

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
 Data File : VY012292.D
 Acq On : 20 Jan 2023 15:49
 Operator : KP/MD
 Sample : 01232-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P-17A

Quant Time: Jan 23 02:21:27 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)

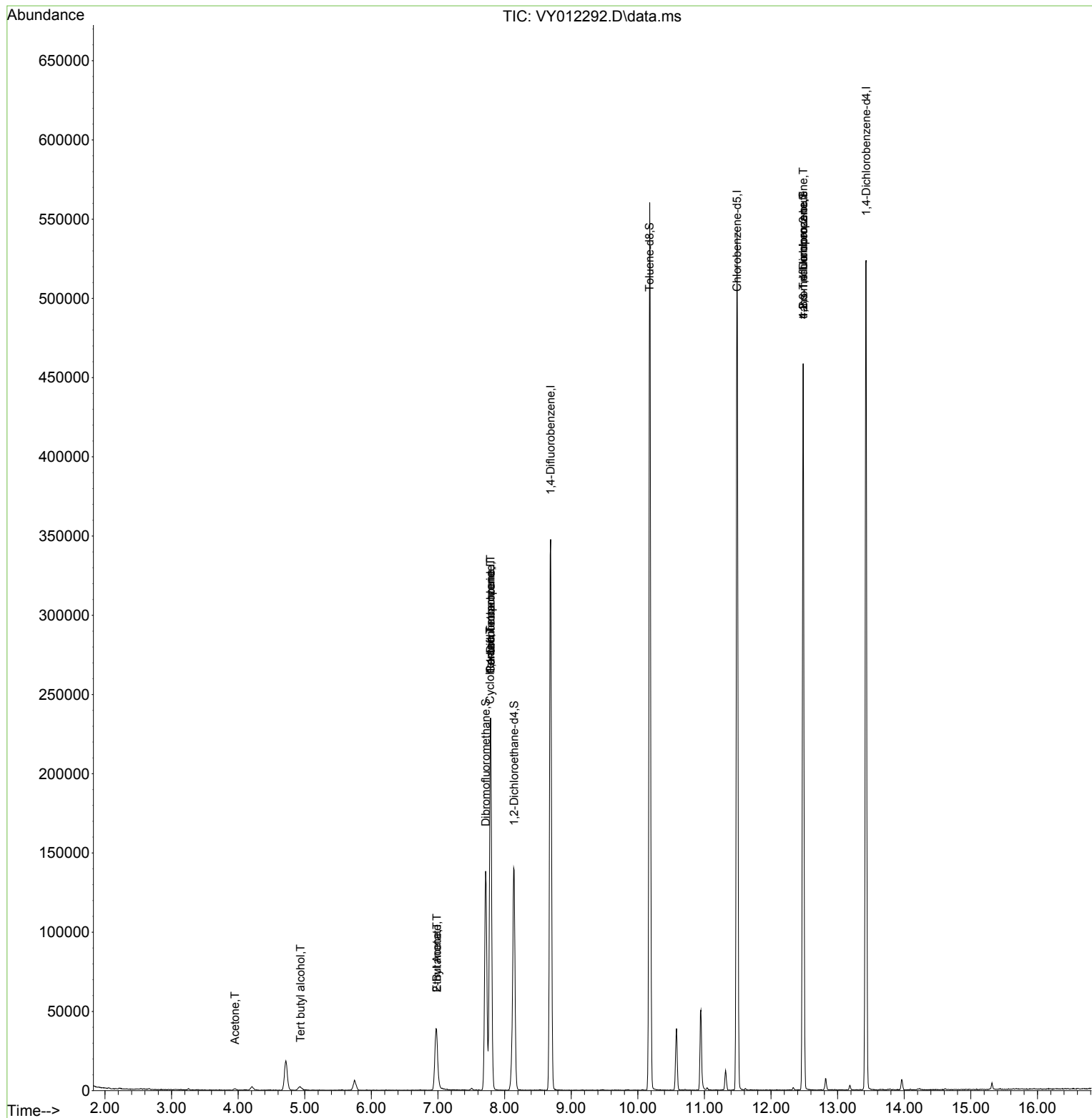
Internal Standards						
1) Pentafluorobenzene	7.789	168	188143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	315261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	309525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	144924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	108253	71.073	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 142.140%		
35) Dibromofluoromethane	7.716	113	96638	57.891	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 115.780%		
50) Toluene-d8	10.179	98	373368	65.934	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 131.860%		
62) 4-Bromofluorobenzene	12.483	95	129119	54.869	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 109.740%		
Target Compounds						
11) Tert butyl alcohol	4.936	59	2714	2.475	ug/l #	74
16) Acetone	3.954	43	1723	3.289	ug/l	98
20) Methylene Chloride	4.710	84	15464	Below Cal		91
25) 2-Butanone	6.984	43	1873	3.238	ug/l #	66
31) Cyclohexane	7.783	56	3265	1.190	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	12898	4.546	ug/l #	51
37) Ethyl Acetate	6.984	43	1873	1.498	ug/l #	1
38) Carbon Tetrachloride	7.789	117	18645	5.089	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	65919	49.465	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	65919	101.921	ug/l #	13

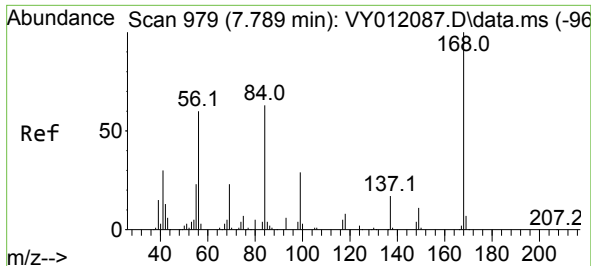
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
Data File : VY012292.D
Acq On : 20 Jan 2023 15:49
Operator : KP/MD
Sample : 01232-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-P-17A

