

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042523\
 Data File : VY013444.D
 Acq On : 25 Apr 2023 14:19
 Operator : KP/MD
 Sample : 02464-01
 Misc : 12.58g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-91

Quant Time: Apr 26 02:49:51 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)

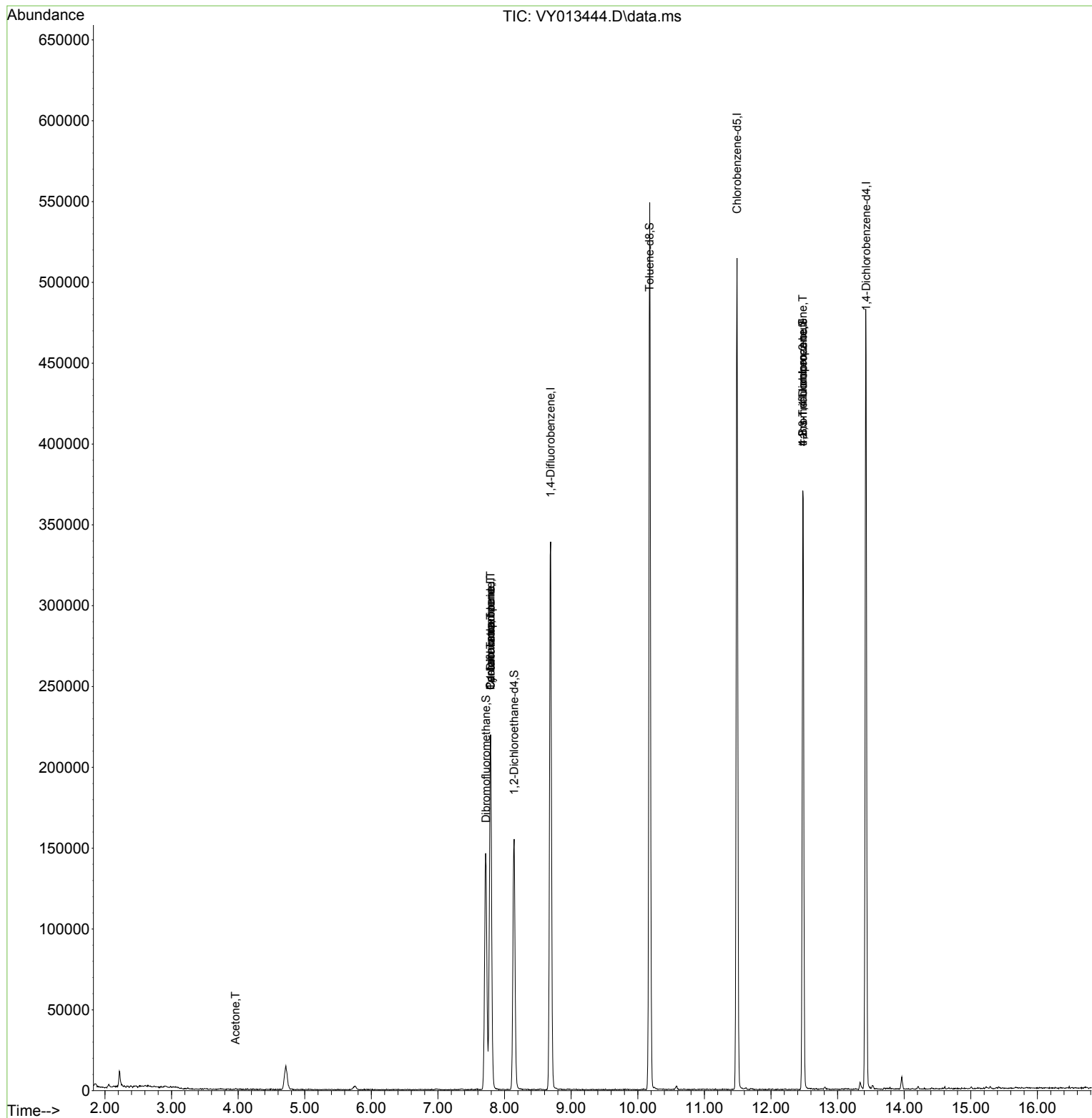
Internal Standards						
1) Pentafluorobenzene	7.789	168	168863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	286256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	273585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	121405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	123099	66.500	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.000%	
35) Dibromofluoromethane	7.722	113	102113	56.716	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.440%	
50) Toluene-d8	10.179	98	351319	54.852	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.700%	
62) 4-Bromofluorobenzene	12.477	95	110052	50.968	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.940%	
Target Compounds						
					Qvalue	
13) Acrolein	3.711	56	154	Below Cal	#	16
16) Acetone	3.960	43	894	1.226	ug/l #	43
20) Methylene Chloride	4.716	84	10009	Below Cal	#	85
31) Cyclohexane	7.789	56	3709	1.119	ug/l #	30
36) 1,1-Dichloropropene	7.789	75	13167	4.407	ug/l #	44
38) Carbon Tetrachloride	7.789	117	16183	5.167	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	58292	35.603	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	58292	72.827	ug/l #	13

