

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050223\
 Data File : VY013562.D
 Acq On : 02 May 2023 17:21
 Operator : KP/MD
 Sample : 02583-03
 Misc : 15.42g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CF-23

Quant Time: May 03 01:34:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

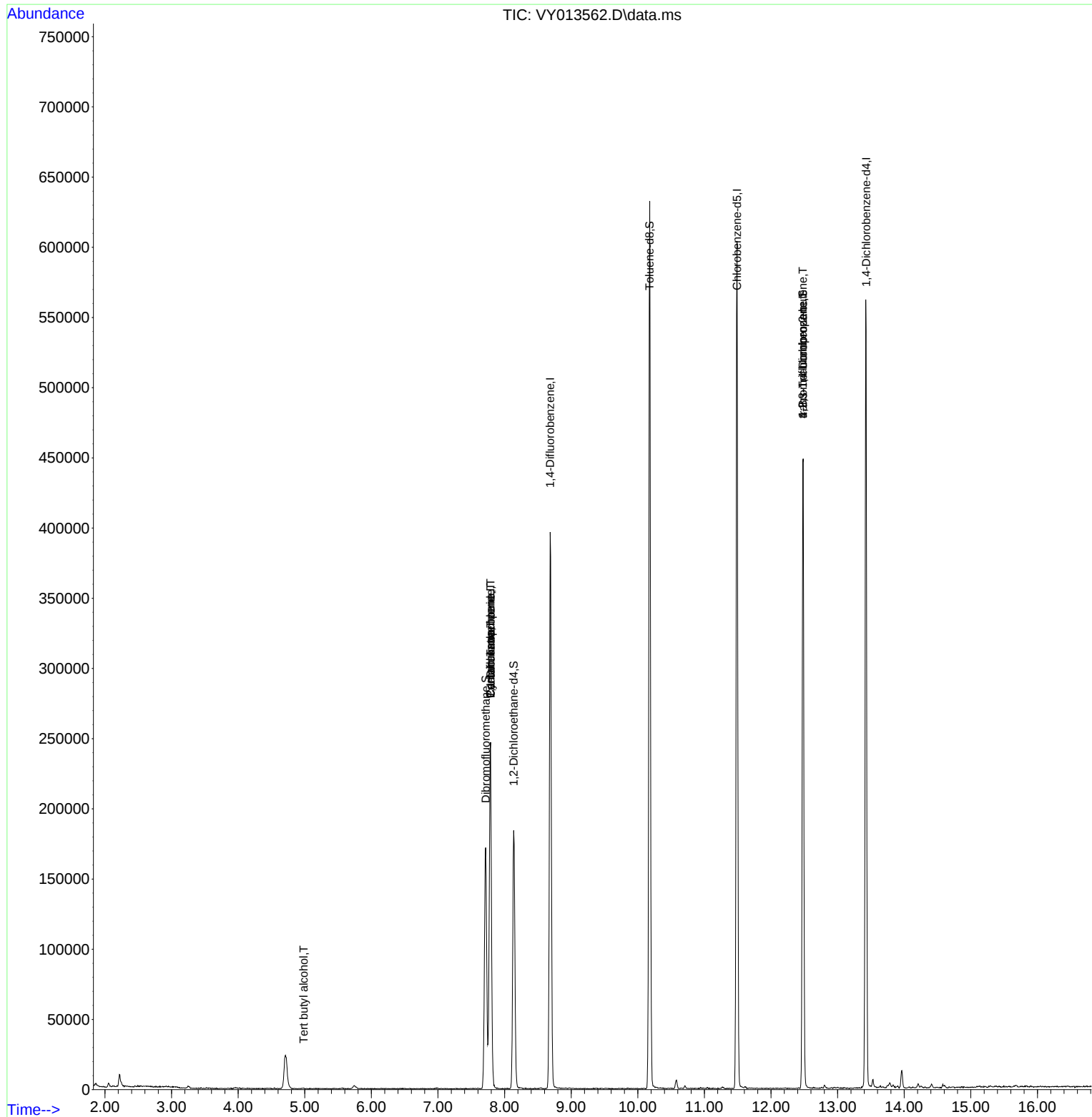
Internal Standards						
1) Pentafluorobenzene	7.789	168	189171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	330260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	326732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	146021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	151399	73.008	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 146.020%	
35) Dibromofluoromethane	7.716	113	119122	57.348	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.700%	
50) Toluene-d8	10.179	98	404914	54.797	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.600%	
62) 4-Bromofluorobenzene	12.477	95	128859	51.727	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.460%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.985	59	187	1.448	ug/l #	89
13) Acrolein	3.485	56	26	Below Cal	#	16
20) Methylene Chloride	4.710	84	18254	Below Cal		89
31) Cyclohexane	7.789	56	4454	1.200	ug/l #	20
36) 1,1-Dichloropropene	7.789	75	14287	4.144	ug/l #	49
38) Carbon Tetrachloride	7.789	117	18240	5.048	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	69483	35.284	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	69483	72.175	ug/l #	13

