

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032823\
 Data File : VY013118.D
 Acq On : 28 Mar 2023 15:47
 Operator : KP/MD
 Sample : 02111-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 APCS-NORTH

Quant Time: Mar 29 02:30:04 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)

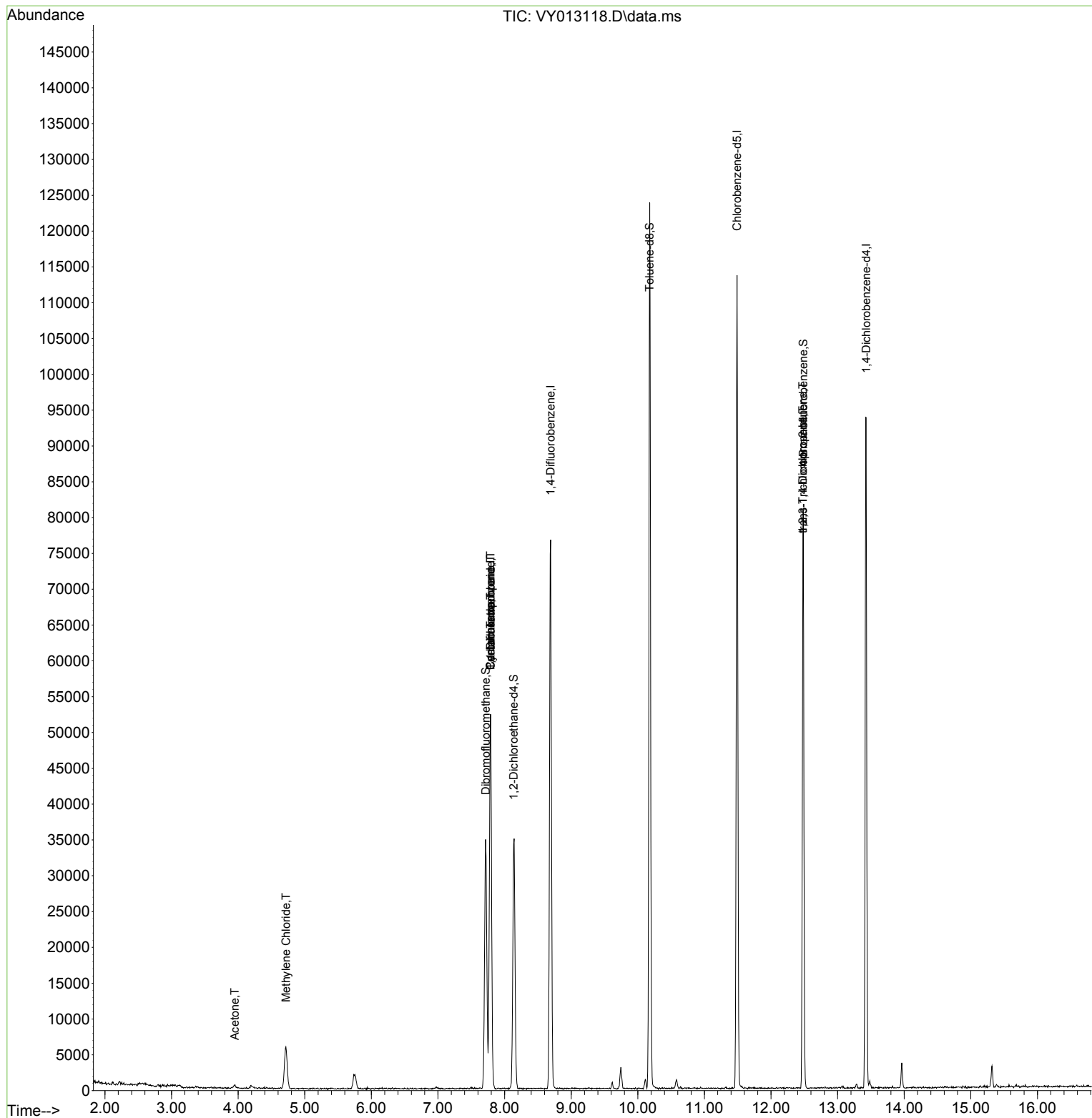
Internal Standards						
1) Pentafluorobenzene	7.789	168	40138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	63236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	58210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	24527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	27294	68.489	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.980%	
35) Dibromofluoromethane	7.716	113	23890	62.600	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 125.200%	
50) Toluene-d8	10.179	98	76694	54.972	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.940%	
62) 4-Bromofluorobenzene	12.483	95	22110	46.953	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.900%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	643	4.111	ug/l #	80
20) Methylene Chloride	4.716	84	4219	3.883	ug/l	94
31) Cyclohexane	7.789	56	995	1.304	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	3436	5.373	ug/l #	48
38) Carbon Tetrachloride	7.789	117	3834	5.805	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	11999	40.967	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	11999	84.886	ug/l #	13