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

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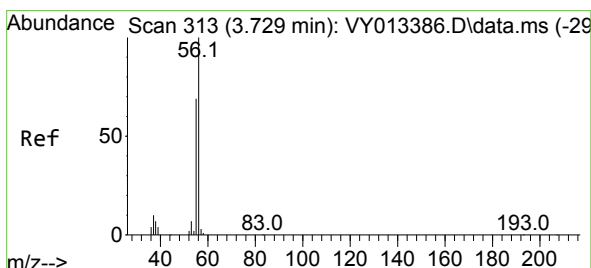
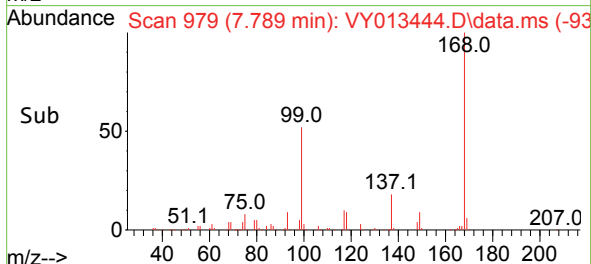
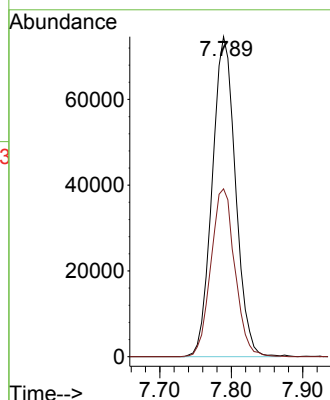
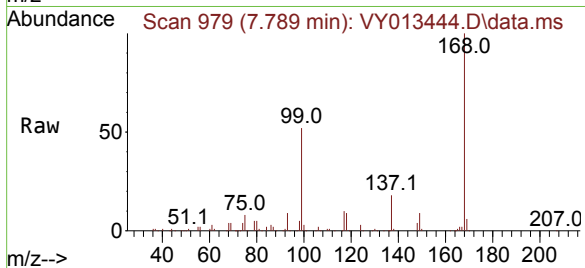




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013444.D
Acq: 25 Apr 2023 14:19

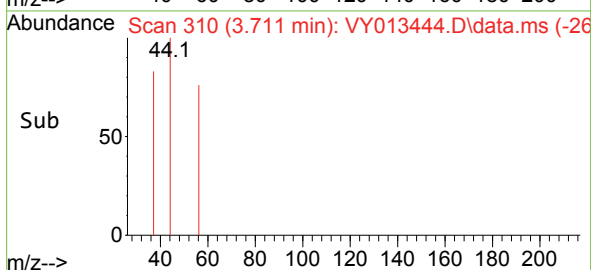
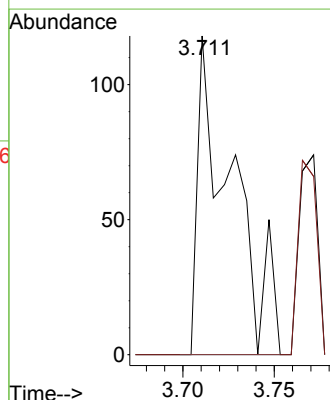
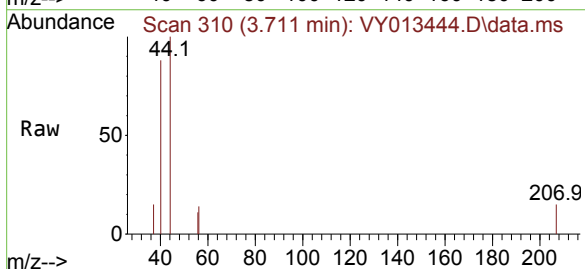
Instrument :
MSVOA_Y
ClientSampleId :
MH-91

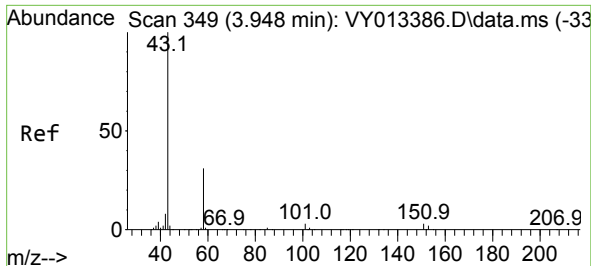
Tgt Ion:168 Resp: 168863
Ion Ratio Lower Upper
168 100
99 52.5 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.711 min Scan# 310
Delta R.T. -0.018 min
Lab File: VY013444.D
Acq: 25 Apr 2023 14:19

Tgt Ion: 56 Resp: 154
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#





#16

Acetone

Concen: 1.226 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY013444.D

Acq: 25 Apr 2023 14:19

Instrument :

MSVOA_Y

ClientSampleId :

