

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030124\
 Data File : VY017558.D
 Acq On : 01 Mar 2024 18:12
 Operator : SY/MD
 Sample : P1662-03
 Misc : 3.52g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-2520556

Quant Time: Mar 02 00:22:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

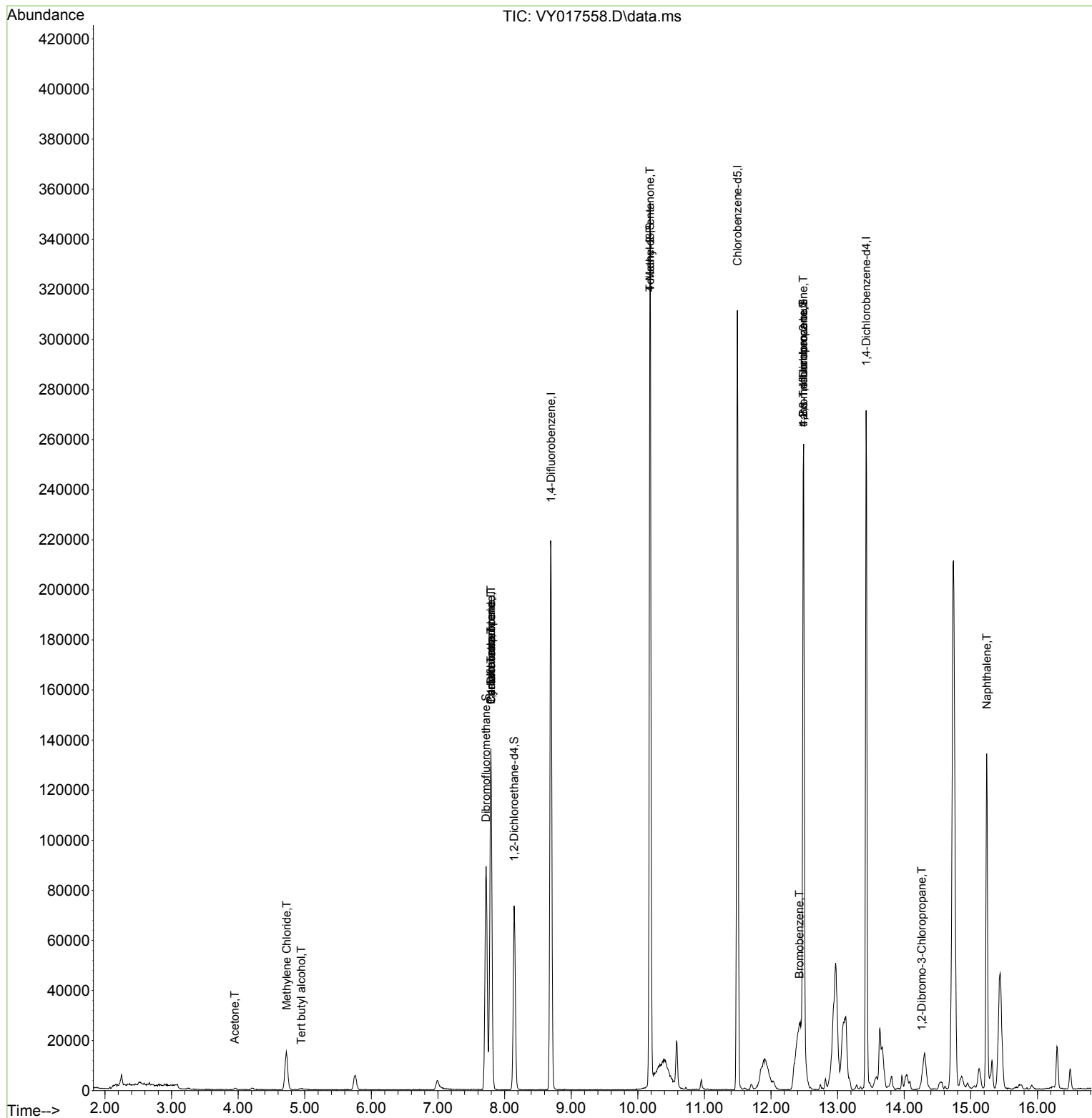
Internal Standards						
1) Pentafluorobenzene	7.795	168	110227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	199857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	176720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	53464	51.179	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.360%			
35) Dibromofluoromethane	7.722	113	64716	46.469	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.940%			
50) Toluene-d8	10.185	98	229524	47.137	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.280%			
62) 4-Bromofluorobenzene	12.483	95	70150	45.841	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.680%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	381	4.294	ug/l #	88
16) Acetone	3.948	43	1085	5.355	ug/l #	77
20) Methylene Chloride	4.729	84	11947	5.119	ug/l	86
31) Cyclohexane	7.795	56	1983	1.166	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	8164	4.345	ug/l #	47
38) Carbon Tetrachloride	7.795	117	10038	5.330	ug/l #	18
51) 4-Methyl-2-Pentanone	10.185	43	756	1.040	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	35754	52.698	ug/l #	100
77) Bromobenzene	12.428	156	37854	29.465	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	35754	121.089	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.263	75	322	2.514	ug/l #	1
95) Naphthalene	15.239	128	112206	50.242	ug/l	99

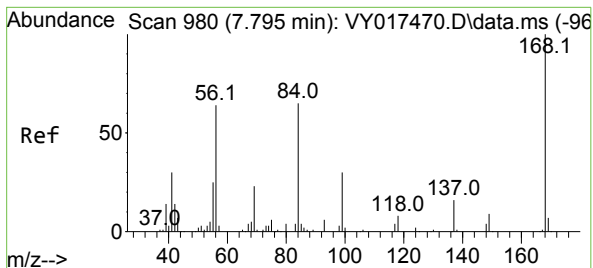
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Feb 24 04:41:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.795 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY017558.D

Acq: 01 Mar 2024 18:12

Instrument :

MSVOA_Y

ClientSampleId :

