

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032323\
 Data File : VY013061.D
 Acq On : 23 Mar 2023 14:45
 Operator : KP/MD
 Sample : 02047-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-PIT

Quant Time: Mar 24 05:03:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

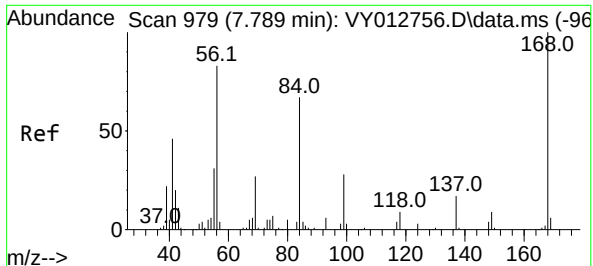
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	76300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	128245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	120254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	56204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	51944	68.567	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 137.140%			
35) Dibromofluoromethane	7.716	113	45829	59.214	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.420%			
50) Toluene-d8	10.179	98	156755	55.402	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.800%			
62) 4-Bromofluorobenzene	12.477	95	47651	49.896	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.800%			
Target Compounds						
11) Tert butyl alcohol	4.942	59	49	Below Cal	#	74
20) Methylene Chloride	4.716	84	3713	Below Cal	#	93
31) Cyclohexane	7.783	56	1689	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	5885	4.537	ug/l #	49
38) Carbon Tetrachloride	7.783	117	7634	5.700	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	25041	37.310	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	25041	77.307	ug/l #	13

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

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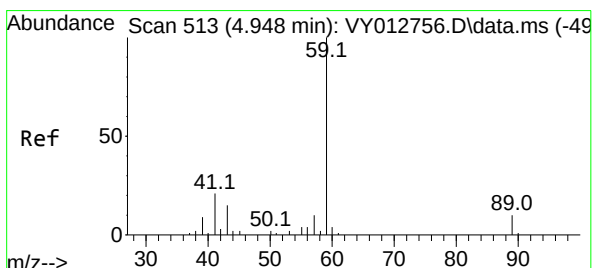
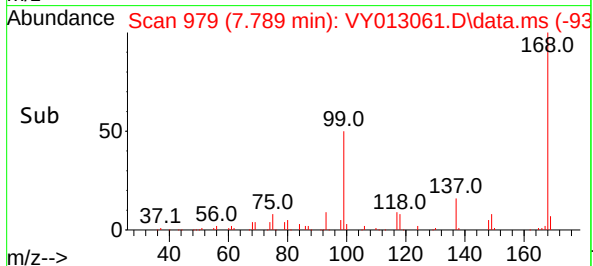
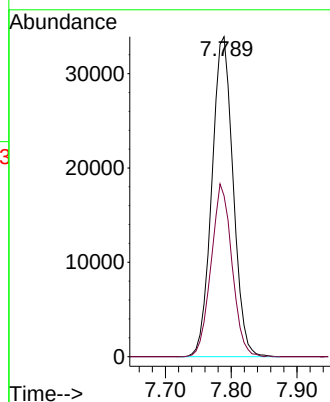
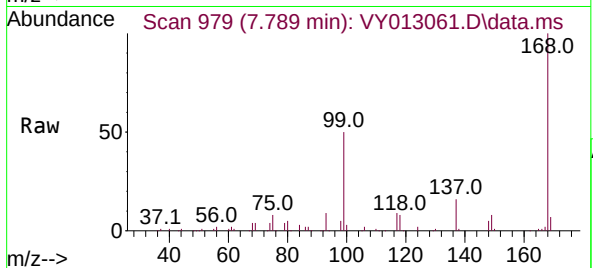




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013061.D
Acq: 23 Mar 2023 14:45