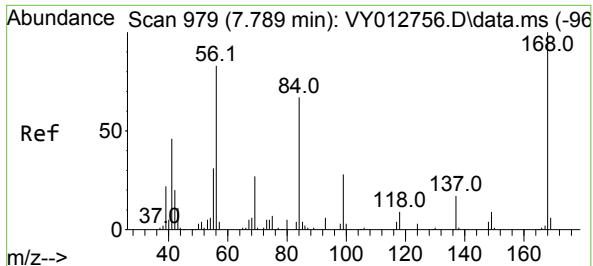
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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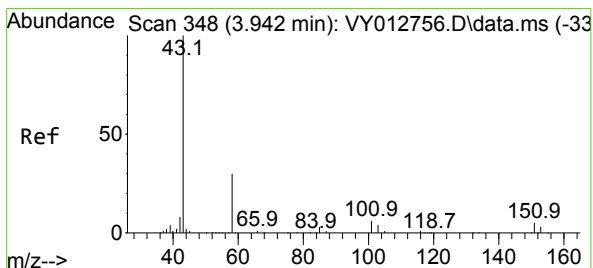
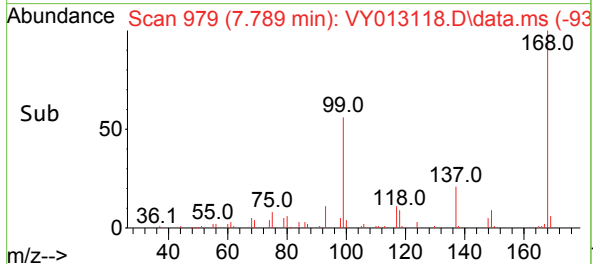
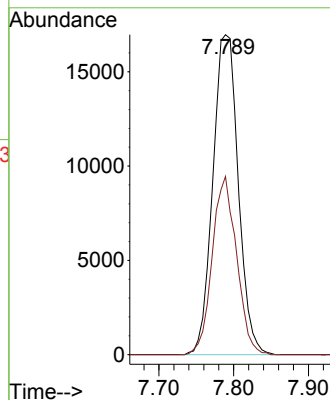
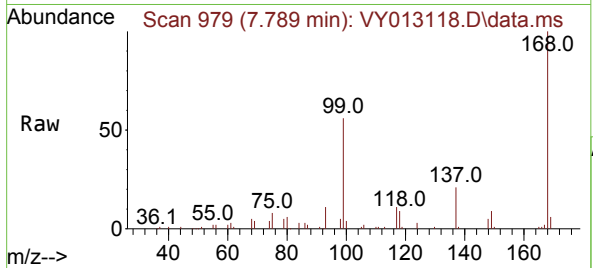




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013118.D
Acq: 28 Mar 2023 15:47

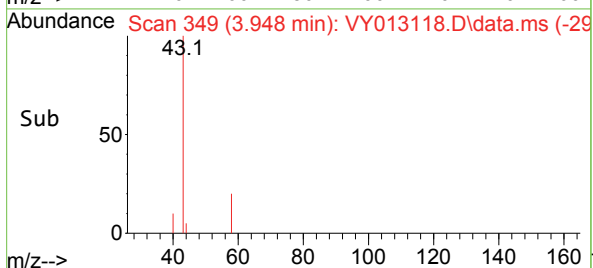
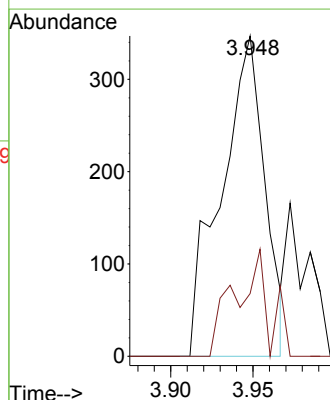
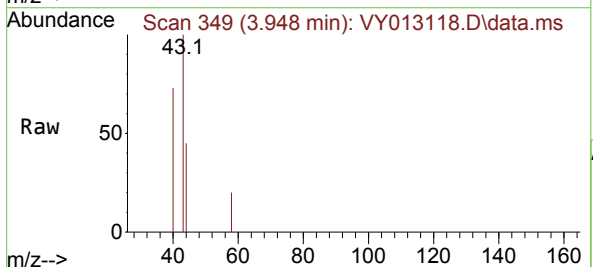
Instrument :
MSVOA_Y
ClientSampleId :
APCS-NORTH

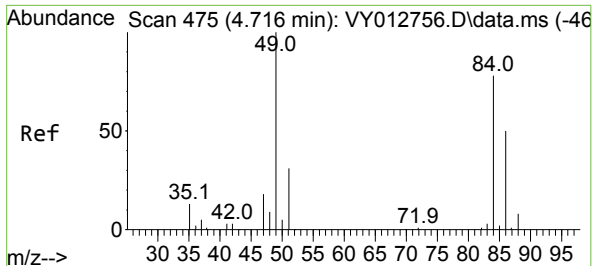
Tgt Ion:168 Resp: 40138
Ion Ratio Lower Upper
168 100
99 55.7 41.7 62.5



