

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032723\
 Data File : VY013099.D
 Acq On : 27 Mar 2023 18:04
 Operator : KP/MD
 Sample : 02111-02
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 APCS-EAST

Quant Time: Mar 28 01:47:09 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)

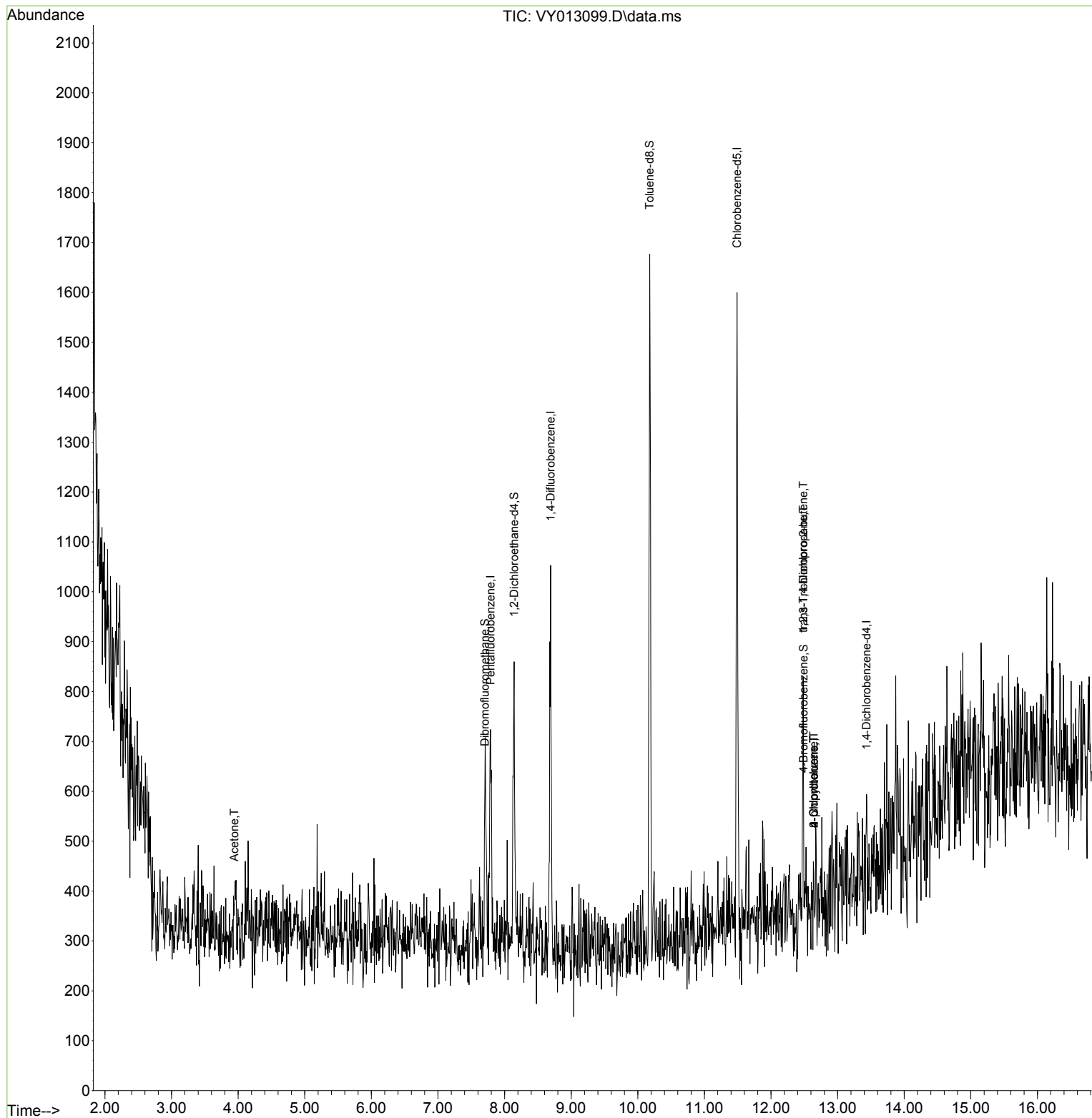
Internal Standards						
1) Pentafluorobenzene	7.789	168	508	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	705	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	48	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	510	101.115	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 202.220%#	
35) Dibromofluoromethane	7.704	113	269	50.026	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.060%	
50) Toluene-d8	10.179	98	1032	52.498	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.000%	
62) 4-Bromofluorobenzene	12.489	95	203	30.595	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 61.200%	
Target Compounds						Qvalue
16) Acetone	3.942	43	142	71.727	ug/l	# 44
76) 1,2,3-Trichloropropane	12.483	75	46	80.252	ug/l	# 100
78) n-propylbenzene	12.642	91	19	4.530	ug/l	# 52
79) 2-Chlorotoluene	12.642	91	19	8.151	ug/l	# 40
81) trans-1,4-Dichloro-2-b...	12.483	75	46	166.284	ug/l	# 13
82) 4-Chlorotoluene	12.642	91	19	7.874	ug/l	# 39