Quant Time: Jan 23 02:21:27 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

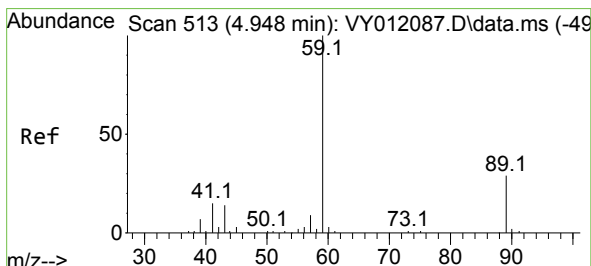
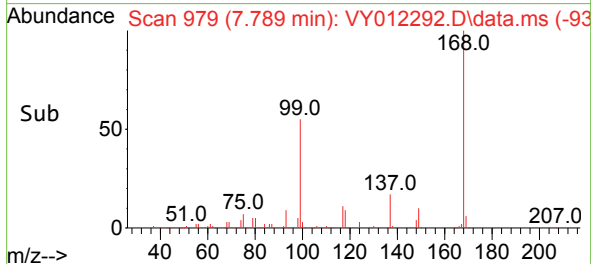
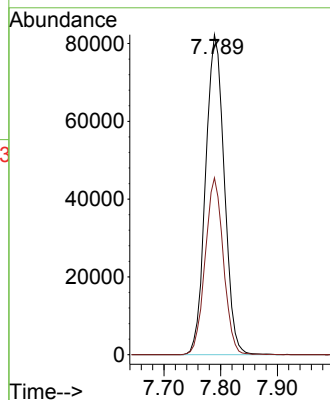
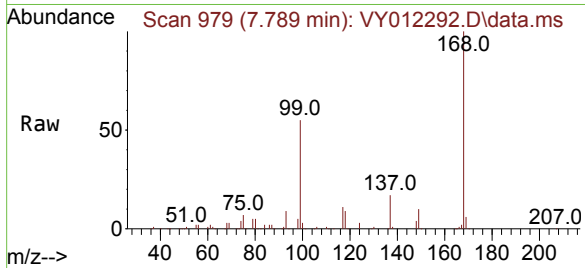




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012292.D
Acq: 20 Jan 2023 15:49

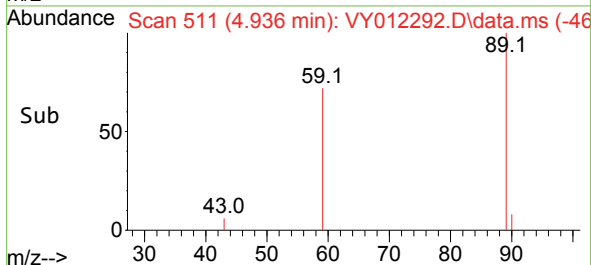
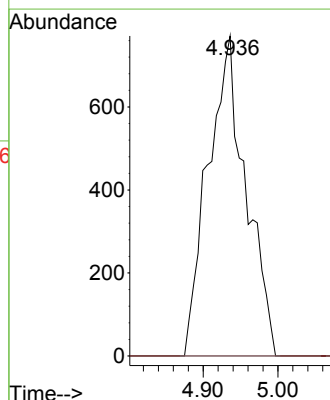
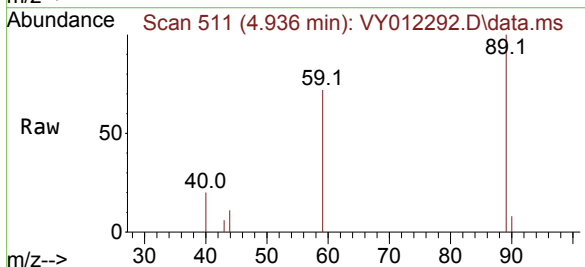
Instrument :
MSVOA_Y
ClientSampleId :
B-P-17A

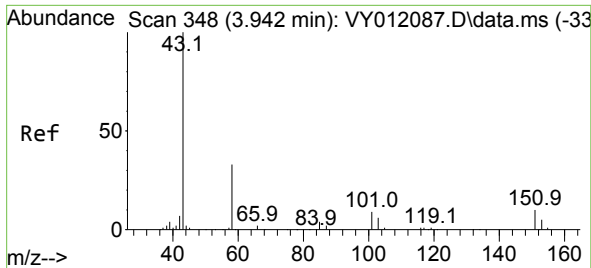
Tgt Ion:168 Resp: 188143
Ion Ratio Lower Upper
168 100
99 55.3 44.0 66.0



#11
Tert butyl alcohol
Concen: 2.475 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012292.D
Acq: 20 Jan 2023 15:49

Tgt Ion: 59 Resp: 2714
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 3.289 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY012292.D

Acq: 20 Jan 2023 15:49

Instrument :

MSVOA_Y

ClientSampleId :

