

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050823\
 Data File : VY013647.D
 Acq On : 08 May 2023 14:25
 Operator : KP/MD
 Sample : 02622-03RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-251675

Quant Time: May 09 04:56:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

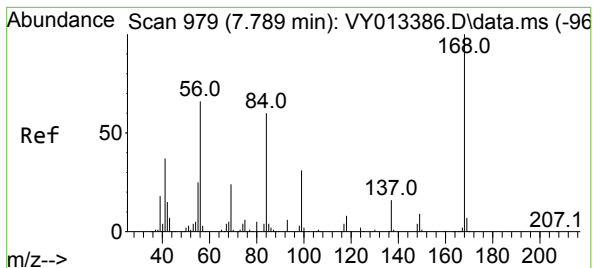
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	208270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	350462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	331619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	143920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	139675	61.178	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.360%			
35) Dibromofluoromethane	7.716	113	118568	53.791	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.580%			
50) Toluene-d8	10.179	98	426995	54.454	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.900%			
62) 4-Bromofluorobenzene	12.477	95	142334	53.842	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.680%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.978	59	127	1.143	ug/l #	89
13) Acrolein	3.735	56	48	Below Cal	#	16
16) Acetone	3.960	43	6317	7.026	ug/l	90
20) Methylene Chloride	4.710	84	17947	Below Cal		85
25) 2-Butanone	7.021	43	1174	1.030	ug/l #	47
31) Cyclohexane	7.783	56	4873	1.192	ug/l #	25
36) 1,1-Dichloropropene	7.789	75	16277	4.449	ug/l #	49
38) Carbon Tetrachloride	7.783	117	20490	5.344	ug/l #	18
59) 2-Hexanone	10.837	43	2735	1.453	ug/l	75
74) N-amyl acetate	12.105	43	6029	1.556	ug/l #	53
76) 1,2,3-Trichloropropane	12.477	75	76941	39.641	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	76941	81.088	ug/l #	13

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

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Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:39:58 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY013647.D

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ClientSampleId :

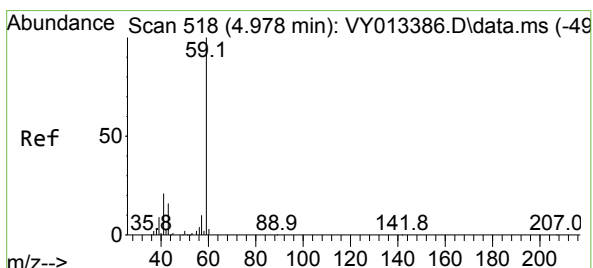
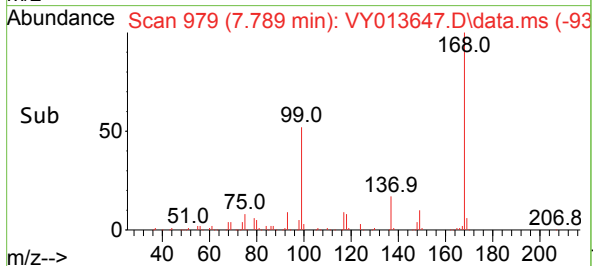
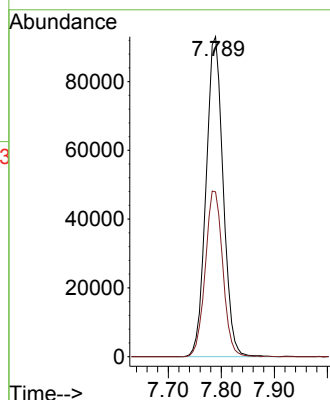
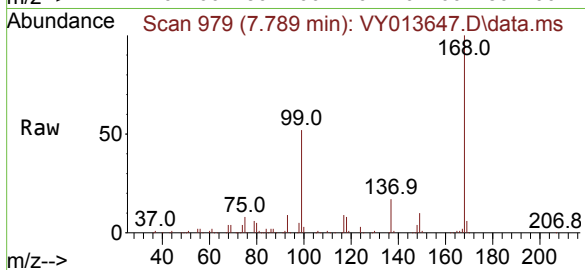
RBR-251675

Tgt Ion:168 Resp: 208270

Ion Ratio Lower Upper

168 100

99 51.5 41.8 62.6



#11

Tert butyl alcohol

Concen: 1.143 ug/l

RT: 4.978 min Scan# 518

Delta R.T. 0.000 min

Lab File: VY013647.D

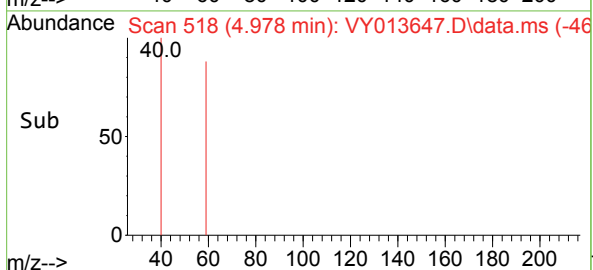
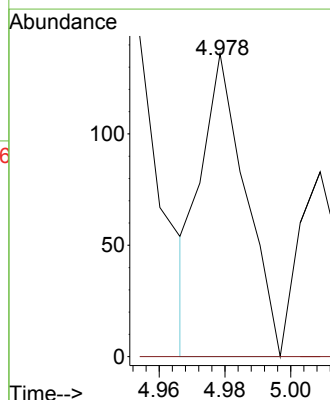
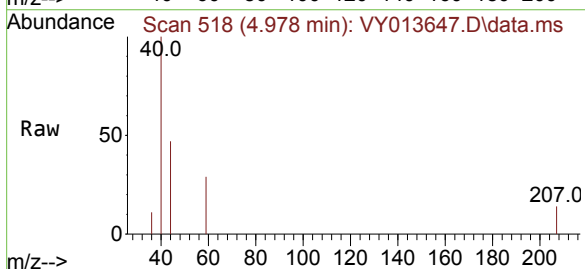
Acq: 08 May 2023 14:25