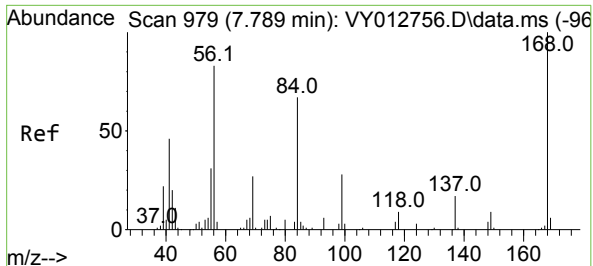
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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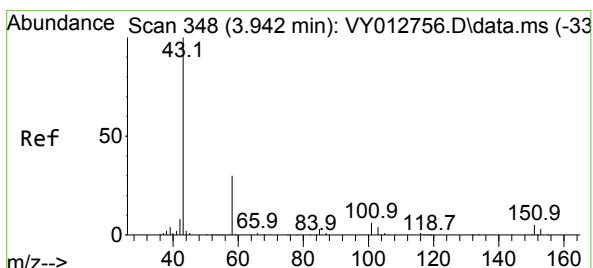
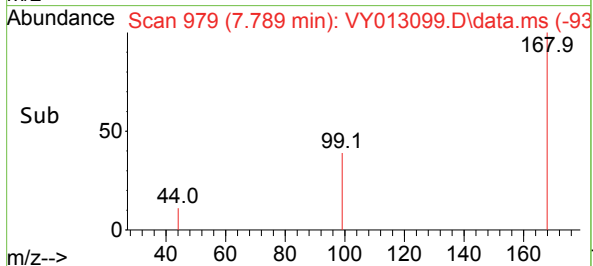
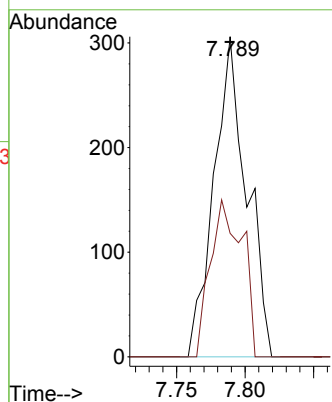
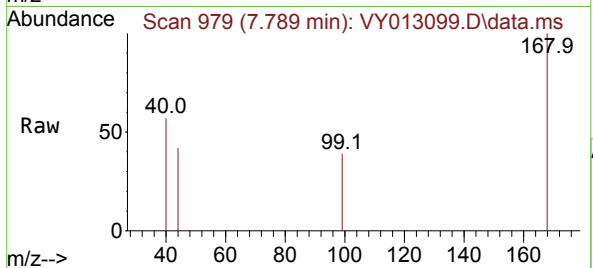




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013099.D
Acq: 27 Mar 2023 18:04

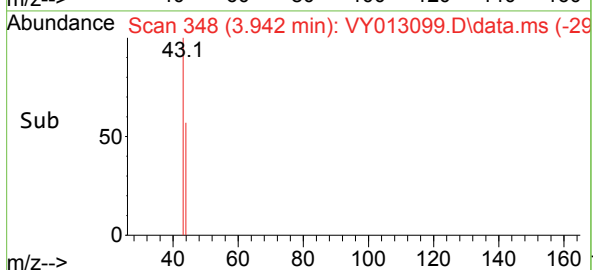
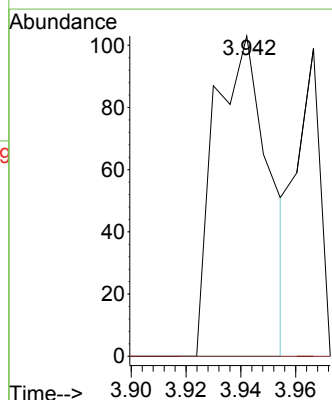
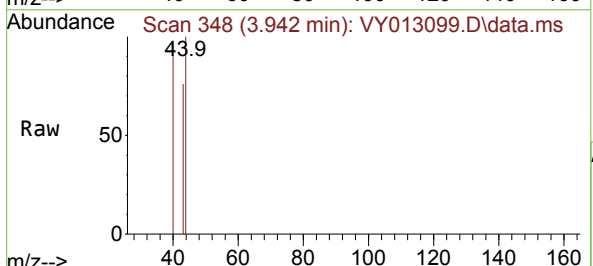
Instrument :
MSVOA_Y
ClientSampleId :
APCS-EAST