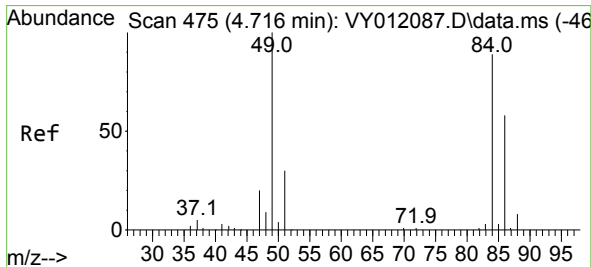
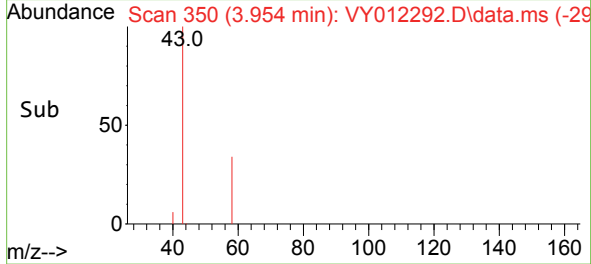
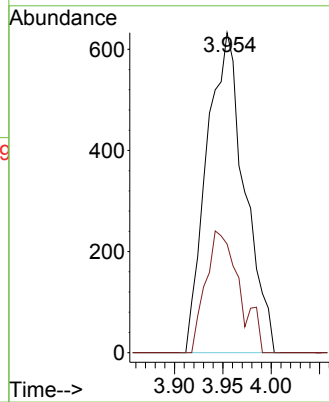
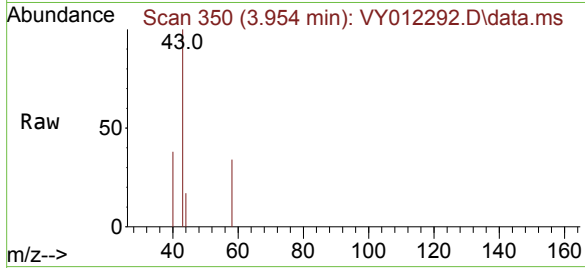
B-P-17A

Tgt Ion: 43 Resp: 1723

Ion Ratio Lower Upper

43 100

58 34.0 27.9 41.9



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY012292.D

Acq: 20 Jan 2023 15:49

Tgt Ion: 84 Resp: 15464

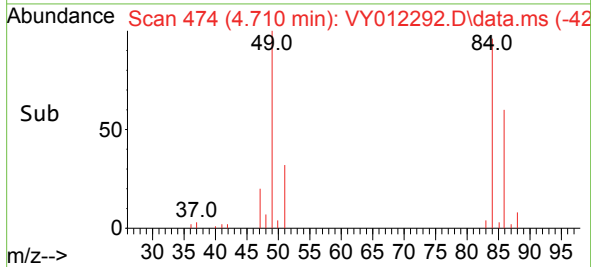
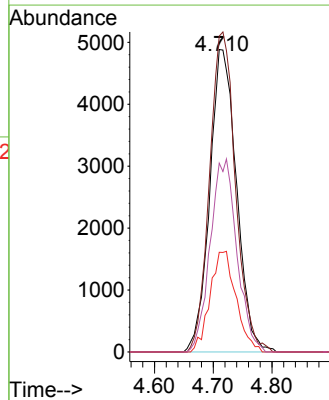
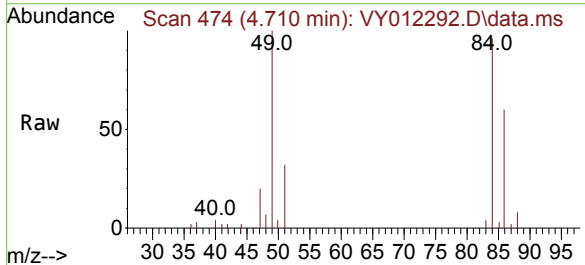
Ion Ratio Lower Upper

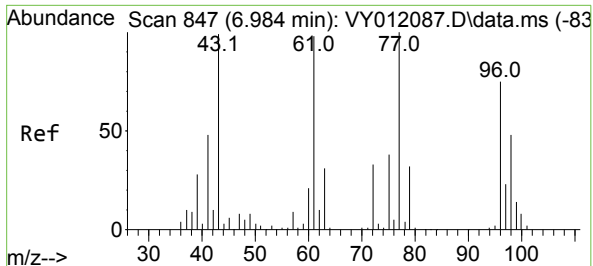
84 100

49 104.5 95.4 143.2

51 33.0 29.9 44.9

86 62.4 49.6 74.4





#25

2-Butanone

Concen: 3.238 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012292.D

Acq: 20 Jan 2023 15:49

Instrument :

MSVOA_Y

ClientSampleId :

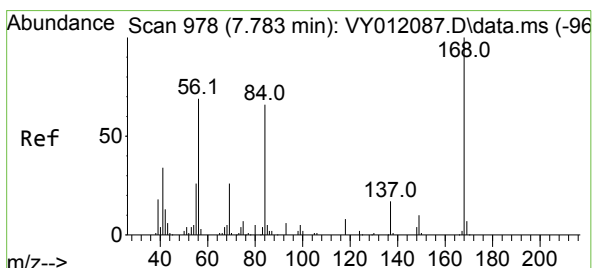
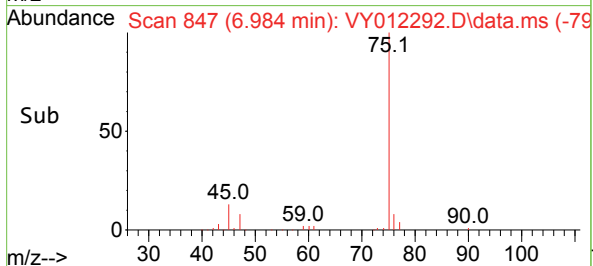
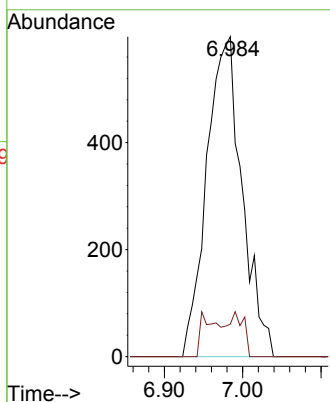
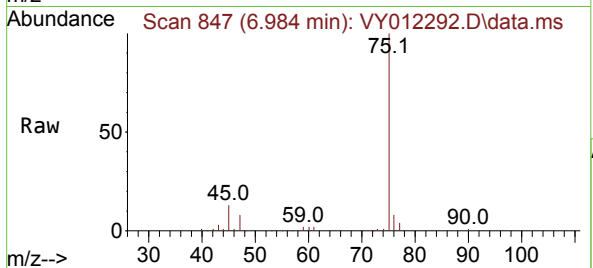
B-P-17A

