

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030323\
 Data File : VY012809.D
 Acq On : 03 Mar 2023 20:13
 Operator : KP/MD
 Sample : 01749-15
 Misc : 6.73g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CF-17

Quant Time: Mar 04 01:28:02 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)

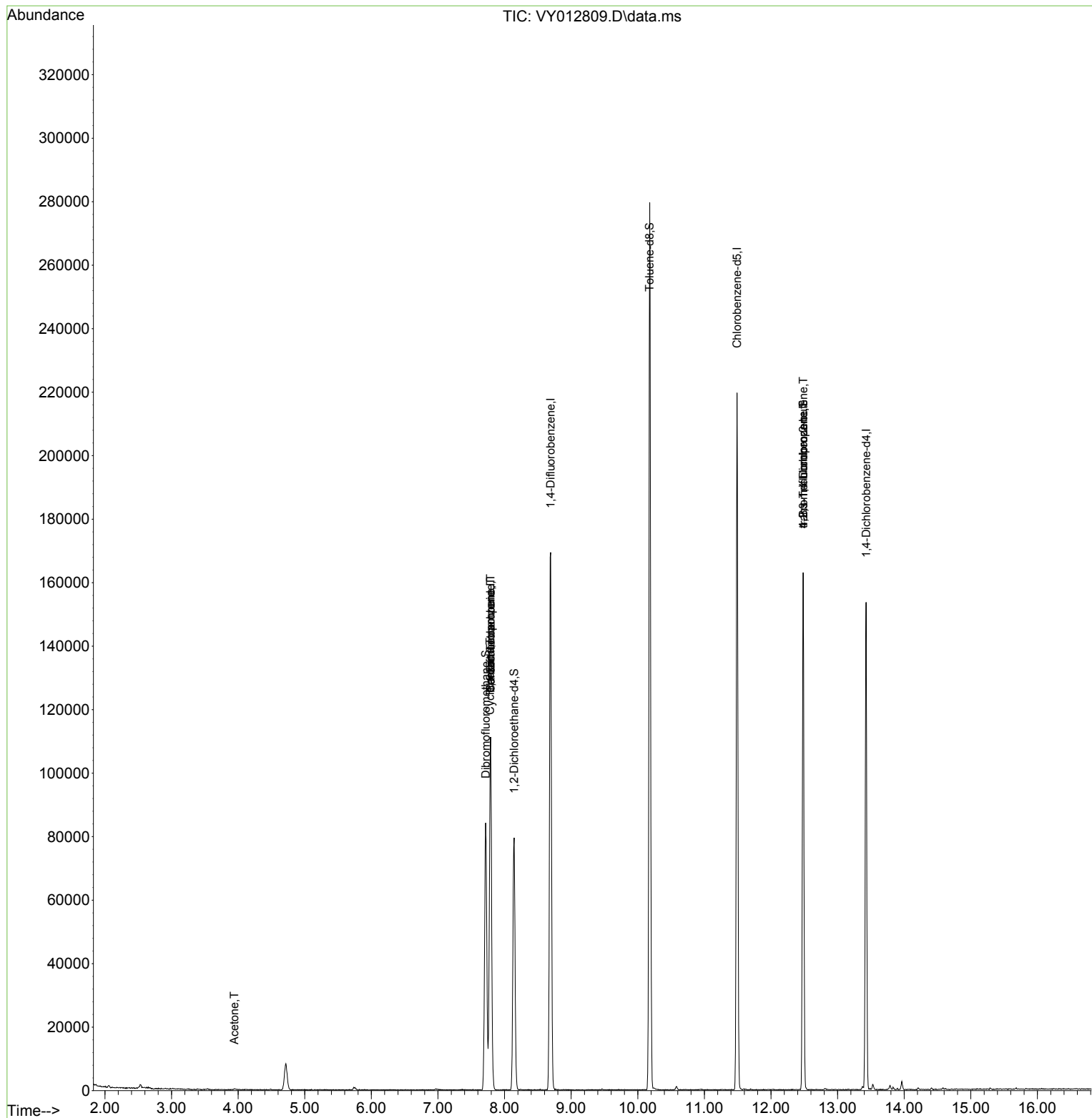
Internal Standards						
1) Pentafluorobenzene	7.789	168	87878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	145686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	116201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	38876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	62124	71.201	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	142.400%
35) Dibromofluoromethane	7.716	113	57560	65.468	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	130.940%
50) Toluene-d8	10.179	98	179996	56.000	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.000%
62) 4-Bromofluorobenzene	12.483	95	46046	42.443	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	84.880%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	19	Below Cal	#	74
16) Acetone	3.942	43	414	1.209	ug/l	99
31) Cyclohexane	7.783	56	1828	1.094	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	6757	4.586	ug/l #	49
38) Carbon Tetrachloride	7.789	117	8414	5.530	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	24466	52.701	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	24466	109.198	ug/l #	13