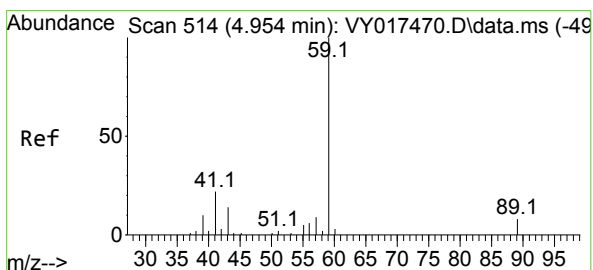
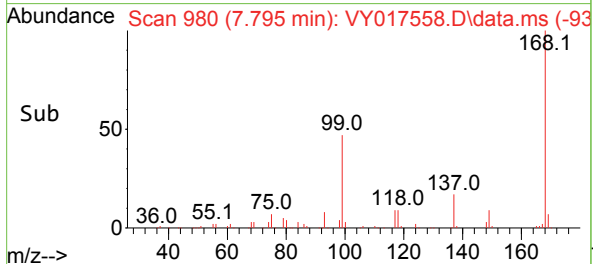
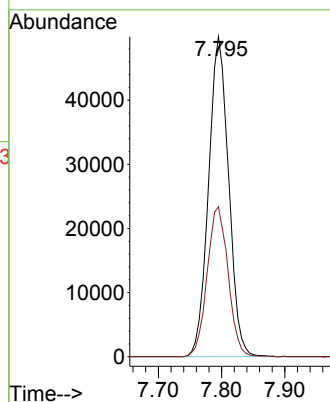
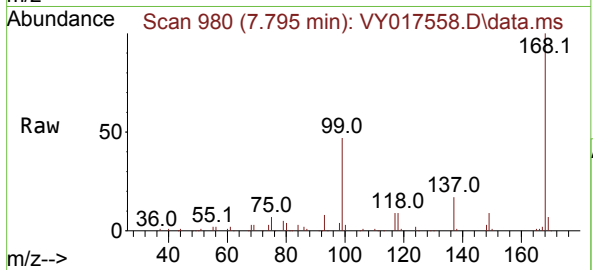
RBR-2520556

Tgt Ion:168 Resp: 110227

Ion Ratio Lower Upper

168 100

99 46.9 39.1 58.7



#11

Tert butyl alcohol

Concen: 4.294 ug/l

RT: 4.948 min Scan# 513

Delta R.T. -0.006 min

Lab File: VY017558.D

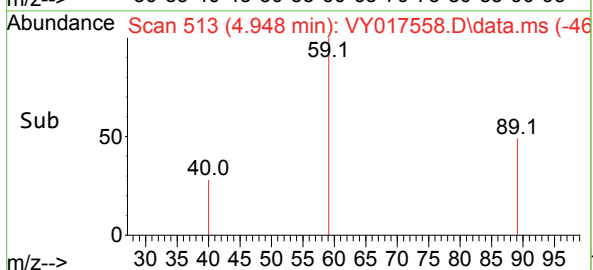
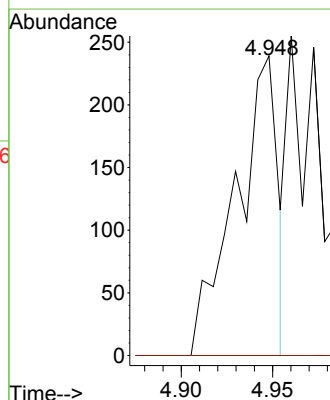
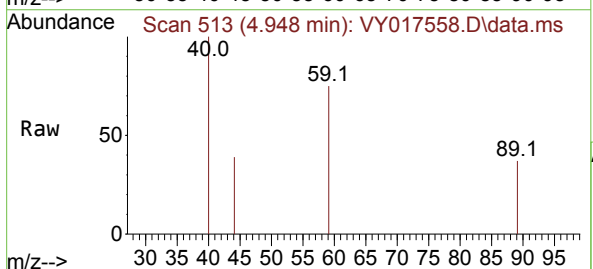
Acq: 01 Mar 2024 18:12

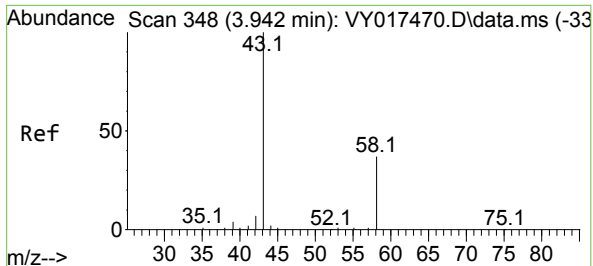
Tgt Ion: 59 Resp: 381

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#

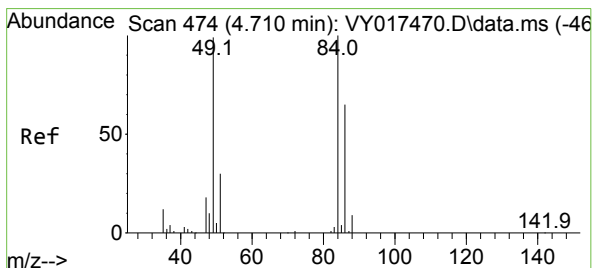
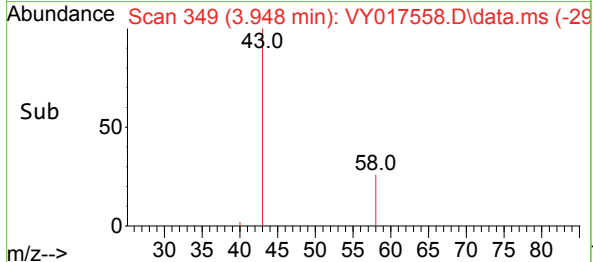
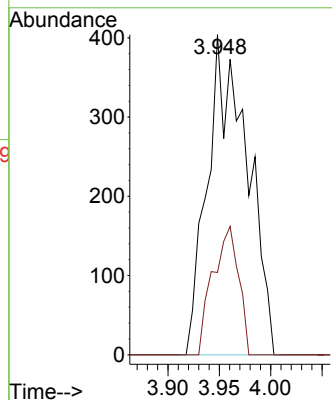
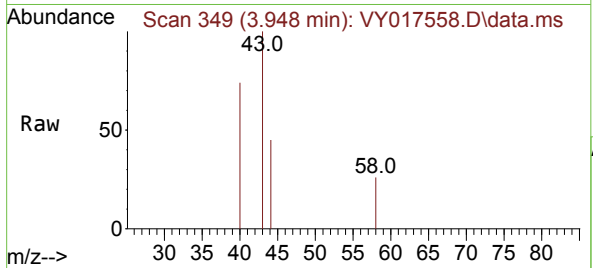




#16
Acetone
Concen: 5.355 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY017558.D
Acq: 01 Mar 2024 18:12

