

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014802.D
 Acq On : 25 Jul 2023 15:22
 Operator : SY/MD
 Sample : 03742-03
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P32B

Quant Time: Jul 26 01:19:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

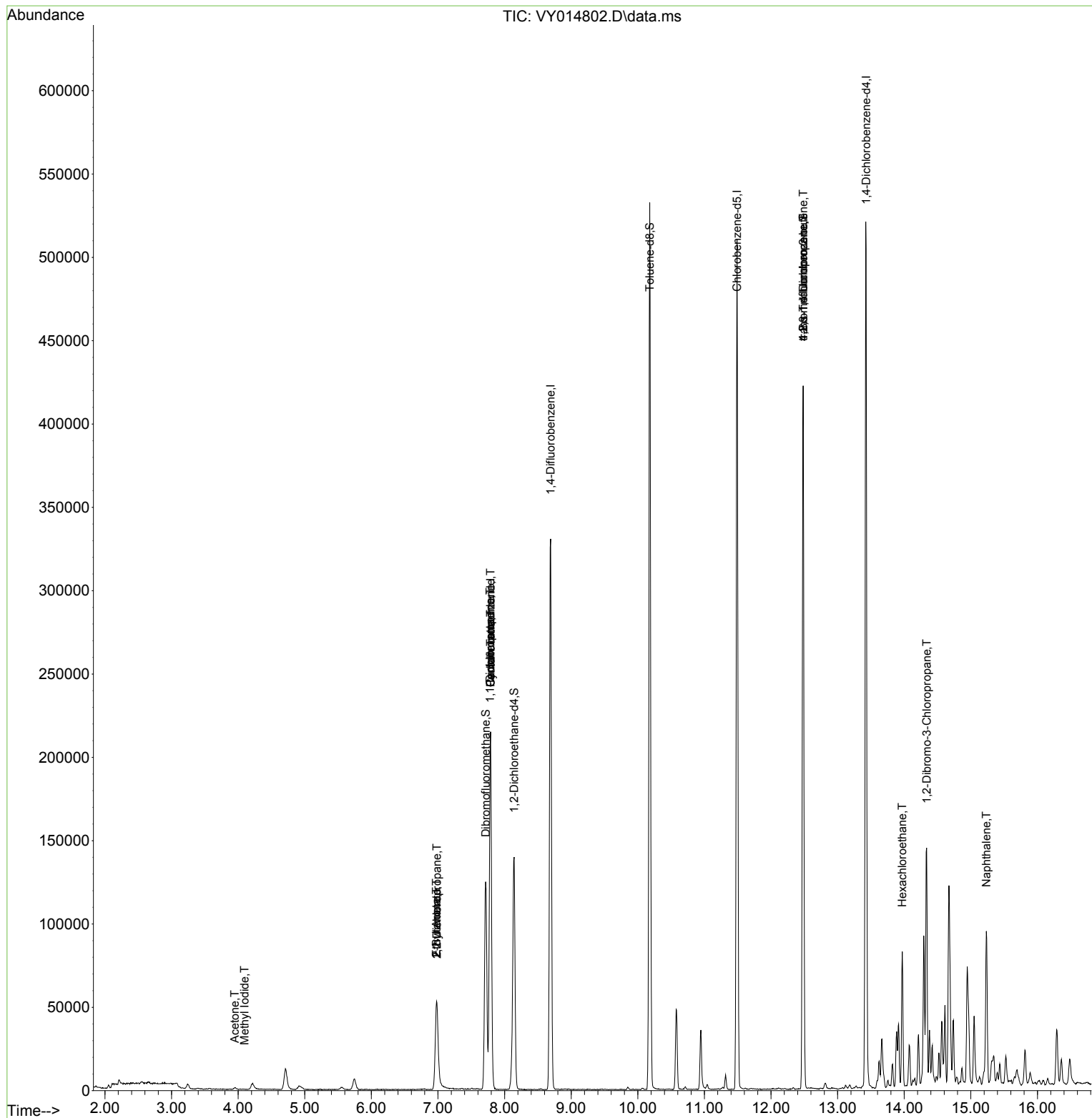
Internal Standards						
1) Pentafluorobenzene	7.789	168	164875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	291023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	273892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	105528	56.167	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.340%			
35) Dibromofluoromethane	7.716	113	91439	49.358	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.720%			
50) Toluene-d8	10.179	98	342808	50.191	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.380%			
62) 4-Bromofluorobenzene	12.483	95	128937	49.233	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.460%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.094	142	172	2.458	ug/l #	38
11) Tert butyl alcohol	4.917	59	2939	Below Cal	#	89
16) Acetone	3.948	43	1814	3.047	ug/l	94
25) 2-Butanone	6.978	43	3318	3.809	ug/l #	84
26) 2,2-Dichloropropane	6.984	77	4318	1.351	ug/l #	54
31) Cyclohexane	7.789	56	3741	1.199	ug/l #	11
36) 1,1-Dichloropropene	7.783	75	12499	4.511	ug/l #	50
37) Ethyl Acetate	6.978	43	3318	1.739	ug/l #	1
38) Carbon Tetrachloride	7.789	117	16518	5.640	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	68621	39.884	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	68621	77.223	ug/l #	10
90) Hexachloroethane	13.971	117	3643	1.874	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.336	75	656	1.410	ug/l #	3
95) Naphthalene	15.233	128	75722	11.793	ug/l	98

