

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
 Data File : VY012290.D
 Acq On : 20 Jan 2023 15:02
 Operator : KP/MD
 Sample : 01220-01
 Misc : 6.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-8

Quant Time: Jan 23 02:20:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

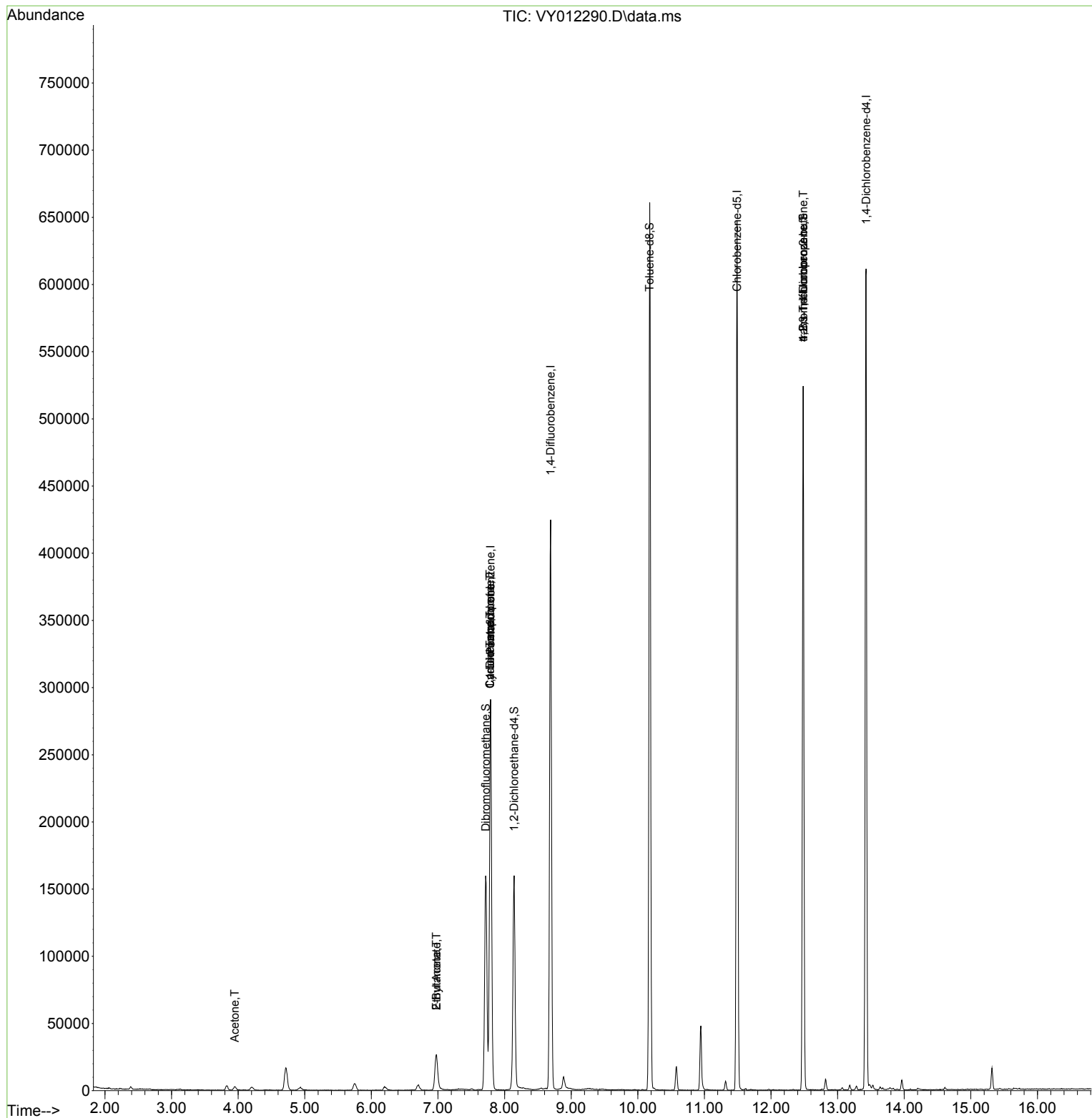
Internal Standards						
1) Pentafluorobenzene	7.789	168	227610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	375123	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	361762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	171685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	124325	67.255	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.500%			
35) Dibromofluoromethane	7.716	113	113285	57.034	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.060%			
50) Toluene-d8	10.179	98	445465	66.125	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 132.260%			
62) 4-Bromofluorobenzene	12.483	95	151855	54.233	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.460%			
Target Compounds						
11) Tert butyl alcohol	4.936	59	2499	Below Cal	#	74
16) Acetone	3.948	43	4674	7.375	ug/l	98
20) Methylene Chloride	4.716	84	13963	Below Cal		88
25) 2-Butanone	6.978	43	2159	3.086	ug/l	97
31) Cyclohexane	7.783	56	3769	1.136	ug/l	# 9
36) 1,1-Dichloropropene	7.783	75	15781	4.675	ug/l	# 51
37) Ethyl Acetate	6.978	43	2159	1.451	ug/l	# 24
38) Carbon Tetrachloride	7.783	117	21968	5.039	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	77315	48.974	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	77315	100.907	ug/l	# 13

