

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
 Data File : VY012295.D
 Acq On : 20 Jan 2023 17:00
 Operator : KP/MD
 Sample : 01232-05
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P-18B

Quant Time: Jan 23 02:22:40 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)

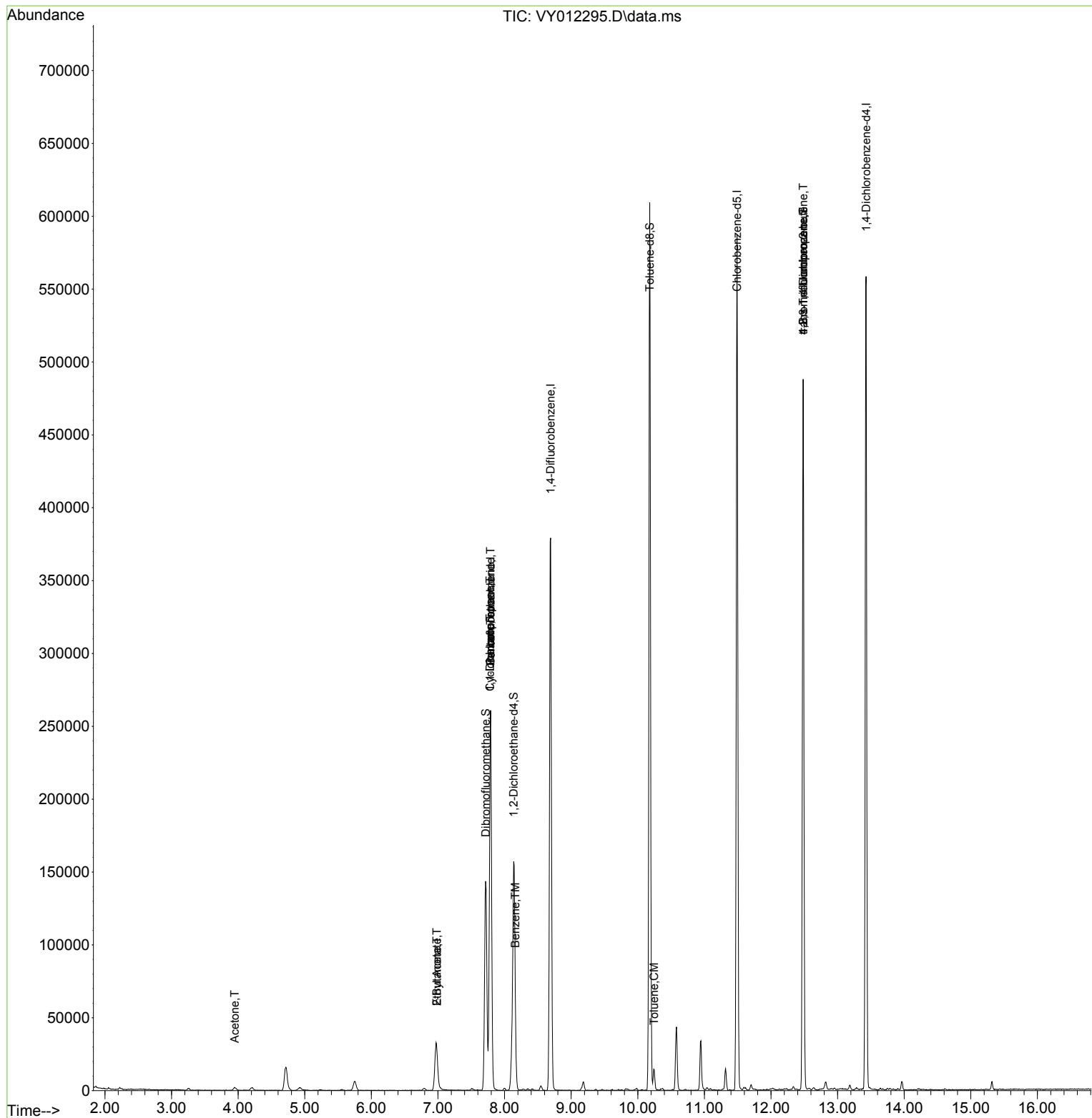
Internal Standards						
1) Pentafluorobenzene	7.789	168	205706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	345925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	328400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	154191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	115508	69.258	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.520%	
35) Dibromofluoromethane	7.716	113	101521	55.425	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.860%	
50) Toluene-d8	10.179	98	403901	64.936	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 129.880%	
62) 4-Bromofluorobenzene	12.483	95	135818	52.600	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	996	Below Cal	#	74
16) Acetone	3.948	43	3606	6.295	ug/l	97
20) Methylene Chloride	4.723	84	13599	Below Cal	#	81
25) 2-Butanone	6.984	43	2057	3.253	ug/l	96
31) Cyclohexane	7.783	56	4681	1.561	ug/l	# 16
36) 1,1-Dichloropropene	7.783	75	14139	4.542	ug/l	# 50
37) Ethyl Acetate	6.984	43	2057	1.499	ug/l	# 9
38) Carbon Tetrachloride	7.789	117	20071	4.992	ug/l	# 18
40) Benzene	8.161	78	15186	1.690	ug/l	99
52) Toluene	10.246	92	6148	1.028	ug/l	100
76) 1,2,3-Trichloropropane	12.483	75	69948	49.334	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	69948	101.650	ug/l	# 13

