

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031423\
 Data File : VY012936.D
 Acq On : 14 Mar 2023 12:39
 Operator : KP/MD
 Sample : 01749-17
 Misc : 6.73g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CF-19

Quant Time: Mar 15 01:41:36 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)

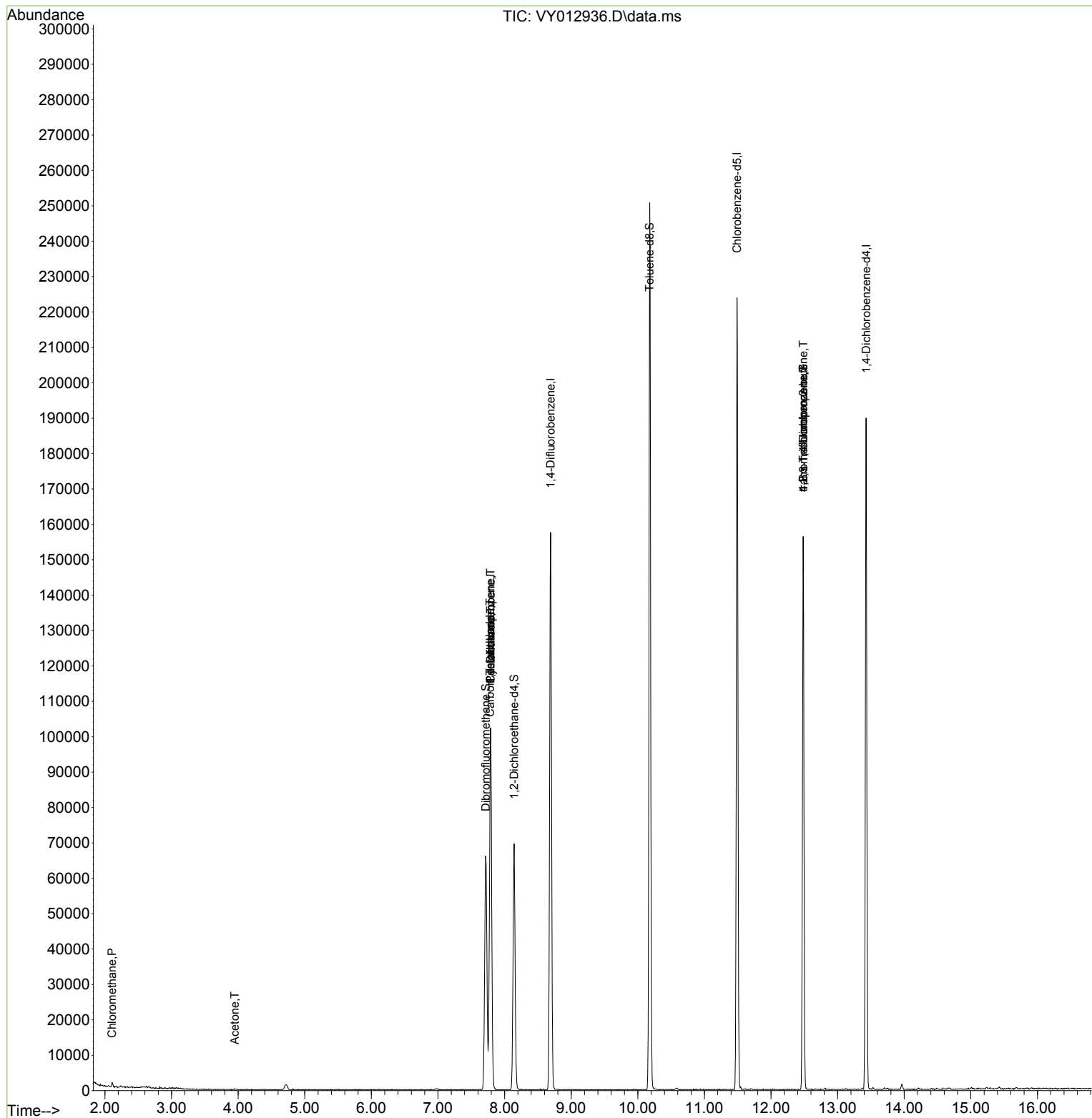
Internal Standards						
1) Pentafluorobenzene	7.789	168	80861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	134865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	119936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	48206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	52743	65.695	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.400%
35) Dibromofluoromethane	7.716	113	46597	57.251	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.500%
50) Toluene-d8	10.179	98	161491	54.274	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.540%
62) 4-Bromofluorobenzene	12.483	95	44566	44.375	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.760%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	1002	1.052	ug/l #	75
16) Acetone	3.948	43	361	1.146	ug/l #	44
20) Methylene Chloride	4.710	84	610	Below Cal	#	89
31) Cyclohexane	7.789	56	1702	1.107	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	5875	4.307	ug/l #	49
38) Carbon Tetrachloride	7.783	117	7867	5.585	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	23615	41.023	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	23615	85.000	ug/l #	13