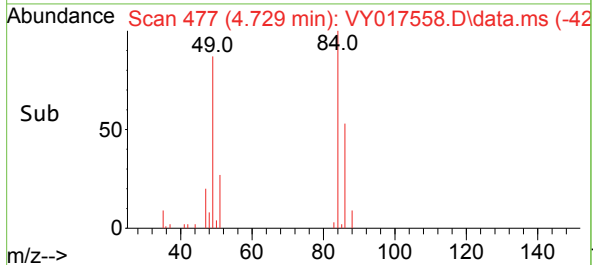
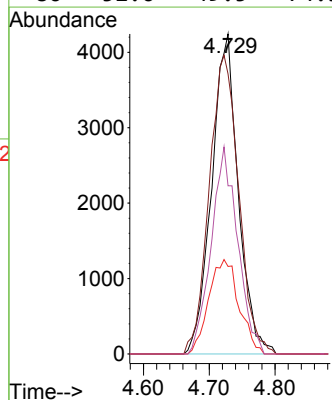
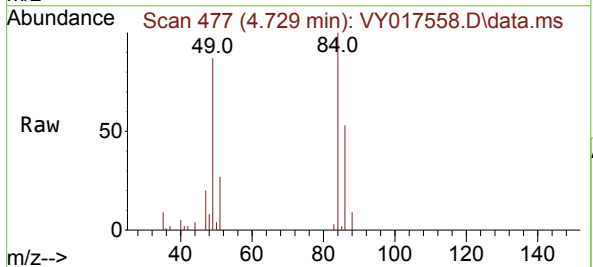
Instrument :
MSVOA_Y
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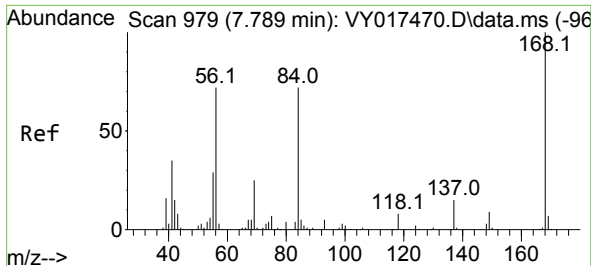
Tgt Ion: 43 Resp: 1085
Ion Ratio Lower Upper
43 100
58 25.7 31.7 47.5#



#20
Methylene Chloride
Concen: 5.119 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.019 min
Lab File: VY017558.D
Acq: 01 Mar 2024 18:12

Tgt Ion: 84 Resp: 11947
Ion Ratio Lower Upper
84 100
49 87.5 84.4 126.6
51 27.4 26.0 39.0
86 52.6 49.5 74.3

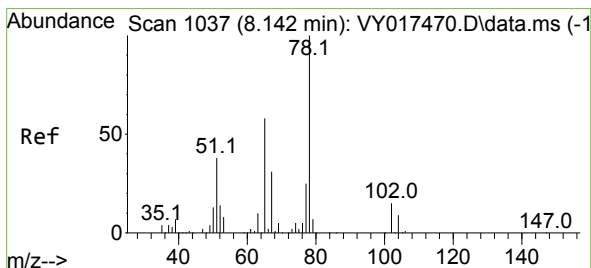
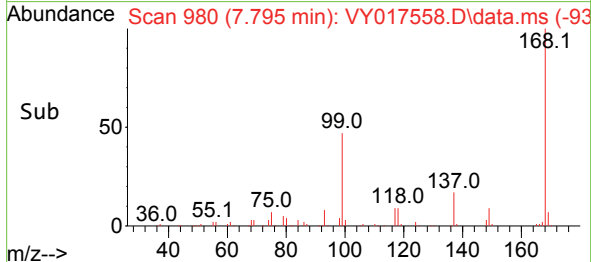
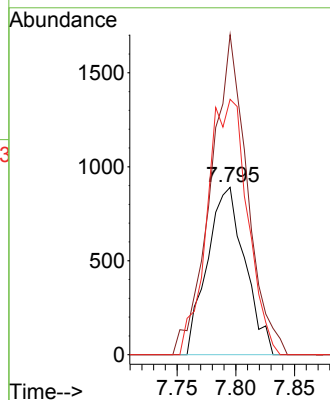
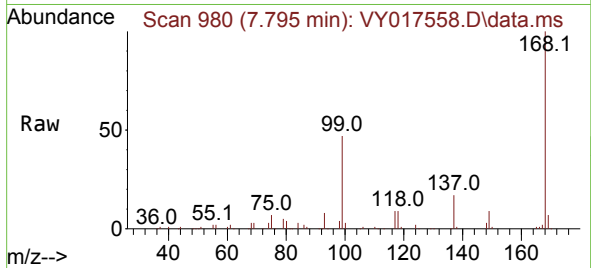




#31
Cyclohexane
Concen: 1.166 ug/l
RT: 7.795 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY017558.D
Acq: 01 Mar 2024 18:12

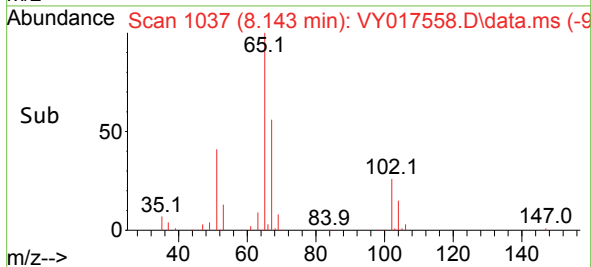
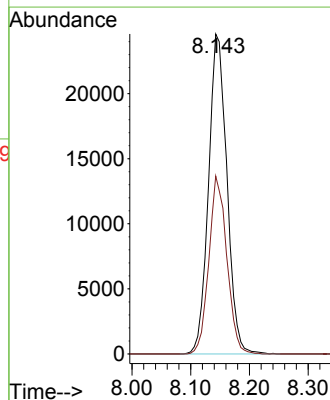
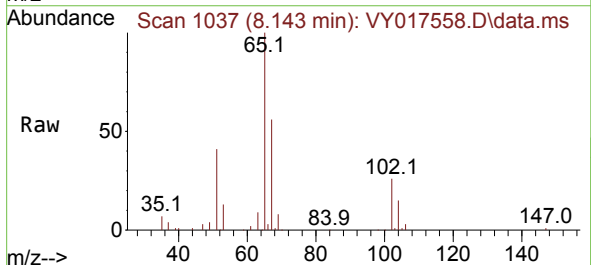
Instrument :
MSVOA_Y
ClientSampleId :
RBR-2520556

