

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014777.D
 Acq On : 24 Jul 2023 17:06
 Operator : SY/MD
 Sample : 03719-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P11A

Quant Time: Jul 25 01:30:34 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)

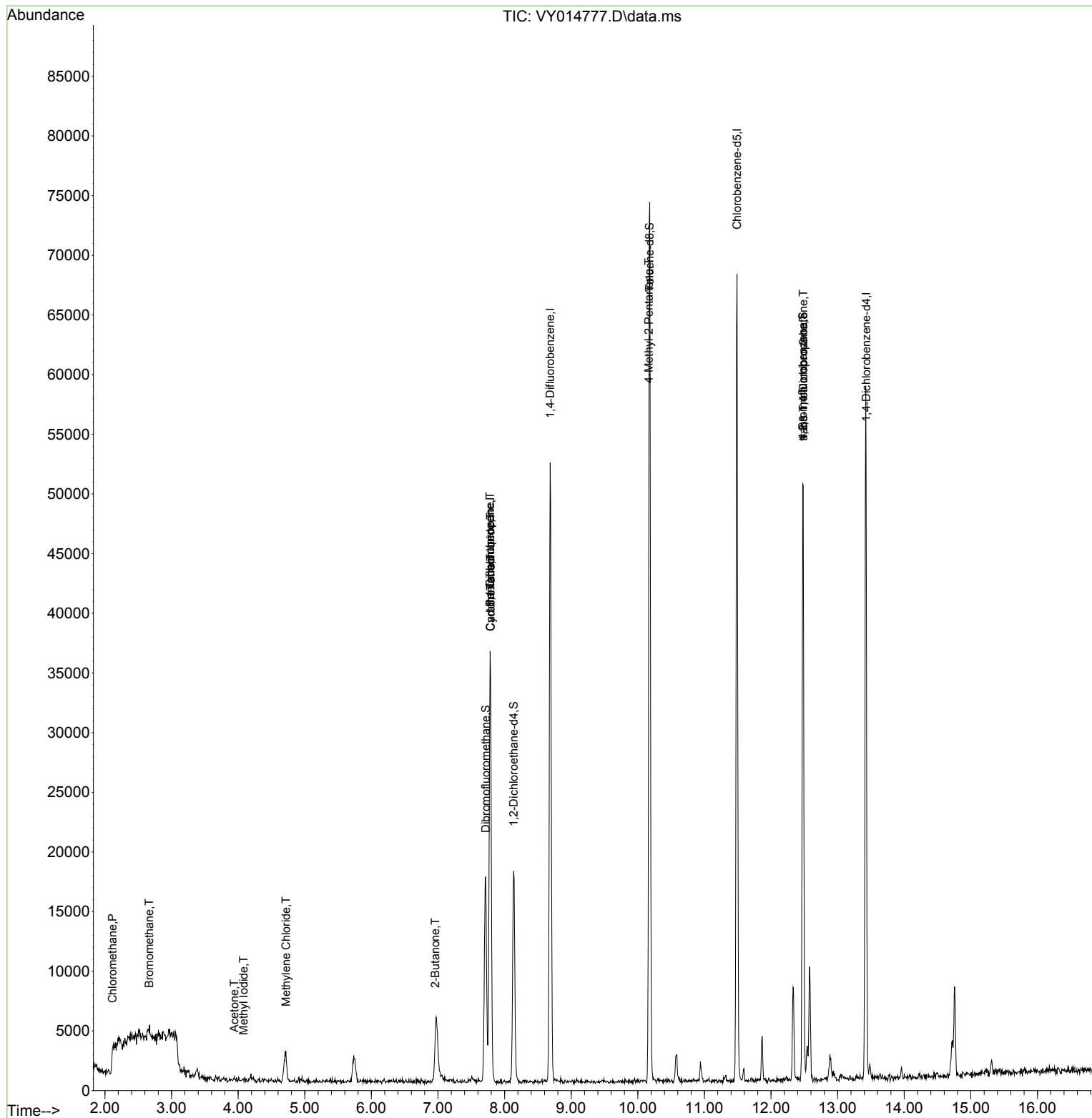
Internal Standards						
1) Pentafluorobenzene	7.783	168	28432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	44916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	36733	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	15215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	13919	42.961	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.920%		
35) Dibromofluoromethane	7.716	113	12428	43.466	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.940%		
50) Toluene-d8	10.179	98	50860	48.248	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.500%		
62) 4-Bromofluorobenzene	12.477	95	16019	39.632	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.260%		
Target Compounds						Qvalue
3) Chloromethane	2.113	50	298	1.144	ug/l #	43
5) Bromomethane	2.662	94	415	2.158	ug/l #	49
10) Methyl Iodide	4.082	142	198	2.963	ug/l #	38
11) Tert butyl alcohol	4.942	59	127	Below Cal	#	89
16) Acetone	3.942	43	432	4.208	ug/l #	46
20) Methylene Chloride	4.716	84	1864	1.492	ug/l #	81
25) 2-Butanone	6.960	43	194	1.292	ug/l #	49
31) Cyclohexane	7.789	56	732	1.361	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	2223	5.199	ug/l #	43
38) Carbon Tetrachloride	7.789	117	2743	6.069	ug/l #	12
51) 4-Methyl-2-Pentanone	10.166	43	301	1.022	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	7999	41.627	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	7999	80.596	ug/l #	10