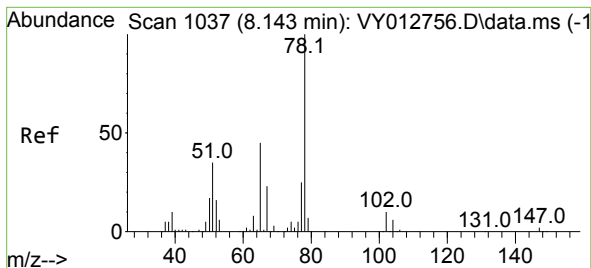
Tgt Ion:168 Resp: 508
Ion Ratio Lower Upper
168 100
99 38.6 41.7 62.5#



#16
Acetone
Concen: 71.727 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY013099.D
Acq: 27 Mar 2023 18:04

Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.2#





#33

1,2-Dichloroethane-d4

Concen: 101.115 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY013099.D

Acq: 27 Mar 2023 18:04

Instrument :

MSVOA_Y

ClientSampleId :

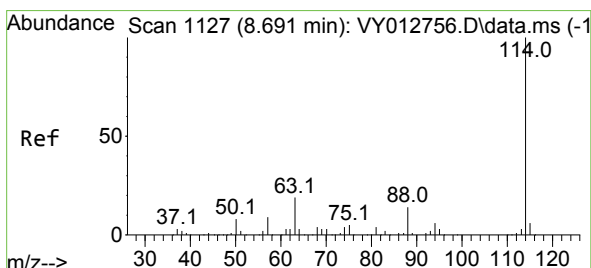
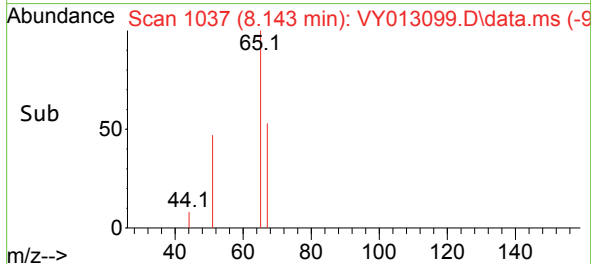
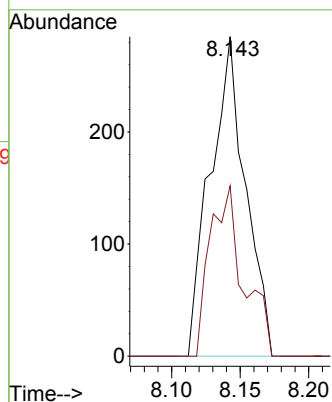
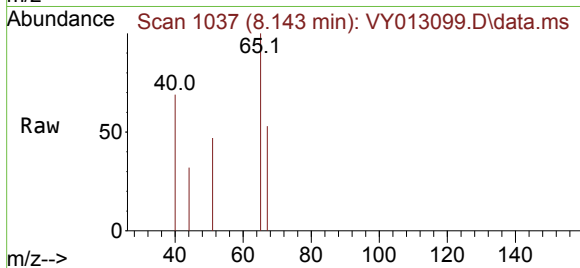
APCS-EAST

Tgt Ion: 65 Resp: 510

Ion Ratio Lower Upper

65 100

67 50.8 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: VY013099.D

Acq: 27 Mar 2023 18:04

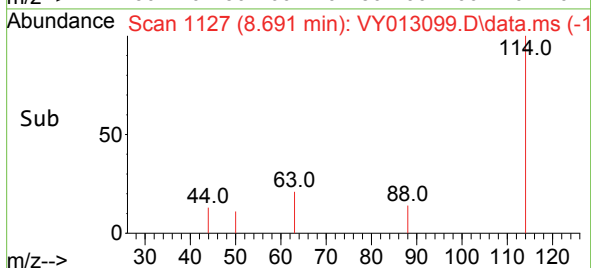
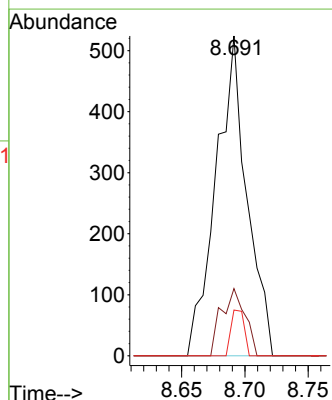
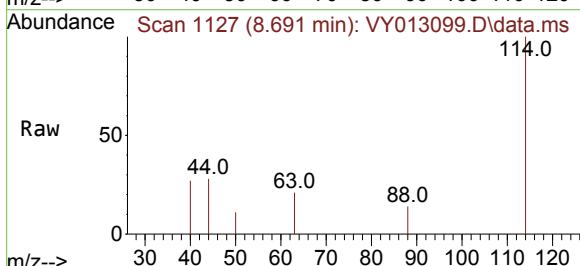
Tgt Ion: 114 Resp: 891