#16
Acetone
Concen: 4.111 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY013118.D
Acq: 28 Mar 2023 15:47

Tgt Ion: 43 Resp: 643
Ion Ratio Lower Upper
43 100
58 19.6 24.2 36.2#





#20

Methylene Chloride

Concen: 3.883 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY013118.D

Acq: 28 Mar 2023 15:47

Instrument :

MSVOA_Y

ClientSampleId :

APCS-NORTH

Tgt Ion: 84 Resp: 4219

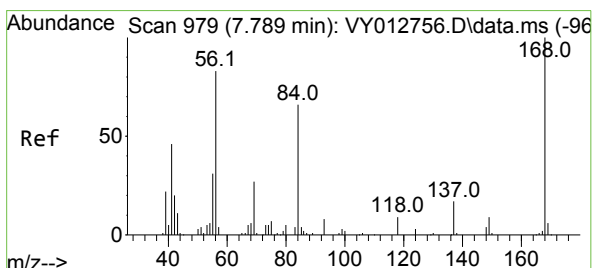
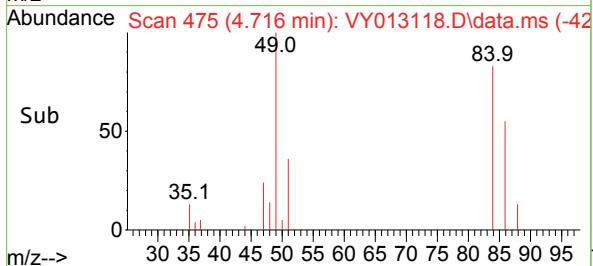
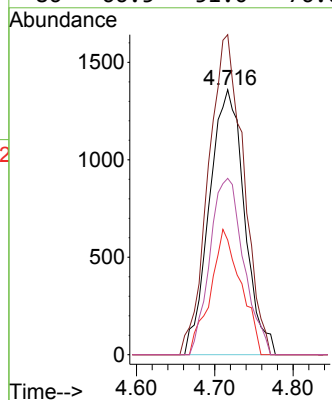
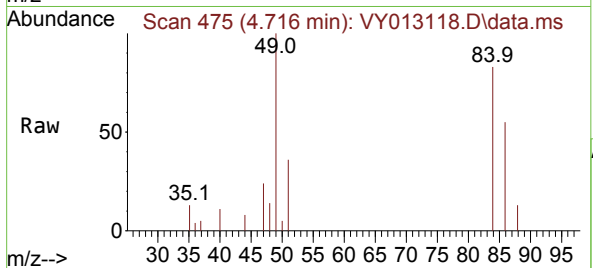
Ion Ratio Lower Upper

84 100

49 120.7 102.6 154.0

51 43.2 31.9 47.9

86 66.5 51.0 76.6



#31

Cyclohexane

Concen: 1.304 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.000 min

Lab File: VY013118.D

Acq: 28 Mar 2023 15:47

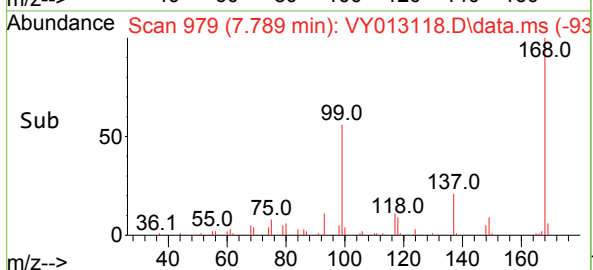
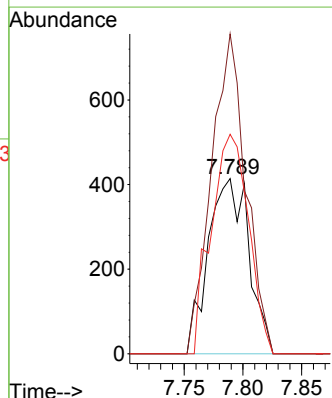
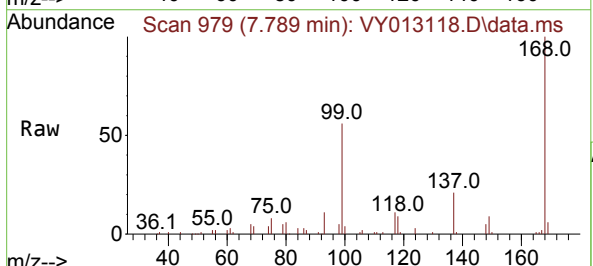
Tgt Ion: 56 Resp: 995