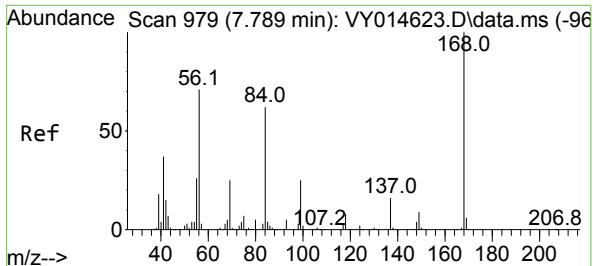
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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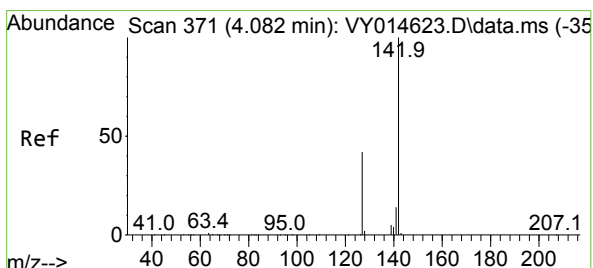
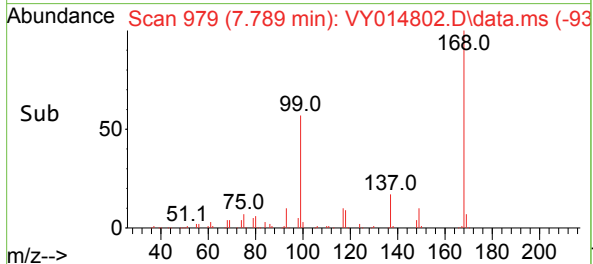
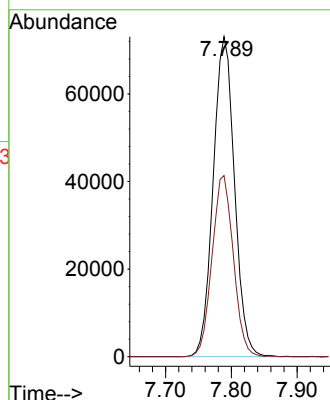
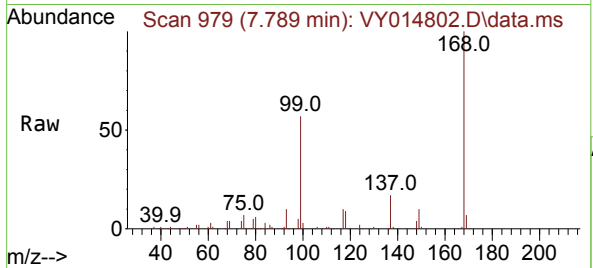




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014802.D
Acq: 25 Jul 2023 15:22

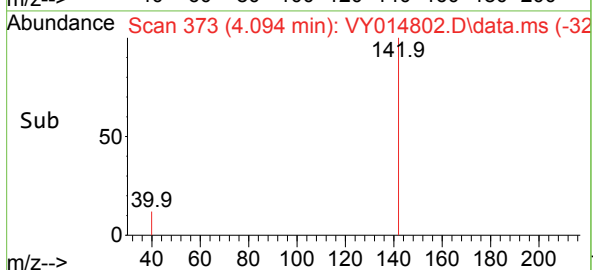
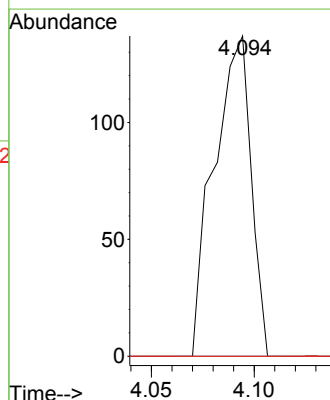
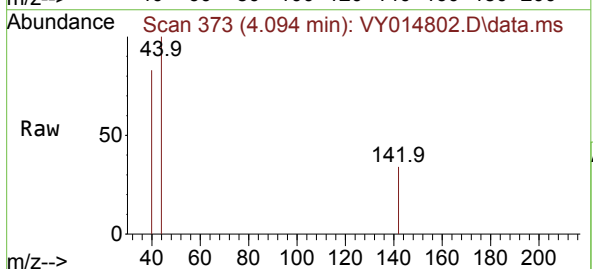
Instrument :
MSVOA_Y
ClientSampleId :
B-P32B

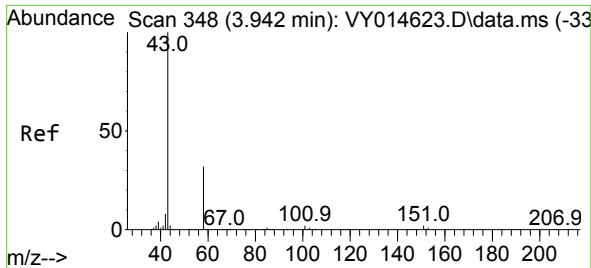
Tgt Ion:168 Resp: 164875
Ion Ratio Lower Upper
168 100
99 56.6 43.4 65.0



#10
Methyl Iodide
Concen: 2.458 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY014802.D
Acq: 25 Jul 2023 15:22

Tgt Ion:142 Resp: 172
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

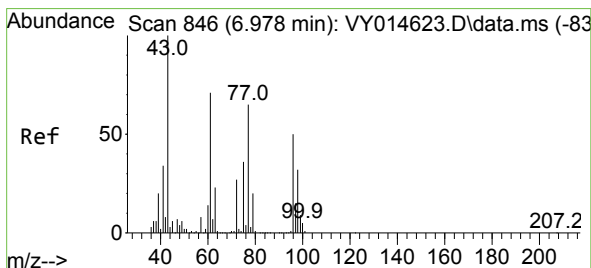
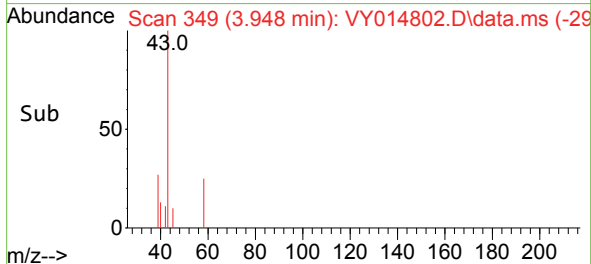
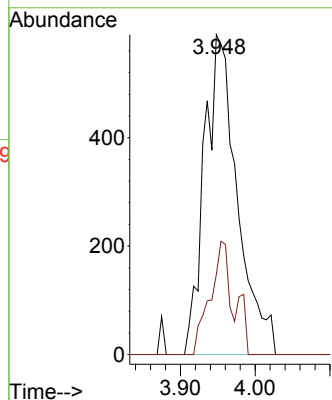
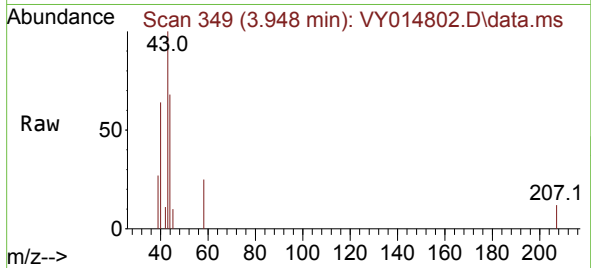




#16
Acetone
Concen: 3.047 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014802.D
Acq: 25 Jul 2023 15:22

