

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120922\
 Data File : VY011753.D
 Acq On : 09 Dec 2022 19:14
 Operator : KP/MD
 Sample : N5963-04
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200046-03

Quant Time: Dec 10 03:57:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 03:30:20 2022
 Response via : Initial Calibration

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

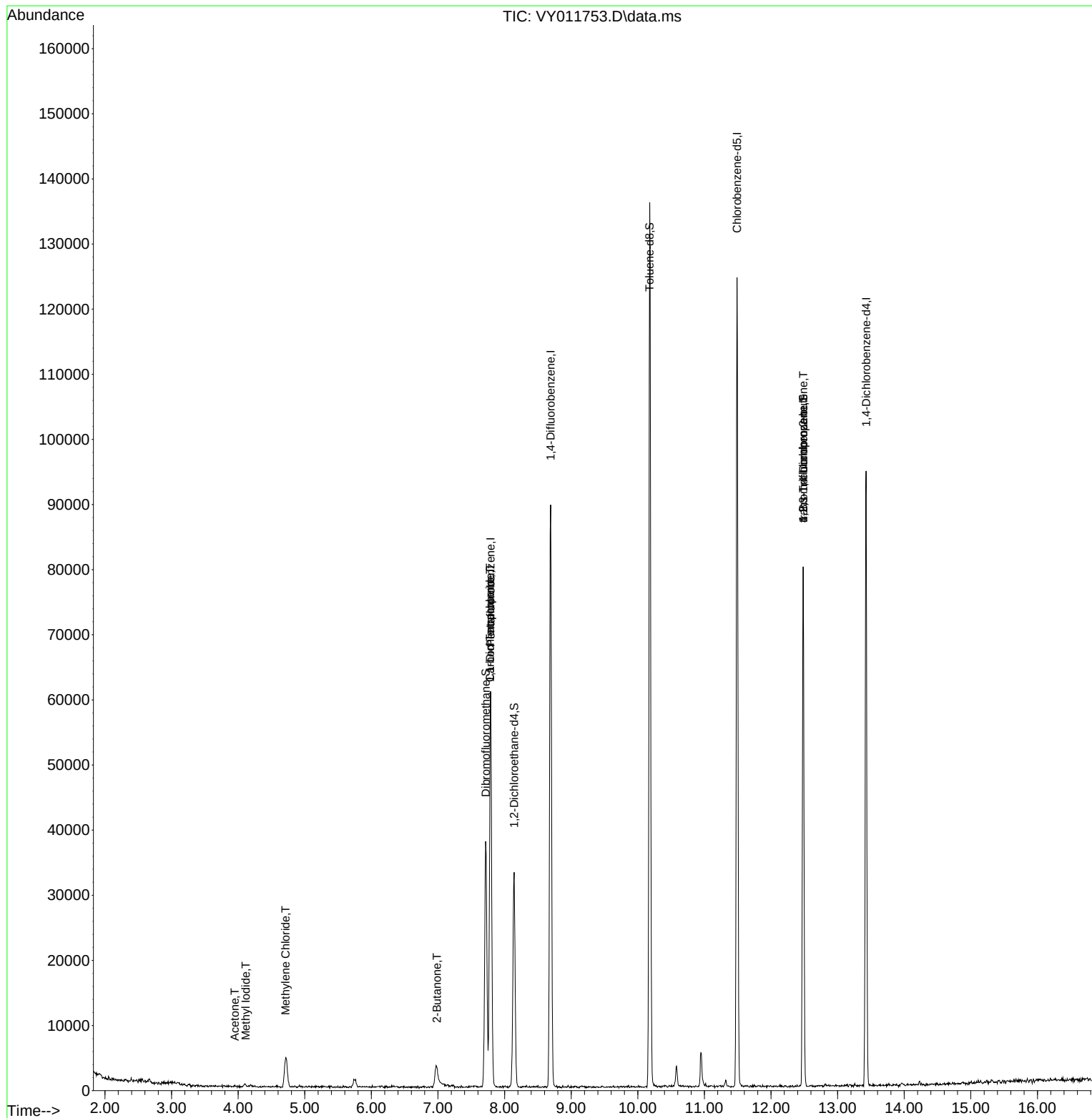
Internal Standards						
1) Pentafluorobenzene	7.789	168	47184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	78531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	69543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	25734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	26617	86.131	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 172.260%#			
35) Dibromofluoromethane	7.716	113	26607	78.472	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 156.940%#			
50) Toluene-d8	10.179	98	91723	84.803	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 169.600%#			
62) 4-Bromofluorobenzene	12.483	95	24317	53.751	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.500%			
Target Compounds						Qvalue
3) Chloromethane	2.119	50	149	Below Cal	#	70
4) Vinyl Chloride	2.320	62	19	Below Cal	#	43
5) Bromomethane	2.674	94	228	Below Cal	#	72
10) Methyl Iodide	4.113	142	535	1.180	ug/l #	55
11) Tert butyl alcohol	4.948	59	108	Below Cal	#	74
16) Acetone	3.948	43	195	1.514	ug/l #	40
20) Methylene Chloride	4.710	84	3669	2.408	ug/l	91
25) 2-Butanone	6.984	43	176	1.062	ug/l #	46
31) Cyclohexane	7.789	56	913	Below Cal	#	12
36) 1,1-Dichloropropene	7.783	75	3572	5.994	ug/l #	49
38) Carbon Tetrachloride	7.783	117	4791	6.844	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	12289	47.200	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	12289	107.106	ug/l #	13