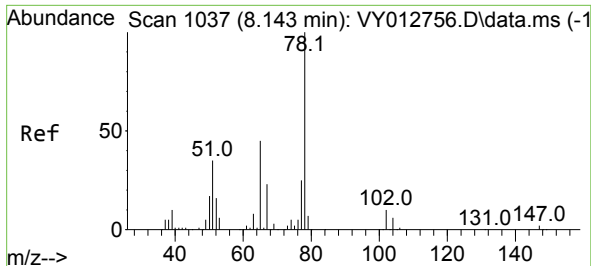
Ion Ratio Lower Upper

56 100

69 182.6 25.7 38.5#

84 125.4 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 68.489 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY013118.D

Acq: 28 Mar 2023 15:47

Instrument :

MSVOA_Y

ClientSampleId :

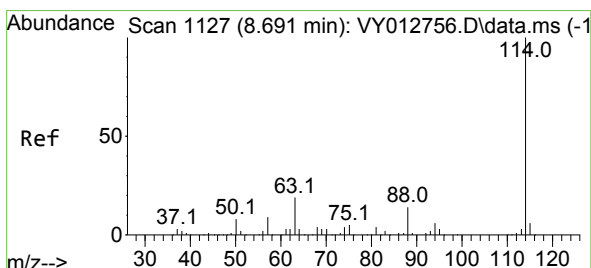
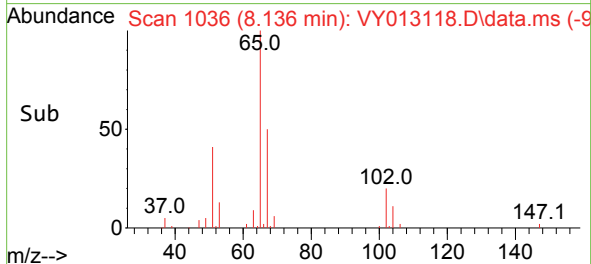
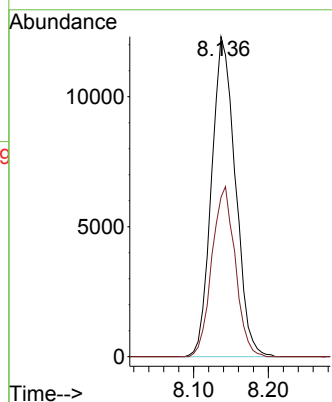
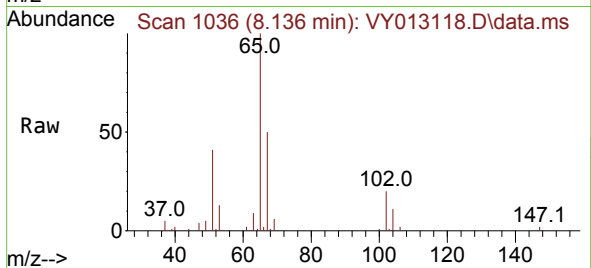
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Tgt Ion: 65 Resp: 27294

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013118.D

Acq: 28 Mar 2023 15:47

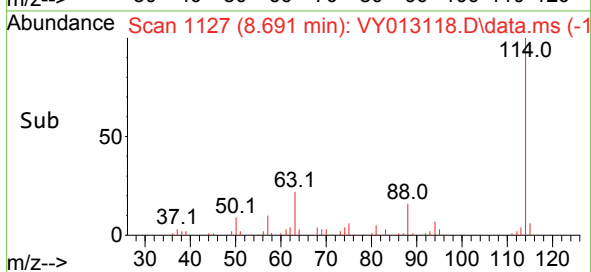
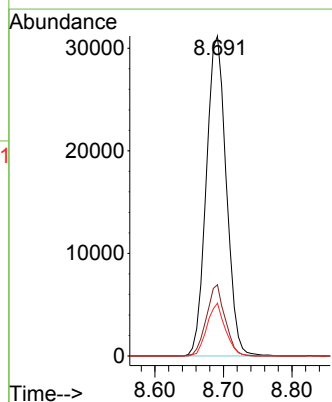
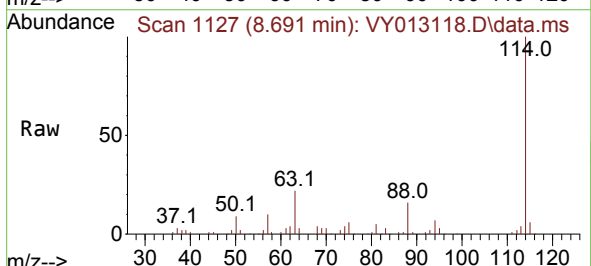
Tgt Ion: 114 Resp: 63236