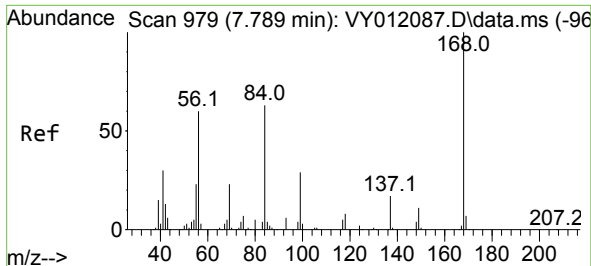
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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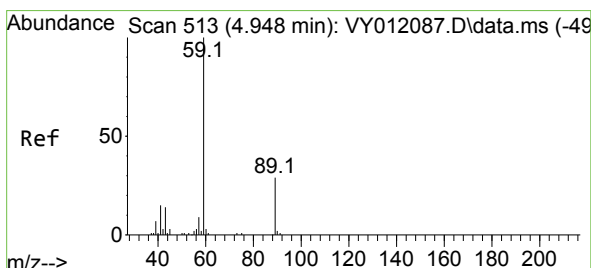
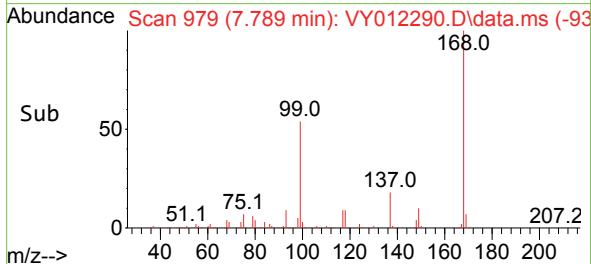
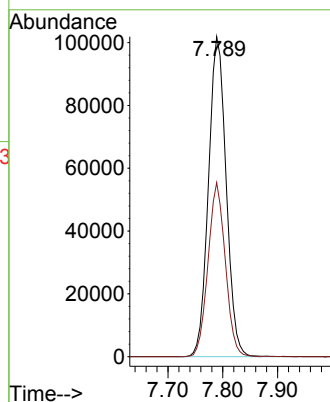
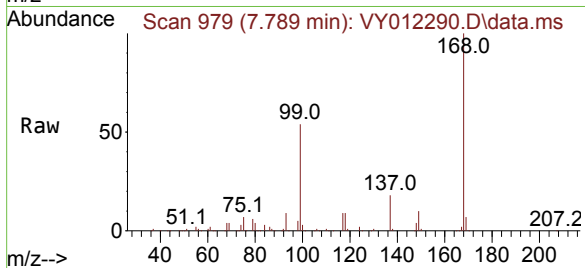




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012290.D
Acq: 20 Jan 2023 15:02

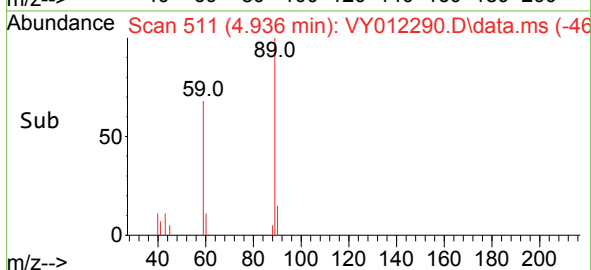
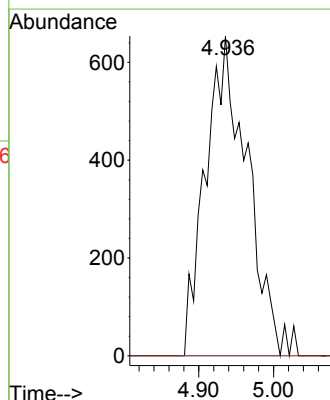
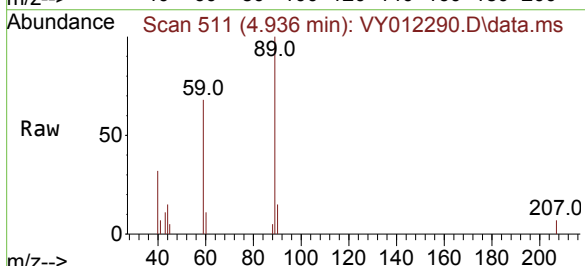
Instrument :
MSVOA_Y
ClientSampleId :
MH-8

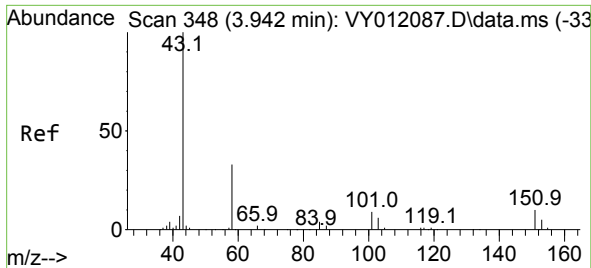
Tgt Ion:168 Resp: 227610
Ion Ratio Lower Upper
168 100
99 54.4 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012290.D
Acq: 20 Jan 2023 15:02

Tgt Ion: 59 Resp: 2499
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

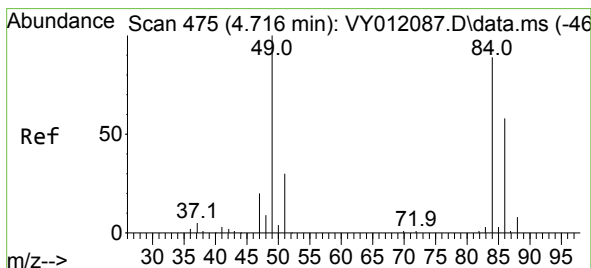
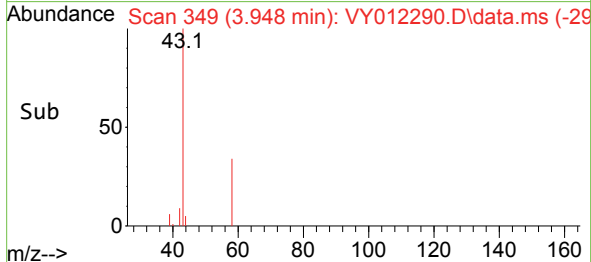
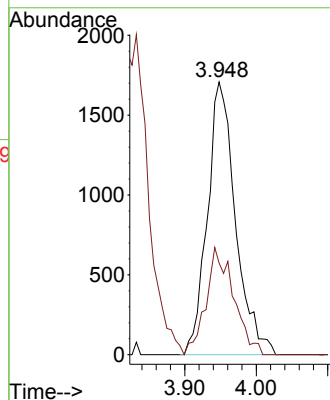
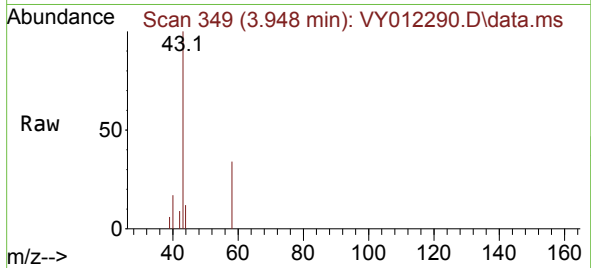