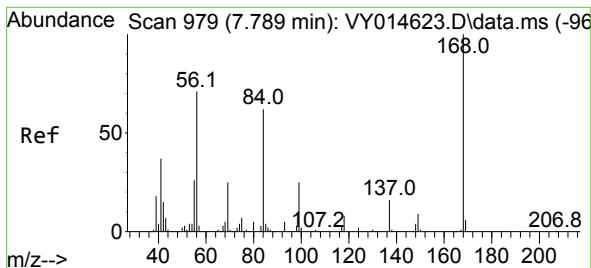
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY014777.D

Acq: 24 Jul 2023 17:06

Instrument :

MSVOA_Y

ClientSampleId :

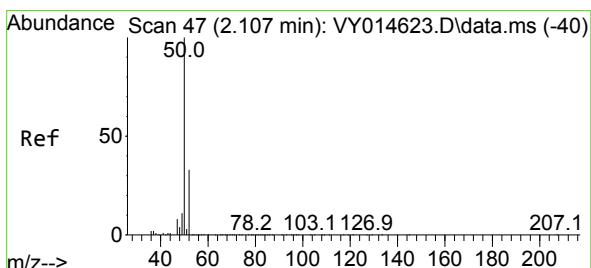
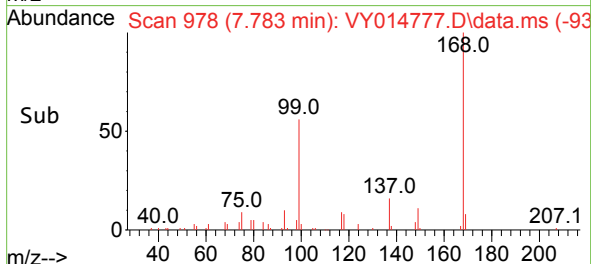
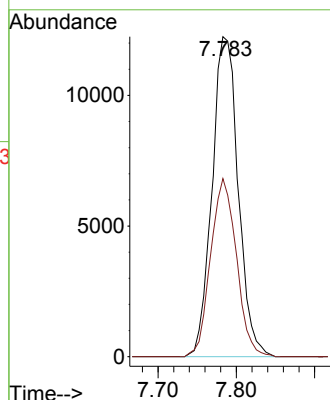
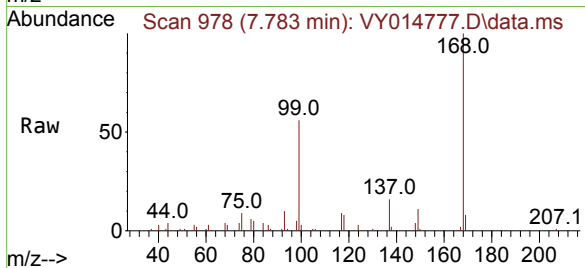
B-P11A