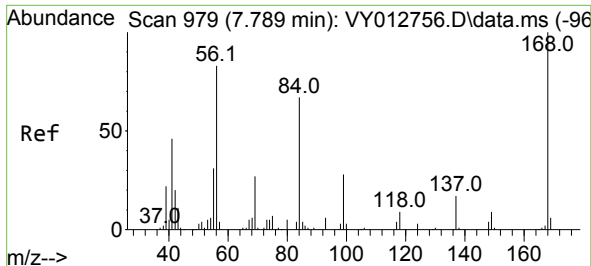
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

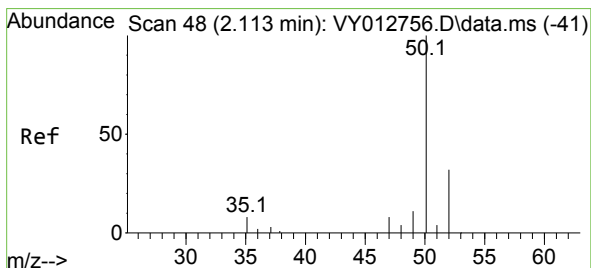
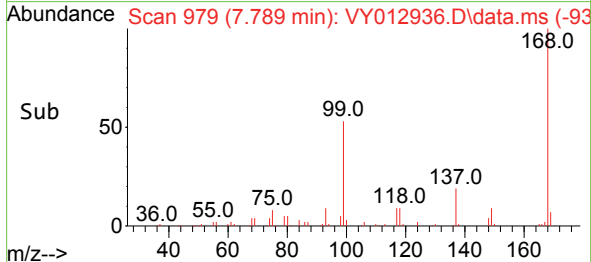
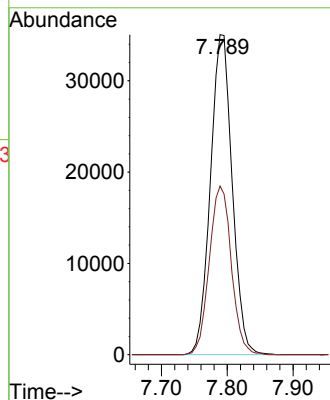
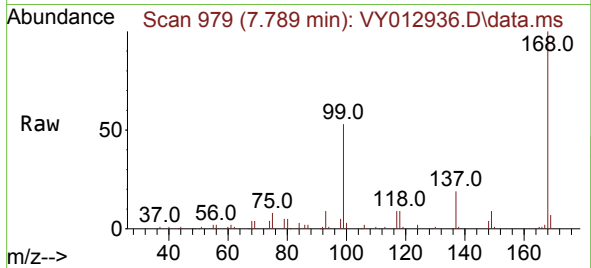




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012936.D
Acq: 14 Mar 2023 12:39

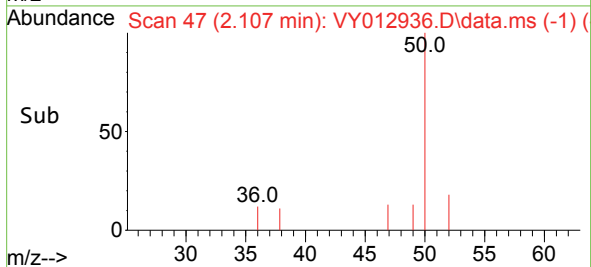
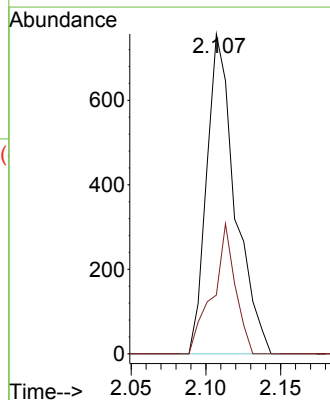
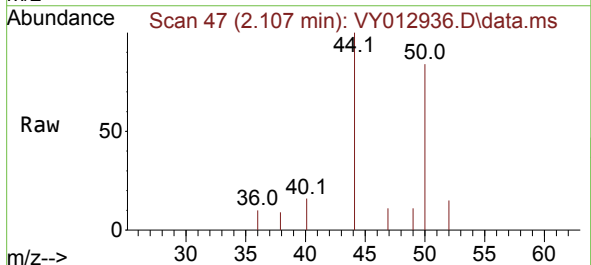
Instrument :
MSVOA_Y
ClientSampleId :
CF-19

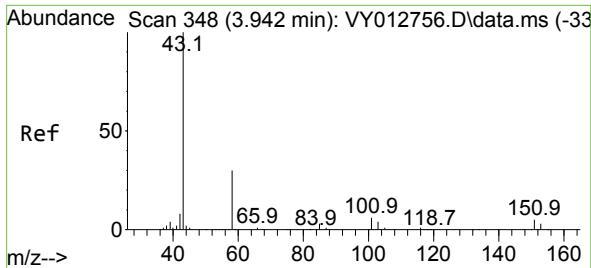
Tgt Ion:168 Resp: 80861
Ion Ratio Lower Upper
168 100
99 52.7 41.7 62.5



#3
Chloromethane
Concen: 1.052 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY012936.D
Acq: 14 Mar 2023 12:39

Tgt Ion: 50 Resp: 1002
Ion Ratio Lower Upper
50 100
52 18.4 26.0 39.0#





#16

Acetone

Concen: 1.146 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012936.D

Acq: 14 Mar 2023 12:39

Instrument :