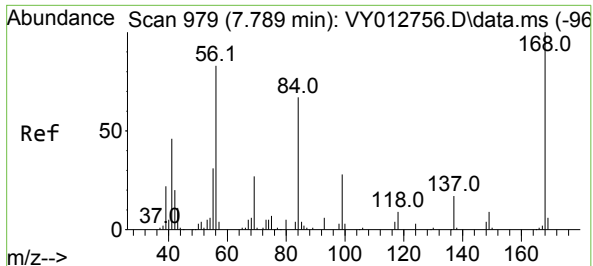
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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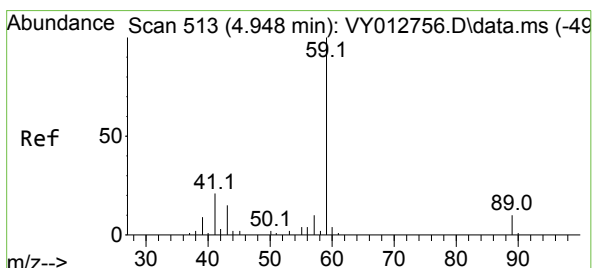
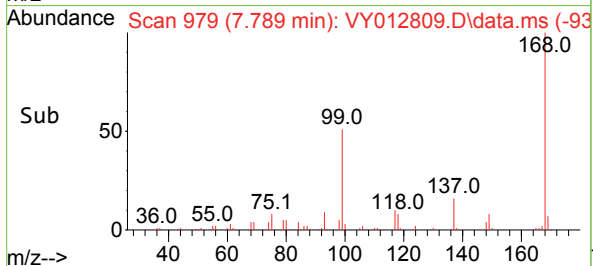
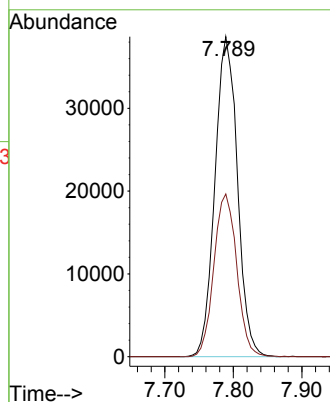
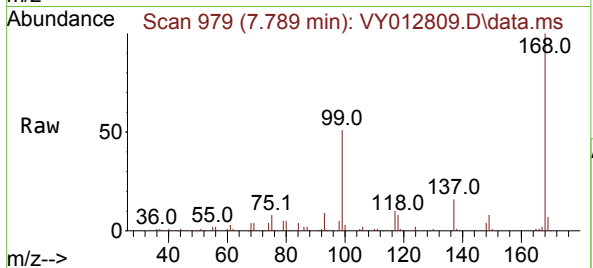




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012809.D
Acq: 03 Mar 2023 20:13

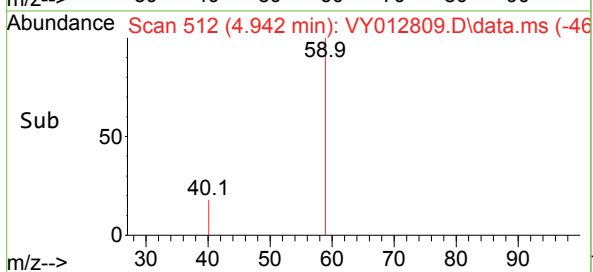
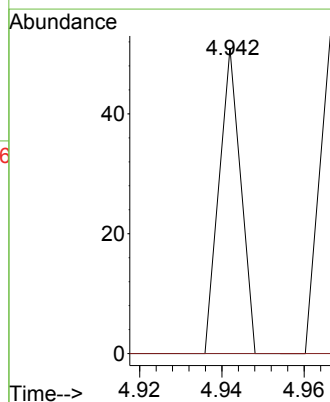
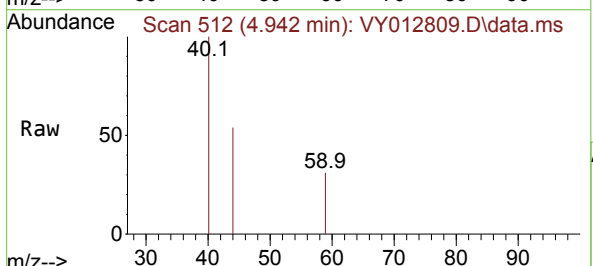
Instrument :
MSVOA_Y
ClientSampleId :
CF-17

Tgt Ion:168 Resp: 87878
Ion Ratio Lower Upper
168 100
99 50.8 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: VY012809.D
Acq: 03 Mar 2023 20:13