#16
Acetone
Concen: 7.375 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY012290.D
Acq: 20 Jan 2023 15:02

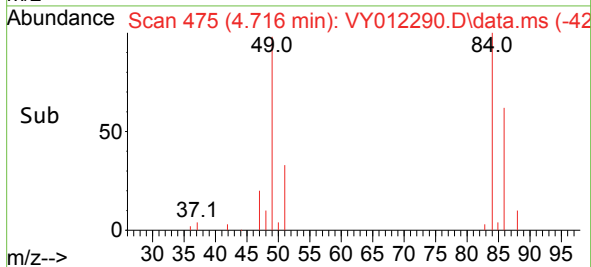
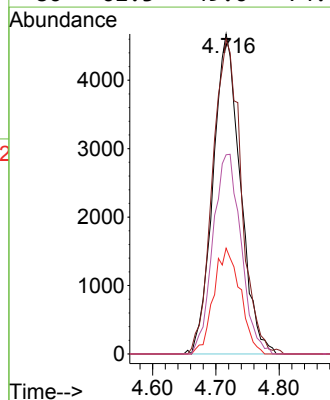
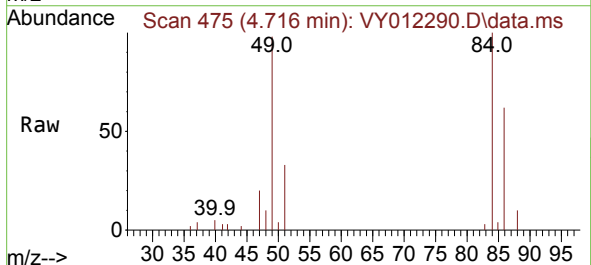
Instrument :
MSVOA_Y
ClientSampleId :
MH-8

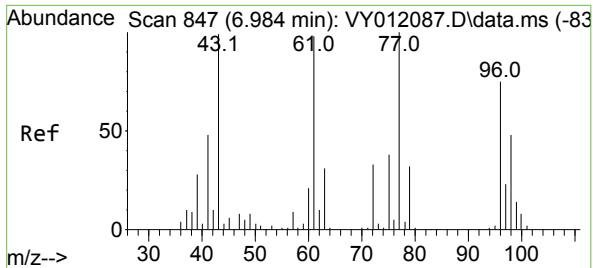
Tgt Ion: 43 Resp: 4674
Ion Ratio Lower Upper
43 100
58 33.6 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012290.D
Acq: 20 Jan 2023 15:02

Tgt Ion: 84 Resp: 13963
Ion Ratio Lower Upper
84 100
49 98.3 95.4 143.2
51 33.0 29.9 44.9
86 62.3 49.6 74.4

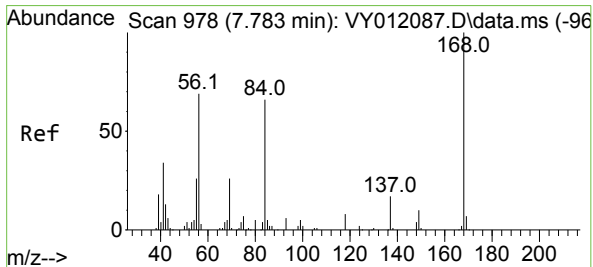
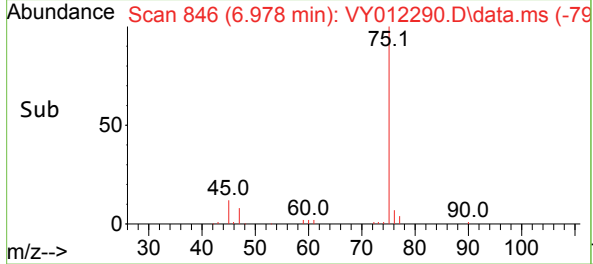
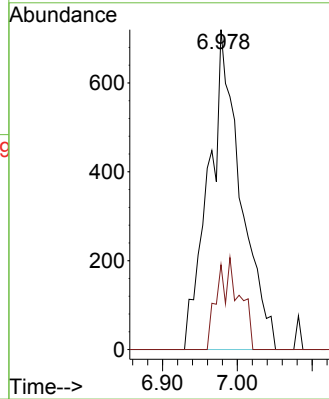
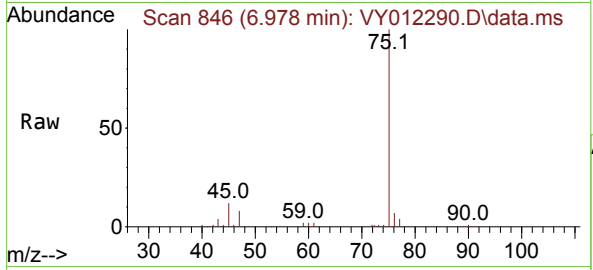