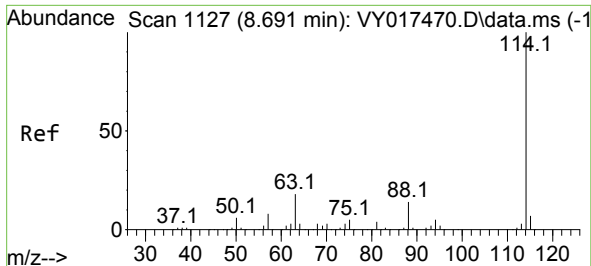
Tgt Ion: 56 Resp: 1983
Ion Ratio Lower Upper
56 100
69 181.6 28.7 43.1#
84 152.5 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 51.179 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY017558.D
Acq: 01 Mar 2024 18:12

Tgt Ion: 65 Resp: 53464
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY017558.D

Acq: 01 Mar 2024 18:12

Instrument :

MSVOA_Y

ClientSampleId :

RBR-2520556

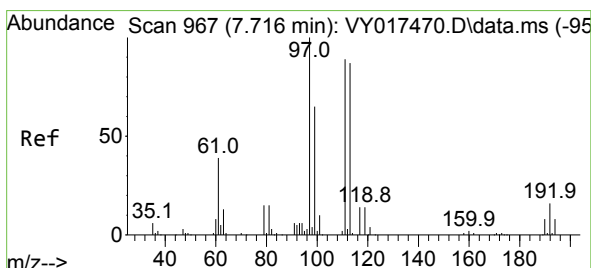
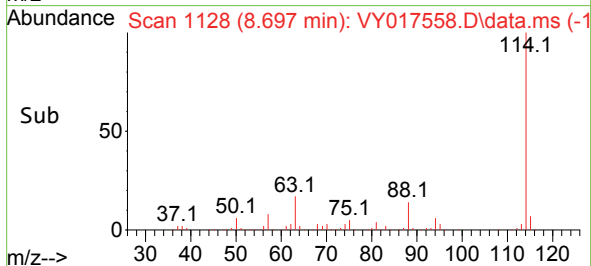
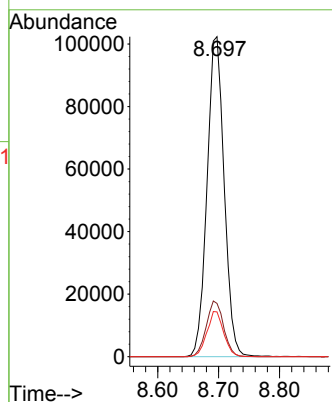
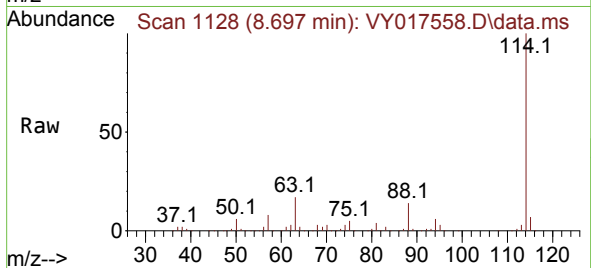
Tgt Ion:114 Resp: 199857

Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.0

88 14.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 46.469 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY017558.D

Acq: 01 Mar 2024 18:12

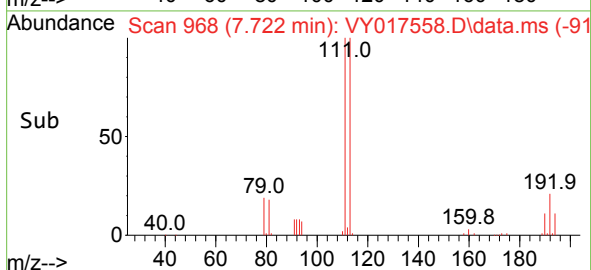
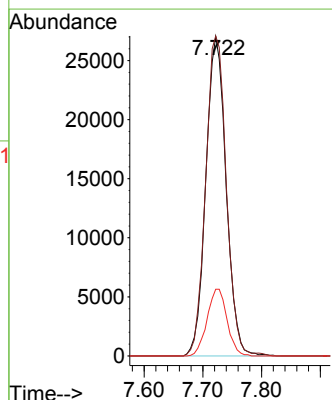
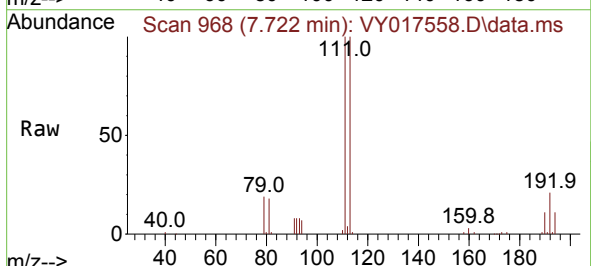
Tgt Ion:113 Resp: 64716

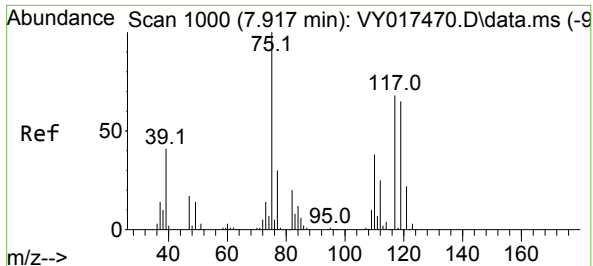
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

192 20.6 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.345 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY017558.D

Acq: 01 Mar 2024 18:12

Instrument :

MSVOA_Y

ClientSampleId :