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

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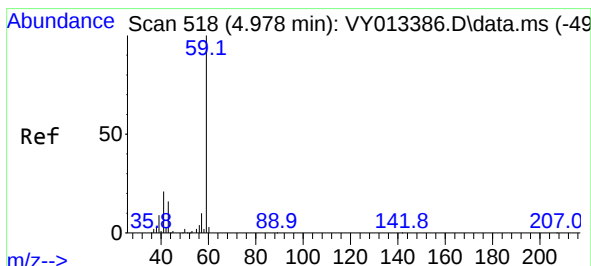
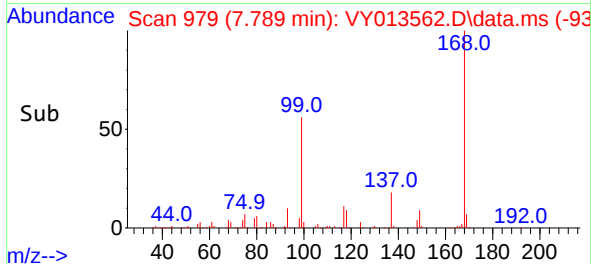
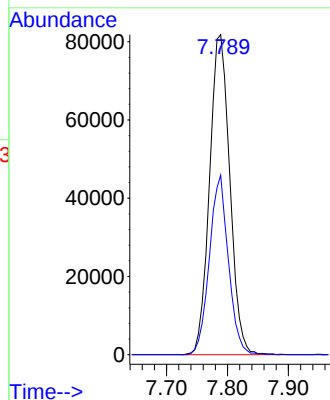
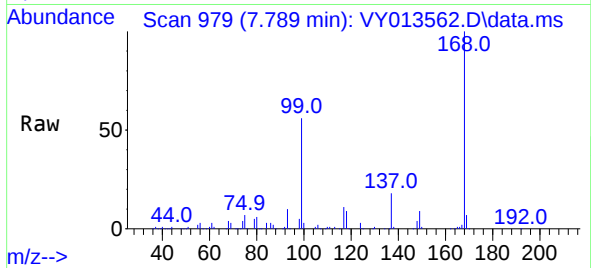




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013562.D
Acq: 02 May 2023 17:21

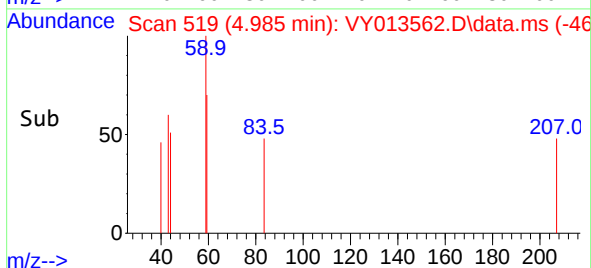
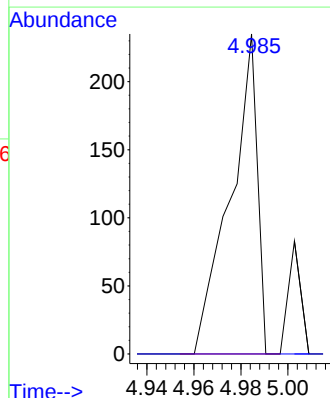
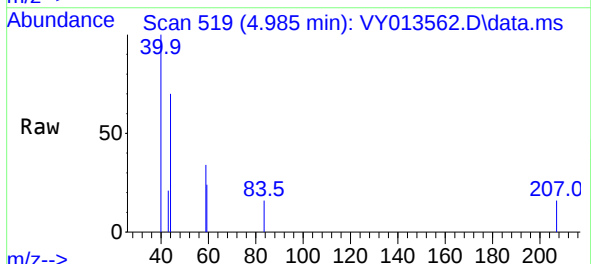
Instrument :
MSVOA_Y
ClientSampleId :
CF-23

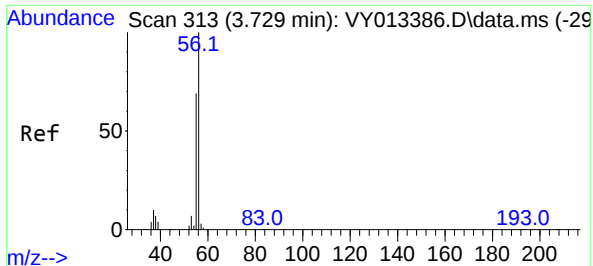
Tgt Ion:168 Resp: 189171
Ion Ratio Lower Upper
168 100
99 56.1 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.448 ug/l
RT: 4.985 min Scan# 519
Delta R.T. 0.007 min
Lab File: VY013562.D
Acq: 02 May 2023 17:21

Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

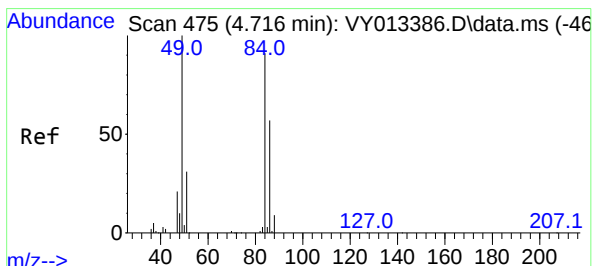
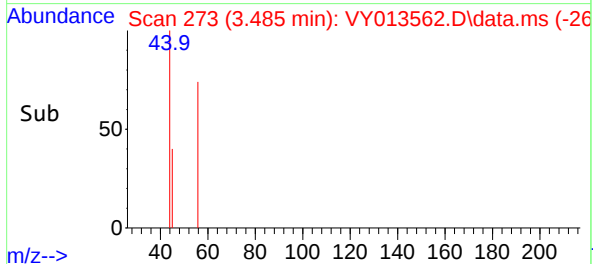
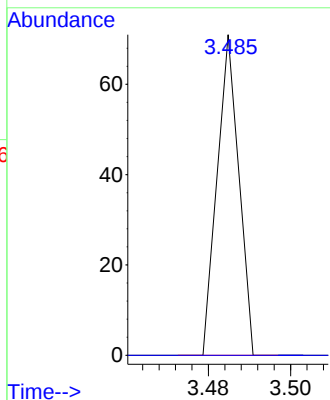
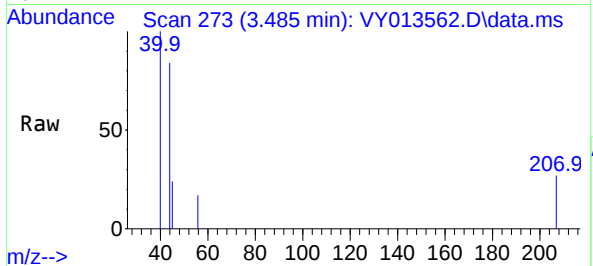




#13
Acrolein
Concen: Below Cal
RT: 3.485 min Scan# 21
Delta R.T. -0.244 min
Lab File: VY013562.D
Acq: 02 May 2023 17:21

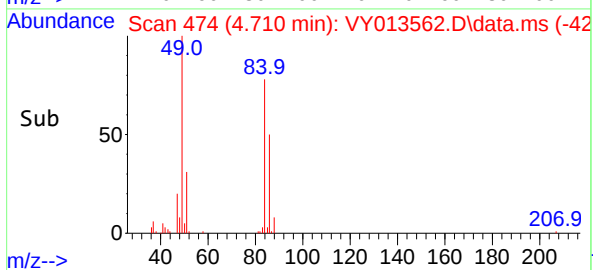
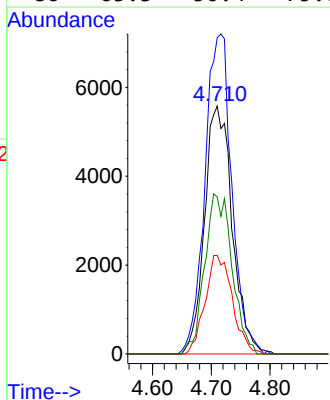
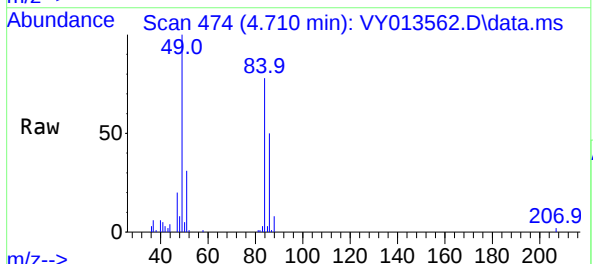
Instrument :
MSVOA_Y
ClientSampleId :
CF-23

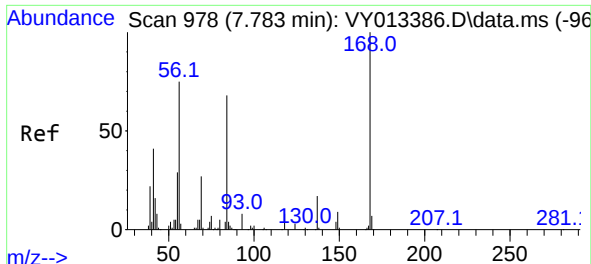
Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY013562.D
Acq: 02 May 2023 17:21

Tgt Ion: 84 Resp: 18254
Ion Ratio Lower Upper
84 100
49 127.6 88.0 132.0
51 39.7 27.4 41.0
86 63.3 50.4 75.6

