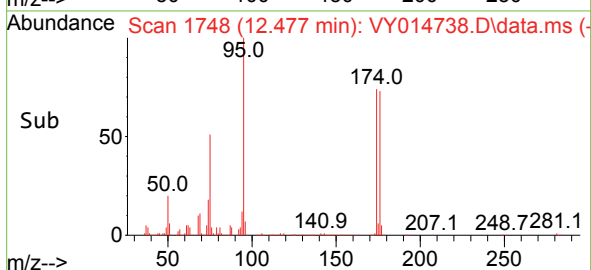
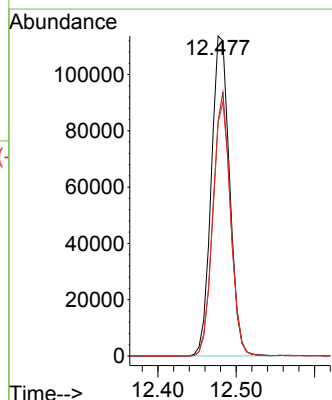
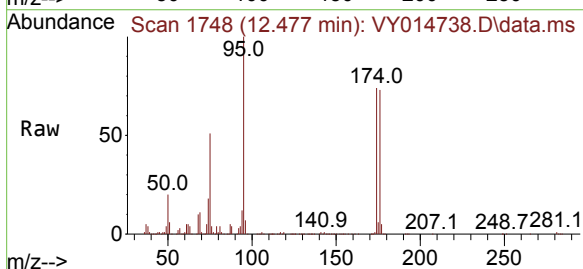
Instrument :
MSVOA_Y
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RPTP-3-GRAB-6

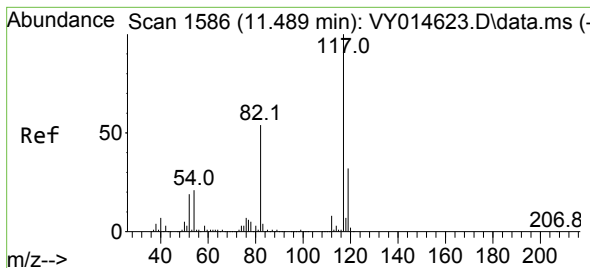
Tgt Ion: 98 Resp: 480270
Ion Ratio Lower Upper
98 100
100 65.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.512 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY014738.D
Acq: 21 Jul 2023 11:47

Tgt Ion: 95 Resp: 184700
Ion Ratio Lower Upper
95 100
174 78.9 0.0 178.2
176 77.2 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: VY014738.D

Acq: 21 Jul 2023 11:47

Instrument :

MSVOA_Y

ClientSampleId :

RPTP-3-GRAB-6

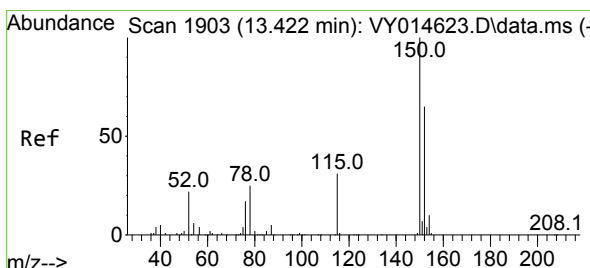
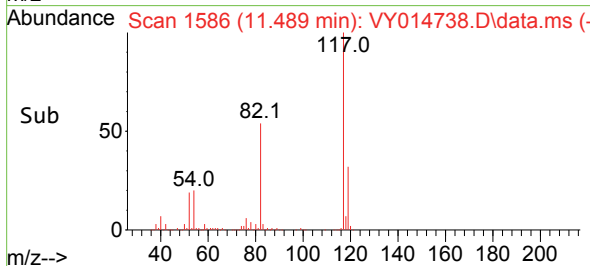
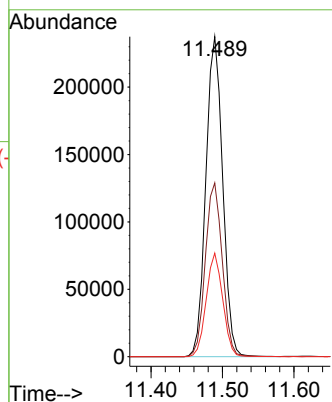
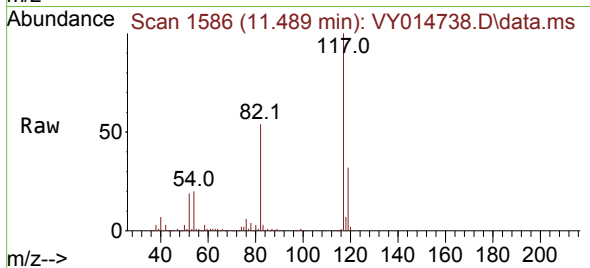
Tgt Ion:117 Resp: 387572