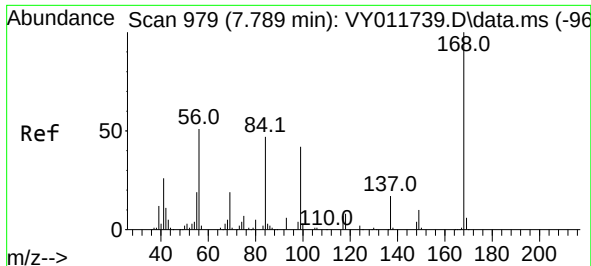
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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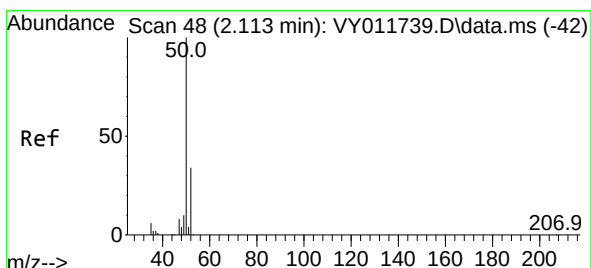
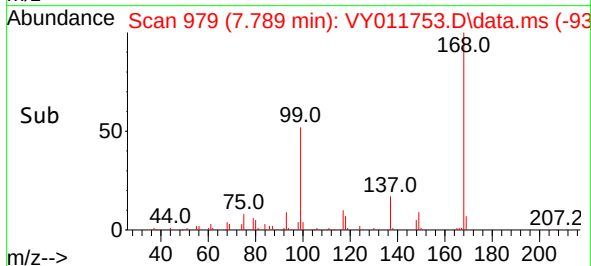
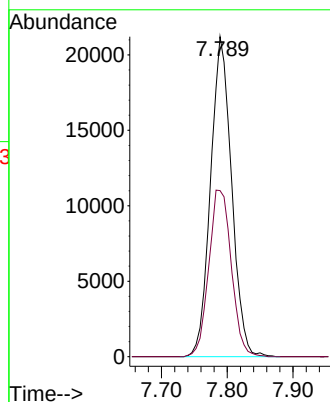
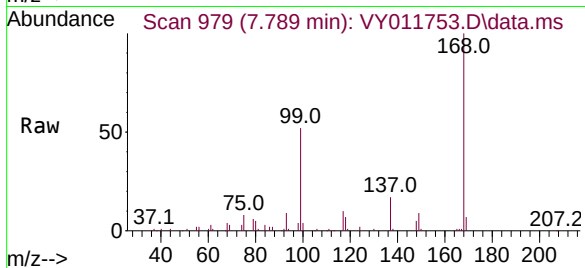




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011753.D
Acq: 09 Dec 2022 19:14

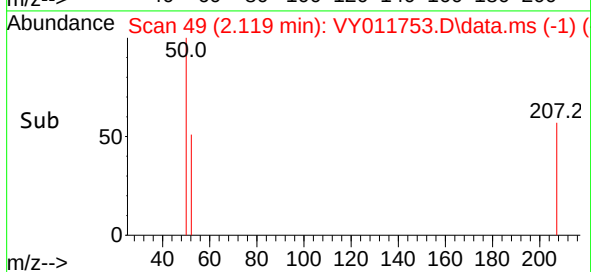
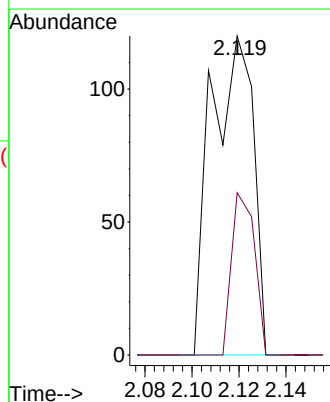
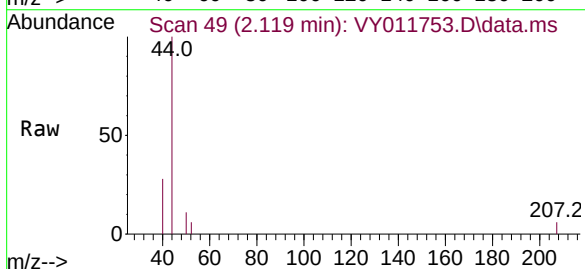
Instrument :
MSVOA_Y
ClientSampleId :
RBR200046-03

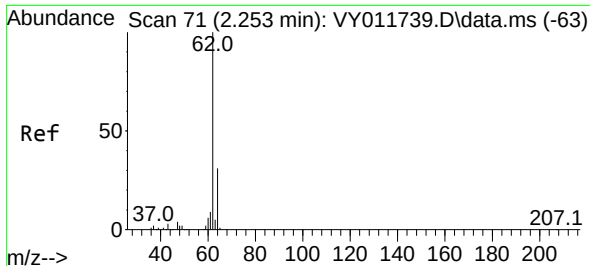
Tgt Ion:168 Resp: 47184
Ion Ratio Lower Upper
168 100
99 51.9 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011753.D
Acq: 09 Dec 2022 19:14

Tgt Ion: 50 Resp: 149
Ion Ratio Lower Upper
50 100
52 50.8 26.8 40.2#

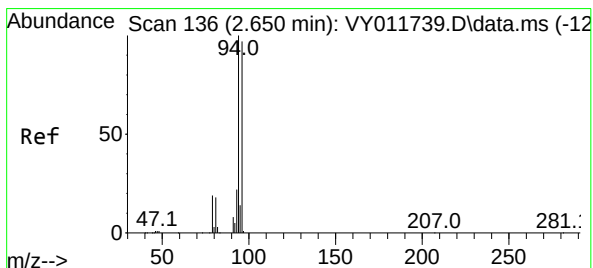
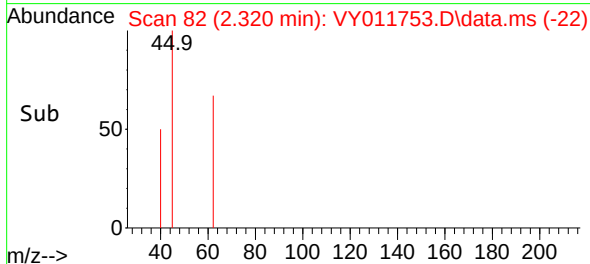
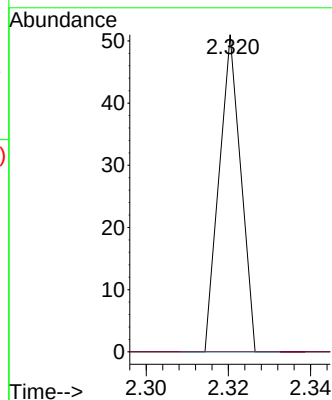
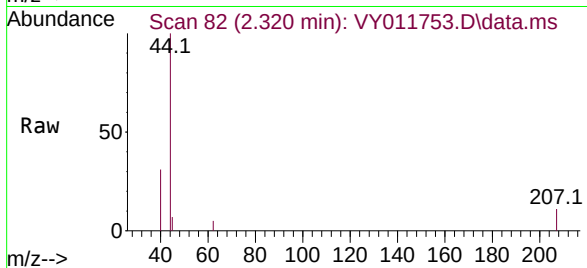




