

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY009012.D
 Acq On : 23 May 2022 17:28
 Operator : KP/MD
 Sample : N2963-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-057

Quant Time: May 24 01:49:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

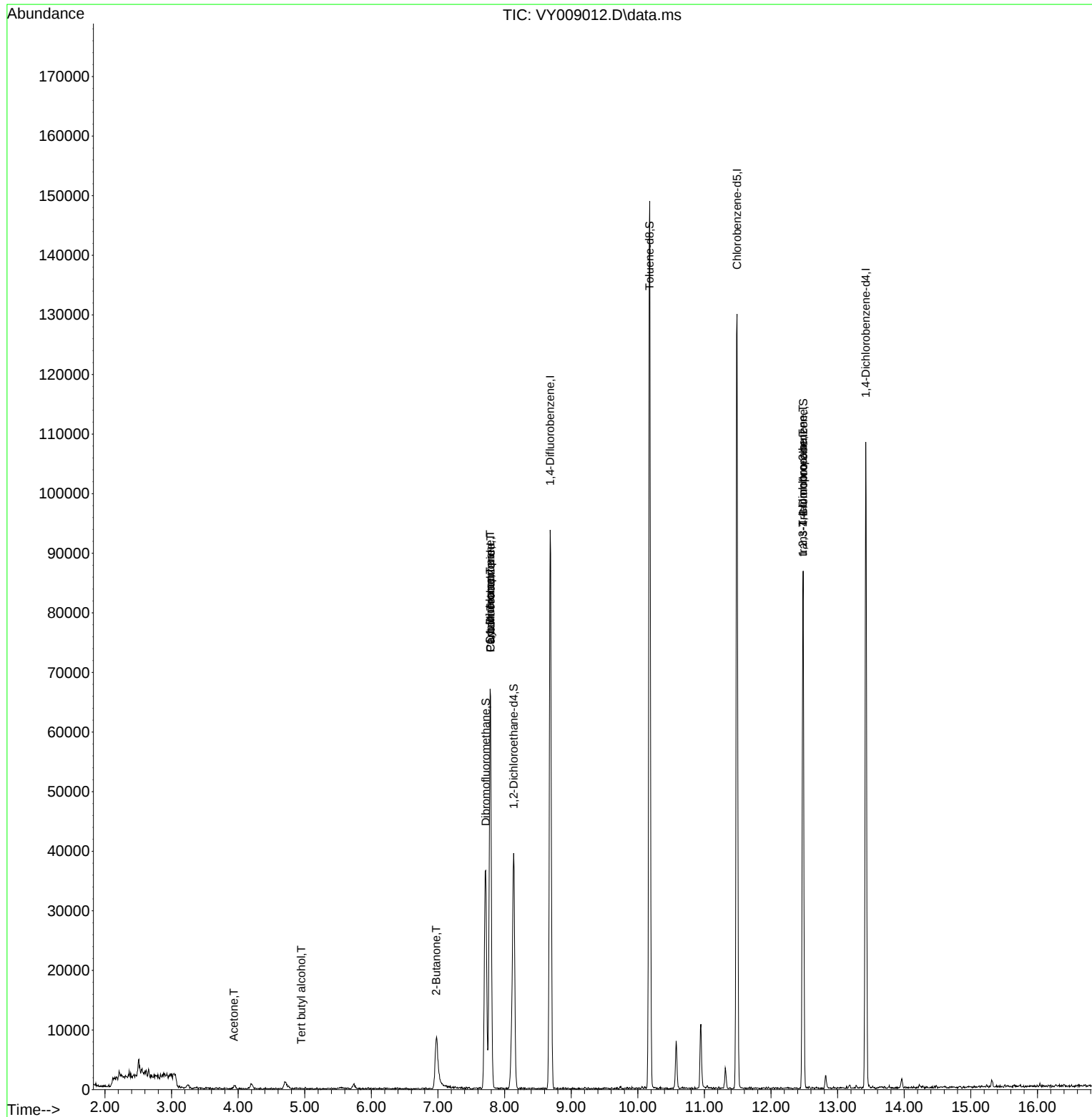
Internal Standards						
1) Pentafluorobenzene	7.789	168	50041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	79475	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	69493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	26268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	26037	50.556	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 101.120%		
35) Dibromofluoromethane	7.716	113	25804	52.213	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 104.420%		
50) Toluene-d8	10.179	98	94693	51.938	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 103.880%		
62) 4-Bromofluorobenzene	12.483	95	22844	31.061	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 62.120%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	71	1.359	ug/l #	77
16) Acetone	3.936	43	774	7.220	ug/l #	85
20) Methylene Chloride	4.704	84	941	Below Cal	#	60
25) 2-Butanone	6.972	43	527	2.752	ug/l #	54
31) Cyclohexane	7.783	56	1276	1.266	ug/l #	13
36) 1,1-Dichloropropene	7.783	75	4288	5.098	ug/l #	50
38) Carbon Tetrachloride	7.789	117	5129	5.830	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	12991	46.053	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	12991	94.524	ug/l #	7

