

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042523\
 Data File : VY013447.D
 Acq On : 25 Apr 2023 15:29
 Operator : KP/MD
 Sample : 02477-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 W-H4(ELEV-22)

Quant Time: Apr 26 02:50:49 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

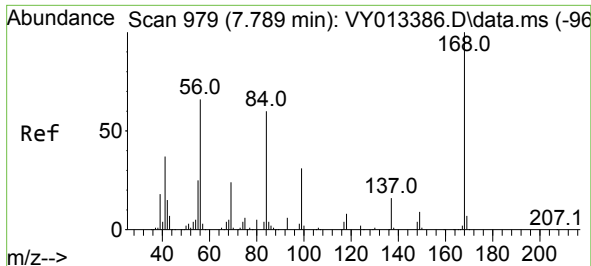
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	160598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	272830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	261653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	109918	62.435	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.880%	
35) Dibromofluoromethane	7.716	113	96776	56.397	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.800%	
50) Toluene-d8	10.179	98	337814	55.339	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.680%	
62) 4-Bromofluorobenzene	12.477	95	107990	52.474	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.940%	
Target Compounds						
					Qvalue	
13) Acrolein	3.759	56	22	Below Cal	#	16
16) Acetone	3.966	43	2677	3.861	ug/l #	83
20) Methylene Chloride	4.710	84	10927	Below Cal		87
31) Cyclohexane	7.783	56	3622	1.149	ug/l #	16
36) 1,1-Dichloropropene	7.789	75	12727	4.469	ug/l #	49
38) Carbon Tetrachloride	7.789	117	15864	5.315	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	57554	34.855	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57554	71.297	ug/l #	13

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

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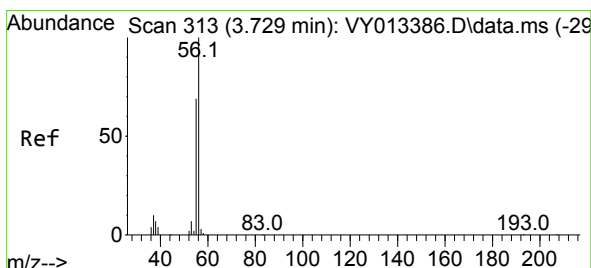
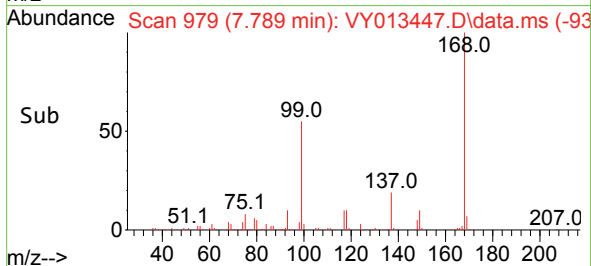
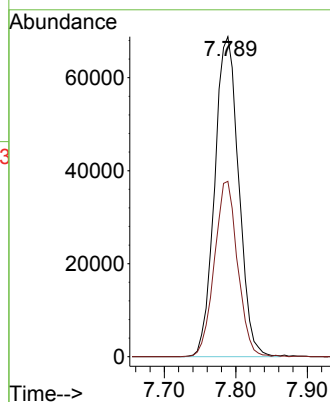
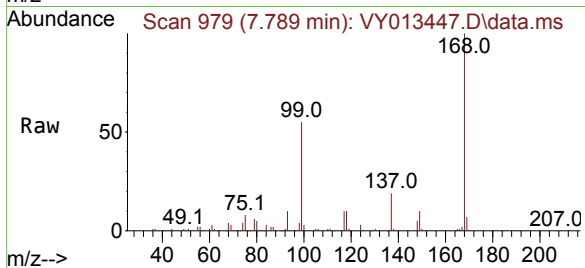




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013447.D
Acq: 25 Apr 2023 15:29

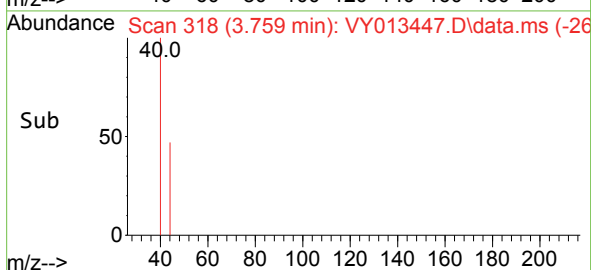
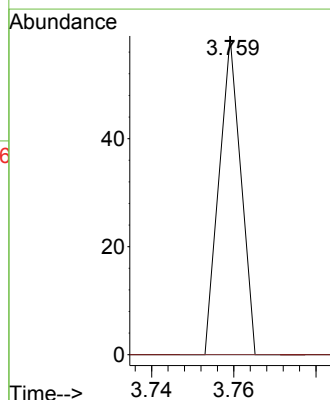
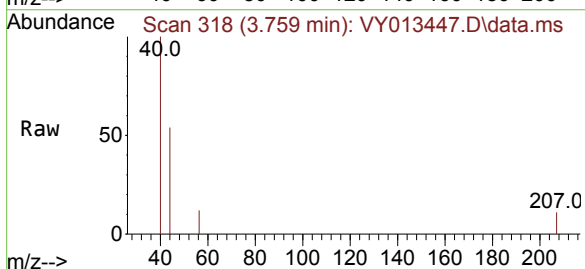
Instrument :
MSVOA_Y
ClientSampleId :
W-H4(ELEV-22)