#25
2-Butanone
Concen: 3.086 ug/l
RT: 6.978 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY012290.D
Acq: 20 Jan 2023 15:02

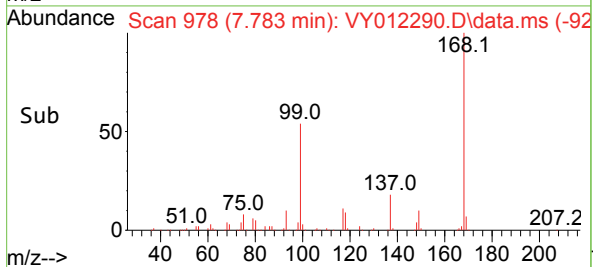
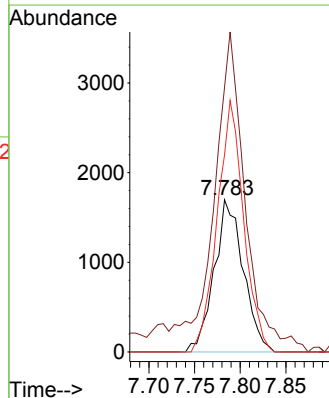
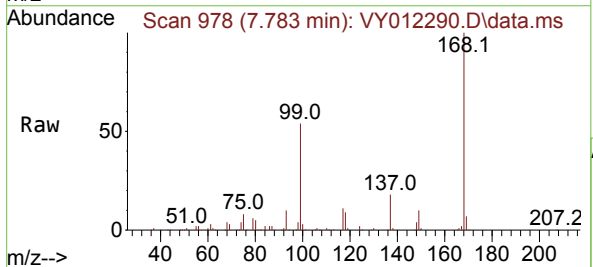
Instrument :
MSVOA_Y
ClientSampleId :
MH-8

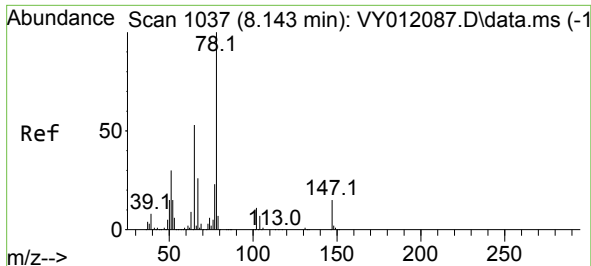
Tgt Ion: 43 Resp: 2159
Ion Ratio Lower Upper
43 100
72 26.5 22.6 34.0



#31
Cyclohexane
Concen: 1.136 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY012290.D
Acq: 20 Jan 2023 15:02

Tgt Ion: 56 Resp: 3769
Ion Ratio Lower Upper
56 100
69 165.0 29.2 43.8#
84 129.4 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 67.255 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012290.D

Acq: 20 Jan 2023 15:02

Instrument :

MSVOA_Y

ClientSampleId :

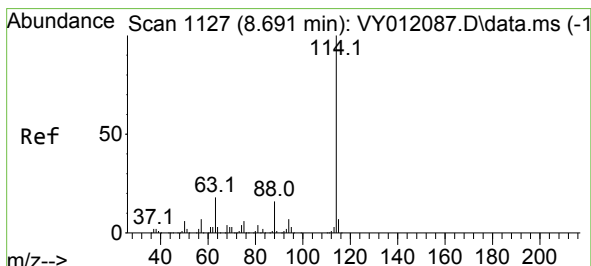
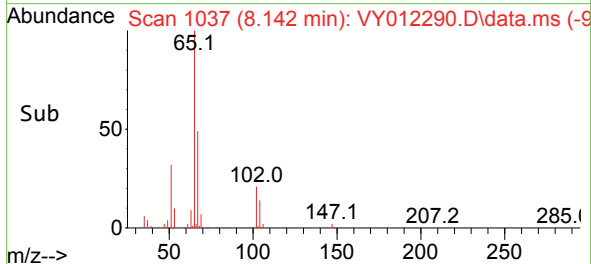
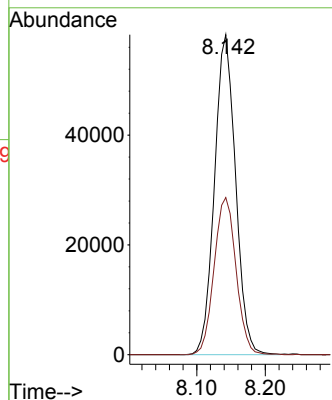
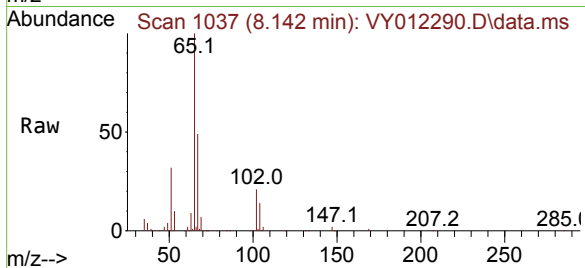
MH-8