MSVOA_Y

ClientSampleId :

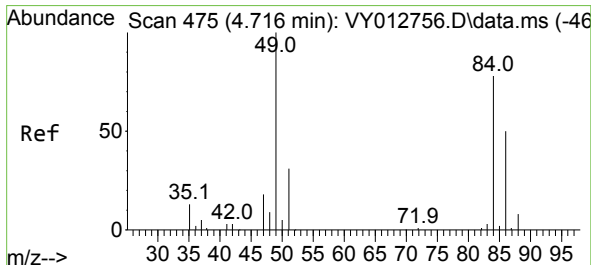
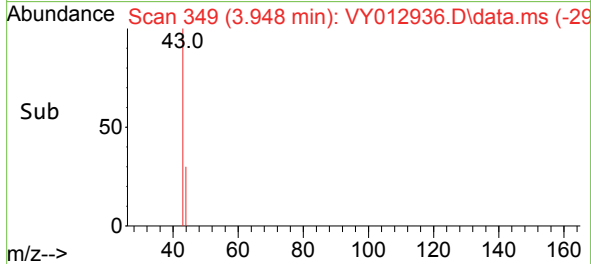
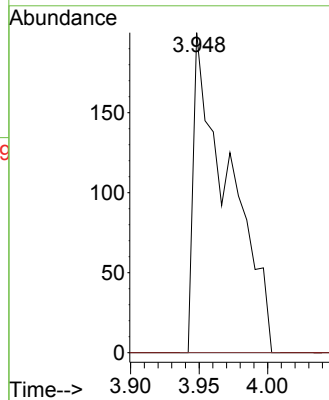
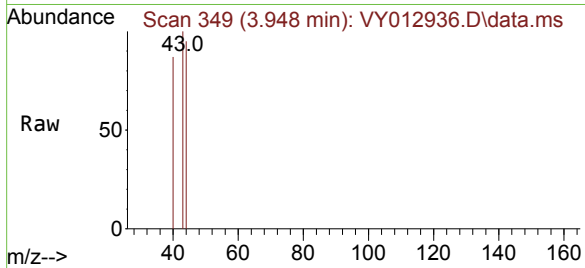
CF-19

Tgt Ion: 43 Resp: 361

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY012936.D

Acq: 14 Mar 2023 12:39

Tgt Ion: 84 Resp: 610

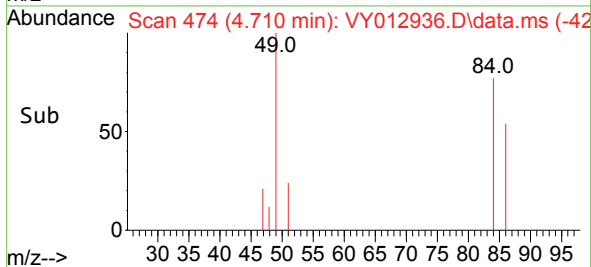
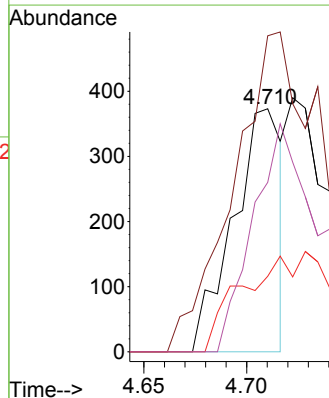
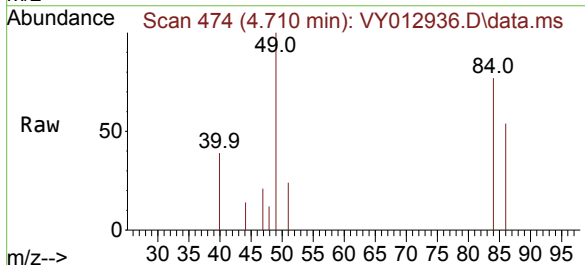
Ion Ratio Lower Upper