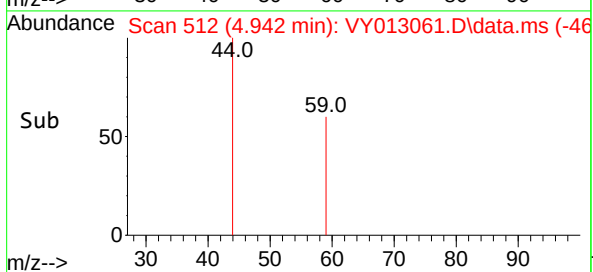
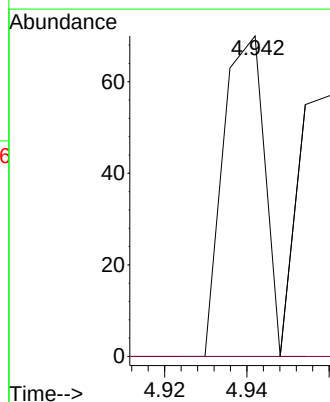
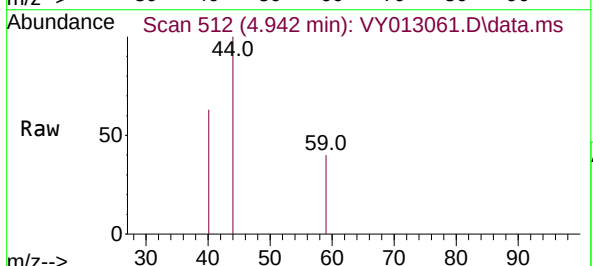
Instrument :
MSVOA_Y
ClientSampleId :
R-PIT

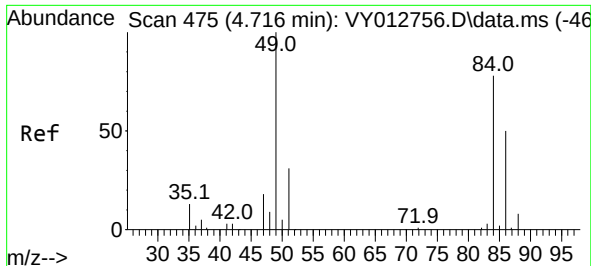
Tgt Ion:168 Resp: 76300
Ion Ratio Lower Upper
168 100
99 50.3 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY013061.D
Acq: 23 Mar 2023 14:45

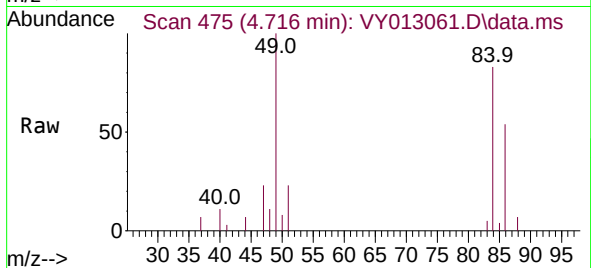
Tgt Ion: 59 Resp: 49
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





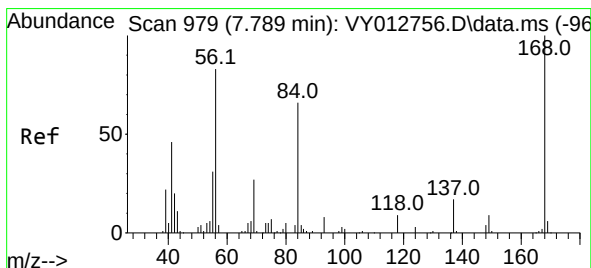
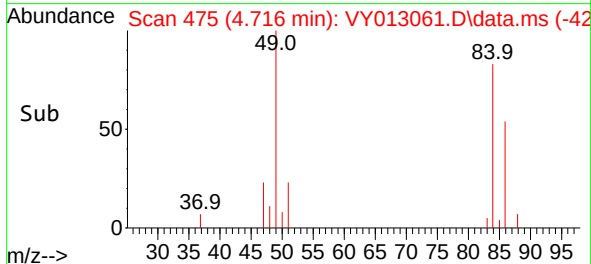
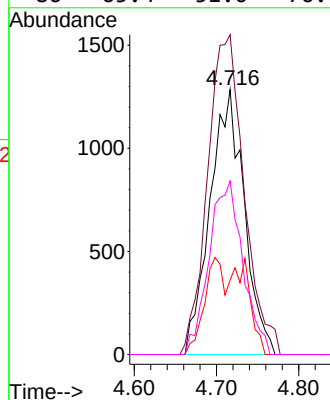
#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013061.D
Acq: 23 Mar 2023 14:45

