

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031423\
 Data File : VY012937.D
 Acq On : 14 Mar 2023 13:03
 Operator : KP/MD
 Sample : 01749-18
 Misc : 6.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CF-20

Quant Time: Mar 15 01:41:55 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)

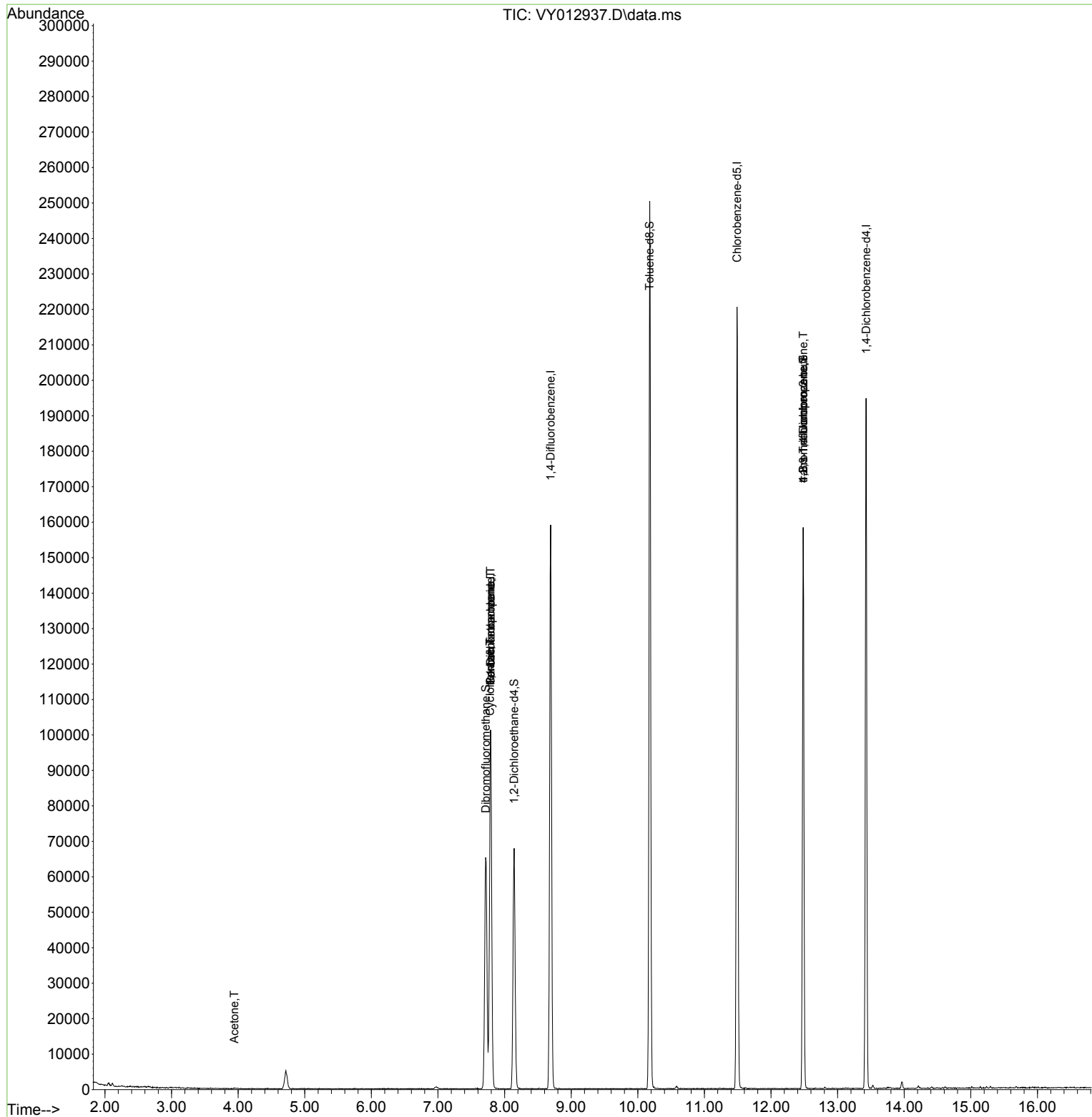
Internal Standards						
1) Pentafluorobenzene	7.789	168	79000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	134514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	120067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	50141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	51790	66.028	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.060%
35) Dibromofluoromethane	7.715	113	46532	57.320	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.640%
50) Toluene-d8	10.178	98	160303	54.015	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.040%
62) 4-Bromofluorobenzene	12.483	95	44819	44.744	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.480%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	20	Below Cal	#	74
16) Acetone	3.942	43	333	1.082	ug/l #	44
20) Methylene Chloride	4.716	84	3490	Below Cal		99
31) Cyclohexane	7.782	56	1698	1.130	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	5876	4.319	ug/l #	50
38) Carbon Tetrachloride	7.789	117	7826	5.571	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	23785	39.724	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	23785	82.308	ug/l #	13

