

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011123\
 Data File : VY012161.D
 Acq On : 11 Jan 2023 14:25
 Operator : KP/MD
 Sample : 01106-01
 Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-3

Quant Time: Jan 12 05:49:58 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)

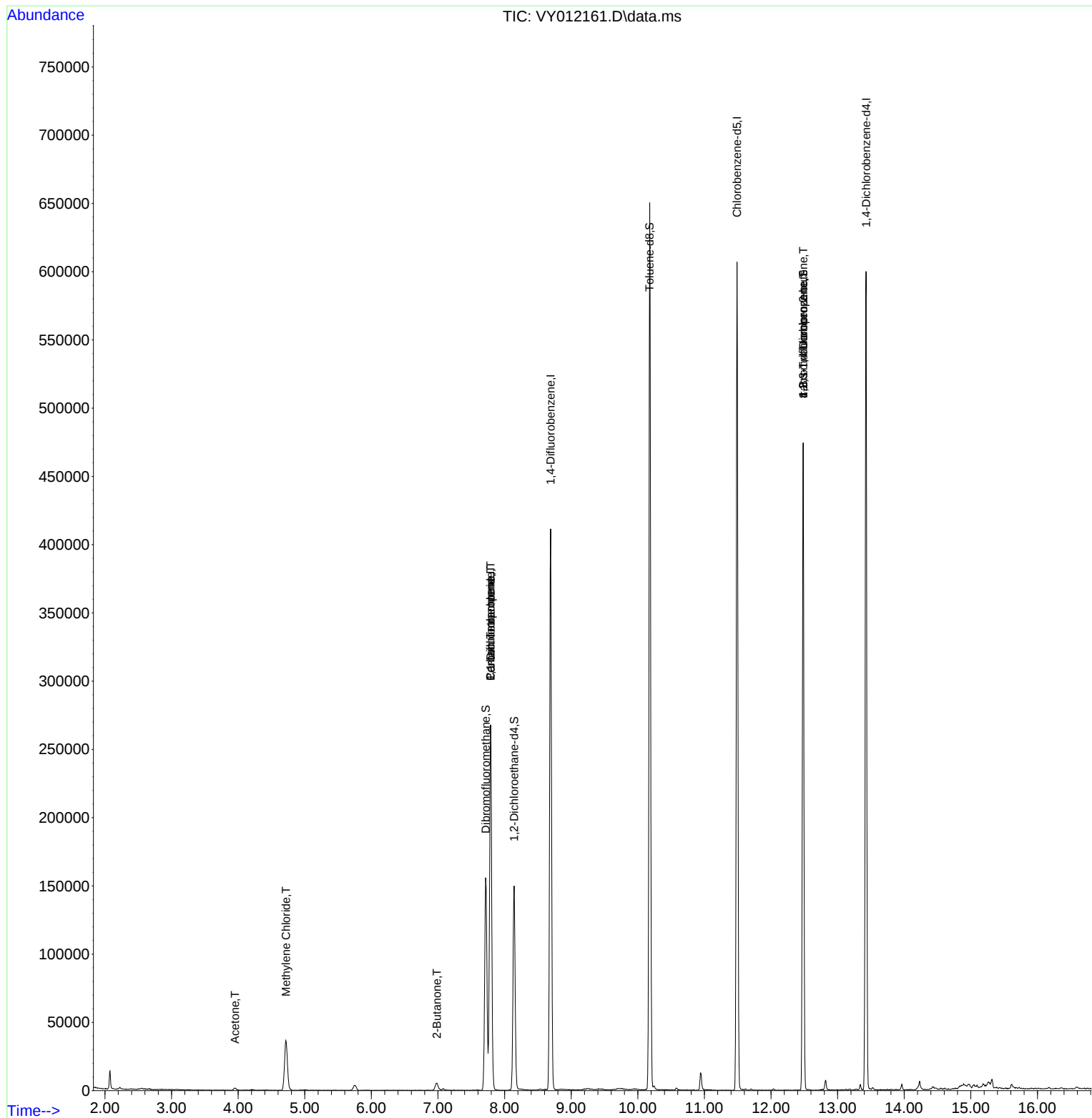
Internal Standards						
1) Pentafluorobenzene	7.789	168	212491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	361261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	344266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	161664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	120746	50.570	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.140%			
35) Dibromofluoromethane	7.716	113	109110	45.951	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.900%			
50) Toluene-d8	10.179	98	427238	45.585	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.180%			
62) 4-Bromofluorobenzene	12.483	95	144303	44.048	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	131	Below Cal	#	41
3) Chloromethane	2.119	50	241	Below Cal	#	41
5) Bromomethane	2.656	94	146	Below Cal	#	45
11) Tert butyl alcohol	4.948	59	469	Below Cal	#	74
16) Acetone	3.954	43	3025	5.386	ug/l	95
20) Methylene Chloride	4.716	84	29903	7.572	ug/l	90
25) 2-Butanone	6.984	43	1550	2.092	ug/l #	48
31) Cyclohexane	7.789	56	3915	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	14610	4.056	ug/l #	50
38) Carbon Tetrachloride	7.789	117	20487	4.481	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	73032	39.565	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	73032	87.867	ug/l #	13