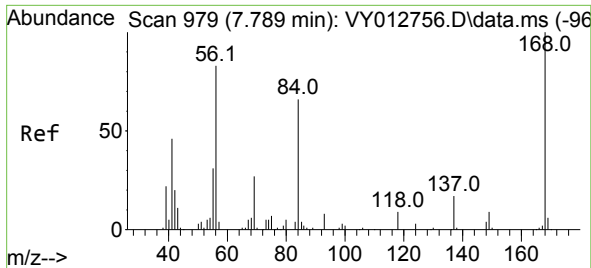
84 100

49 115.5 102.6 154.0

51 31.1 31.9 47.9#

86 69.7 51.0 76.6

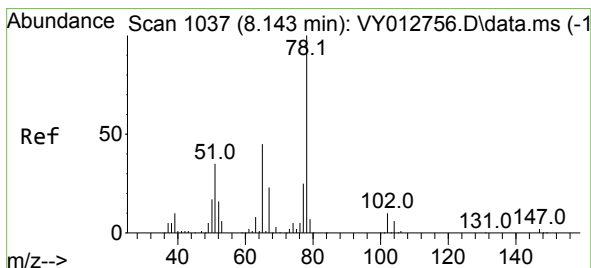
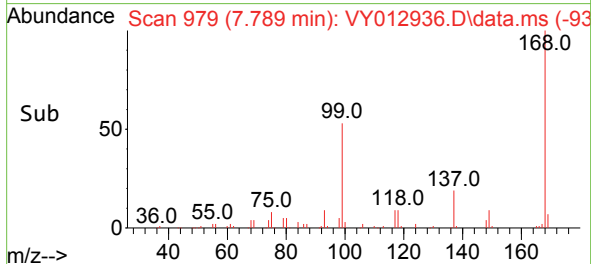
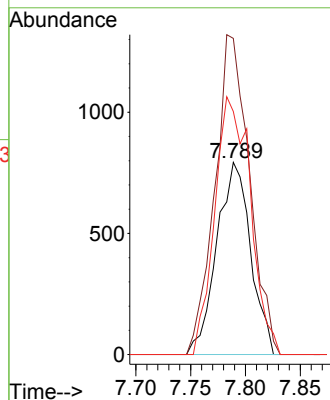
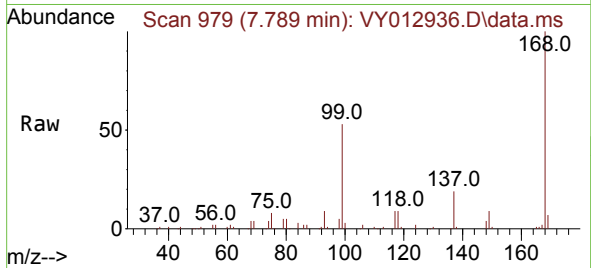




#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012936.D
Acq: 14 Mar 2023 12:39

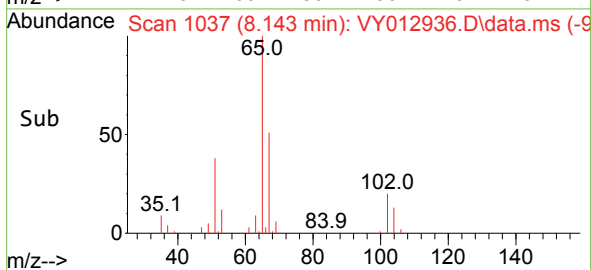
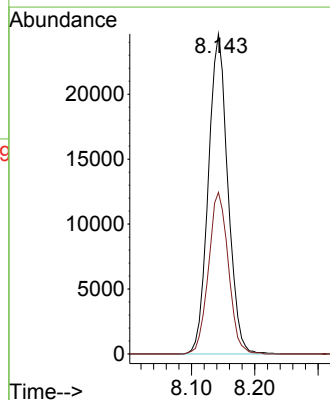
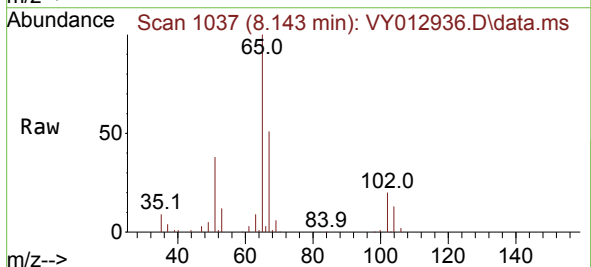
Instrument :
MSVOA_Y
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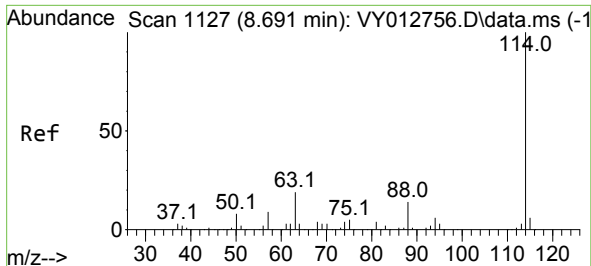
Tgt Ion: 56 Resp: 1702
Ion Ratio Lower Upper
56 100
69 164.6 25.7 38.5#
84 126.5 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 65.695 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012936.D
Acq: 14 Mar 2023 12:39