Tgt Ion:168 Resp: 28432

Ion Ratio Lower Upper

168 100

99 55.7 43.4 65.0



#3

Chloromethane

Concen: 1.144 ug/l

RT: 2.113 min Scan# 48

Delta R.T. 0.006 min

Lab File: VY014777.D

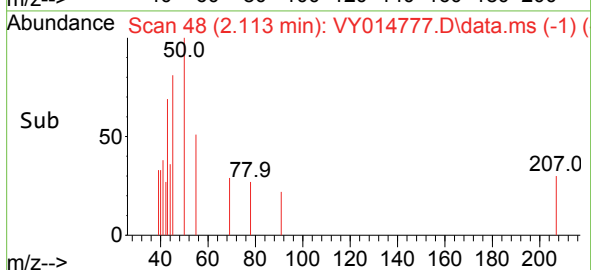
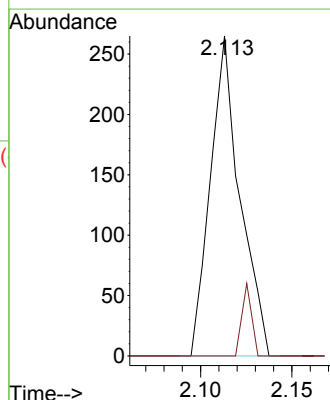
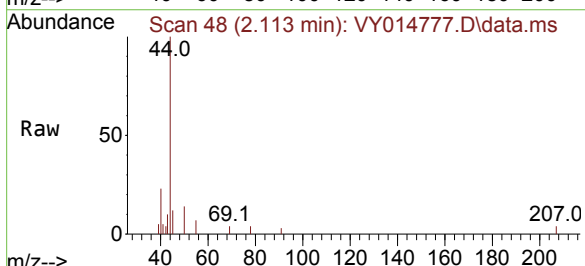
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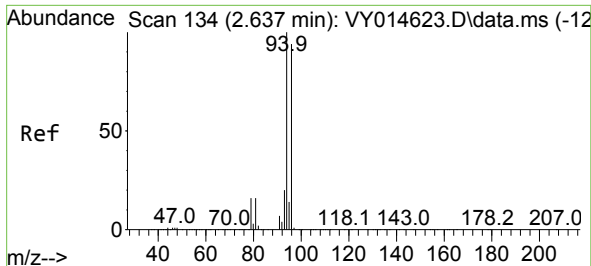
Tgt Ion: 50 Resp: 298

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.2#

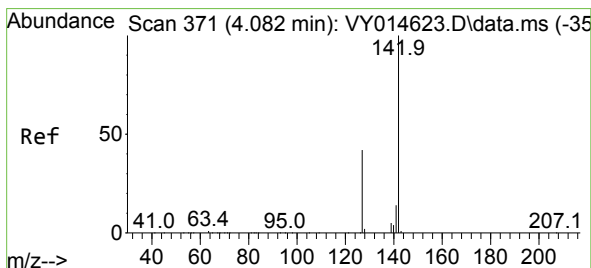
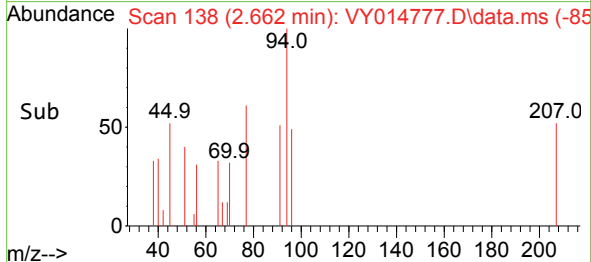
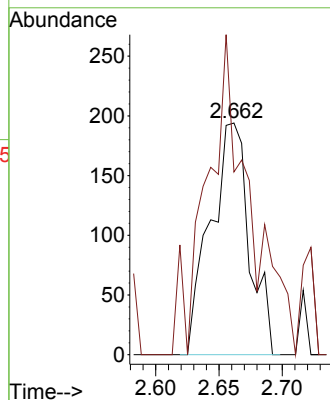
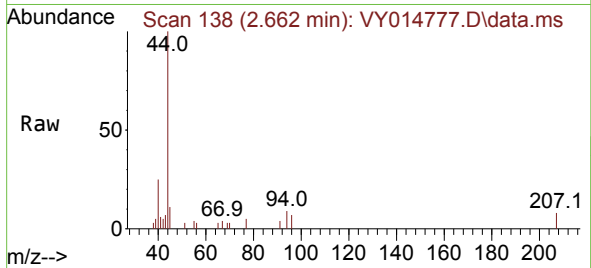