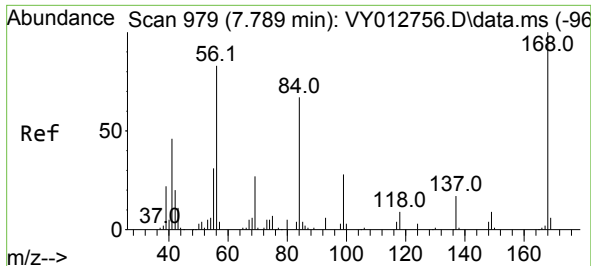
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

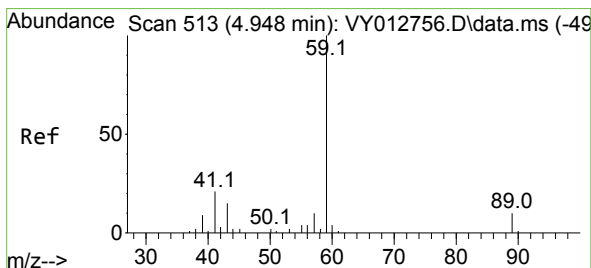
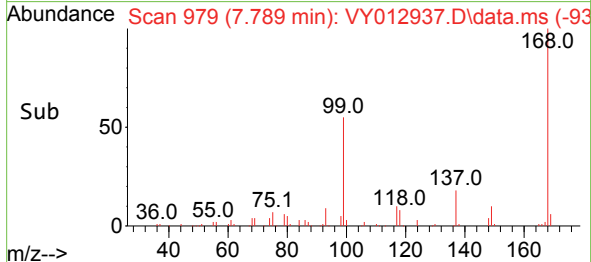
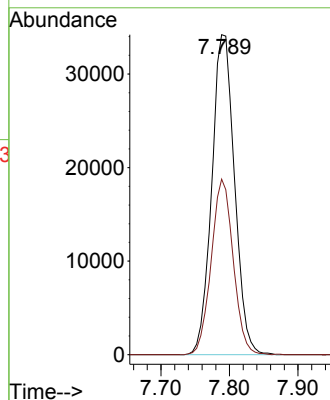
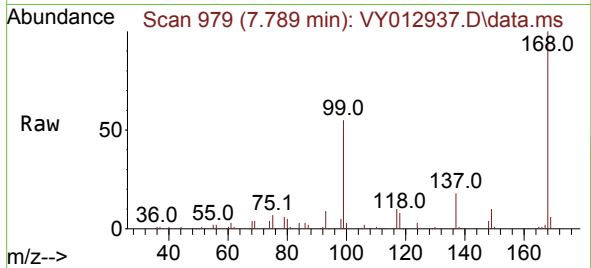




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012937.D
Acq: 14 Mar 2023 13:03

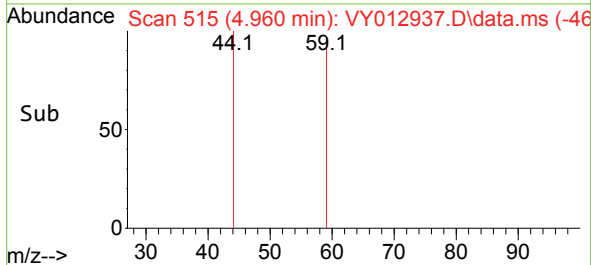
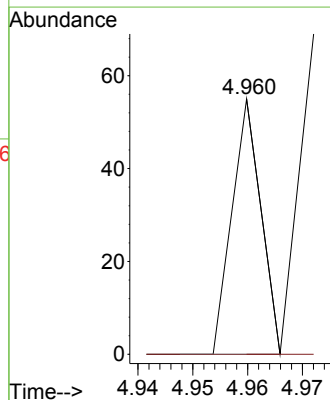
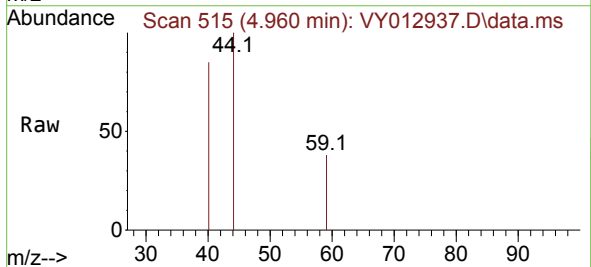
Instrument :
MSVOA_Y
ClientSampleId :
CF-20

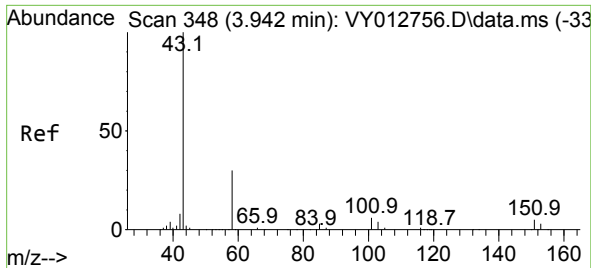
Tgt Ion:168 Resp: 79000
Ion Ratio Lower Upper
168 100
99 54.8 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY012937.D
Acq: 14 Mar 2023 13:03