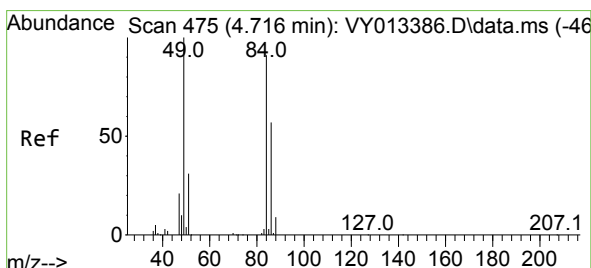
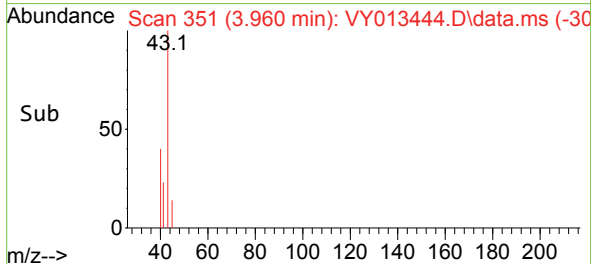
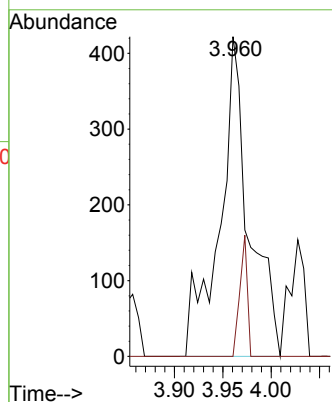
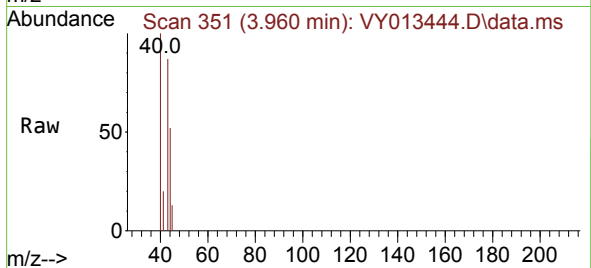
MH-91

Tgt Ion: 43 Resp: 894

Ion Ratio Lower Upper

43 100

58 0.0 25.4 38.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY013444.D

Acq: 25 Apr 2023 14:19

Tgt Ion: 84 Resp: 10009

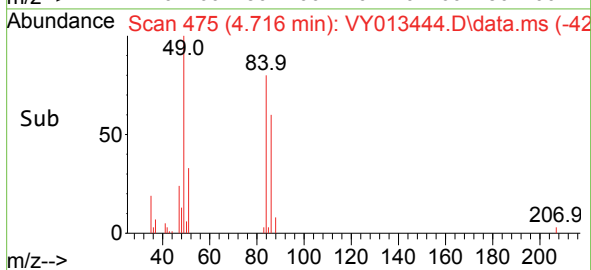
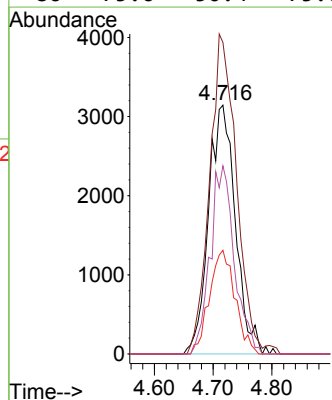
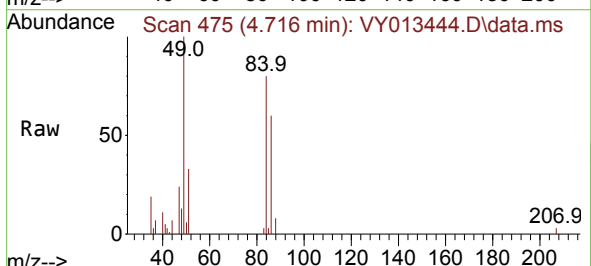
Ion Ratio Lower Upper