Tgt Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 1.209 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY012809.D

Acq: 03 Mar 2023 20:13

Instrument :

MSVOA_Y

ClientSampleId :

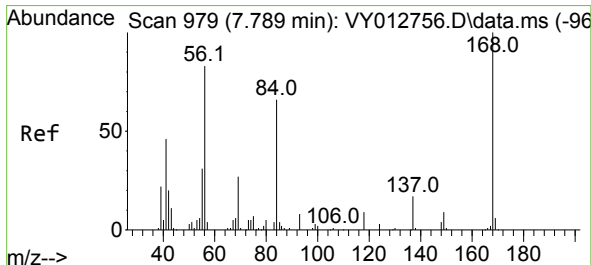
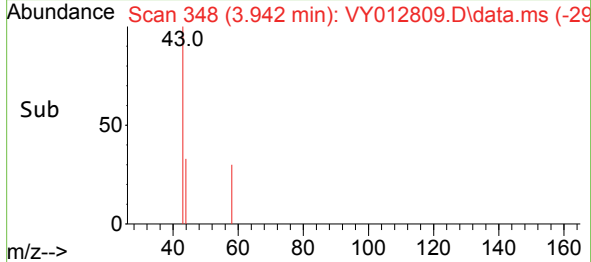
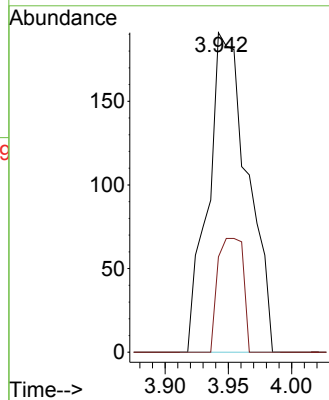
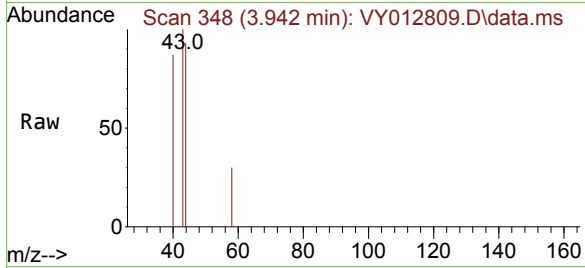
CF-17

Tgt Ion: 43 Resp: 414

Ion Ratio Lower Upper

43 100

58 29.8 24.2 36.2



#31

Cyclohexane

Concen: 1.094 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY012809.D

Acq: 03 Mar 2023 20:13

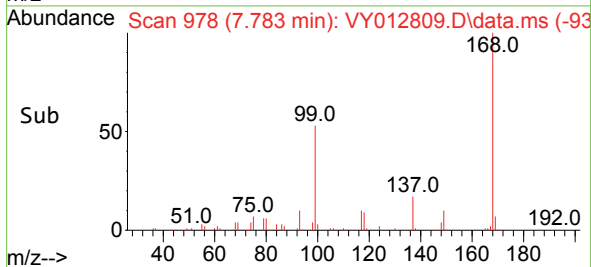
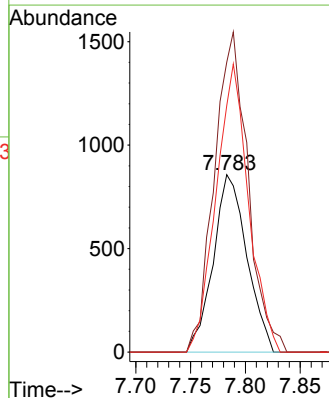
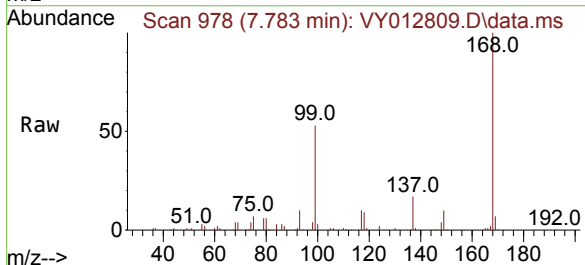
Tgt Ion: 56 Resp: 1828

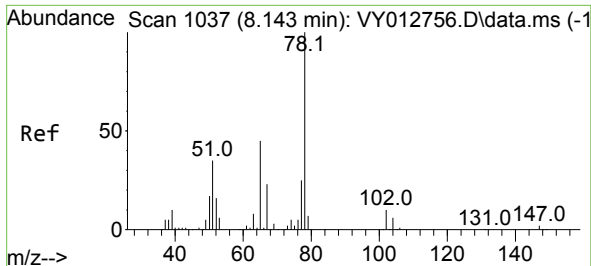
Ion Ratio Lower Upper

56 100

69 163.5 25.7 38.5#

84 139.0 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 71.201 ug/l

RT: 8.143 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY012809.D

Acq: 03 Mar 2023 20:13

Instrument :