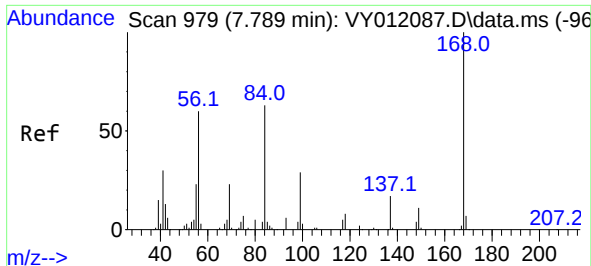
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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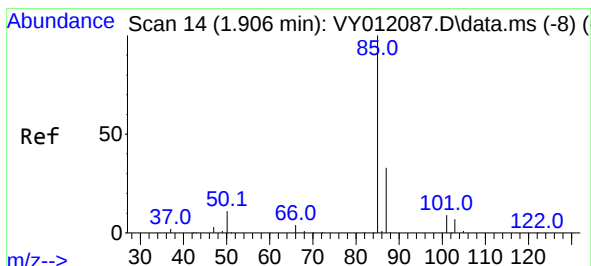
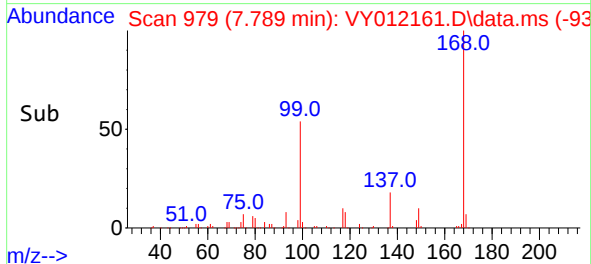
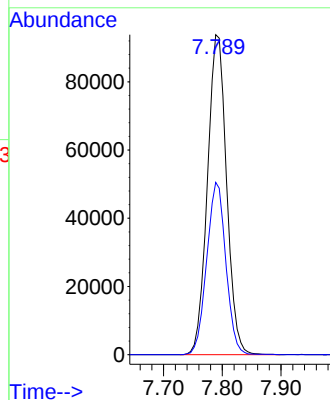
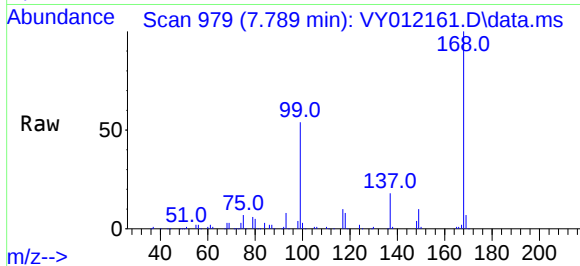




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

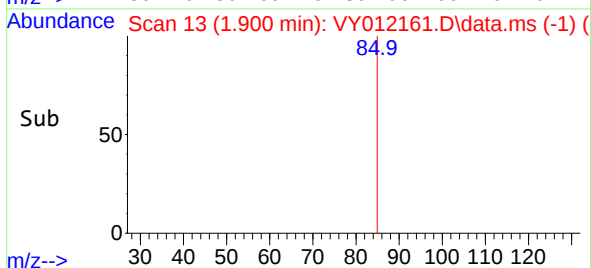
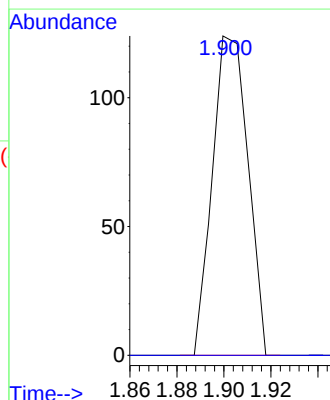
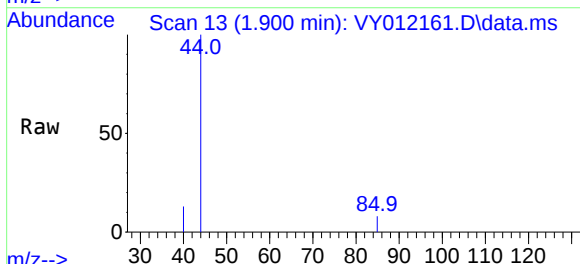
Instrument :
MSVOA_Y
ClientSampleId :
MH-3

Tgt Ion:168 Resp: 212491
Ion Ratio Lower Upper
168 100
99 53.9 44.0 66.0

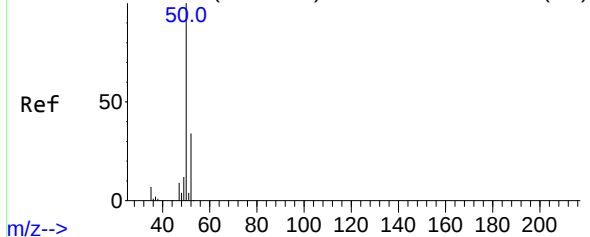


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

Tgt Ion: 85 Resp: 131
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: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY012161.D

Acq: 11 Jan 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

MH-3

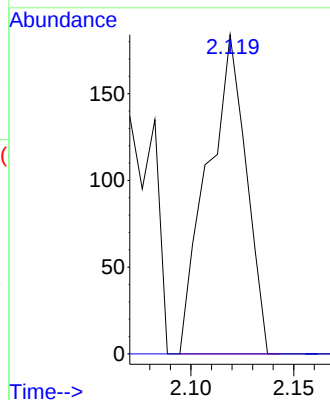
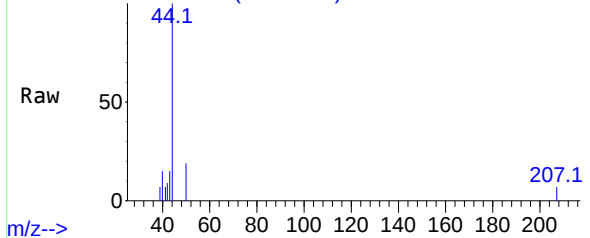
Tgt Ion: 50 Resp: 241

Ion Ratio Lower Upper

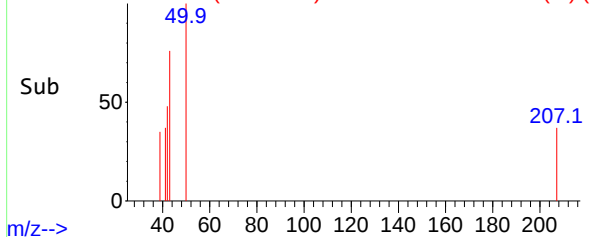
50 100

52 0.0 26.8 40.2#

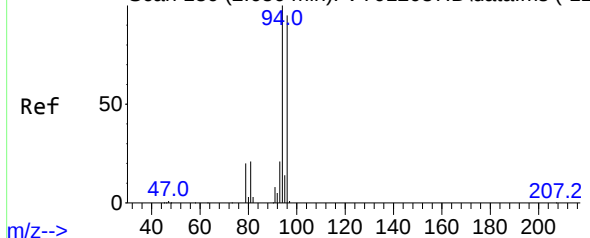
Abundance Scan 49 (2.119 min): VY012161.D\data.ms