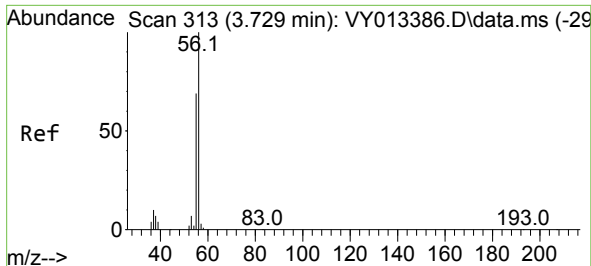
Tgt Ion: 59 Resp: 127

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.735 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY013647.D

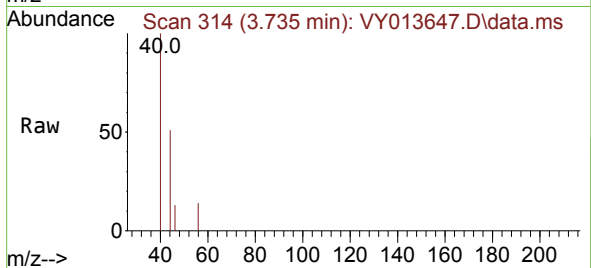
Acq: 08 May 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

RBR-251675

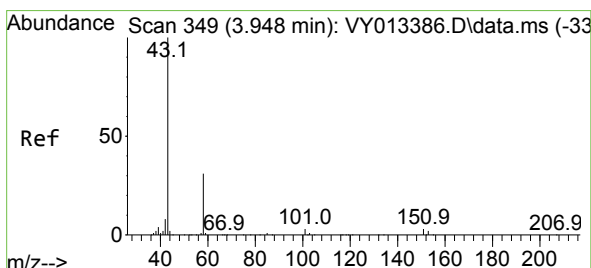
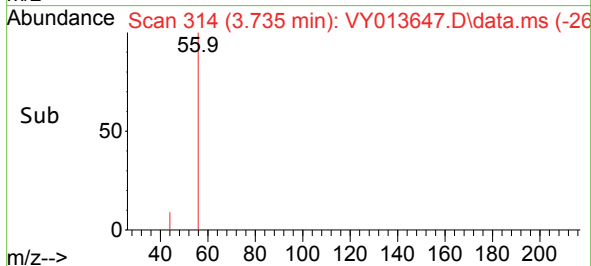
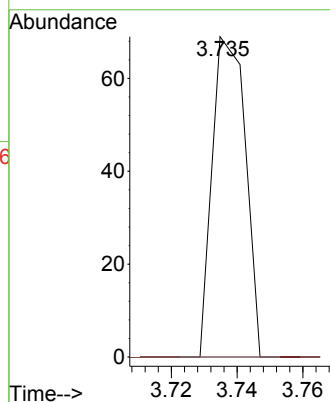


Tgt Ion: 56 Resp: 48

Ion Ratio Lower Upper

56 100

55 0.0 54.1 81.1#



#16

Acetone

Concen: 7.026 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.012 min

Lab File: VY013647.D

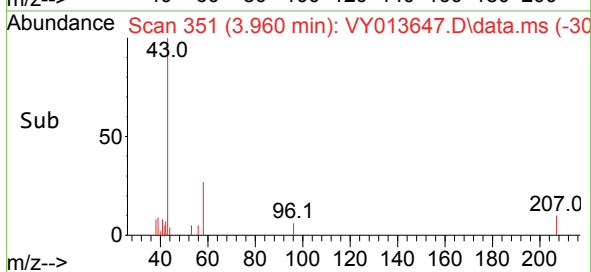
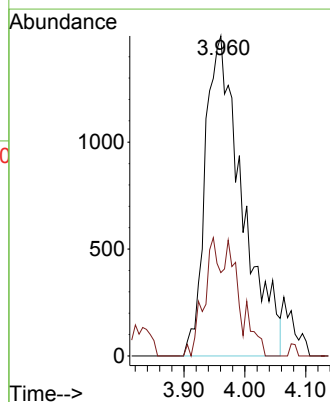
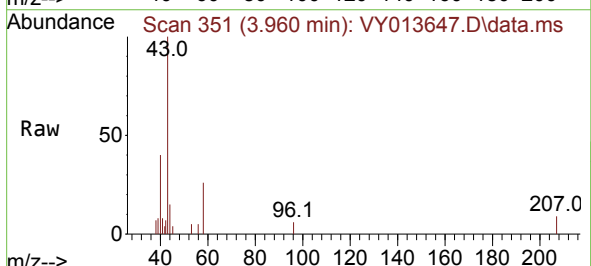
Acq: 08 May 2023 14:25