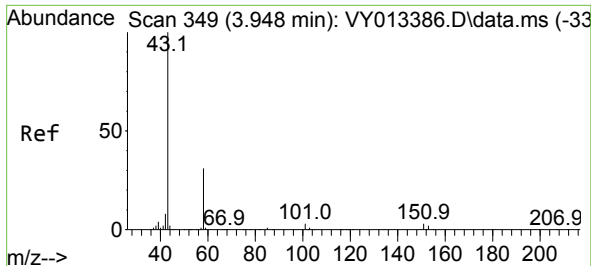
Tgt Ion:168 Resp: 160598
Ion Ratio Lower Upper
168 100
99 54.8 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.759 min Scan# 318
Delta R.T. 0.030 min
Lab File: VY013447.D
Acq: 25 Apr 2023 15:29

Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#





#16

Acetone

Concen: 3.861 ug/l

RT: 3.966 min Scan# 3

Delta R.T. 0.018 min

Lab File: VY013447.D

Acq: 25 Apr 2023 15:29

Instrument :

MSVOA_Y

ClientSampleId :

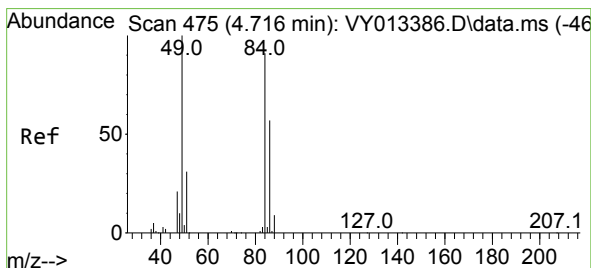
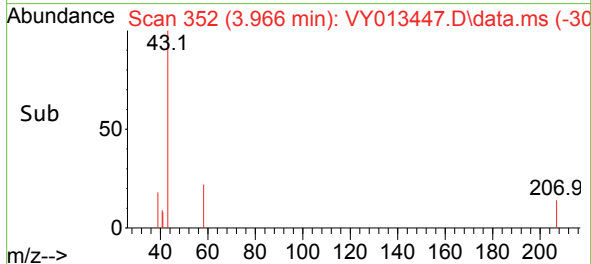
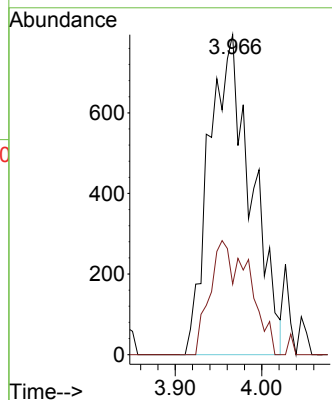
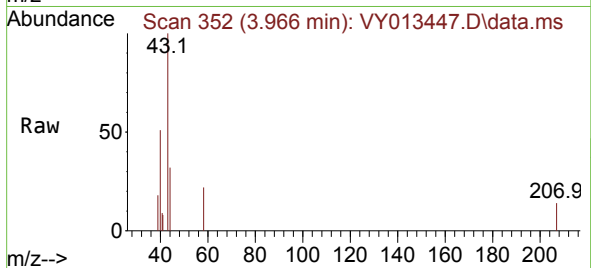
W-H4(ELEV-22)