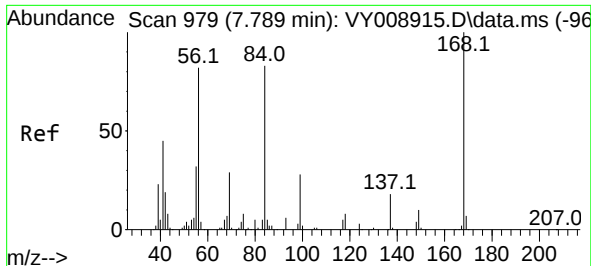
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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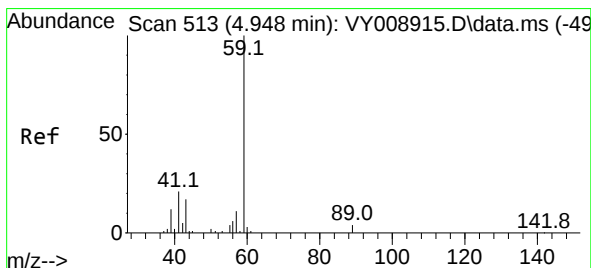
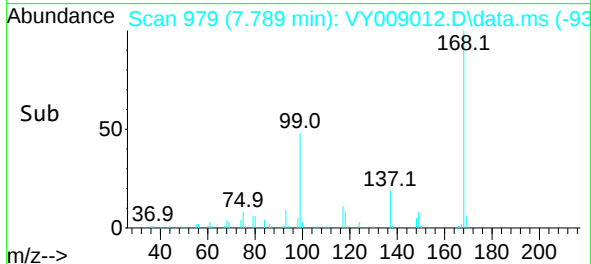
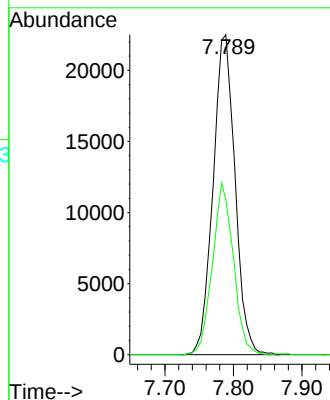
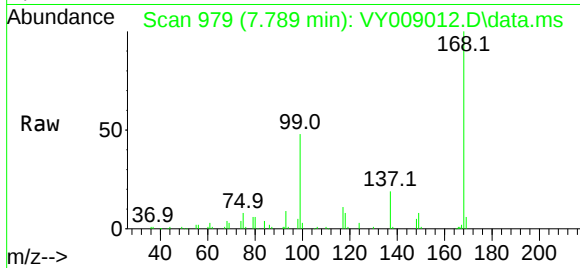




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009012.D
Acq: 23 May 2022 17:28

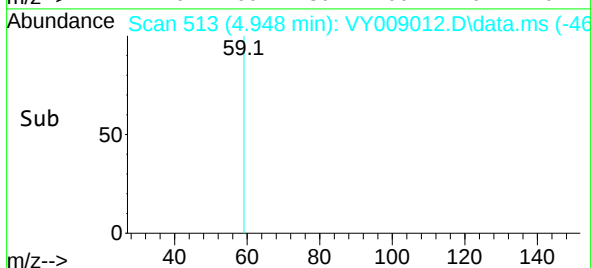
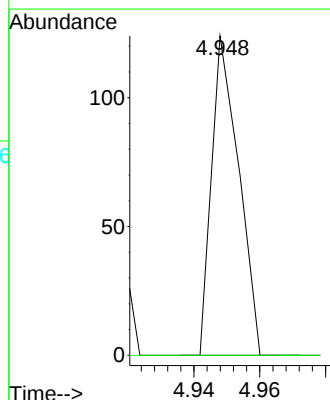
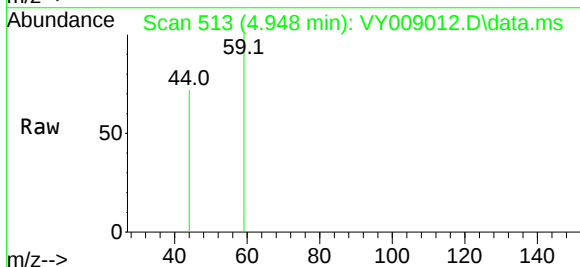
Instrument :
MSVOA_Y
ClientSampleId :
RBR-057

Tgt Ion:168 Resp: 50041
Ion Ratio Lower Upper
168 100
99 48.4 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.359 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY009012.D
Acq: 23 May 2022 17:28

