

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030323\
 Data File : VY012804.D
 Acq On : 03 Mar 2023 18:20
 Operator : KP/MD
 Sample : 01749-10
 Misc : 6.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CF-12

Quant Time: Mar 04 01:26:33 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)

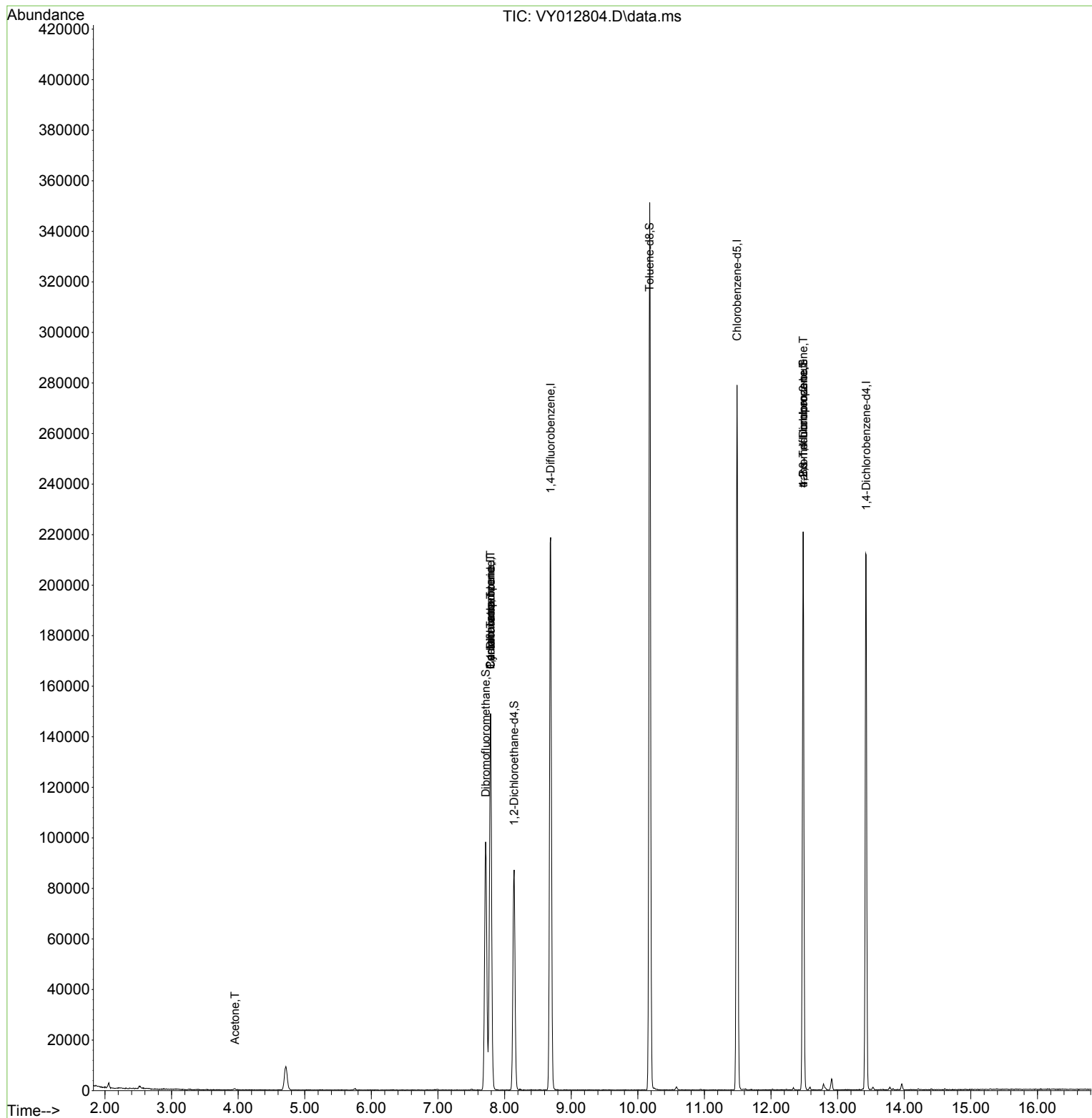
Internal Standards						
1) Pentafluorobenzene	7.789	168	114396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	186019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	148554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	55070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	66274	58.350	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.700%
35) Dibromofluoromethane	7.716	113	67787	60.383	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	120.760%
50) Toluene-d8	10.179	98	230816	56.241	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.480%
62) 4-Bromofluorobenzene	12.483	95	62126	44.849	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.700%
Target Compounds						
11) Tert butyl alcohol	4.911	59	18	Below Cal	#	74
16) Acetone	3.954	43	866	1.943	ug/l #	80
20) Methylene Chloride	4.722	84	7151	Below Cal		95
31) Cyclohexane	7.789	56	2594	1.192	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	8756	4.654	ug/l #	49
38) Carbon Tetrachloride	7.789	117	11101	5.714	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	32779	49.845	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	32779	103.280	ug/l #	13