Tgt Ion: 65 Resp: 124325

Ion Ratio Lower Upper

65 100

67 51.1 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: VY012290.D

Acq: 20 Jan 2023 15:02

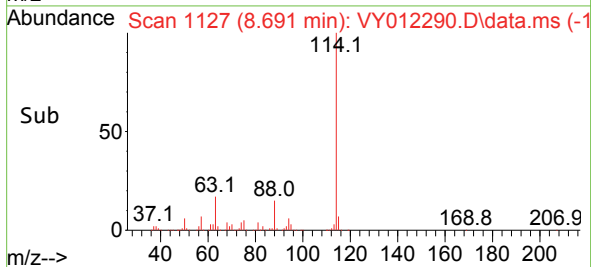
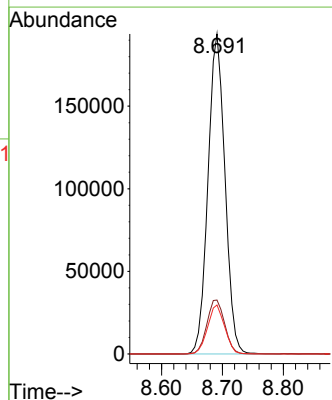
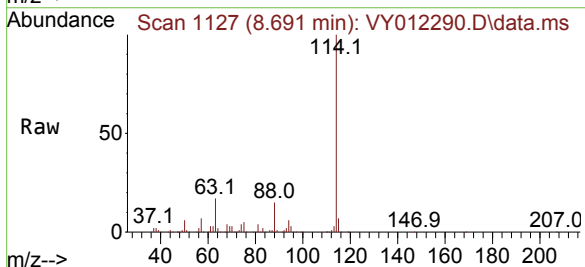
Tgt Ion:114 Resp: 375123

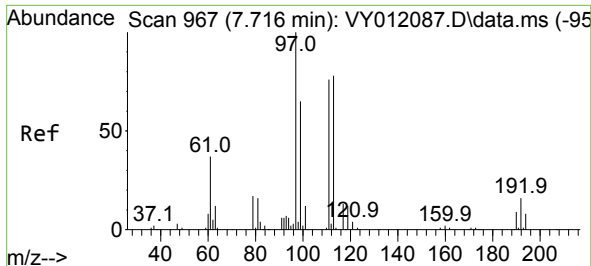
Ion Ratio Lower Upper

114 100

63 16.9 0.0 39.6

88 15.3 0.0 32.2

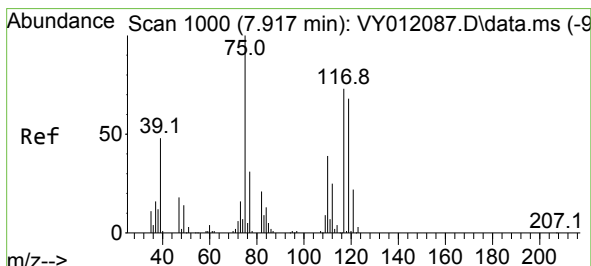
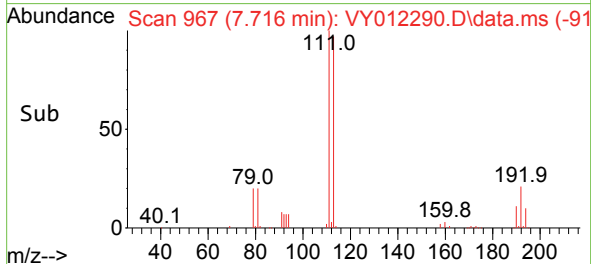
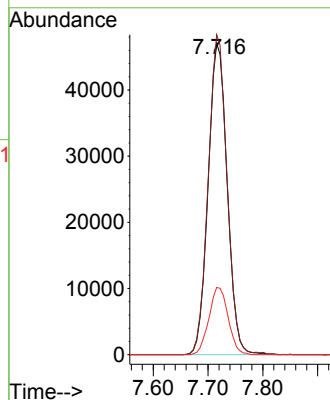
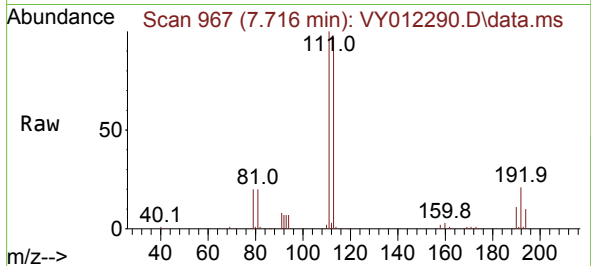




#35
Dibromofluoromethane
Concen: 57.034 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012290.D
Acq: 20 Jan 2023 15:02

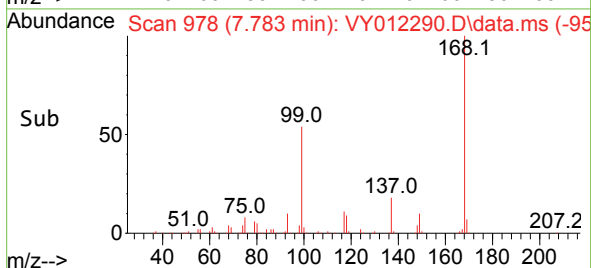
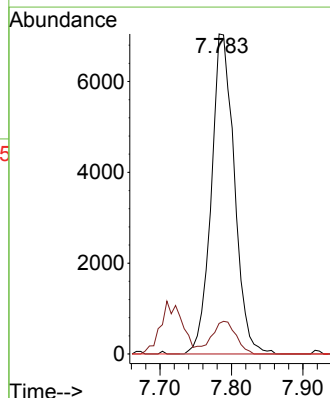
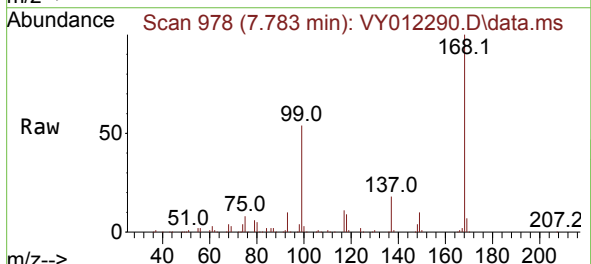
Instrument :
MSVOA_Y
ClientSampleId :
MH-8