Tgt Ion: 59 Resp: 71
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

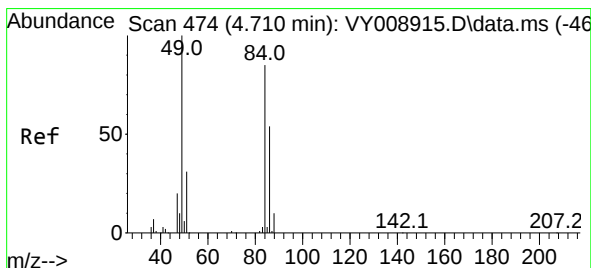
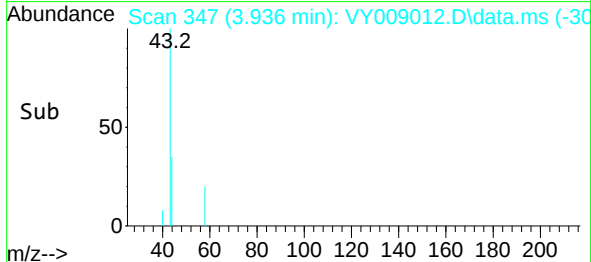
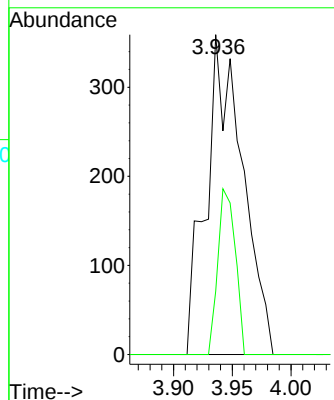
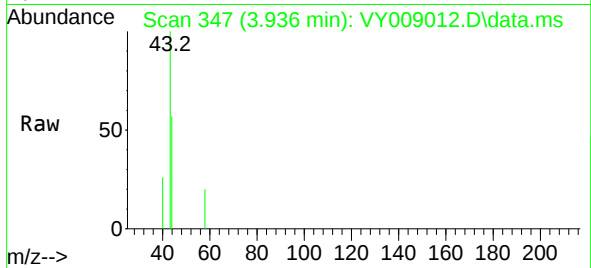




#16
Acetone
Concen: 7.220 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY009012.D
Acq: 23 May 2022 17:28

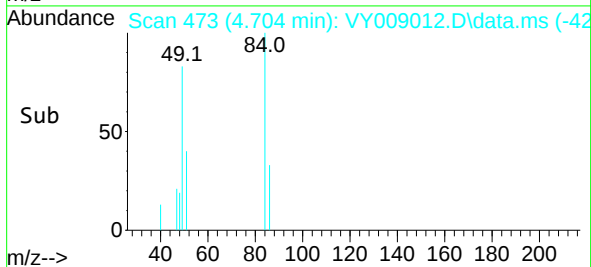
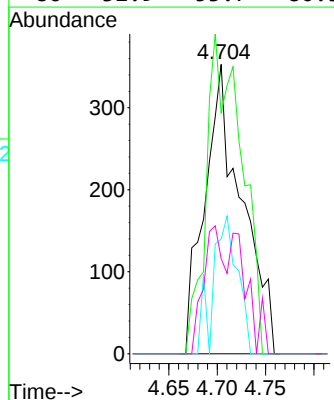
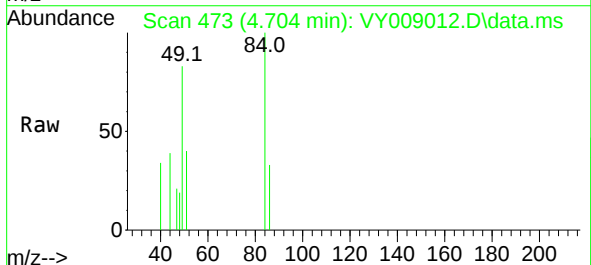
Instrument :
MSVOA_Y
ClientSampleId :
RBR-057

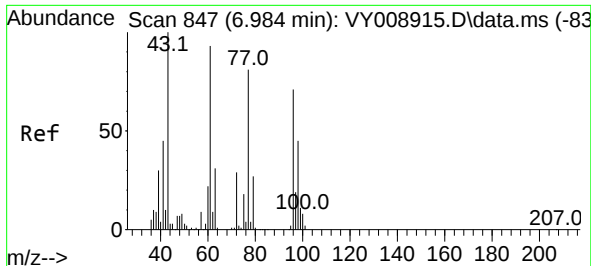
Tgt Ion: 43 Resp: 774
Ion Ratio Lower Upper
43 100
58 19.8 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY009012.D
Acq: 23 May 2022 17:28

Tgt Ion: 84 Resp: 941
Ion Ratio Lower Upper
84 100
49 83.3 114.4 171.6#
51 39.7 35.3 52.9
86 32.9 53.7 80.5#





#25

2-Butanone

Concen: 2.752 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY009012.D

Acq: 23 May 2022 17:28

Instrument :

MSVOA_Y

ClientSampleId :