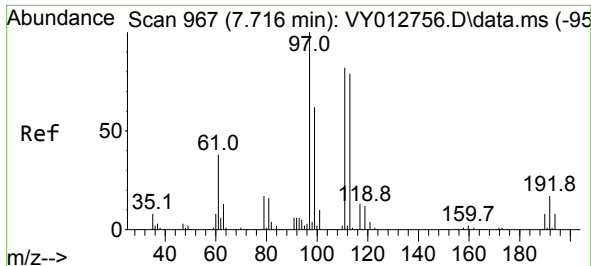
Ion Ratio Lower Upper

114 100

63 21.0 0.0 37.4

88 14.3 0.0 28.6





#35

Dibromofluoromethane

Concen: 50.026 ug/l

RT: 7.704 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY013099.D

Acq: 27 Mar 2023 18:04

Instrument :

MSVOA_Y

ClientSampleId :

APCS-EAST

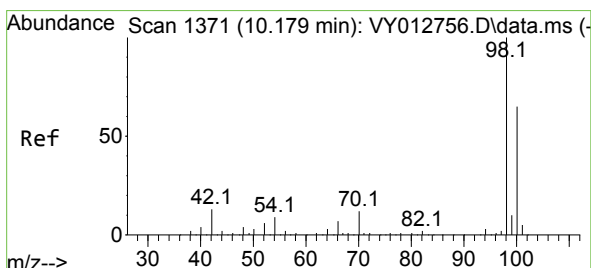
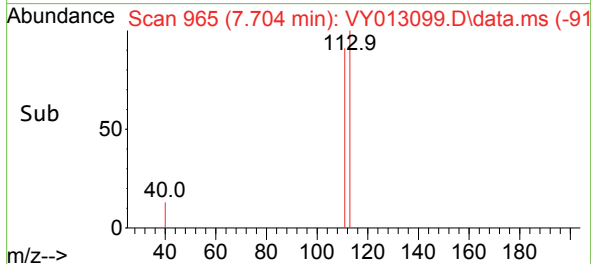
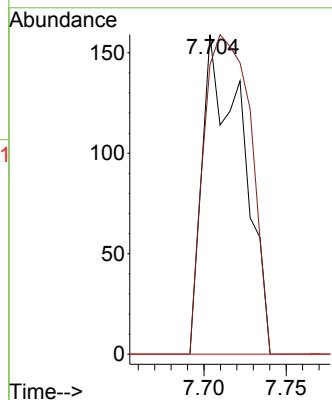
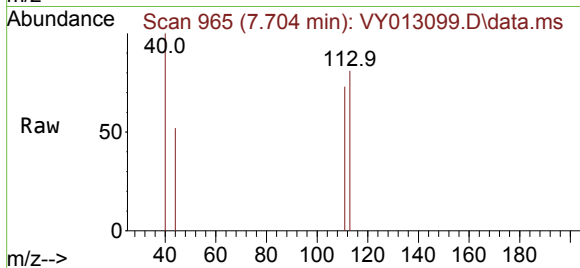
Tgt Ion:113 Resp: 269

Ion Ratio Lower Upper

113 100

111 117.1 82.2 123.2

192 0.0 16.8 25.2#



#50

Toluene-d8

Concen: 52.498 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY013099.D

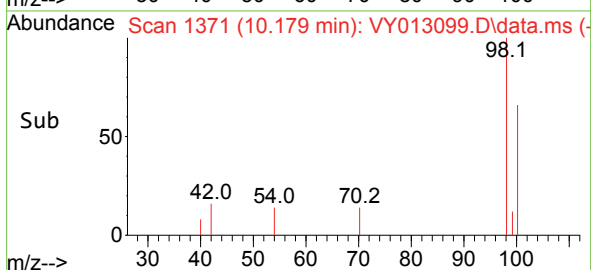
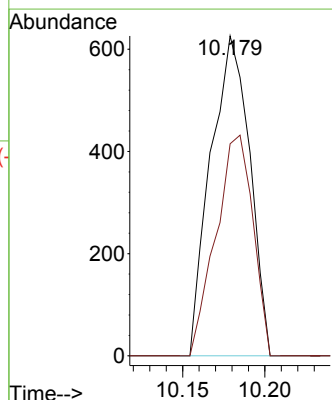
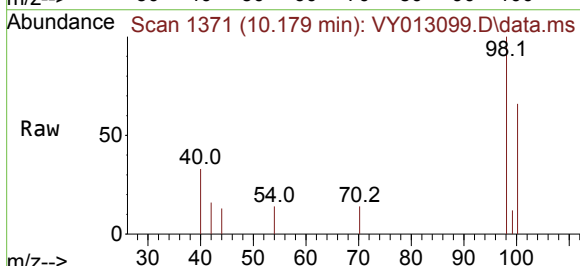
Acq: 27 Mar 2023 18:04