Tgt Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

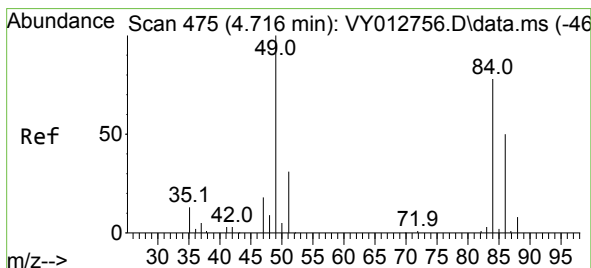
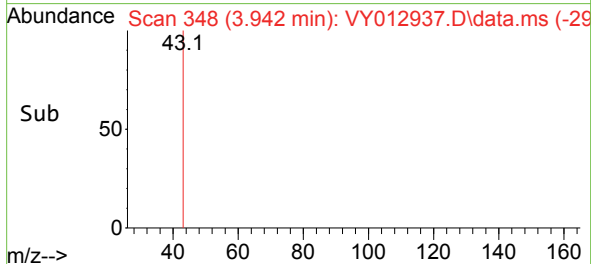
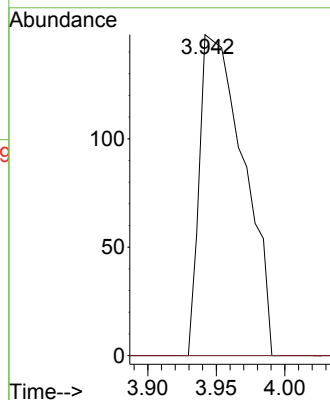
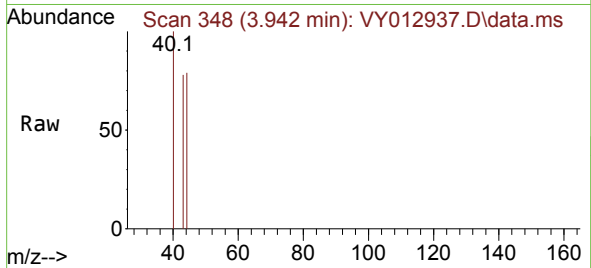




#16
Acetone
Concen: 1.082 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY012937.D
Acq: 14 Mar 2023 13:03

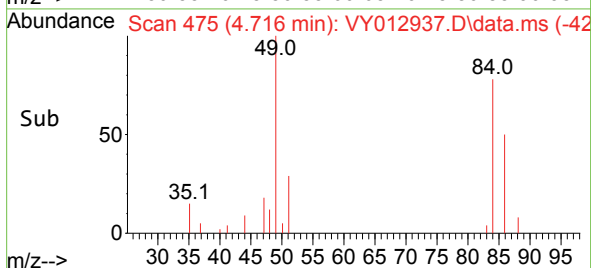
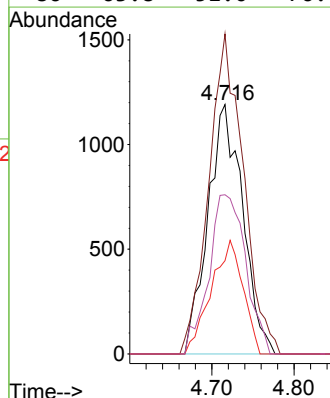
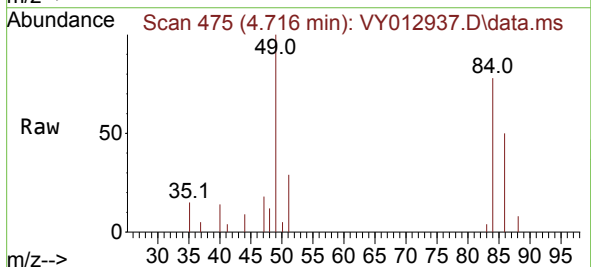
Instrument :
MSVOA_Y
ClientSampleId :
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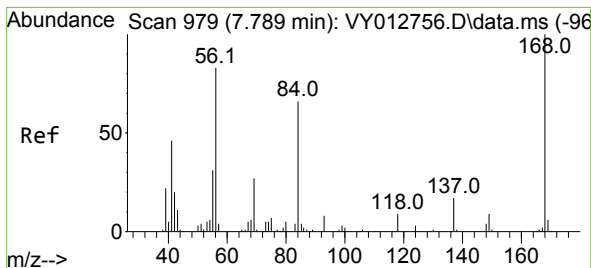
Tgt Ion: 43 Resp: 333
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY012937.D
Acq: 14 Mar 2023 13:03

Tgt Ion: 84 Resp: 3490
Ion Ratio Lower Upper
84 100
49 128.3 102.6 154.0
51 37.4 31.9 47.9
86 63.8 51.0 76.6





#31

Cyclohexane

Concen: 1.130 ug/l

RT: 7.782 min Scan# 91

Delta R.T. -0.007 min

Lab File: VY012937.D

Acq: 14 Mar 2023 13:03

Instrument :

MSVOA_Y

ClientSampleId :