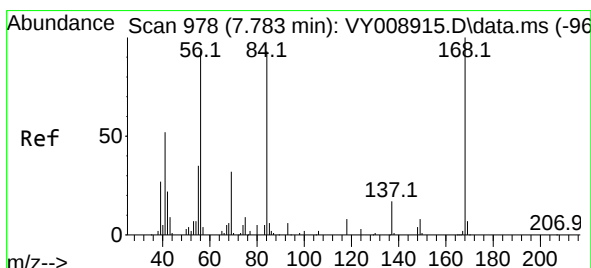
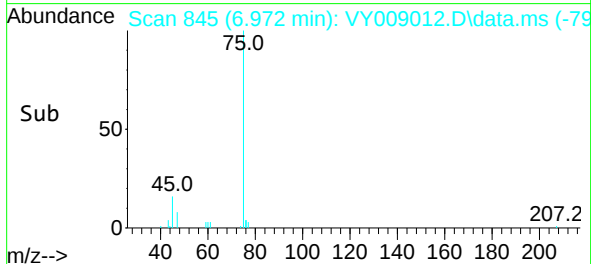
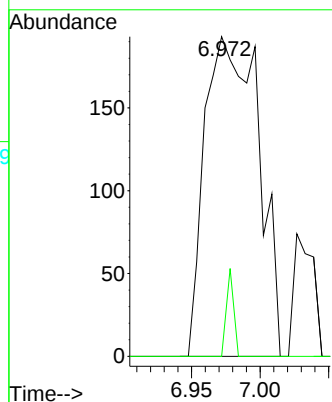
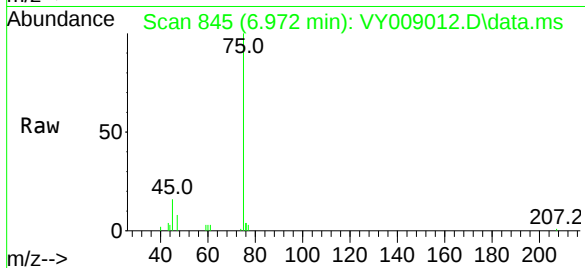
RBR-057

Tgt Ion: 43 Resp: 527

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.266 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY009012.D

Acq: 23 May 2022 17:28

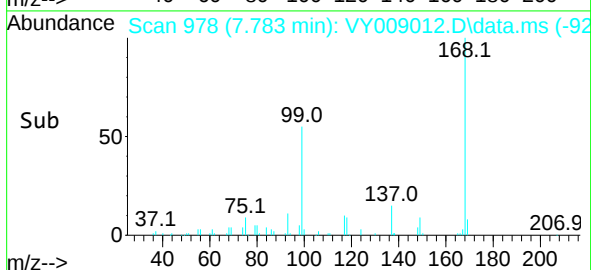
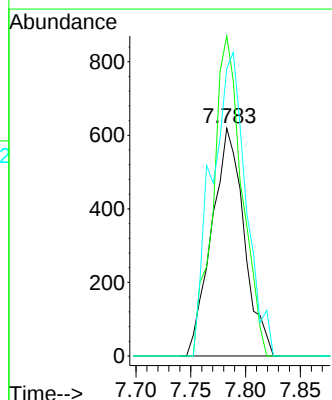
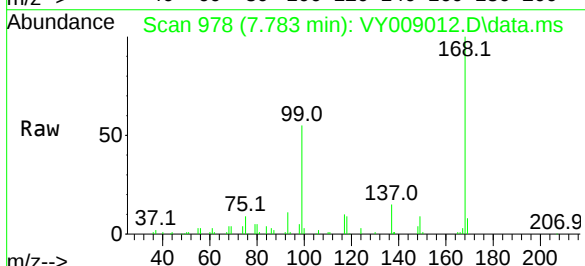
Tgt Ion: 56 Resp: 1276

Ion Ratio Lower Upper

56 100

69 140.5 26.7 40.1#

84 126.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 50.556 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY009012.D

Acq: 23 May 2022 17:28

Instrument :

MSVOA_Y

ClientSampleId :

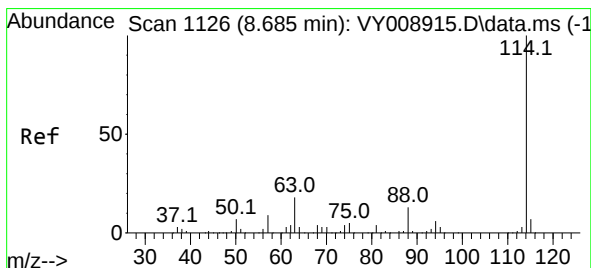
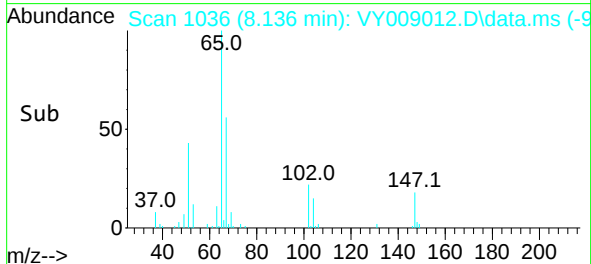
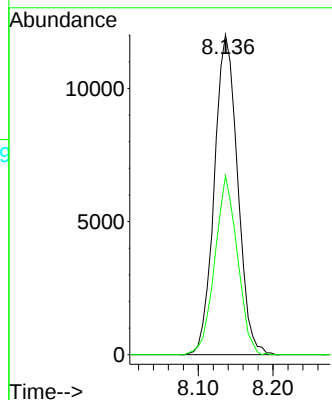
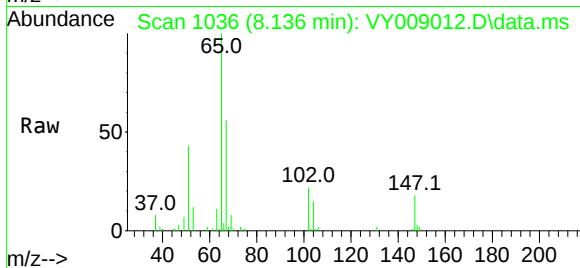
RBR-057