RBR-2520556

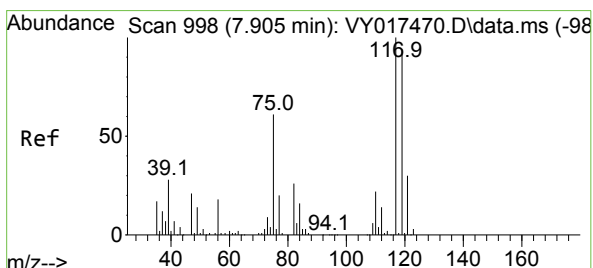
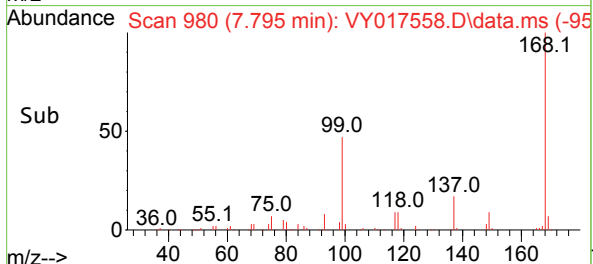
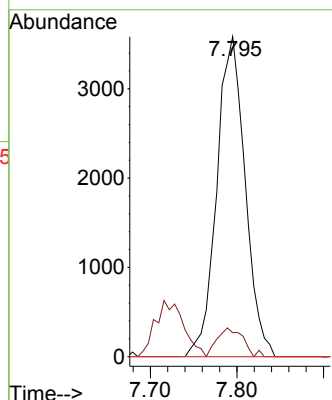
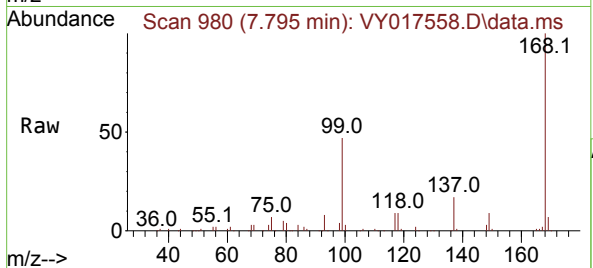
Tgt Ion: 75 Resp: 8164

Ion Ratio Lower Upper

75 100

110 8.2 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.330 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY017558.D

Acq: 01 Mar 2024 18:12

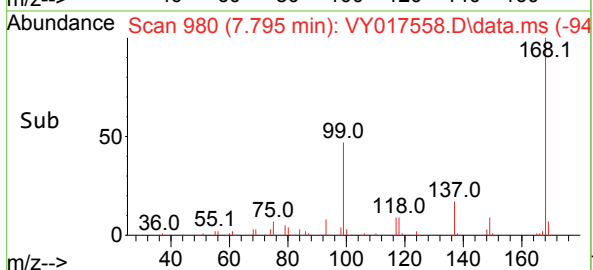
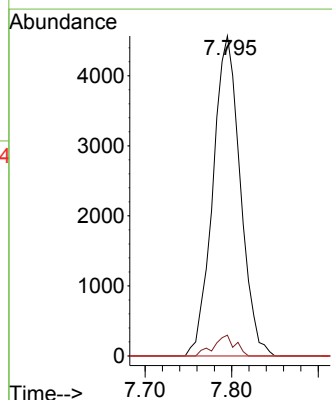
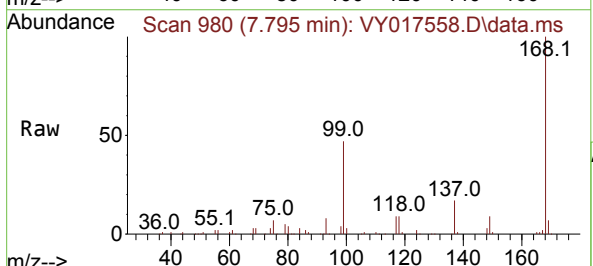
Tgt Ion: 117 Resp: 10038

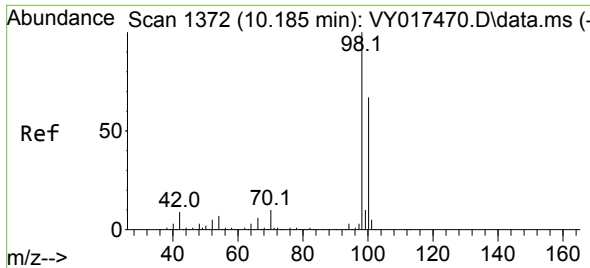
Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.6#

121 0.0 24.0 36.0#

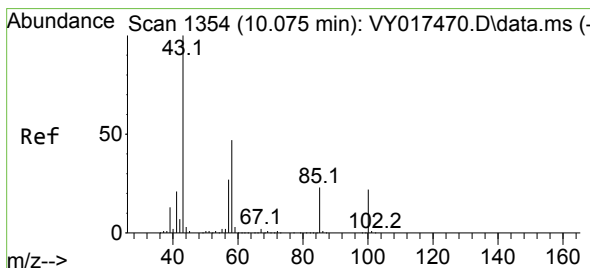
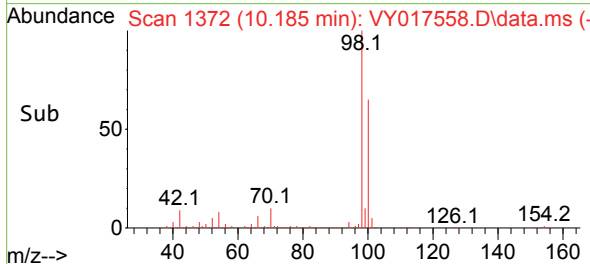
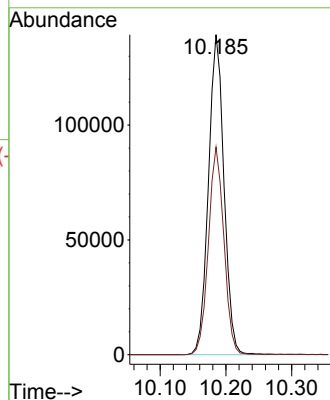
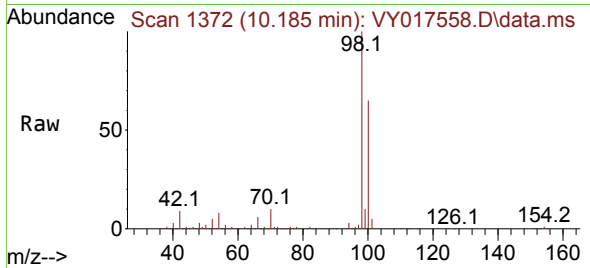




#50
Toluene-d8
Concen: 47.137 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017558.D
Acq: 01 Mar 2024 18:12