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.320 min Scan# 81
 Delta R.T. 0.067 min
 Lab File: VY011753.D
 Acq: 09 Dec 2022 19:14

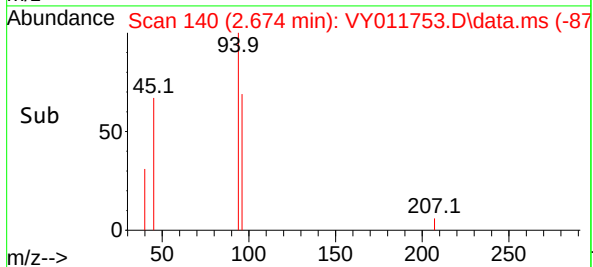
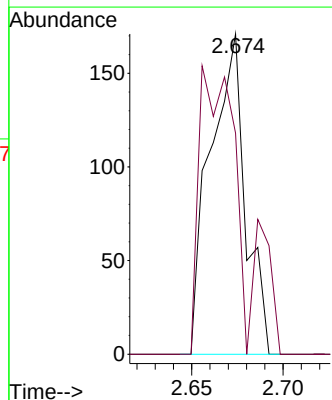
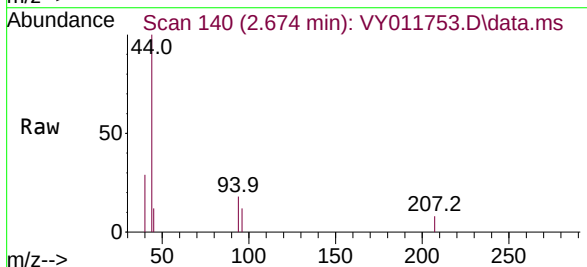
Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200046-03

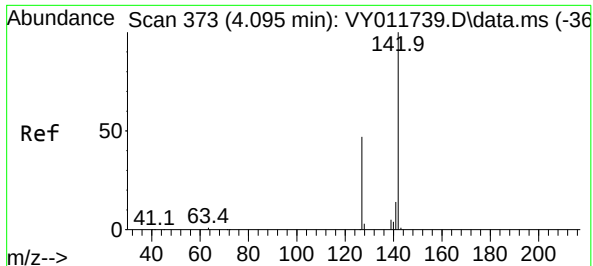
Tgt Ion: 62 Resp: 19
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.674 min Scan# 140
 Delta R.T. 0.024 min
 Lab File: VY011753.D
 Acq: 09 Dec 2022 19:14

Tgt Ion: 94 Resp: 228
 Ion Ratio Lower Upper
 94 100
 96 69.0 77.4 116.2#





#10

Methyl Iodide

Concen: 1.180 ug/l

RT: 4.113 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY011753.D

Acq: 09 Dec 2022 19:14

Instrument :

MSVOA_Y

ClientSampleId :

RBR200046-03

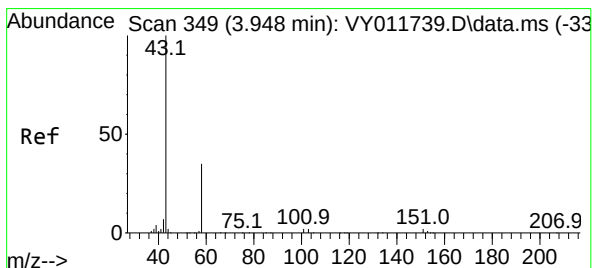
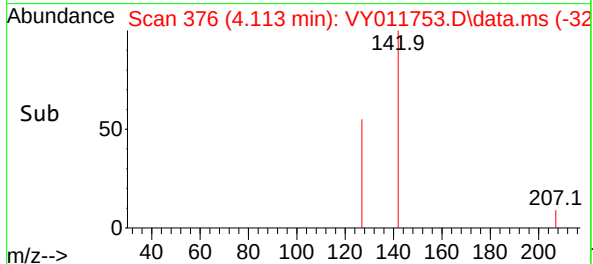
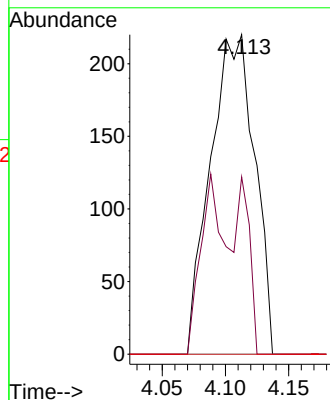
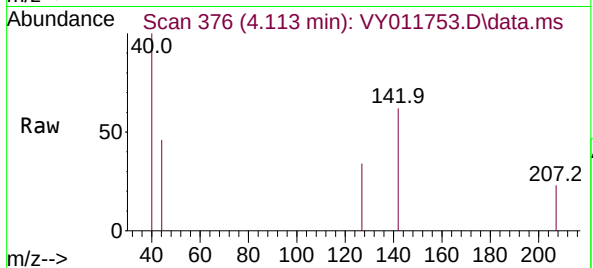
Tgt Ion:142 Resp: 535

Ion Ratio Lower Upper

142 100

127 14.4 37.0 55.4#

141 0.0 11.4 17.0#



#16

Acetone

Concen: 1.514 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY011753.D

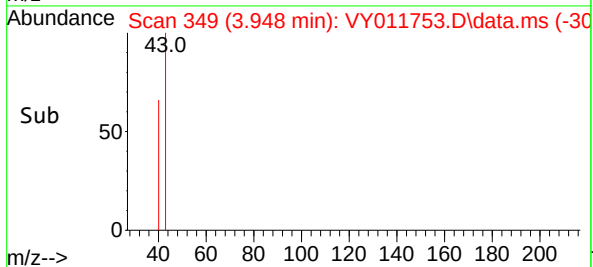
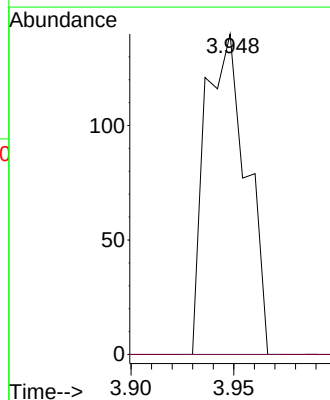
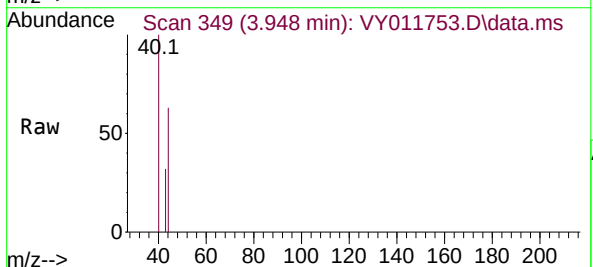
Acq: 09 Dec 2022 19:14