MSVOA_Y

ClientSampleId :

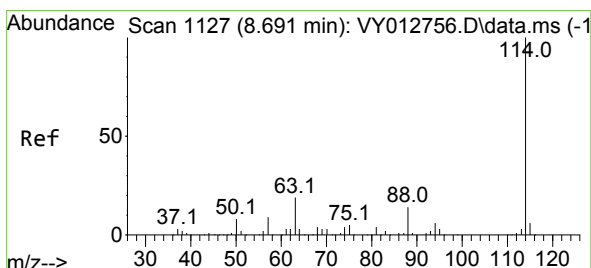
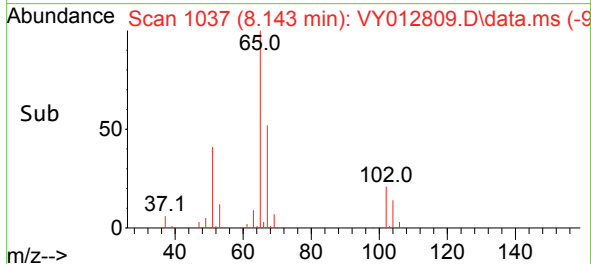
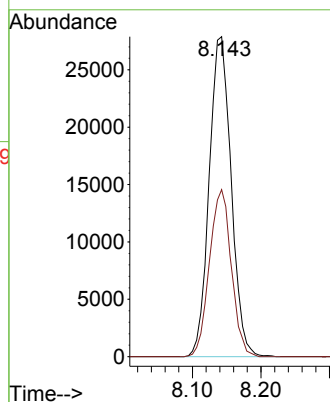
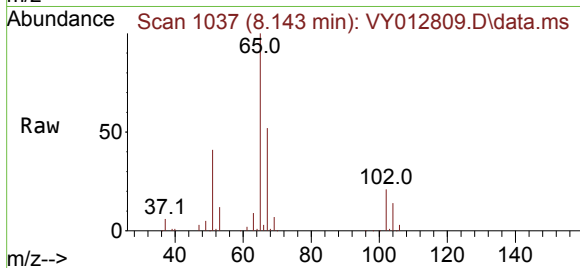
CF-17

Tgt Ion: 65 Resp: 62124

Ion Ratio Lower Upper

65 100

67 51.9 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: VY012809.D

Acq: 03 Mar 2023 20:13

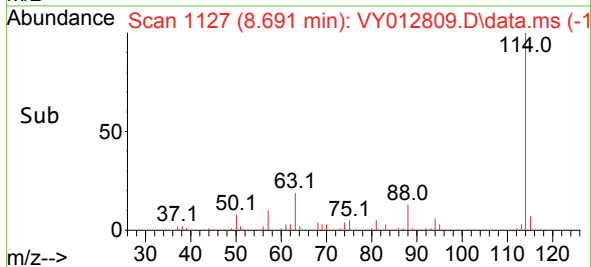
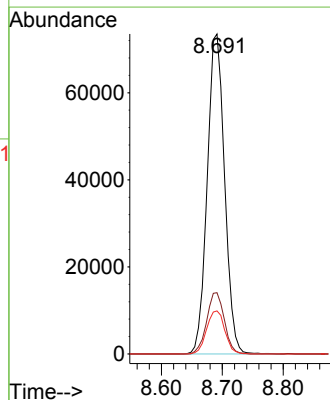
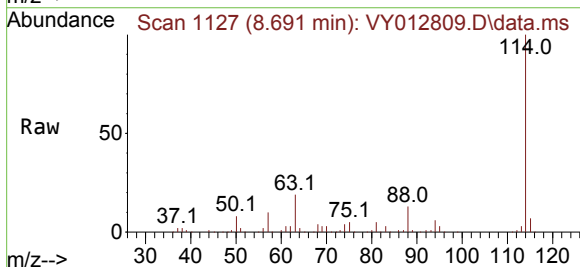
Tgt Ion: 114 Resp: 145686

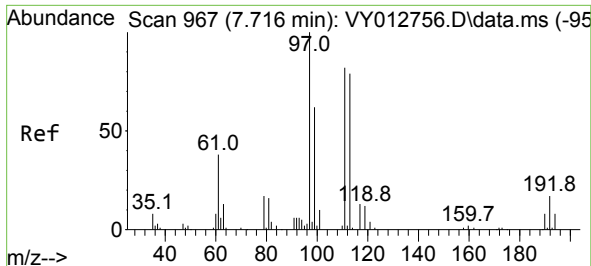
Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