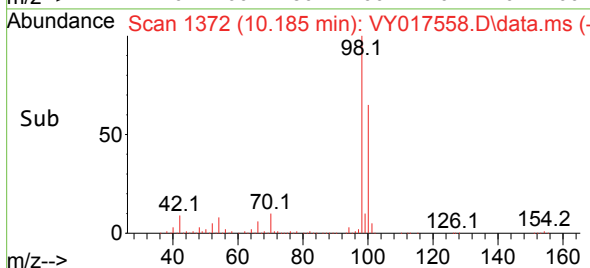
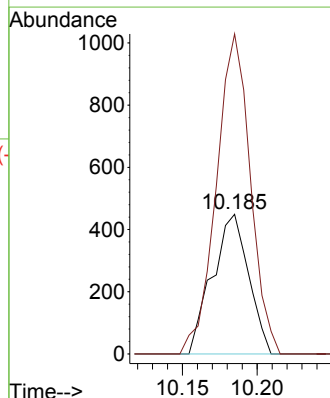
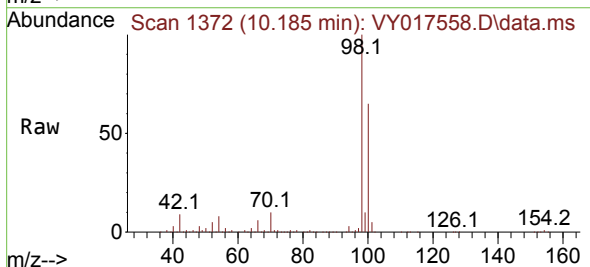
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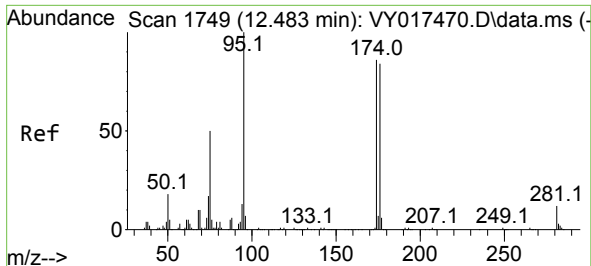
Tgt Ion: 98 Resp: 229524
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.040 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY017558.D
Acq: 01 Mar 2024 18:12

Tgt Ion: 43 Resp: 756
Ion Ratio Lower Upper
43 100
58 214.9 35.7 53.5#

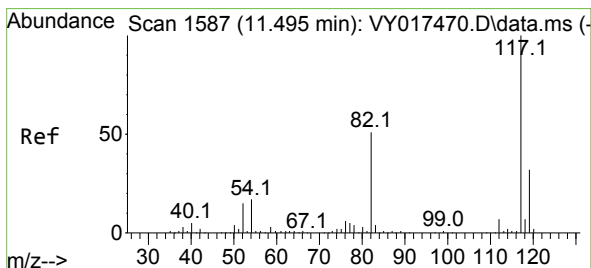
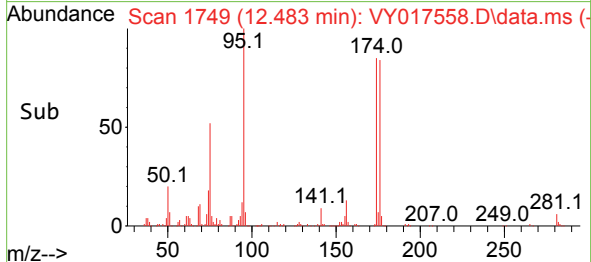
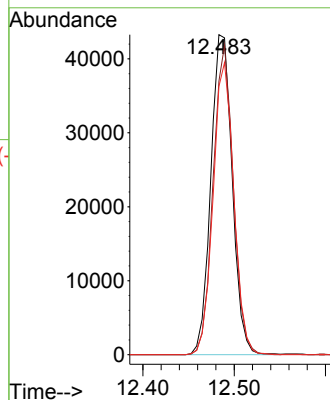
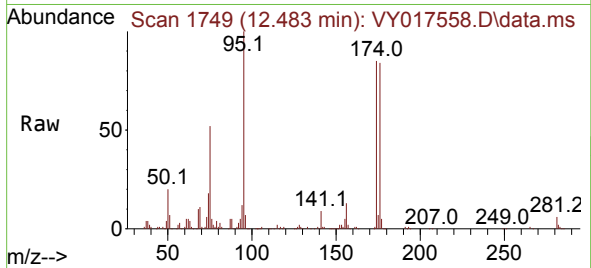




#62
4-Bromofluorobenzene
Concen: 45.841 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY017558.D
Acq: 01 Mar 2024 18:12

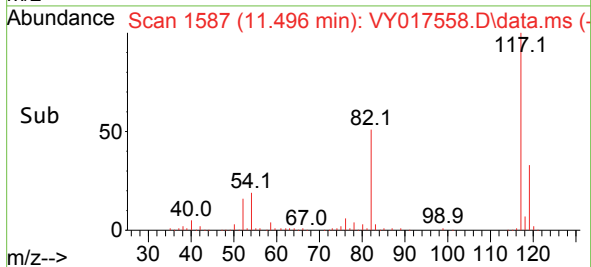
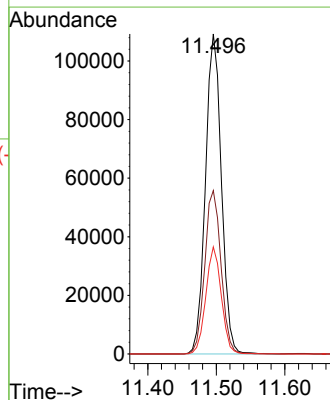
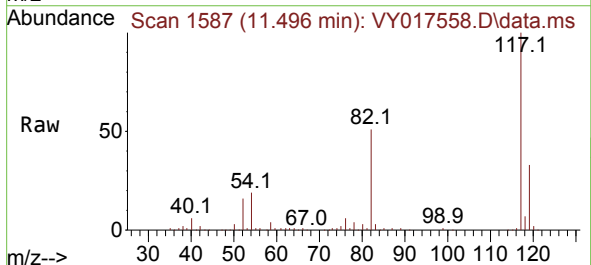
Instrument :
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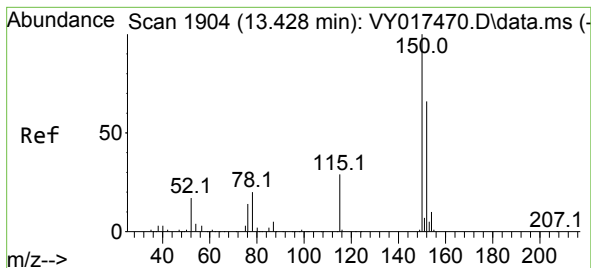
Tgt Ion: 95 Resp: 70150
Ion Ratio Lower Upper
95 100
174 91.5 0.0 175.6
176 88.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY017558.D
Acq: 01 Mar 2024 18:12