Instrument :
MSVOA_Y
ClientSampleId :
R-PIT



Tgt Ion: 84 Resp: 3713

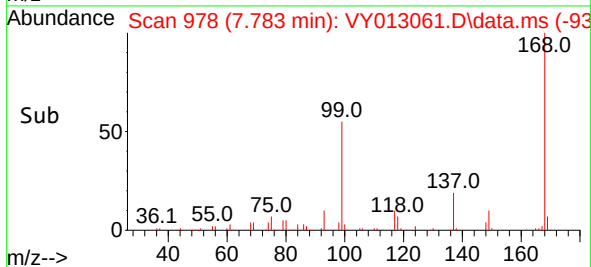
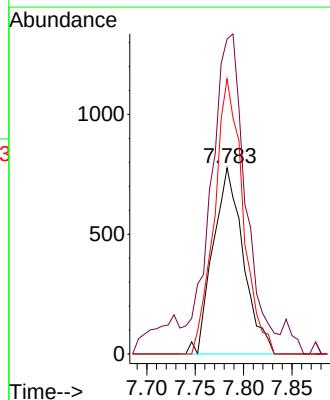
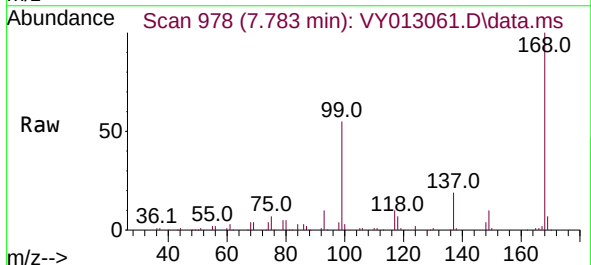
Ion	Ratio	Lower	Upper
84	100		
49	120.7	102.6	154.0
51	28.2	31.9	47.9#
86	65.4	51.0	76.6

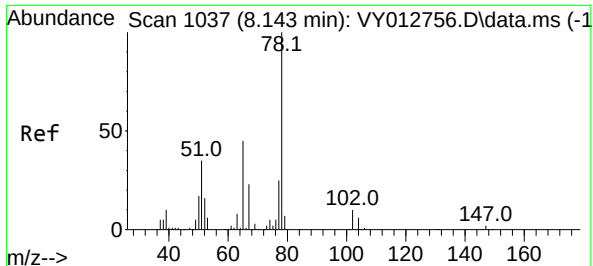


#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY013061.D
Acq: 23 Mar 2023 14:45

Tgt Ion: 56 Resp: 1689

Ion	Ratio	Lower	Upper
56	100		
69	158.8	25.7	38.5#
84	147.7	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 68.567 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY013061.D

Acq: 23 Mar 2023 14:45

Instrument :

MSVOA_Y

ClientSampleId :

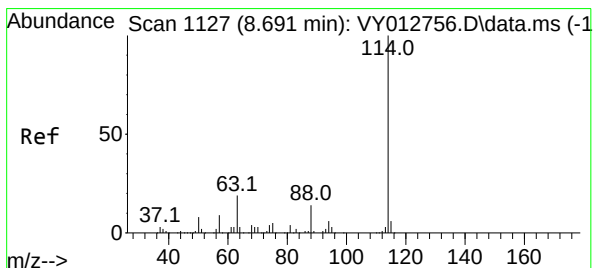
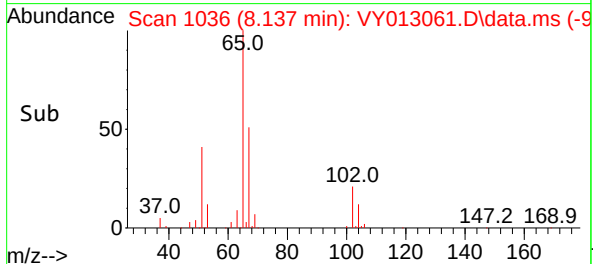
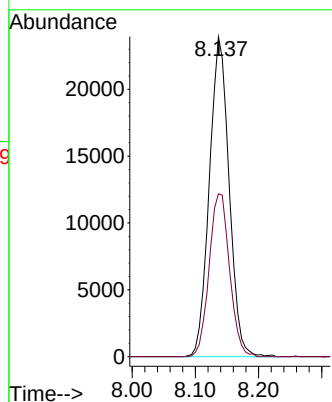
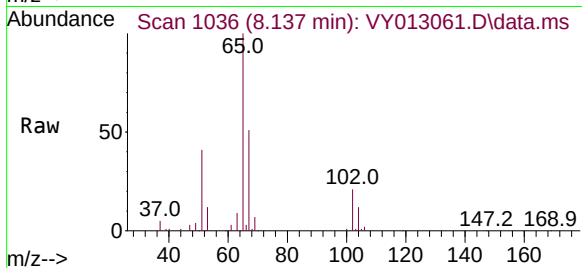
R-PIT