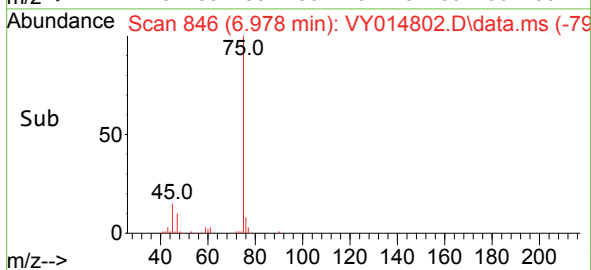
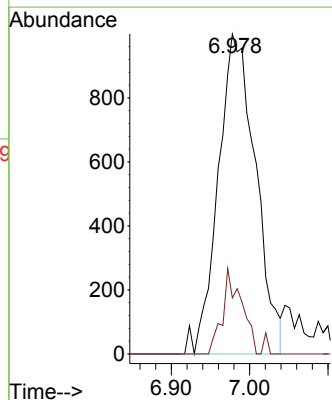
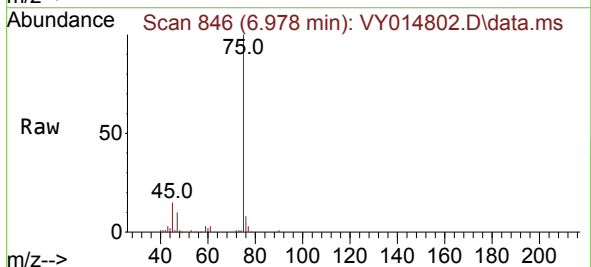
Instrument :
MSVOA_Y
ClientSampleId :
B-P32B

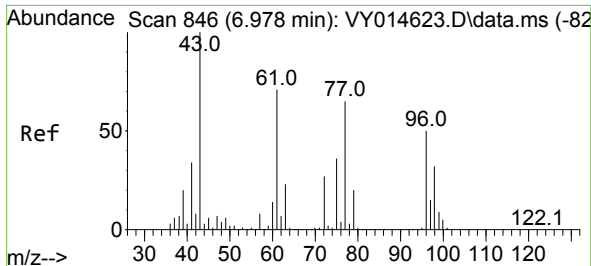
Tgt Ion: 43 Resp: 1814
Ion Ratio Lower Upper
43 100
58 25.1 22.7 34.1



#25
2-Butanone
Concen: 3.809 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY014802.D
Acq: 25 Jul 2023 15:22

Tgt Ion: 43 Resp: 3318
Ion Ratio Lower Upper
43 100
72 17.5 20.5 30.7#

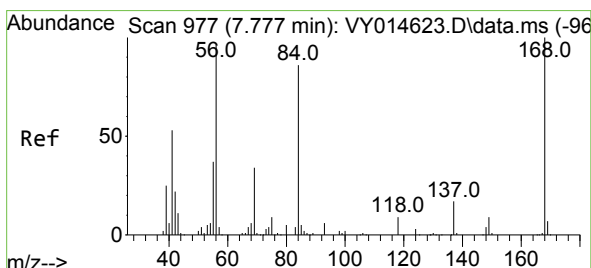
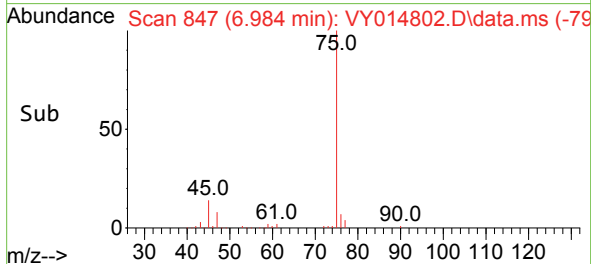
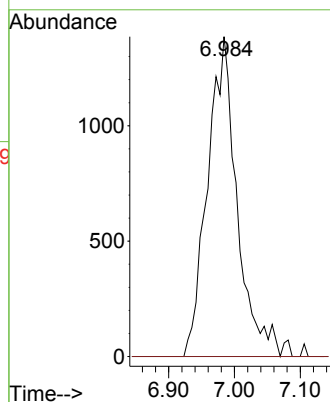
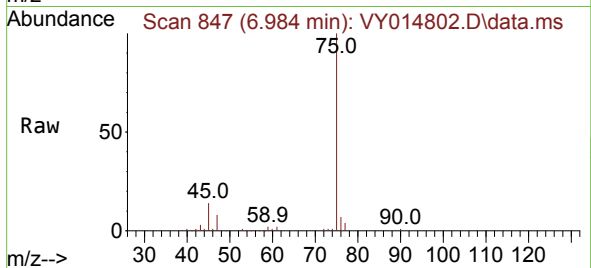




#26
2,2-Dichloropropane
Concen: 1.351 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014802.D
Acq: 25 Jul 2023 15:22

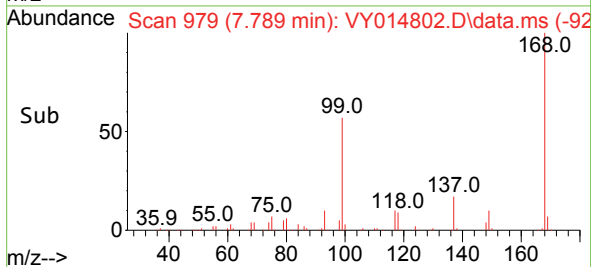
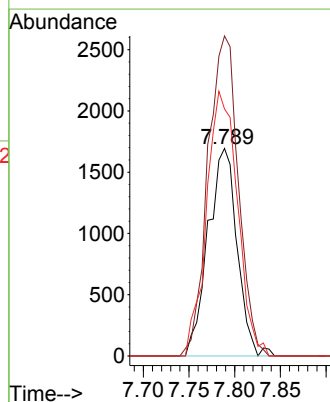
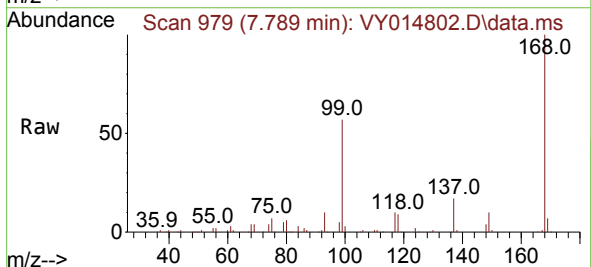
Instrument :
MSVOA_Y
ClientSampleId :
B-P32B

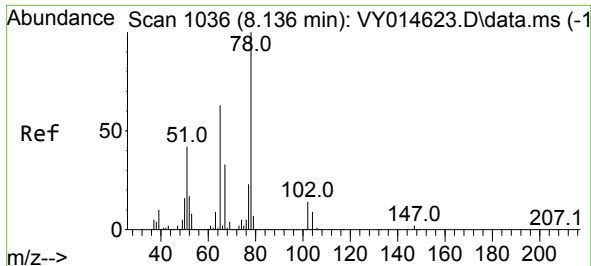
Tgt Ion: 77 Resp: 4318
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.199 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY014802.D
Acq: 25 Jul 2023 15:22

Tgt Ion: 56 Resp: 3741
Ion Ratio Lower Upper
56 100
69 154.2 27.8 41.6#
84 119.0 66.4 99.6#

