

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011323\
 Data File : VY012187.D
 Acq On : 13 Jan 2023 12:49
 Operator : KP/MD
 Sample : 01140-04
 Misc : 4.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-5

Quant Time: Jan 16 08:18:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

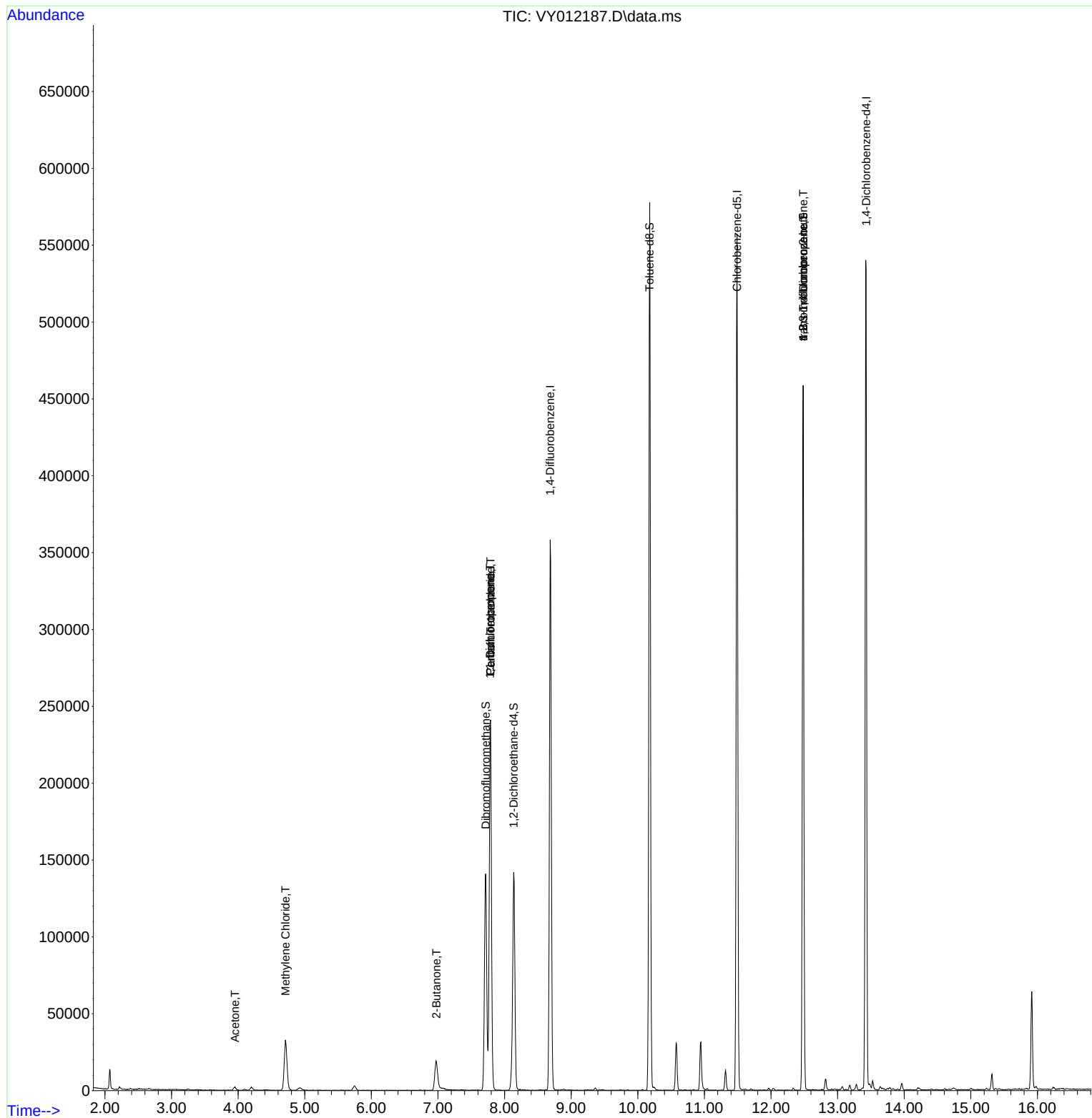
Internal Standards						
1) Pentafluorobenzene	7.789	168	192444	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	317707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	308650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	148633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112440	51.997	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.000%	
35) Dibromofluoromethane	7.716	113	96665	46.290	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.580%	
50) Toluene-d8	10.179	98	379948	46.097	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.200%	
62) 4-Bromofluorobenzene	12.483	95	130045	45.138	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.280%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	61	Below Cal	#	41
3) Chloromethane	2.107	50	319	Below Cal	#	41
5) Bromomethane	2.662	94	328	Below Cal	#	43
11) Tert butyl alcohol	4.936	59	2083	Below Cal	#	74
16) Acetone	3.954	43	3650	7.175	ug/l	90
20) Methylene Chloride	4.710	84	25077	6.515	ug/l	90
25) 2-Butanone	6.978	43	2784	4.148	ug/l #	83
31) Cyclohexane	7.783	56	3532	Below Cal	#	11
36) 1,1-Dichloropropene	7.783	75	13132	4.145	ug/l #	51
38) Carbon Tetrachloride	7.789	117	19353	4.813	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	68046	40.096	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	68046	89.046	ug/l #	13