#5
Bromomethane
Concen: 2.158 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY014777.D
Acq: 24 Jul 2023 17:06

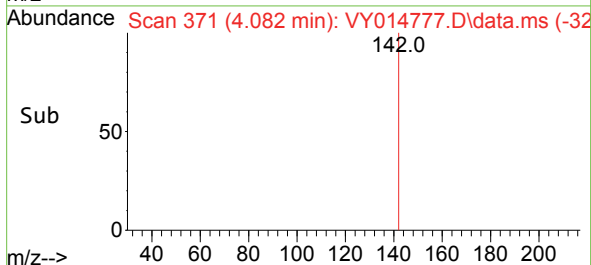
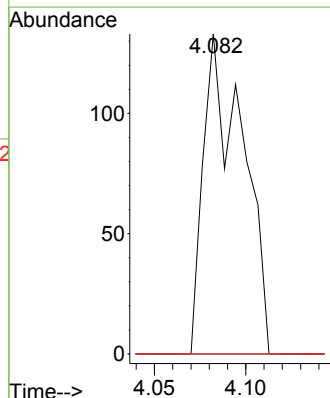
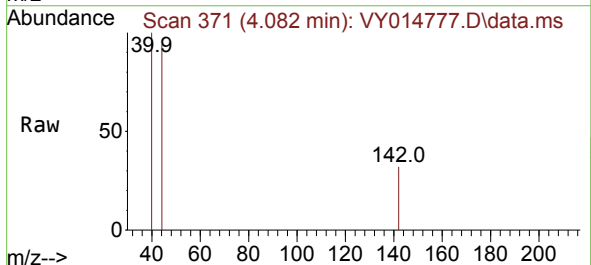
Instrument :
MSVOA_Y
ClientSampleId :
B-P11A

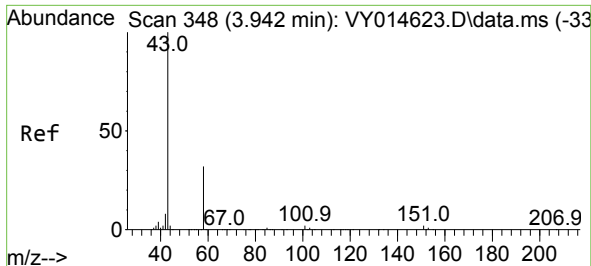
Tgt Ion: 94 Resp: 415
Ion Ratio Lower Upper
94 100
96 45.4 75.8 113.6#



#10
Methyl Iodide
Concen: 2.963 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014777.D
Acq: 24 Jul 2023 17:06

Tgt Ion:142 Resp: 198
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 4.208 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY014777.D

Acq: 24 Jul 2023 17:06

Instrument :

MSVOA_Y

ClientSampleId :

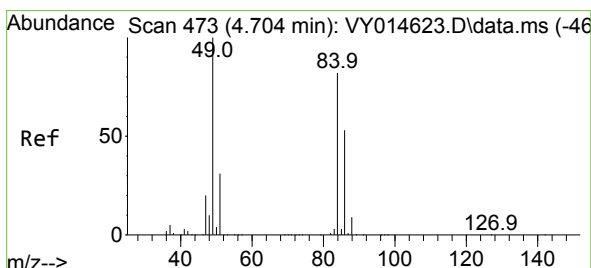
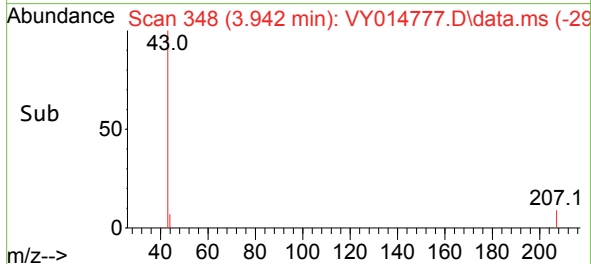
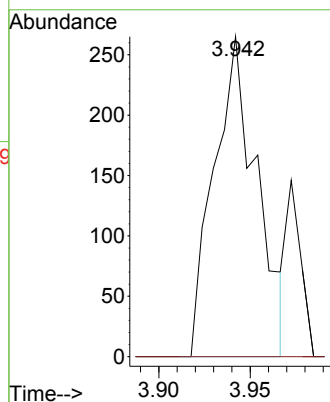
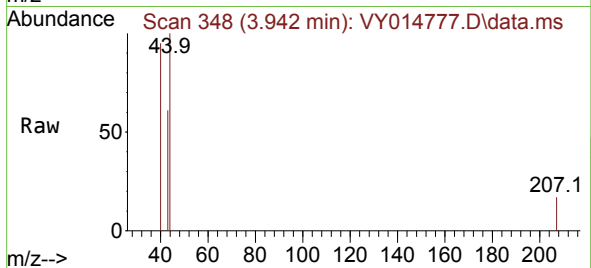
B-P11A