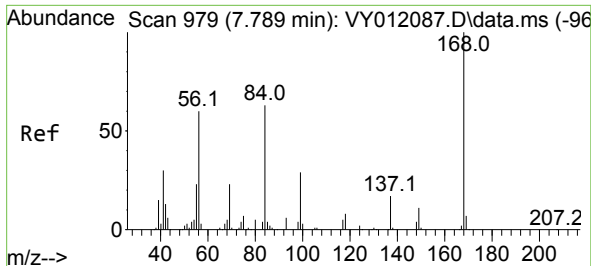
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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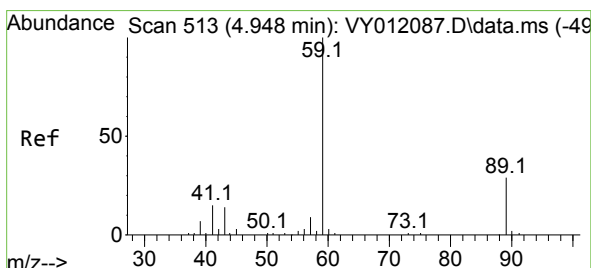
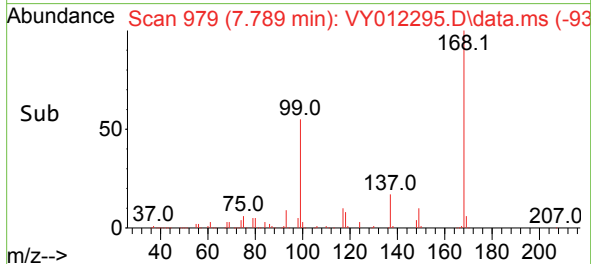
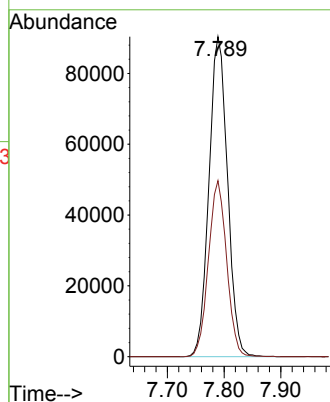
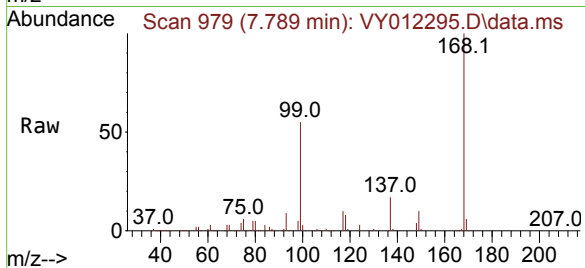




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012295.D
Acq: 20 Jan 2023 17:00

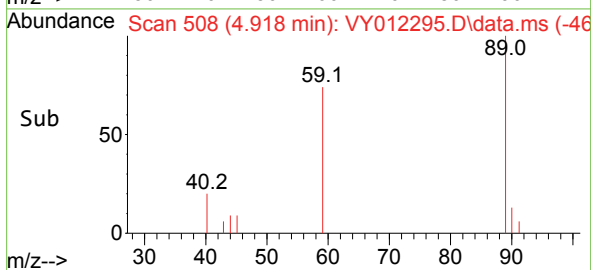
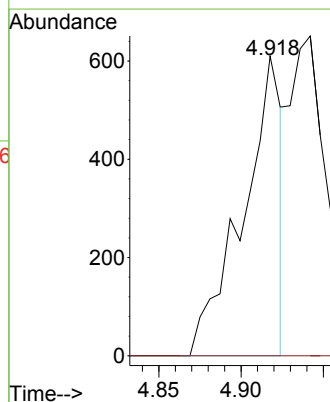
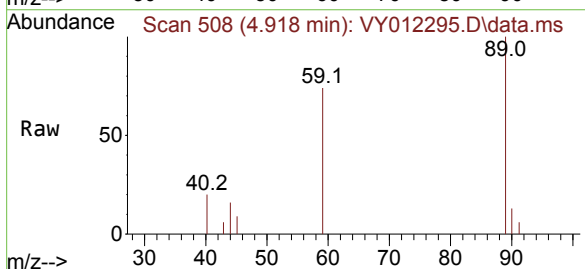
Instrument :
MSVOA_Y
ClientSampleId :
B-P-18B

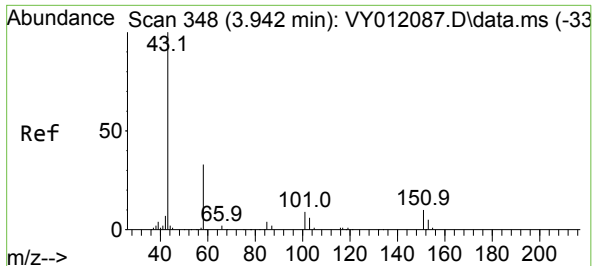
Tgt Ion:168 Resp: 205706
Ion Ratio Lower Upper
168 100
99 55.0 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.030 min
Lab File: VY012295.D
Acq: 20 Jan 2023 17:00

Tgt Ion: 59 Resp: 996
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

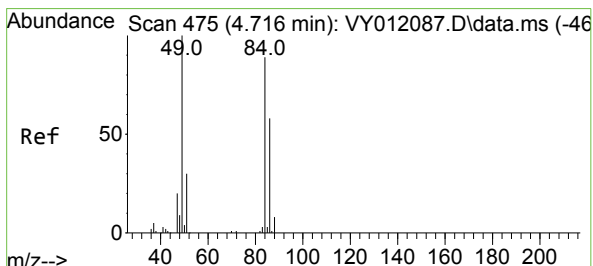
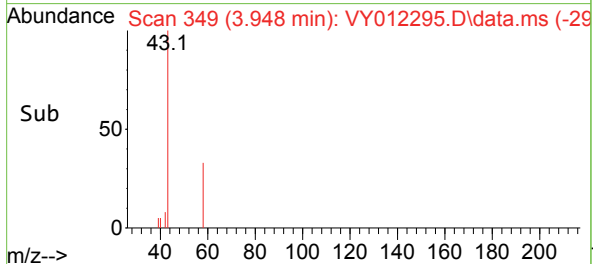
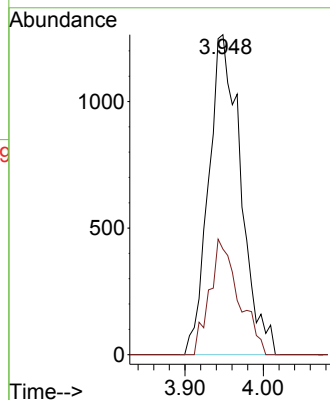
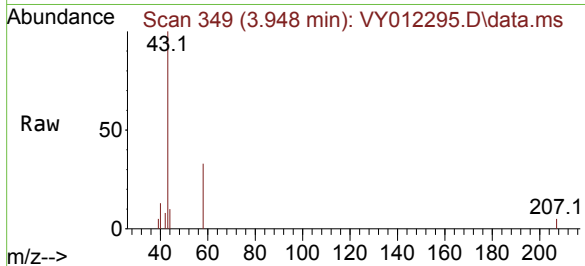




#16
Acetone
Concen: 6.295 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY012295.D
Acq: 20 Jan 2023 17:00