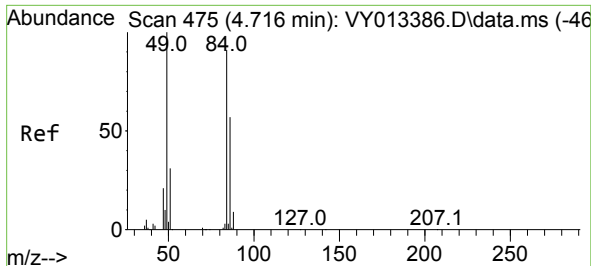
Tgt Ion: 43 Resp: 6317

Ion Ratio Lower Upper

43 100

58 26.1 25.4 38.0

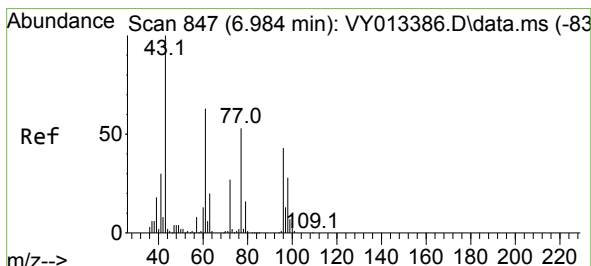
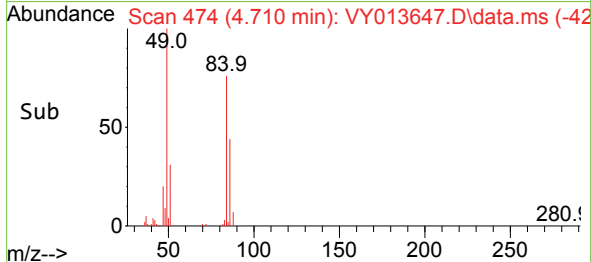
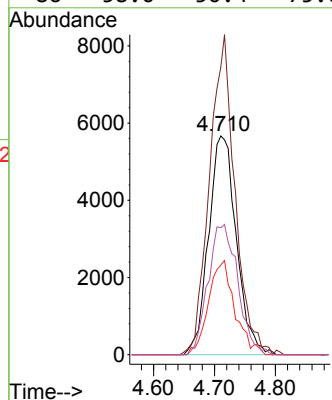
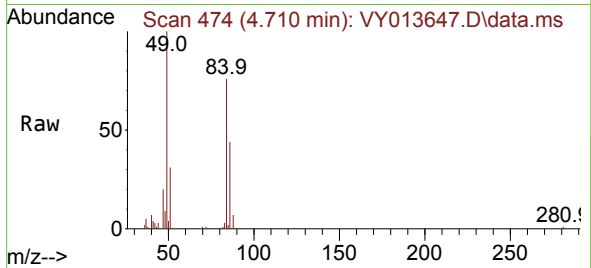




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013647.D
Acq: 08 May 2023 14:25

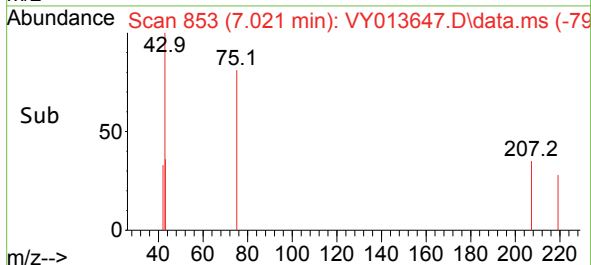
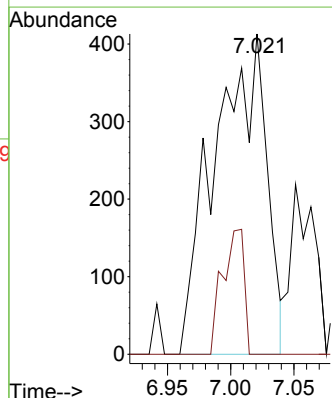
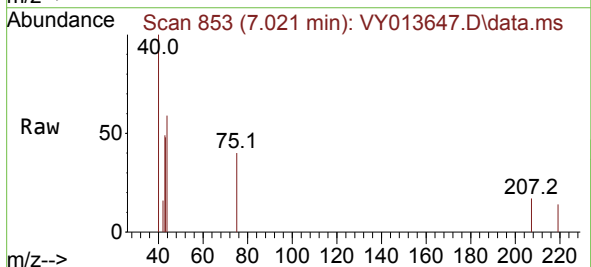
Instrument :
MSVOA_Y
ClientSampleId :
RBR-251675

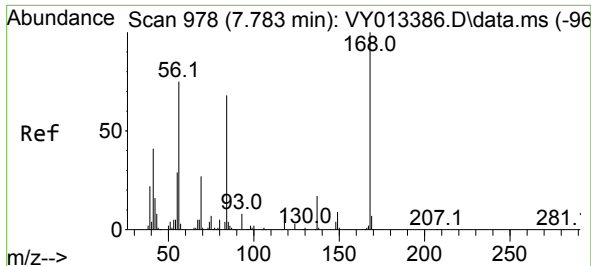
Tgt Ion: 84 Resp: 17947
Ion Ratio Lower Upper
84 100
49 131.6 88.0 132.0
51 41.0 27.4 41.0
86 58.0 50.4 75.6



#25
2-Butanone
Concen: 1.030 ug/l
RT: 7.021 min Scan# 853
Delta R.T. 0.037 min
Lab File: VY013647.D
Acq: 08 May 2023 14:25

Tgt Ion: 43 Resp: 1174
Ion Ratio Lower Upper
43 100
72 0.0 21.9 32.9#

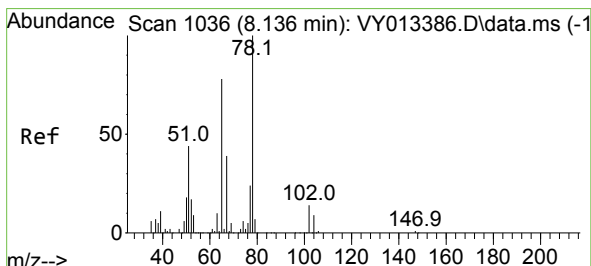
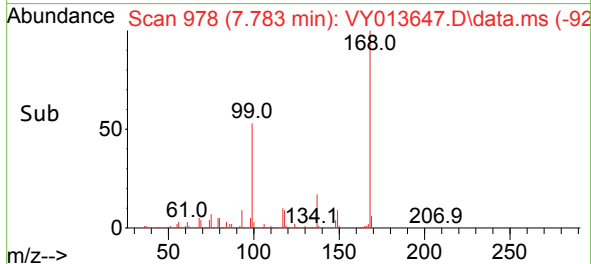
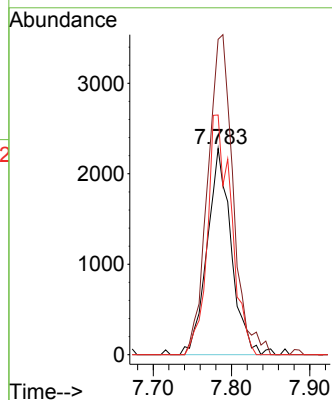
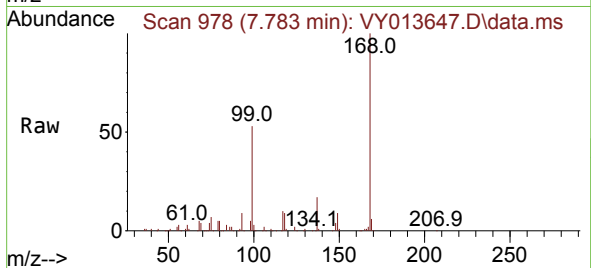