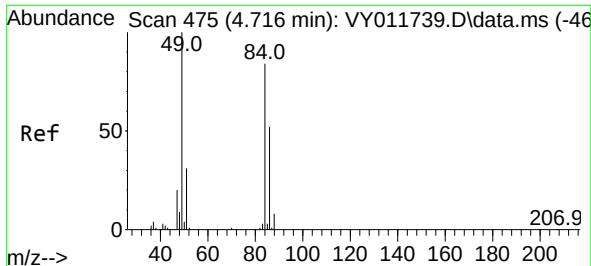
Tgt Ion: 43 Resp: 195

Ion Ratio Lower Upper

43 100

58 0.0 27.9 41.9#

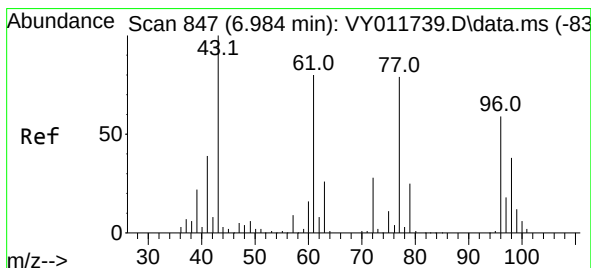
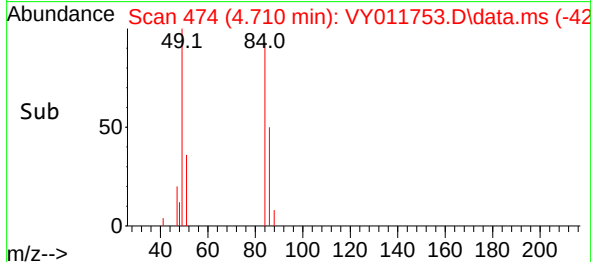
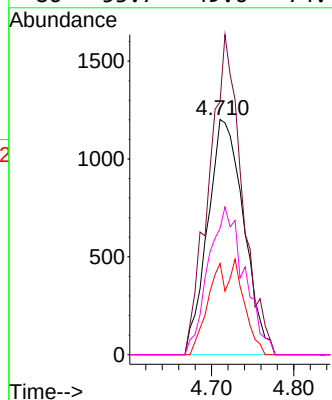
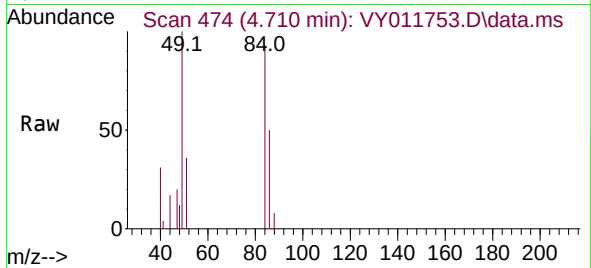




#20
Methylene Chloride
Concen: 2.408 ug/l
RT: 4.710 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY011753.D
Acq: 09 Dec 2022 19:14

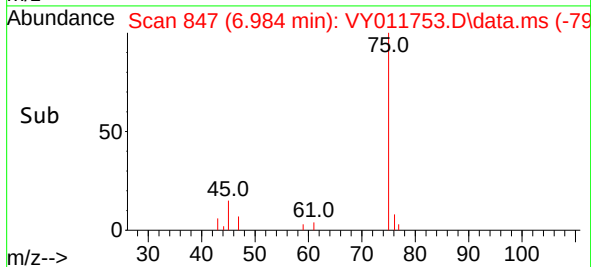
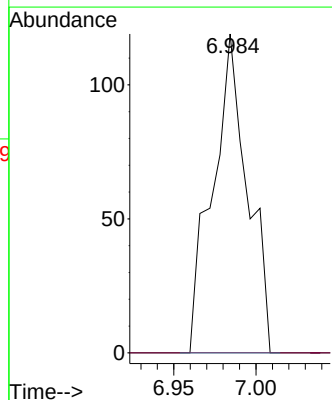
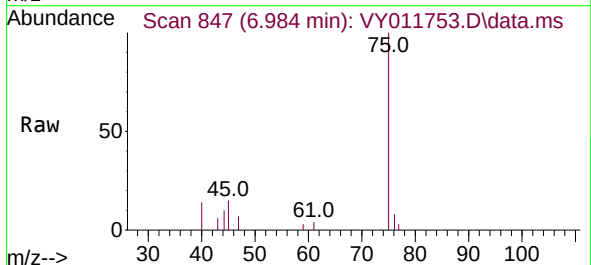
Instrument :
MSVOA_Y
ClientSampleId :
RBR200046-03

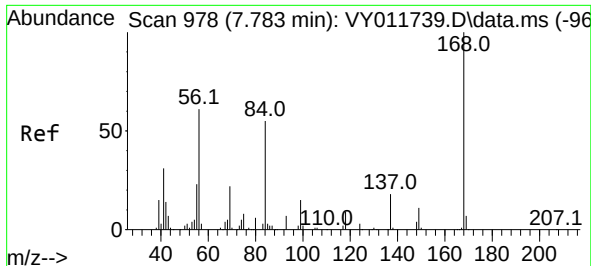
Tgt Ion:	84	Resp:	3669
Ion	Ratio	Lower	Upper
84	100		
49	107.5	95.4	143.2
51	38.8	29.9	44.9
86	53.7	49.6	74.4



#25
2-Butanone
Concen: 1.062 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY011753.D
Acq: 09 Dec 2022 19:14

Tgt Ion:	43	Resp:	176
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.6	34.0#