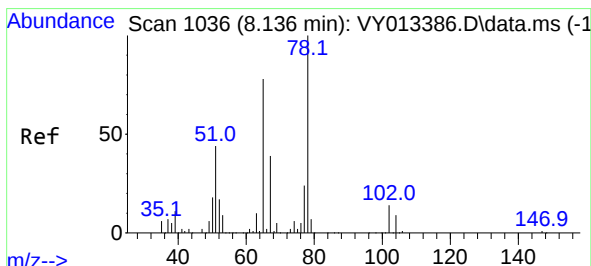
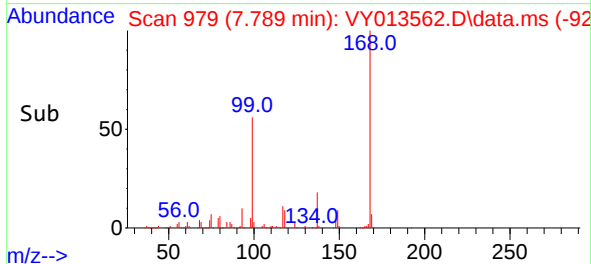
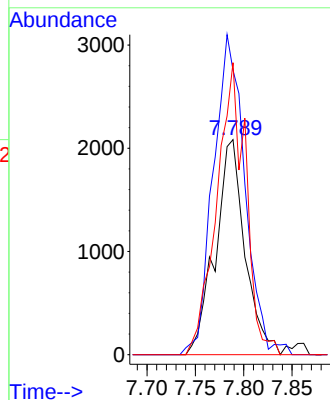
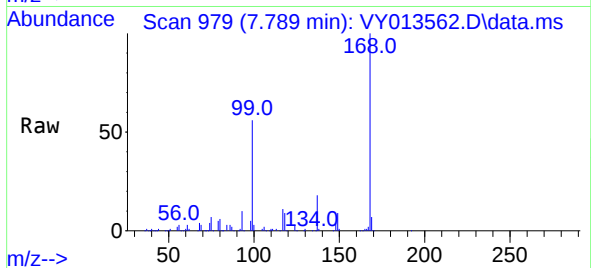




#31
Cyclohexane
Concen: 1.200 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013562.D
Acq: 02 May 2023 17:21

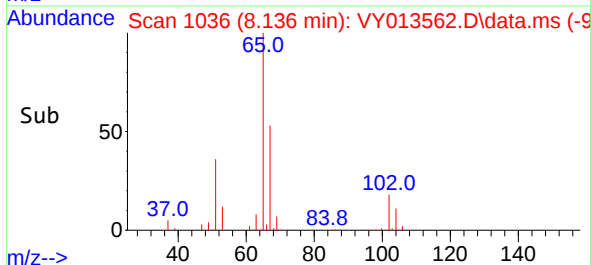
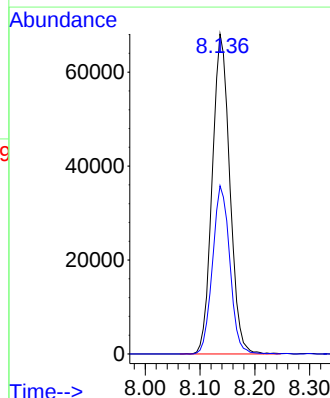
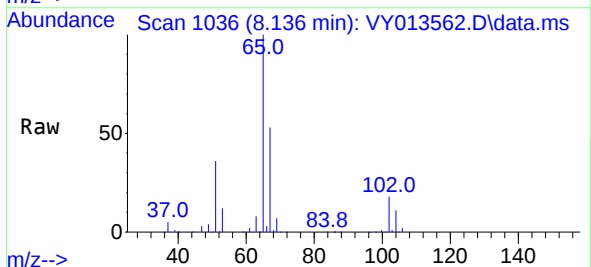
Instrument :
MSVOA_Y
ClientSampleId :
CF-23

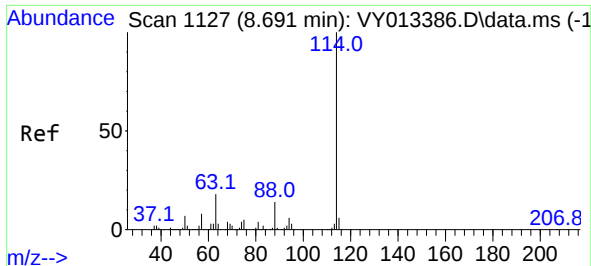
Tgt Ion: 56 Resp: 4454
Ion Ratio Lower Upper
56 100
69 132.3 29.2 43.8#
84 135.8 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 73.008 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013562.D
Acq: 02 May 2023 17:21

Tgt Ion: 65 Resp: 151399
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013562.D