#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013647.D
Acq: 08 May 2023 14:25

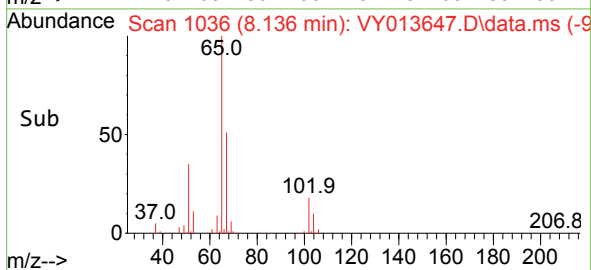
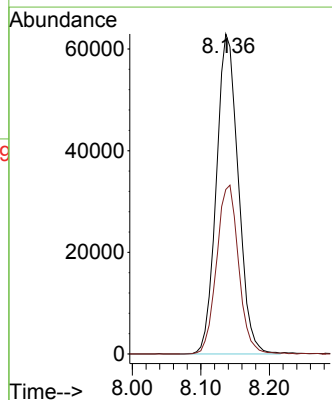
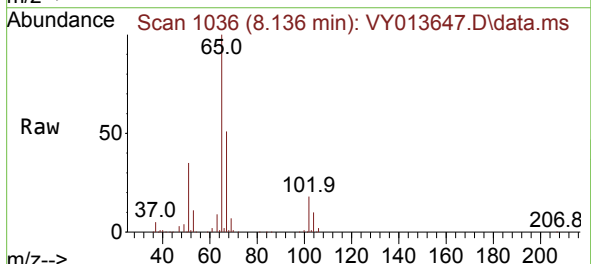
Instrument :
MSVOA_Y
ClientSampleId :
RBR-251675

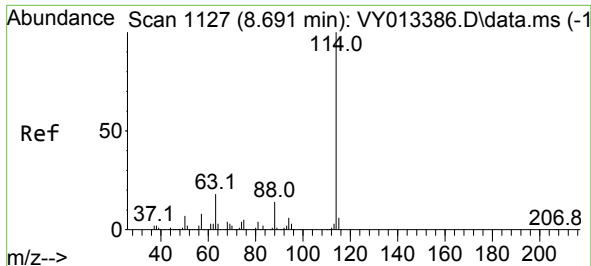
Tgt Ion: 56 Resp: 4873
Ion Ratio Lower Upper
56 100
69 152.9 29.2 43.8#
84 116.2 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 61.178 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013647.D
Acq: 08 May 2023 14:25

Tgt Ion: 65 Resp: 139675
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.4

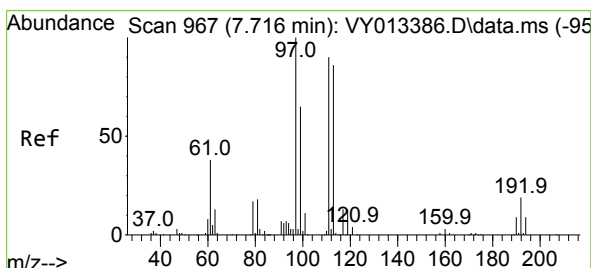
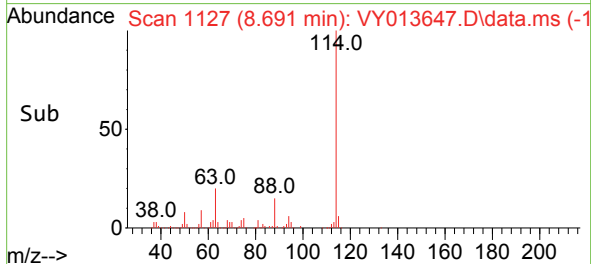
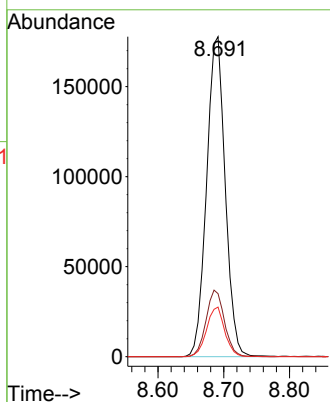
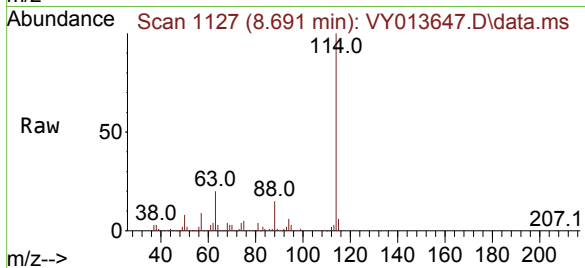




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013647.D
Acq: 08 May 2023 14:25