CF-20

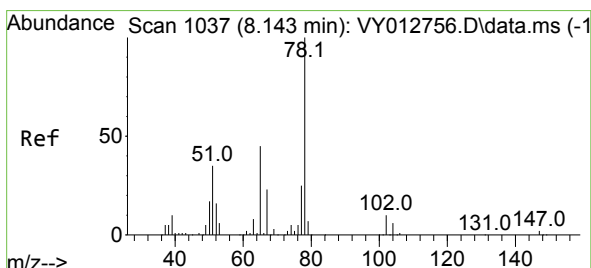
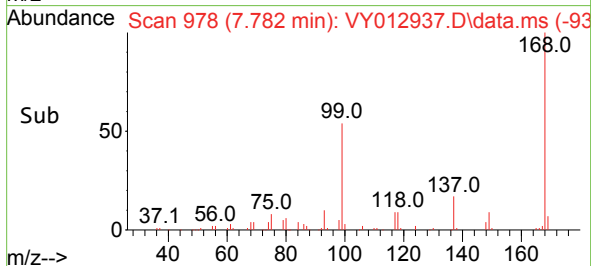
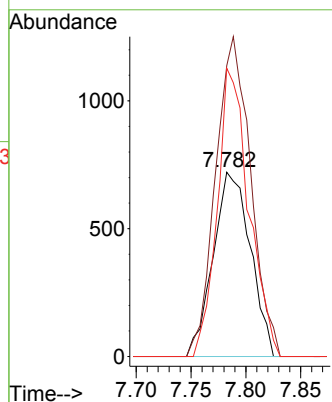
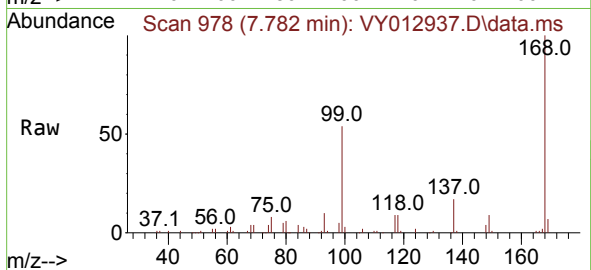
Tgt Ion: 56 Resp: 1698

Ion Ratio Lower Upper

56 100

69 157.8 25.7 38.5#

84 156.4 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 66.028 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012937.D

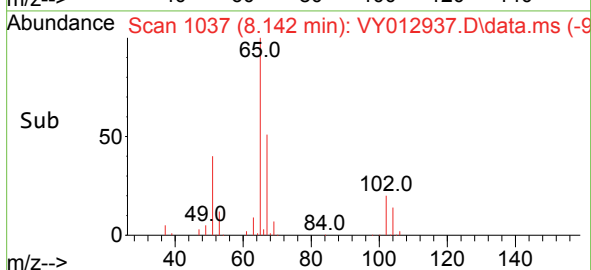
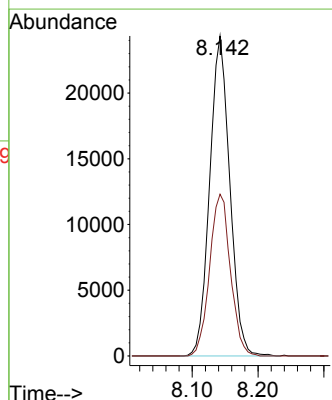
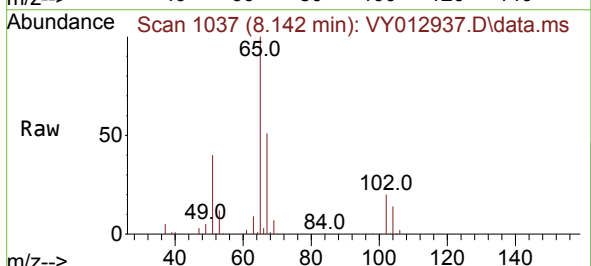
Acq: 14 Mar 2023 13:03