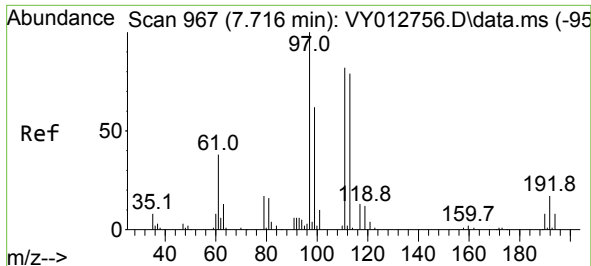
Ion Ratio Lower Upper

114 100

63 22.2 0.0 37.4

88 16.5 0.0 28.6

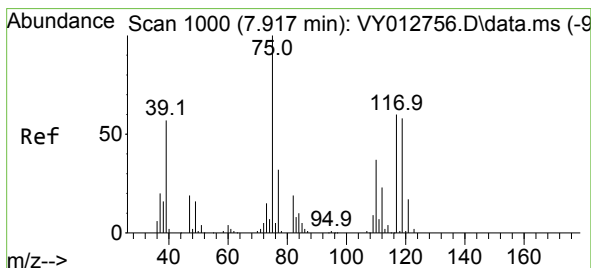
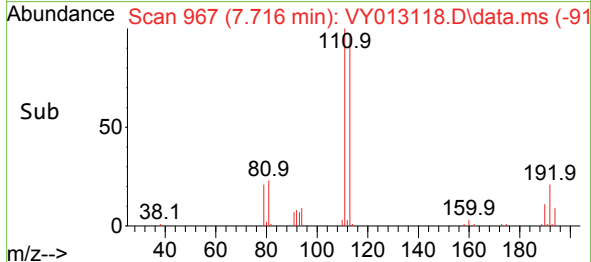
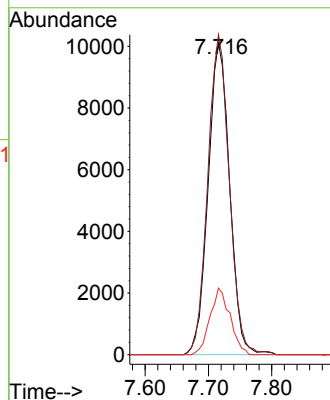
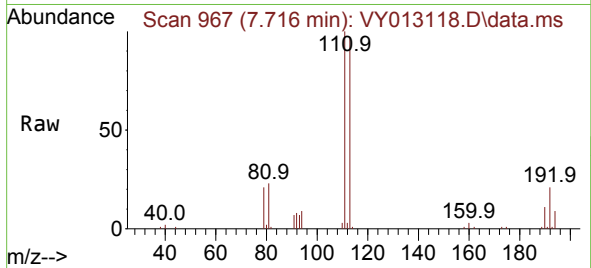




#35
Dibromofluoromethane
Concen: 62.600 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY013118.D
Acq: 28 Mar 2023 15:47

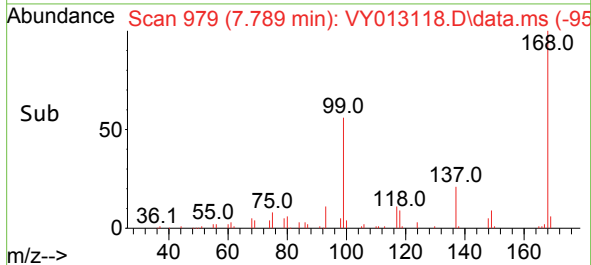
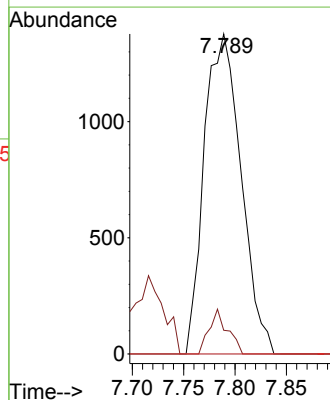
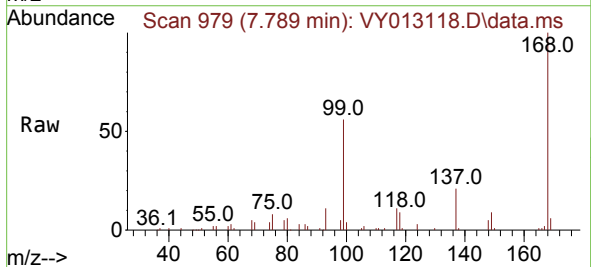
Instrument :
MSVOA_Y
ClientSampleId :
APCS-NORTH

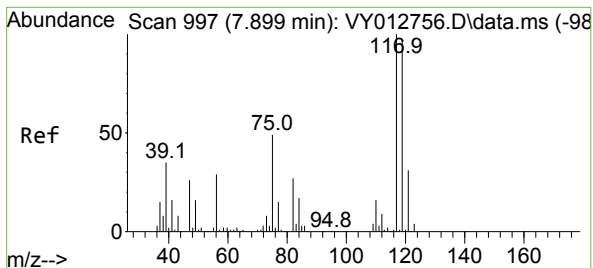
Tgt Ion:113 Resp: 23890
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 20.0 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.373 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013118.D
Acq: 28 Mar 2023 15:47