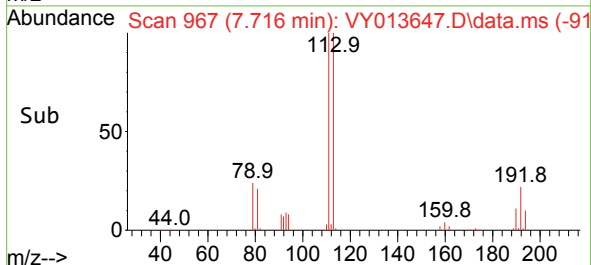
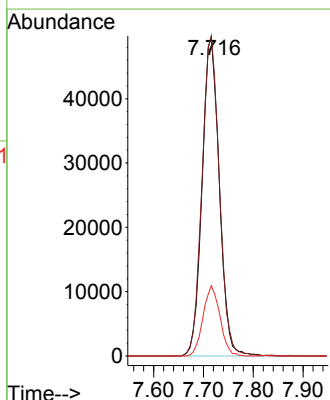
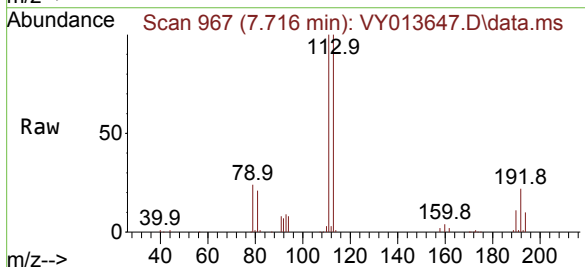
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ClientSampleId :
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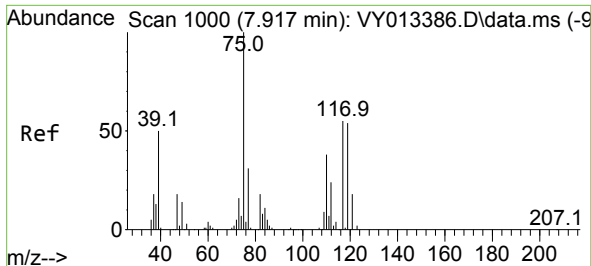
Tgt Ion:114 Resp: 350462
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.6
88 15.5 0.0 28.8



#35
Dibromofluoromethane
Concen: 53.791 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013647.D
Acq: 08 May 2023 14:25

Tgt Ion:113 Resp: 118568
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.2
192 21.7 16.7 25.1

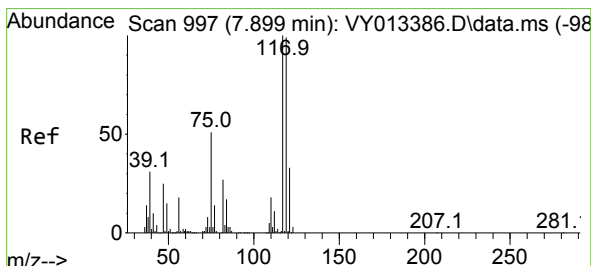
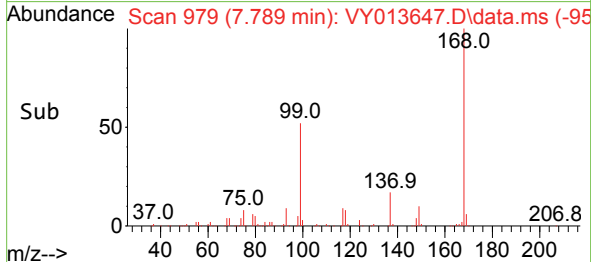
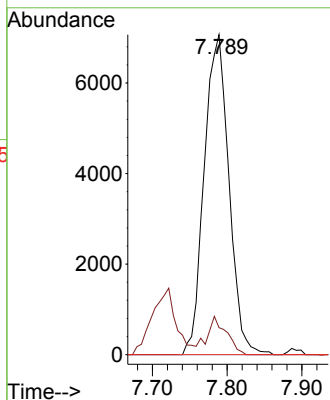
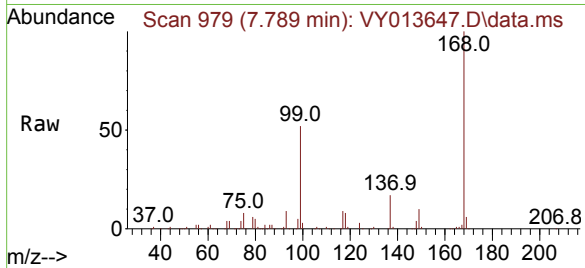




#36
 1,1-Dichloropropene
 Concen: 4.449 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY013647.D
 Acq: 08 May 2023 14:25

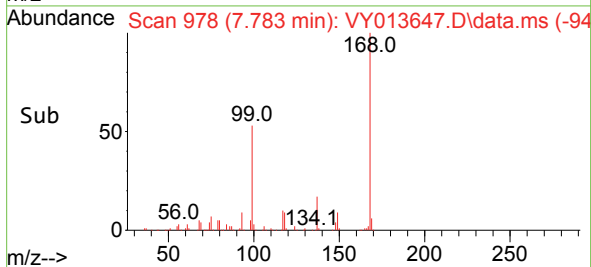
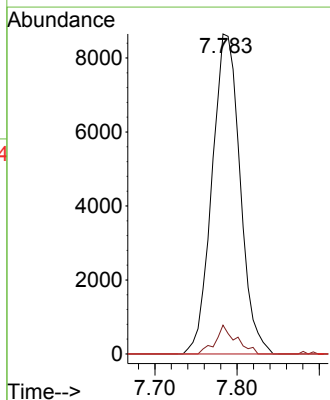
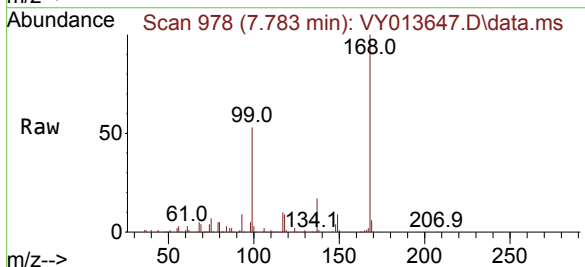
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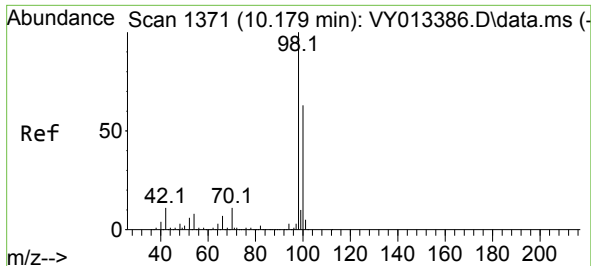
Tgt Ion: 75 Resp: 16277
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.7 56.1#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.344 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.116 min
 Lab File: VY013647.D
 Acq: 08 May 2023 14:25