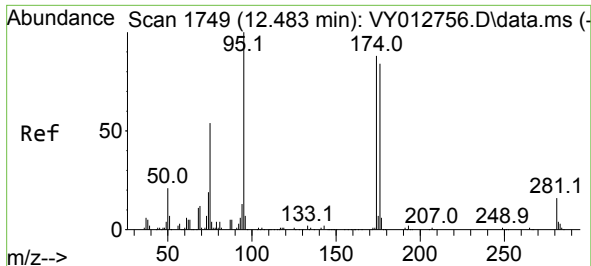
Tgt Ion: 98 Resp: 1032

Ion Ratio Lower Upper

98 100

100 65.5 50.9 76.3

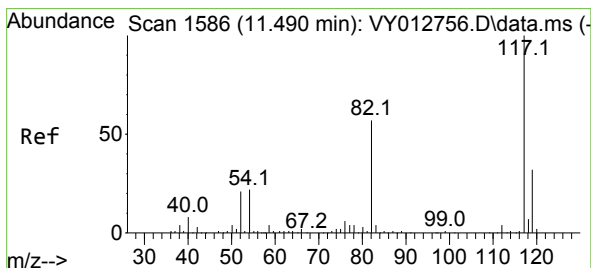
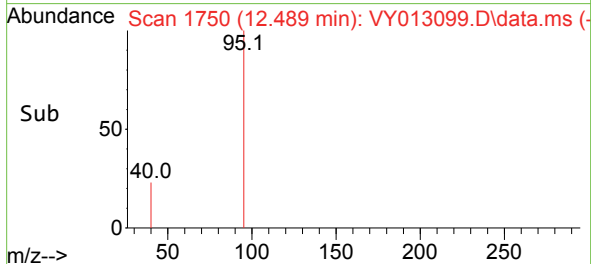
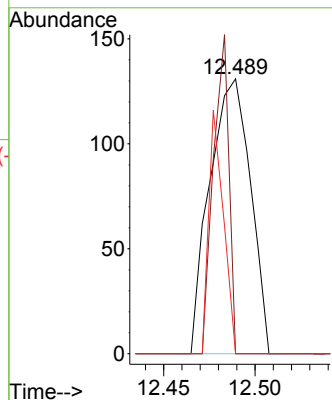
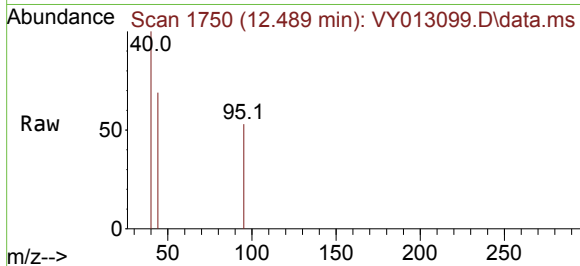




#62
4-Bromofluorobenzene
Concen: 30.595 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY013099.D
Acq: 27 Mar 2023 18:04

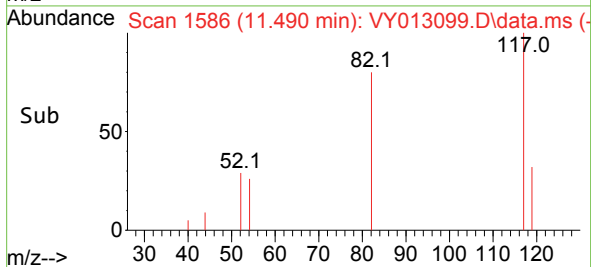
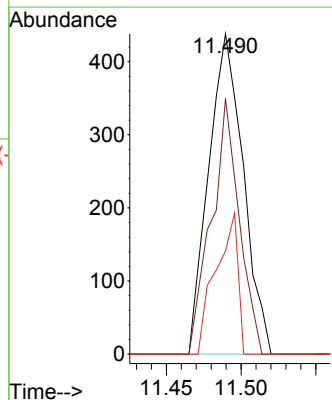
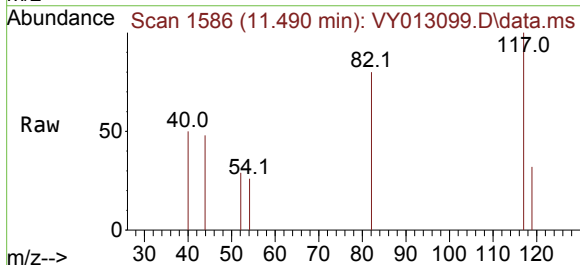
Instrument :
MSVOA_Y
ClientSampleId :
APCS-EAST