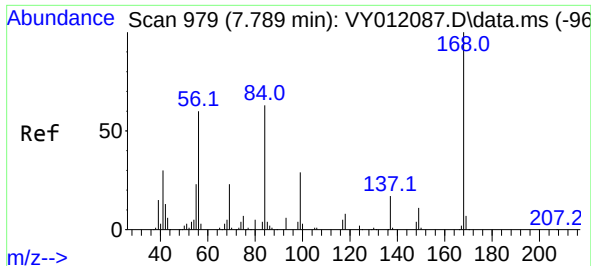
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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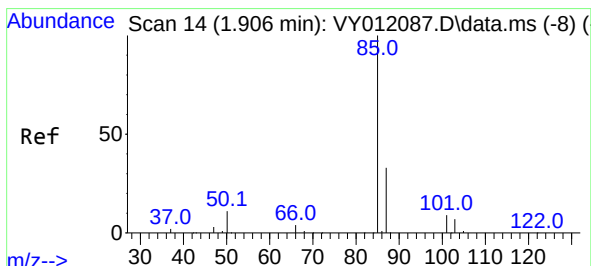
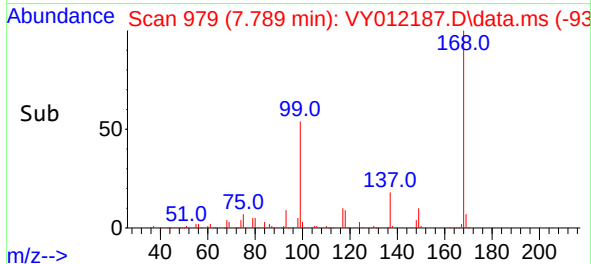
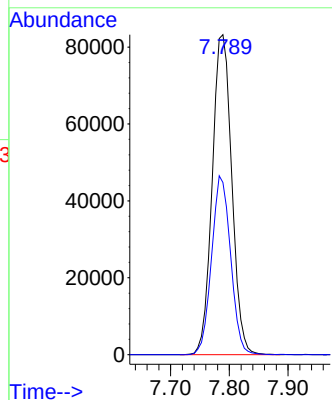
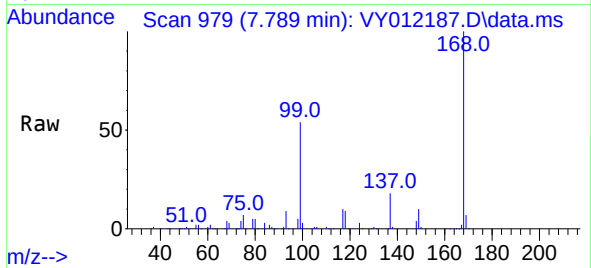




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012187.D
Acq: 13 Jan 2023 12:49

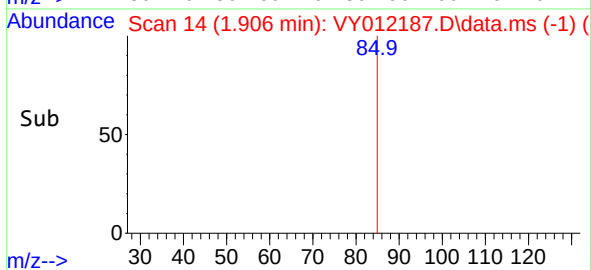
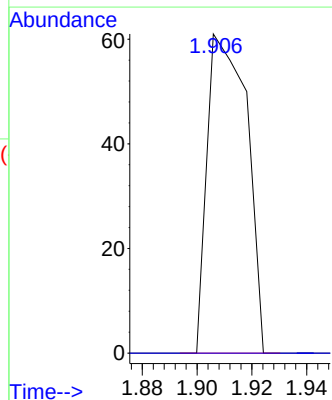
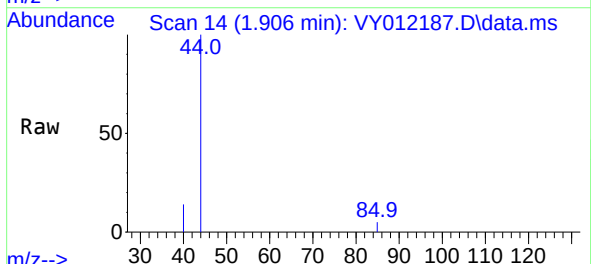
Instrument :
MSVOA_Y
ClientSampleId :
MH-5

Tgt Ion:168 Resp: 192444
Ion Ratio Lower Upper
168 100
99 53.8 44.0 66.0

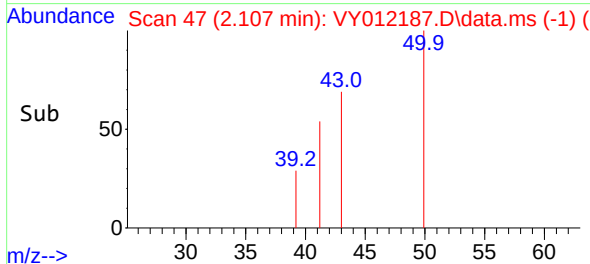
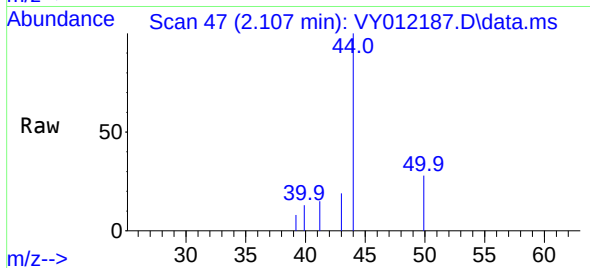
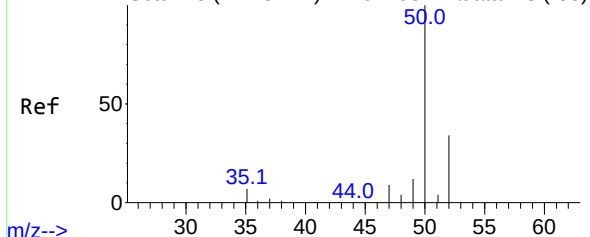


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012187.D
Acq: 13 Jan 2023 12:49

Tgt Ion: 85 Resp: 61
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



Abundance Scan 48 (2.113 min): VY012087.D\data.ms (-38)



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY012187.D

Acq: 13 Jan 2023 12:49

Instrument :

MSVOA_Y

ClientSampleId :