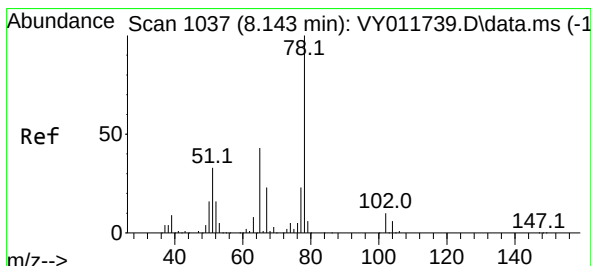
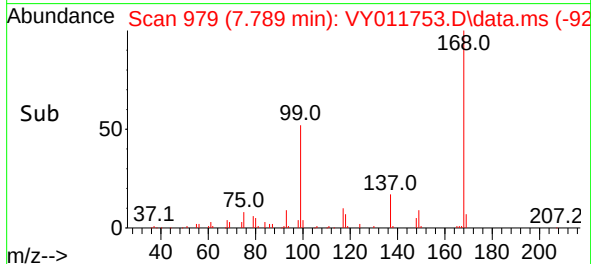
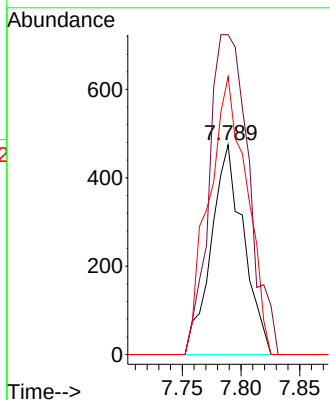
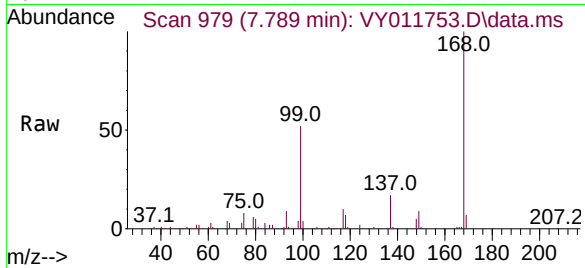




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 913
Delta R.T. 0.006 min
Lab File: VY011753.D
Acq: 09 Dec 2022 19:14

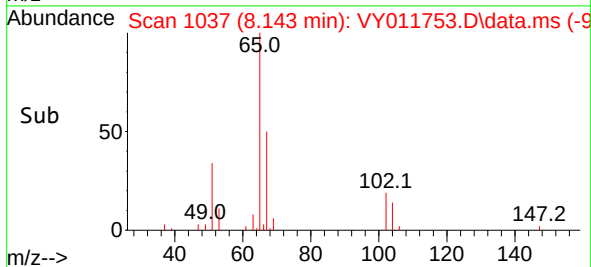
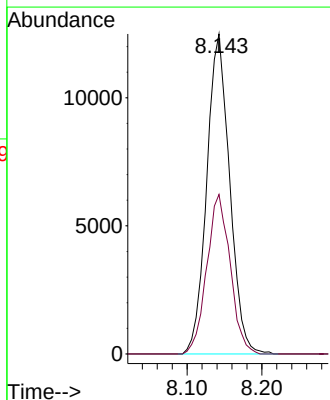
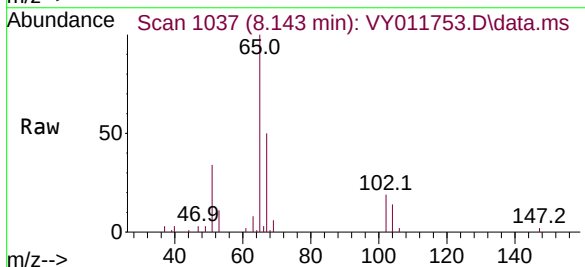
Instrument :
MSVOA_Y
ClientSampleId :
RBR200046-03

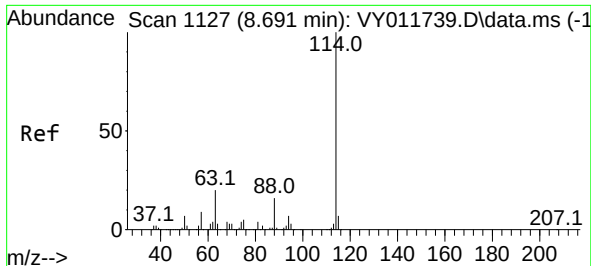
Tgt Ion: 56 Resp: 913
Ion Ratio Lower Upper
56 100
69 152.4 29.2 43.8#
84 132.4 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 86.131 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011753.D
Acq: 09 Dec 2022 19:14

Tgt Ion: 65 Resp: 26617
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011753.D

Acq: 09 Dec 2022 19:14

Instrument :

MSVOA_Y

ClientSampleId :

RBR200046-03

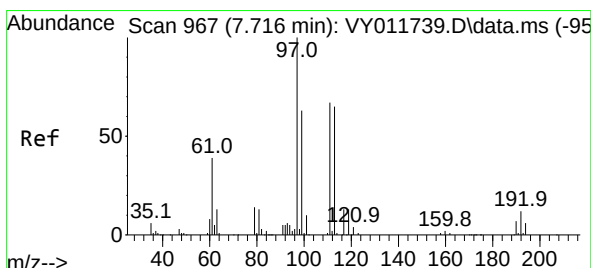
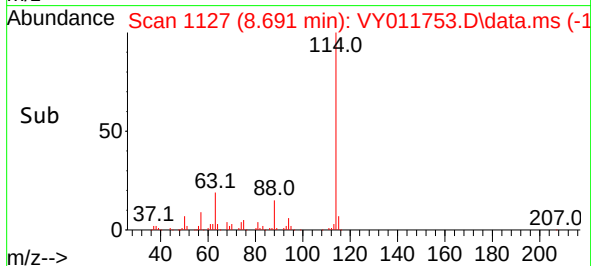
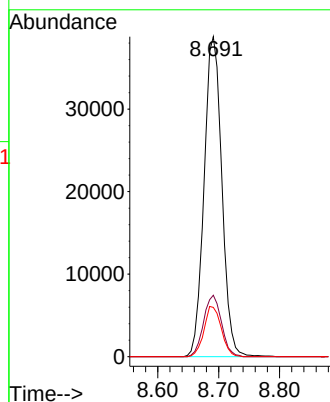
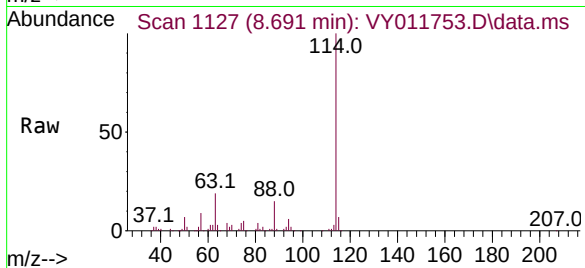
Tgt Ion:114 Resp: 78531