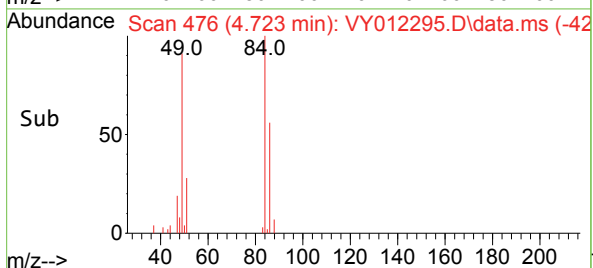
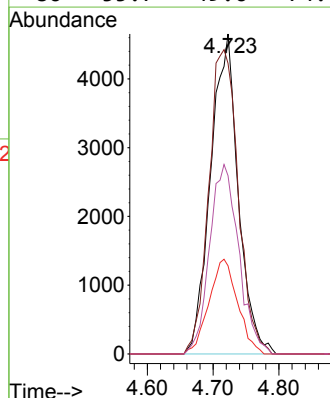
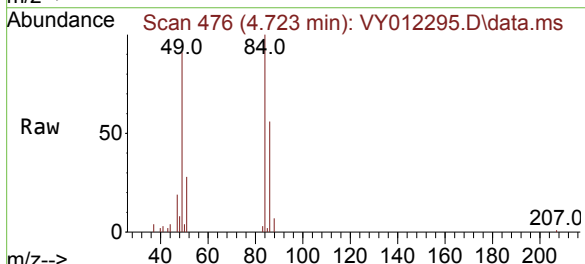
Instrument :
MSVOA_Y
ClientSampleId :
B-P-18B

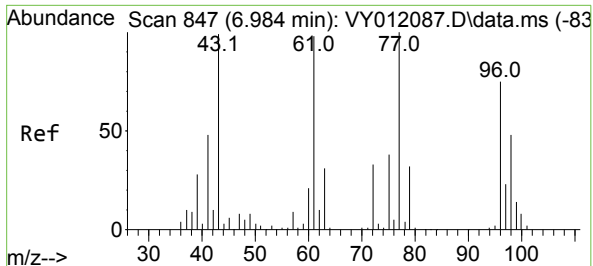
Tgt Ion: 43 Resp: 3606
Ion Ratio Lower Upper
43 100
58 33.0 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 476
Delta R.T. 0.007 min
Lab File: VY012295.D
Acq: 20 Jan 2023 17:00

Tgt Ion: 84 Resp: 13599
Ion Ratio Lower Upper
84 100
49 90.8 95.4 143.2#
51 27.6 29.9 44.9#
86 55.7 49.6 74.4

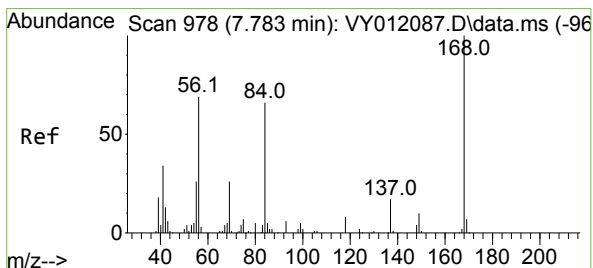
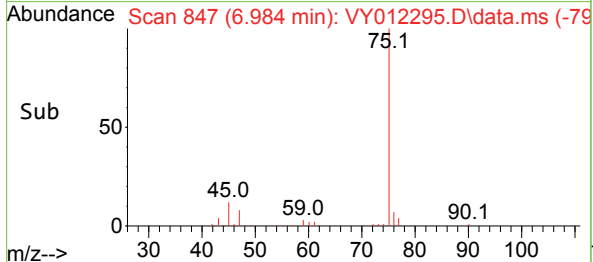
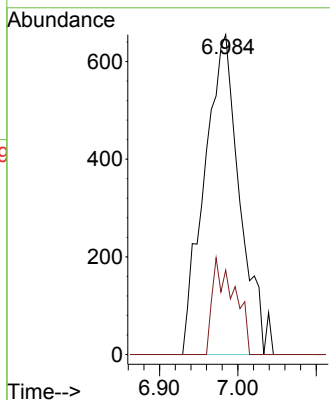
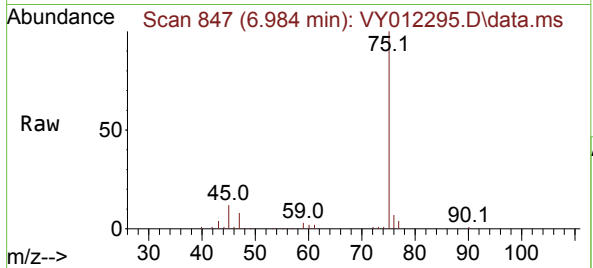




#25
2-Butanone
Concen: 3.253 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012295.D
Acq: 20 Jan 2023 17:00

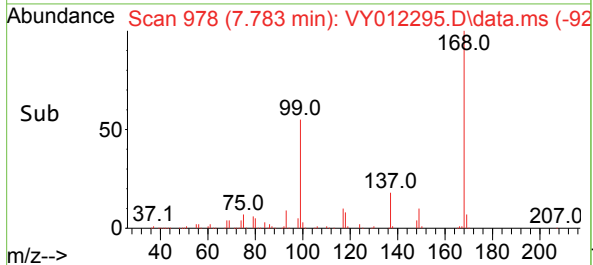
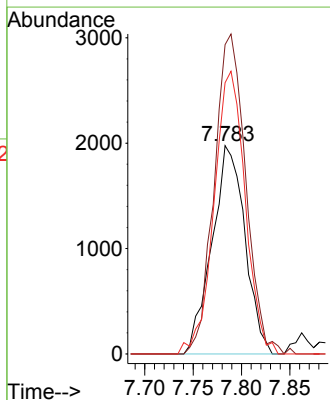
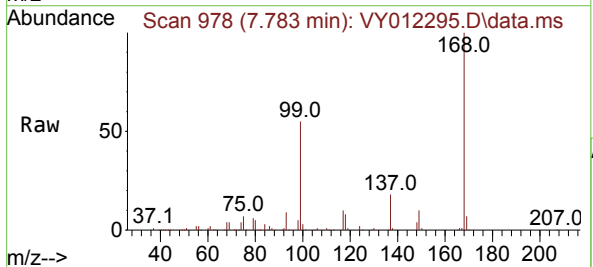
Instrument :
MSVOA_Y
ClientSampleId :
B-P-18B