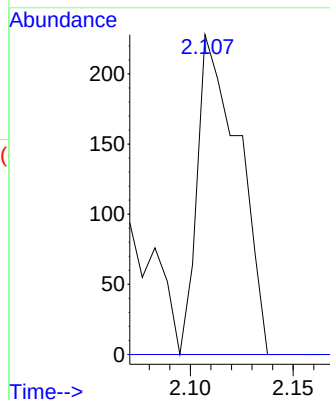
MH-5

Tgt Ion: 50 Resp: 319

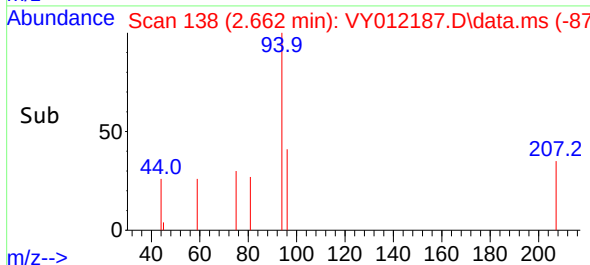
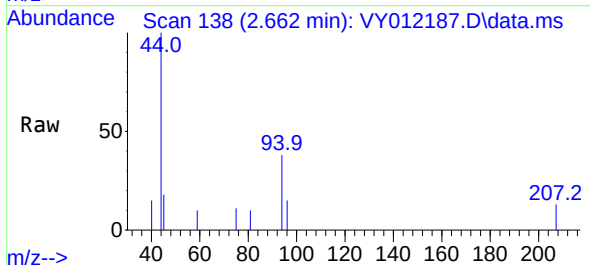
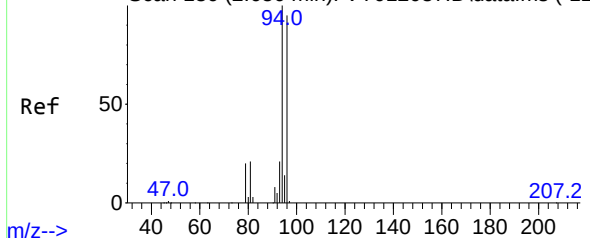
Ion Ratio Lower Upper

50 100

52 0.0 26.8 40.2#



Abundance Scan 136 (2.650 min): VY012087.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.662 min Scan# 138

Delta R.T. 0.012 min

Lab File: VY012187.D

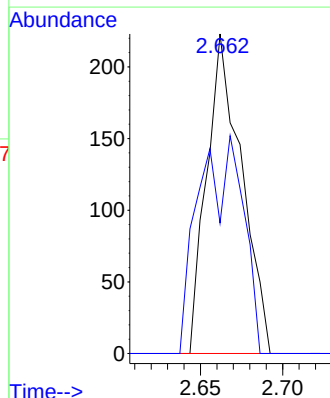
Acq: 13 Jan 2023 12:49

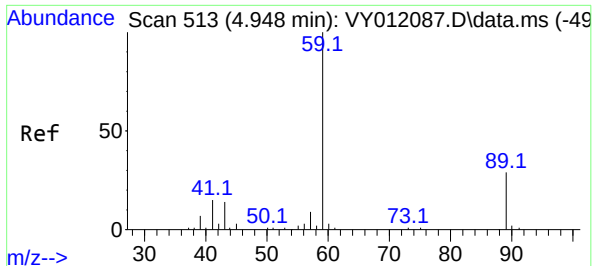
Tgt Ion: 94 Resp: 328

Ion Ratio Lower Upper

94 100

96 40.8 77.4 116.2#

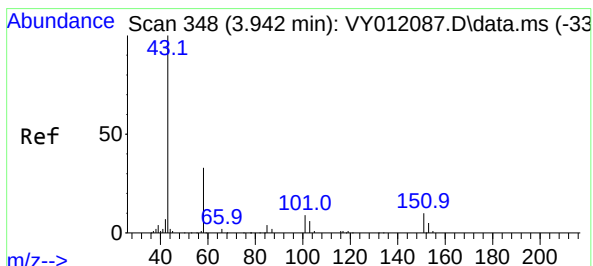
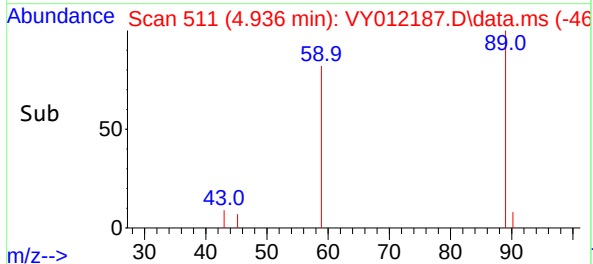
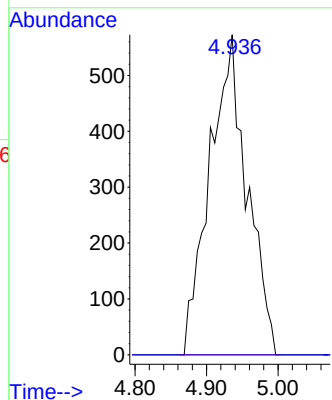
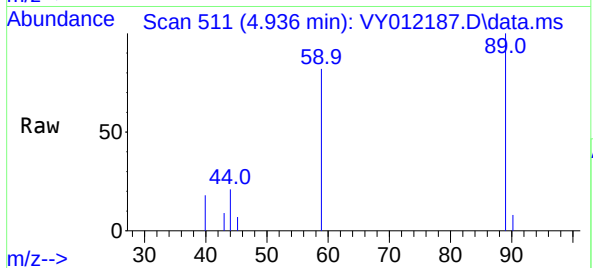




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012187.D
Acq: 13 Jan 2023 12:49

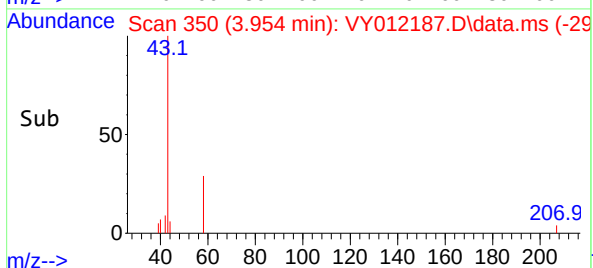
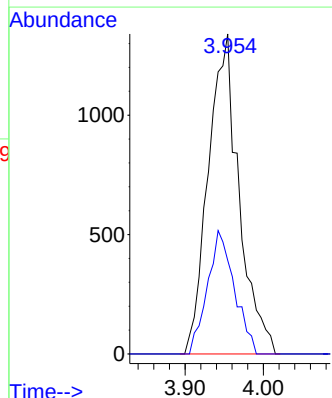
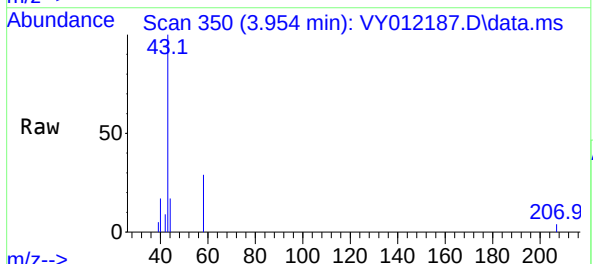
Instrument :
MSVOA_Y
ClientSampleId :
MH-5