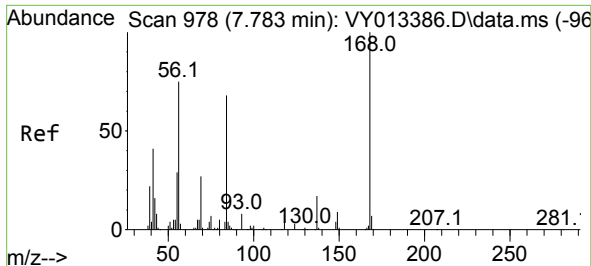
84 100

49 125.2 88.0 132.0

51 41.7 27.4 41.0#

86 75.6 50.4 75.6#

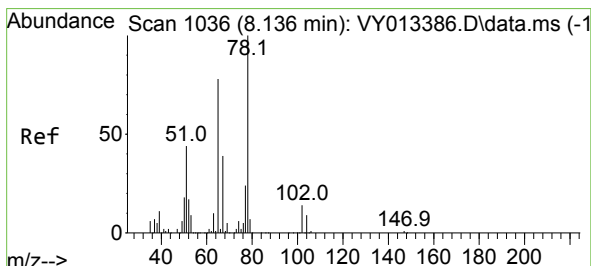
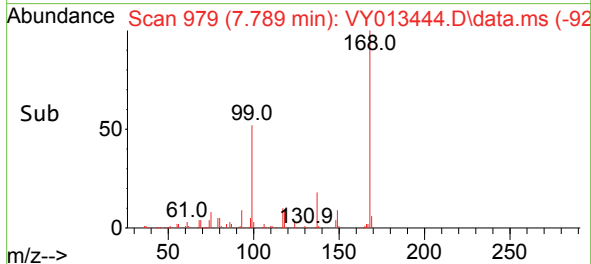
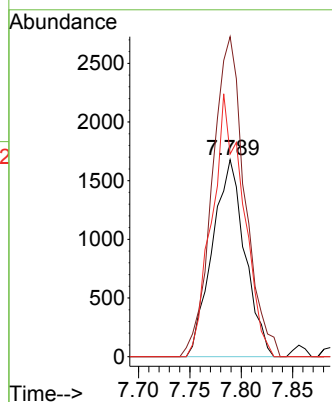
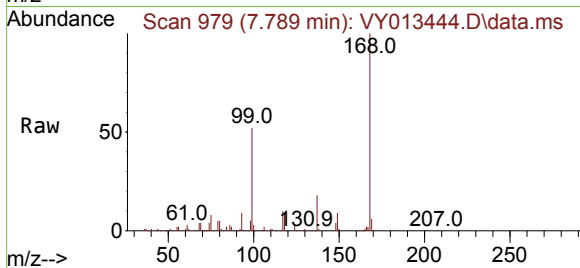




#31
Cyclohexane
Concen: 1.119 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013444.D
Acq: 25 Apr 2023 14:19

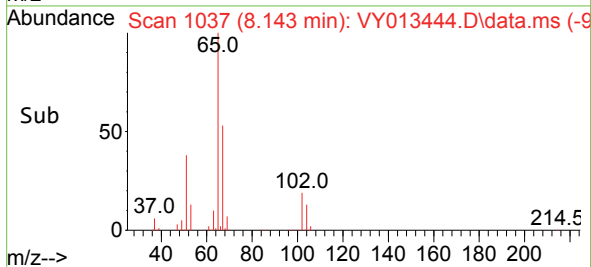
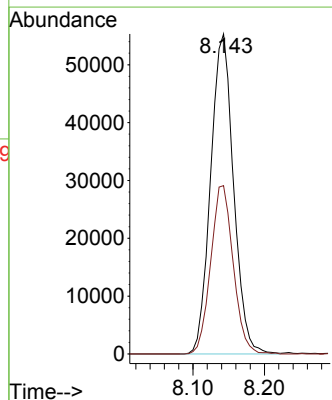
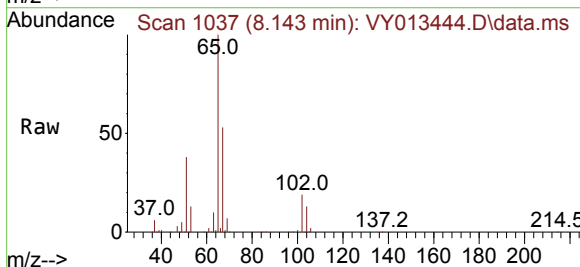
Instrument :
MSVOA_Y
ClientSampleId :
MH-91

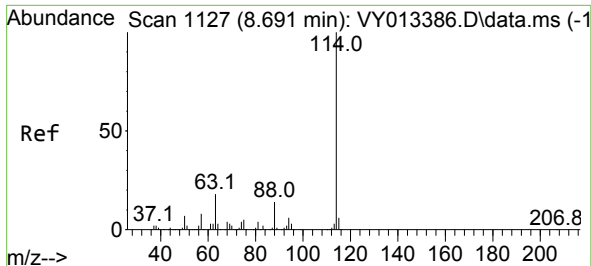
Tgt Ion: 56 Resp: 3709
Ion Ratio Lower Upper
56 100
69 162.5 29.2 43.8#
84 102.9 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 66.500 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013444.D
Acq: 25 Apr 2023 14:19

Tgt Ion: 65 Resp: 123099
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.4

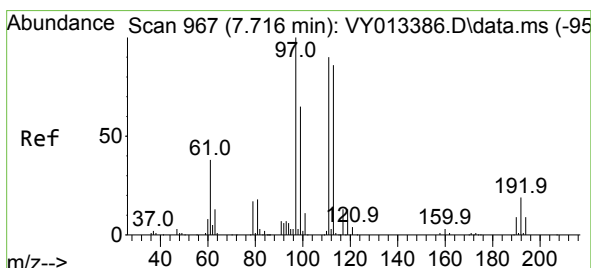
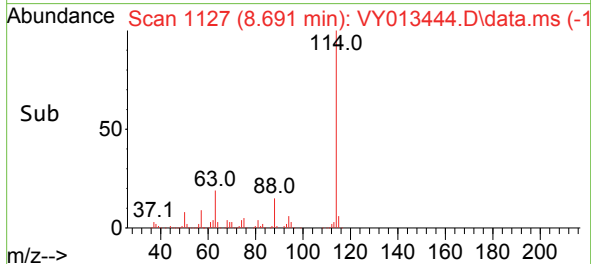
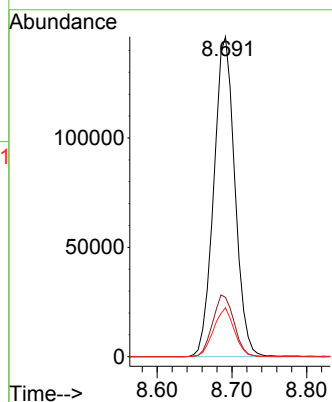
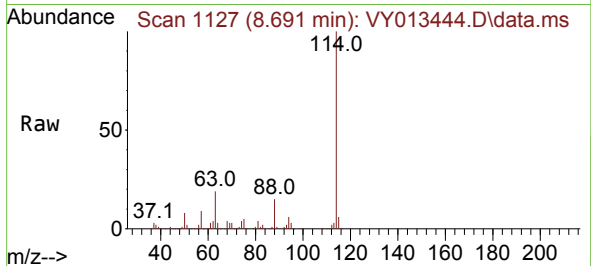