Tgt Ion: 43 Resp: 1873

Ion Ratio Lower Upper

43 100

72 10.2 22.6 34.0#



#31

Cyclohexane

Concen: 1.190 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012292.D

Acq: 20 Jan 2023 15:49

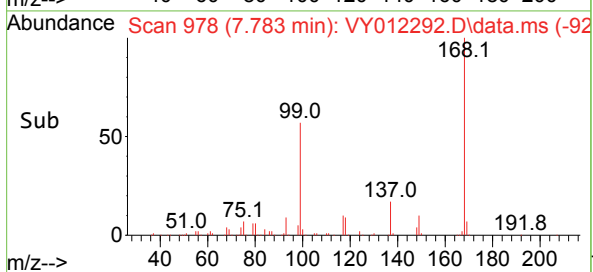
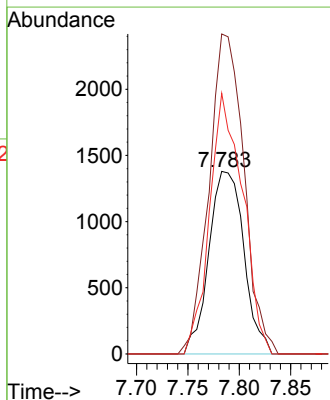
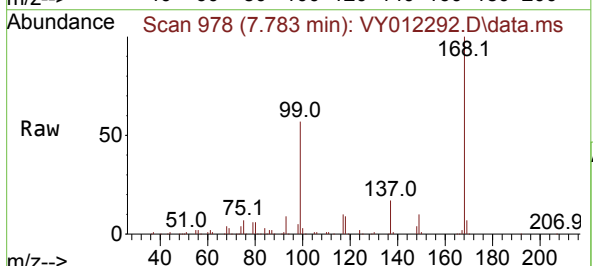
Tgt Ion: 56 Resp: 3265

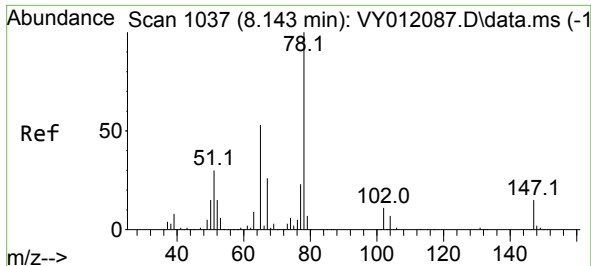
Ion Ratio Lower Upper

56 100

69 175.3 29.2 43.8#

84 142.8 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 71.073 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012292.D

Acq: 20 Jan 2023 15:49

Instrument :

MSVOA_Y

ClientSampleId :

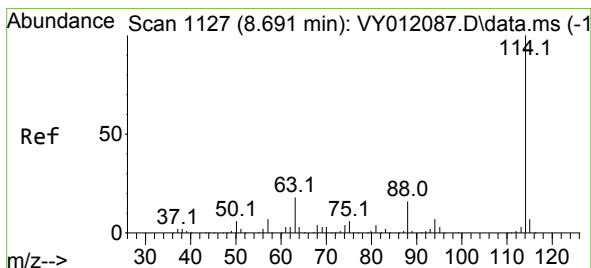
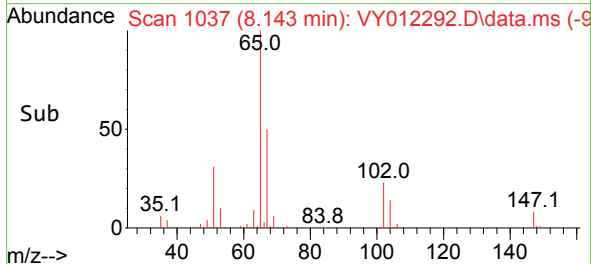
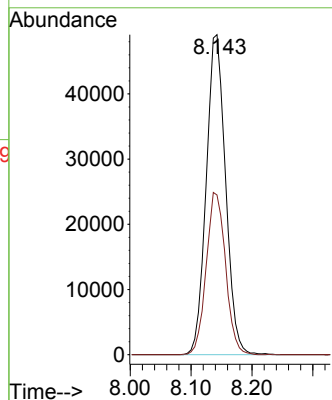
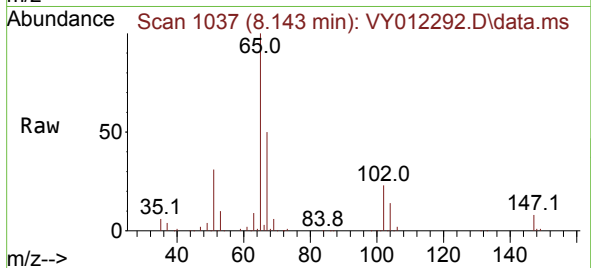
B-P-17A