Acq: 02 May 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

CF-23

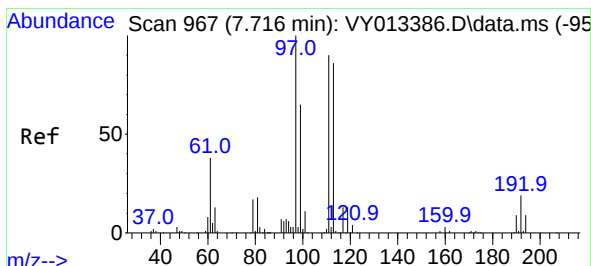
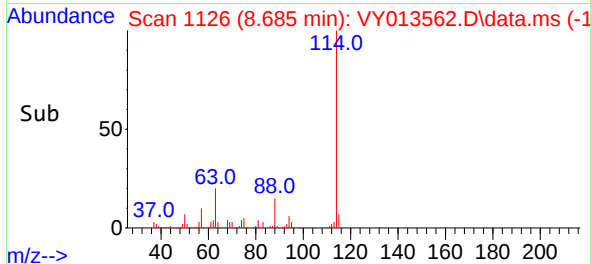
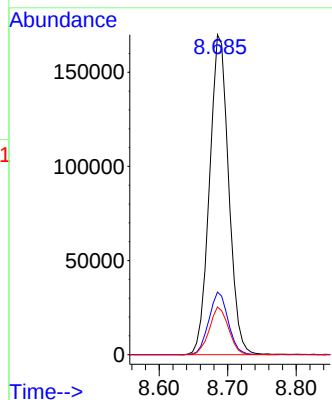
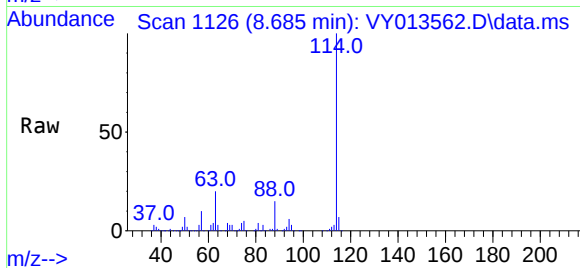
Tgt Ion:114 Resp: 330260

Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.6

88 14.9 0.0 28.8



#35

Dibromofluoromethane

Concen: 57.348 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013562.D

Acq: 02 May 2023 17:21

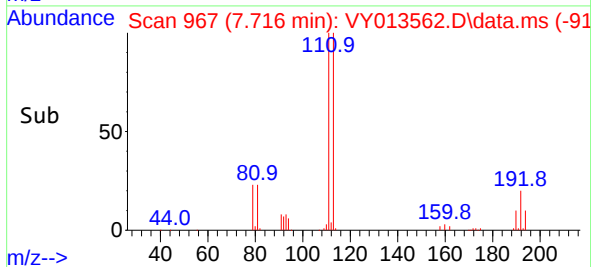
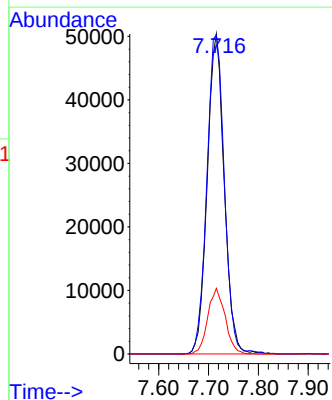
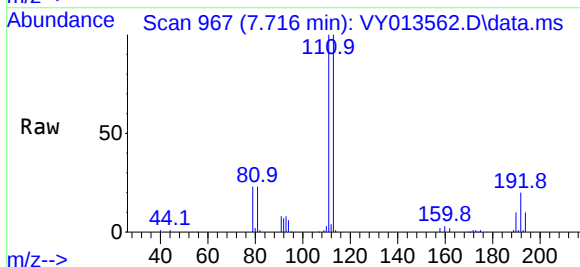
Tgt Ion:113 Resp: 119122

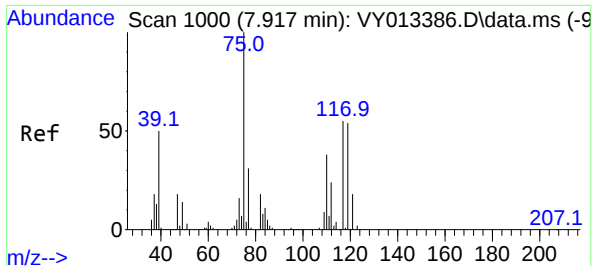
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 21.0 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.144 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013562.D

Acq: 02 May 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

CF-23

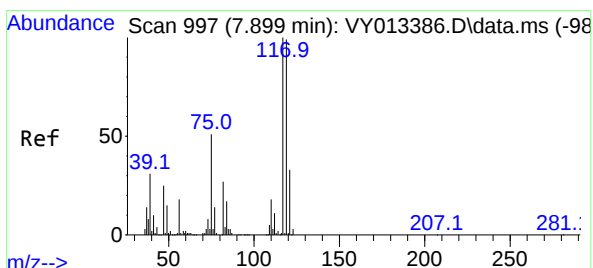
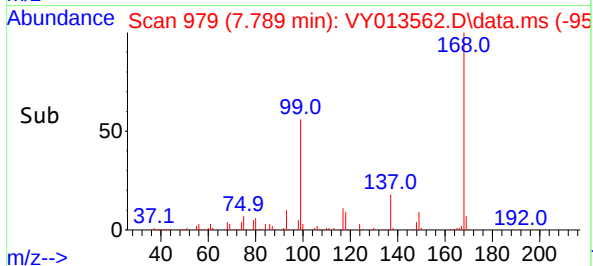
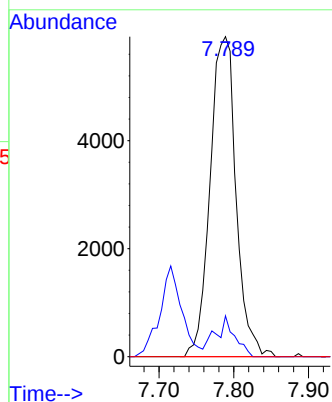
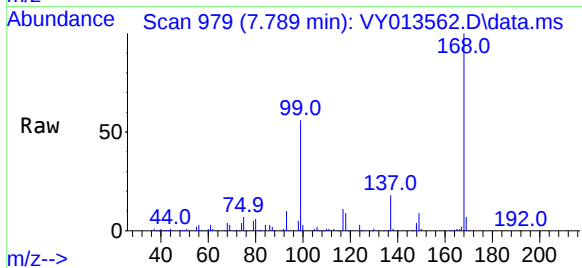
Tgt Ion: 75 Resp: 14287