Tgt Ion: 117 Resp: 20490
 Ion Ratio Lower Upper
 117 100
 119 9.0 79.0 118.6#
 121 0.0 26.6 40.0#

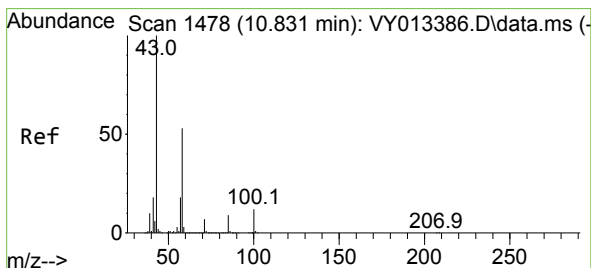
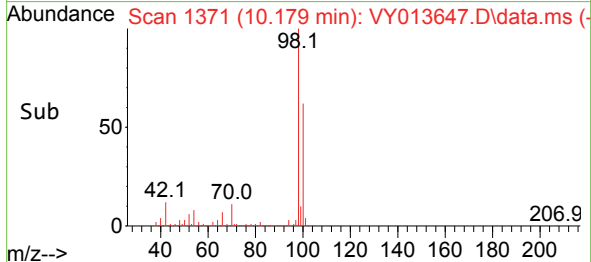
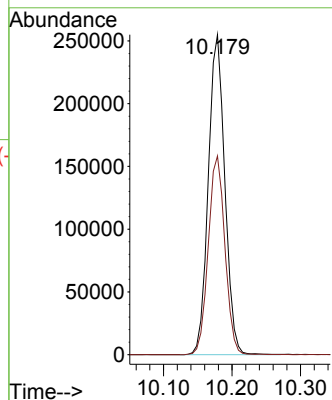
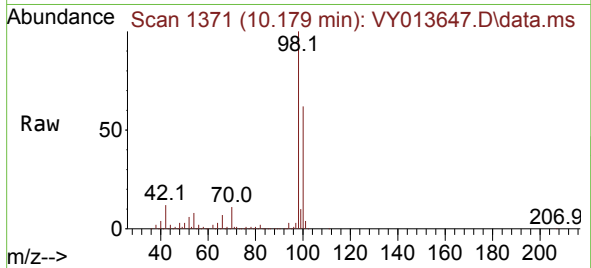




#50
Toluene-d8
Concen: 54.454 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013647.D
Acq: 08 May 2023 14:25

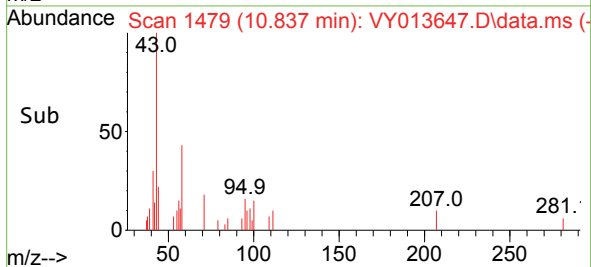
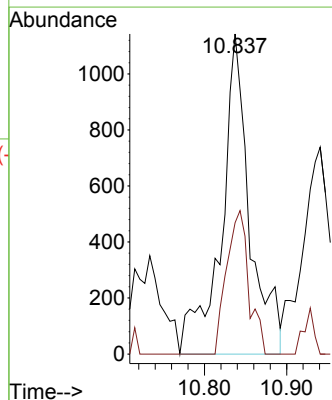
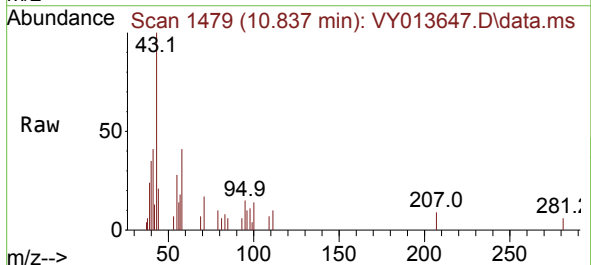
Instrument :
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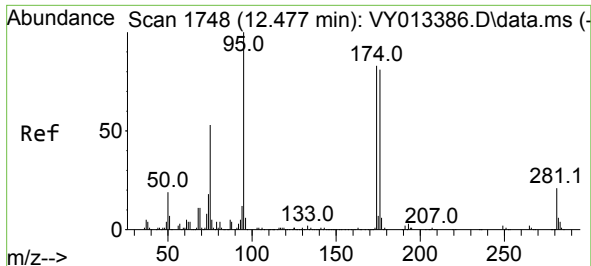
Tgt Ion: 98 Resp: 426995
Ion Ratio Lower Upper
98 100
100 62.6 50.5 75.7



#59
2-Hexanone
Concen: 1.453 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VY013647.D
Acq: 08 May 2023 14:25