Abundance Scan 49 (2.119 min): VY012161.D\data.ms (-1)



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



#5

Bromomethane

Concen: Below Cal

RT: 2.656 min Scan# 137

Delta R.T. 0.006 min

Lab File: VY012161.D

Acq: 11 Jan 2023 14:25

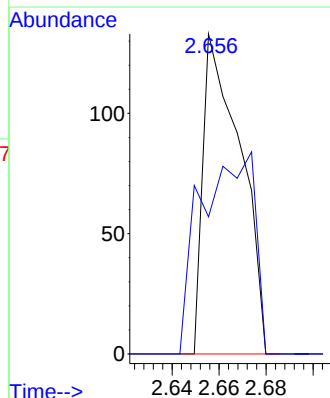
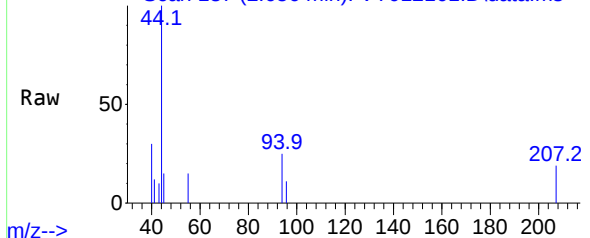
Tgt Ion: 94 Resp: 146

Ion Ratio Lower Upper

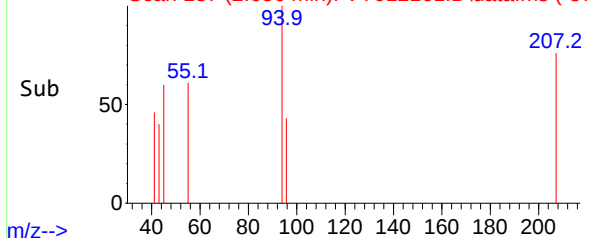
94 100

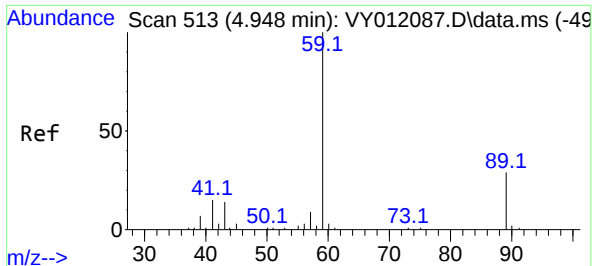
96 42.9 77.4 116.2#

Abundance Scan 137 (2.656 min): VY012161.D\data.ms



Abundance Scan 137 (2.656 min): VY012161.D\data.ms (-87)

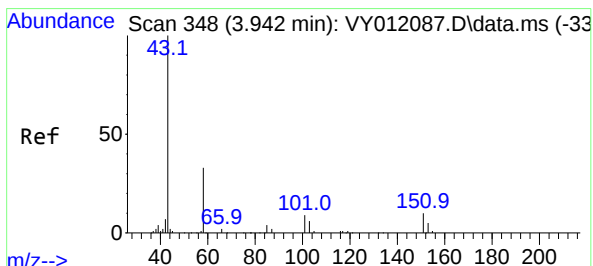
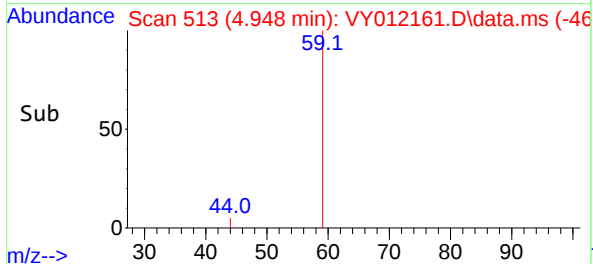
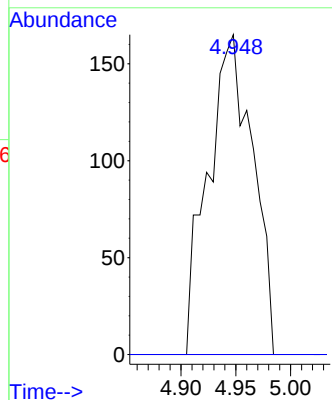
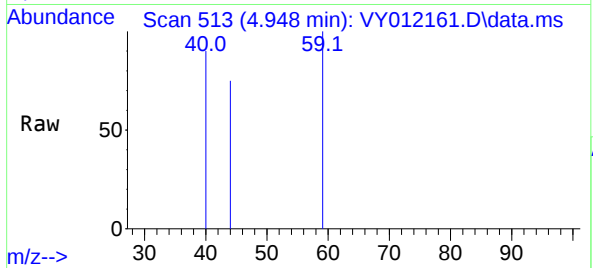




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

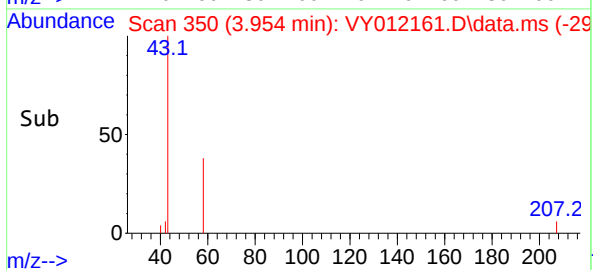
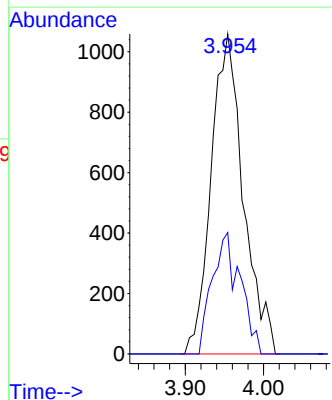
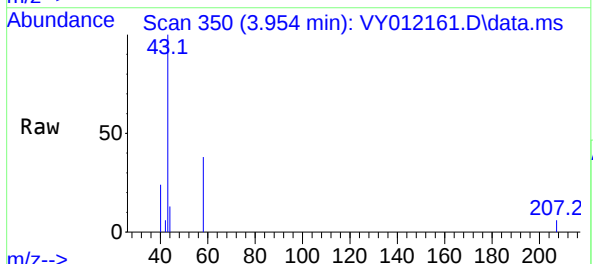
Instrument :
MSVOA_Y
ClientSampleId :
MH-3