Tgt Ion: 117 Resp: 176720
Ion Ratio Lower Upper
117 100
82 51.1 42.4 63.6
119 33.5 25.9 38.9

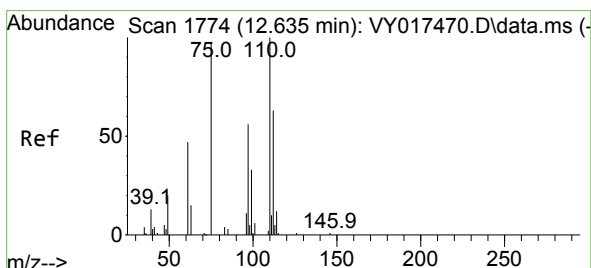
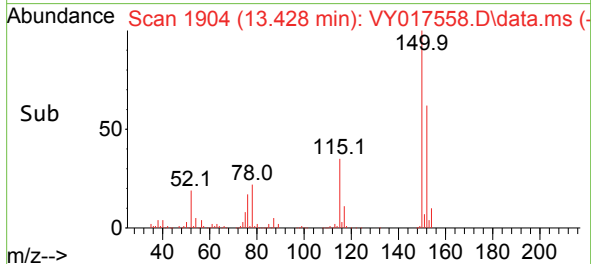
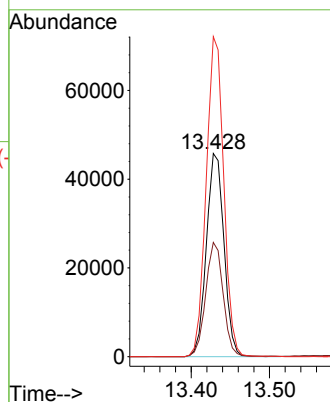
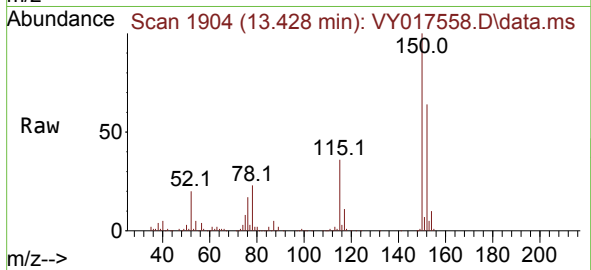




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY017558.D
Acq: 01 Mar 2024 18:12

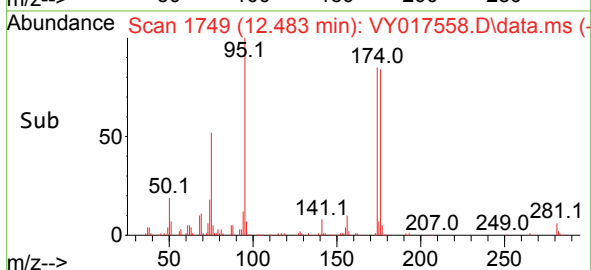
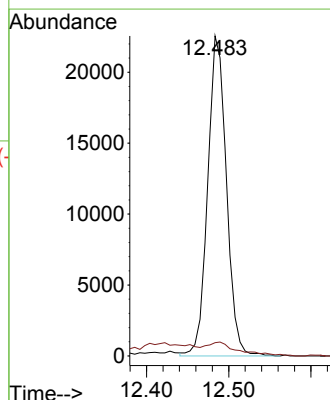
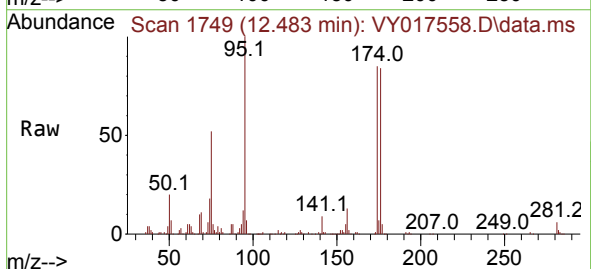
Instrument :
MSVOA_Y
ClientSampleId :
RBR-2520556

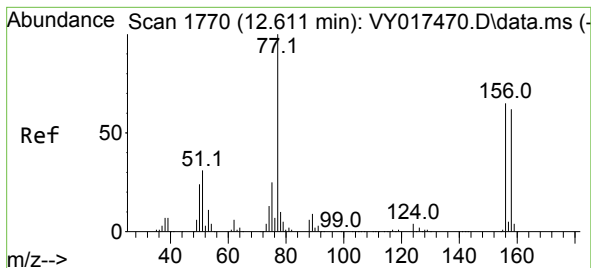
Tgt Ion:	152	Resp:	71406
Ion Ratio	Lower	Upper	
152	100		
115	55.8	28.2	84.7
150	156.4	0.0	345.6



#76
1,2,3-Trichloropropane
Concen: 52.698 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY017558.D
Acq: 01 Mar 2024 18:12

Tgt Ion:	75	Resp:	35754
Ion Ratio	Lower	Upper	
75	100		
77	7.3	0.0	0.0#





#77

Bromobenzene

Concen: 29.465 ug/l

RT: 12.428 min Scan# 1740

Delta R.T. -0.183 min

Lab File: VY017558.D

Acq: 01 Mar 2024 18:12

Instrument :

MSVOA_Y

ClientSampleId :