Tgt Ion: 75 Resp: 3436
Ion Ratio Lower Upper
75 100
110 7.0 17.8 53.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.805 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY013118.D

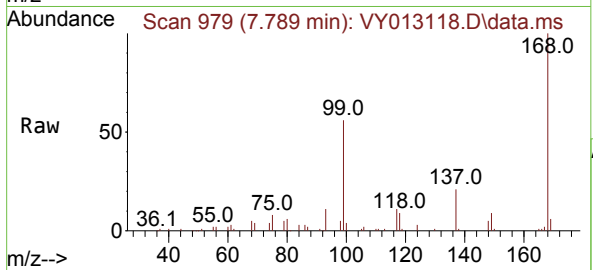
Acq: 28 Mar 2023 15:47

Instrument :

MSVOA_Y

ClientSampleId :

APCS-NORTH



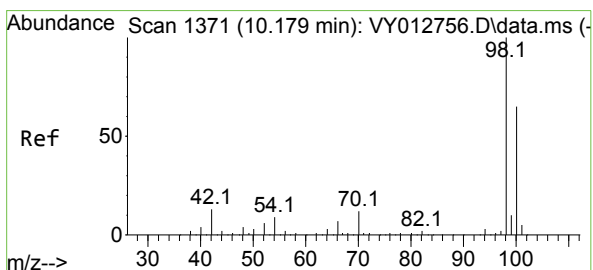
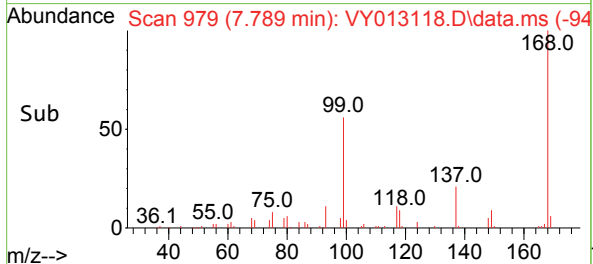
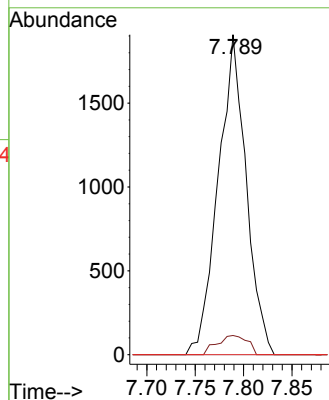
Tgt Ion:117 Resp: 3834

Ion Ratio Lower Upper

117 100

119 6.0 77.2 115.8#

121 0.0 24.7 37.1#



#50

Toluene-d8

Concen: 54.972 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY013118.D

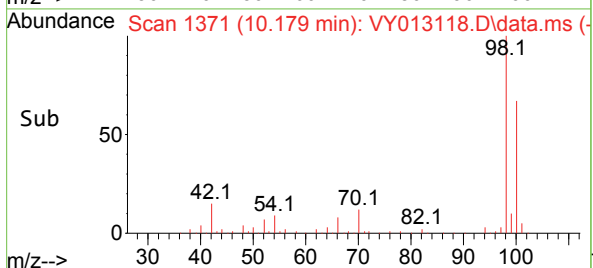
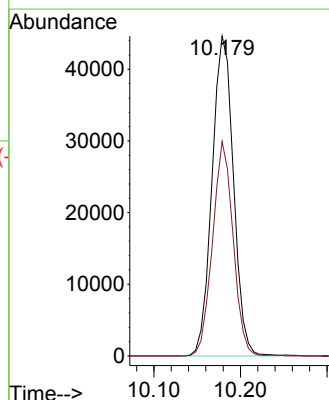
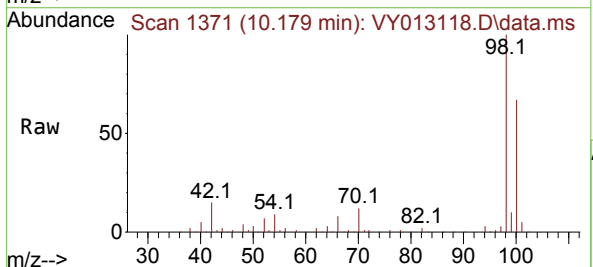
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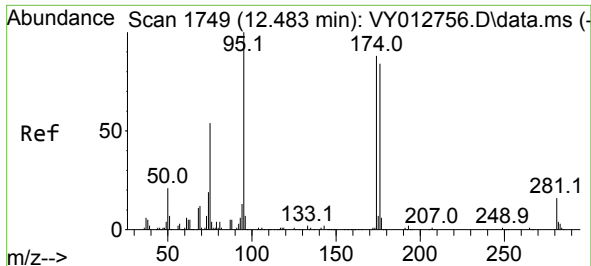
Tgt Ion: 98 Resp: 76694