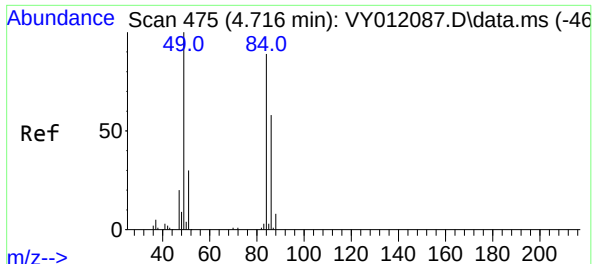
Tgt Ion: 59 Resp: 2083
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 7.175 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY012187.D
Acq: 13 Jan 2023 12:49

Tgt Ion: 43 Resp: 3650
Ion Ratio Lower Upper
43 100
58 29.3 27.9 41.9



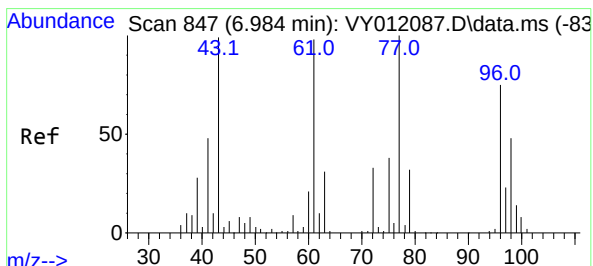
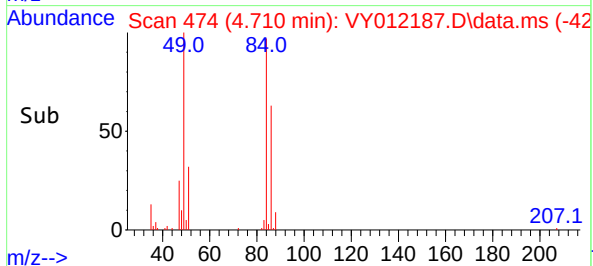
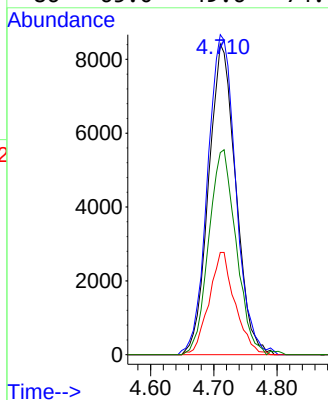
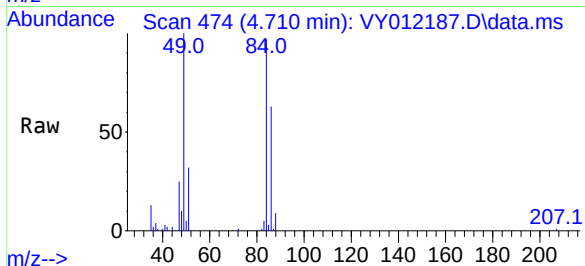


#20
Methylene Chloride
Concen: 6.515 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY012187.D
Acq: 13 Jan 2023 12:49

Instrument :
MSVOA_Y
ClientSampleId :
MH-5

Tgt Ion: 84 Resp: 25077

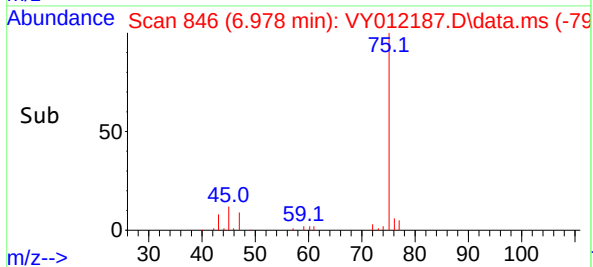
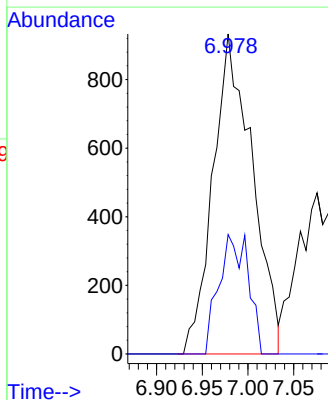
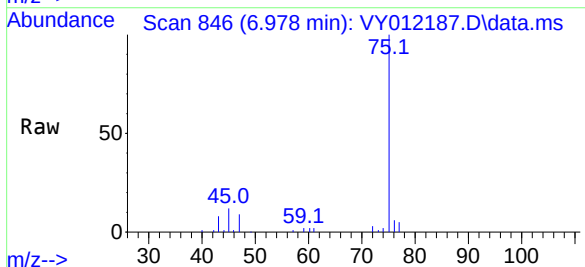
Ion	Ratio	Lower	Upper
84	100		
49	103.0	95.4	143.2
51	32.9	29.9	44.9
86	65.0	49.6	74.4

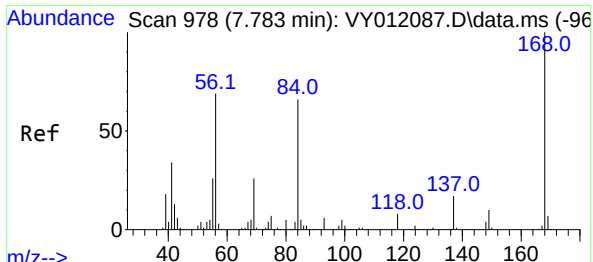


#25
2-Butanone
Concen: 4.148 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY012187.D
Acq: 13 Jan 2023 12:49