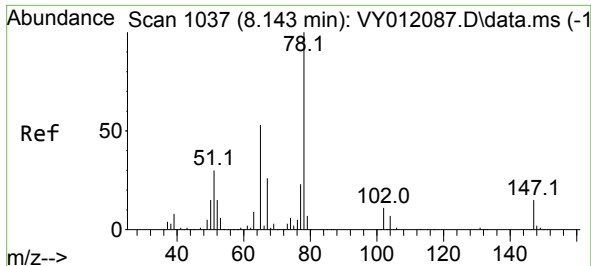
Tgt Ion: 43 Resp: 2057
Ion Ratio Lower Upper
43 100
72 26.4 22.6 34.0



#31
Cyclohexane
Concen: 1.561 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.000 min
Lab File: VY012295.D
Acq: 20 Jan 2023 17:00

Tgt Ion: 56 Resp: 4681
Ion Ratio Lower Upper
56 100
69 148.4 29.2 43.8#
84 130.1 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 69.258 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012295.D

Acq: 20 Jan 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

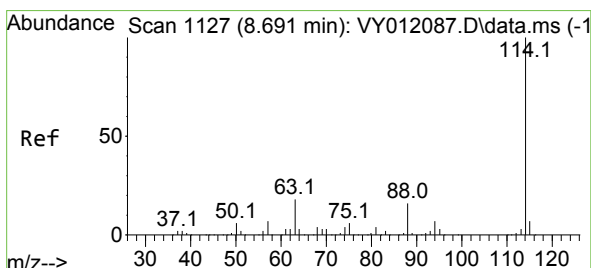
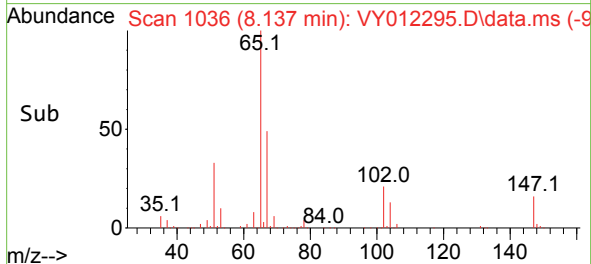
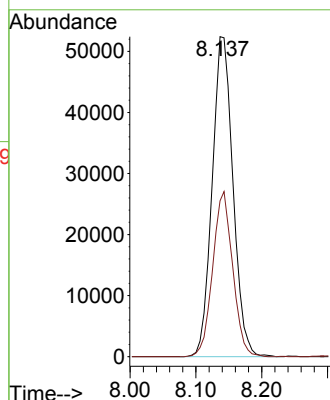
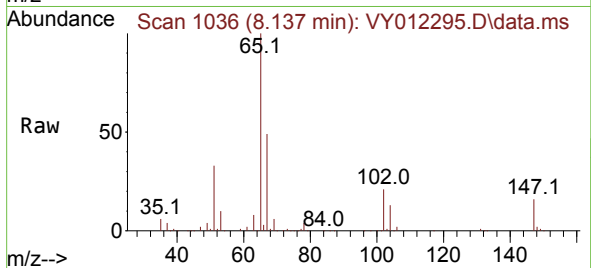
B-P-18B

Tgt Ion: 65 Resp: 115508

Ion Ratio Lower Upper

65 100

67 49.5 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: VY012295.D

Acq: 20 Jan 2023 17:00

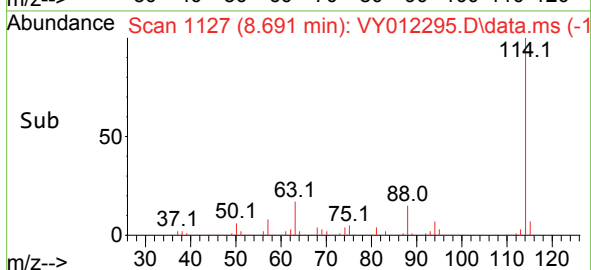
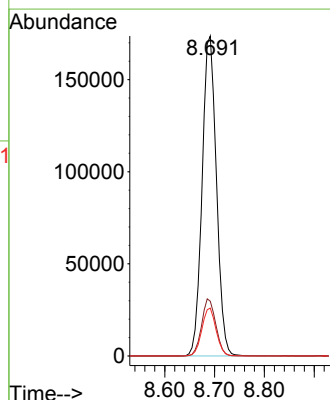
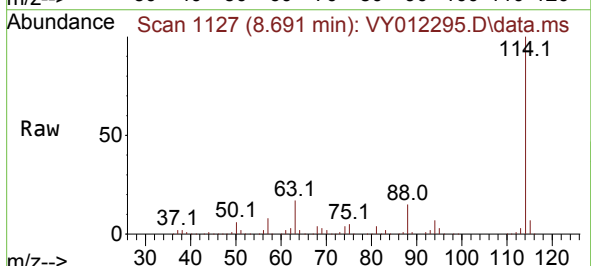
Tgt Ion: 114 Resp: 345925

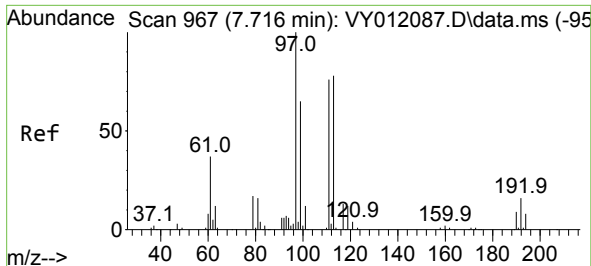
Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.6