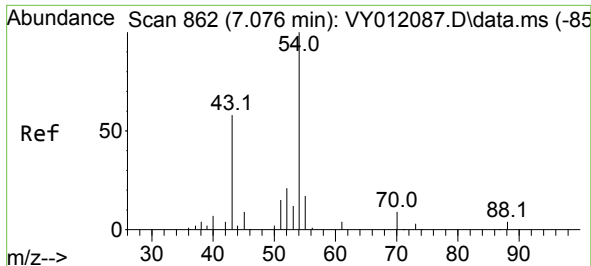
Tgt Ion:113 Resp: 113285
Ion Ratio Lower Upper
113 100
111 101.9 83.0 124.4
192 21.8 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.675 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012290.D
Acq: 20 Jan 2023 15:02

Tgt Ion: 75 Resp: 15781
Ion Ratio Lower Upper
75 100
110 10.7 18.1 54.1#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.451 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY012290.D

Acq: 20 Jan 2023 15:02

Instrument :

MSVOA_Y

ClientSampleId :

MH-8

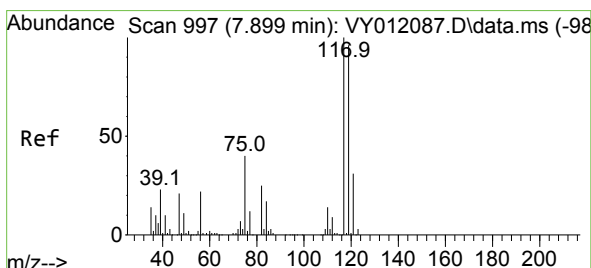
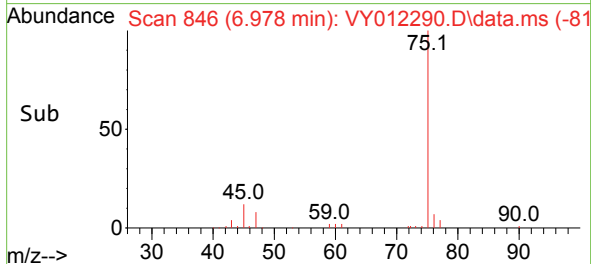
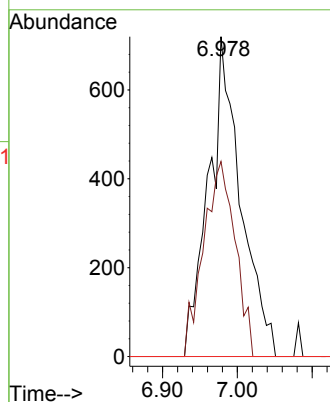
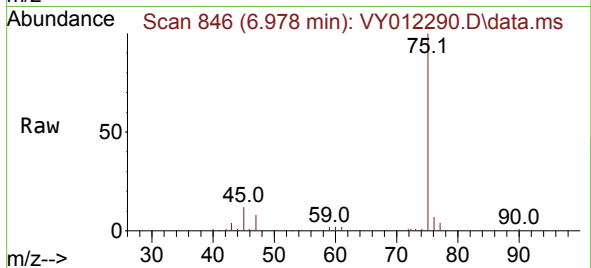
Tgt Ion: 43 Resp: 2159

Ion Ratio Lower Upper

43 100

61 59.8 11.3 16.9#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 5.039 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012290.D

Acq: 20 Jan 2023 15:02

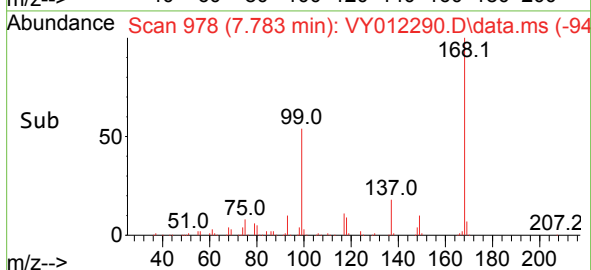
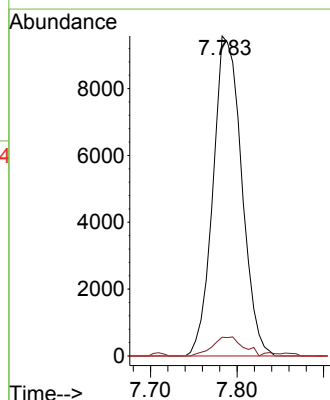
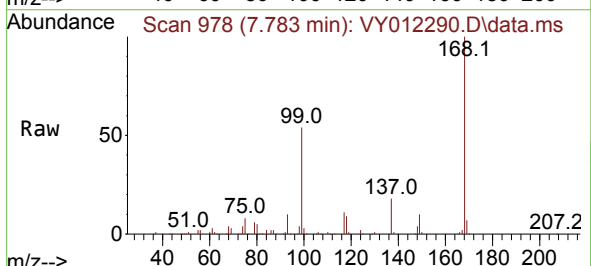
Tgt Ion: 117 Resp: 21968

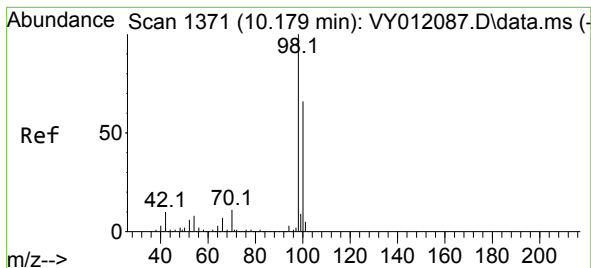
Ion Ratio Lower Upper

117 100

119 5.8 73.8 110.8#

121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 66.125 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012290.D

Acq: 20 Jan 2023 15:02

Instrument :

MSVOA_Y

ClientSampleId :