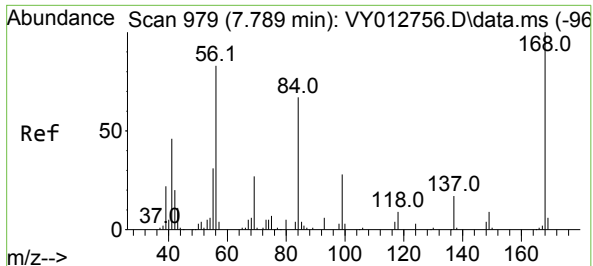
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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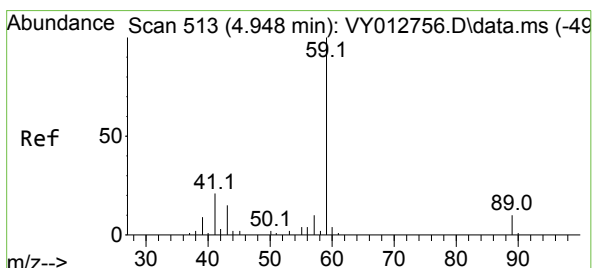
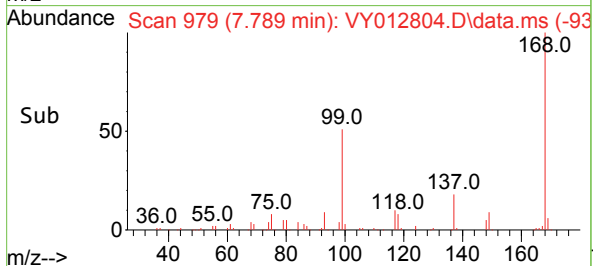
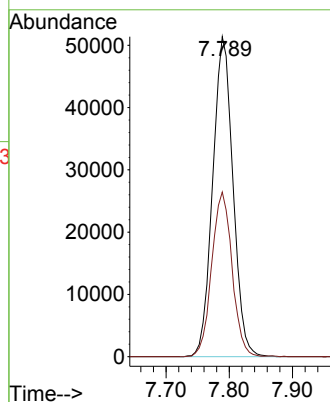
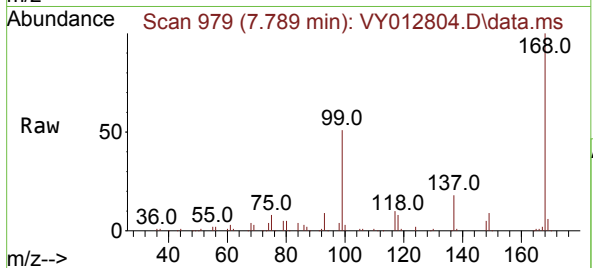




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012804.D
Acq: 03 Mar 2023 18:20

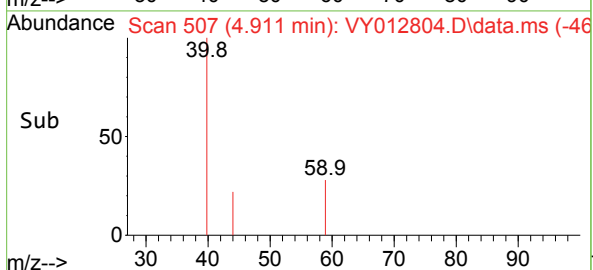
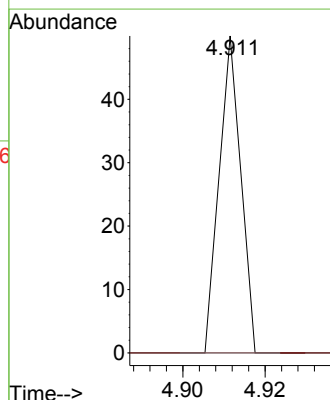
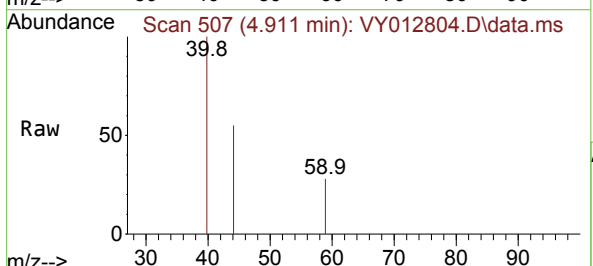
Instrument :
MSVOA_Y
ClientSampleId :
CF-12

Tgt Ion:168 Resp: 114396
Ion Ratio Lower Upper
168 100
99 51.5 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 507
Delta R.T. -0.037 min
Lab File: VY012804.D
Acq: 03 Mar 2023 18:20