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013444.D
Acq: 25 Apr 2023 14:19

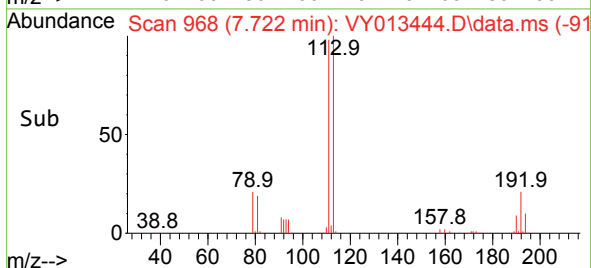
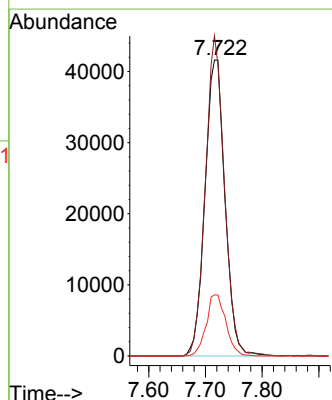
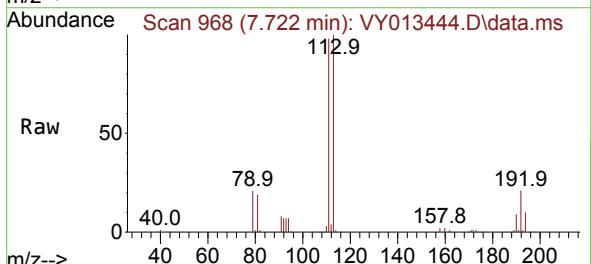
Instrument :
MSVOA_Y
ClientSampleId :
MH-91

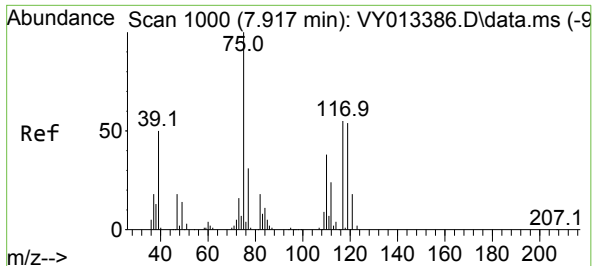
Tgt Ion:114	Resp: 286256
Ion Ratio	Lower Upper
114 100	
63 18.6	0.0 36.6
88 15.3	0.0 28.8



#35
Dibromofluoromethane
Concen: 56.716 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY013444.D
Acq: 25 Apr 2023 14:19

Tgt Ion:113	Resp: 102113		
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.2	123.2
192	20.2	16.7	25.1





#36

1,1-Dichloropropene

Concen: 4.407 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013444.D

Acq: 25 Apr 2023 14:19

Instrument :

MSVOA_Y

ClientSampleId :

MH-91

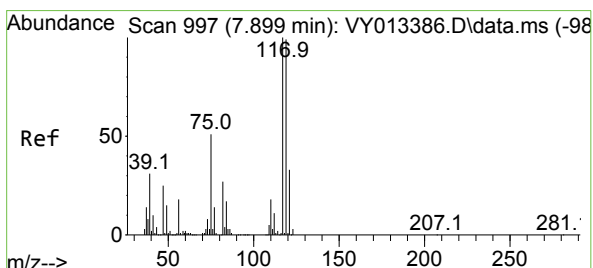
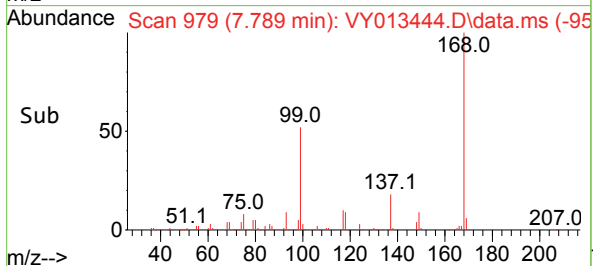
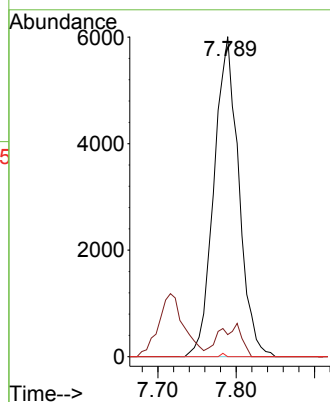
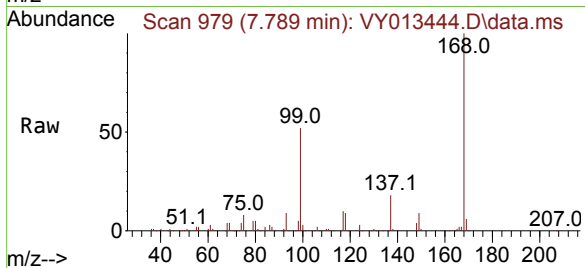
Tgt Ion: 75 Resp: 13167