Tgt Ion: 65 Resp: 52743
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.0

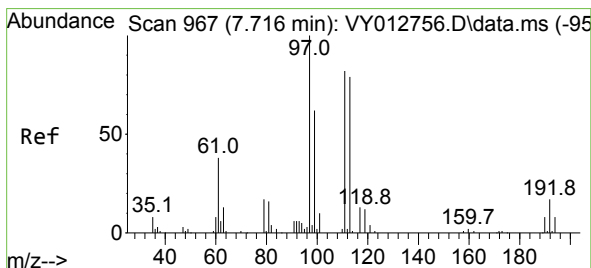
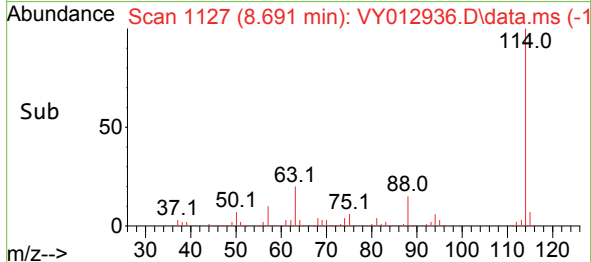
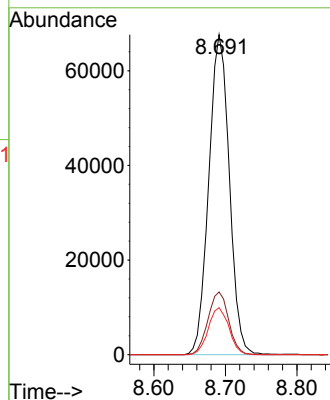
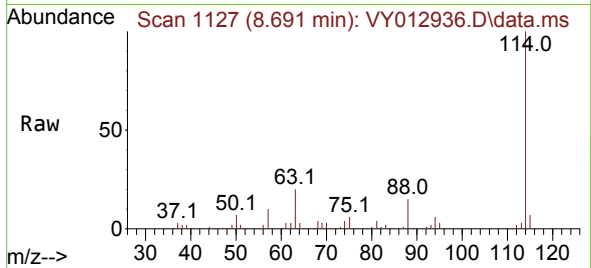




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY012936.D
Acq: 14 Mar 2023 12:39

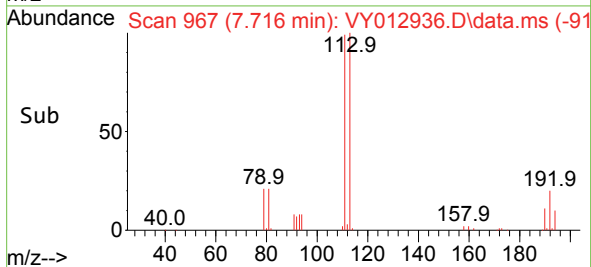
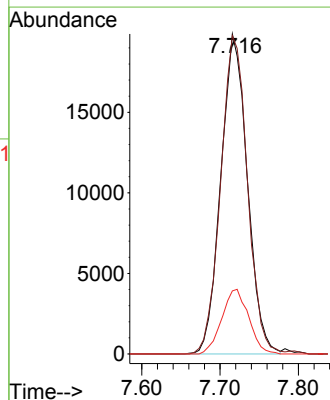
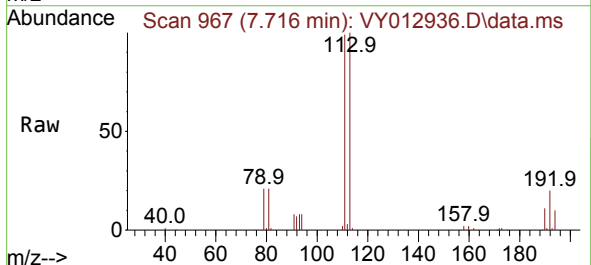
Instrument :
MSVOA_Y
ClientSampleId :
CF-19

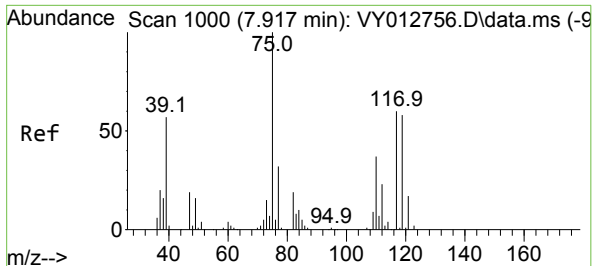
Tgt Ion:114 Resp: 134865
Ion Ratio Lower Upper
114 100
63 19.6 0.0 37.4
88 14.7 0.0 28.6



#35
Dibromofluoromethane
Concen: 57.251 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012936.D
Acq: 14 Mar 2023 12:39

Tgt Ion:113 Resp: 46597
Ion Ratio Lower Upper
113 100
111 100.5 82.2 123.2
192 20.5 16.8 25.2

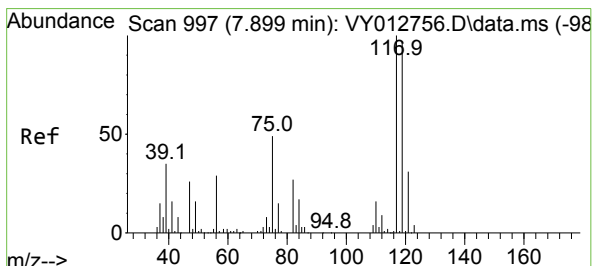
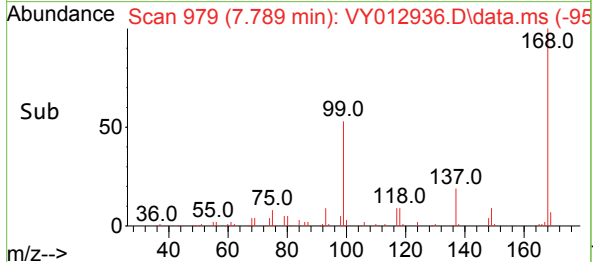
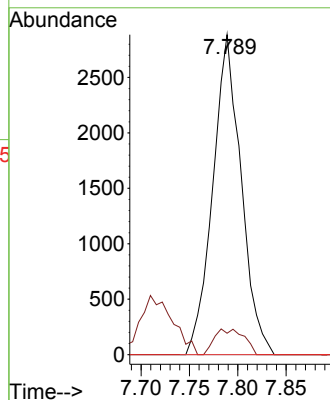
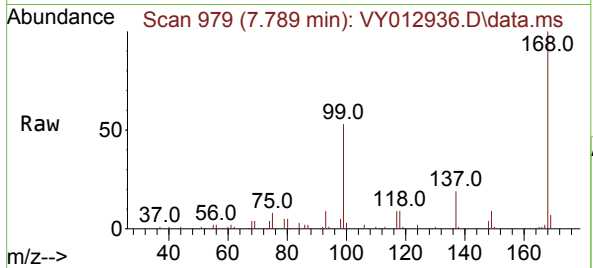