Tgt Ion: 65 Resp: 51944

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013061.D

Acq: 23 Mar 2023 14:45

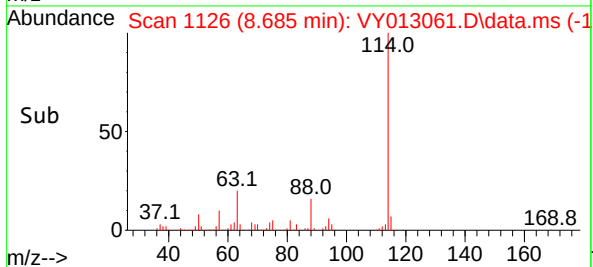
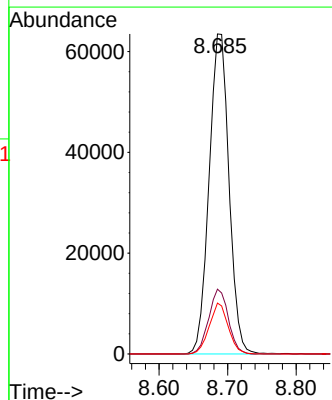
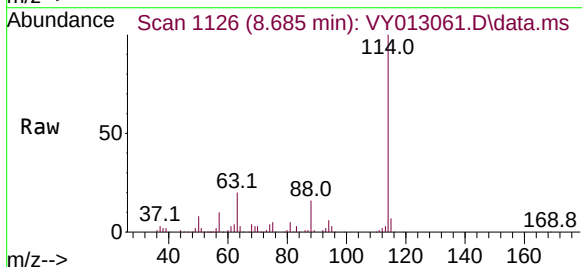
Tgt Ion: 114 Resp: 128245

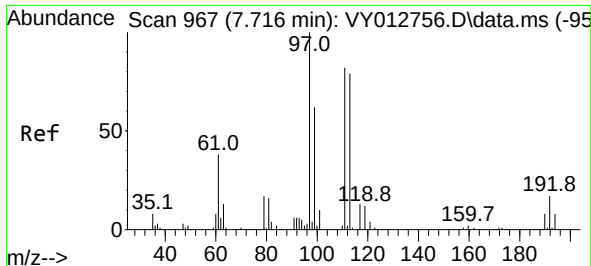
Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 15.9 0.0 28.6

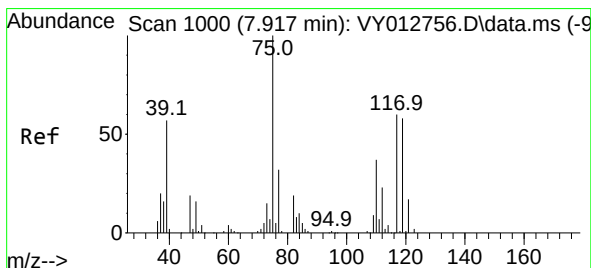
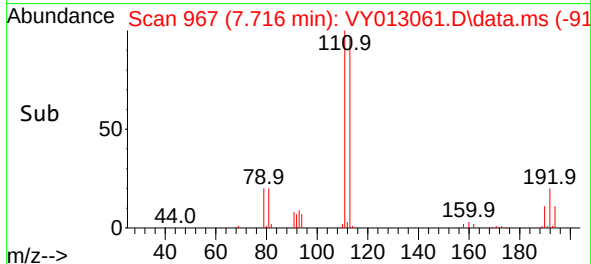
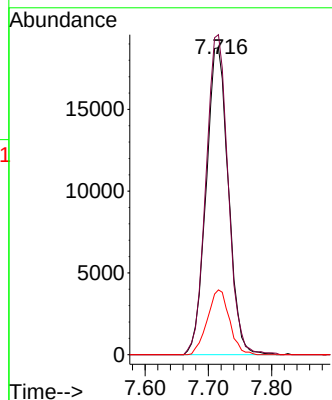
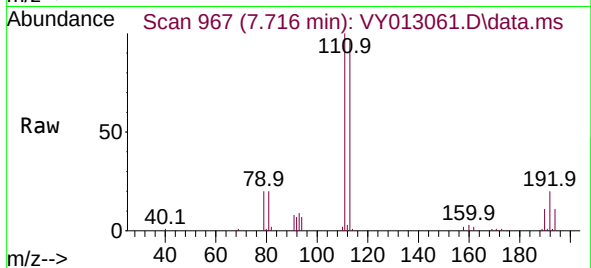