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 78.472 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011753.D

Acq: 09 Dec 2022 19:14

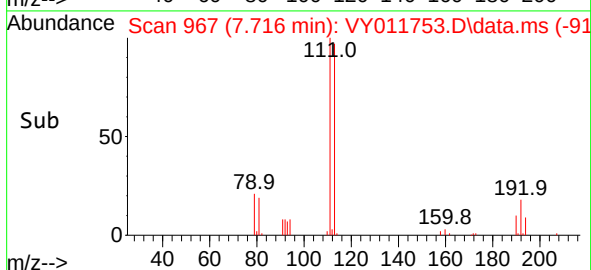
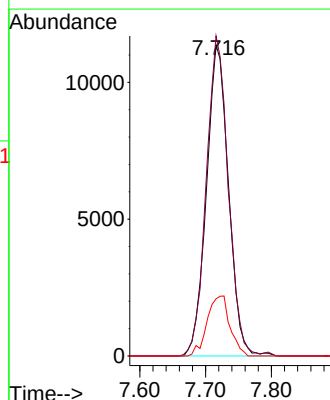
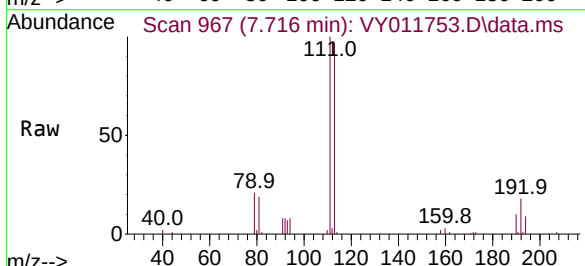
Tgt Ion:113 Resp: 26607

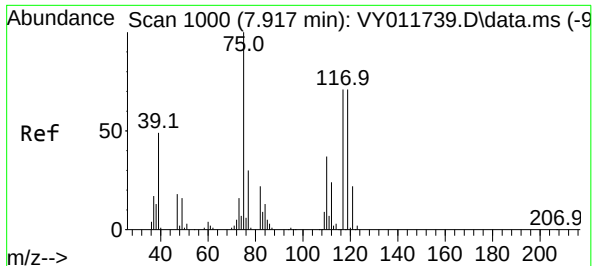
Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.4

192 19.8 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.994 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011753.D

Acq: 09 Dec 2022 19:14

Instrument :

MSVOA_Y

ClientSampleId :

RBR200046-03

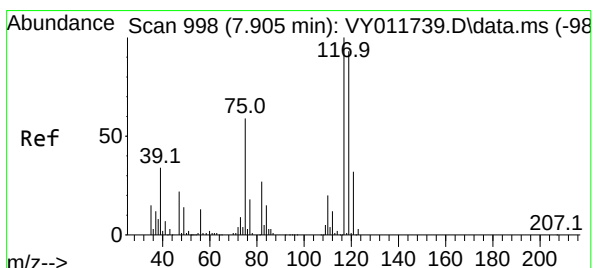
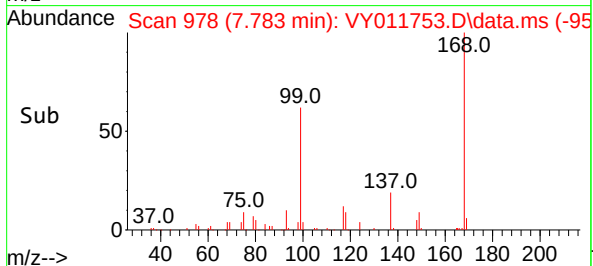
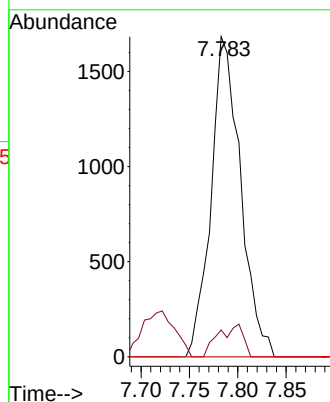
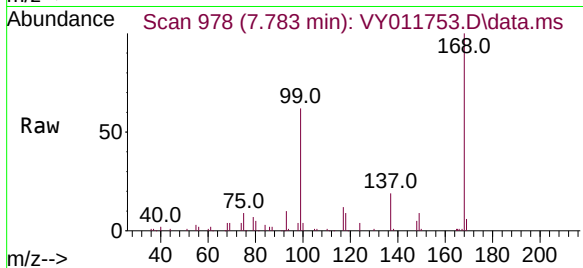
Tgt Ion: 75 Resp: 3572

Ion Ratio Lower Upper

75 100

110 8.5 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.844 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.122 min

Lab File: VY011753.D

Acq: 09 Dec 2022 19:14

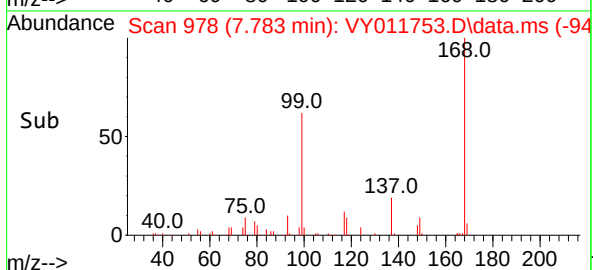
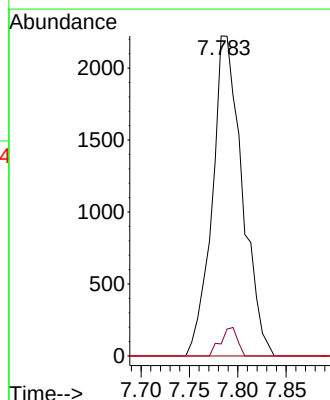
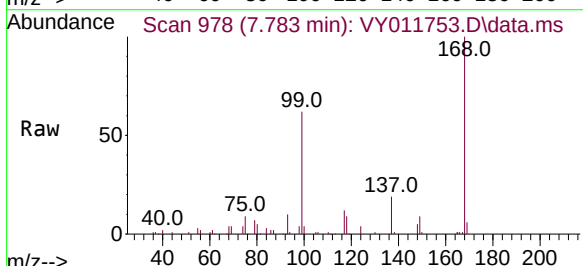
Tgt Ion: 117 Resp: 4791