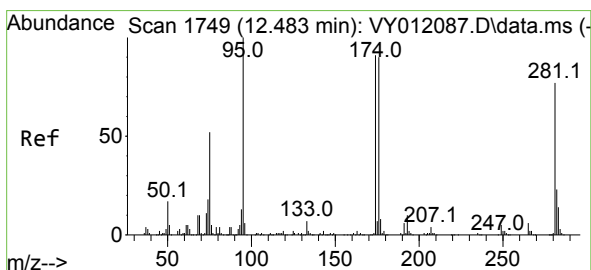
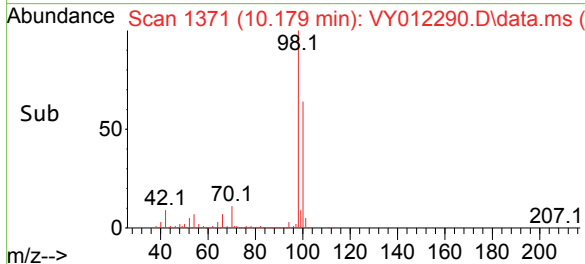
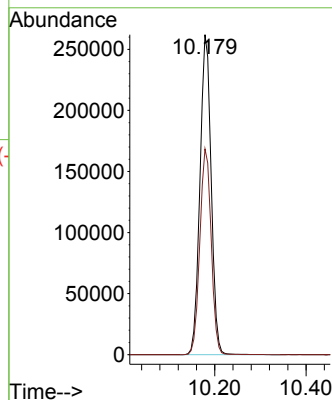
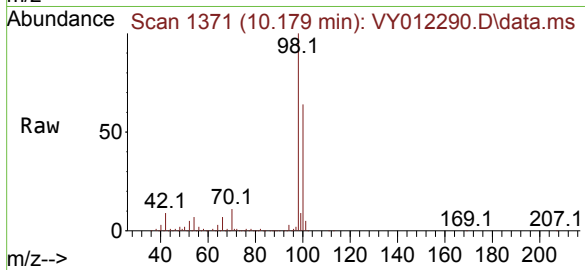
MH-8

Tgt Ion: 98 Resp: 445465

Ion Ratio Lower Upper

98 100

100 65.2 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 54.233 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012290.D

Acq: 20 Jan 2023 15:02

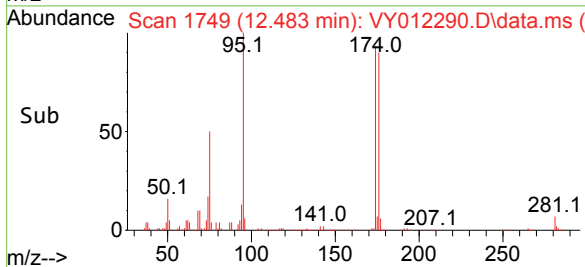
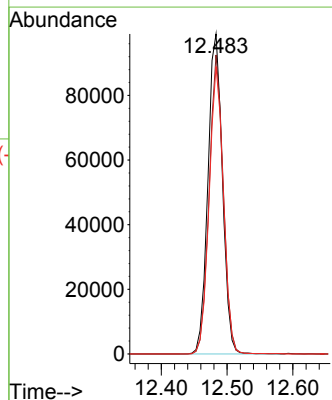
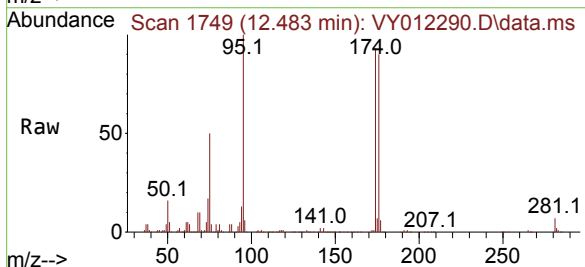
Tgt Ion: 95 Resp: 151855

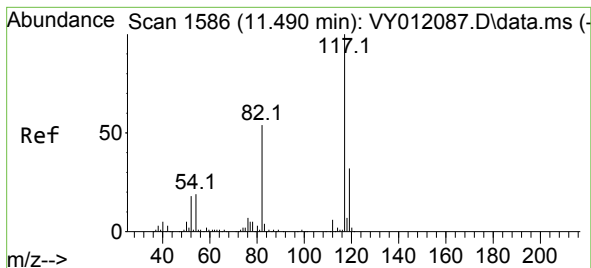
Ion Ratio Lower Upper

95 100

174 91.5 0.0 172.0

176 88.6 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: VY012290.D

Acq: 20 Jan 2023 15:02

Instrument :

MSVOA_Y

ClientSampleId :

MH-8

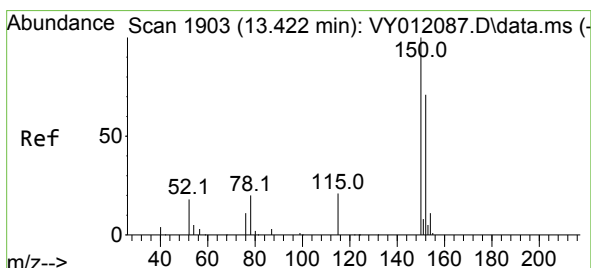
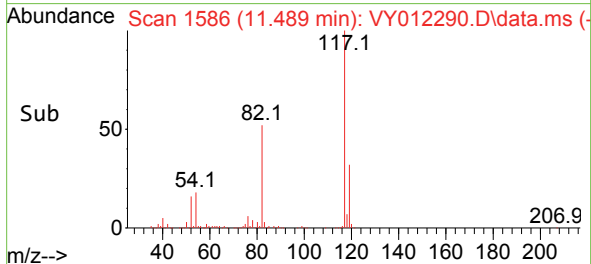
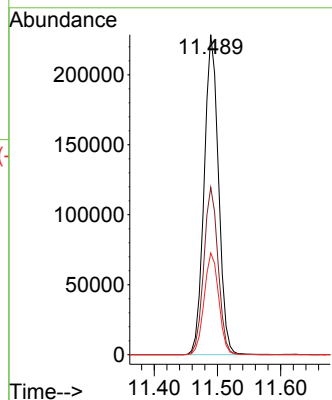
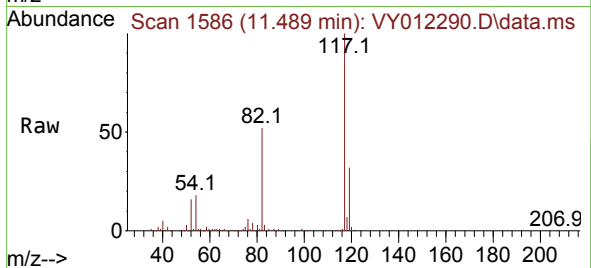
Tgt Ion:117 Resp: 361762