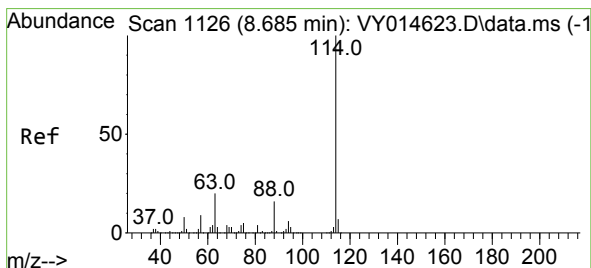
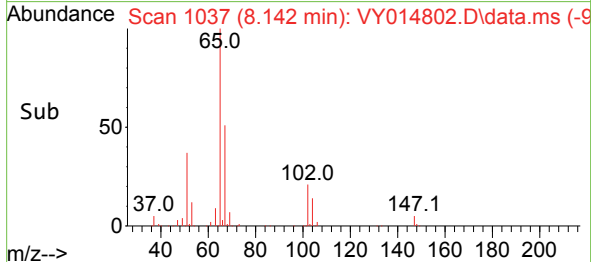
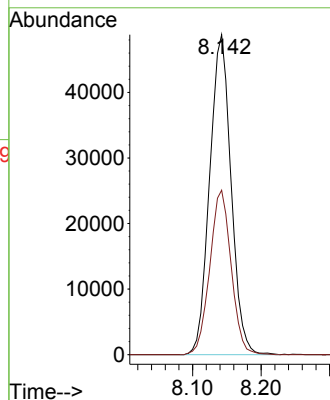
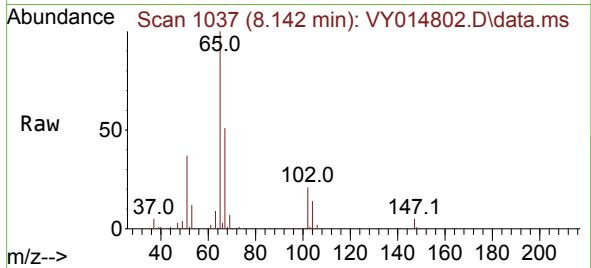




#33
 1,2-Dichloroethane-d4
 Concen: 56.167 ug/l
 RT: 8.142 min Scan# 1103
 Delta R.T. 0.006 min
 Lab File: VY014802.D
 Acq: 25 Jul 2023 15:22

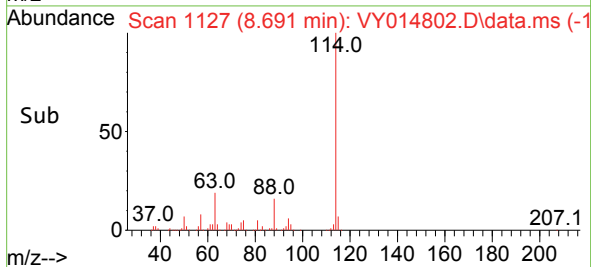
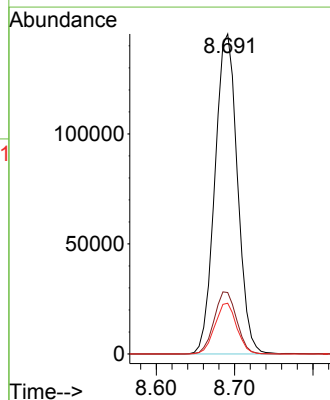
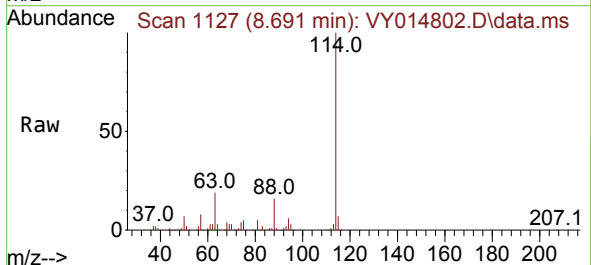
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P32B

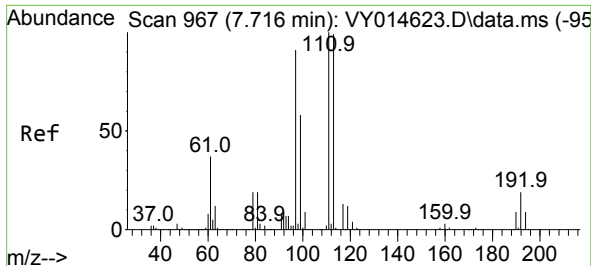
Tgt Ion: 65 Resp: 105528
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY014802.D
 Acq: 25 Jul 2023 15:22

Tgt Ion:114 Resp: 291023
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 42.4
 88 15.8 0.0 30.6

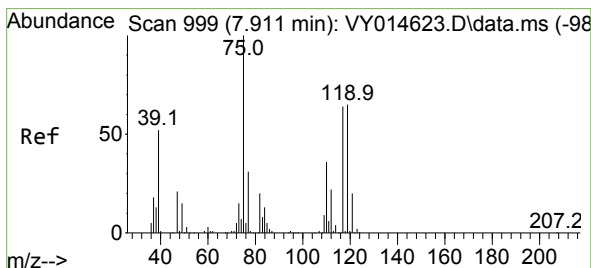
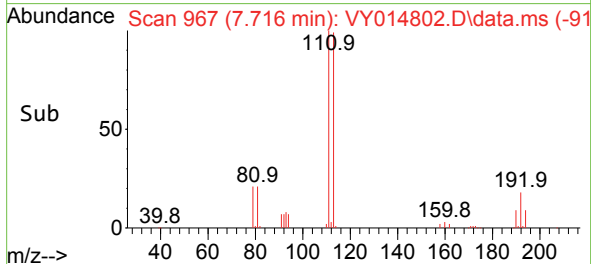
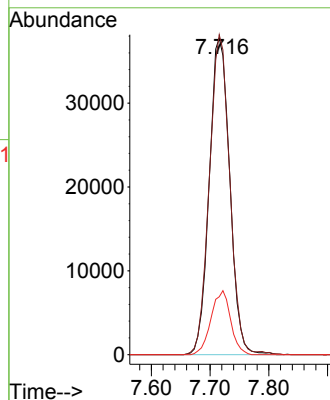
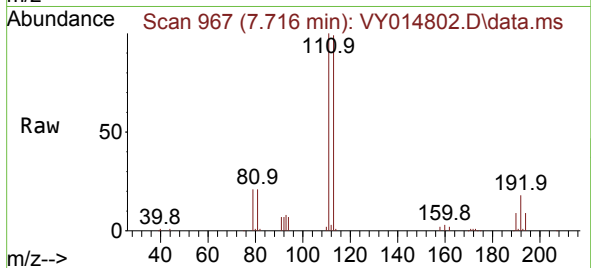