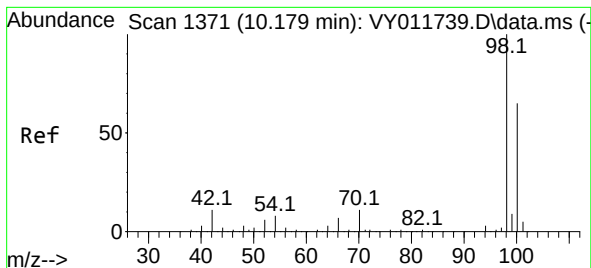
Ion Ratio Lower Upper

117 100

119 3.7 73.8 110.8#

121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 84.803 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY011753.D

Acq: 09 Dec 2022 19:14

Instrument :

MSVOA_Y

ClientSampleId :

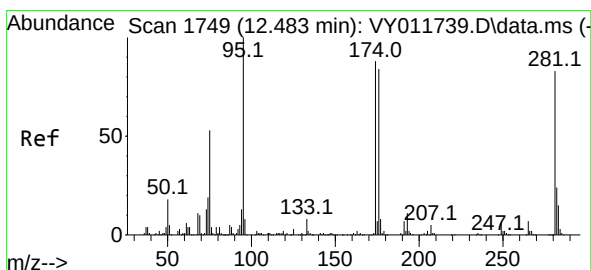
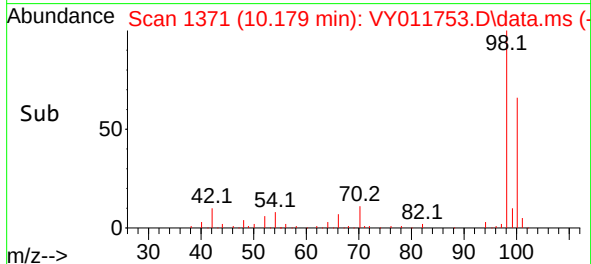
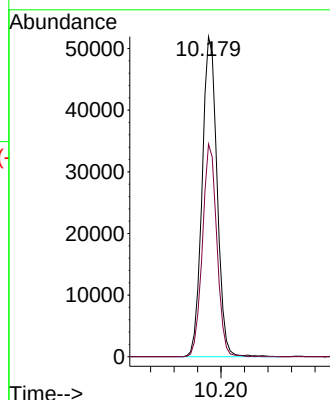
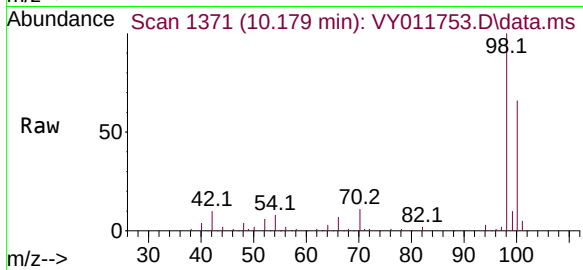
RBR200046-03

Tgt Ion: 98 Resp: 91723

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 53.751 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY011753.D

Acq: 09 Dec 2022 19:14

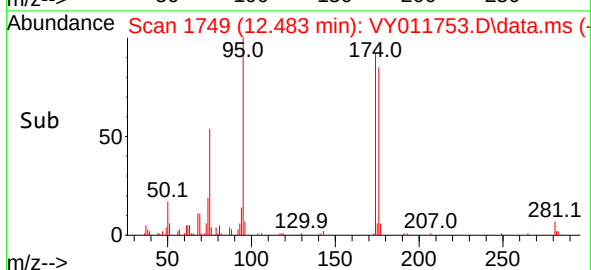
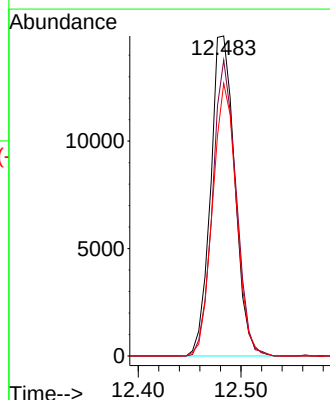
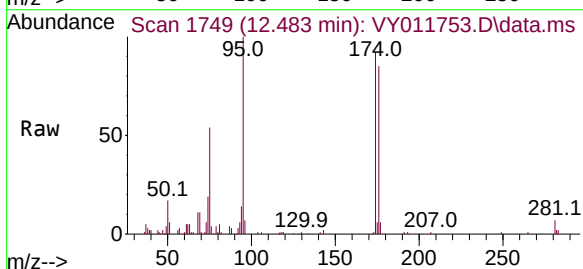
Tgt Ion: 95 Resp: 24317