Tgt Ion: 59 Resp: 18
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 1.943 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY012804.D

Acq: 03 Mar 2023 18:20

Instrument :

MSVOA_Y

ClientSampleId :

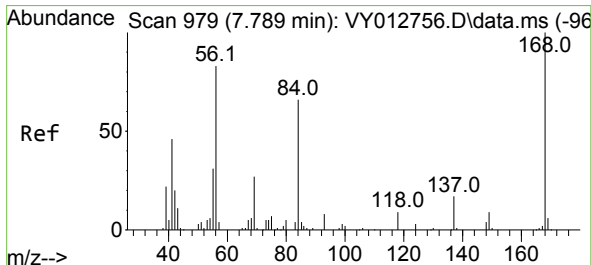
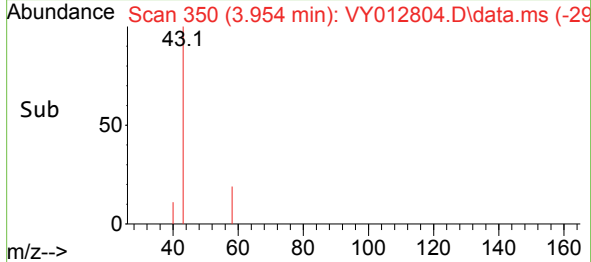
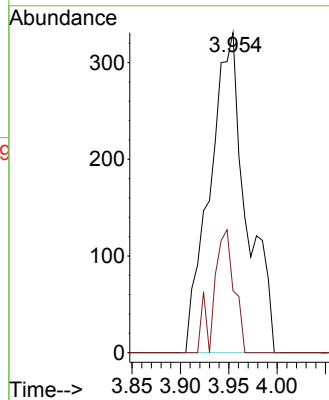
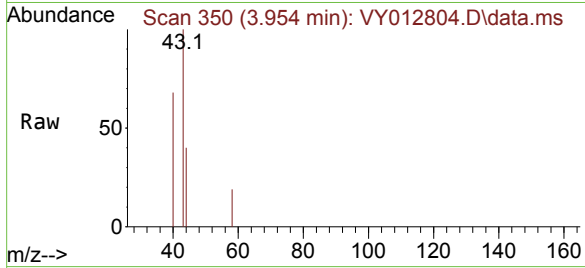
CF-12

Tgt Ion: 43 Resp: 866

Ion Ratio Lower Upper

43 100

58 19.3 24.2 36.2#



#31

Cyclohexane

Concen: 1.192 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.000 min

Lab File: VY012804.D

Acq: 03 Mar 2023 18:20

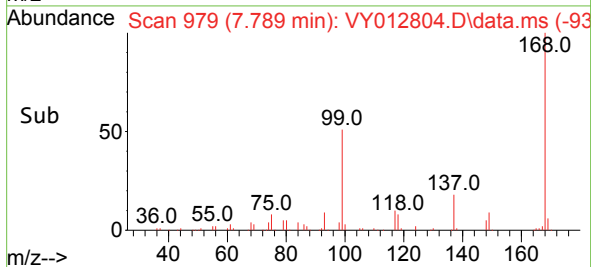
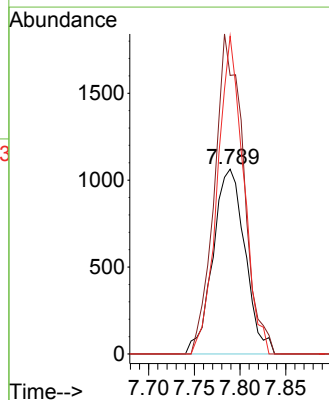
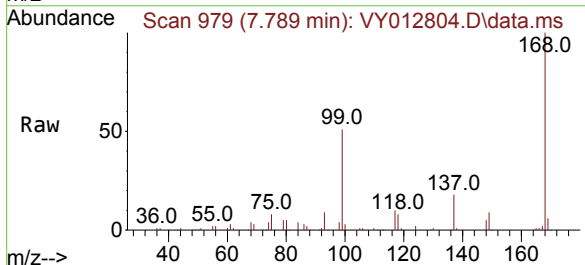
Tgt Ion: 56 Resp: 2594