Ion Ratio Lower Upper

75 100

110 3.4 18.7 56.1#

77 0.2 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.167 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013444.D

Acq: 25 Apr 2023 14:19

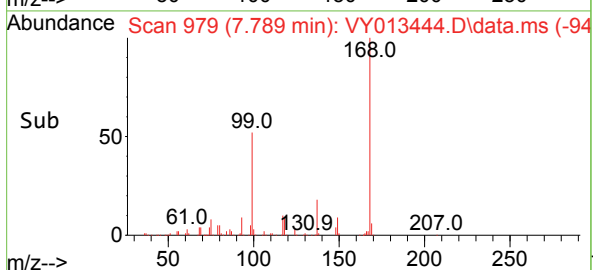
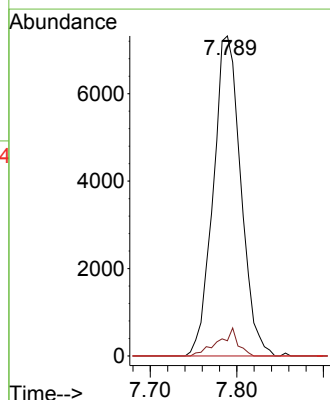
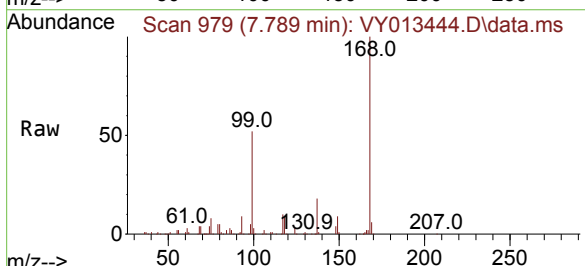
Tgt Ion: 117 Resp: 16183

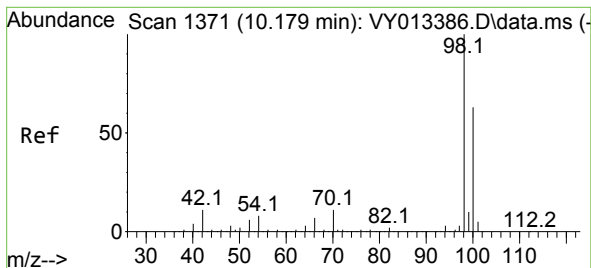
Ion Ratio Lower Upper

117 100

119 4.8 79.0 118.6#

121 0.0 26.6 40.0#





#50

Toluene-d8

Concen: 54.852 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013444.D

Acq: 25 Apr 2023 14:19

Instrument :

MSVOA_Y

ClientSampleId :

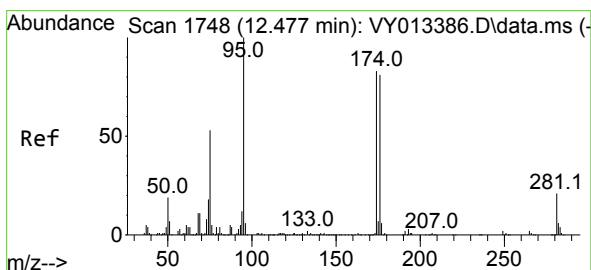
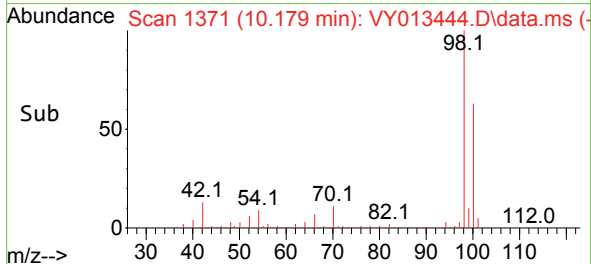
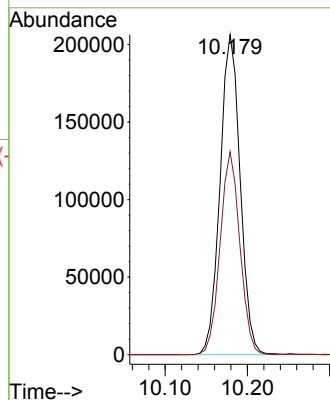
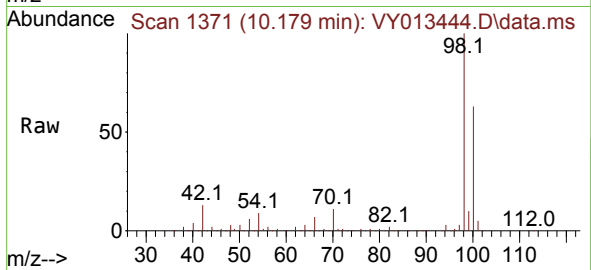
MH-91