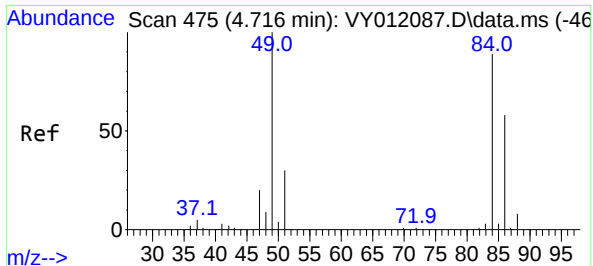
Tgt Ion: 59 Resp: 469
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 5.386 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

Tgt Ion: 43 Resp: 3025
Ion Ratio Lower Upper
43 100
58 38.0 27.9 41.9



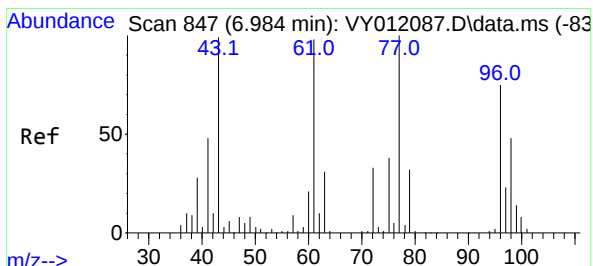
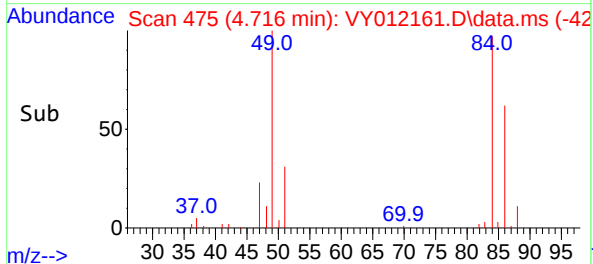
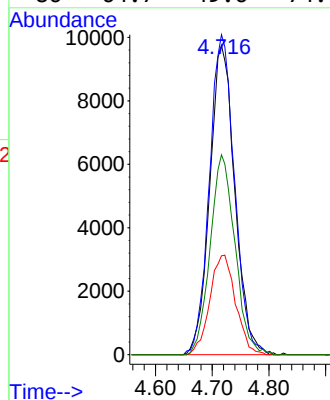
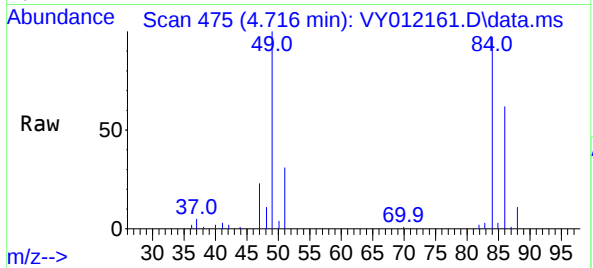


#20
Methylene Chloride
Concen: 7.572 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

Instrument :
MSVOA_Y
ClientSampleId :
MH-3

Tgt Ion: 84 Resp: 29903

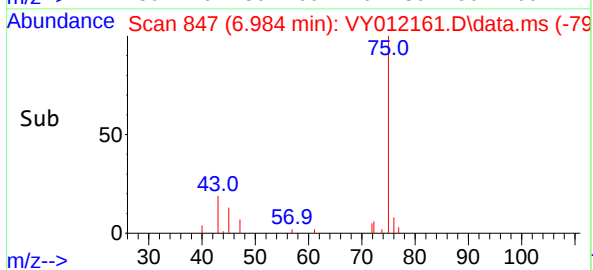
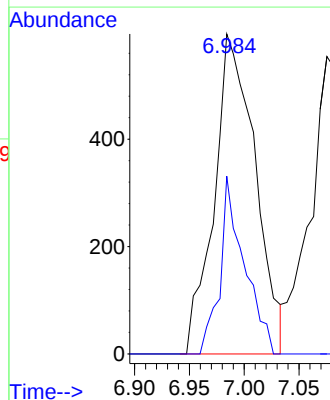
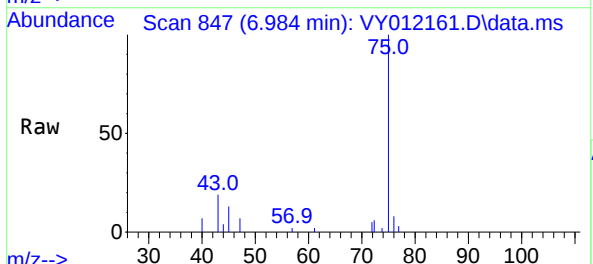
Ion	Ratio	Lower	Upper
84	100		
49	103.5	95.4	143.2
51	32.0	29.9	44.9
86	64.7	49.6	74.4

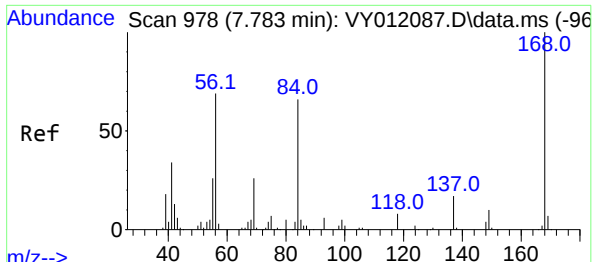


#25
2-Butanone
Concen: 2.092 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