Tgt Ion: 65 Resp: 26037

Ion Ratio Lower Upper

65 100

67 54.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009012.D

Acq: 23 May 2022 17:28

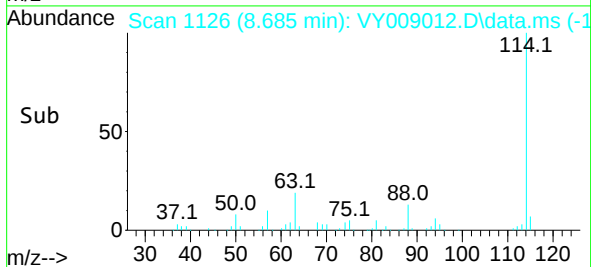
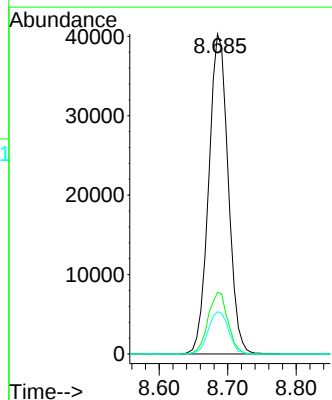
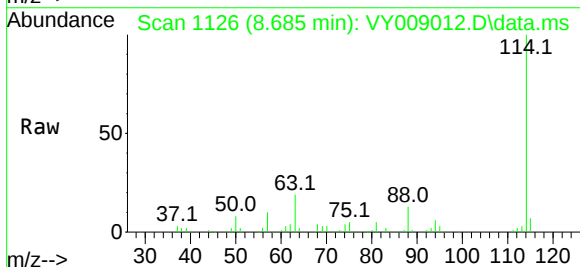
Tgt Ion: 114 Resp: 79475

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 13.2 0.0 31.8

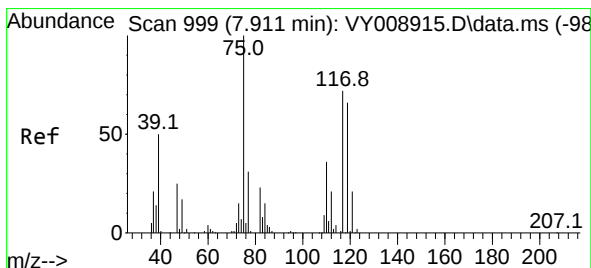
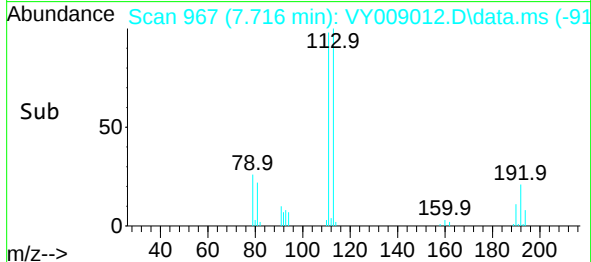
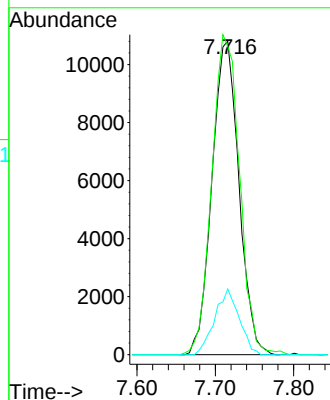
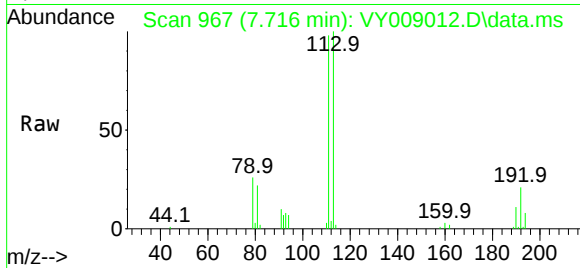




#35
Dibromofluoromethane
Concen: 52.213 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009012.D
Acq: 23 May 2022 17:28