Ion Ratio Lower Upper

75 100

110 9.5 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.048 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013562.D

Acq: 02 May 2023 17:21

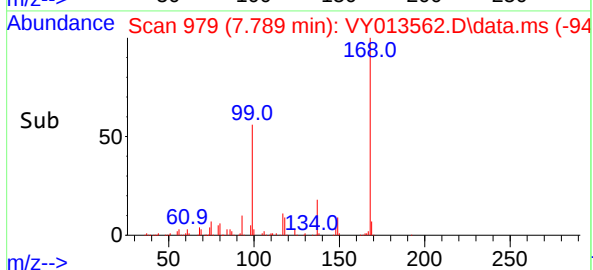
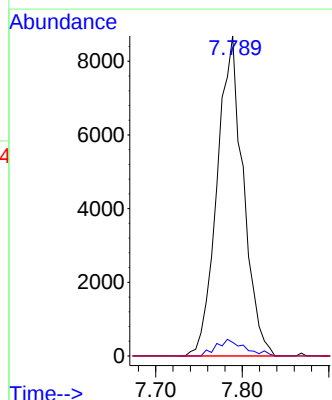
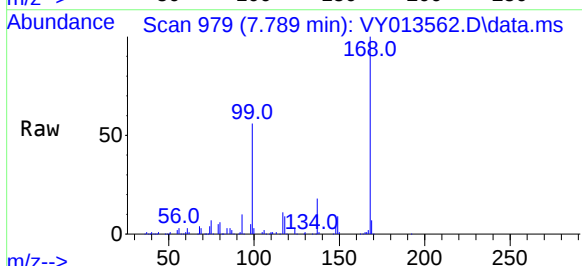
Tgt Ion: 117 Resp: 18240

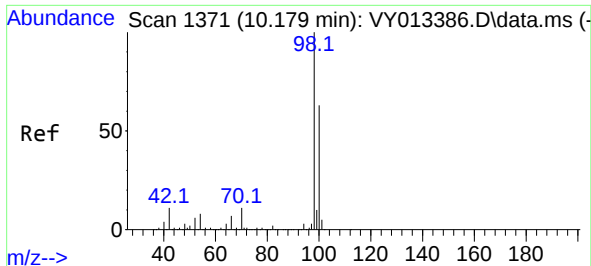
Ion Ratio Lower Upper

117 100

119 4.3 79.0 118.6#

121 0.0 26.6 40.0#

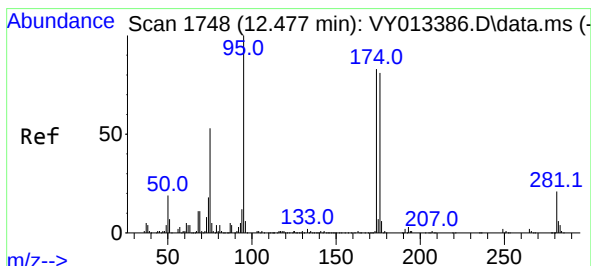
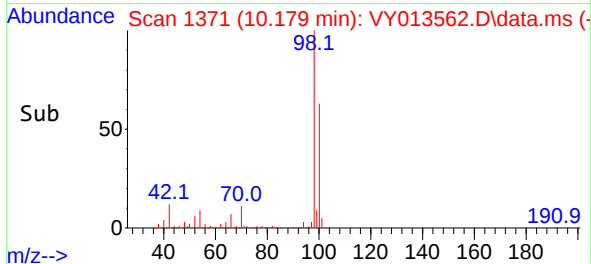
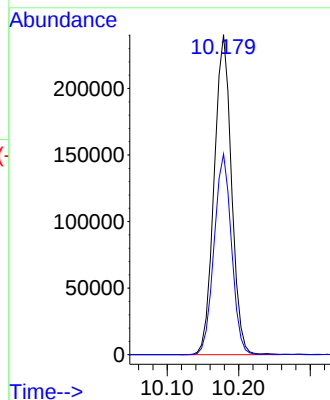
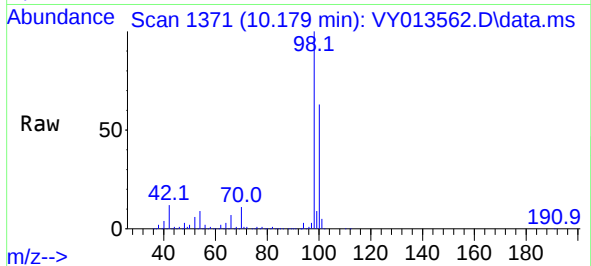