#35
Dibromofluoromethane
Concen: 59.214 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY013061.D
Acq: 23 Mar 2023 14:45

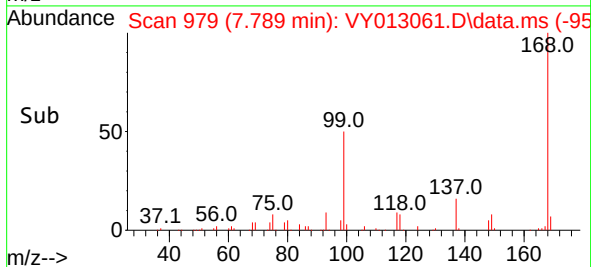
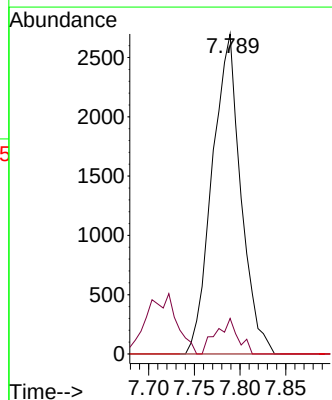
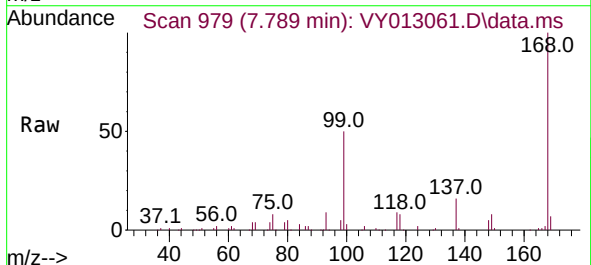
Instrument :
MSVOA_Y
ClientSampleId :
R-PIT

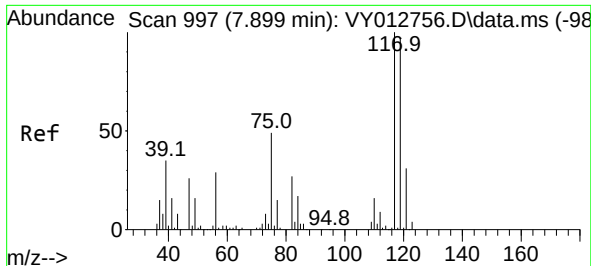
Tgt Ion:113 Resp: 45829
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 20.9 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.537 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013061.D
Acq: 23 Mar 2023 14:45

Tgt Ion: 75 Resp: 5885
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.3#
77 0.0 25.0 37.4#

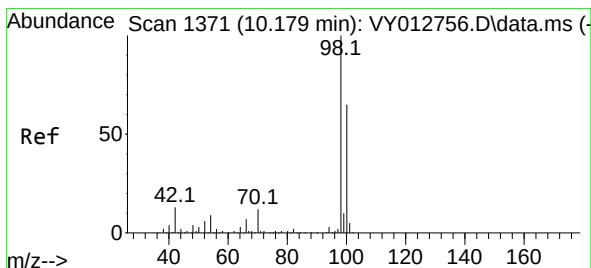
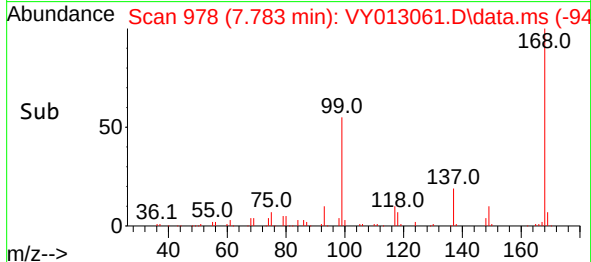
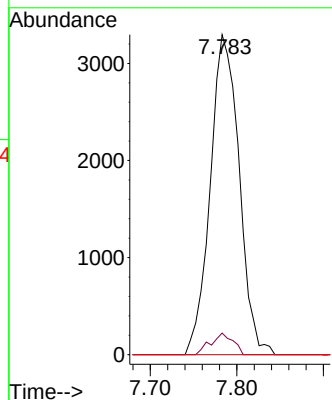
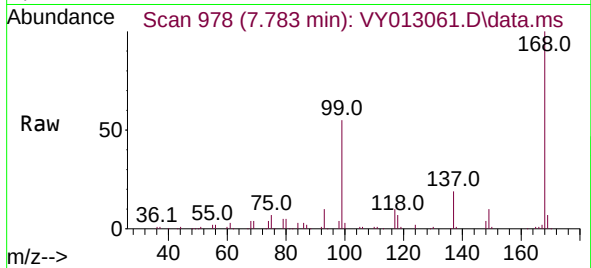