#36
1,1-Dichloropropene
Concen: 4.307 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY012936.D
Acq: 14 Mar 2023 12:39

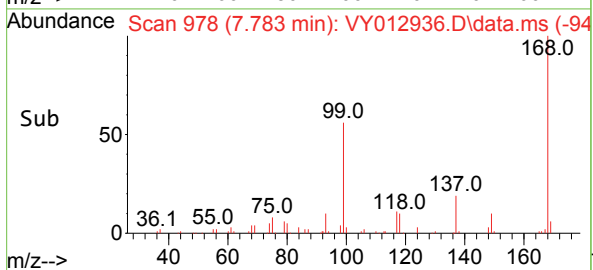
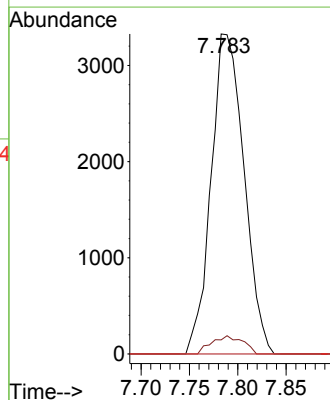
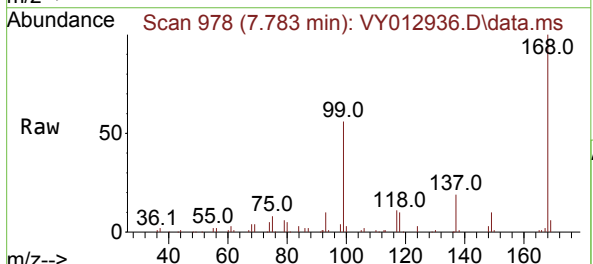
Instrument :
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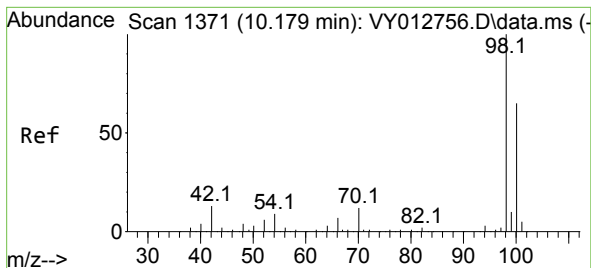
Tgt Ion: 75 Resp: 5875
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.585 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY012936.D
Acq: 14 Mar 2023 12:39

Tgt Ion: 117 Resp: 7867
Ion Ratio Lower Upper
117 100
119 4.4 77.2 115.8#
121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 54.274 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012936.D

Acq: 14 Mar 2023 12:39

Instrument :

MSVOA_Y

ClientSampleId :

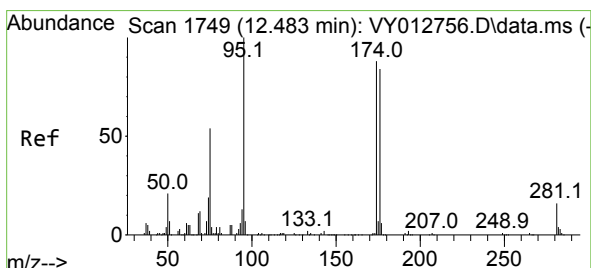
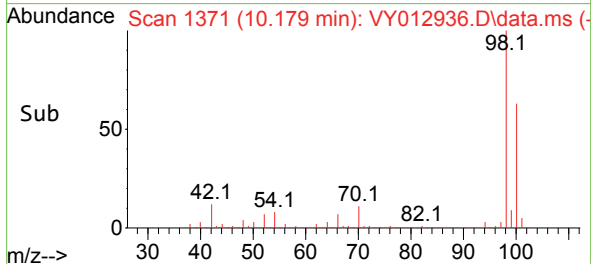
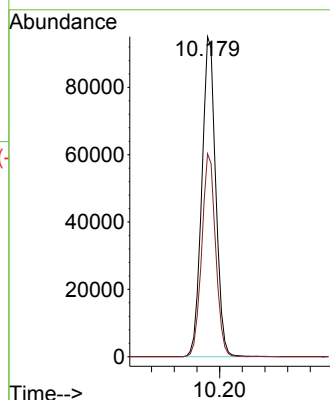
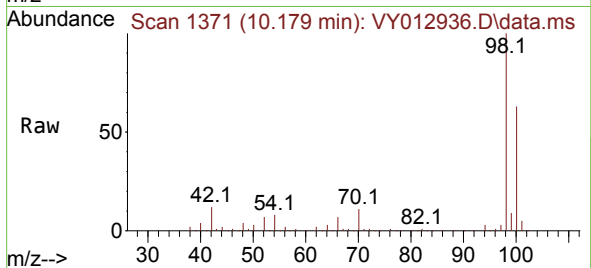
CF-19