RBR-2520556

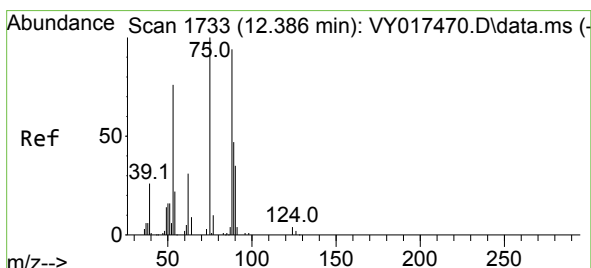
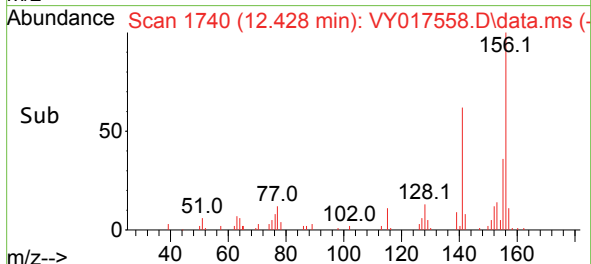
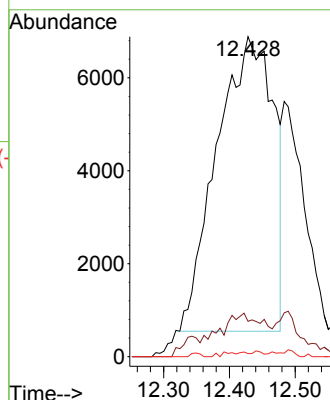
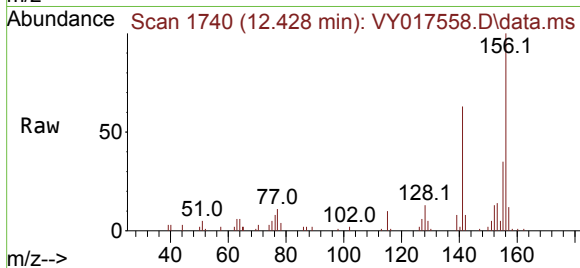
Tgt Ion:156 Resp: 37854

Ion Ratio Lower Upper

156 100

77 9.7 87.1 261.3#

158 0.3 48.6 145.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.089 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.098 min

Lab File: VY017558.D

Acq: 01 Mar 2024 18:12

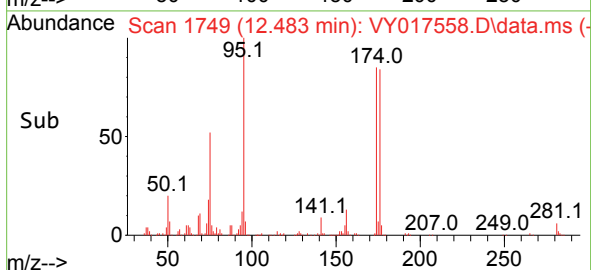
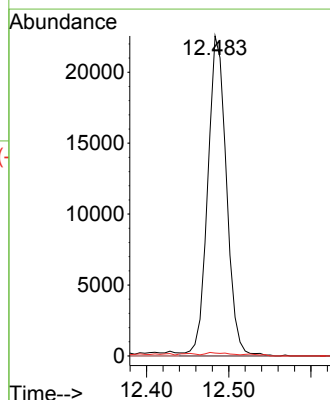
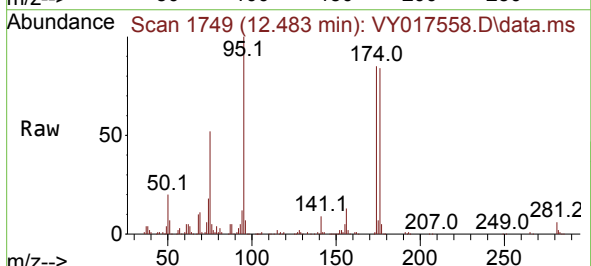
Tgt Ion: 75 Resp: 35754

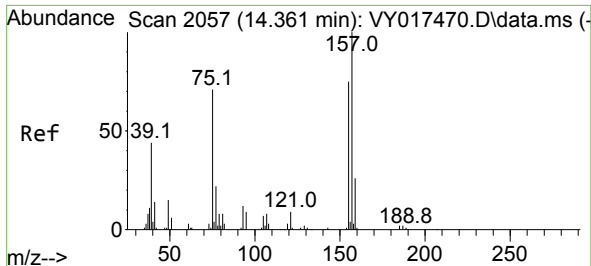
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 1.3 35.8 53.6#

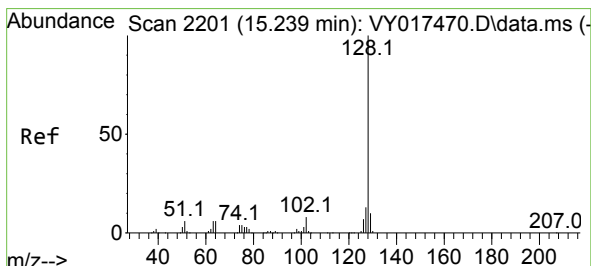
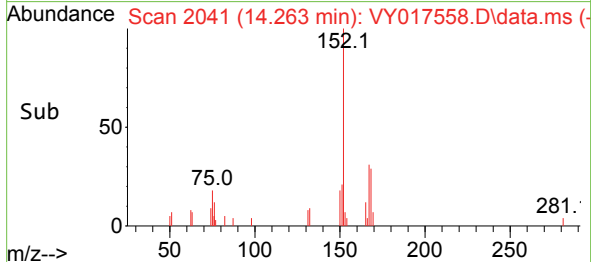
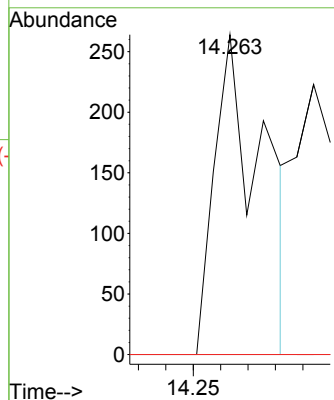
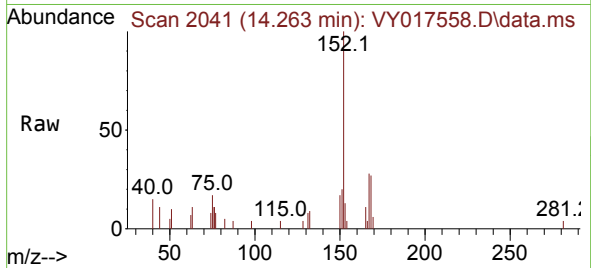




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.514 ug/l
RT: 14.263 min Scan# 2057
Delta R.T. -0.097 min
Lab File: VY017558.D
Acq: 01 Mar 2024 18:12

Instrument :
MSVOA_Y
ClientSampleId :
RBR-2520556

Tgt Ion: 75 Resp: 322
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#



#95
Naphthalene
Concen: 50.242 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY017558.D
Acq: 01 Mar 2024 18:12

Tgt Ion:128 Resp: 112206
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.9 8.6 13.0