Ion Ratio Lower Upper

98 100

100 64.1 50.9 76.3

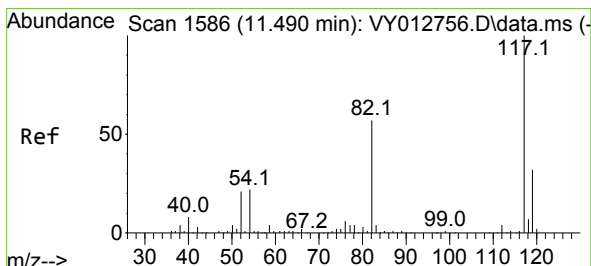
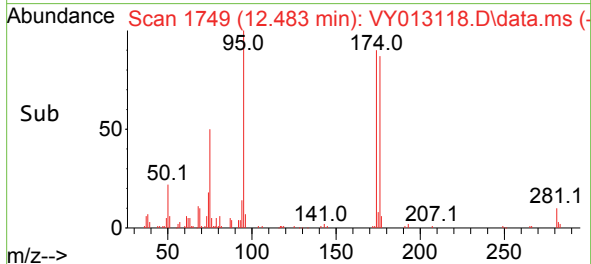
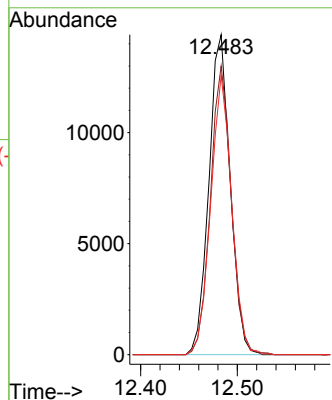
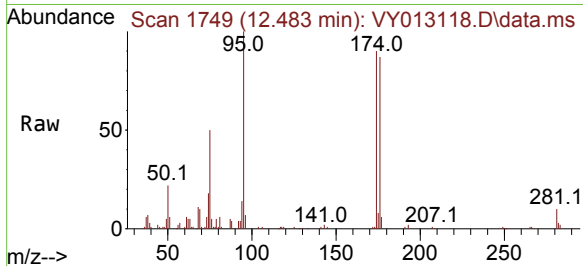




#62
4-Bromofluorobenzene
Concen: 46.953 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013118.D
Acq: 28 Mar 2023 15:47

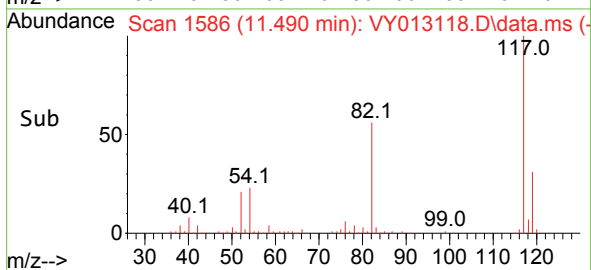
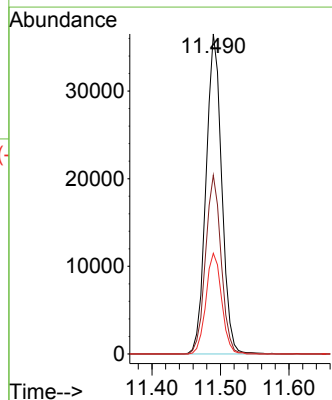
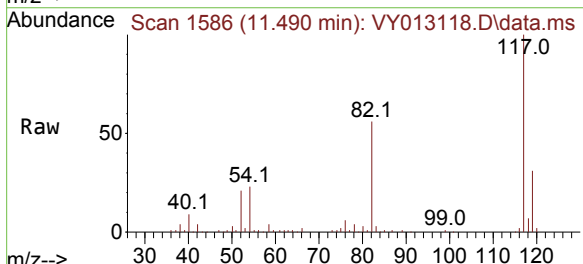
Instrument :
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APCS-NORTH

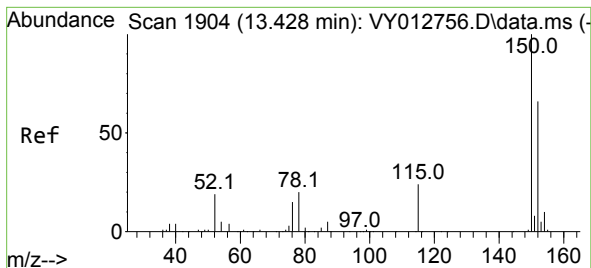
Tgt Ion: 95 Resp: 22110
Ion Ratio Lower Upper
95 100
174 88.3 0.0 176.6
176 85.9 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013118.D
Acq: 28 Mar 2023 15:47