Tgt Ion: 43 Resp: 2677

Ion Ratio Lower Upper

43 100

58 22.0 25.4 38.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY013447.D

Acq: 25 Apr 2023 15:29

Tgt Ion: 84 Resp: 10927

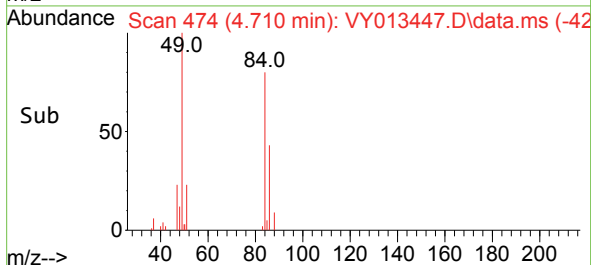
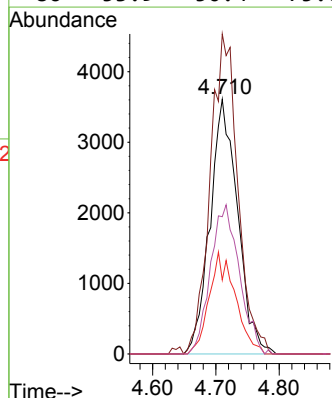
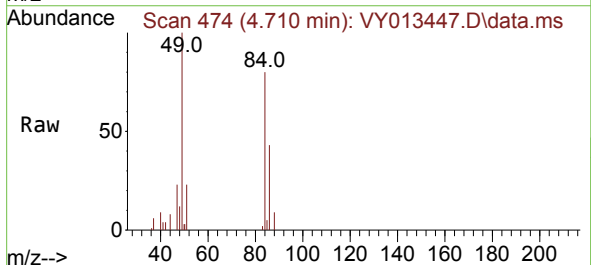
Ion Ratio Lower Upper

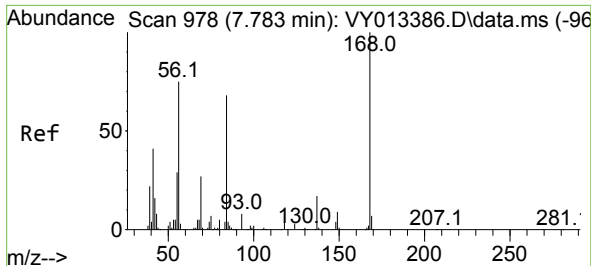
84 100

49 125.6 88.0 132.0

51 29.0 27.4 41.0

86 53.9 50.4 75.6

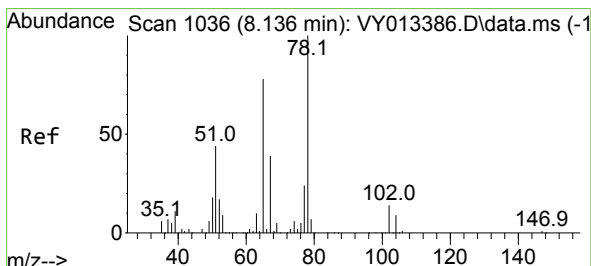
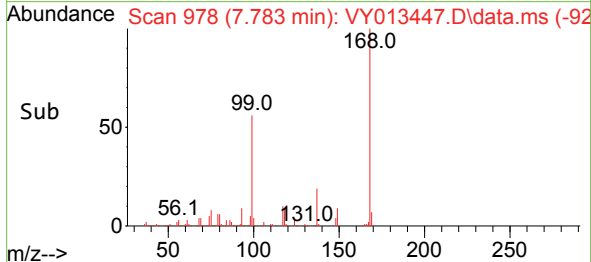
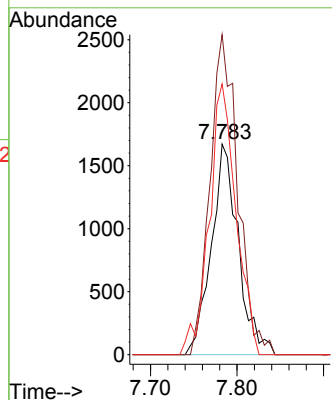
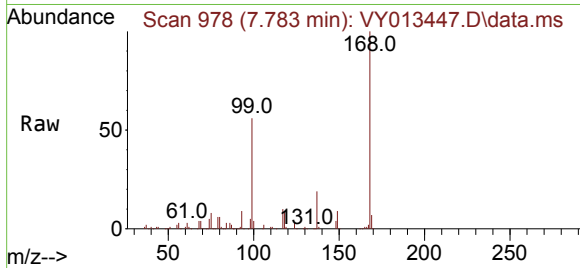




#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013447.D
Acq: 25 Apr 2023 15:29