Tgt Ion: 43 Resp: 2735
Ion Ratio Lower Upper
43 100
58 35.2 26.3 78.8





#62

4-Bromofluorobenzene

Concen: 53.842 ug/l

RT: 12.477 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013647.D

Acq: 08 May 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

RBR-251675

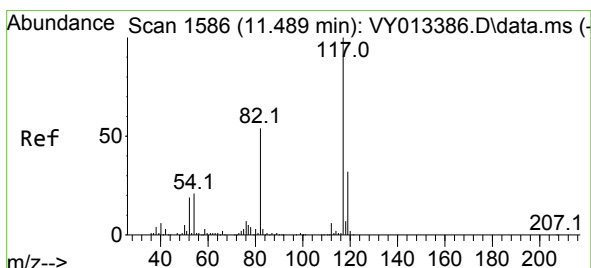
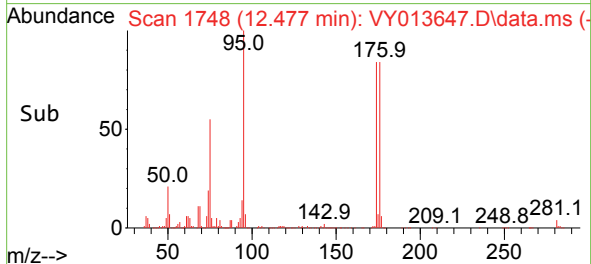
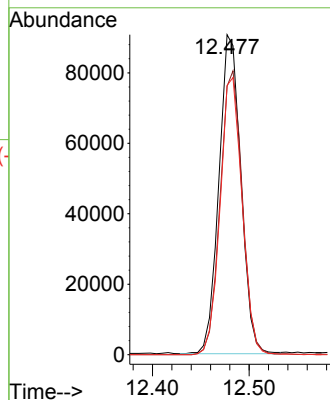
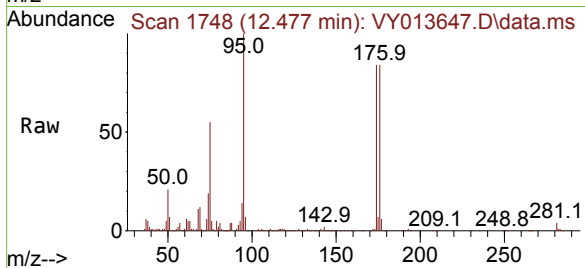
Tgt Ion: 95 Resp: 142334

Ion Ratio Lower Upper

95 100

174 90.1 0.0 182.0

176 87.1 0.0 175.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY013647.D

Acq: 08 May 2023 14:25

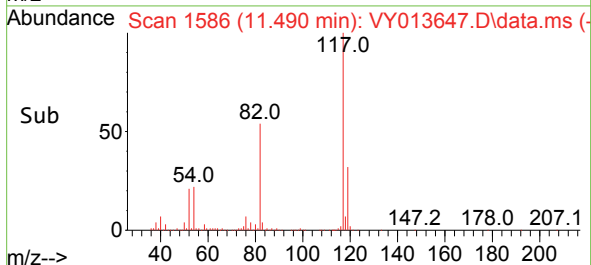
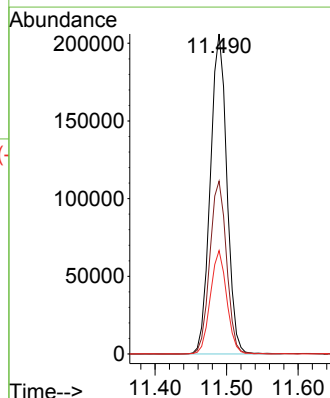
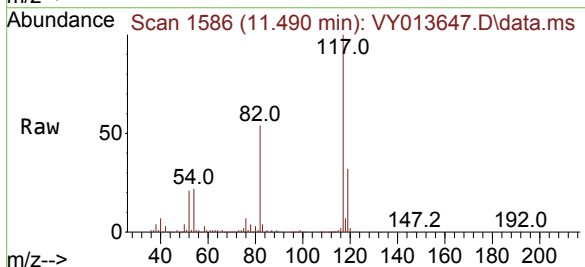
Tgt Ion: 117 Resp: 331619

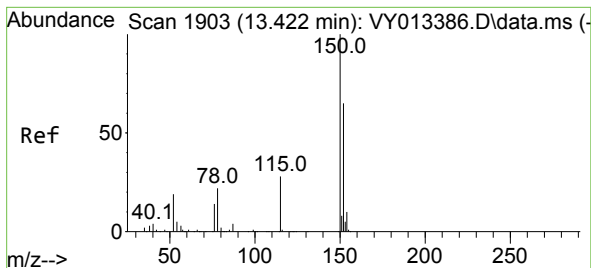
Ion Ratio Lower Upper

117 100

82 54.0 43.0 64.6

119 32.3 25.5 38.3

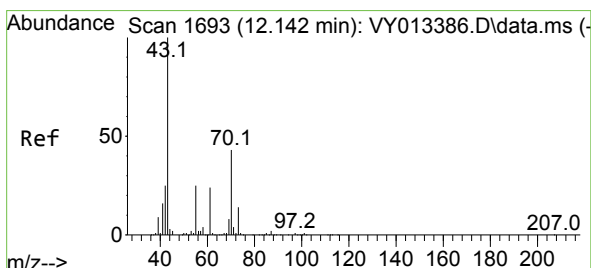
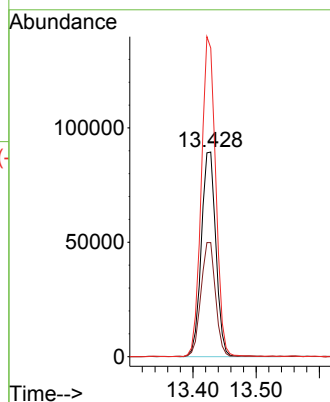
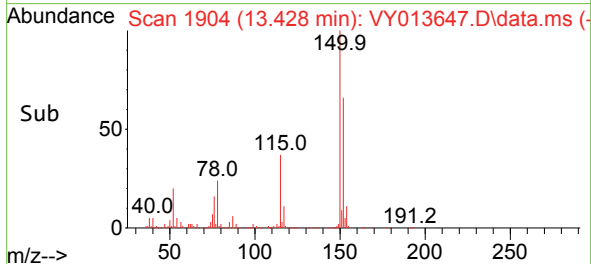
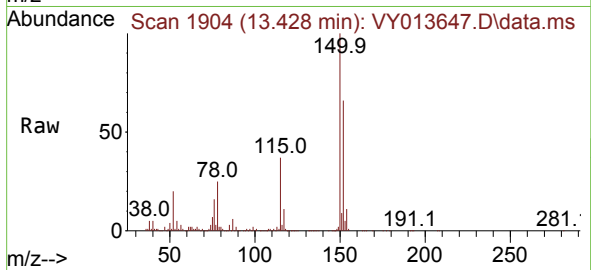