#38
Carbon Tetrachloride
Concen: 5.700 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013061.D
Acq: 23 Mar 2023 14:45

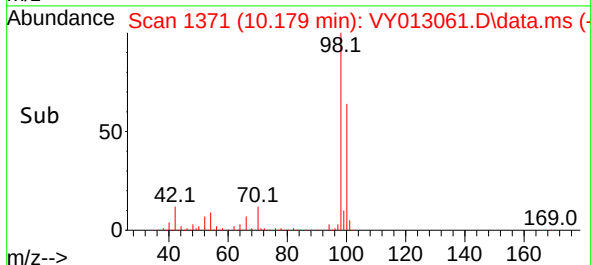
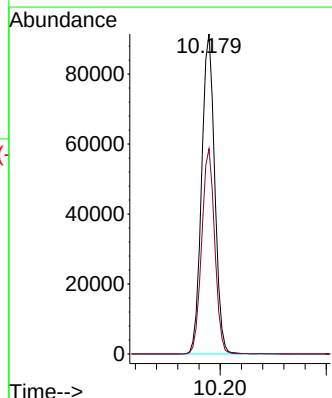
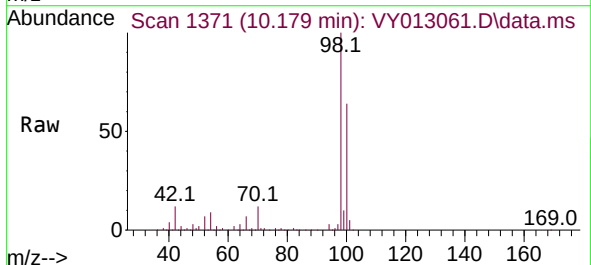
Instrument :
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ClientSampleId :
R-PIT

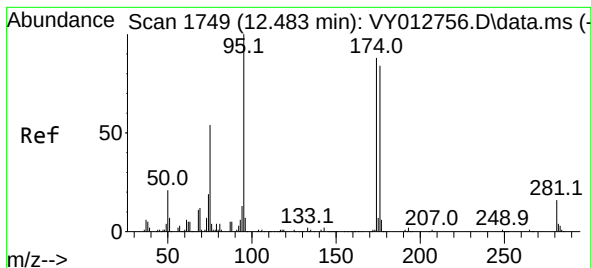
Tgt Ion:117 Resp: 7634
Ion Ratio Lower Upper
117 100
119 6.8 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 55.402 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013061.D
Acq: 23 Mar 2023 14:45