#35
Dibromofluoromethane
Concen: 49.358 ug/l
RT: 7.716 min Scan# 914
Delta R.T. -0.000 min
Lab File: VY014802.D
Acq: 25 Jul 2023 15:22

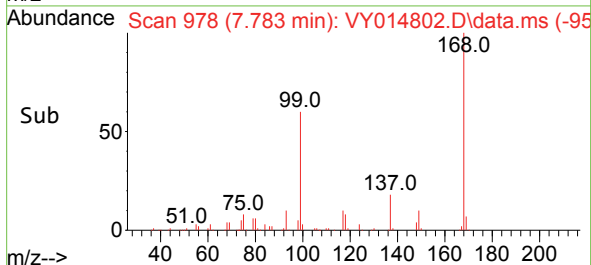
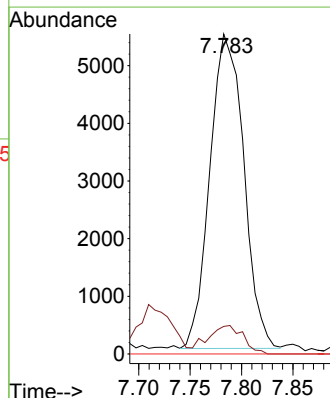
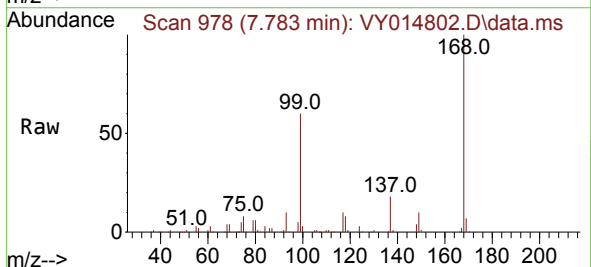
Instrument :
MSVOA_Y
ClientSampleId :
B-P32B

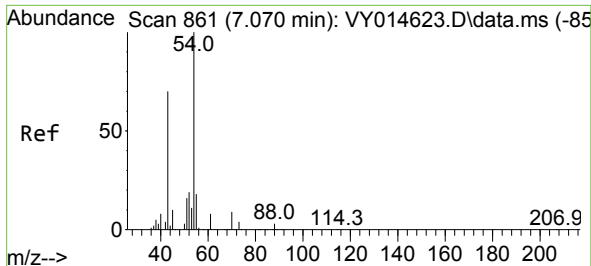
Tgt Ion:113 Resp: 91439
Ion Ratio Lower Upper
113 100
111 100.7 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.511 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014802.D
Acq: 25 Jul 2023 15:22

Tgt Ion: 75 Resp: 12499
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.739 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY014802.D

Acq: 25 Jul 2023 15:22

Instrument :

MSVOA_Y

ClientSampleId :

B-P32B

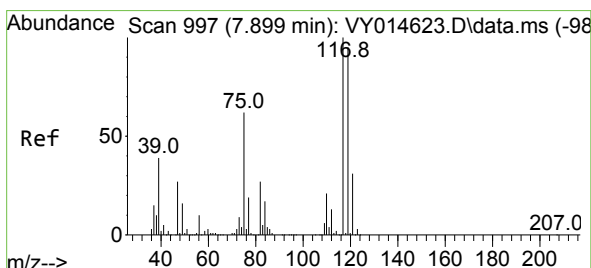
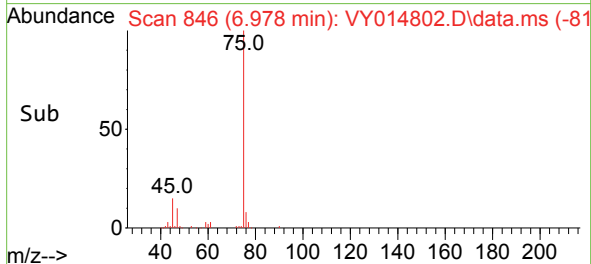
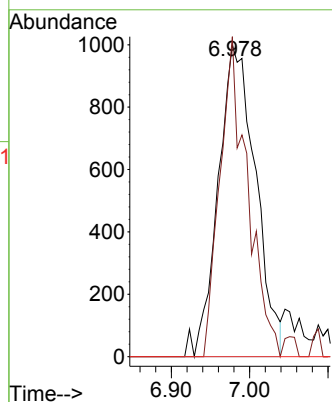
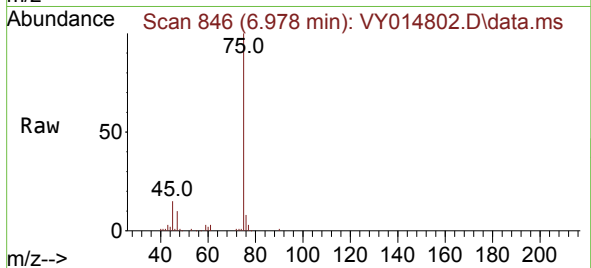
Tgt Ion: 43 Resp: 3318

Ion Ratio Lower Upper

43 100

61 75.9 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.640 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY014802.D

Acq: 25 Jul 2023 15:22

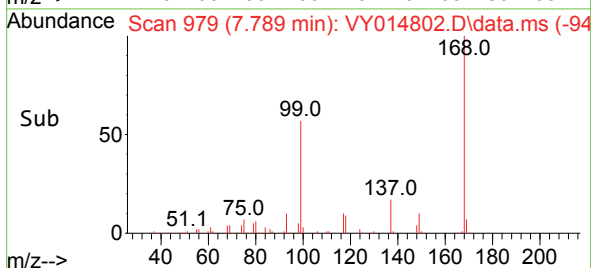
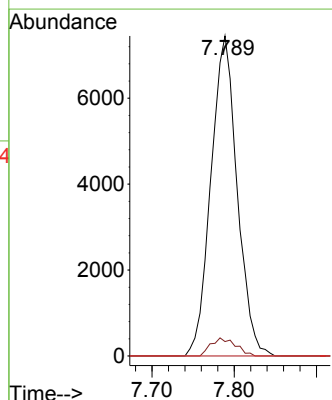
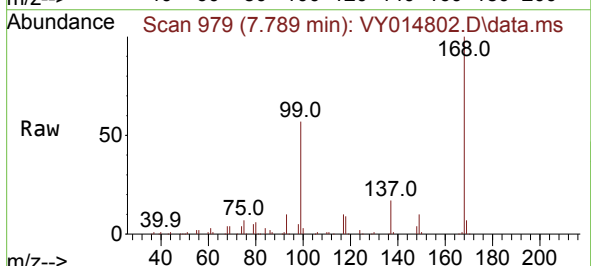
Tgt Ion: 117 Resp: 16518