Tgt Ion: 43 Resp: 432

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#20

Methylene Chloride

Concen: 1.492 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.012 min

Lab File: VY014777.D

Acq: 24 Jul 2023 17:06

Tgt Ion: 84 Resp: 1864

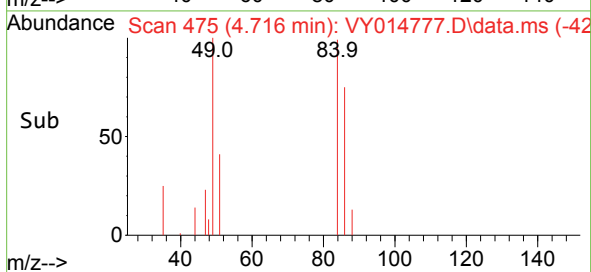
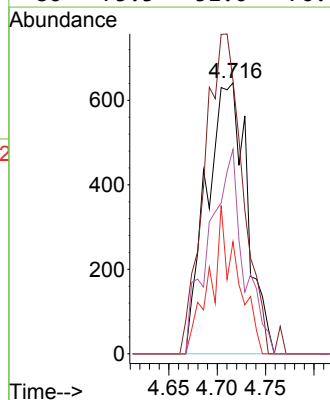
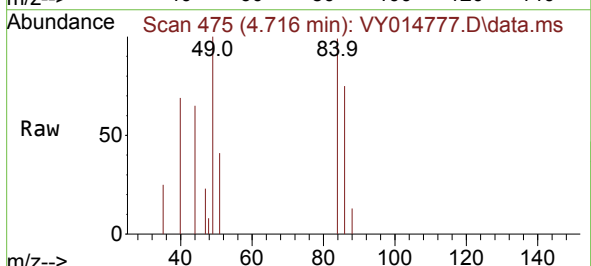
Ion Ratio Lower Upper

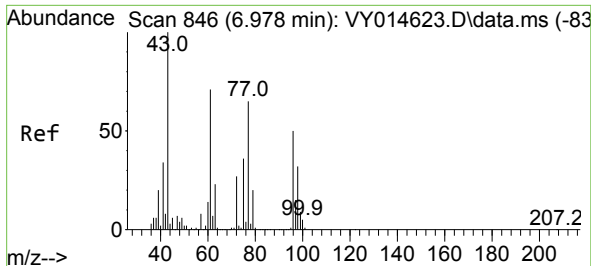
84 100

49 100.9 106.9 160.3#

51 41.3 33.2 49.8

86 75.5 51.0 76.6

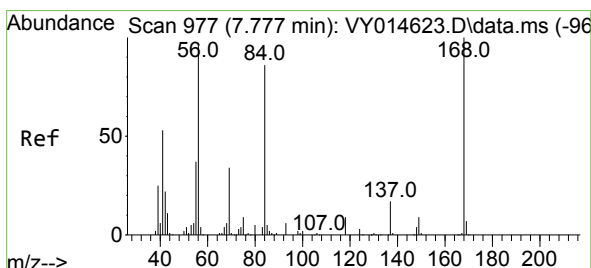
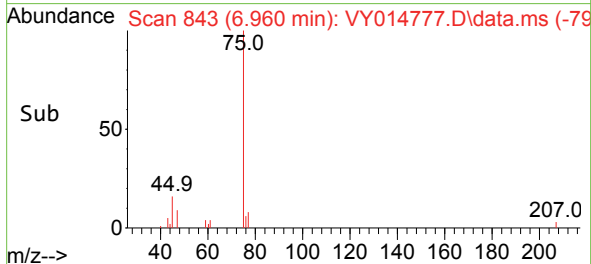
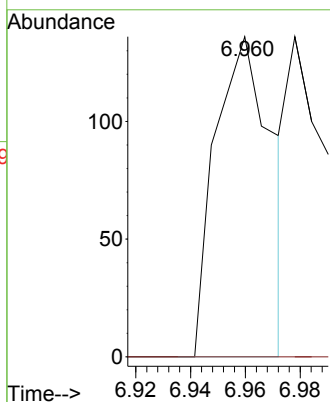
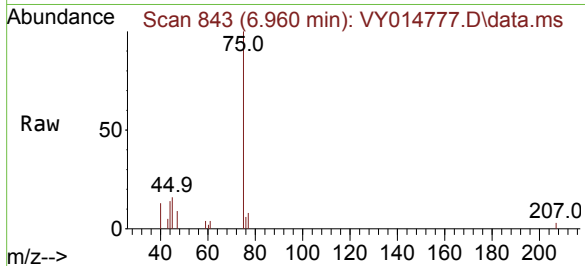