Tgt Ion: 43 Resp: 1550

Ion	Ratio	Lower	Upper
43	100		
72	55.5	22.6	34.0#

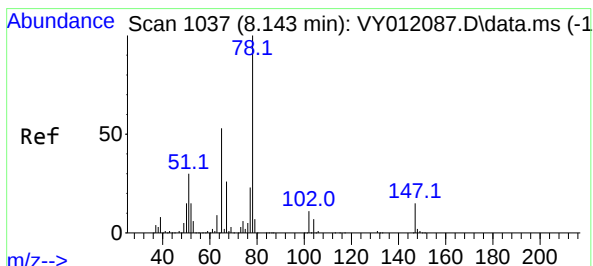
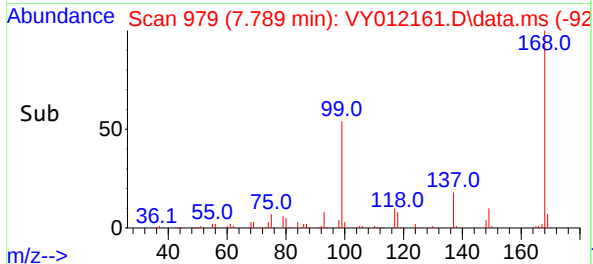
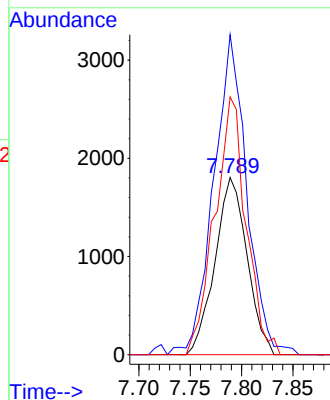
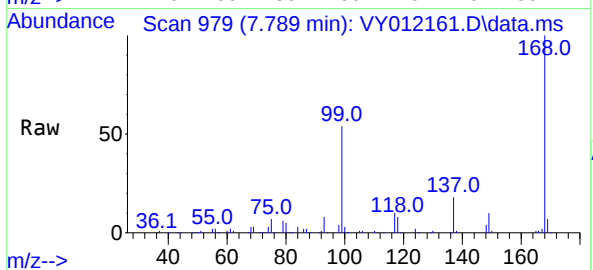




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

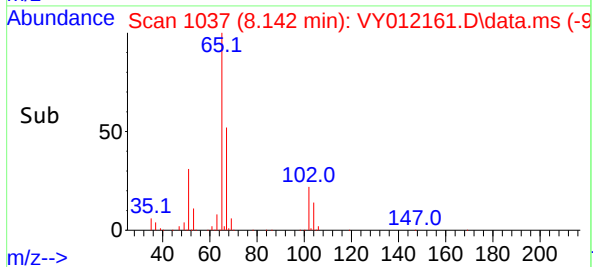
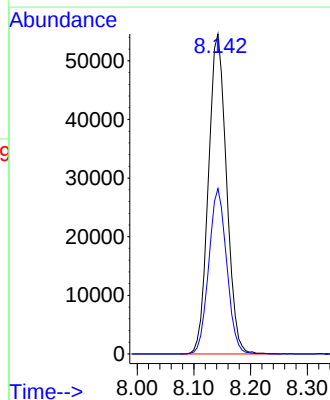
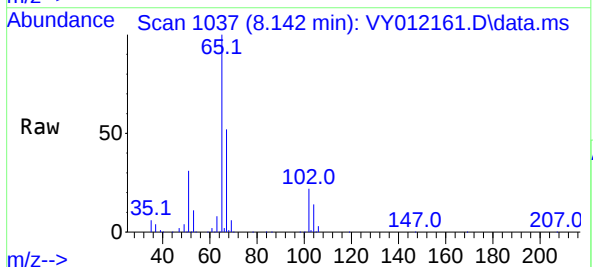
Instrument :
MSVOA_Y
ClientSampleId :
MH-3

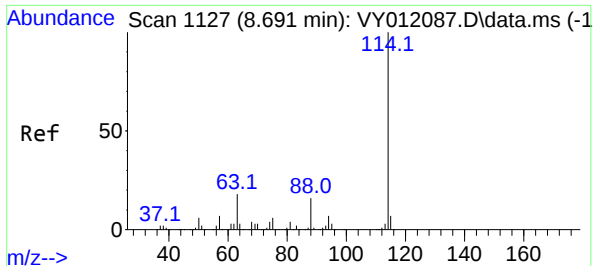
Tgt Ion: 56 Resp: 3915
Ion Ratio Lower Upper
56 100
69 176.6 29.2 43.8#
84 145.6 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 50.570 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

Tgt Ion: 65 Resp: 120746
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012161.D

Acq: 11 Jan 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

MH-3

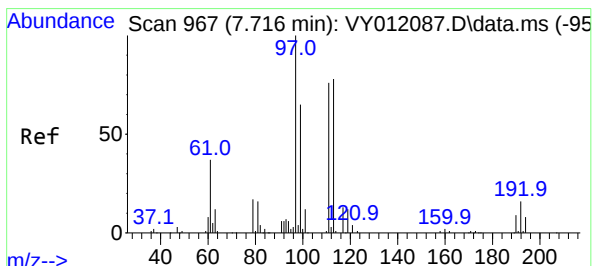
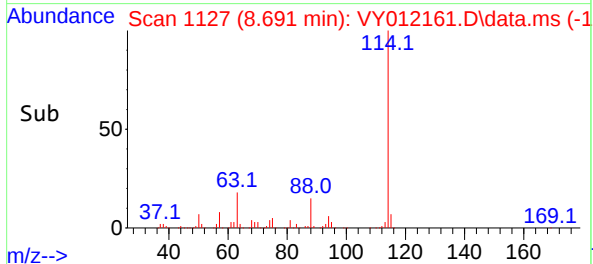
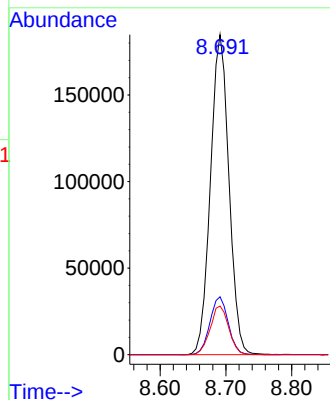
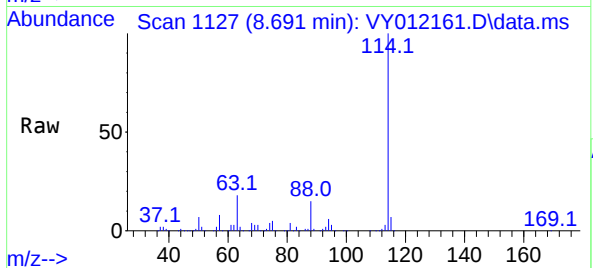
Tgt Ion:114 Resp: 361261