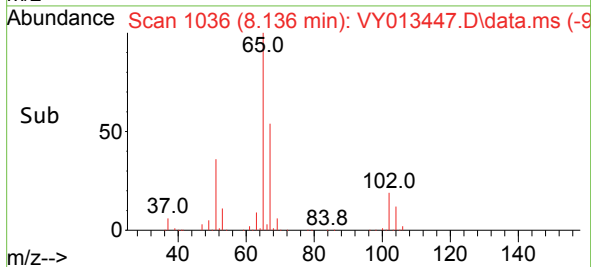
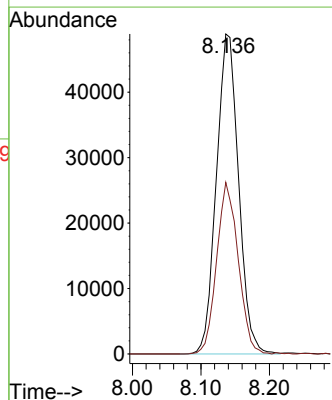
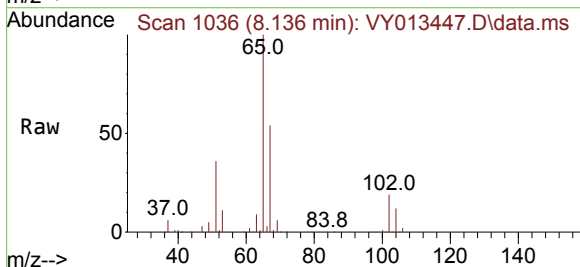
Instrument :
MSVOA_Y
ClientSampleId :
W-H4(ELEV-22)

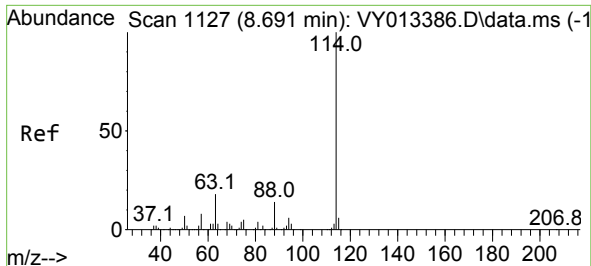
Tgt Ion: 56 Resp: 3622
Ion Ratio Lower Upper
56 100
69 152.0 29.2 43.8#
84 128.6 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 62.435 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013447.D
Acq: 25 Apr 2023 15:29

Tgt Ion: 65 Resp: 109918
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.4

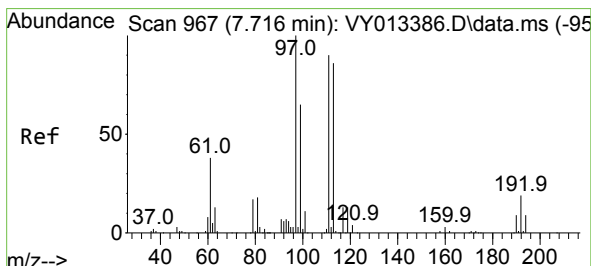
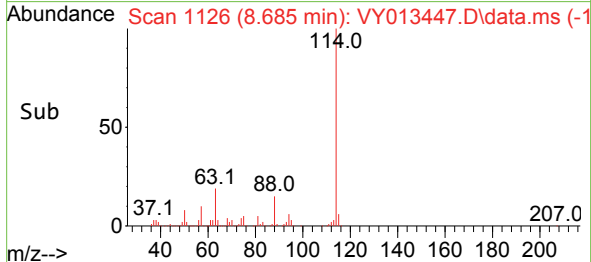
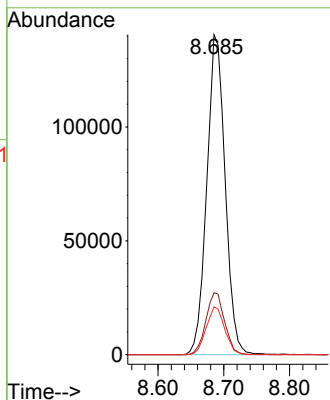
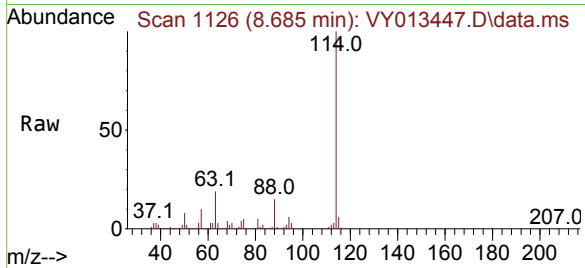




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY013447.D
Acq: 25 Apr 2023 15:29