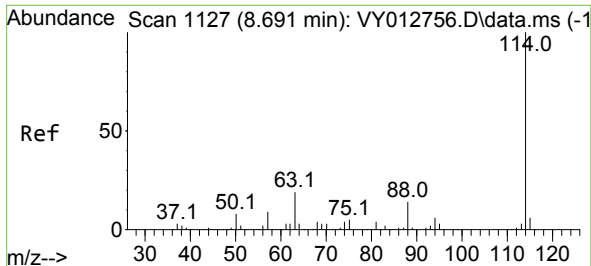
Tgt Ion: 65 Resp: 51790

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.0

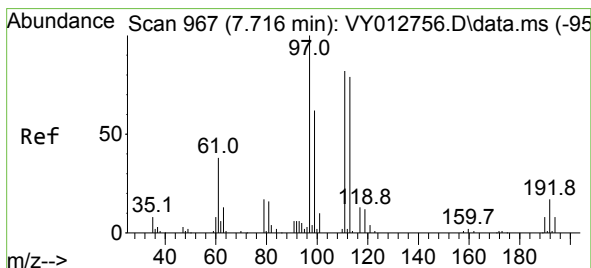
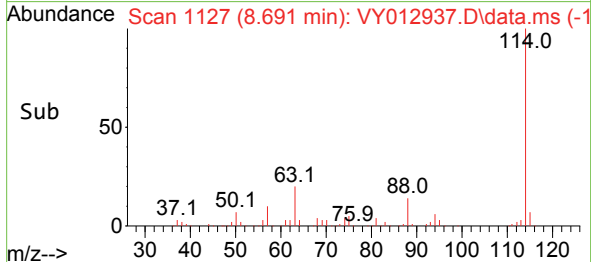
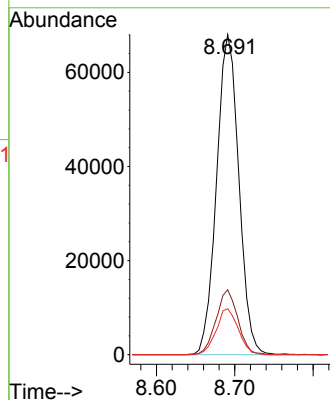
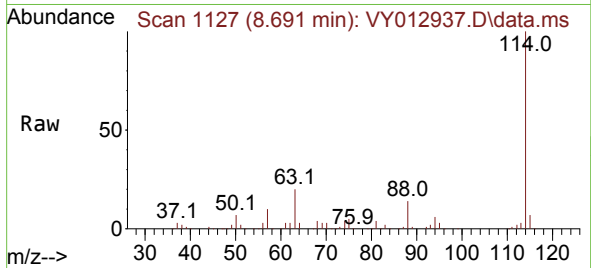




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY012937.D
Acq: 14 Mar 2023 13:03

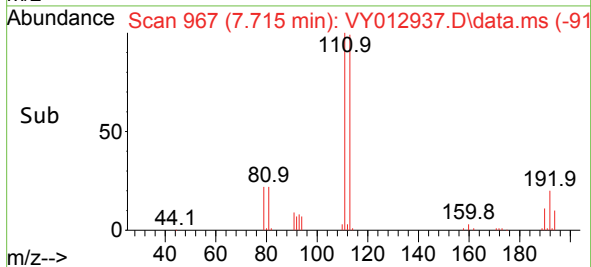
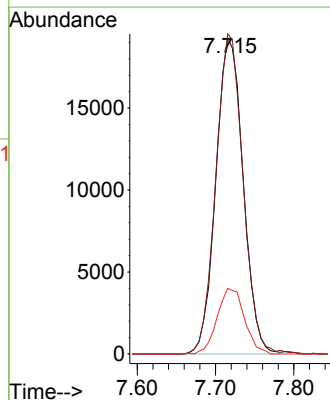
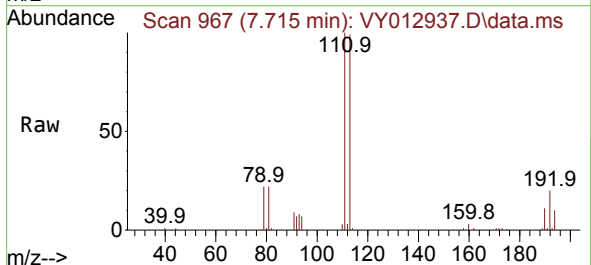
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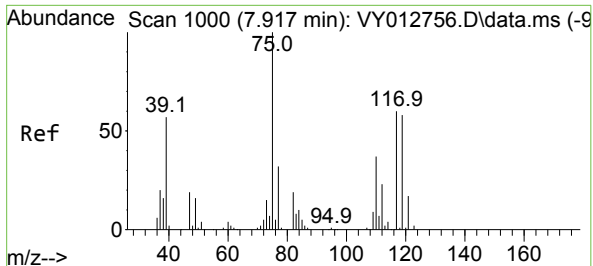
Tgt Ion:114 Resp: 134514
Ion Ratio Lower Upper
114 100
63 20.3 0.0 37.4
88 14.4 0.0 28.6



#35
Dibromofluoromethane
Concen: 57.320 ug/l
RT: 7.715 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012937.D
Acq: 14 Mar 2023 13:03

Tgt Ion:113 Resp: 46532
Ion Ratio Lower Upper
113 100
111 101.4 82.2 123.2
192 20.8 16.8 25.2

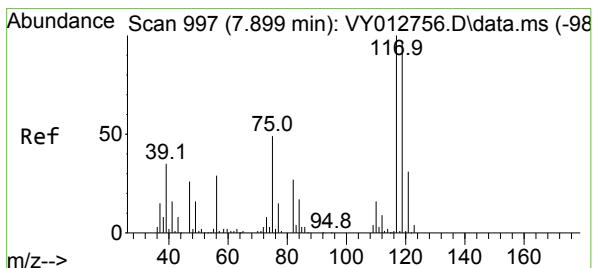
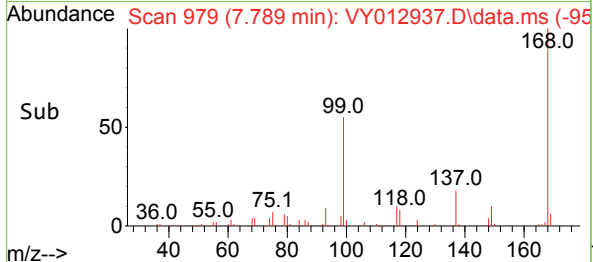
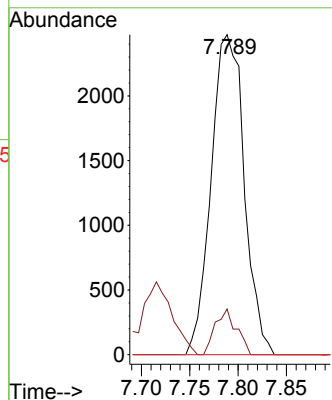
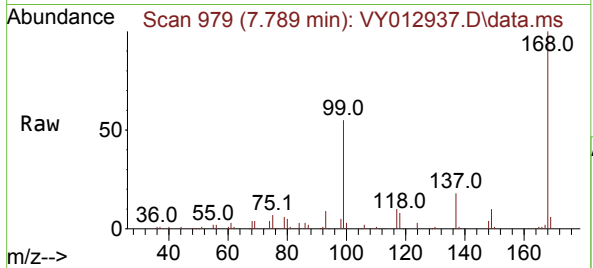