88 13.5 0.0 28.6

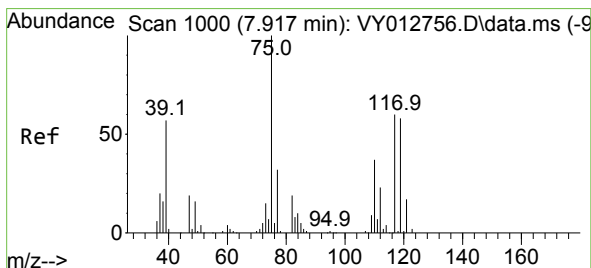
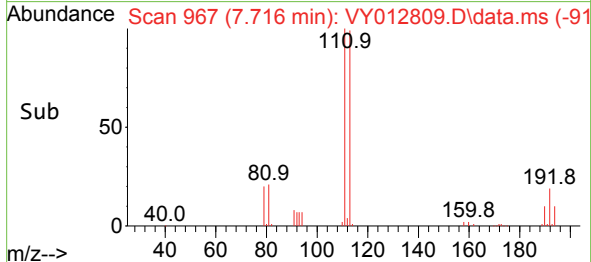
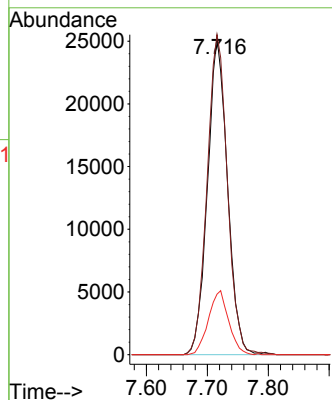
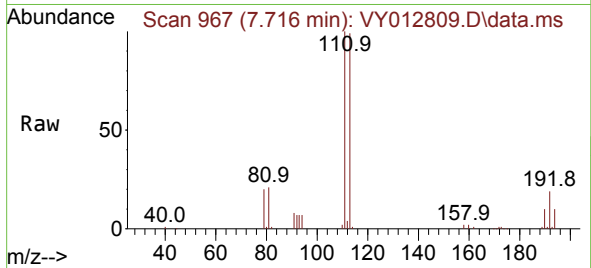




#35
Dibromofluoromethane
Concen: 65.468 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY012809.D
Acq: 03 Mar 2023 20:13

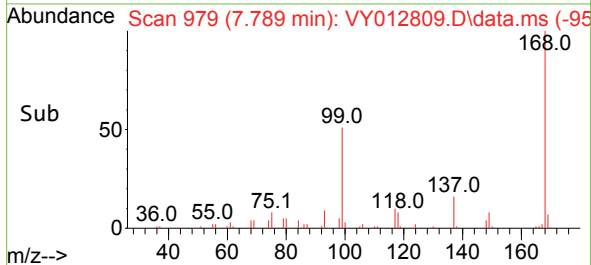
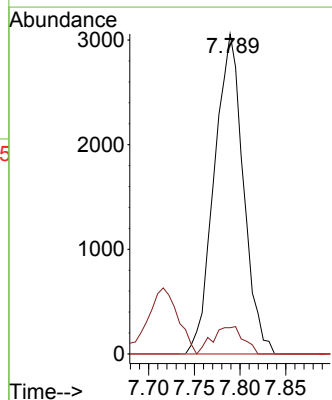
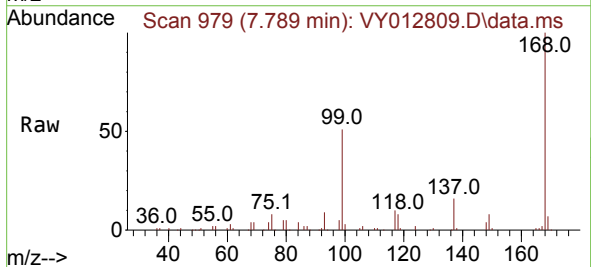
Instrument :
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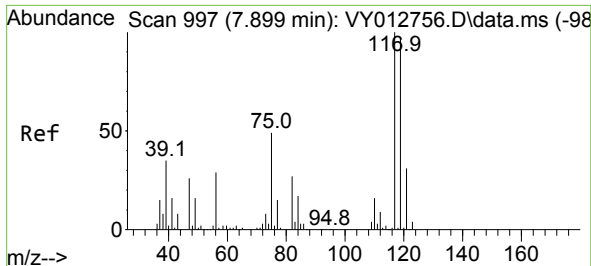
Tgt Ion:113 Resp: 57560
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 20.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.586 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012809.D
Acq: 03 Mar 2023 20:13