88 15.0 0.0 32.2

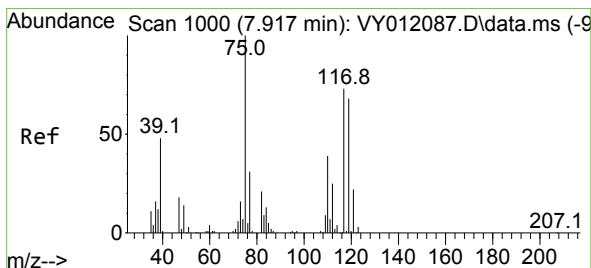
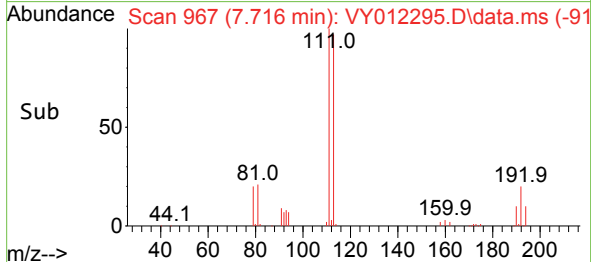
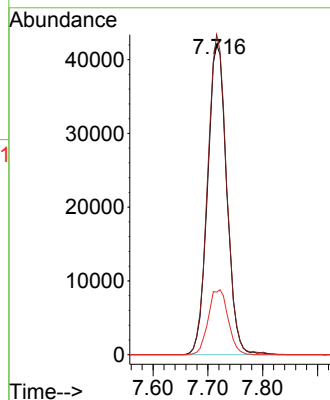
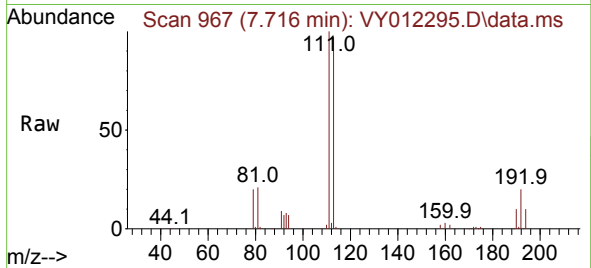




#35
Dibromofluoromethane
Concen: 55.425 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012295.D
Acq: 20 Jan 2023 17:00

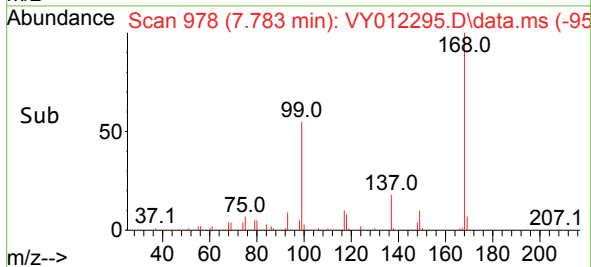
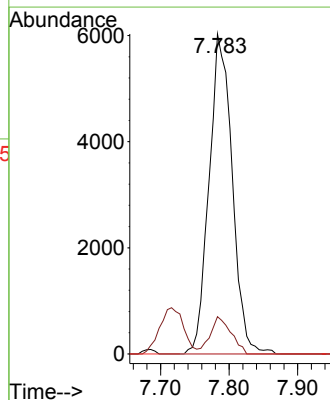
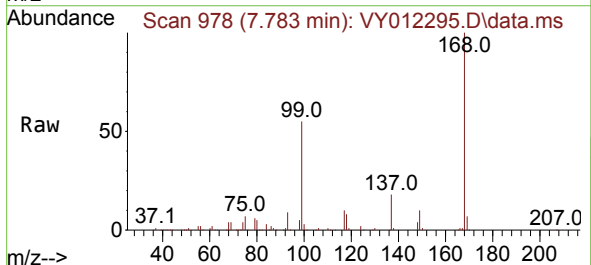
Instrument :
MSVOA_Y
ClientSampleId :
B-P-18B

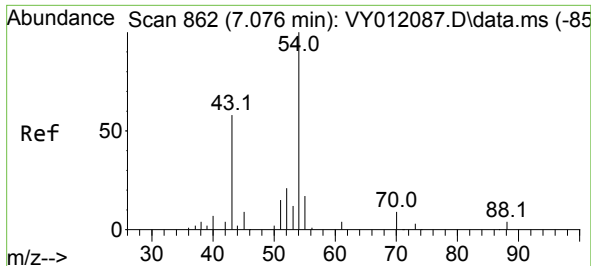
Tgt Ion:113 Resp: 101521
Ion Ratio Lower Upper
113 100
111 102.7 83.0 124.4
192 21.8 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.542 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012295.D
Acq: 20 Jan 2023 17:00

Tgt Ion: 75 Resp: 14139
Ion Ratio Lower Upper
75 100
110 10.5 18.1 54.1#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.499 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY012295.D

Acq: 20 Jan 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

B-P-18B

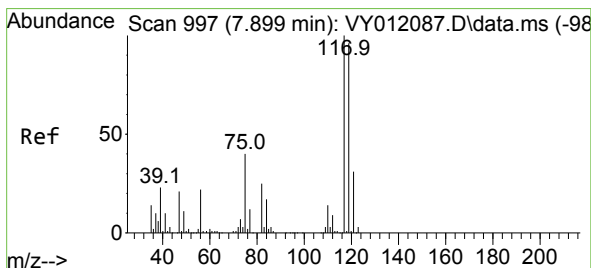
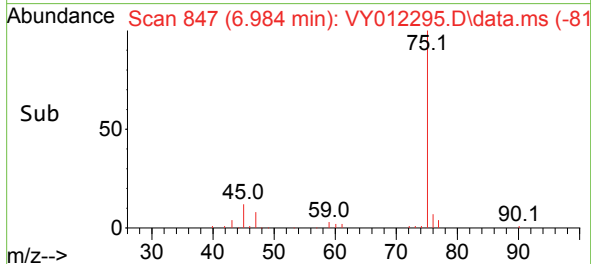
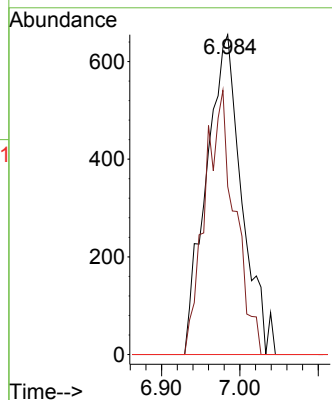
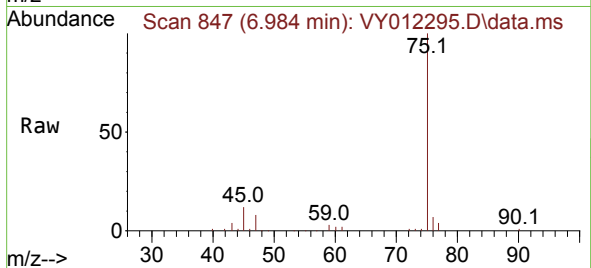
Tgt Ion: 43 Resp: 2057