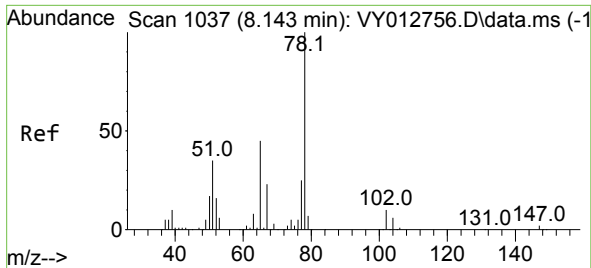
Ion Ratio Lower Upper

56 100

69 150.8 25.7 38.5#

84 172.0 64.3 96.5#

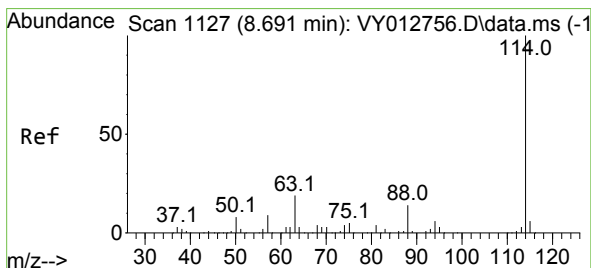
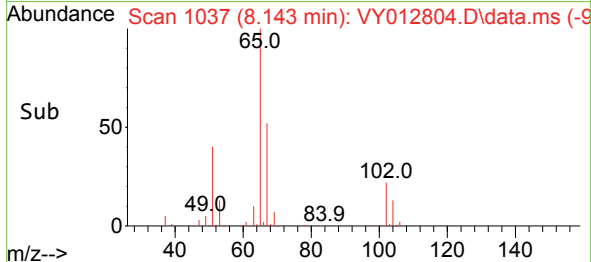
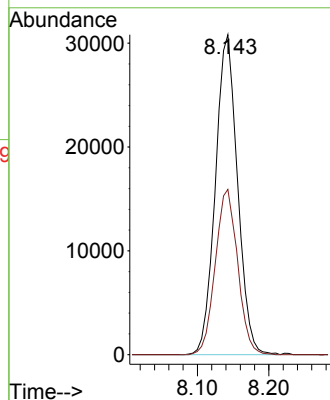
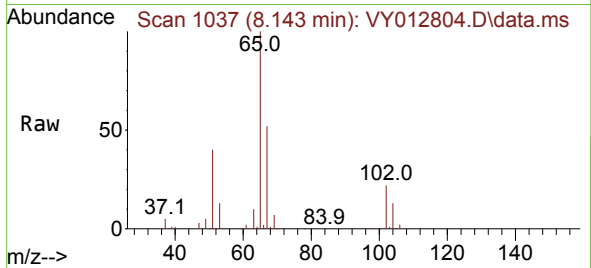




#33
 1,2-Dichloroethane-d4
 Concen: 58.350 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY012804.D
 Acq: 03 Mar 2023 18:20

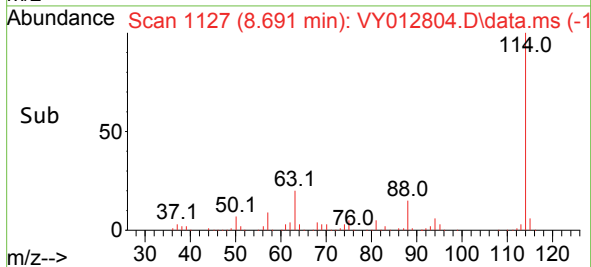
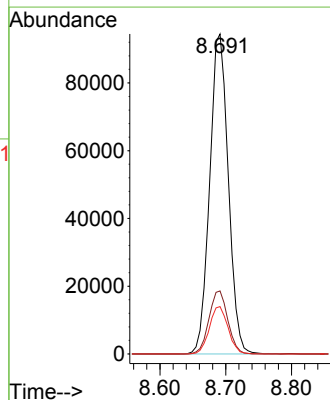
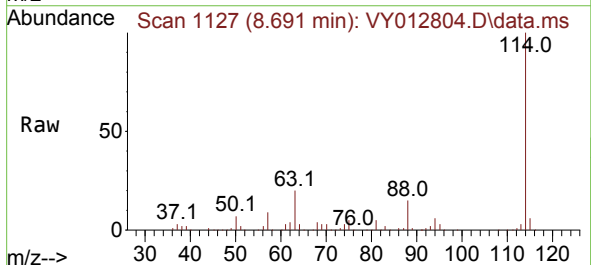
Instrument :
 MSVOA_Y
 ClientSampleId :
 CF-12

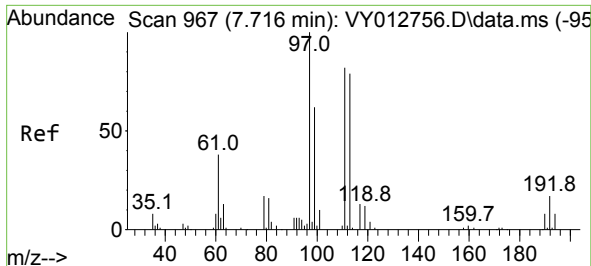
Tgt Ion: 65 Resp: 66274
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012804.D
 Acq: 03 Mar 2023 18:20