#25
2-Butanone
Concen: 1.292 ug/l
RT: 6.960 min Scan# 846
Delta R.T. -0.018 min
Lab File: VY014777.D
Acq: 24 Jul 2023 17:06

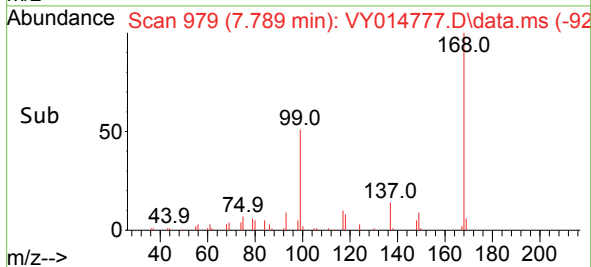
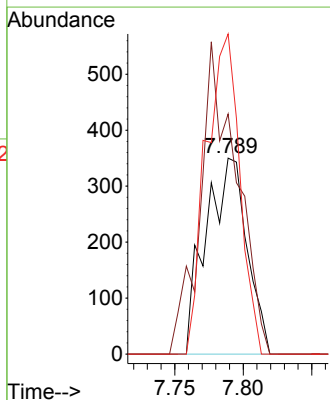
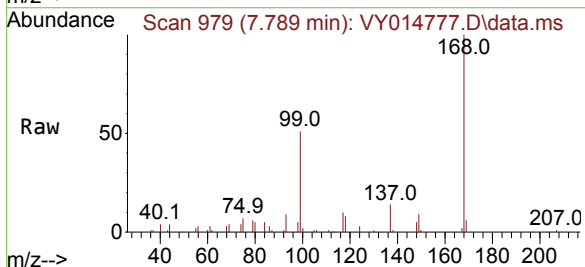
Instrument :
MSVOA_Y
ClientSampleId :
B-P11A

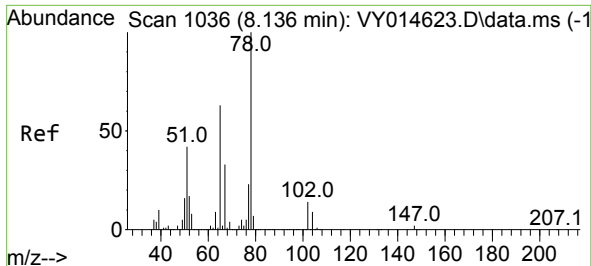
Tgt Ion: 43 Resp: 194
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#31
Cyclohexane
Concen: 1.361 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY014777.D
Acq: 24 Jul 2023 17:06

Tgt Ion: 56 Resp: 732
Ion Ratio Lower Upper
56 100
69 122.6 27.8 41.6#
84 163.4 66.4 99.6#