Ion Ratio Lower Upper

117 100

82 52.3 44.8 67.2

119 31.7 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: VY012290.D

Acq: 20 Jan 2023 15:02

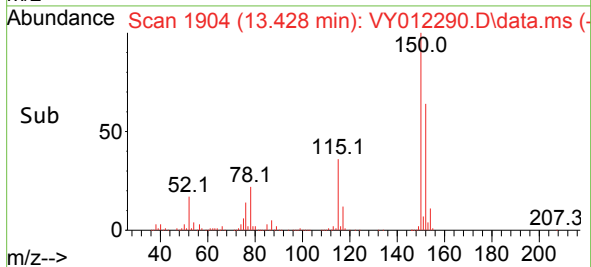
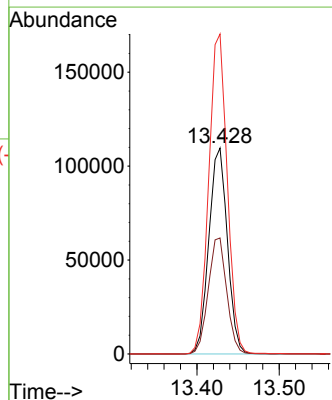
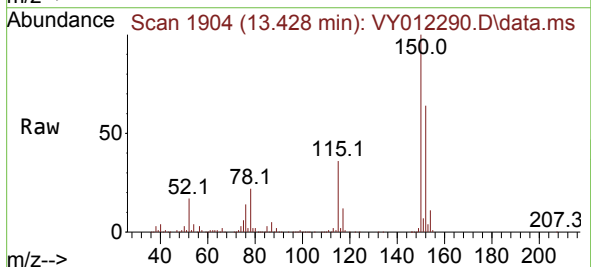
Tgt Ion:152 Resp: 171685

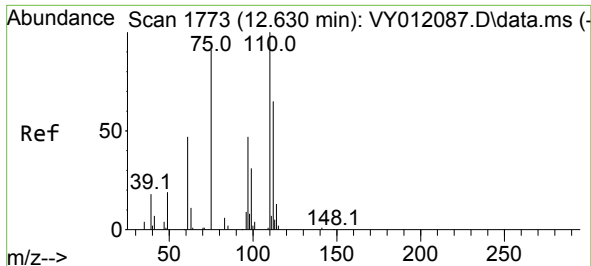
Ion Ratio Lower Upper

152 100

115 56.3 29.1 87.3

150 155.4 0.0 342.6

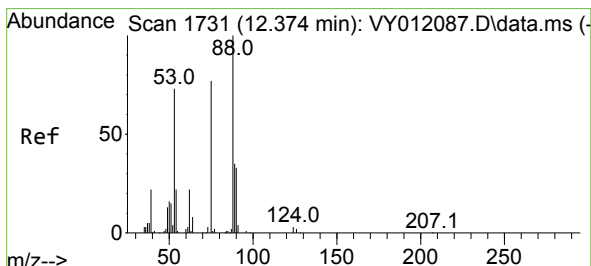
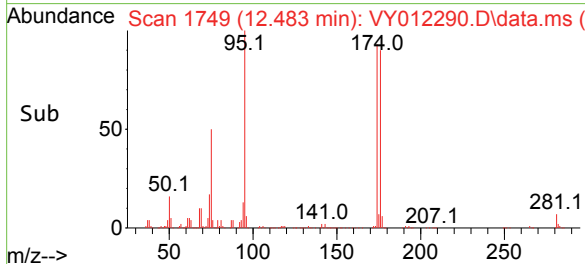
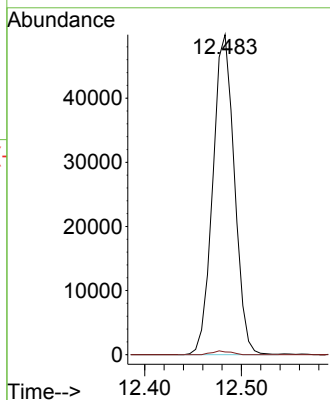
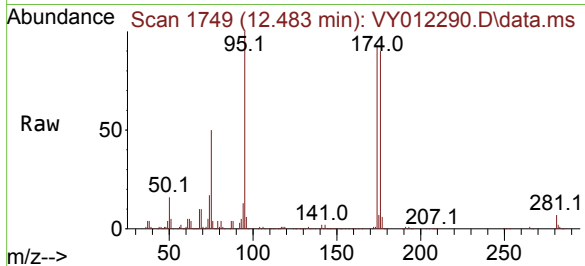




#76
1,2,3-Trichloropropane
Concen: 48.974 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012290.D
Acq: 20 Jan 2023 15:02

Instrument :
MSVOA_Y
ClientSampleId :
MH-8

Tgt Ion: 75 Resp: 77315
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.907 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012290.D
Acq: 20 Jan 2023 15:02

Tgt Ion: 75 Resp: 77315
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