#36
1,1-Dichloropropene
Concen: 4.319 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY012937.D
Acq: 14 Mar 2023 13:03

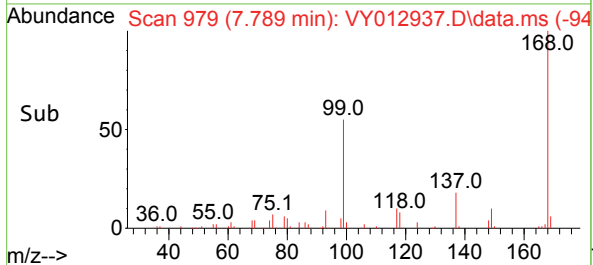
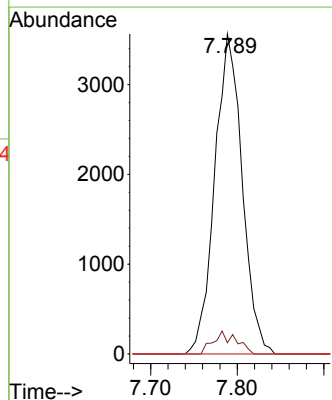
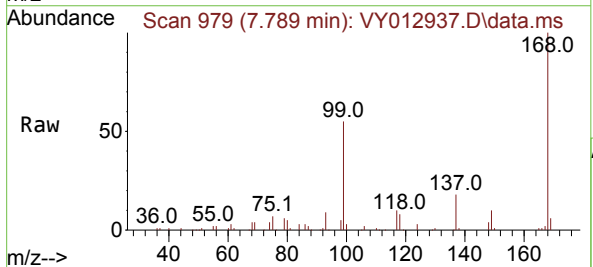
Instrument :
MSVOA_Y
ClientSampleId :
CF-20

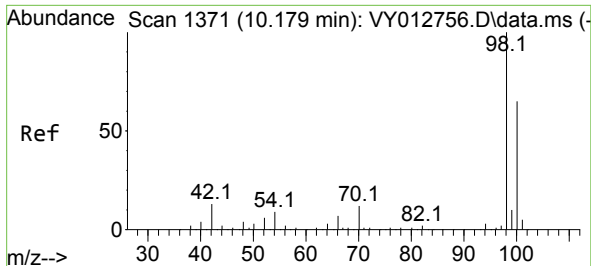
Tgt Ion: 75 Resp: 5876
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.571 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY012937.D
Acq: 14 Mar 2023 13:03

Tgt Ion: 117 Resp: 7826
Ion Ratio Lower Upper
117 100
119 3.5 77.2 115.8#
121 0.0 24.7 37.1#

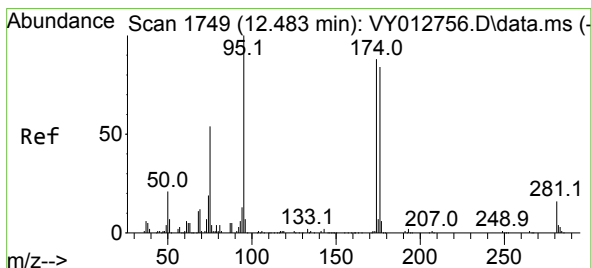
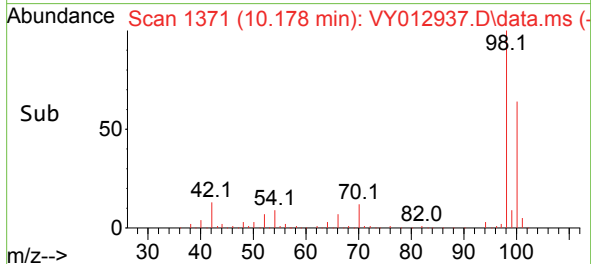
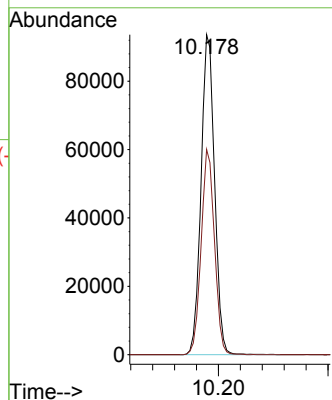
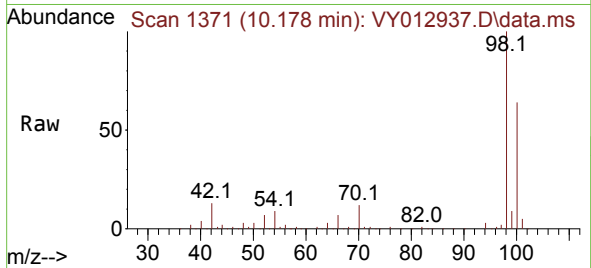