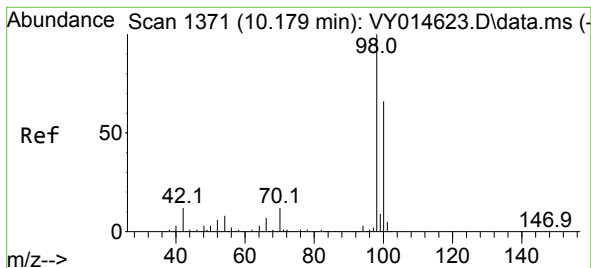
Ion Ratio Lower Upper

117 100

119 4.5 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.191 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014802.D

Acq: 25 Jul 2023 15:22

Instrument :

MSVOA_Y

ClientSampleId :

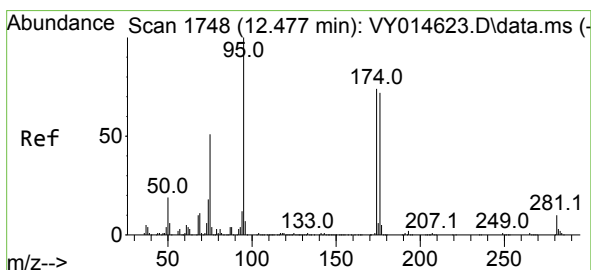
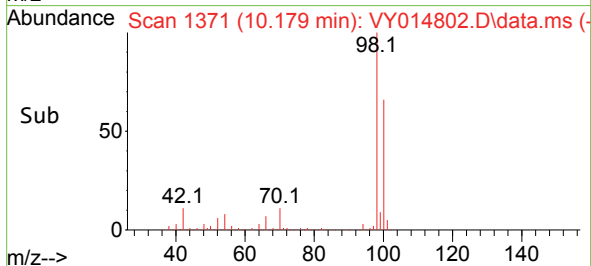
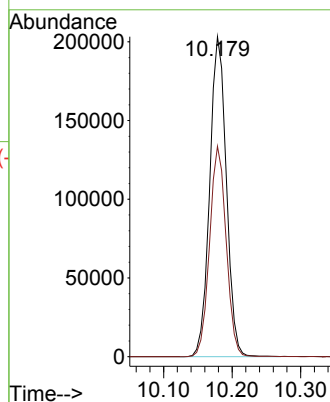
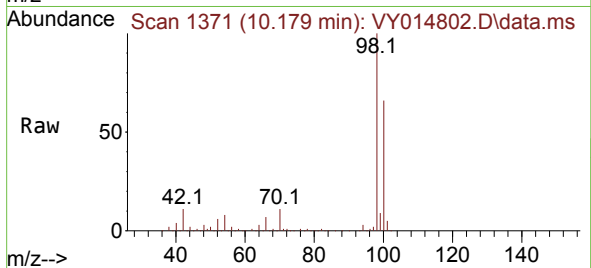
B-P32B

Tgt Ion: 98 Resp: 342808

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 49.233 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY014802.D

Acq: 25 Jul 2023 15:22

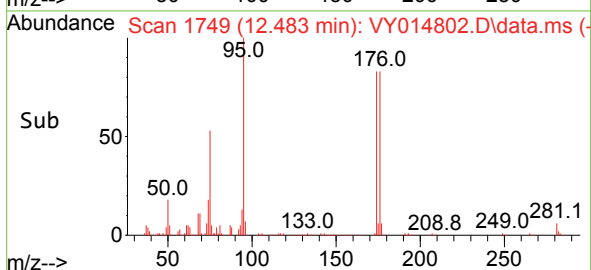
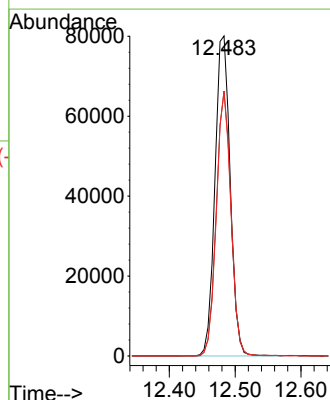
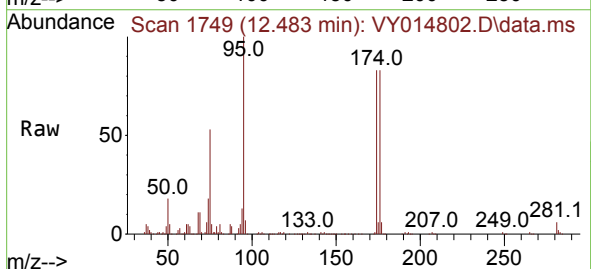
Tgt Ion: 95 Resp: 128937

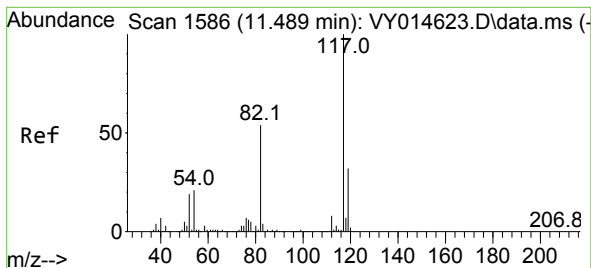
Ion Ratio Lower Upper

95 100

174 80.4 0.0 178.2

176 78.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014802.D

Acq: 25 Jul 2023 15:22

Instrument :

MSVOA_Y

ClientSampleId :

B-P32B

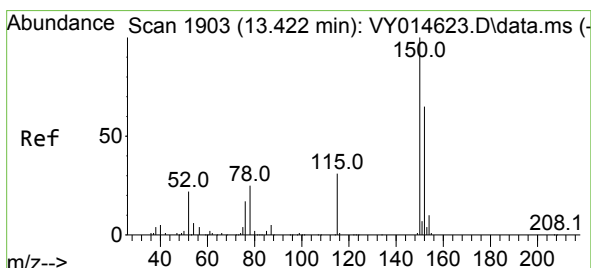
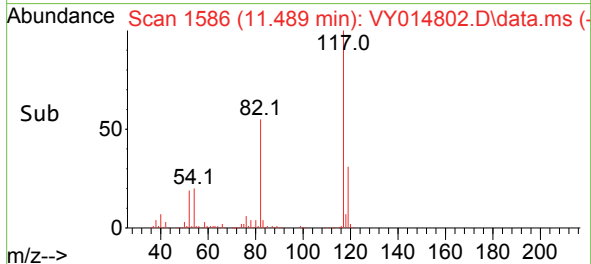
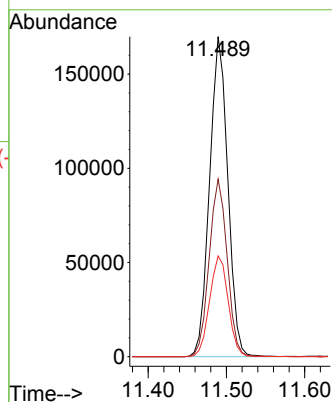
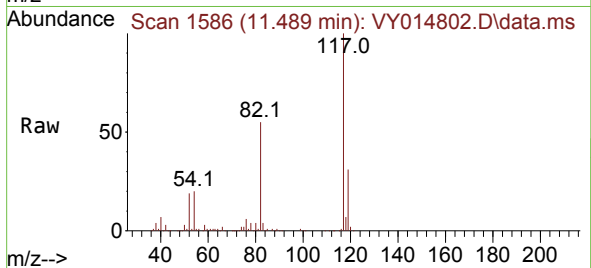
Tgt Ion:117 Resp: 273892