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.6

88 15.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 45.951 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012161.D

Acq: 11 Jan 2023 14:25

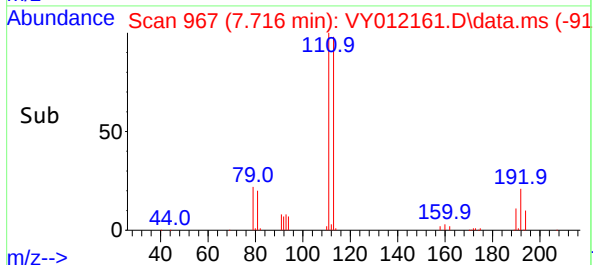
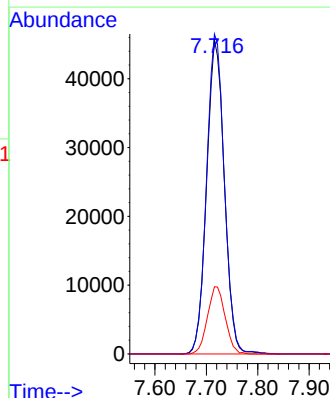
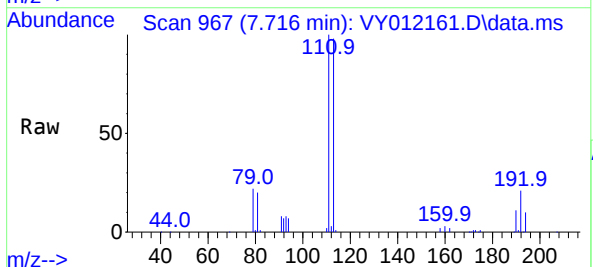
Tgt Ion:113 Resp: 109110

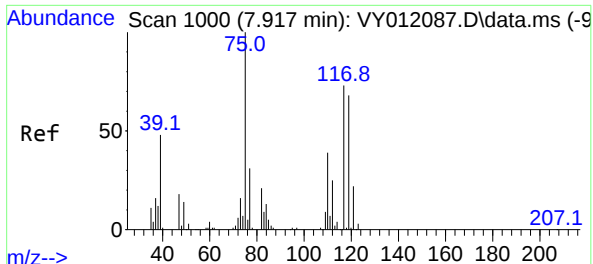
Ion Ratio Lower Upper

113 100

111 102.2 83.0 124.4

192 21.5 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.056 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012161.D

Acq: 11 Jan 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

MH-3

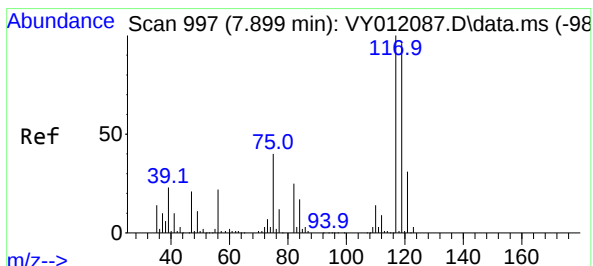
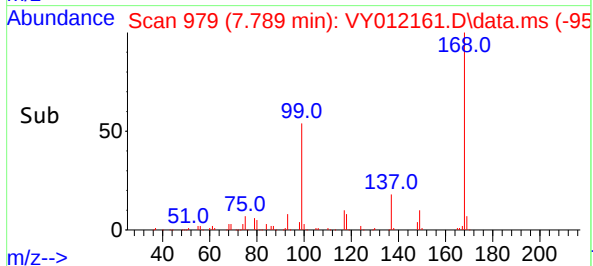
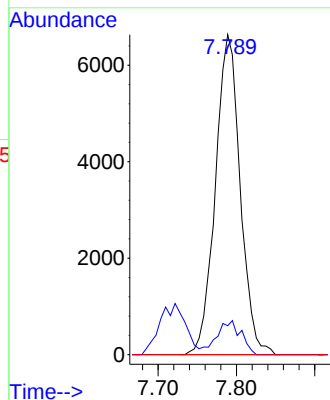
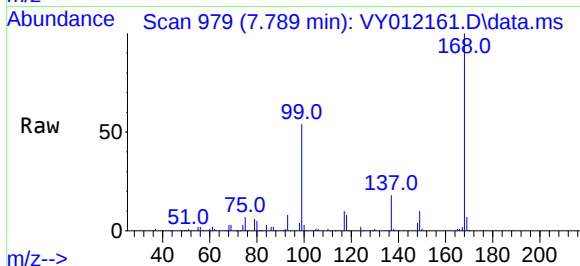
Tgt Ion: 75 Resp: 14610

Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.481 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012161.D

Acq: 11 Jan 2023 14:25

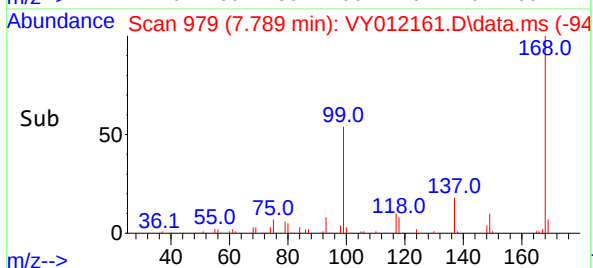
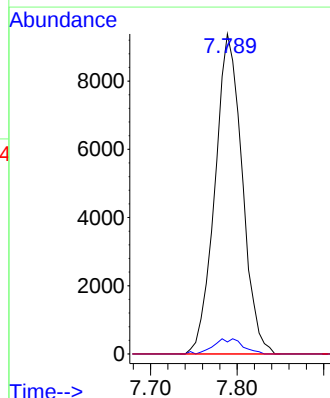
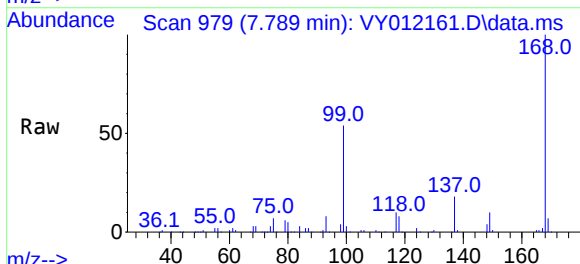
Tgt Ion: 117 Resp: 20487