Ion Ratio Lower Upper

43 100

61 70.2 11.3 16.9#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 4.992 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012295.D

Acq: 20 Jan 2023 17:00

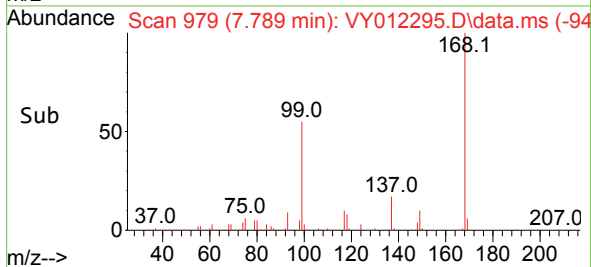
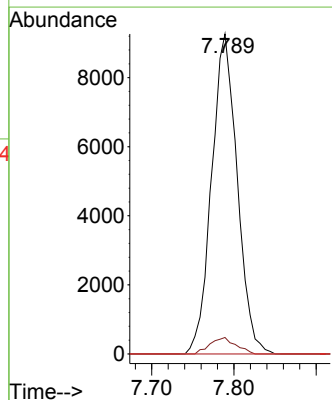
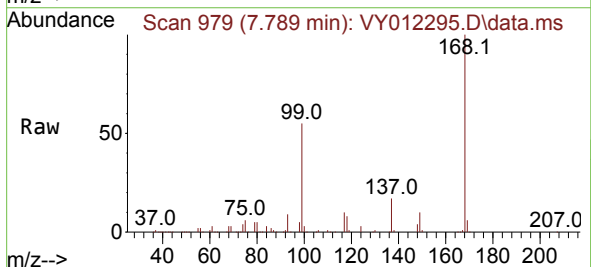
Tgt Ion: 117 Resp: 20071

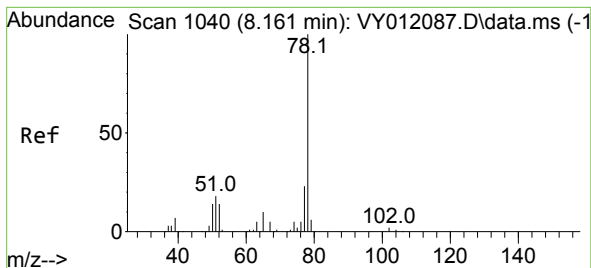
Ion Ratio Lower Upper

117 100

119 5.2 73.8 110.8#

121 0.0 25.2 37.8#





#40

Benzene

Concen: 1.690 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY012295.D

Acq: 20 Jan 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

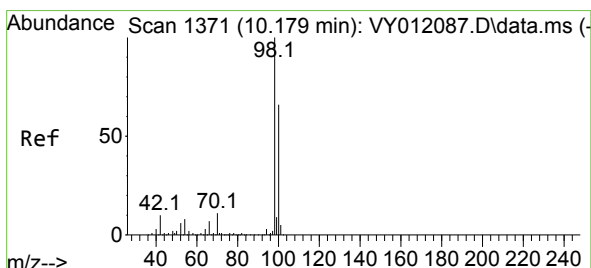
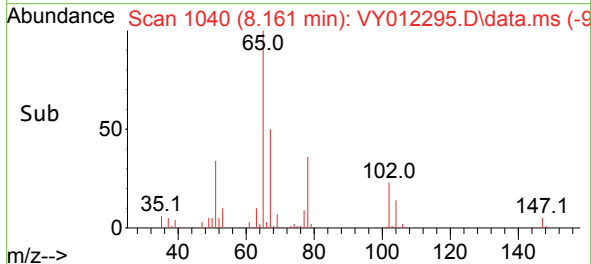
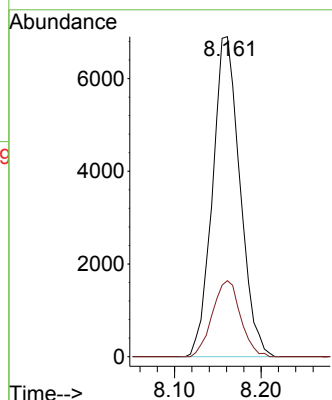
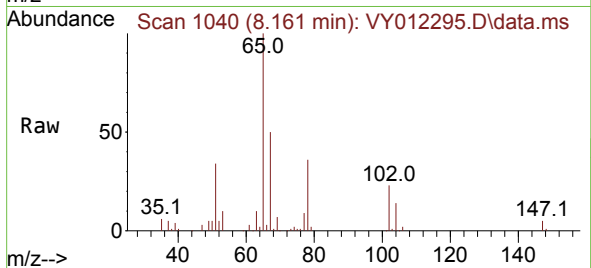
B-P-18B

Tgt Ion: 78 Resp: 15186

Ion Ratio Lower Upper

78 100

77 23.7 18.6 27.8



#50

Toluene-d8

Concen: 64.936 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012295.D

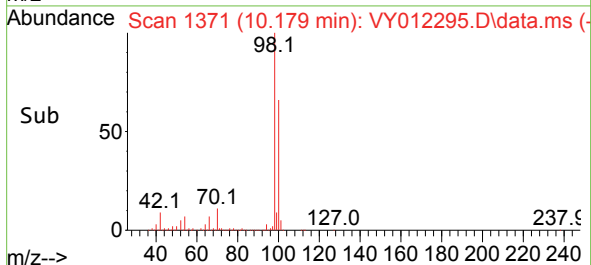
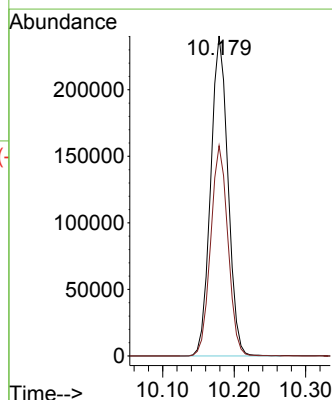
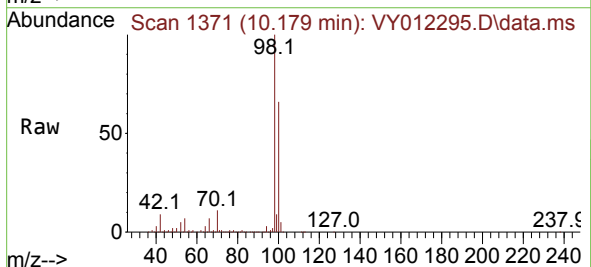
Acq: 20 Jan 2023 17:00