Ion Ratio Lower Upper

117 100

82 54.3 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: VY014738.D

Acq: 21 Jul 2023 11:47

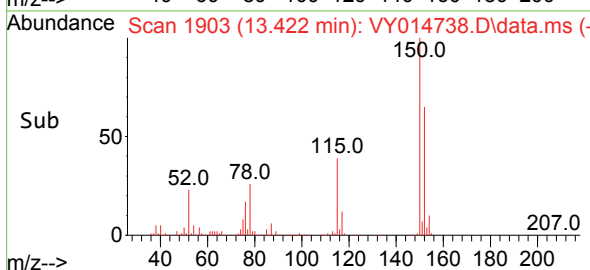
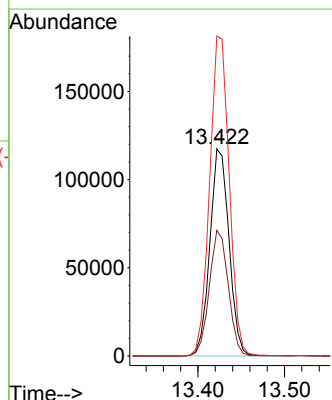
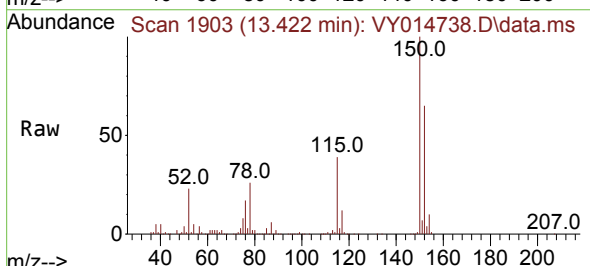
Tgt Ion:152 Resp: 180382

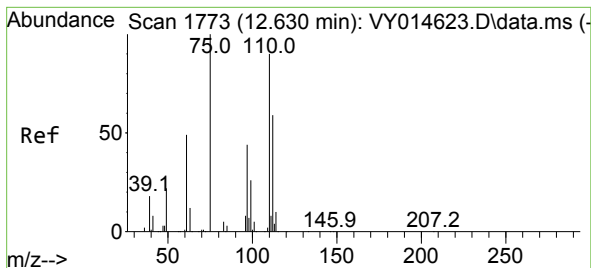
Ion Ratio Lower Upper

152 100

115 60.2 28.8 86.5

150 158.1 0.0 348.8

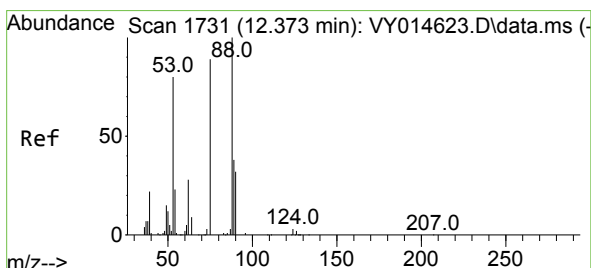
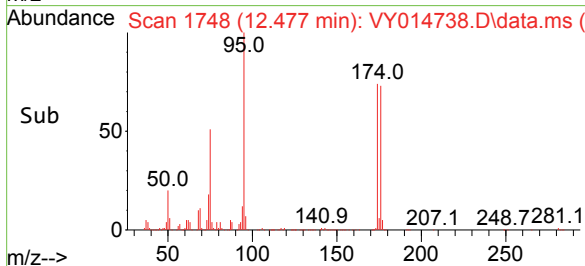
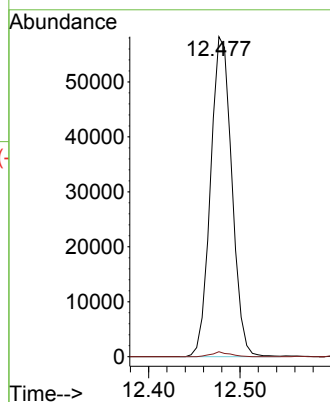
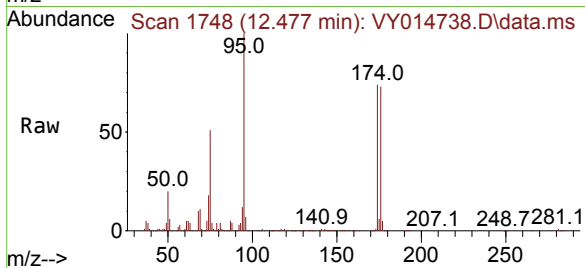




#76
1,2,3-Trichloropropane
Concen: 41.310 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014738.D
Acq: 21 Jul 2023 11:47

Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-6

Tgt Ion: 75 Resp: 94111
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.983 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014738.D
Acq: 21 Jul 2023 11:47

Tgt Ion: 75 Resp: 94111
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