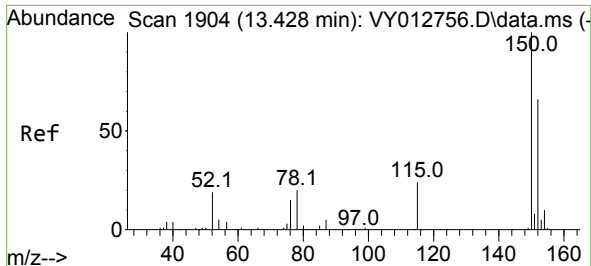
Tgt Ion:	95	Resp:	203
Ion	Ratio	Lower	Upper
95	100		
174	44.3	0.0	176.6
176	32.0	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013099.D
Acq: 27 Mar 2023 18:04

Tgt Ion:	117	Resp:	705
Ion	Ratio	Lower	Upper
117	100		
82	79.9	45.4	68.0#
119	32.2	25.6	38.4

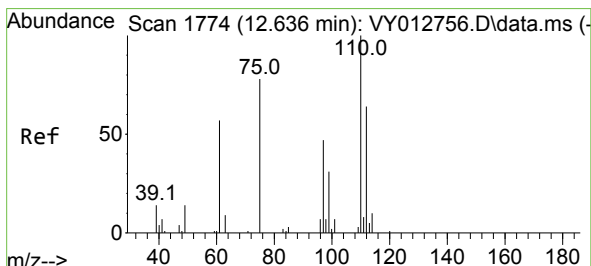
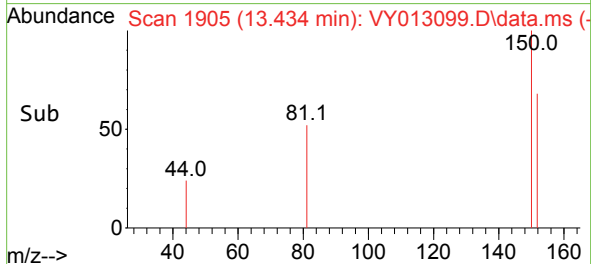
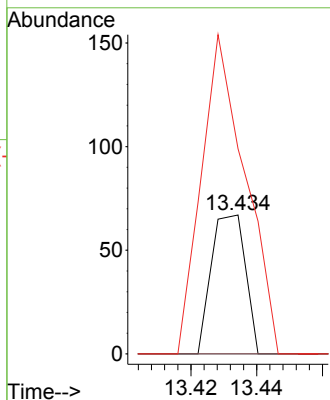
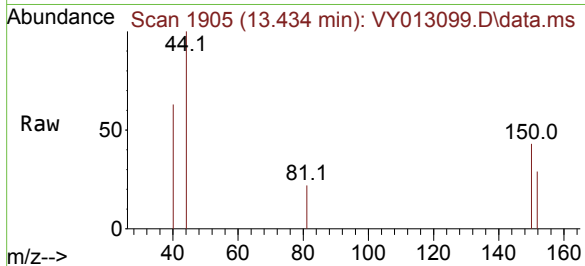




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.006 min
 Lab File: VY013099.D
 Acq: 27 Mar 2023 18:04

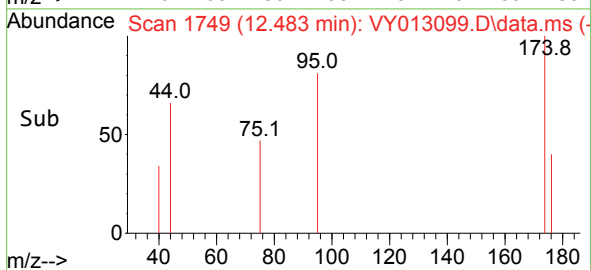
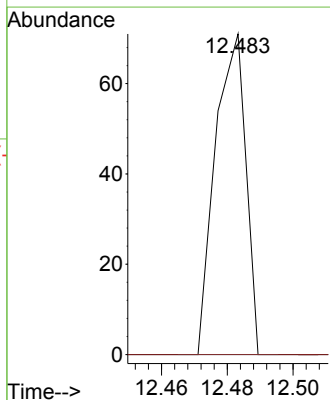
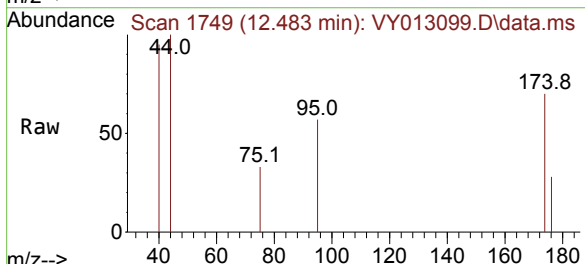
Instrument :
 MSVOA_Y
 ClientSampleId :
 APCS-EAST