Tgt Ion: 98 Resp: 351319

Ion Ratio Lower Upper

98 100

100 62.2 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 50.968 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY013444.D

Acq: 25 Apr 2023 14:19

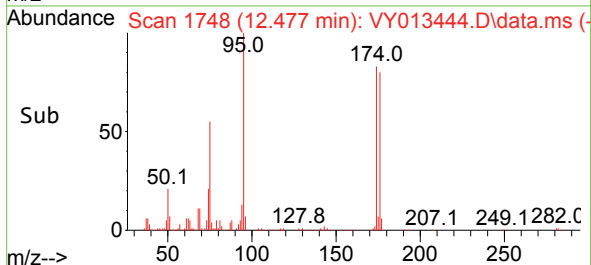
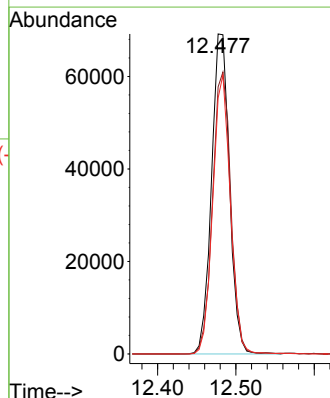
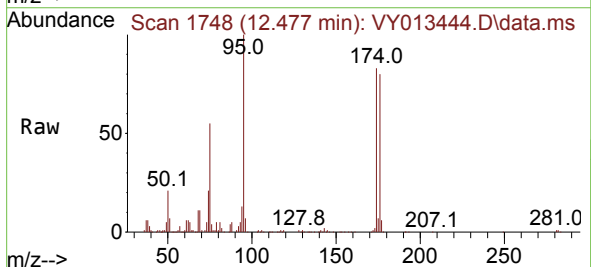
Tgt Ion: 95 Resp: 110052

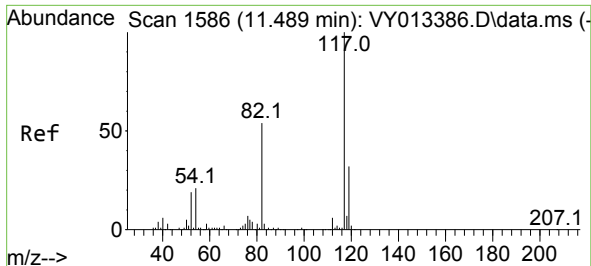
Ion Ratio Lower Upper

95 100

174 89.5 0.0 182.0

176 85.3 0.0 175.4

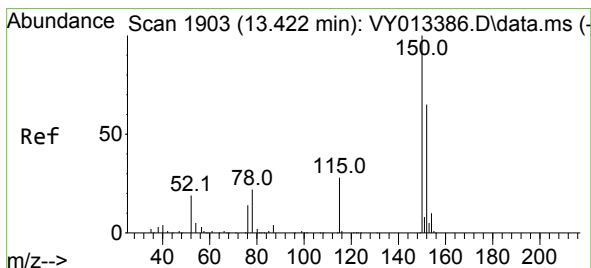
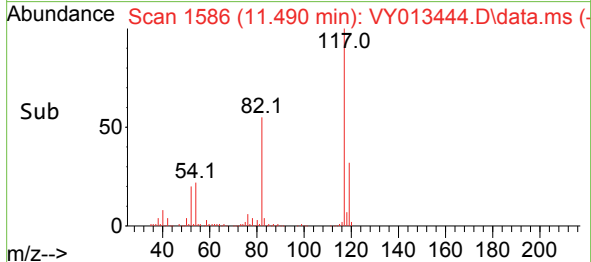
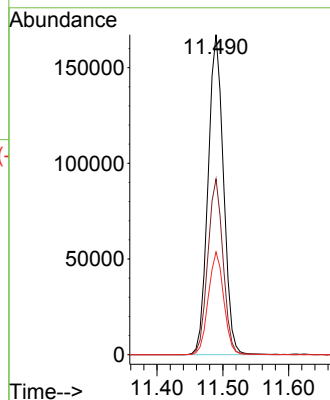
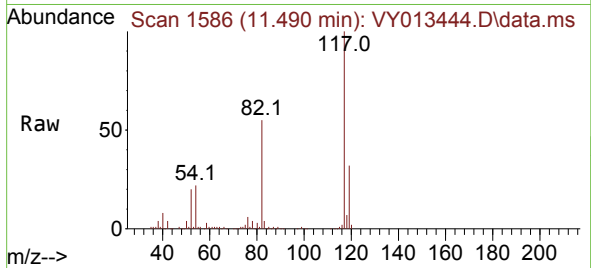




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY013444.D
Acq: 25 Apr 2023 14:19