#50
Toluene-d8
Concen: 54.797 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013562.D
Acq: 02 May 2023 17:21

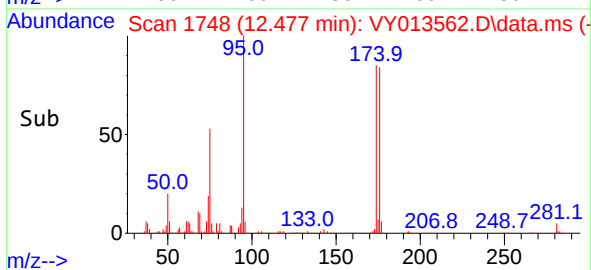
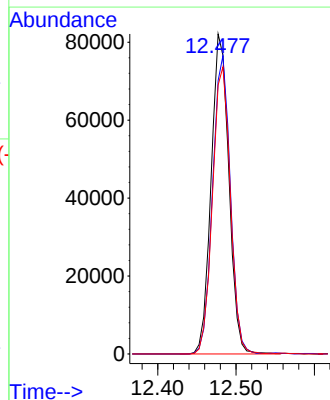
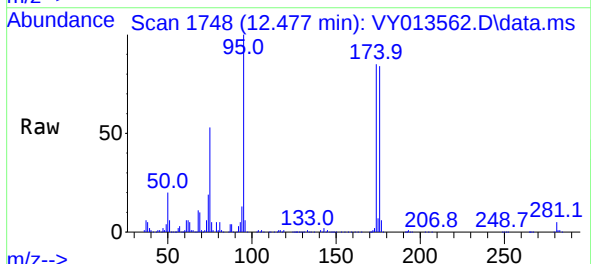
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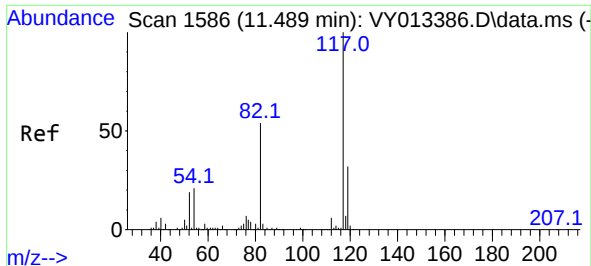
Tgt Ion: 98 Resp: 404914
Ion Ratio Lower Upper
98 100
100 62.7 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 51.727 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013562.D
Acq: 02 May 2023 17:21

Tgt Ion: 95 Resp: 128859
Ion Ratio Lower Upper
95 100
174 93.2 0.0 182.0
176 90.5 0.0 175.4

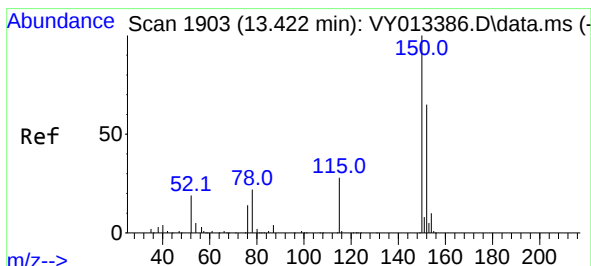
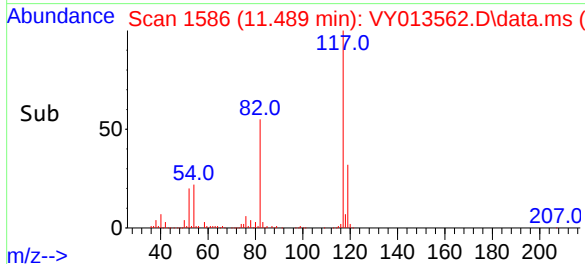
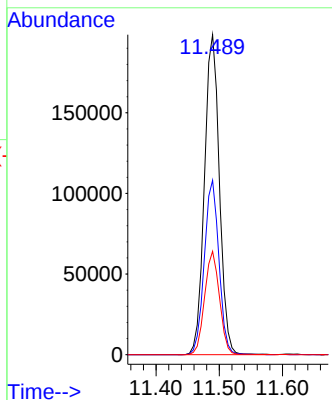
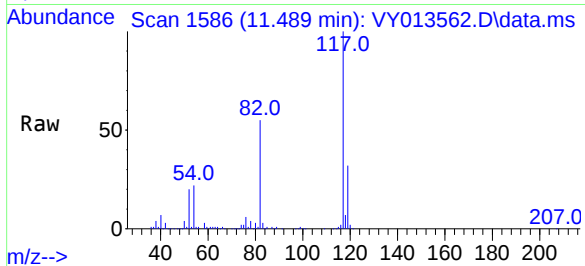




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013562.D
Acq: 02 May 2023 17:21