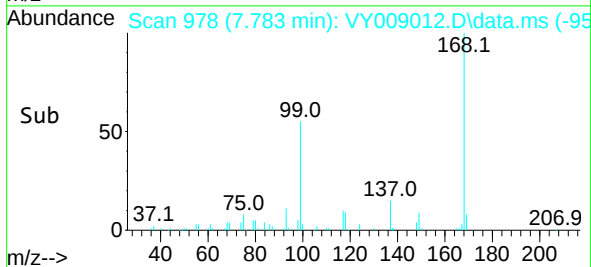
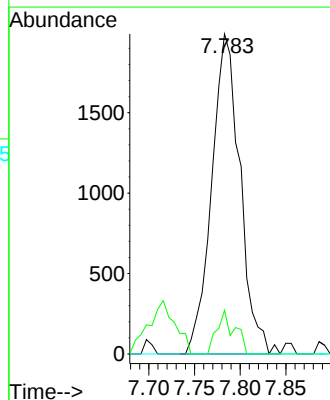
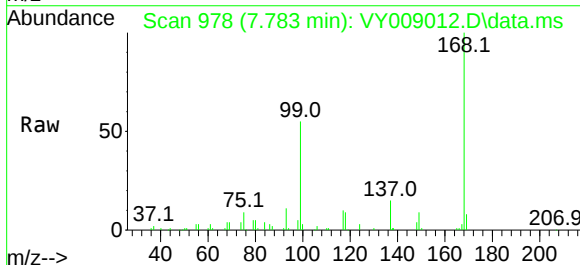
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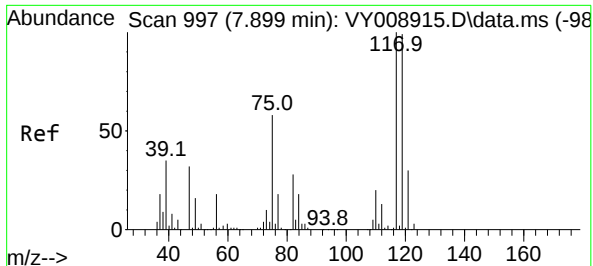
Tgt Ion:113 Resp: 25804
Ion Ratio Lower Upper
113 100
111 105.1 82.6 124.0
192 19.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.098 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009012.D
Acq: 23 May 2022 17:28

Tgt Ion: 75 Resp: 4288
Ion Ratio Lower Upper
75 100
110 8.4 17.1 51.2#
77 0.0 24.4 36.6#

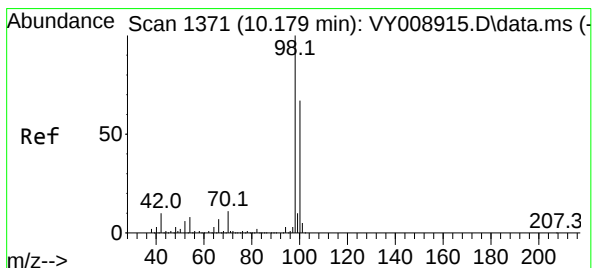
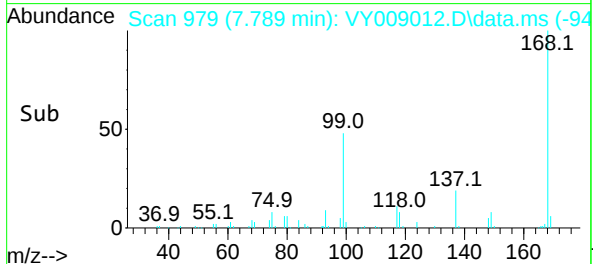
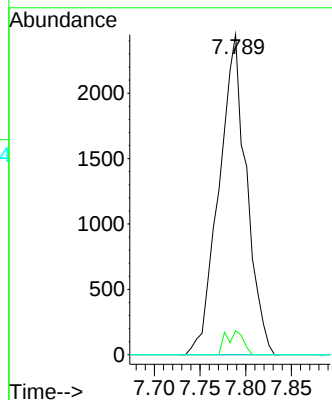
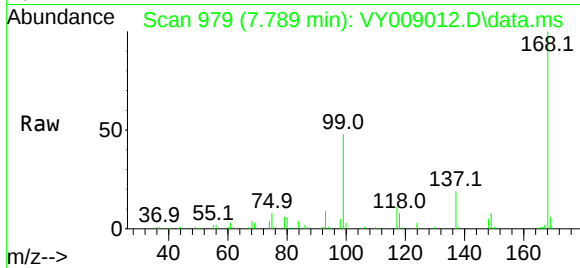




#38
Carbon Tetrachloride
Concen: 5.830 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009012.D
Acq: 23 May 2022 17:28

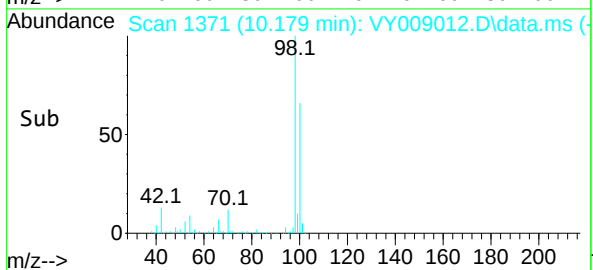
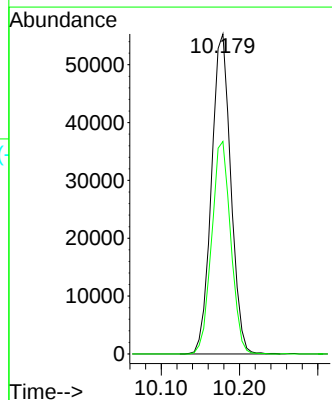
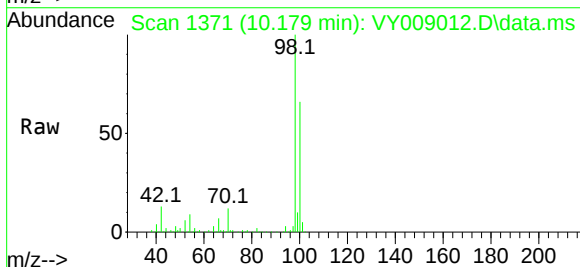
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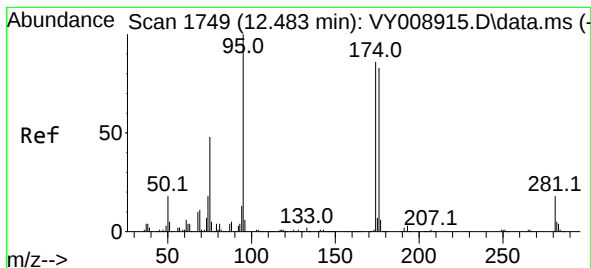
Tgt Ion:117 Resp: 5129
Ion Ratio Lower Upper
117 100
119 7.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.938 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009012.D
Acq: 23 May 2022 17:28