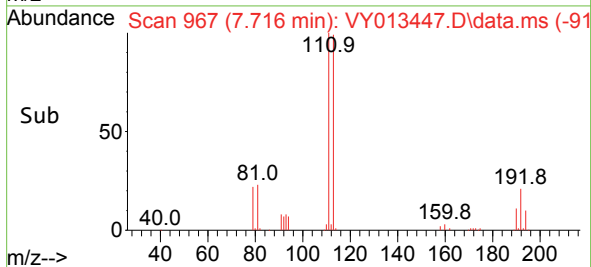
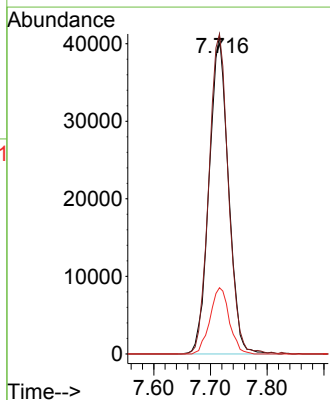
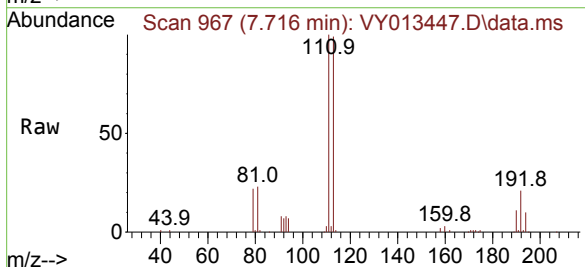
Instrument :
MSVOA_Y
ClientSampleId :
W-H4(ELEV-22)

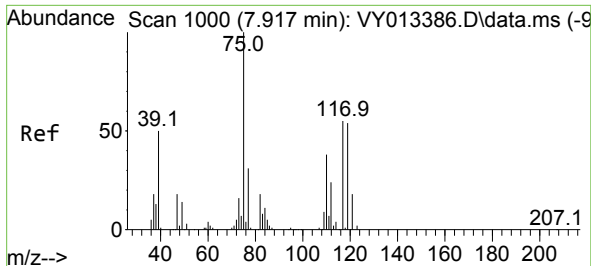
Tgt Ion:114 Resp: 272830
Ion Ratio Lower Upper
114 100
63 19.3 0.0 36.6
88 15.0 0.0 28.8



#35
Dibromofluoromethane
Concen: 56.397 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013447.D
Acq: 25 Apr 2023 15:29

Tgt Ion:113 Resp: 96776
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.2
192 20.8 16.7 25.1

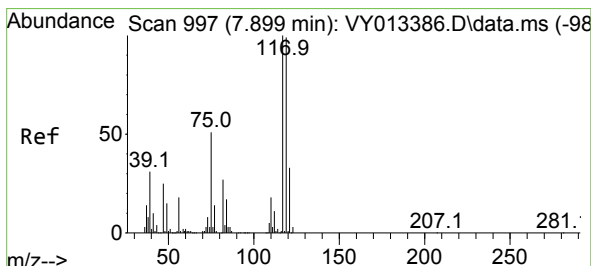
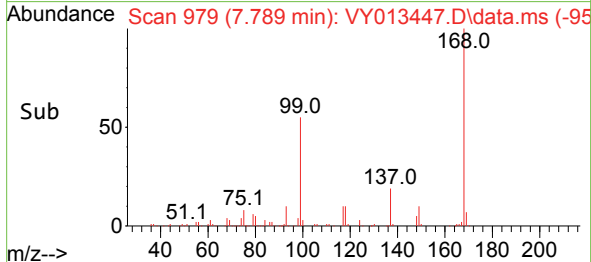
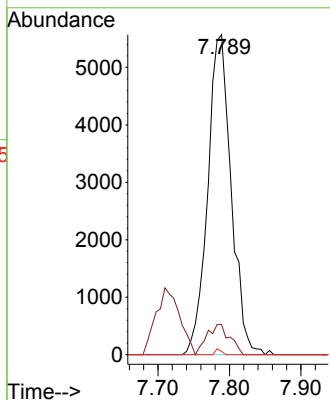
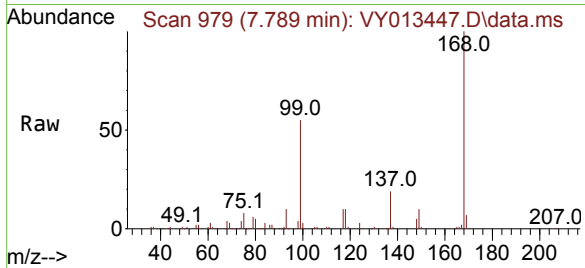




#36
1,1-Dichloropropene
Concen: 4.469 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013447.D
Acq: 25 Apr 2023 15:29