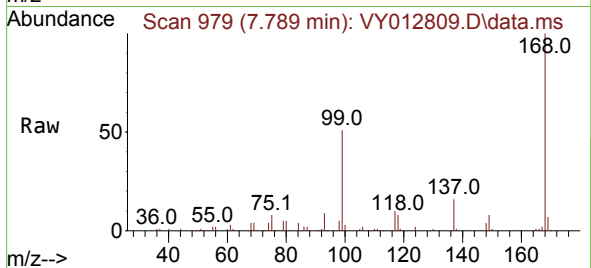
Tgt Ion: 75 Resp: 6757
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.3#
77 0.0 25.0 37.4#



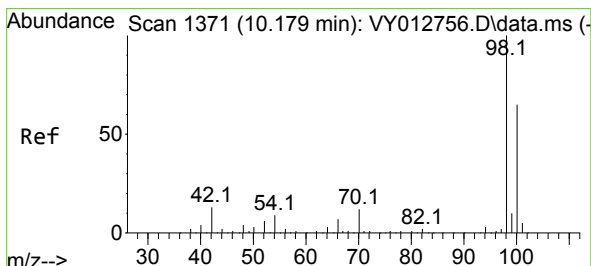
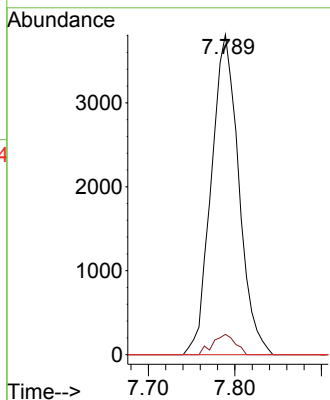
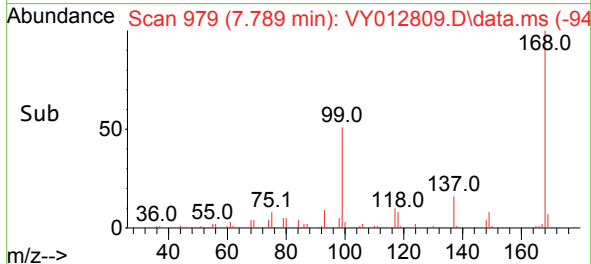


#38
Carbon Tetrachloride
Concen: 5.530 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012809.D
Acq: 03 Mar 2023 20:13

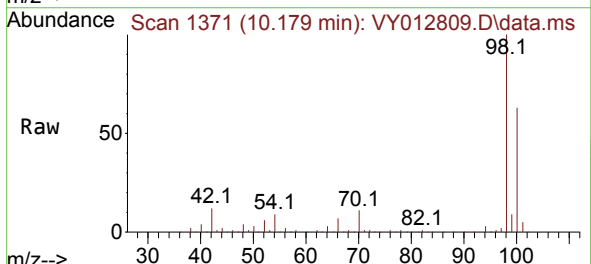
Instrument :
MSVOA_Y
ClientSampleId :
CF-17



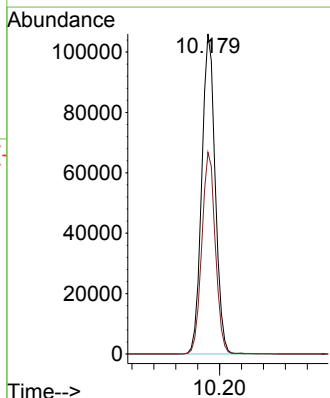
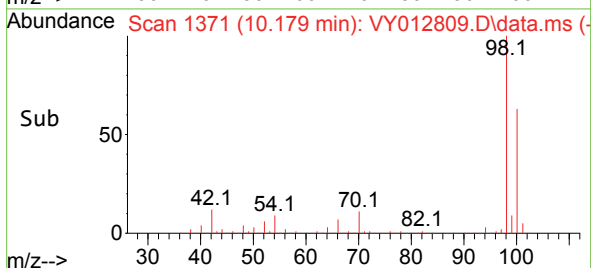
Tgt Ion:117 Resp: 8414
Ion Ratio Lower Upper
117 100
119 6.4 77.2 115.8#
121 0.0 24.7 37.1#

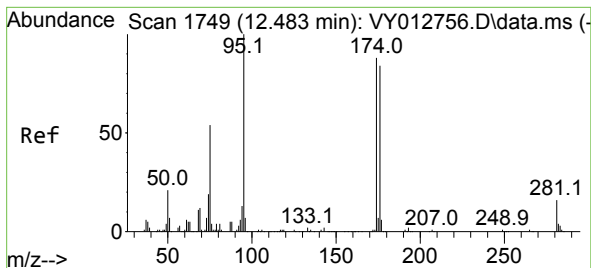


#50
Toluene-d8
Concen: 56.000 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012809.D
Acq: 03 Mar 2023 20:13