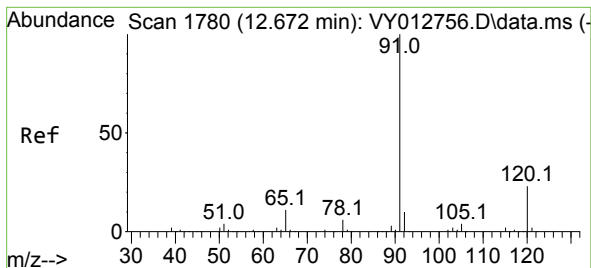
Tgt Ion:152 Resp: 48
 Ion Ratio Lower Upper
 152 100
 115 0.0 27.1 81.3#
 150 297.9 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 80.252 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY013099.D
 Acq: 27 Mar 2023 18:04

Tgt Ion: 75 Resp: 46
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#78

n-propylbenzene

Concen: 4.530 ug/l

RT: 12.642 min Scan# 1775

Delta R.T. -0.030 min

Lab File: VY013099.D

Acq: 27 Mar 2023 18:04

Instrument :

MSVOA_Y

ClientSampleId :

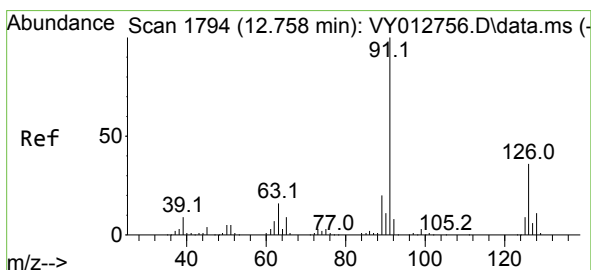
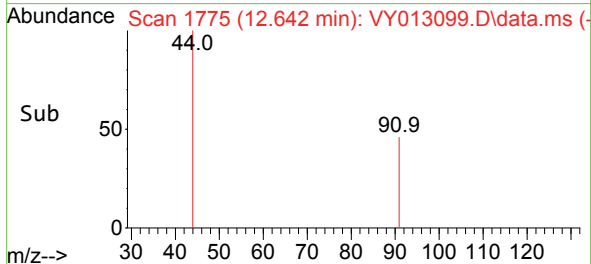
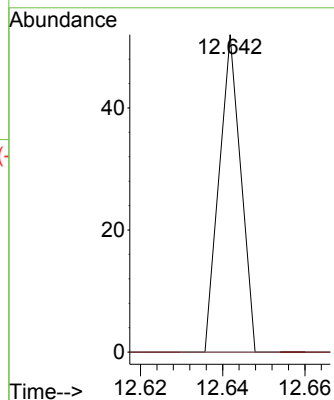
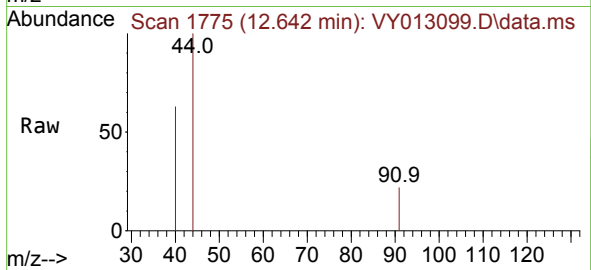
APCS-EAST