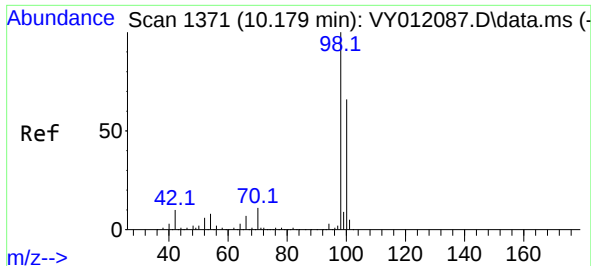
Ion Ratio Lower Upper

117 100

119 3.8 73.8 110.8#

121 0.0 25.2 37.8#

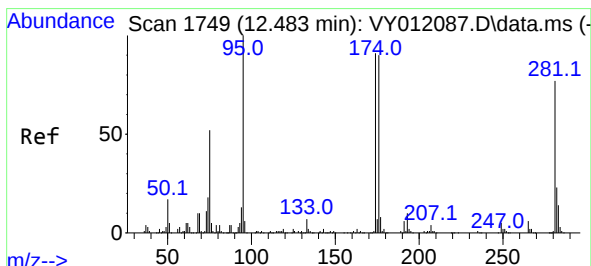
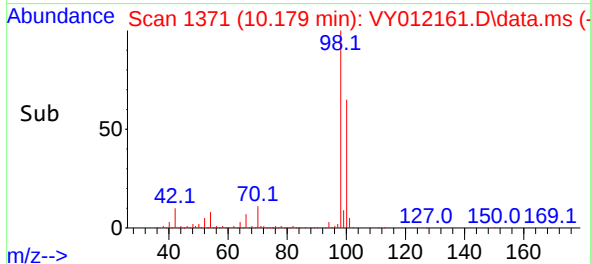
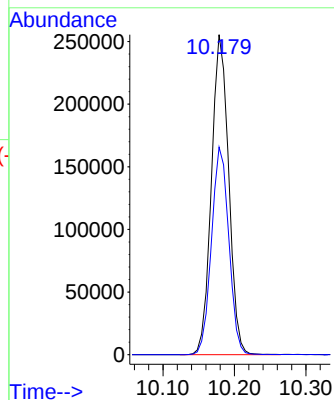
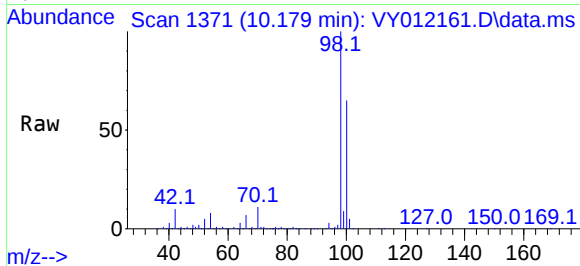




#50
Toluene-d8
Concen: 45.585 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

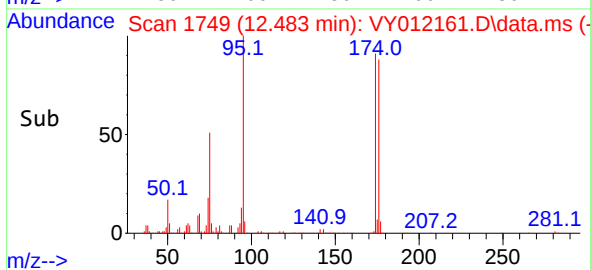
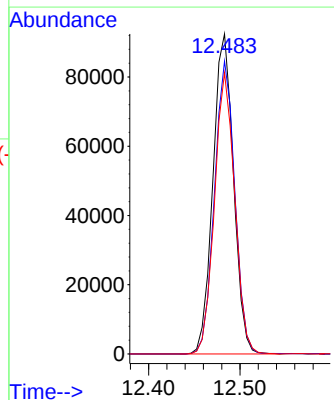
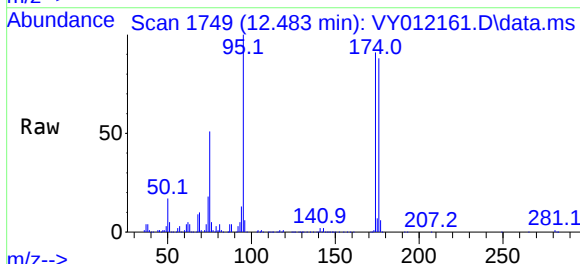
Instrument :
MSVOA_Y
ClientSampleId :
MH-3

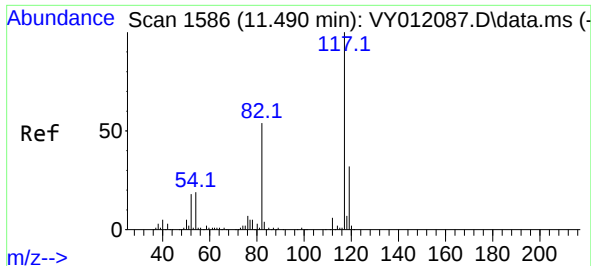
Tgt Ion: 98 Resp: 427238
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 44.048 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

Tgt Ion: 95 Resp: 144303
Ion Ratio Lower Upper
95 100
174 90.7 0.0 172.0
176 86.6 0.0 167.6