Tgt Ion: 98 Resp: 156755
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3

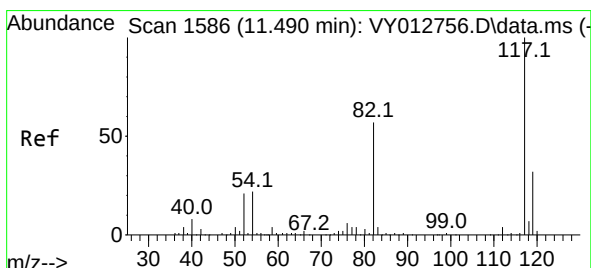
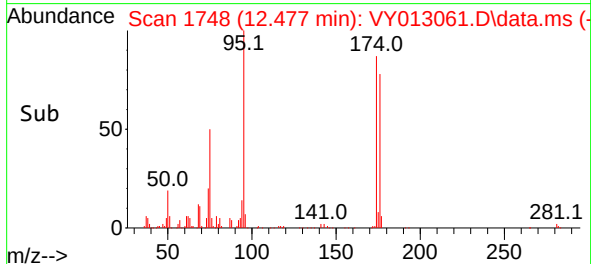
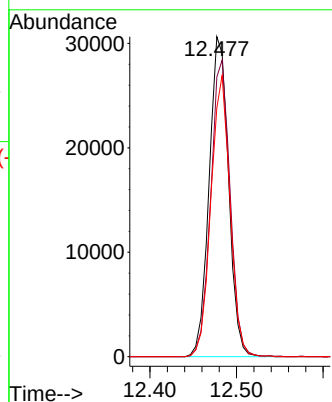
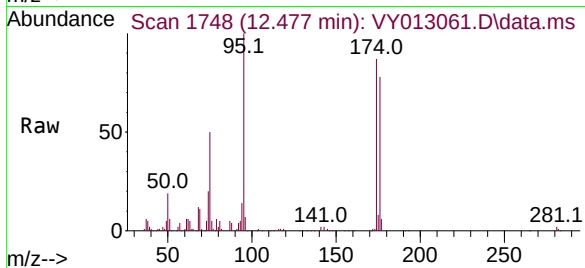




#62
4-Bromofluorobenzene
Concen: 49.896 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013061.D
Acq: 23 Mar 2023 14:45

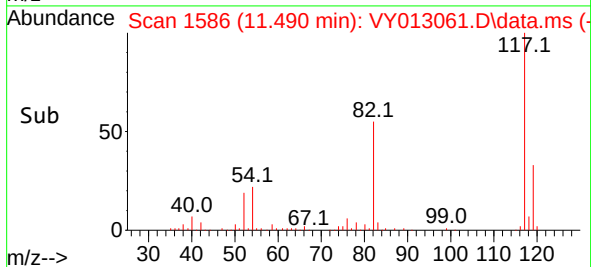
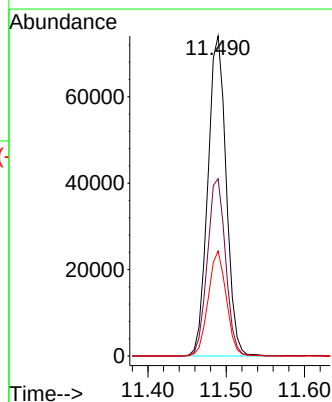
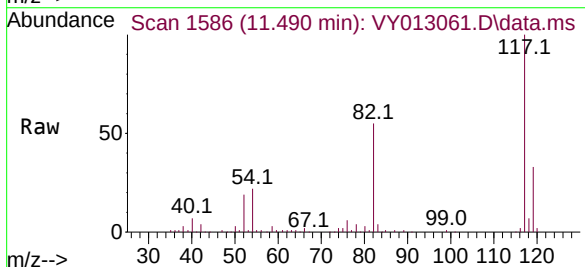
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ClientSampleId :
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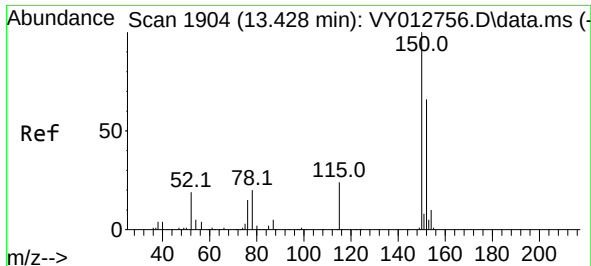
Tgt Ion: 95 Resp: 47651
Ion Ratio Lower Upper
95 100
174 92.9 0.0 176.6
176 86.6 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013061.D
Acq: 23 Mar 2023 14:45

Tgt Ion: 117 Resp: 120254
Ion Ratio Lower Upper
117 100
82 55.4 45.4 68.0
119 32.8 25.6 38.4