Ion Ratio Lower Upper

117 100

82 55.4 43.4 65.0

119 31.5 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY014802.D

Acq: 25 Jul 2023 15:22

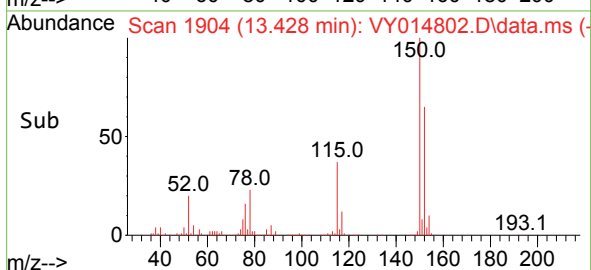
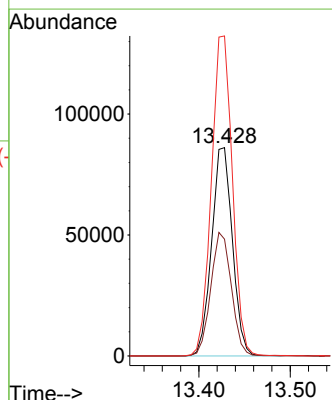
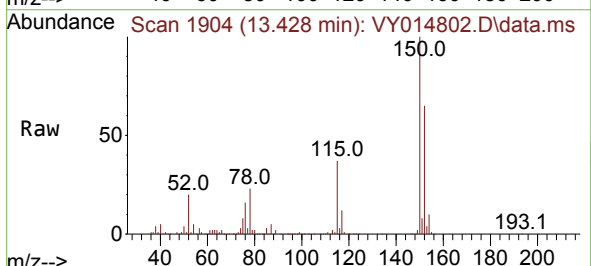
Tgt Ion:152 Resp: 136226

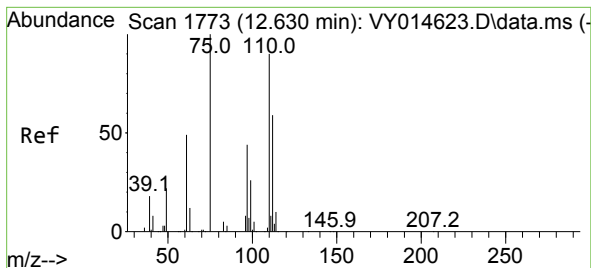
Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 155.1 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 39.884 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY014802.D

Acq: 25 Jul 2023 15:22

Instrument :

MSVOA_Y

ClientSampleId :

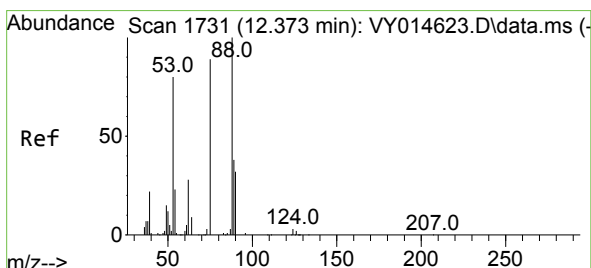
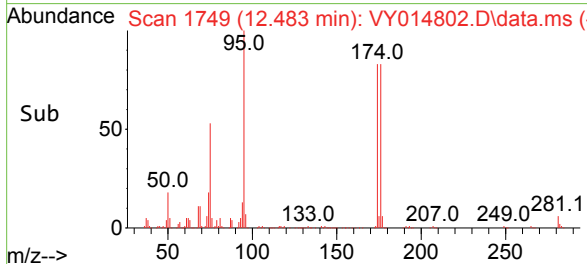
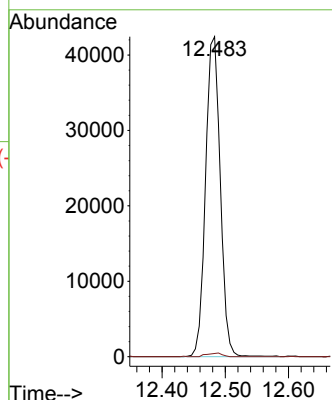
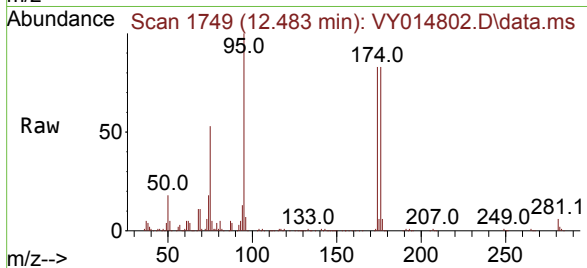
B-P32B

Tgt Ion: 75 Resp: 68621

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.223 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY014802.D

Acq: 25 Jul 2023 15:22

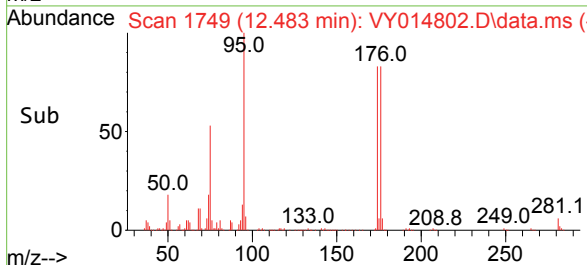
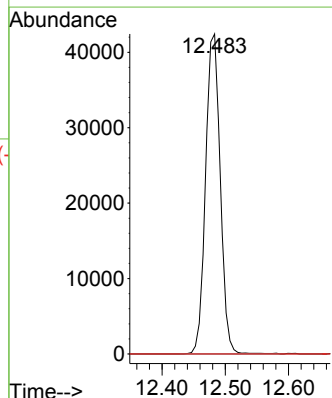
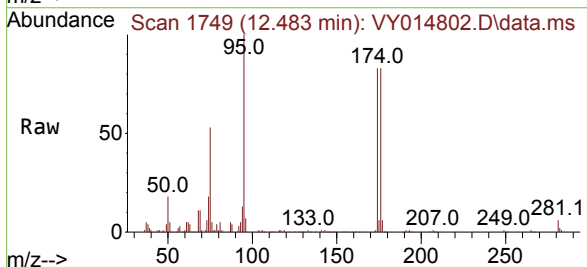
Tgt Ion: 75 Resp: 68621