Tgt Ion: 43 Resp: 2784

Ion	Ratio	Lower	Upper
43	100		
72	37.3	22.6	34.0#

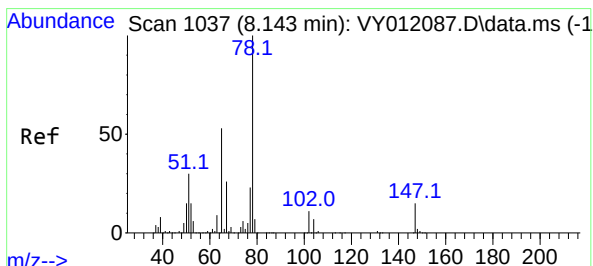
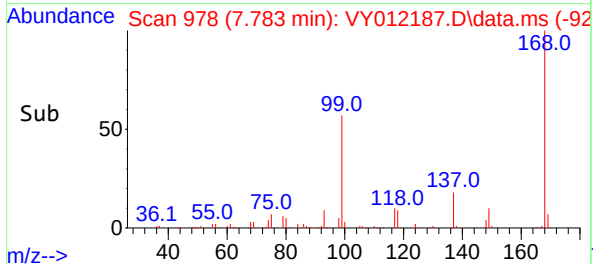
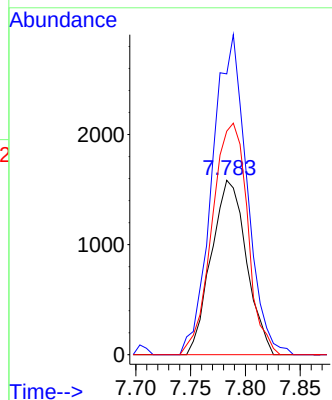
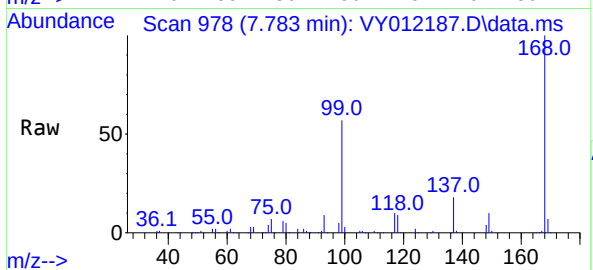




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012187.D
Acq: 13 Jan 2023 12:49

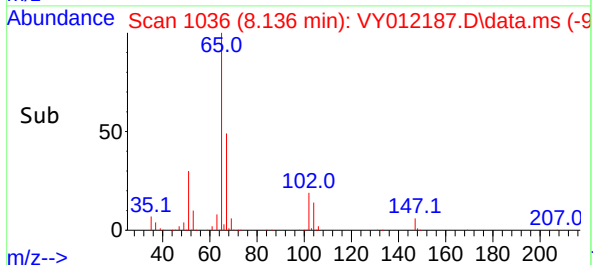
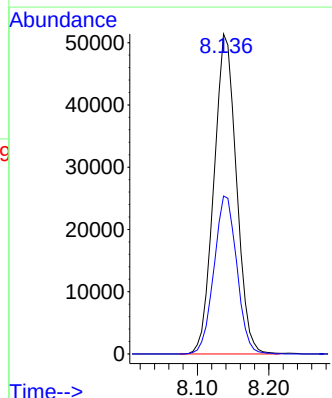
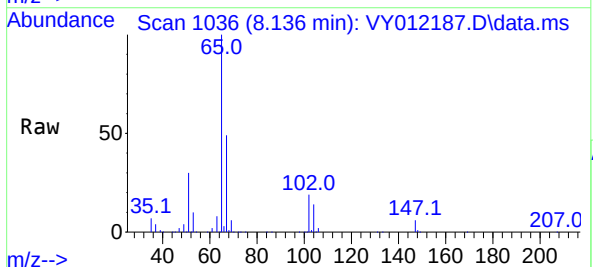
Instrument :
MSVOA_Y
ClientSampleId :
MH-5

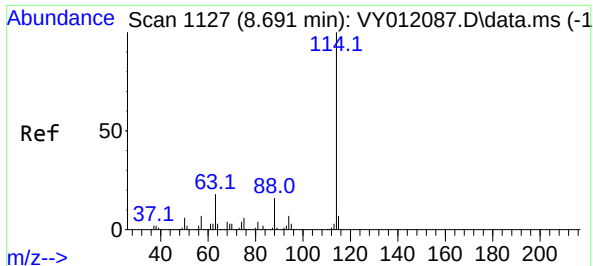
Tgt Ion: 56 Resp: 3532
Ion Ratio Lower Upper
56 100
69 160.9 29.2 43.8#
84 128.1 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 51.997 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY012187.D
Acq: 13 Jan 2023 12:49

Tgt Ion: 65 Resp: 112440
Ion Ratio Lower Upper
65 100
67 50.1 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012187.D

Acq: 13 Jan 2023 12:49

Instrument :

MSVOA_Y

ClientSampleId :

MH-5

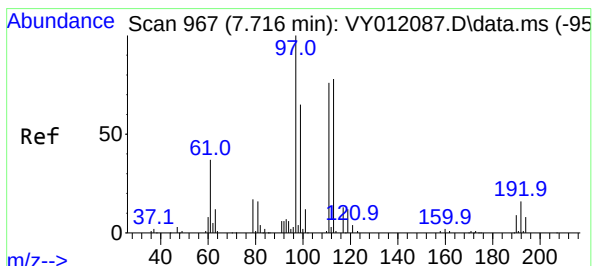
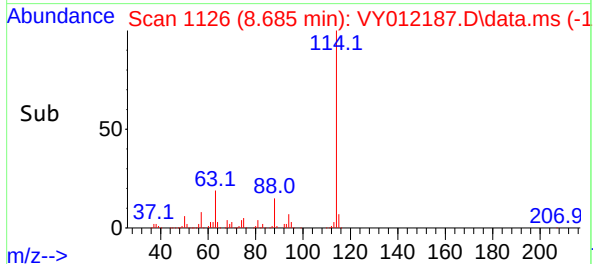
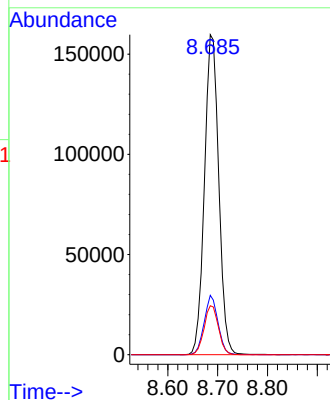
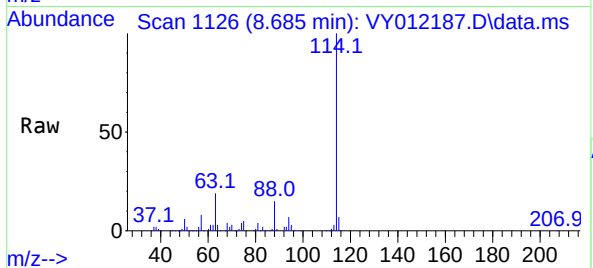
Tgt Ion:114 Resp: 317707