Tgt Ion: 98 Resp: 161491

Ion Ratio Lower Upper

98 100

100 63.3 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 44.375 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY012936.D

Acq: 14 Mar 2023 12:39

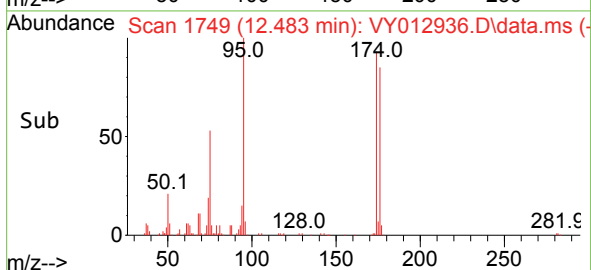
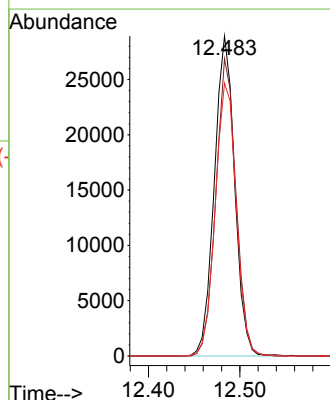
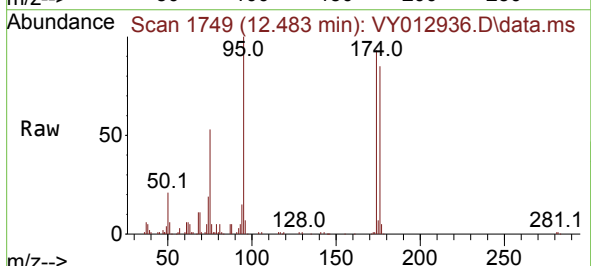
Tgt Ion: 95 Resp: 44566

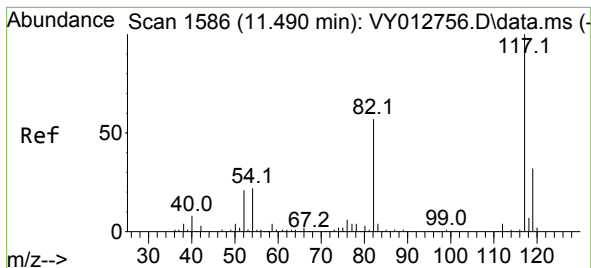
Ion Ratio Lower Upper

95 100

174 92.6 0.0 176.6

176 88.3 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012936.D

Acq: 14 Mar 2023 12:39

Instrument :

MSVOA_Y

ClientSampleId :

CF-19

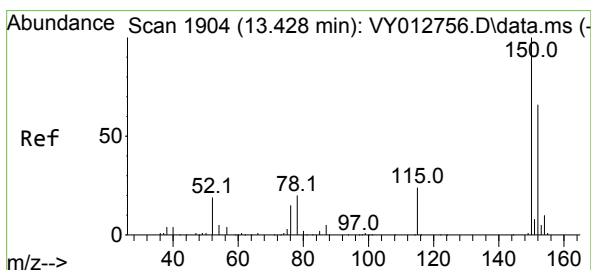
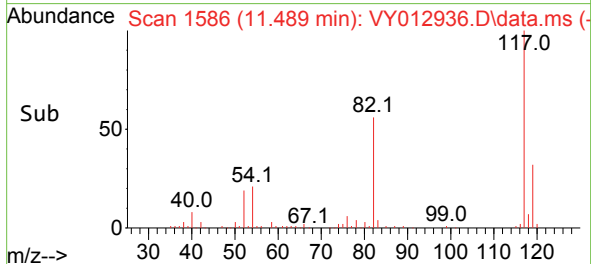
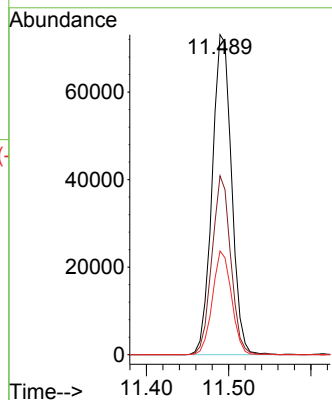
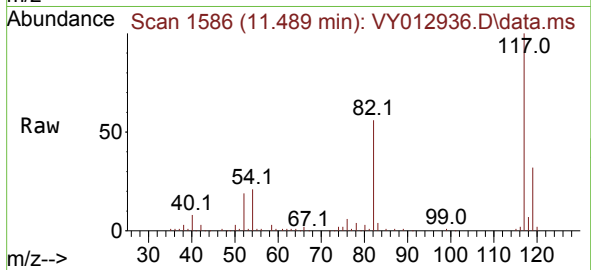
Tgt Ion:117 Resp: 119936