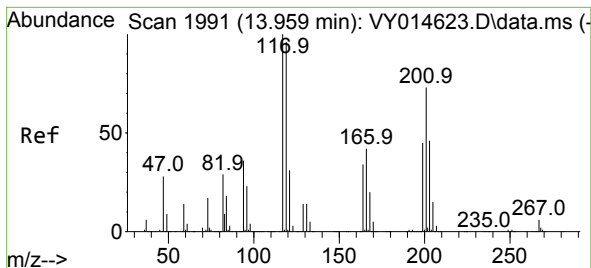
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#





#90

Hexachloroethane

Concen: 1.874 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY014802.D

Acq: 25 Jul 2023 15:22

Instrument :

MSVOA_Y

ClientSampleId :

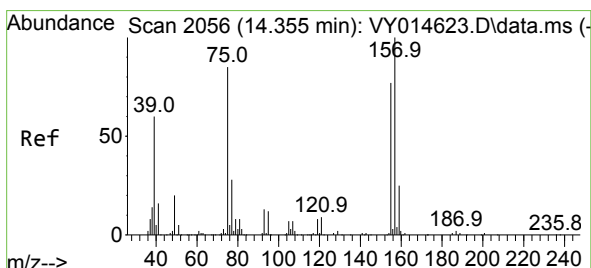
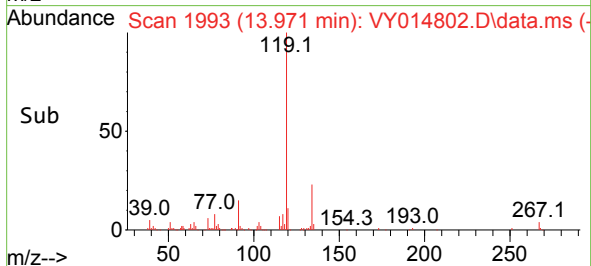
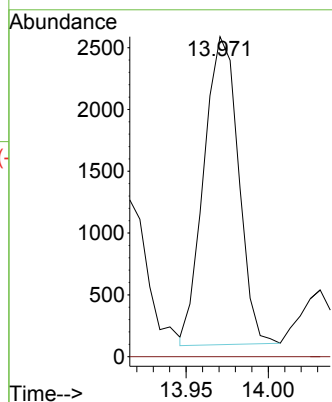
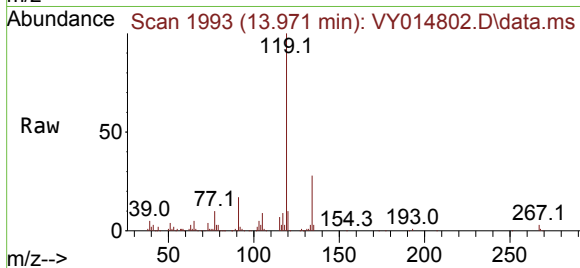
B-P32B

Tgt Ion:117 Resp: 3643

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.410 ug/l

RT: 14.336 min Scan# 2053

Delta R.T. -0.019 min

Lab File: VY014802.D

Acq: 25 Jul 2023 15:22

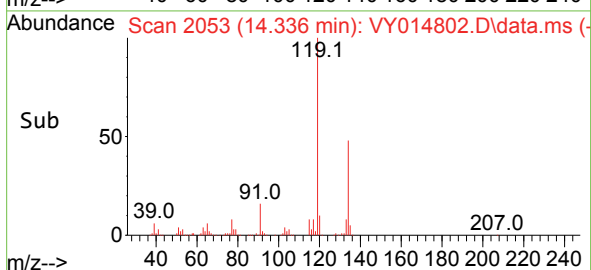
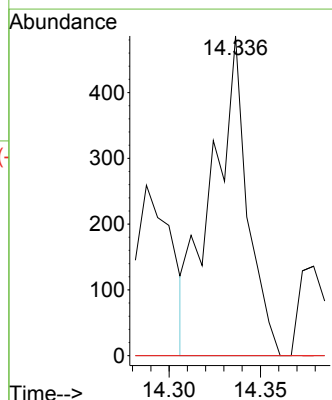
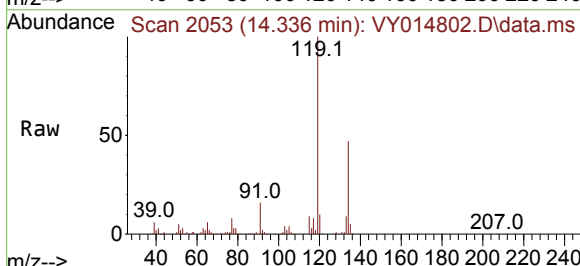
Tgt Ion: 75 Resp: 656

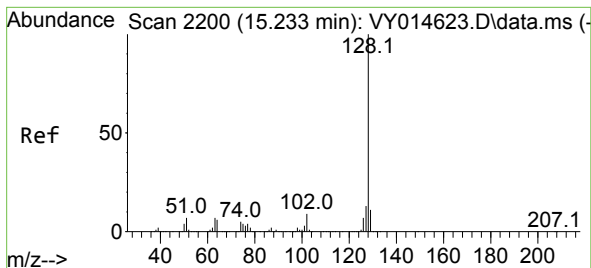
Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

157 0.0 51.8 155.5#





#95

Naphthalene

Concen: 11.793 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY014802.D

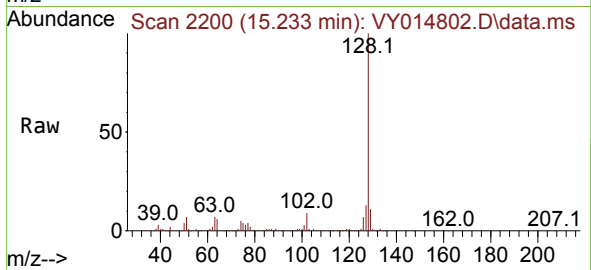
Acq: 25 Jul 2023 15:22

Instrument :

MSVOA_Y

ClientSampleId :

B-P32B



Tgt Ion:128 Resp: 75722

Ion Ratio Lower Upper

128 100

127 12.6 10.8 16.2

129 11.1 8.6 13.0