Tgt Ion: 117 Resp: 58210
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.0
119 31.4 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY013118.D

Acq: 28 Mar 2023 15:47

Instrument :

MSVOA_Y

ClientSampleId :

APCS-NORTH

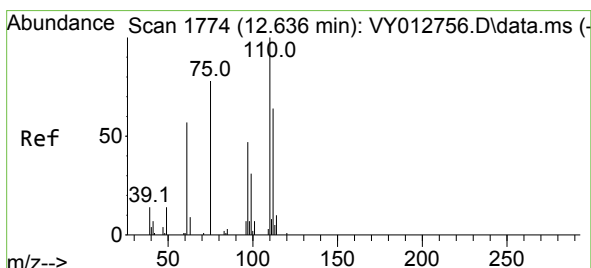
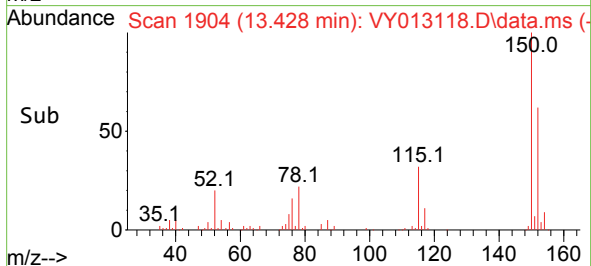
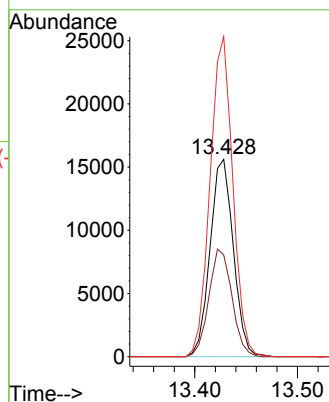
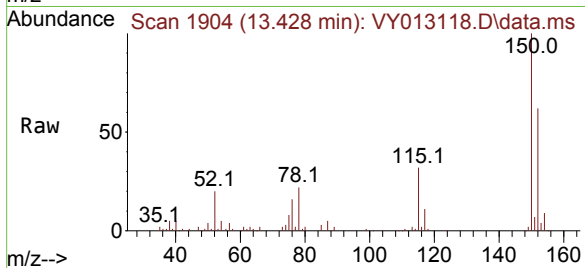
Tgt Ion:152 Resp: 24527

Ion Ratio Lower Upper

152 100

115 54.1 27.1 81.3

150 157.9 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 40.967 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY013118.D

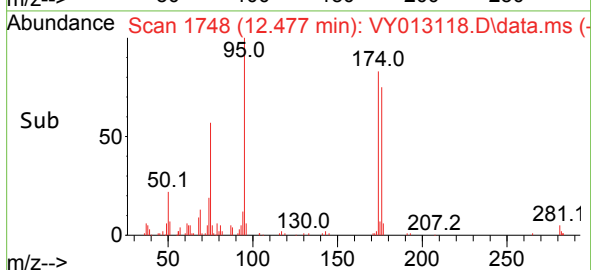
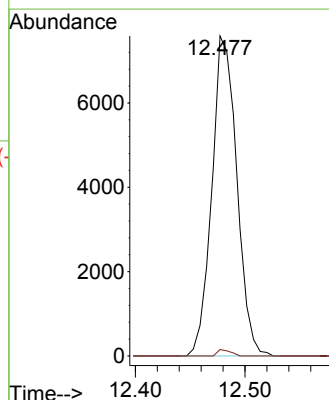
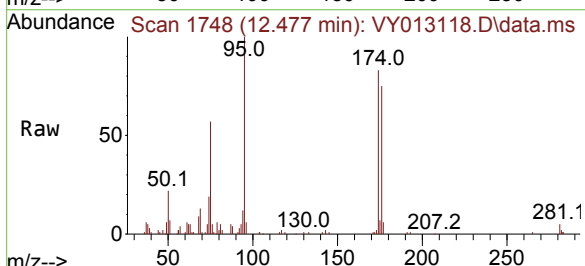
Acq: 28 Mar 2023 15:47

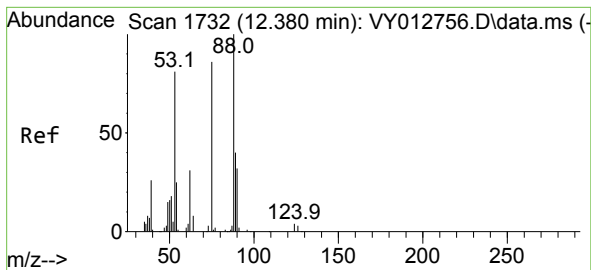
Tgt Ion: 75 Resp: 11999

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.886 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013118.D
 Acq: 28 Mar 2023 15:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 APCS-NORTH

Tgt Ion: 75 Resp: 11999
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 36.6 55.0#