#50
Toluene-d8
Concen: 54.015 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012937.D
Acq: 14 Mar 2023 13:03

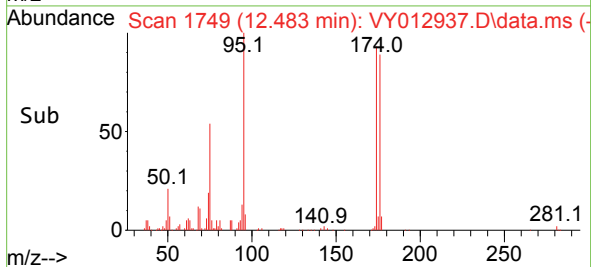
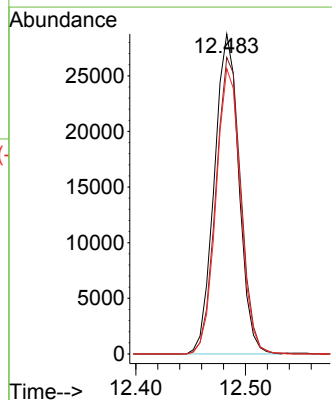
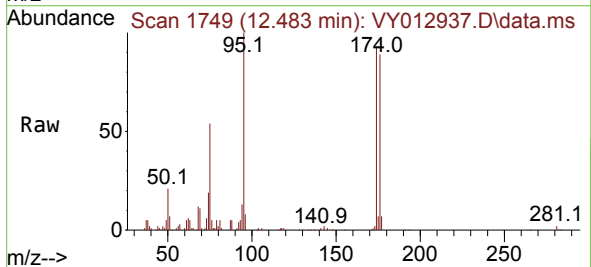
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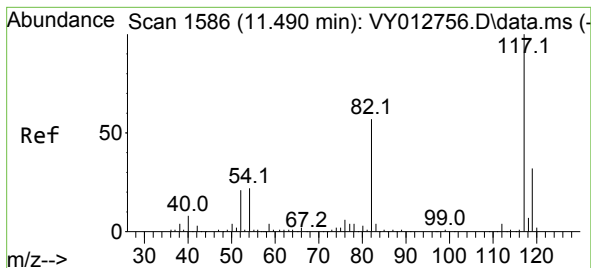
Tgt Ion: 98 Resp: 160303
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.744 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012937.D
Acq: 14 Mar 2023 13:03

Tgt Ion: 95 Resp: 44819
Ion Ratio Lower Upper
95 100
174 94.4 0.0 176.6
176 89.0 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: VY012937.D

Acq: 14 Mar 2023 13:03

Instrument :

MSVOA_Y

ClientSampleId :

CF-20

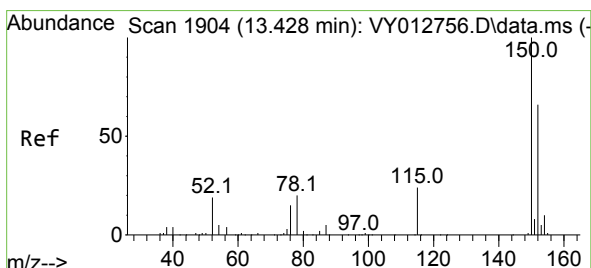
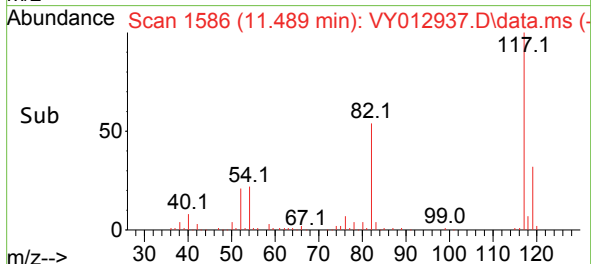
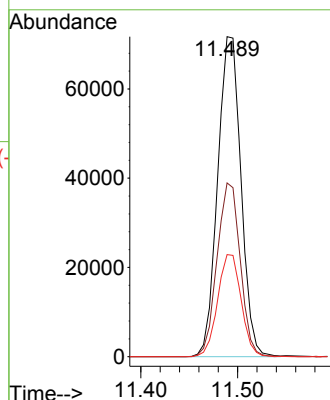
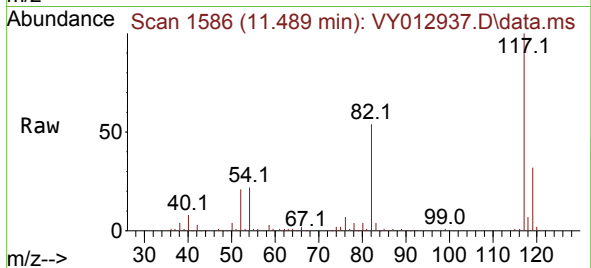
Tgt Ion:117 Resp: 120067