Tgt Ion: 65 Resp: 108253

Ion Ratio Lower Upper

65 100

67 50.7 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: VY012292.D

Acq: 20 Jan 2023 15:49

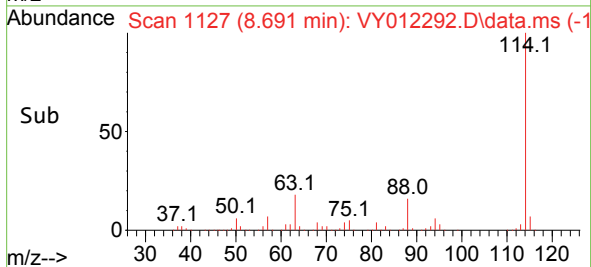
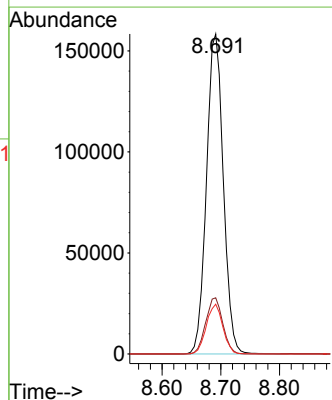
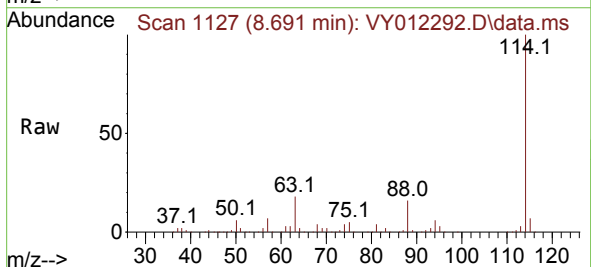
Tgt Ion:114 Resp: 315261

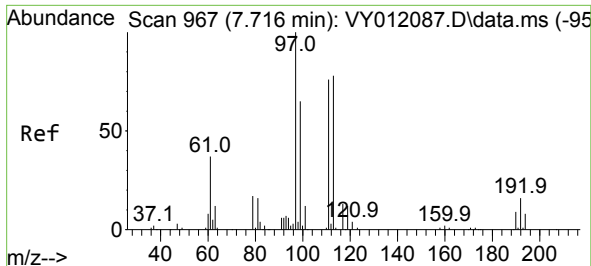
Ion Ratio Lower Upper

114 100

63 17.6 0.0 39.6

88 15.6 0.0 32.2

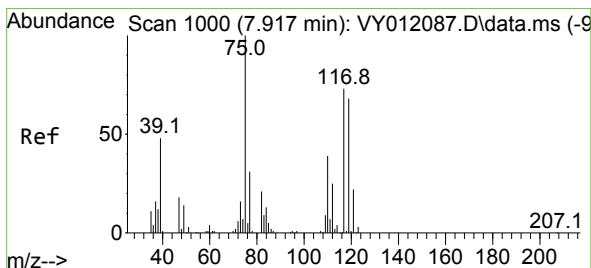
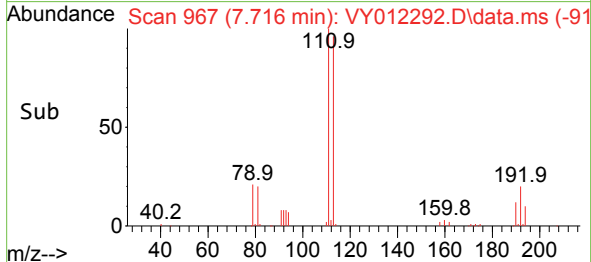
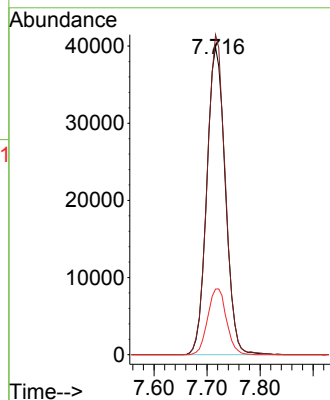
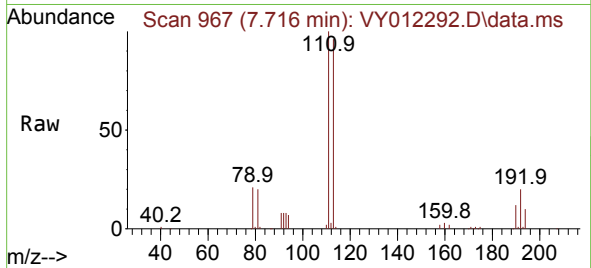




#35
Dibromofluoromethane
Concen: 57.891 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012292.D
Acq: 20 Jan 2023 15:49

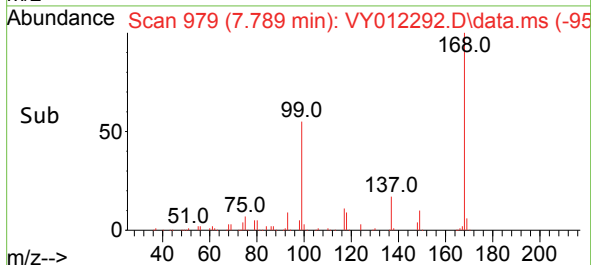
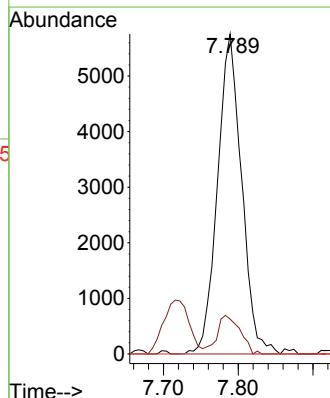
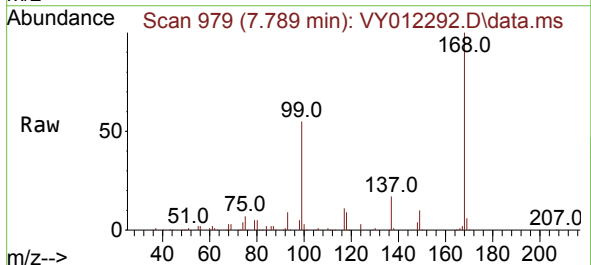
Instrument :
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B-P-17A