Tgt Ion: 114 Resp: 186019
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 37.4
 88 14.8 0.0 28.6

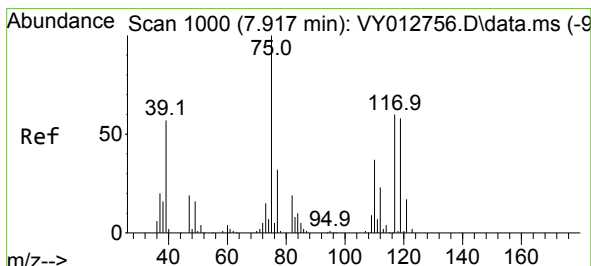
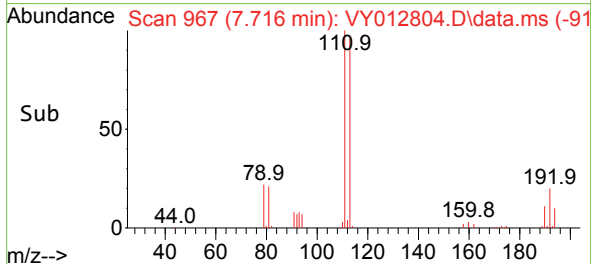
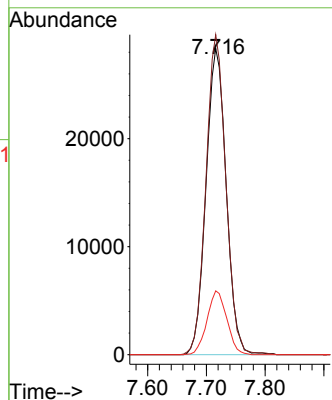
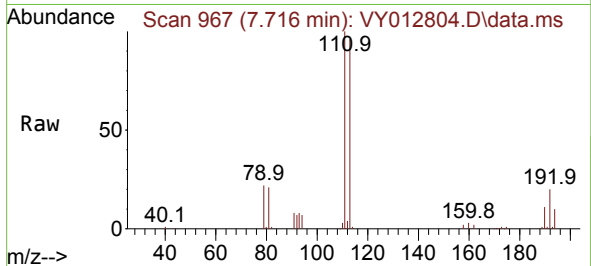




#35
Dibromofluoromethane
Concen: 60.383 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY012804.D
Acq: 03 Mar 2023 18:20

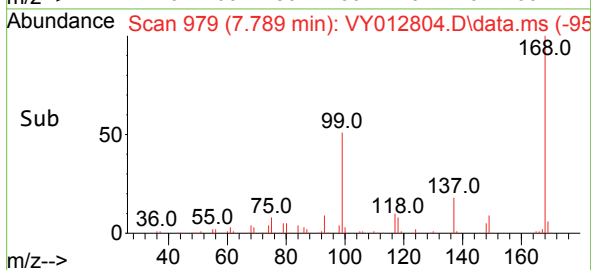
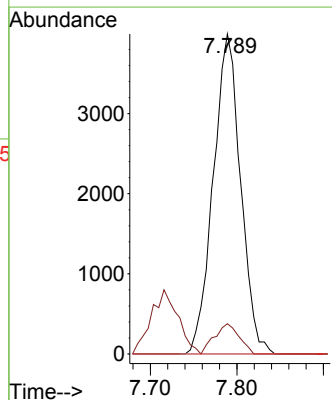
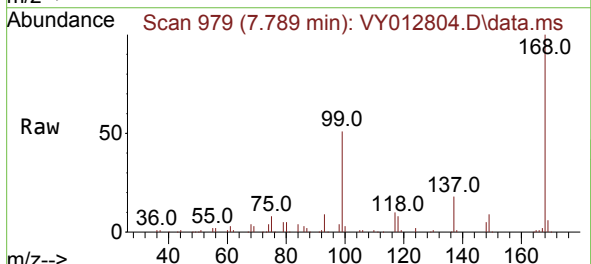
Instrument :
MSVOA_Y
ClientSampleId :
CF-12

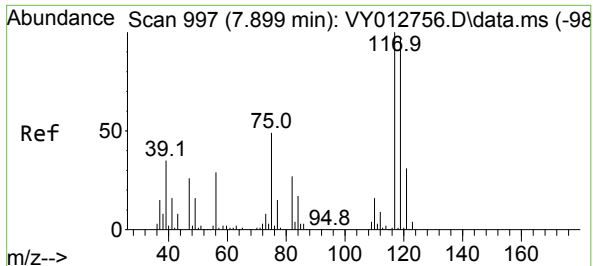
Tgt Ion:113 Resp: 67787
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 20.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.654 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012804.D
Acq: 03 Mar 2023 18:20