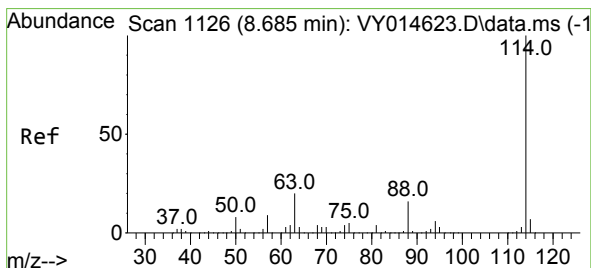
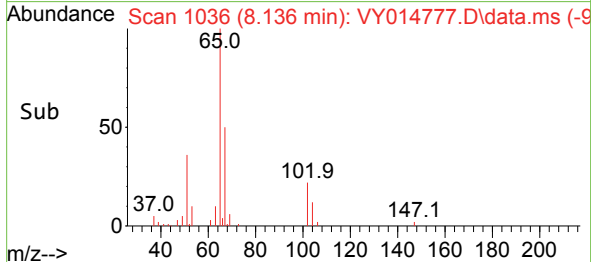
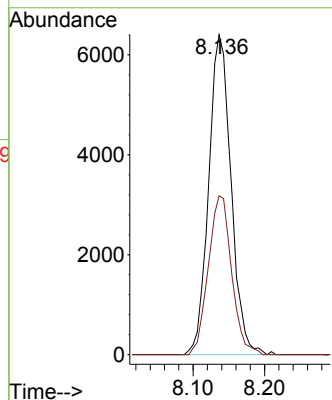
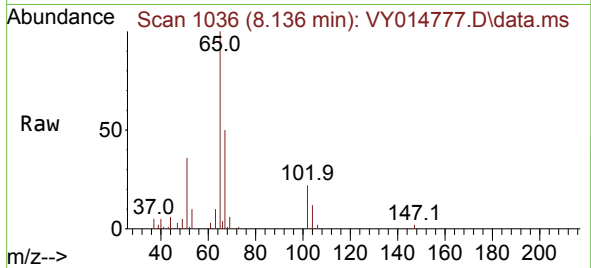




#33
 1,2-Dichloroethane-d4
 Concen: 42.961 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014777.D
 Acq: 24 Jul 2023 17:06

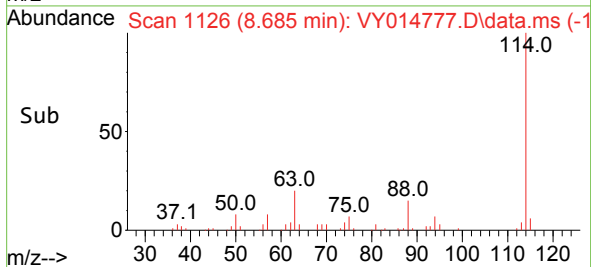
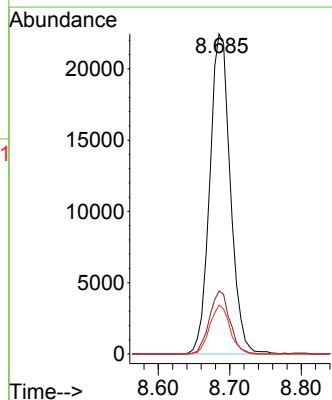
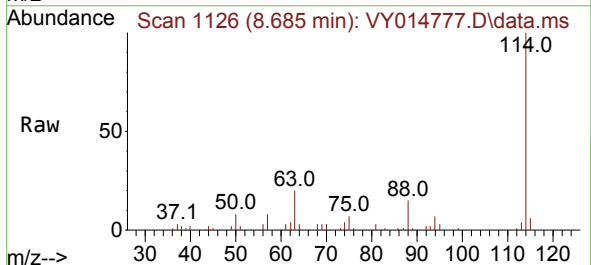
Instrument :
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 ClientSampleId :
 B-P11A

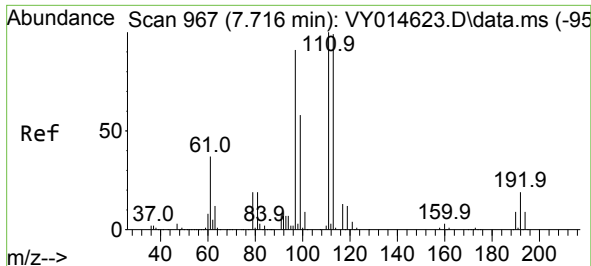
Tgt Ion: 65 Resp: 13919
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014777.D
 Acq: 24 Jul 2023 17:06

Tgt Ion: 114 Resp: 44916
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 42.4
 88 15.3 0.0 30.6