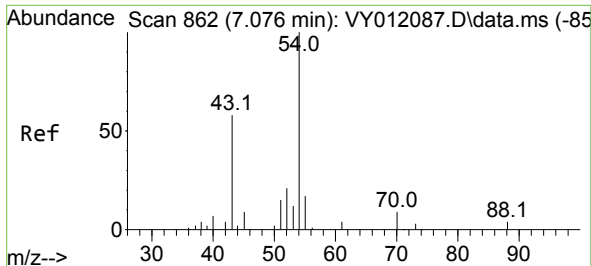
Tgt Ion:113 Resp: 96638
Ion Ratio Lower Upper
113 100
111 101.9 83.0 124.4
192 21.6 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.546 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012292.D
Acq: 20 Jan 2023 15:49

Tgt Ion: 75 Resp: 12898
Ion Ratio Lower Upper
75 100
110 11.5 18.1 54.1#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.498 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.092 min

Lab File: VY012292.D

Acq: 20 Jan 2023 15:49

Instrument :

MSVOA_Y

ClientSampleId :

B-P-17A

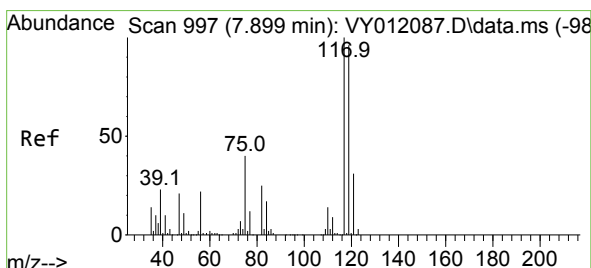
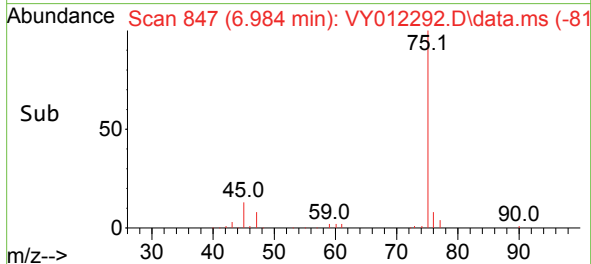
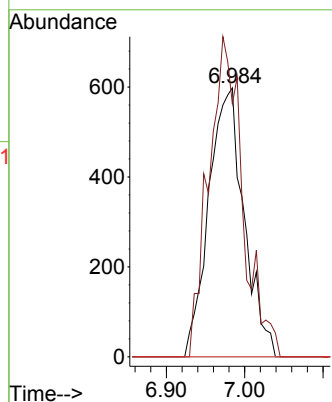
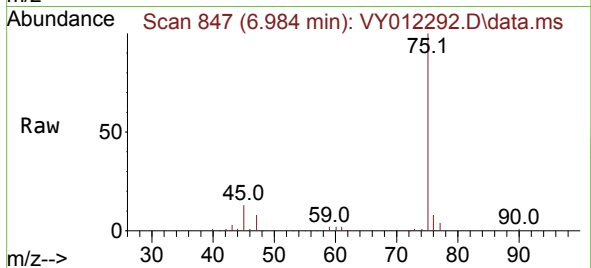
Tgt Ion: 43 Resp: 1873

Ion Ratio Lower Upper

43 100

61 114.5 11.3 16.9#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 5.089 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012292.D

Acq: 20 Jan 2023 15:49

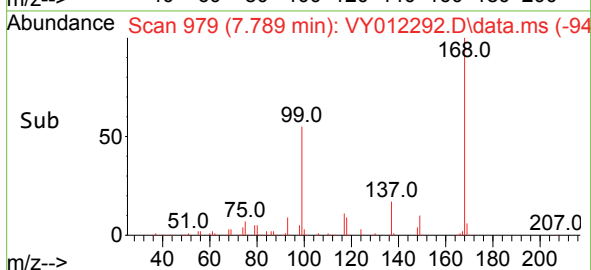
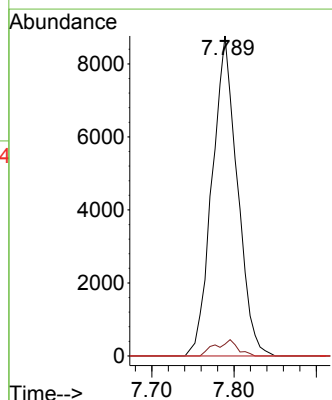
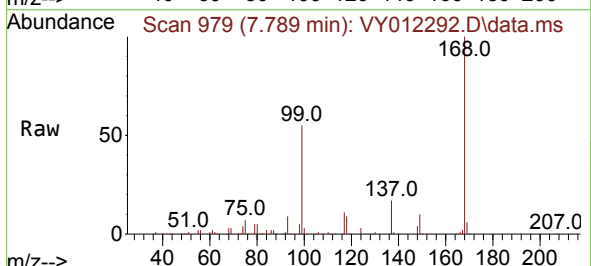
Tgt Ion: 117 Resp: 18645

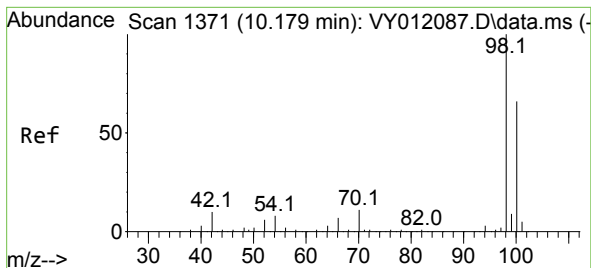
Ion Ratio Lower Upper

117 100

119 3.7 73.8 110.8#

121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 65.934 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012292.D

Acq: 20 Jan 2023 15:49

Instrument :

MSVOA_Y

ClientSampleId :