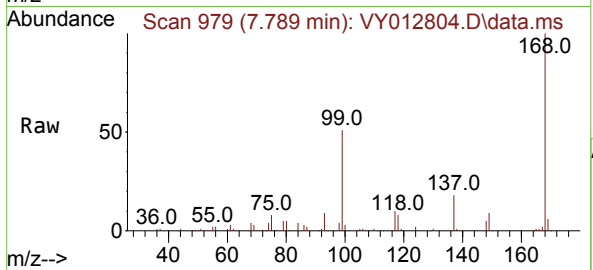
Tgt Ion: 75 Resp: 8756
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.3#
77 0.0 25.0 37.4#



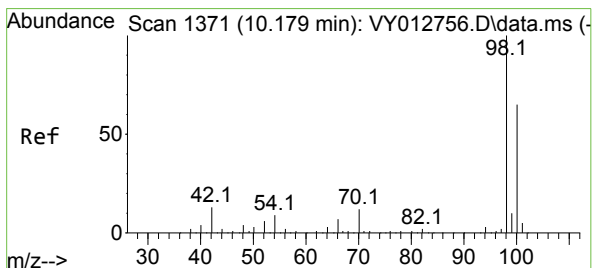
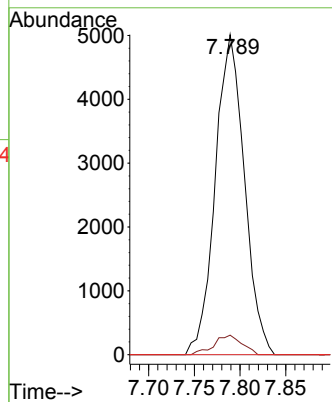
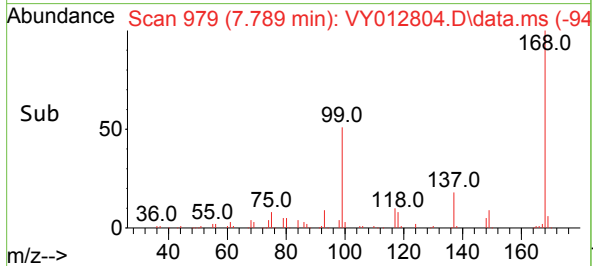


#38
Carbon Tetrachloride
Concen: 5.714 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012804.D
Acq: 03 Mar 2023 18:20

Instrument :
MSVOA_Y
ClientSampleId :
CF-12

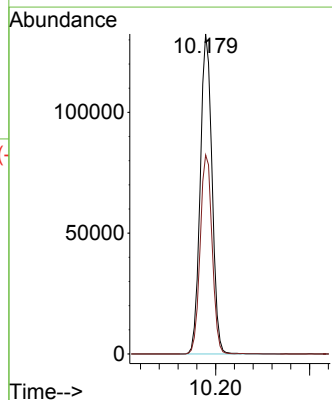
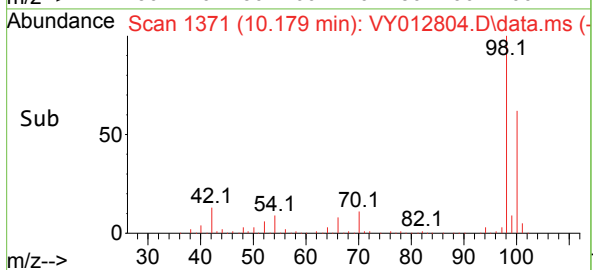
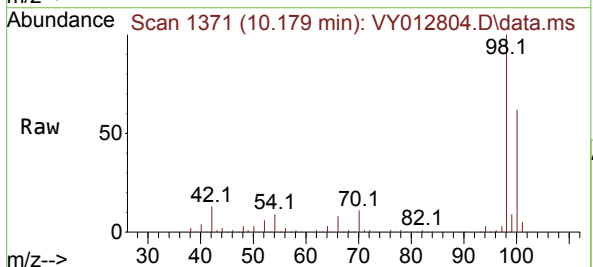


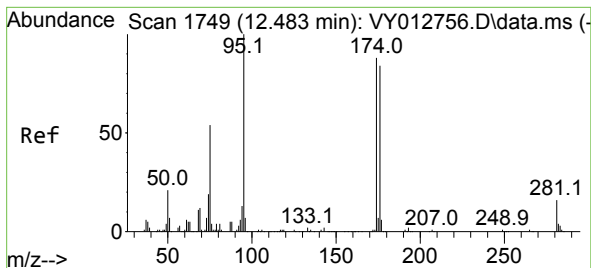
Tgt Ion:117 Resp: 11101
Ion Ratio Lower Upper
117 100
119 6.1 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 56.241 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012804.D
Acq: 03 Mar 2023 18:20