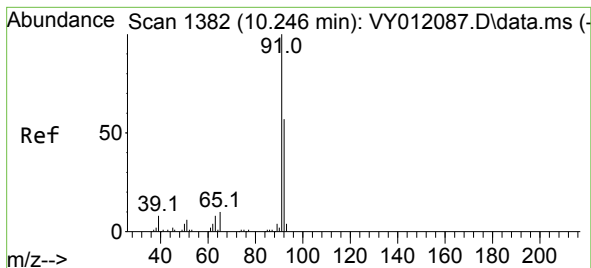
Tgt Ion: 98 Resp: 403901

Ion Ratio Lower Upper

98 100

100 65.5 51.9 77.9





#52

Toluene

Concen: 1.028 ug/l

RT: 10.246 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012295.D

Acq: 20 Jan 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

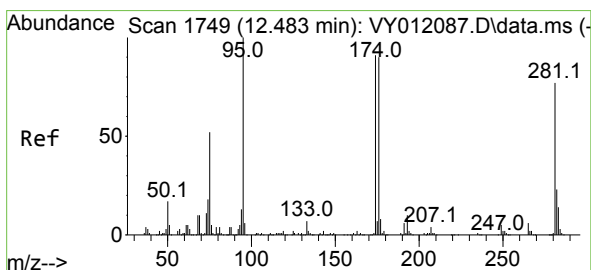
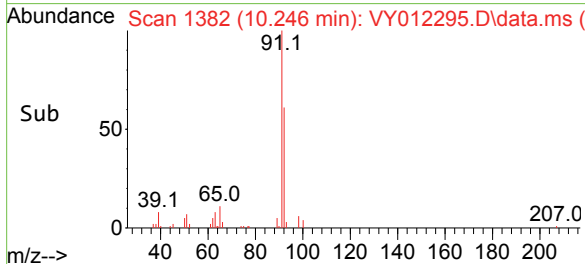
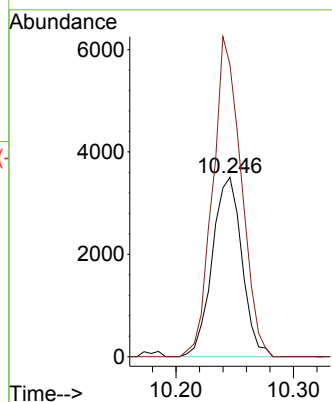
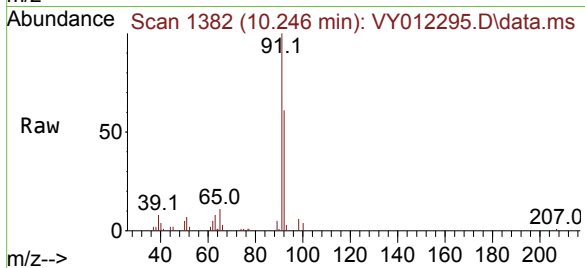
B-P-18B

Tgt Ion: 92 Resp: 6148

Ion Ratio Lower Upper

92 100

91 171.4 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 52.600 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012295.D

Acq: 20 Jan 2023 17:00

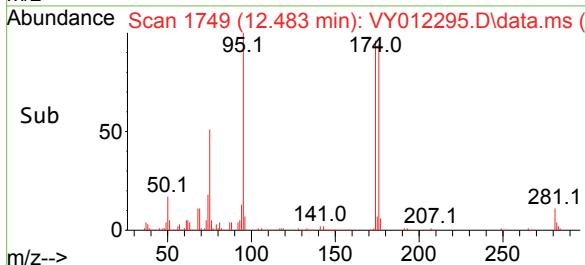
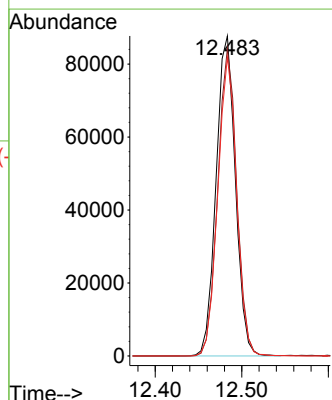
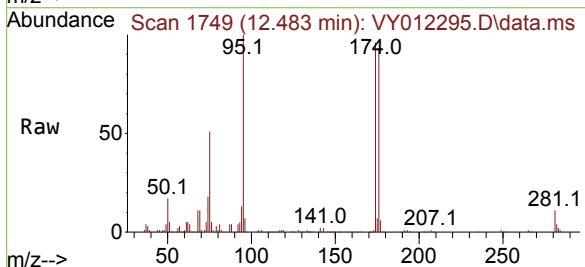
Tgt Ion: 95 Resp: 135818