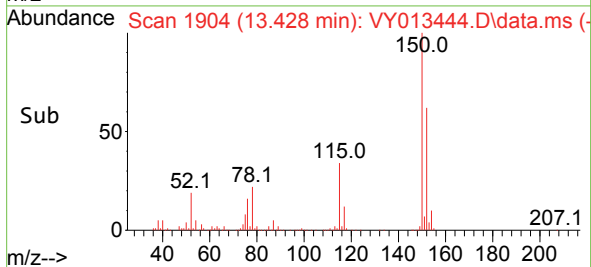
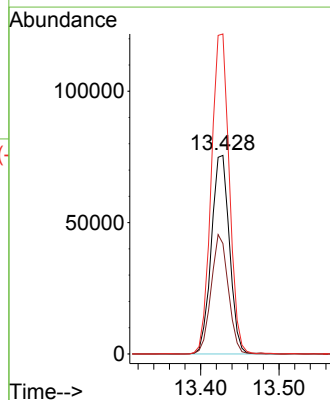
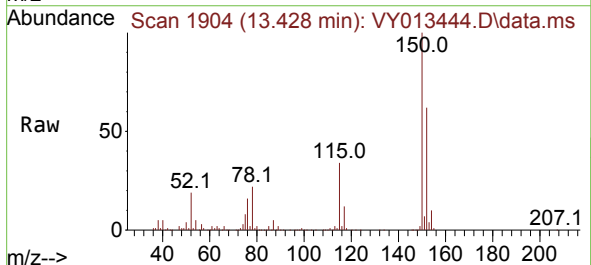
Instrument :
MSVOA_Y
ClientSampleId :
MH-91

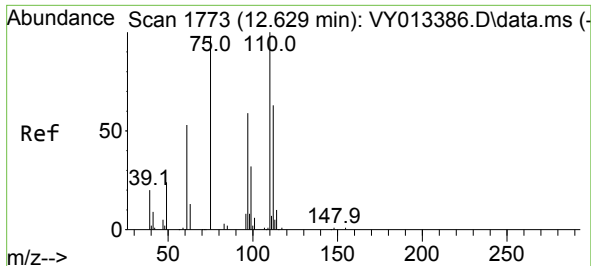
Tgt Ion:117 Resp: 273585
Ion Ratio Lower Upper
117 100
82 54.9 43.0 64.6
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013444.D
Acq: 25 Apr 2023 14:19

Tgt Ion:152 Resp: 121405
Ion Ratio Lower Upper
152 100
115 57.0 28.1 84.2
150 160.3 0.0 352.0

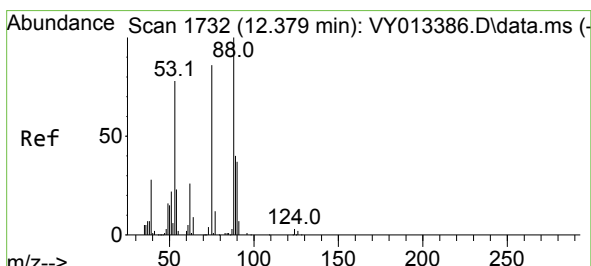
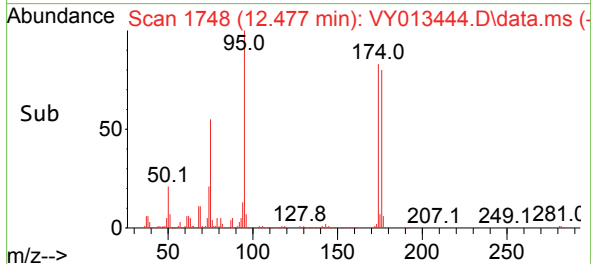
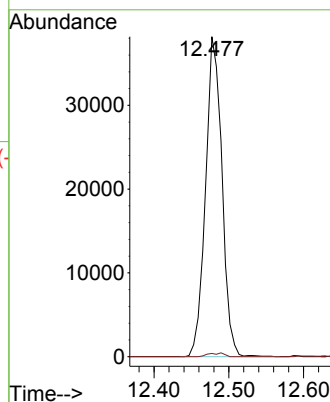
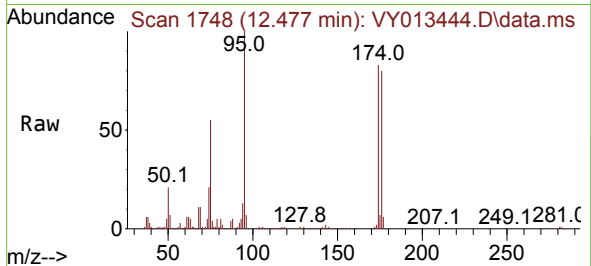




#76
1,2,3-Trichloropropane
Concen: 35.603 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY013444.D
Acq: 25 Apr 2023 14:19

Instrument :
MSVOA_Y
ClientSampleId :
MH-91

Tgt Ion: 75 Resp: 58292
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.827 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013444.D
Acq: 25 Apr 2023 14:19

Tgt Ion: 75 Resp: 58292
Ion Ratio Lower Upper
75 100
53 0.3 73.2 109.8#
89 0.0 38.0 57.0#