Tgt Ion: 98 Resp: 94693
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2

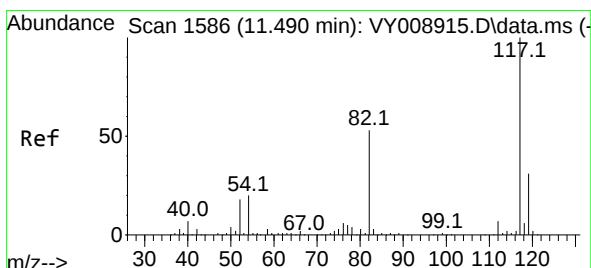
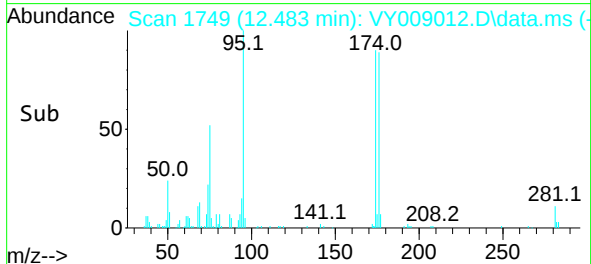
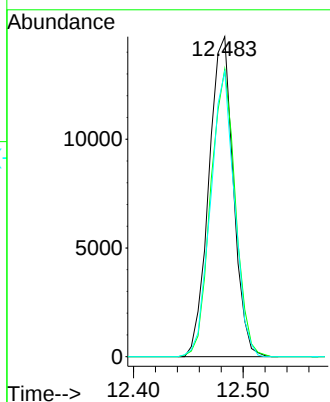
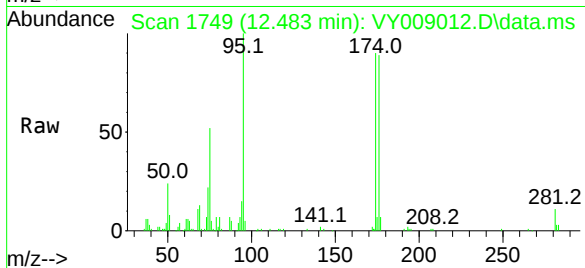




#62
4-Bromofluorobenzene
Concen: 31.061 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY009012.D
Acq: 23 May 2022 17:28

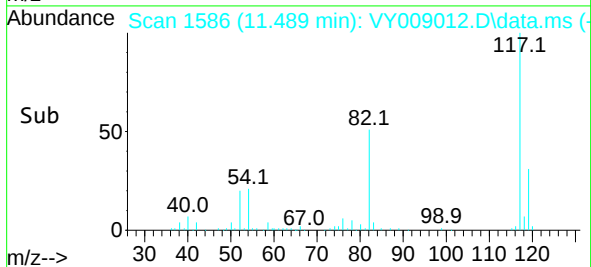
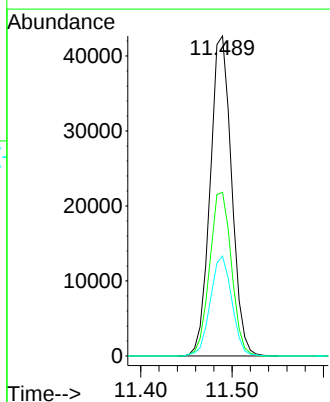
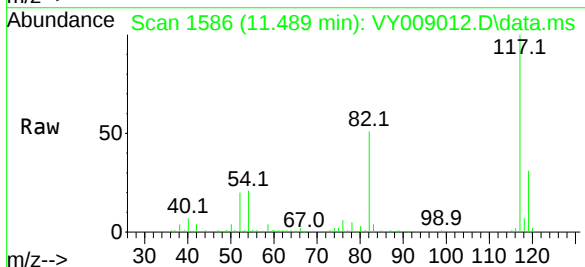
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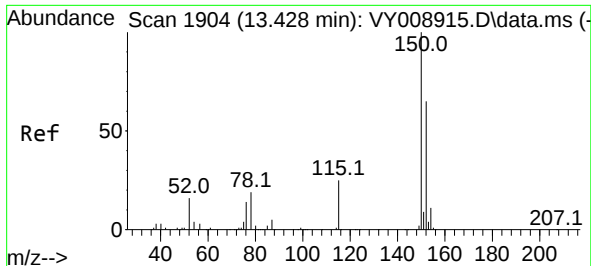
Tgt Ion: 95 Resp: 22844
Ion Ratio Lower Upper
95 100
174 90.0 0.0 177.0
176 87.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY009012.D
Acq: 23 May 2022 17:28