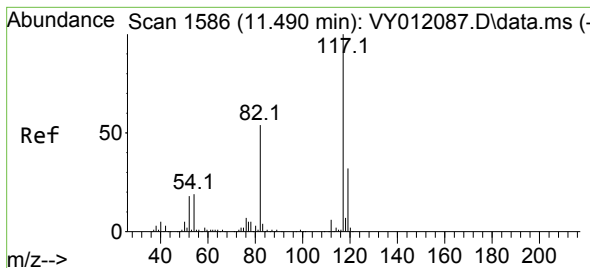
Ion Ratio Lower Upper

95 100

174 94.4 0.0 172.0

176 91.2 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: VY012295.D

Acq: 20 Jan 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

B-P-18B

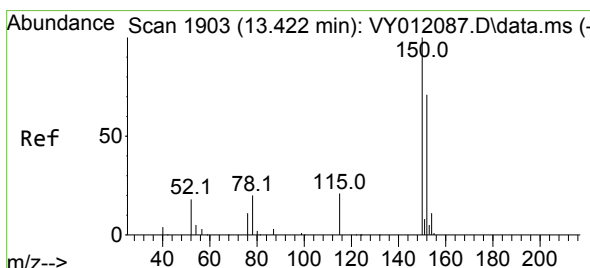
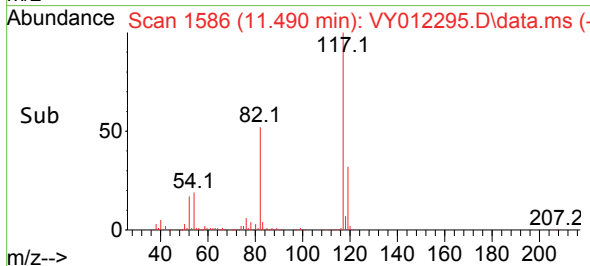
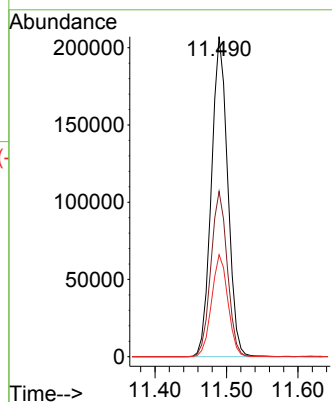
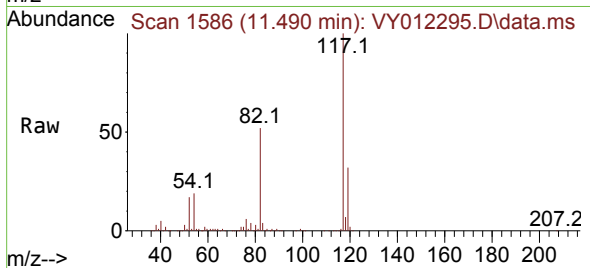
Tgt Ion:117 Resp: 328400

Ion Ratio Lower Upper

117 100

82 51.7 44.8 67.2

119 31.9 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: VY012295.D

Acq: 20 Jan 2023 17:00

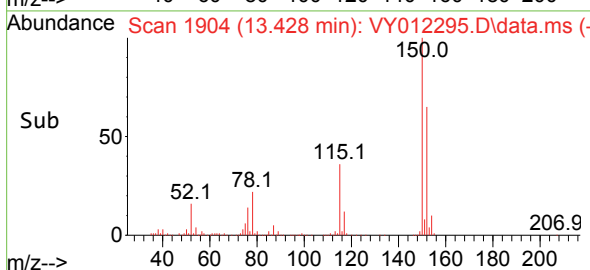
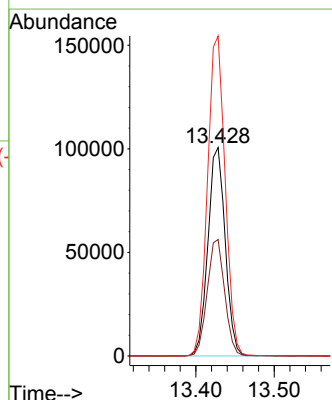
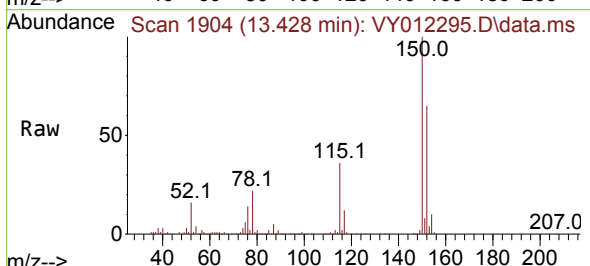
Tgt Ion:152 Resp: 154191

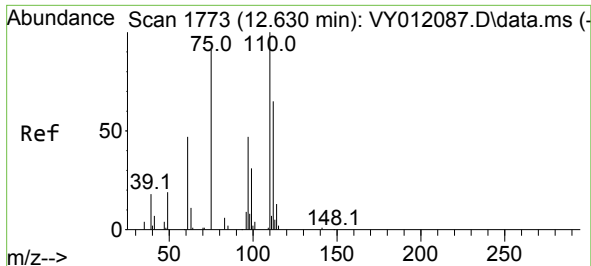
Ion Ratio Lower Upper

152 100

115 56.5 29.1 87.3

150 156.1 0.0 342.6

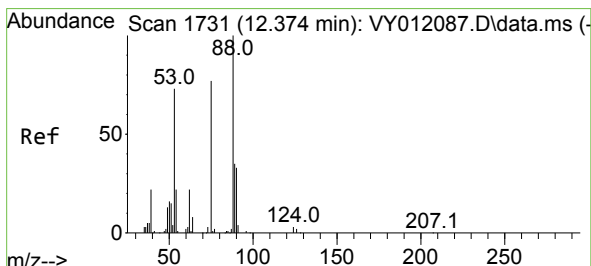
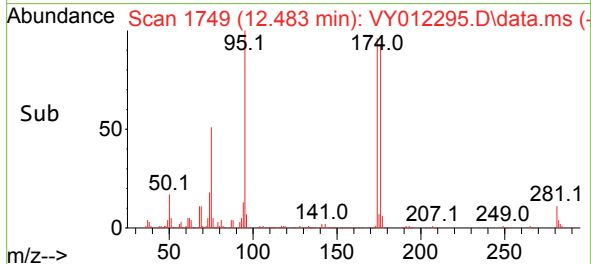
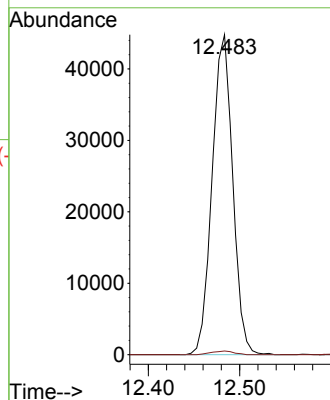
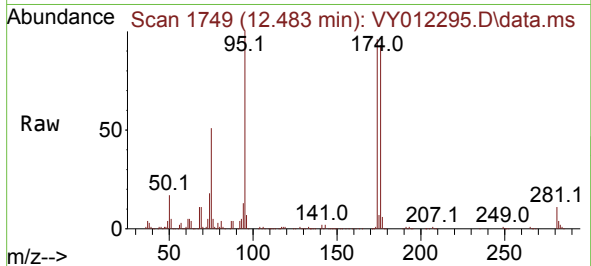




#76
1,2,3-Trichloropropane
Concen: 49.334 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012295.D
Acq: 20 Jan 2023 17:00

Instrument :
MSVOA_Y
ClientSampleId :
B-P-18B

Tgt Ion: 75 Resp: 69948
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.650 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012295.D
Acq: 20 Jan 2023 17:00

Tgt Ion: 75 Resp: 69948
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#