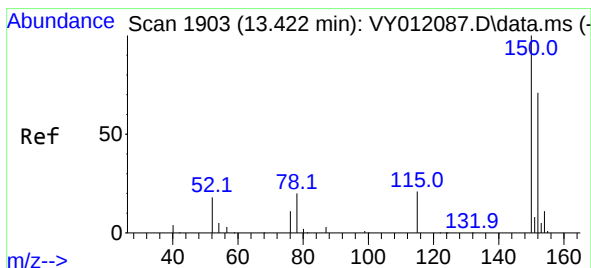
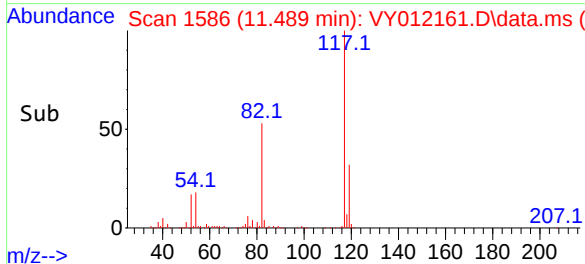
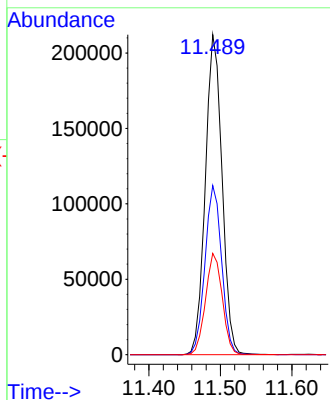
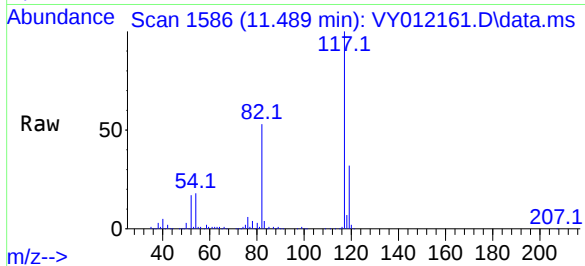




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

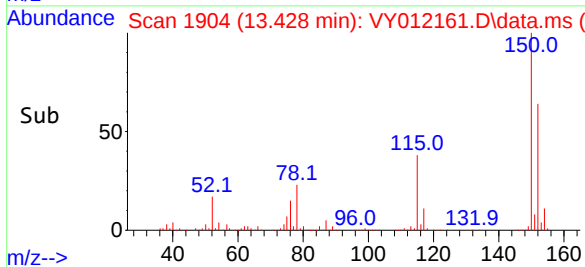
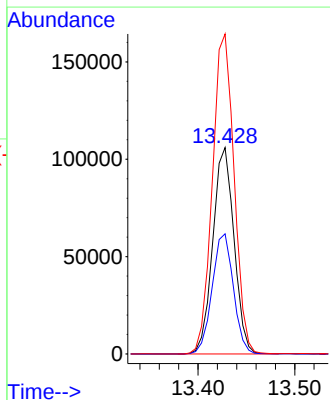
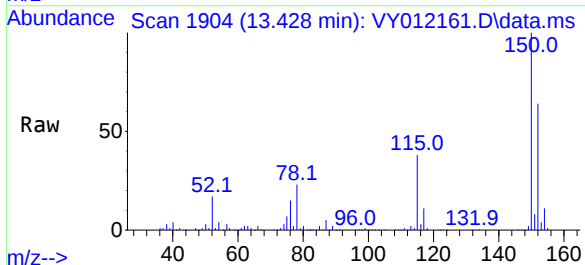
Instrument :
MSVOA_Y
ClientSampleId :
MH-3

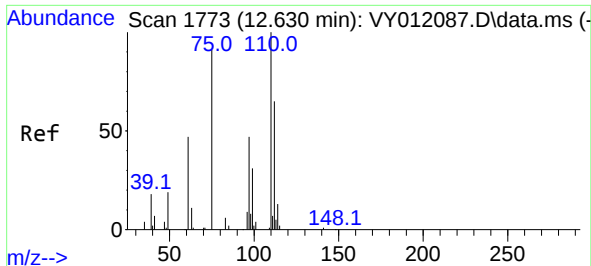
Tgt Ion:117 Resp: 344266
Ion Ratio Lower Upper
117 100
82 52.8 44.8 67.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

Tgt Ion:152 Resp: 161664
Ion Ratio Lower Upper
152 100
115 58.3 29.1 87.3
150 158.6 0.0 342.6

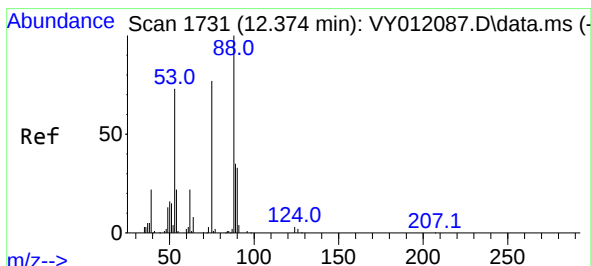
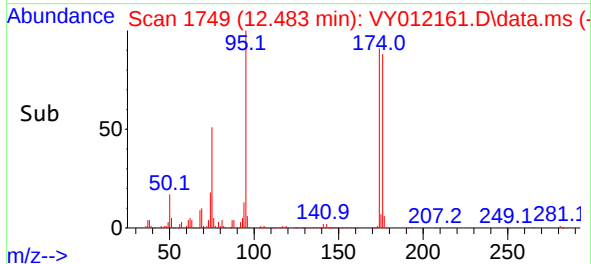
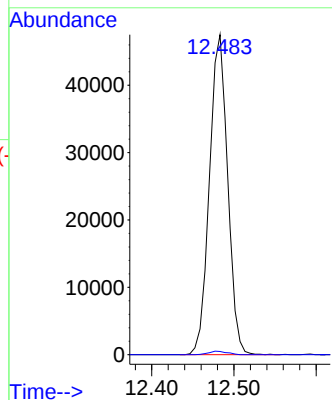
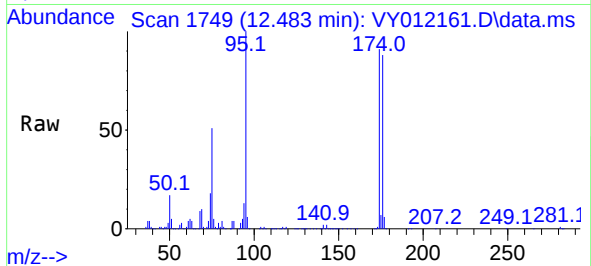




#76
1,2,3-Trichloropropane
Concen: 39.565 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

Instrument :
MSVOA_Y
ClientSampleId :
MH-3

Tgt Ion: 75 Resp: 73032
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.867 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012161.D
Acq: 11 Jan 2023 14:25

Tgt Ion: 75 Resp: 73032
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