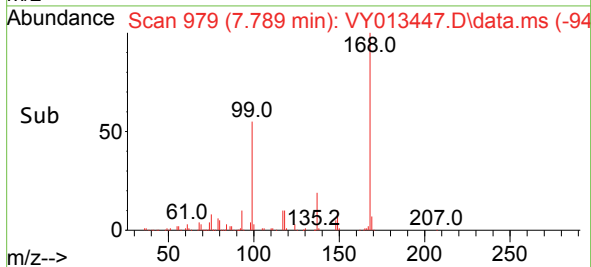
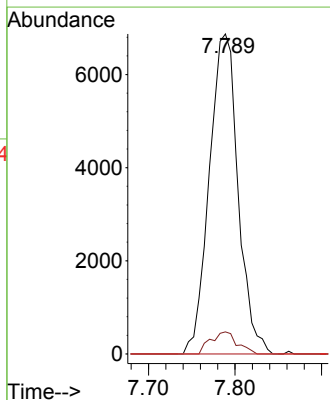
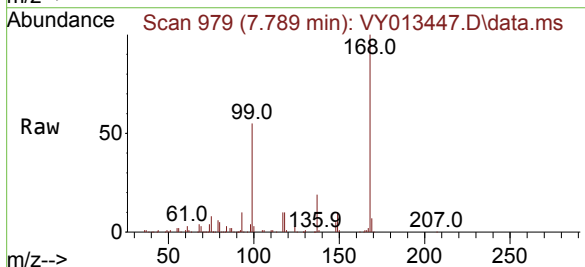
Instrument :
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ClientSampleId :
W-H4(ELEV-22)

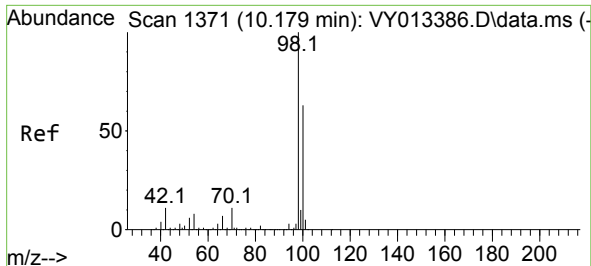
Tgt Ion: 75 Resp: 12727
Ion Ratio Lower Upper
75 100
110 9.1 18.7 56.1#
77 0.5 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.315 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013447.D
Acq: 25 Apr 2023 15:29

Tgt Ion: 117 Resp: 15864
Ion Ratio Lower Upper
117 100
119 6.9 79.0 118.6#
121 0.0 26.6 40.0#

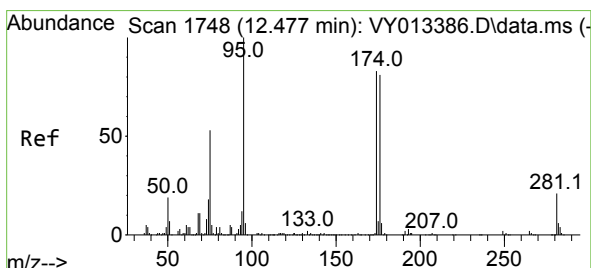
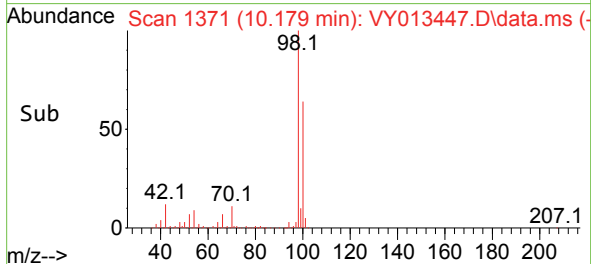
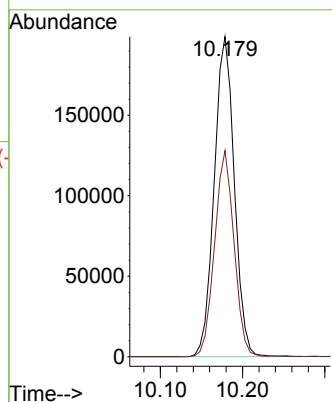
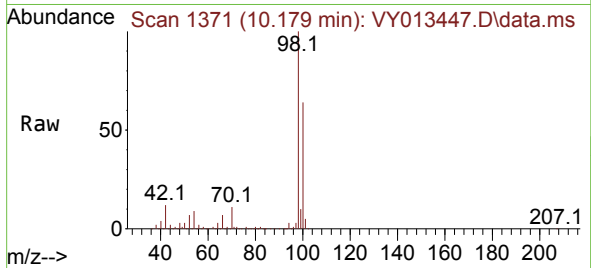




#50
Toluene-d8
Concen: 55.339 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013447.D
Acq: 25 Apr 2023 15:29