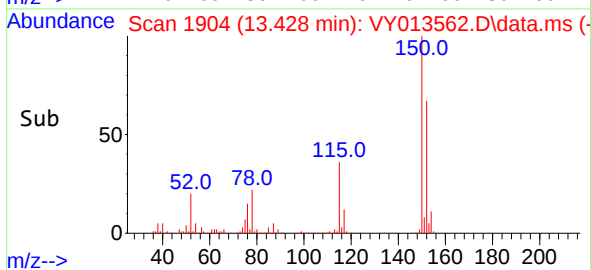
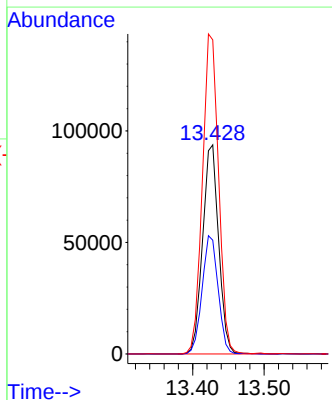
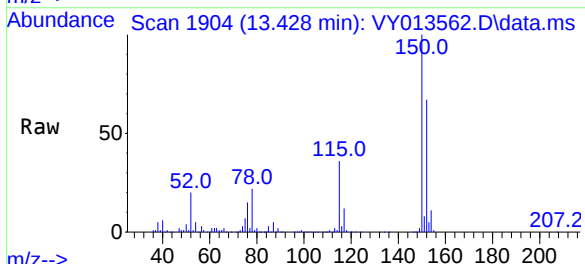
Instrument :
MSVOA_Y
ClientSampleId :
CF-23

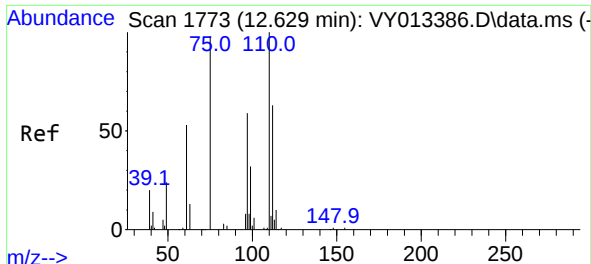
Tgt Ion:117 Resp: 326732
Ion Ratio Lower Upper
117 100
82 54.5 43.0 64.6
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013562.D
Acq: 02 May 2023 17:21

Tgt Ion:152 Resp: 146021
Ion Ratio Lower Upper
152 100
115 56.4 28.1 84.2
150 154.4 0.0 352.0

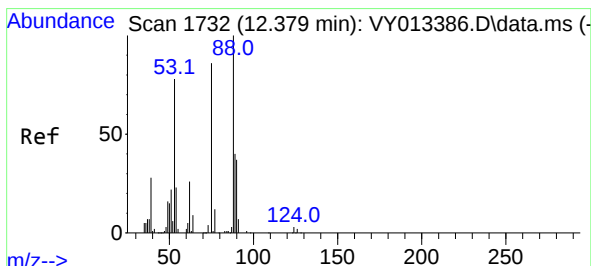
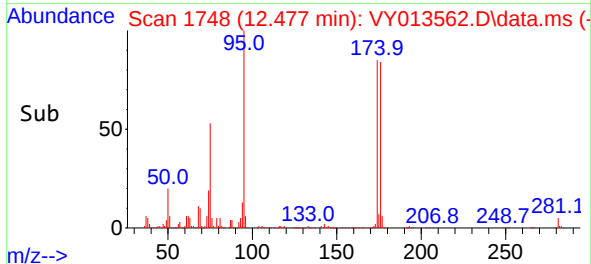
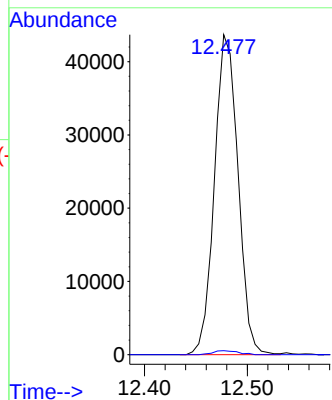
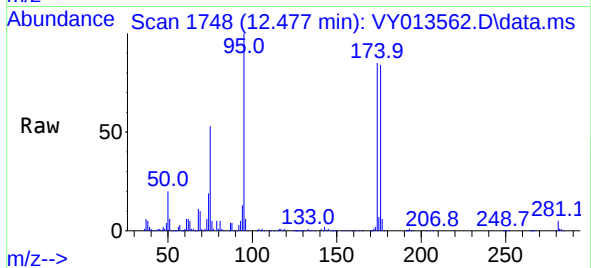




#76
1,2,3-Trichloropropane
Concen: 35.284 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013562.D
Acq: 02 May 2023 17:21

Instrument :
MSVOA_Y
ClientSampleId :
CF-23

Tgt Ion: 75 Resp: 69483
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.175 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013562.D
Acq: 02 May 2023 17:21

Tgt Ion: 75 Resp: 69483
Ion Ratio Lower Upper
75 100
53 0.2 73.2 109.8#
89 0.3 38.0 57.0#