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

88 15.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.290 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012187.D

Acq: 13 Jan 2023 12:49

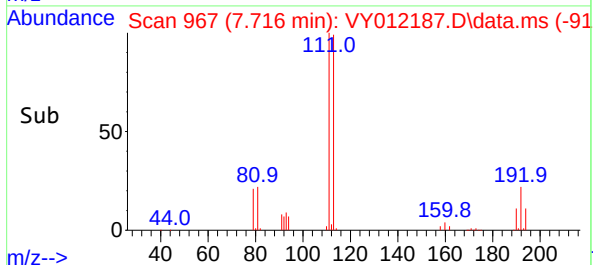
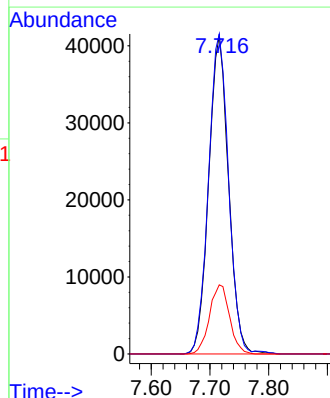
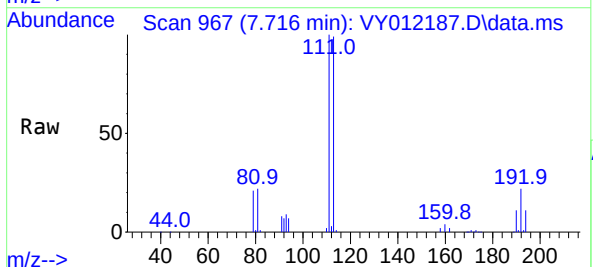
Tgt Ion:113 Resp: 96665

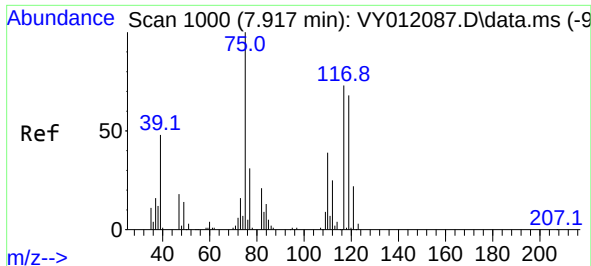
Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.4

192 22.0 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.145 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012187.D

Acq: 13 Jan 2023 12:49

Instrument :

MSVOA_Y

ClientSampleId :

MH-5

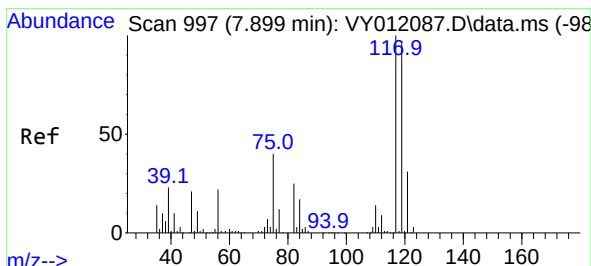
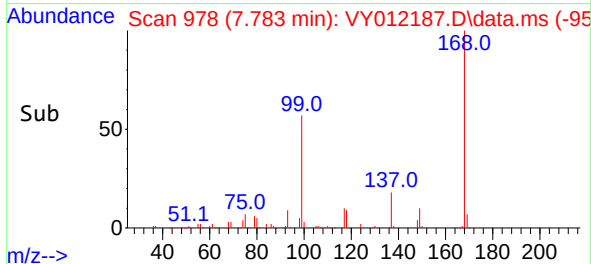
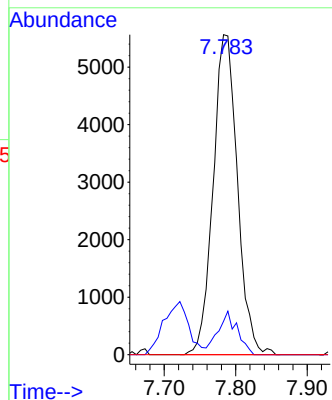
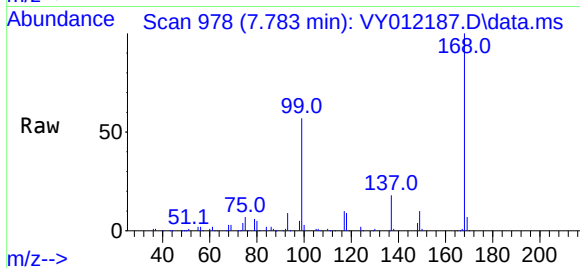
Tgt Ion: 75 Resp: 13132

Ion Ratio Lower Upper

75 100

110 10.7 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.813 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012187.D

Acq: 13 Jan 2023 12:49

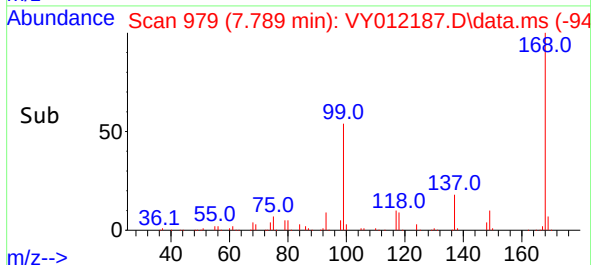
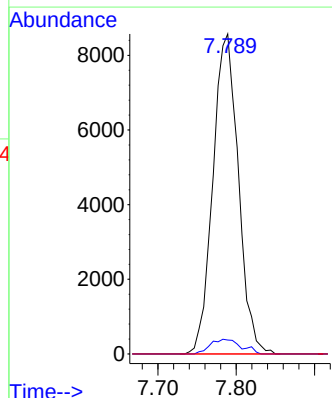
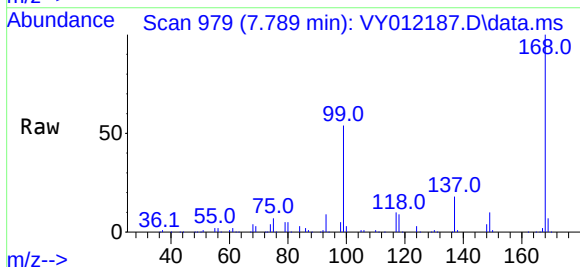
Tgt Ion: 117 Resp: 19353