Ion Ratio Lower Upper

117 100

82 54.3 45.4 68.0

119 31.9 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: VY012937.D

Acq: 14 Mar 2023 13:03

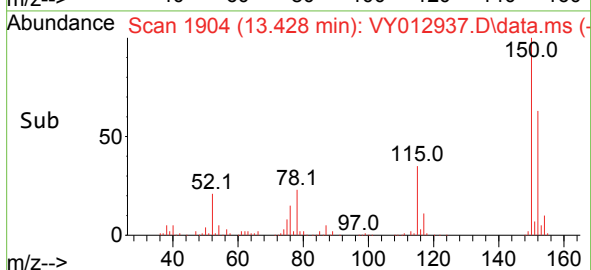
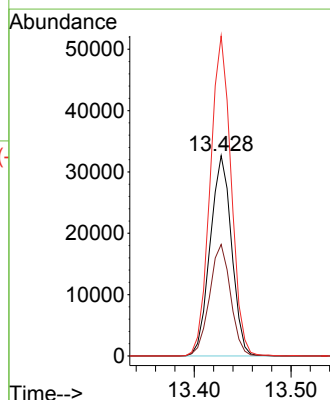
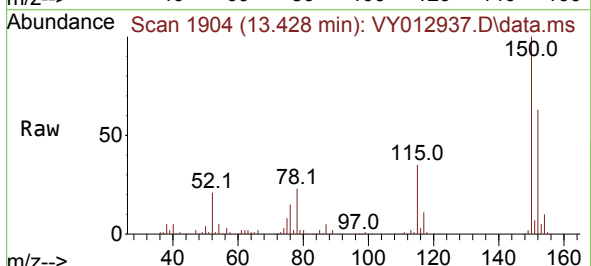
Tgt Ion:152 Resp: 50141

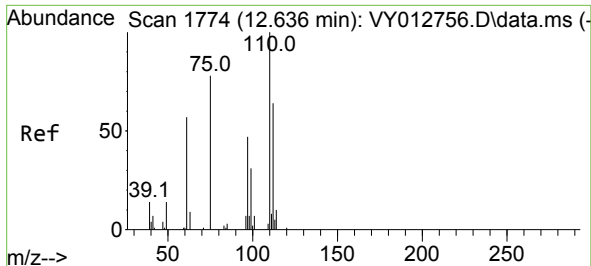
Ion Ratio Lower Upper

152 100

115 54.9 27.1 81.3

150 156.2 0.0 347.8

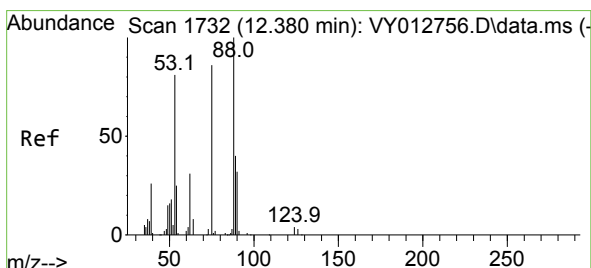
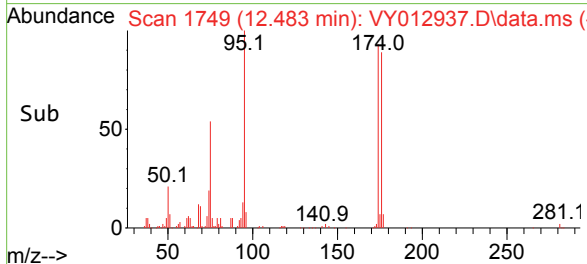
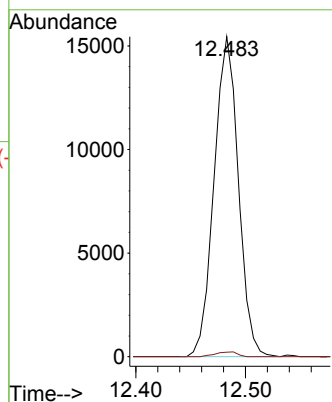
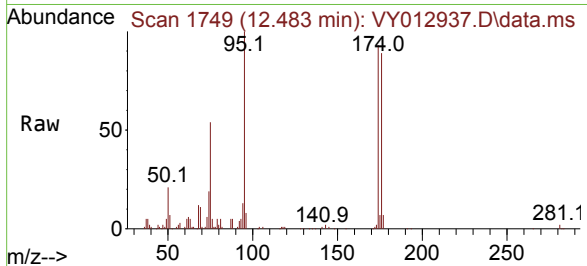




#76
1,2,3-Trichloropropane
Concen: 39.724 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012937.D
Acq: 14 Mar 2023 13:03

Instrument :
MSVOA_Y
ClientSampleId :
CF-20

Tgt Ion: 75 Resp: 23785
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.308 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY012937.D
Acq: 14 Mar 2023 13:03

Tgt Ion: 75 Resp: 23785
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#