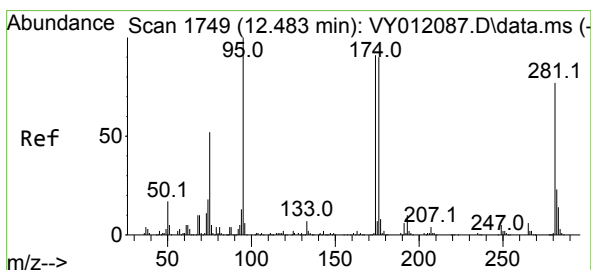
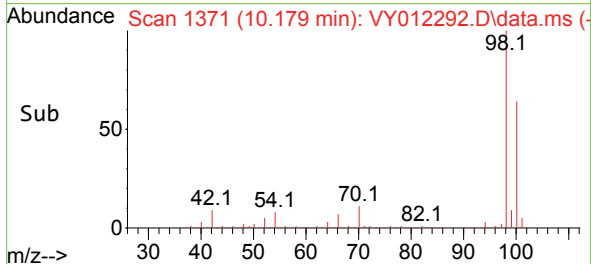
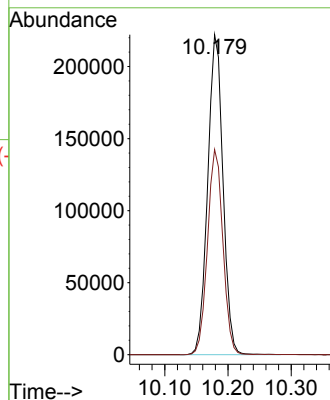
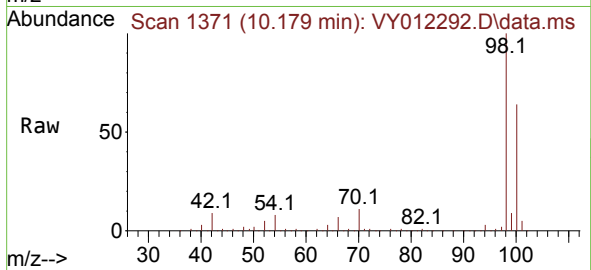
B-P-17A

Tgt Ion: 98 Resp: 373368

Ion Ratio Lower Upper

98 100

100 64.4 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 54.869 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012292.D

Acq: 20 Jan 2023 15:49

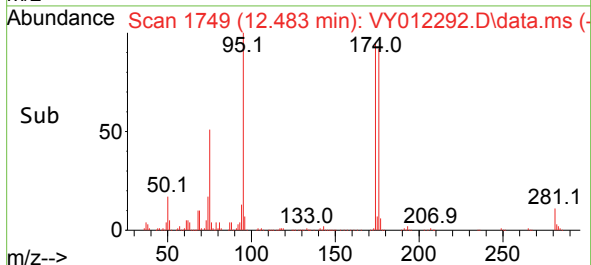
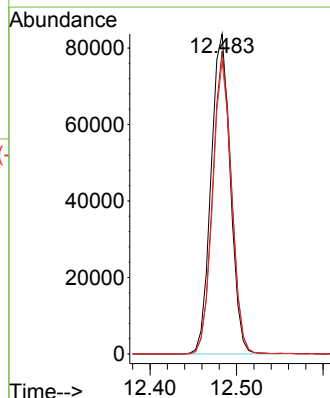
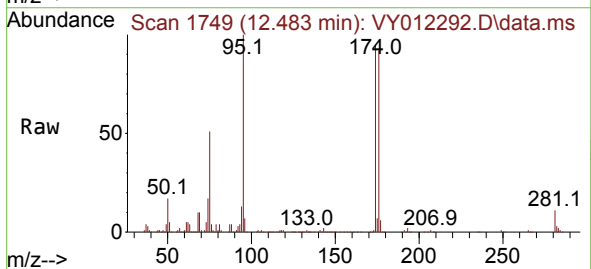
Tgt Ion: 95 Resp: 129119

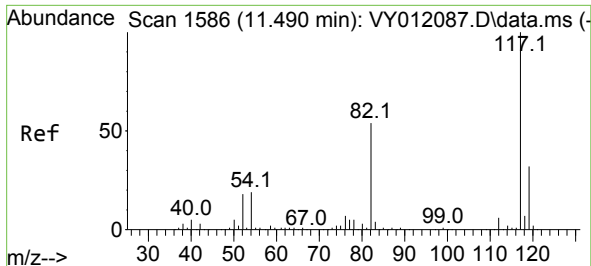
Ion Ratio Lower Upper

95 100

174 92.9 0.0 172.0

176 90.0 0.0 167.6

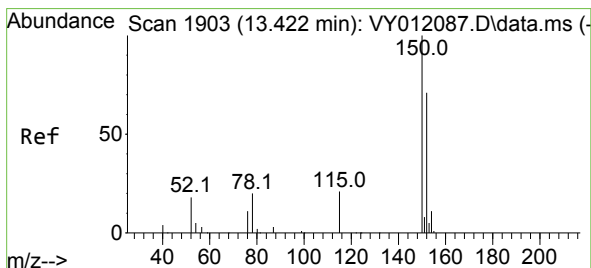
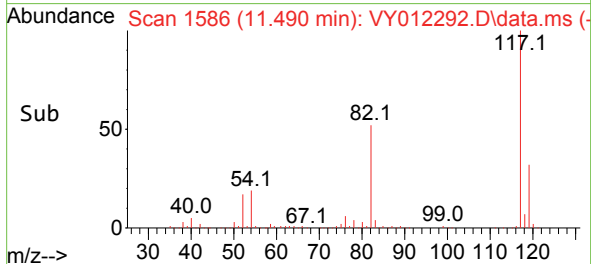
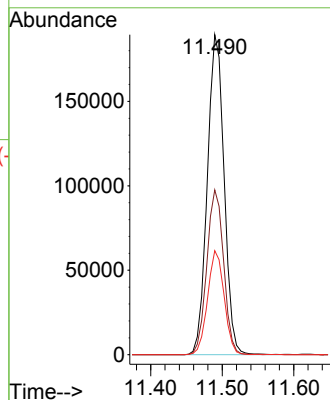
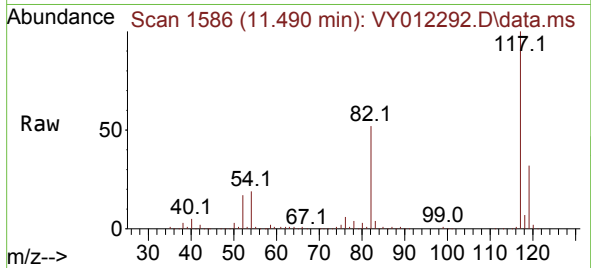