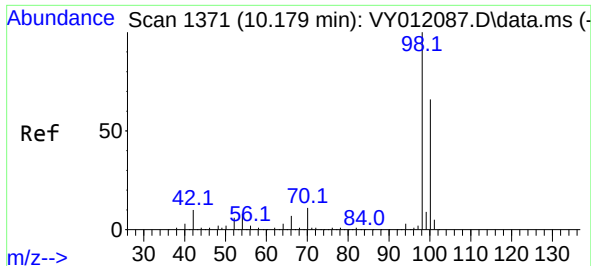
Ion Ratio Lower Upper

117 100

119 4.4 73.8 110.8#

121 0.0 25.2 37.8#

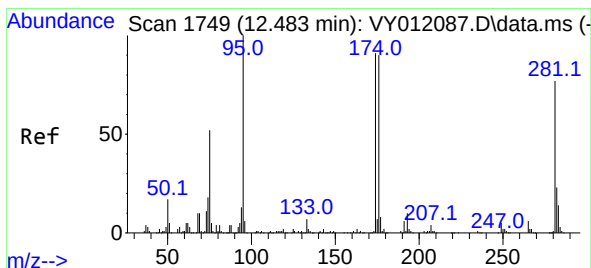
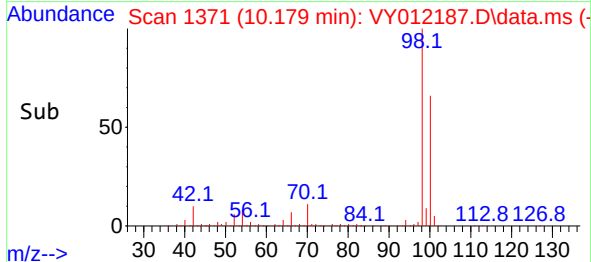
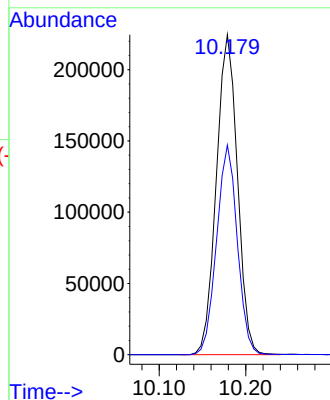
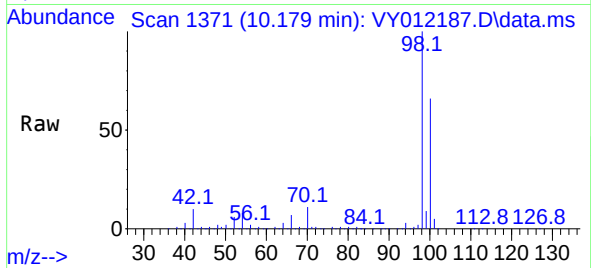




#50
Toluene-d8
Concen: 46.097 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012187.D
Acq: 13 Jan 2023 12:49

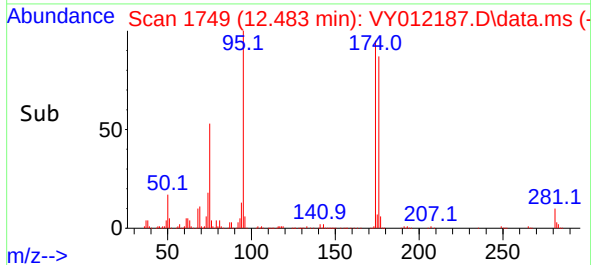
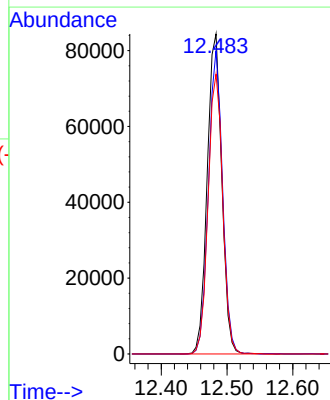
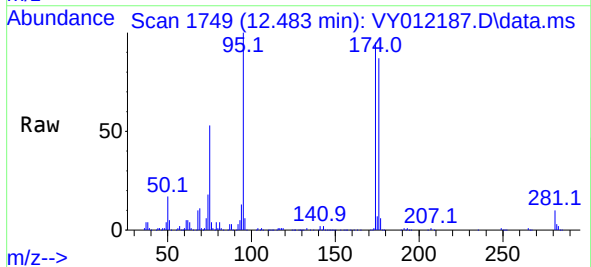
Instrument :
MSVOA_Y
ClientSampleId :
MH-5

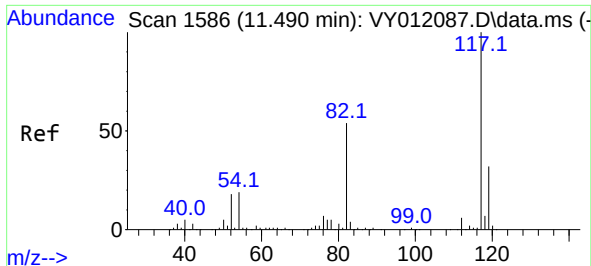
Tgt Ion: 98 Resp: 379948
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 45.138 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012187.D
Acq: 13 Jan 2023 12:49

Tgt Ion: 95 Resp: 130045
Ion Ratio Lower Upper
95 100
174 92.3 0.0 172.0
176 87.8 0.0 167.6