Tgt Ion: 98 Resp: 179996
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3

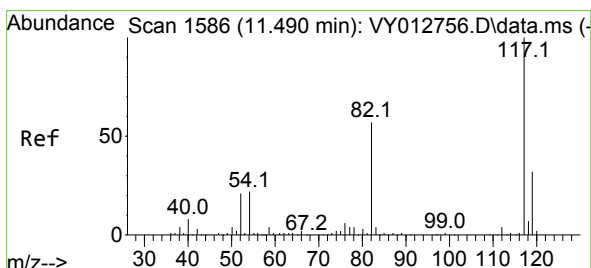
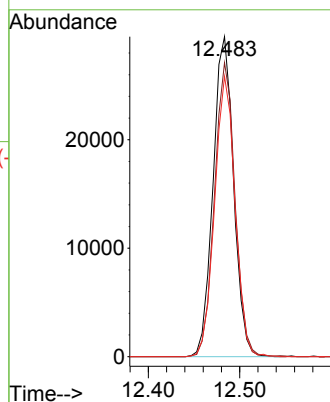
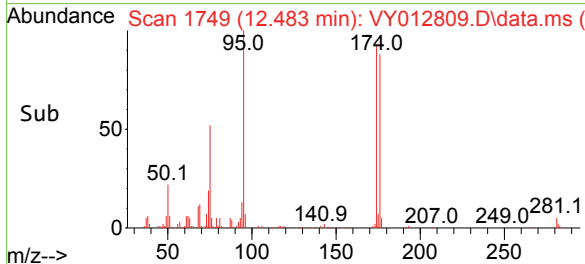
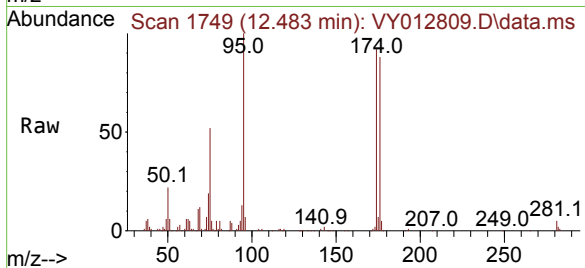




#62
4-Bromofluorobenzene
Concen: 42.443 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012809.D
Acq: 03 Mar 2023 20:13

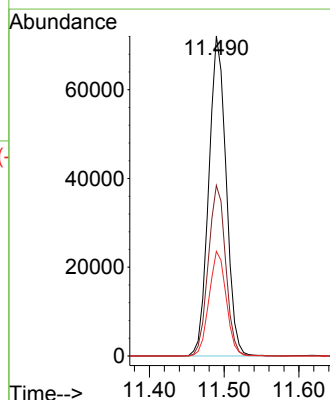
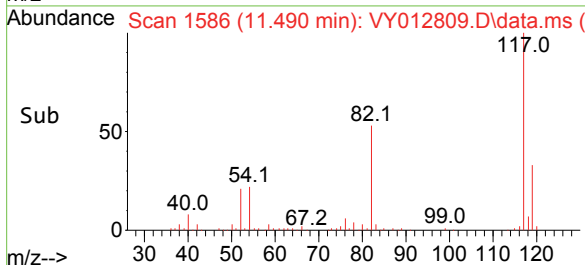
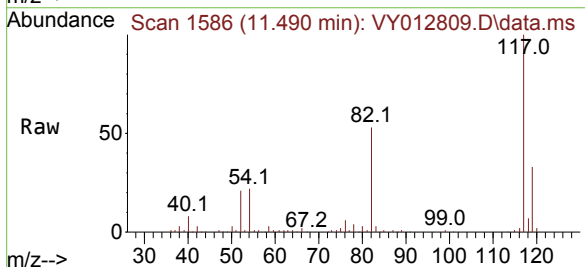
Instrument :
MSVOA_Y
ClientSampleId :
CF-17

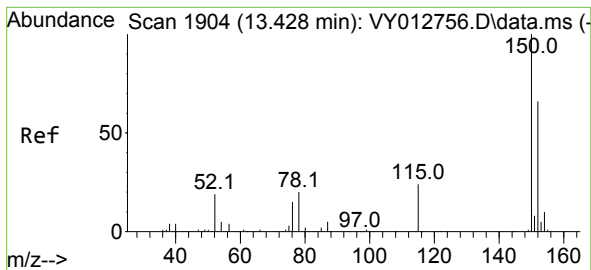
Tgt Ion: 95 Resp: 46046
Ion Ratio Lower Upper
95 100
174 91.9 0.0 176.6
176 87.3 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012809.D
Acq: 03 Mar 2023 20:13

Tgt Ion: 117 Resp: 116201
Ion Ratio Lower Upper
117 100
82 53.3 45.4 68.0
119 32.7 25.6 38.4