Tgt Ion: 98 Resp: 230816
Ion Ratio Lower Upper
98 100
100 63.1 50.9 76.3

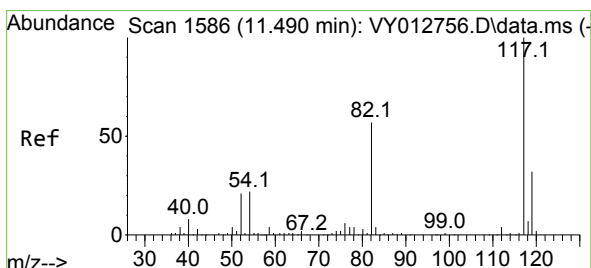
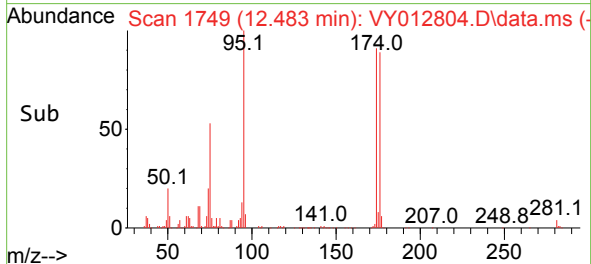
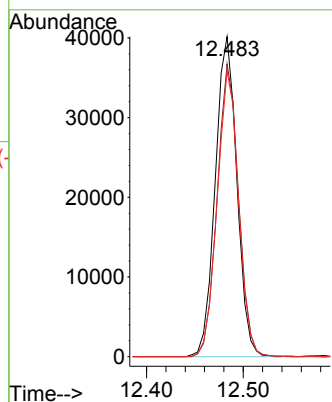
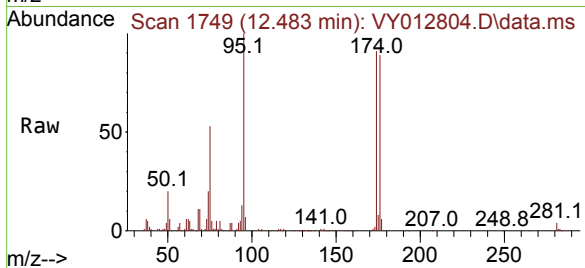




#62
4-Bromofluorobenzene
Concen: 44.849 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012804.D
Acq: 03 Mar 2023 18:20

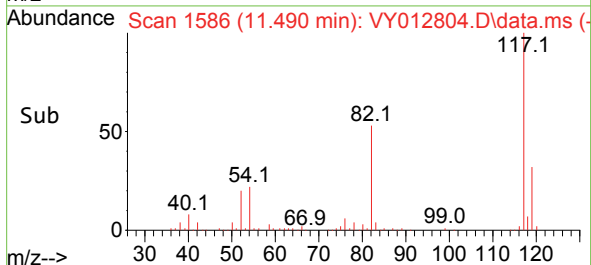
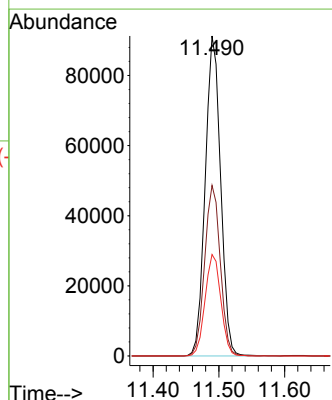
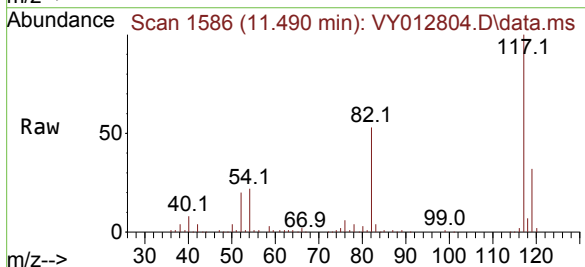
Instrument :
MSVOA_Y
ClientSampleId :
CF-12

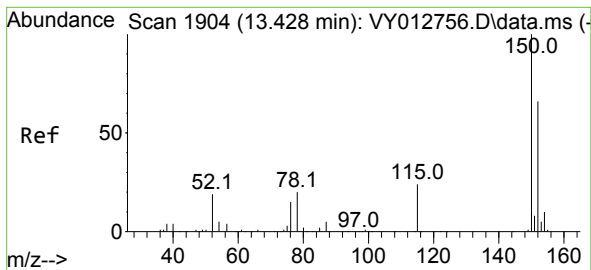
Tgt Ion: 95 Resp: 62126
Ion Ratio Lower Upper
95 100
174 90.8 0.0 176.6
176 88.5 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012804.D
Acq: 03 Mar 2023 18:20

Tgt Ion: 117 Resp: 148554
Ion Ratio Lower Upper
117 100
82 53.3 45.4 68.0
119 31.7 25.6 38.4