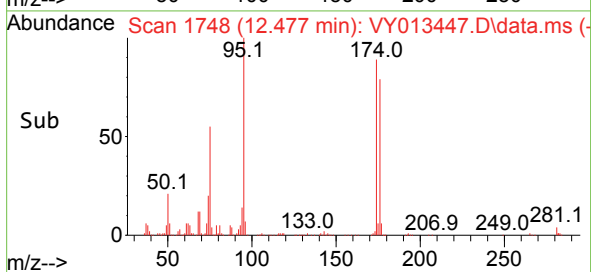
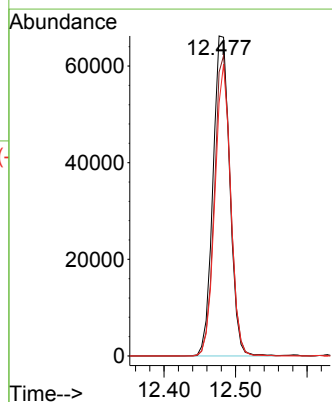
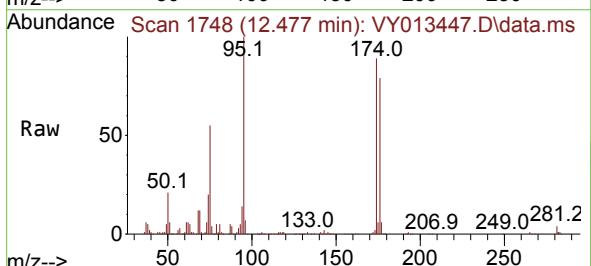
Instrument :
MSVOA_Y
ClientSampleId :
W-H4(ELEV-22)

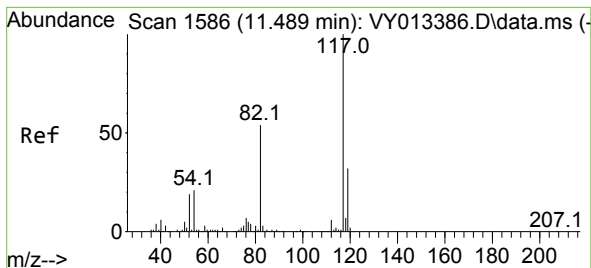
Tgt Ion: 98 Resp: 337814
Ion Ratio Lower Upper
98 100
100 62.4 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 52.474 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013447.D
Acq: 25 Apr 2023 15:29

Tgt Ion: 95 Resp: 107990
Ion Ratio Lower Upper
95 100
174 90.4 0.0 182.0
176 85.6 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: VY013447.D

Acq: 25 Apr 2023 15:29

Instrument :

MSVOA_Y

ClientSampleId :

W-H4(ELEV-22)

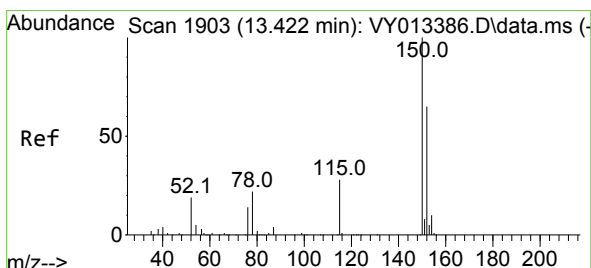
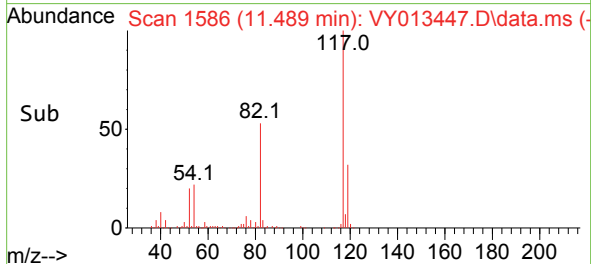
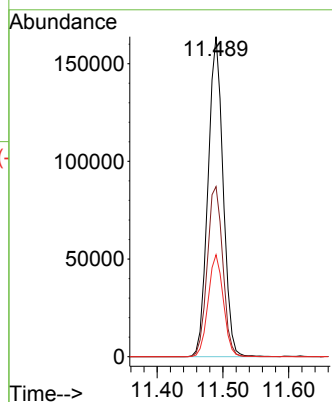
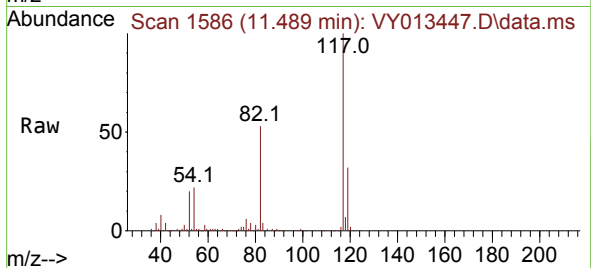
Tgt Ion:117 Resp: 261653