Tgt Ion: 117 Resp: 69493
Ion Ratio Lower Upper
117 100
82 51.2 43.0 64.4
119 31.2 25.4 38.0

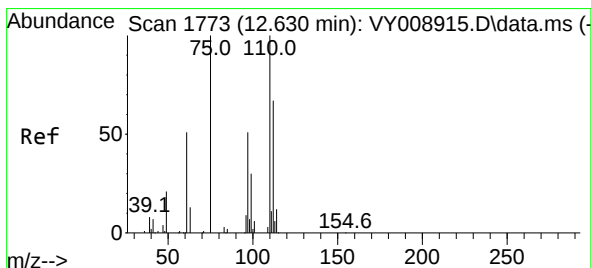
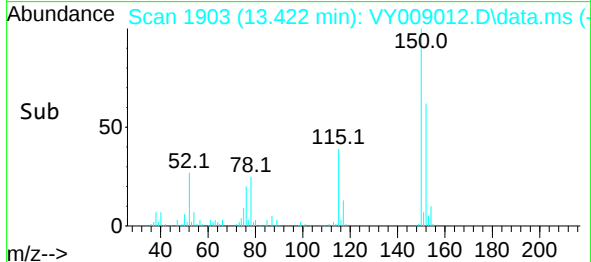
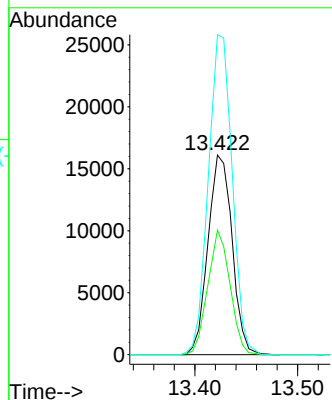
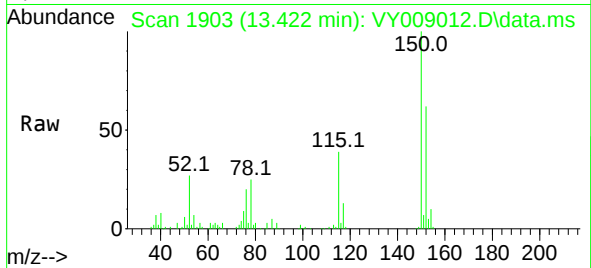




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY009012.D
 Acq: 23 May 2022 17:28

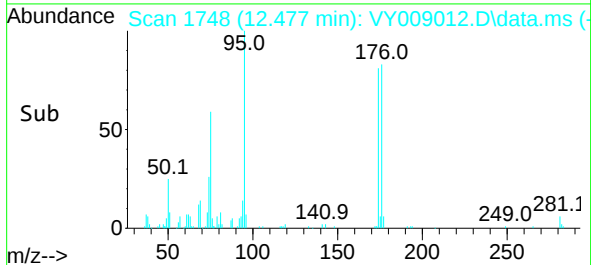
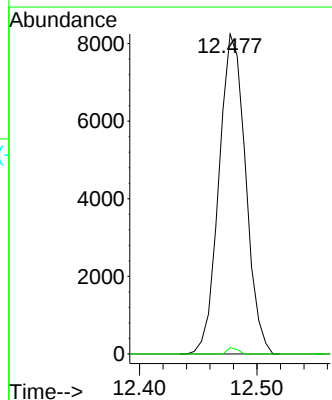
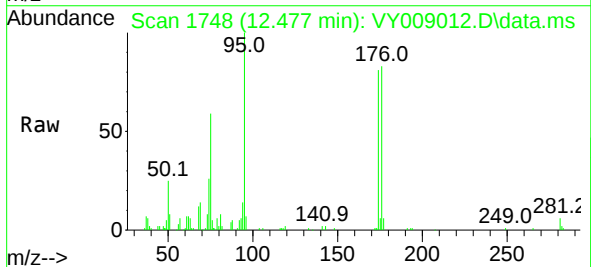
Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-057

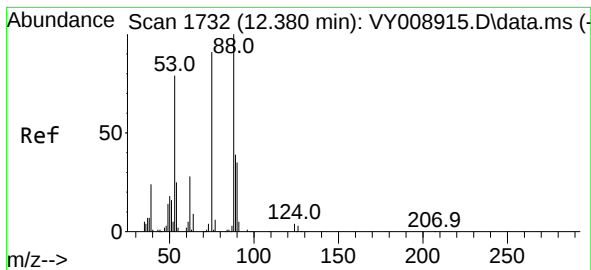
Tgt Ion:152 Resp: 26268
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.2 84.7
 150 158.3 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 46.053 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY009012.D
 Acq: 23 May 2022 17:28

Tgt Ion: 75 Resp: 12991
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.524 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY009012.D
 Acq: 23 May 2022 17:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-057

Tgt Ion: 75 Resp: 12991
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