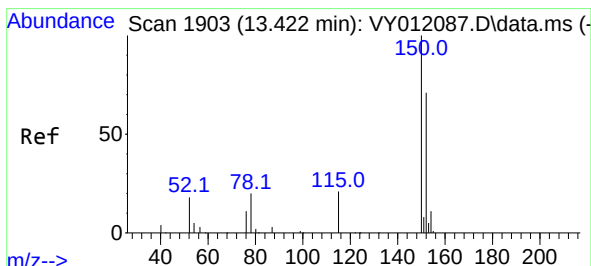
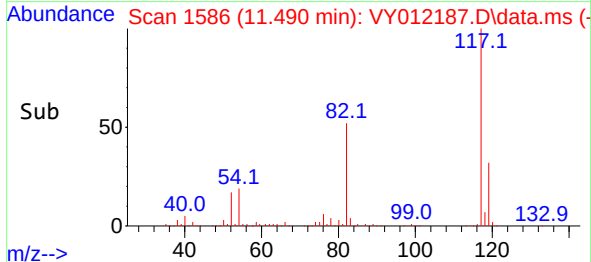
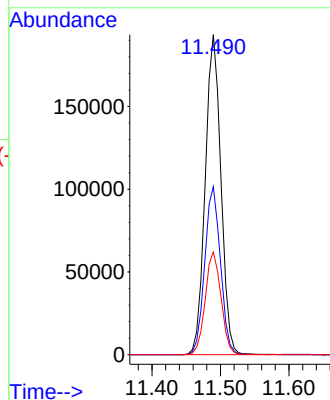
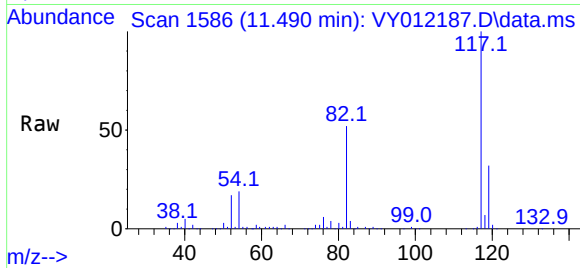




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012187.D
Acq: 13 Jan 2023 12:49

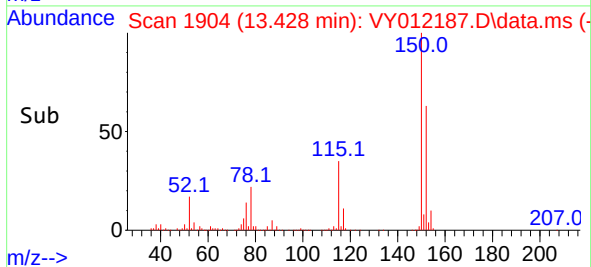
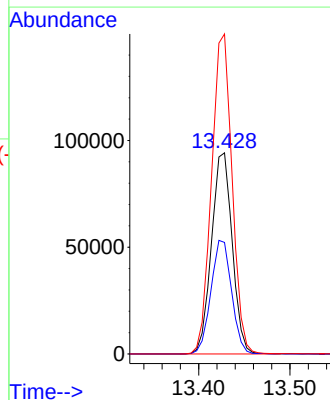
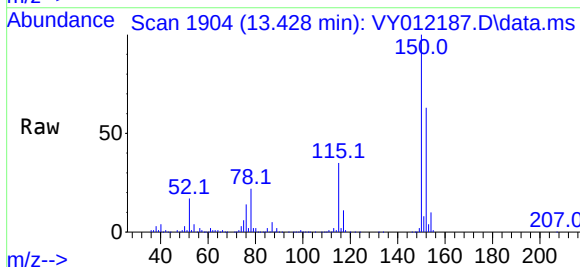
Instrument :
MSVOA_Y
ClientSampleId :
MH-5

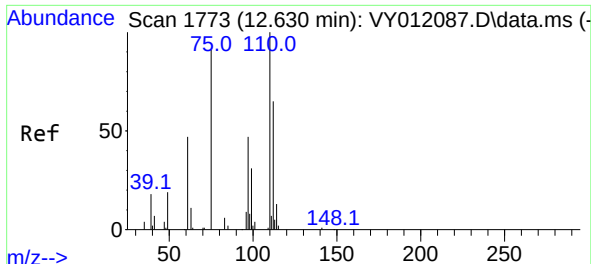
Tgt Ion:117 Resp: 308650
Ion Ratio Lower Upper
117 100
82 52.5 44.8 67.2
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012187.D
Acq: 13 Jan 2023 12:49

Tgt Ion:152 Resp: 148633
Ion Ratio Lower Upper
152 100
115 56.5 29.1 87.3
150 157.8 0.0 342.6

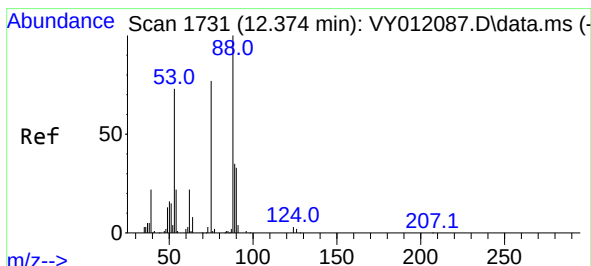
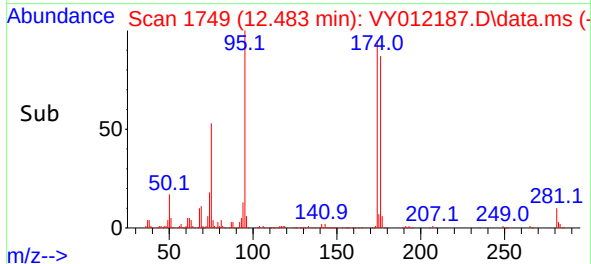
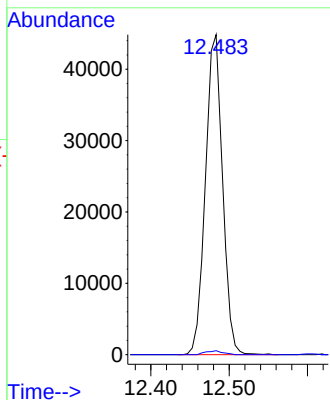
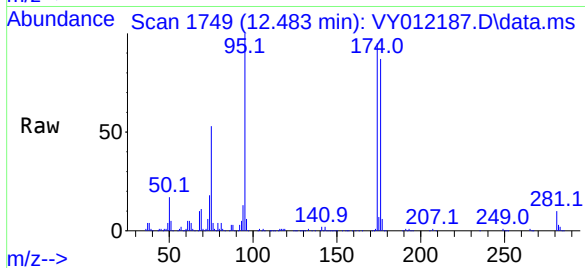




#76
1,2,3-Trichloropropane
Concen: 40.096 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012187.D
Acq: 13 Jan 2023 12:49

Instrument :
MSVOA_Y
ClientSampleId :
MH-5

Tgt Ion: 75 Resp: 68046
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.046 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012187.D
Acq: 13 Jan 2023 12:49

Tgt Ion: 75 Resp: 68046
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#