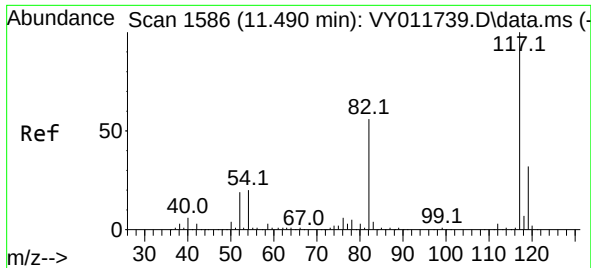
Ion Ratio Lower Upper

95 100

174 89.4 0.0 172.0

176 83.8 0.0 167.6

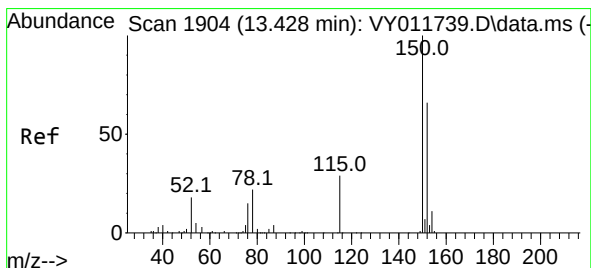
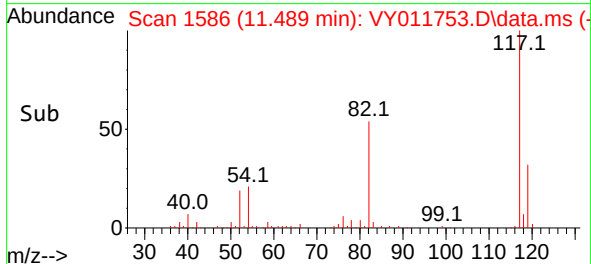
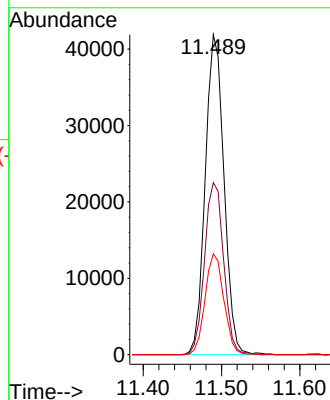
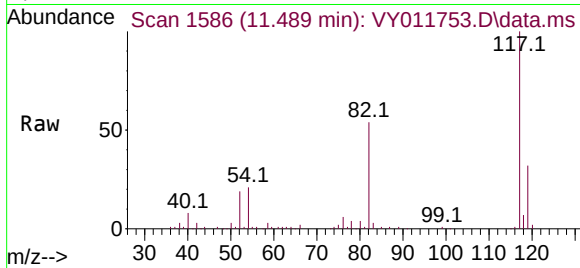




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011753.D
Acq: 09 Dec 2022 19:14

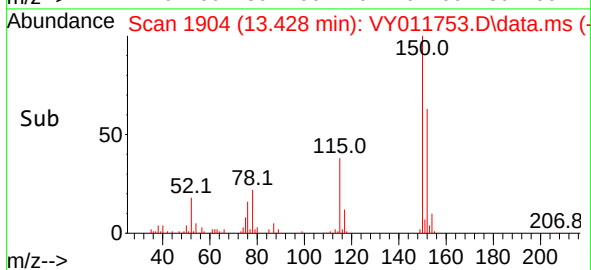
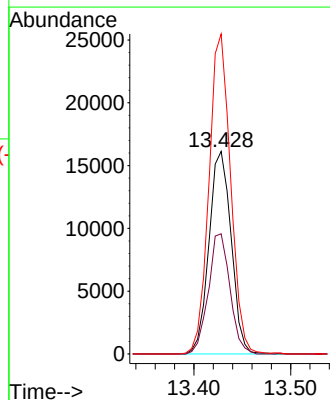
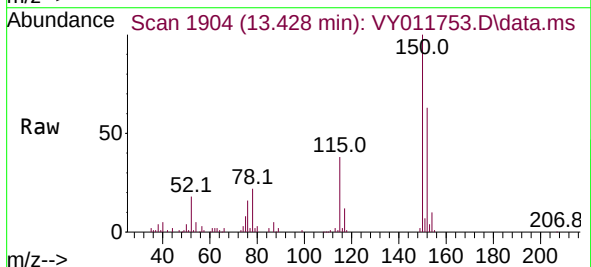
Instrument :
MSVOA_Y
ClientSampleId :
RBR200046-03

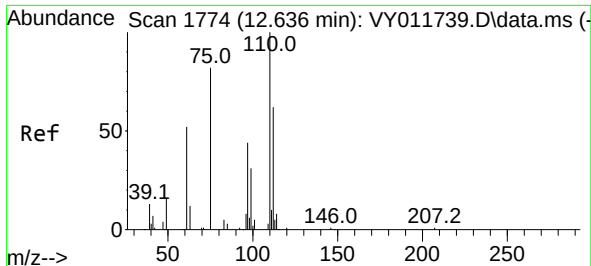
Tgt Ion:117 Resp: 69543
Ion Ratio Lower Upper
117 100
82 53.8 44.8 67.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011753.D
Acq: 09 Dec 2022 19:14

Tgt Ion:152 Resp: 25734
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.3
150 154.0 0.0 342.6

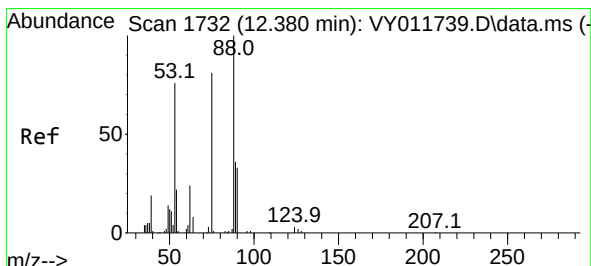
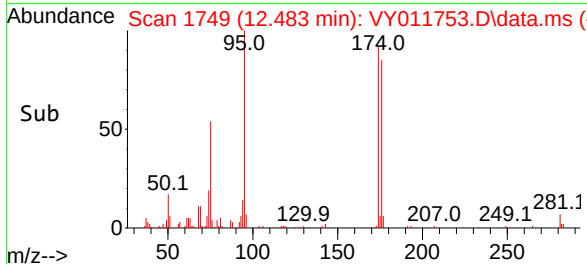
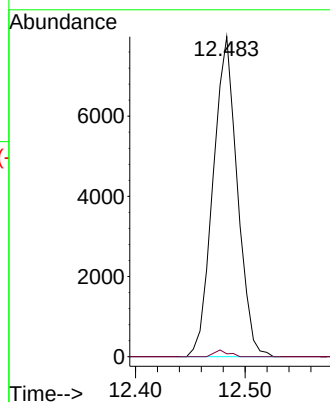
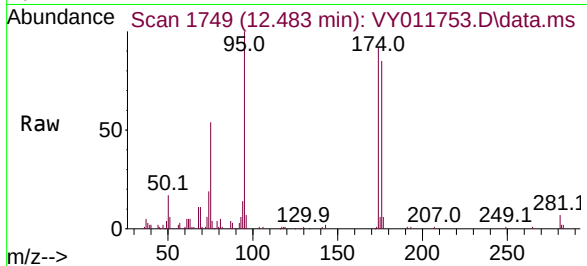




#76
1,2,3-Trichloropropane
Concen: 47.200 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011753.D
Acq: 09 Dec 2022 19:14

Instrument :
MSVOA_Y
ClientSampleId :
RBR200046-03

Tgt Ion: 75 Resp: 12289
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.106 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011753.D
Acq: 09 Dec 2022 19:14

Tgt Ion: 75 Resp: 12289
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