Ion Ratio Lower Upper

117 100

82 53.1 43.0 64.6

119 31.9 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: VY013447.D

Acq: 25 Apr 2023 15:29

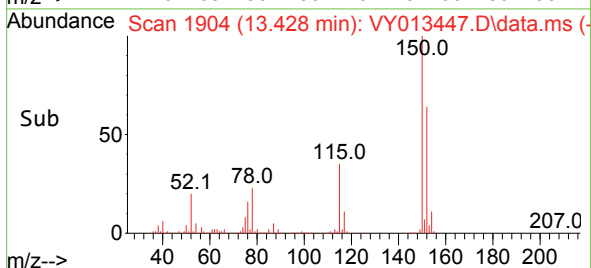
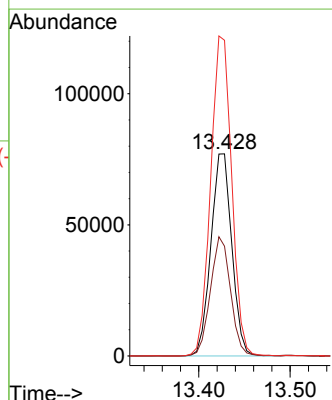
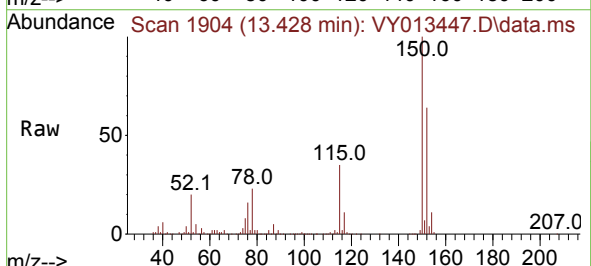
Tgt Ion:152 Resp: 122441

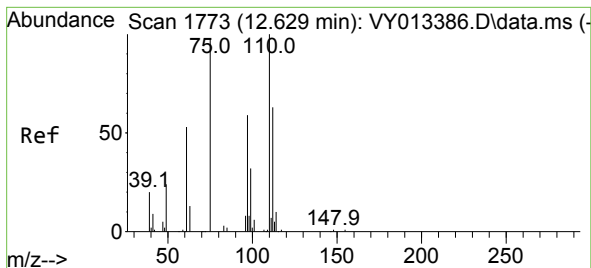
Ion Ratio Lower Upper

152 100

115 56.8 28.1 84.2

150 158.9 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 34.855 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013447.D

Acq: 25 Apr 2023 15:29

Instrument :

MSVOA_Y

ClientSampleId :

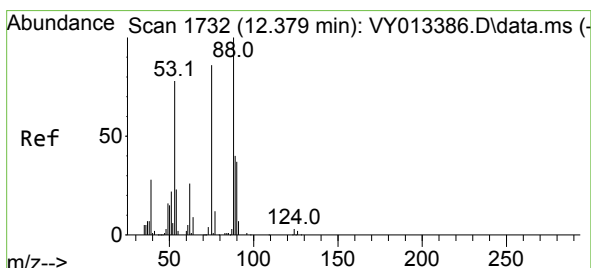
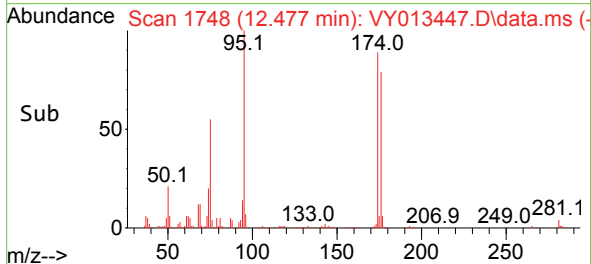
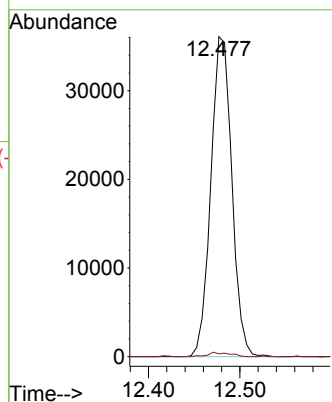
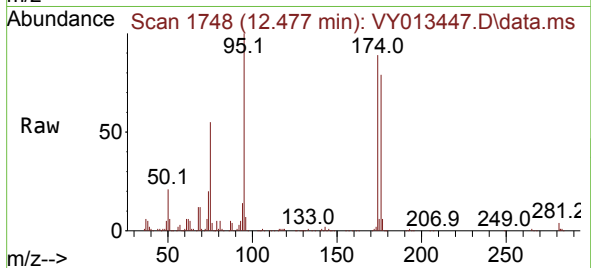
W-H4(ELEV-22)

Tgt Ion: 75 Resp: 57554

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.297 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY013447.D

Acq: 25 Apr 2023 15:29

Tgt Ion: 75 Resp: 57554

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.2 38.0 57.0#