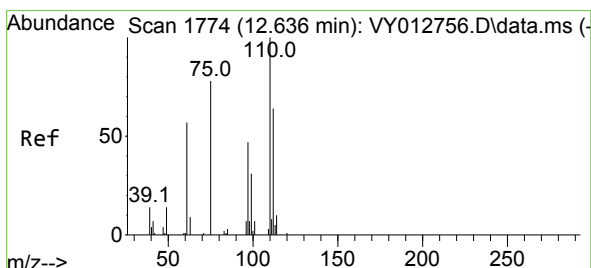
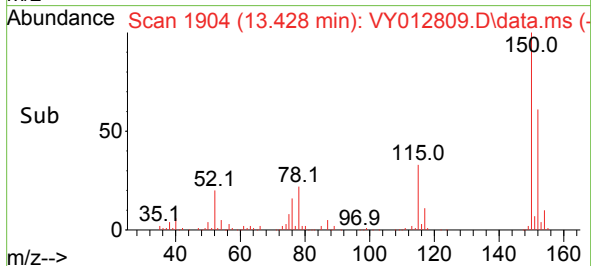
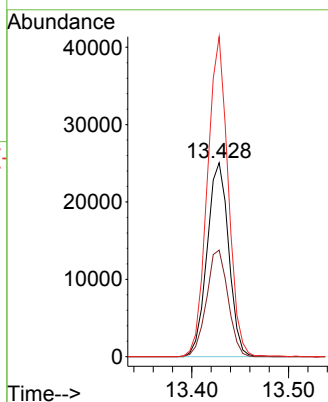
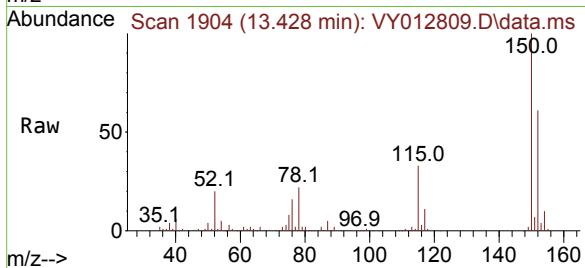




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012809.D
 Acq: 03 Mar 2023 20:13

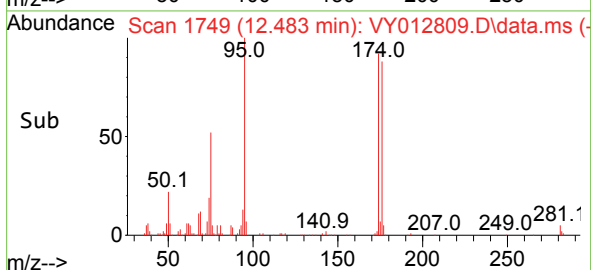
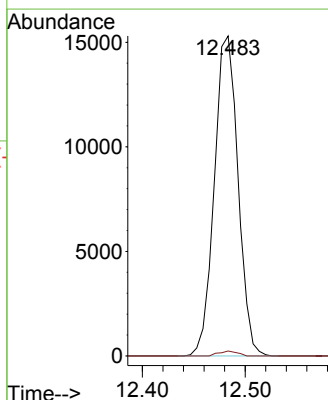
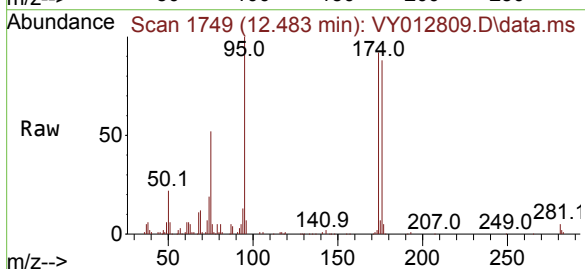
Instrument :
 MSVOA_Y
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 CF-17

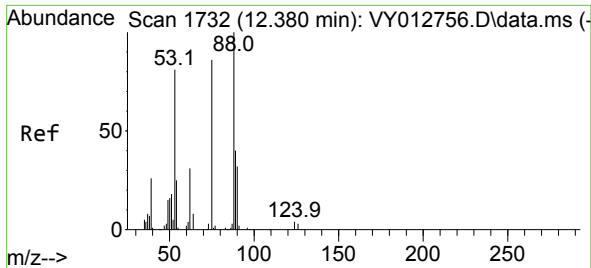
Tgt Ion:152 Resp: 38876
 Ion Ratio Lower Upper
 152 100
 115 54.8 27.1 81.3
 150 158.3 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 52.701 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012809.D
 Acq: 03 Mar 2023 20:13

Tgt Ion: 75 Resp: 24466
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.198 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012809.D
 Acq: 03 Mar 2023 20:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 CF-17

Tgt Ion: 75 Resp: 24466
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 36.6 55.0#