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY013647.D
 Acq: 08 May 2023 14:25

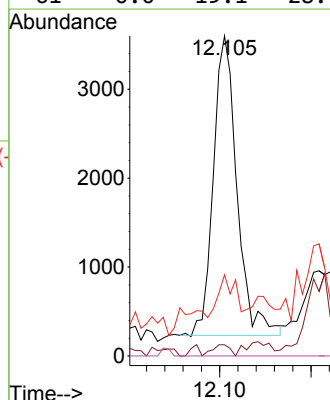
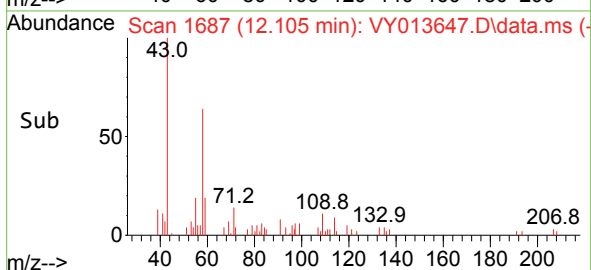
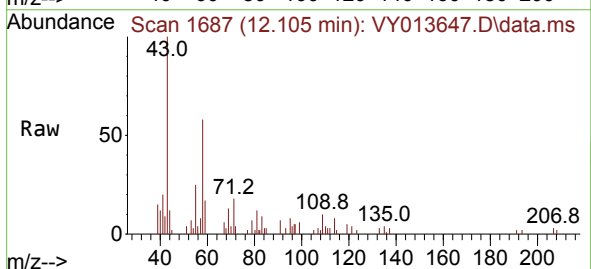
Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-251675

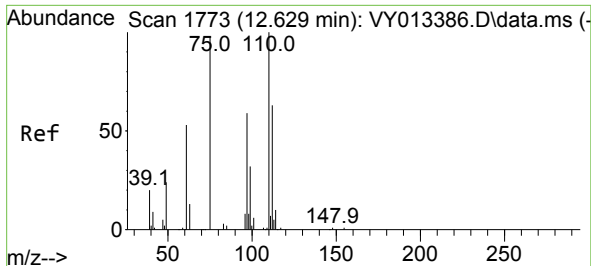
Tgt Ion:152 Resp: 143920
 Ion Ratio Lower Upper
 152 100
 115 55.5 28.1 84.2
 150 154.6 0.0 352.0



#74
 N-ethyl acetate
 Concen: 1.556 ug/l
 RT: 12.105 min Scan# 1687
 Delta R.T. -0.037 min
 Lab File: VY013647.D
 Acq: 08 May 2023 14:25

Tgt Ion: 43 Resp: 6029
 Ion Ratio Lower Upper
 43 100
 70 2.8 33.0 49.4#
 55 14.3 19.8 29.6#
 61 0.0 19.1 28.7#

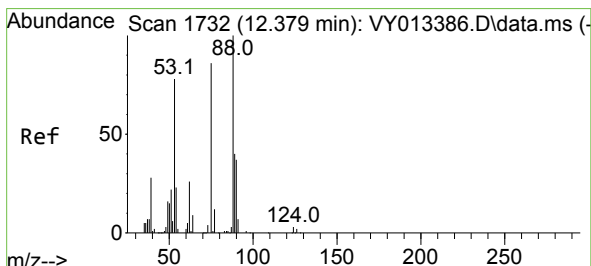
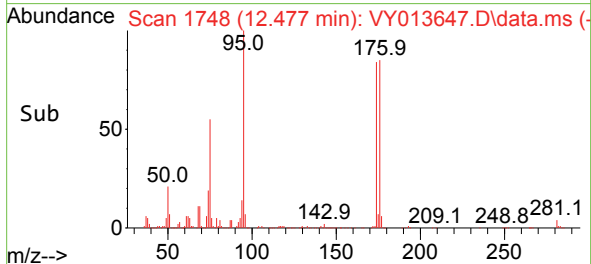
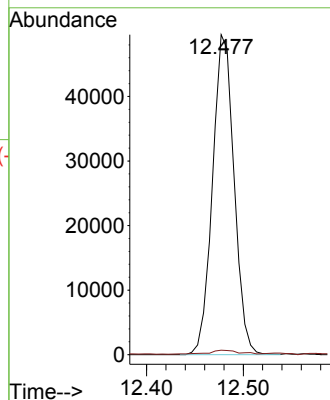
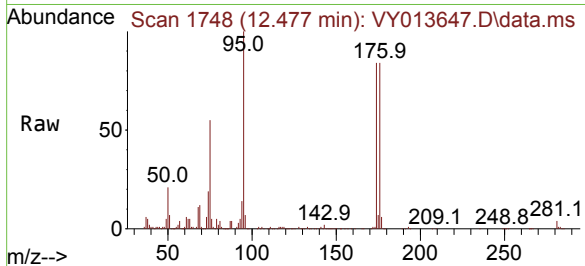




#76
1,2,3-Trichloropropane
Concen: 39.641 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY013647.D
Acq: 08 May 2023 14:25

Instrument :
MSVOA_Y
ClientSampleId :
RBR-251675

Tgt Ion: 75 Resp: 76941
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.088 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013647.D
Acq: 08 May 2023 14:25

Tgt Ion: 75 Resp: 76941
Ion Ratio Lower Upper
75 100
53 0.5 73.2 109.8#
89 0.1 38.0 57.0#