Tgt Ion: 91 Resp: 19

Ion Ratio Lower Upper

91 100

120 0.0 11.6 34.8#



#79

2-Chlorotoluene

Concen: 8.151 ug/l

RT: 12.642 min Scan# 1775

Delta R.T. -0.116 min

Lab File: VY013099.D

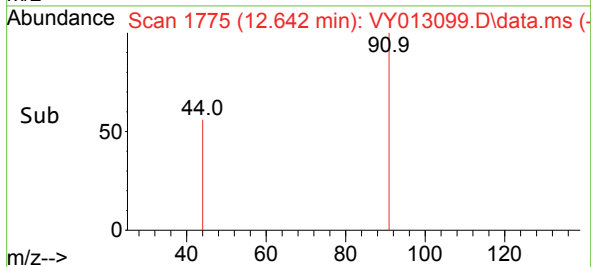
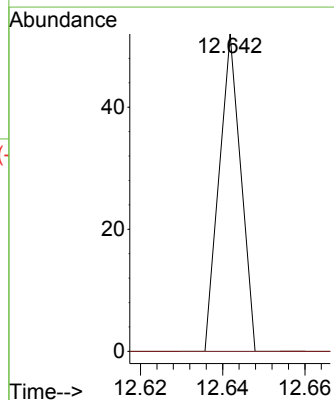
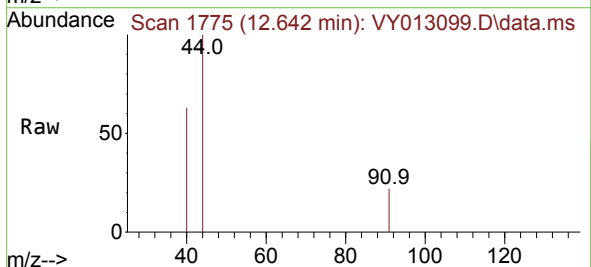
Acq: 27 Mar 2023 18:04

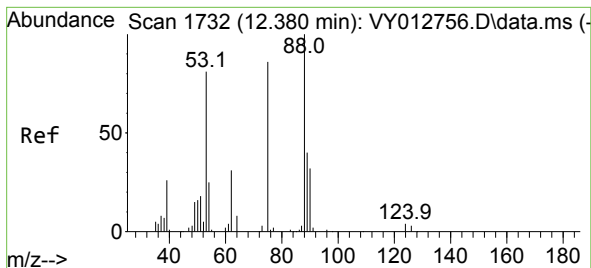
Tgt Ion: 91 Resp: 19

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.2#

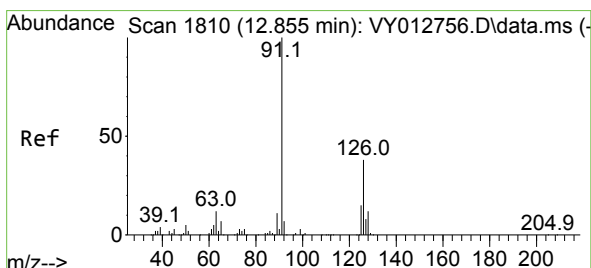
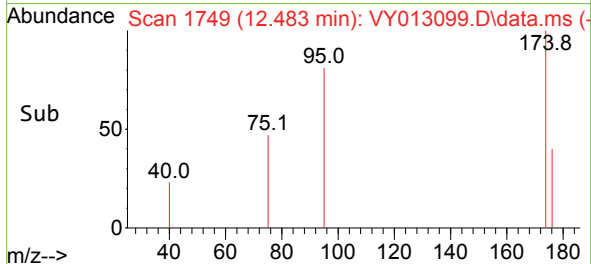
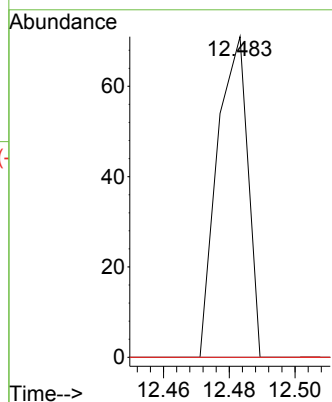
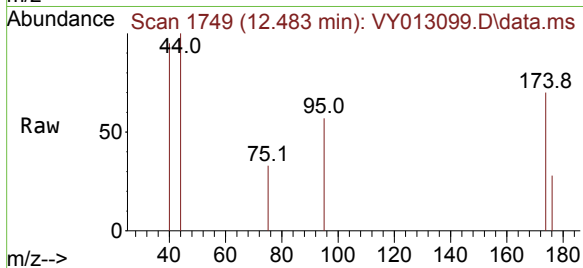




#81
trans-1,4-Dichloro-2-butene
Concen: 166.284 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013099.D
Acq: 27 Mar 2023 18:04

Instrument :
MSVOA_Y
ClientSampleId :
APCS-EAST

Tgt Ion: 75 Resp: 46
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#



#82
4-Chlorotoluene
Concen: 7.874 ug/l
RT: 12.642 min Scan# 1775
Delta R.T. -0.213 min
Lab File: VY013099.D
Acq: 27 Mar 2023 18:04

Tgt Ion: 91 Resp: 19
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#