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012292.D
Acq: 20 Jan 2023 15:49

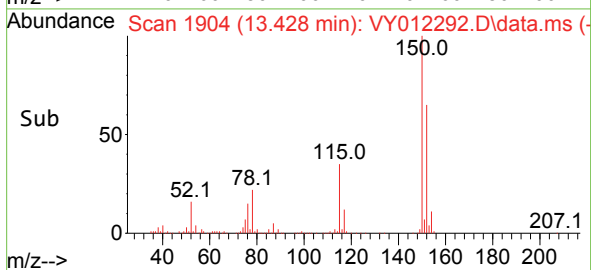
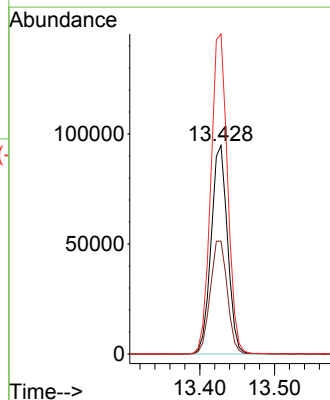
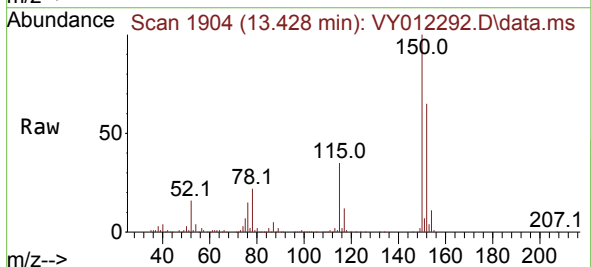
Instrument :
MSVOA_Y
ClientSampleId :
B-P-17A

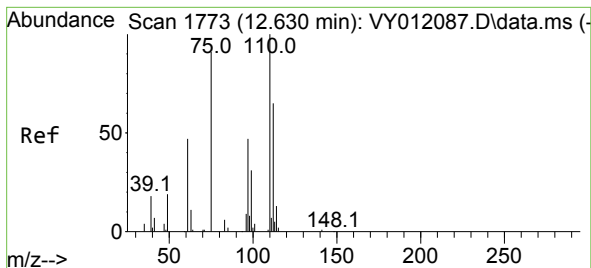
Tgt Ion:117 Resp: 309525
Ion Ratio Lower Upper
117 100
82 51.5 44.8 67.2
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012292.D
Acq: 20 Jan 2023 15:49

Tgt Ion:152 Resp: 144924
Ion Ratio Lower Upper
152 100
115 56.4 29.1 87.3
150 156.7 0.0 342.6





#76

1,2,3-Trichloropropane

Concen: 49.465 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012292.D

Acq: 20 Jan 2023 15:49

Instrument :

MSVOA_Y

ClientSampleId :

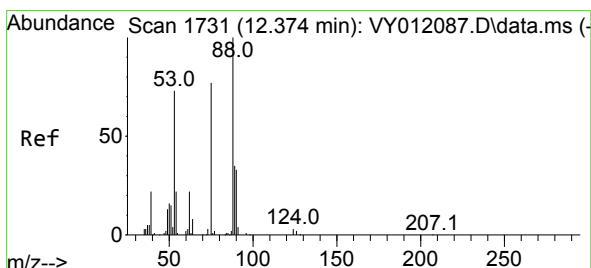
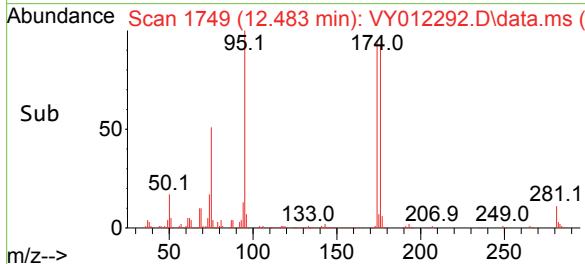
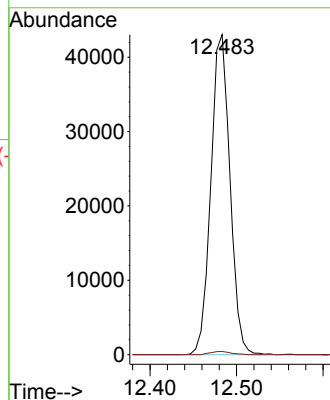
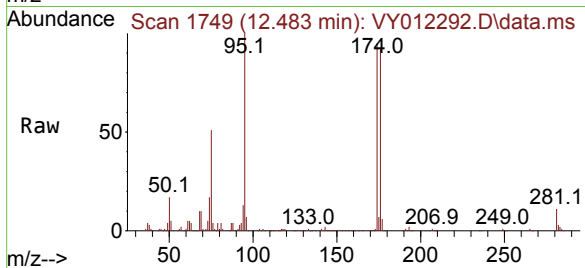
B-P-17A

Tgt Ion: 75 Resp: 65919

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 101.921 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.109 min

Lab File: VY012292.D

Acq: 20 Jan 2023 15:49

Tgt Ion: 75 Resp: 65919

Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.1 37.0 55.4#