Ion Ratio Lower Upper

117 100

82 55.9 45.4 68.0

119 32.4 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: VY012936.D

Acq: 14 Mar 2023 12:39

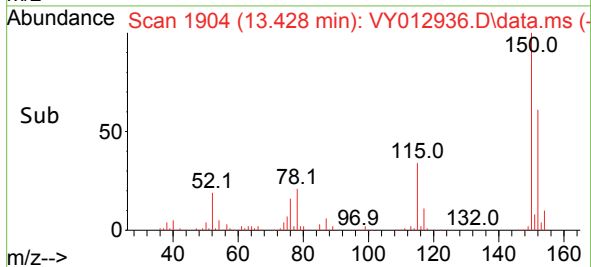
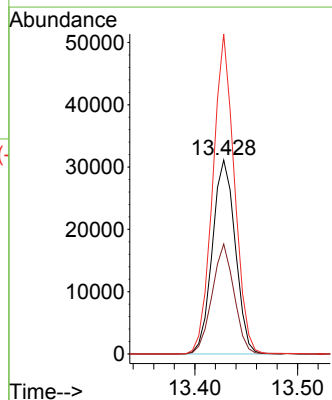
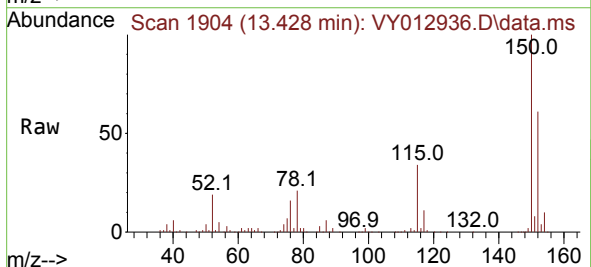
Tgt Ion:152 Resp: 48206

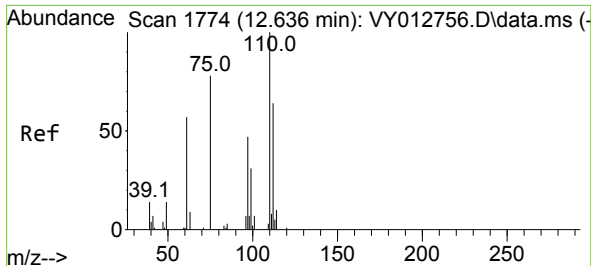
Ion Ratio Lower Upper

152 100

115 54.4 27.1 81.3

150 155.8 0.0 347.8

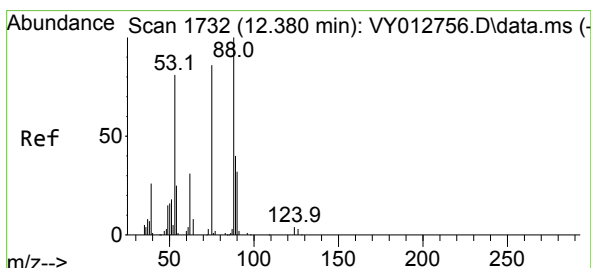
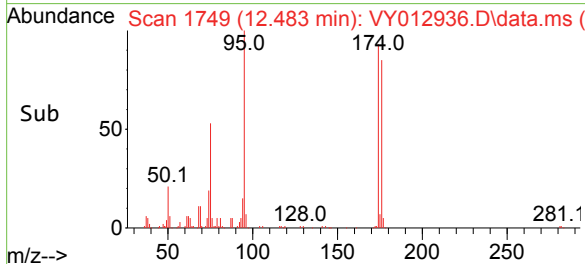
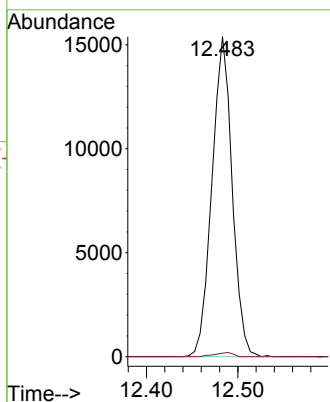
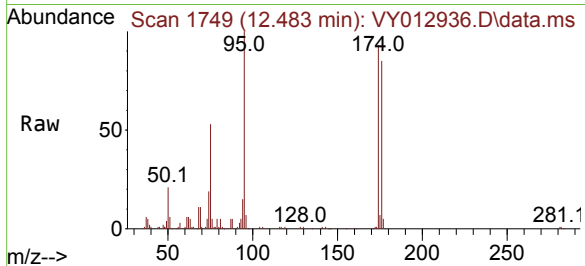




#76
1,2,3-Trichloropropane
Concen: 41.023 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012936.D
Acq: 14 Mar 2023 12:39

Instrument :
MSVOA_Y
ClientSampleId :
CF-19

Tgt Ion: 75 Resp: 23615
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.000 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012936.D
Acq: 14 Mar 2023 12:39

Tgt Ion: 75 Resp: 23615
Ion Ratio Lower Upper
75 100
53 0.1 73.4 110.0#
89 0.0 36.6 55.0#