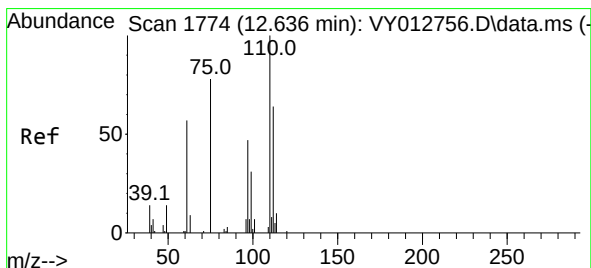
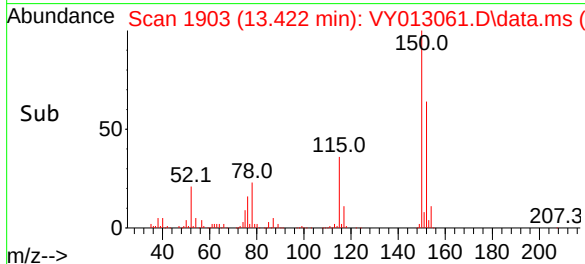
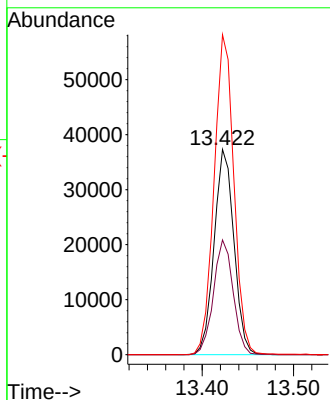
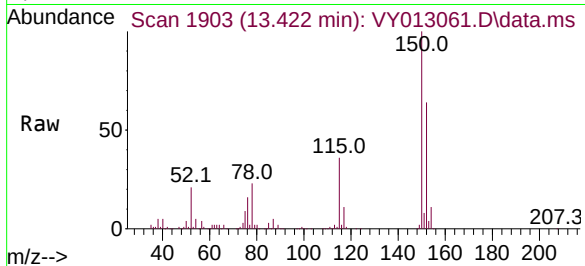




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY013061.D
 Acq: 23 Mar 2023 14:45

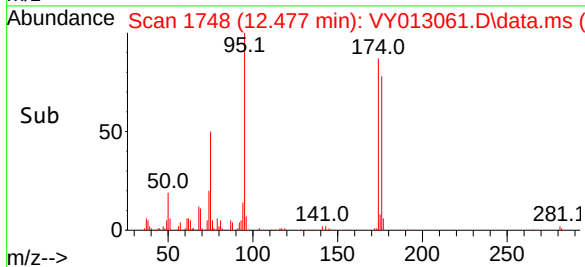
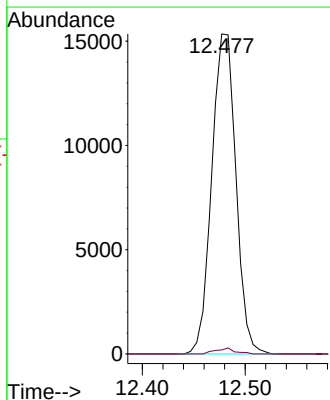
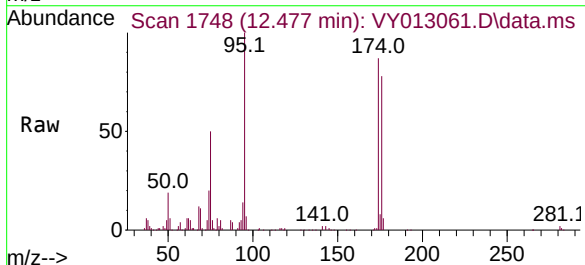
Instrument :
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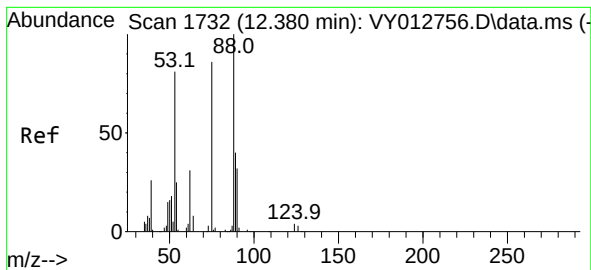
Tgt Ion:152 Resp: 56204
 Ion Ratio Lower Upper
 152 100
 115 55.6 27.1 81.3
 150 155.8 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 37.310 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY013061.D
 Acq: 23 Mar 2023 14:45

Tgt Ion: 75 Resp: 25041
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.307 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013061.D
 Acq: 23 Mar 2023 14:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-PIT

Tgt Ion: 75 Resp: 25041
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.1 36.6 55.0#