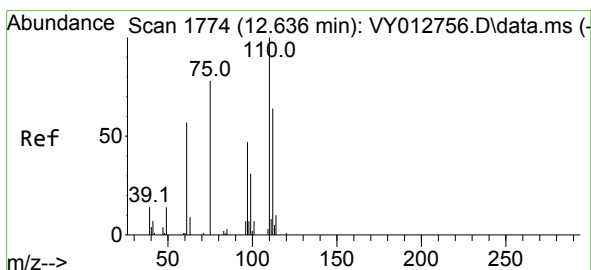
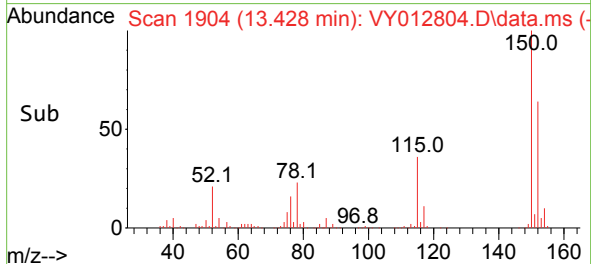
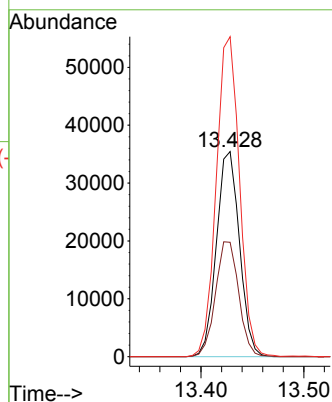
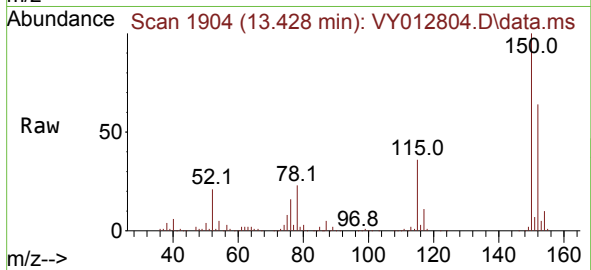




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012804.D
 Acq: 03 Mar 2023 18:20

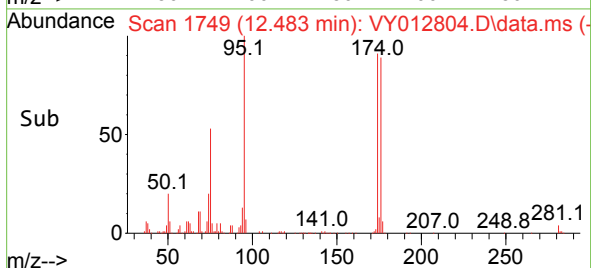
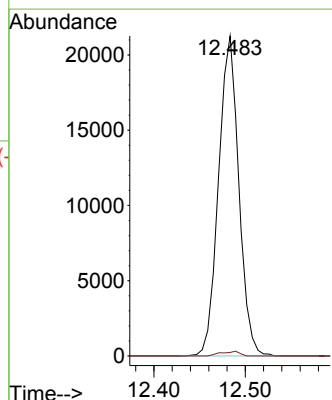
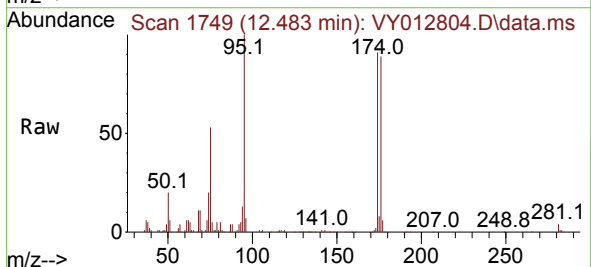
Instrument :
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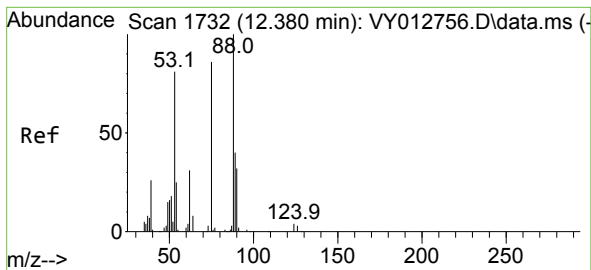
Tgt Ion:152 Resp: 55070
 Ion Ratio Lower Upper
 152 100
 115 56.6 27.1 81.3
 150 157.3 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 49.845 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012804.D
 Acq: 03 Mar 2023 18:20

Tgt Ion: 75 Resp: 32779
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.280 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012804.D
 Acq: 03 Mar 2023 18:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 CF-12

Tgt Ion: 75 Resp: 32779
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.1 36.6 55.0#