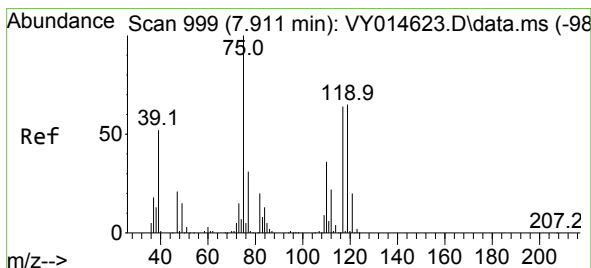
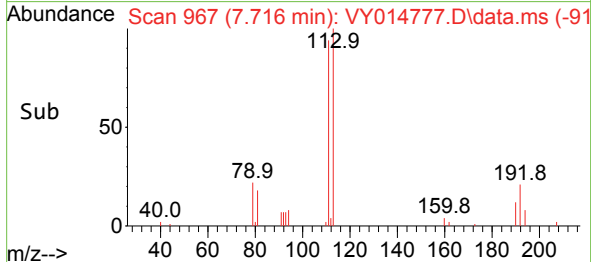
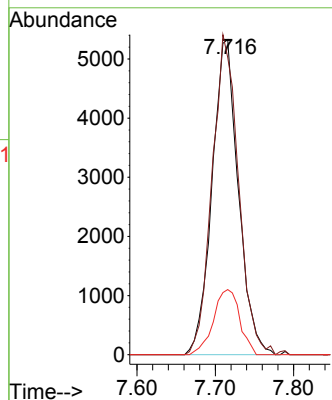
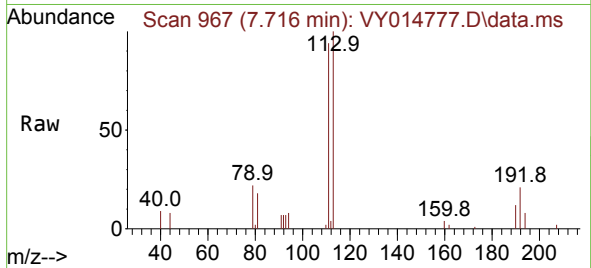




#35
Dibromofluoromethane
Concen: 43.466 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014777.D
Acq: 24 Jul 2023 17:06

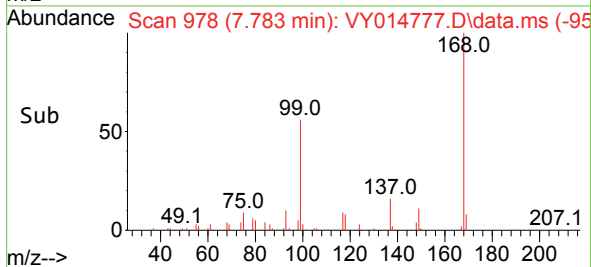
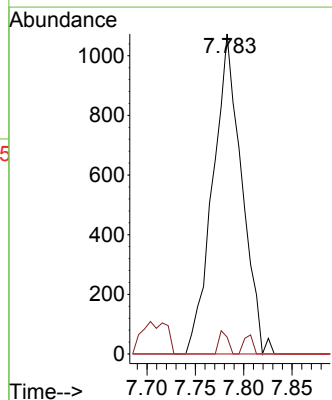
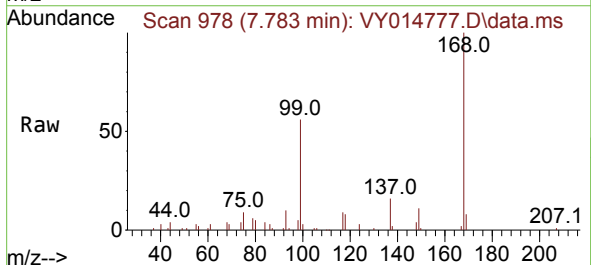
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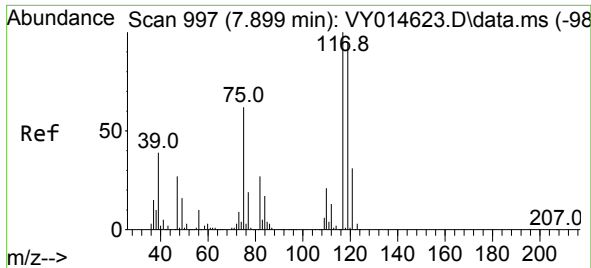
Tgt Ion:113 Resp: 12428
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 20.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.199 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014777.D
Acq: 24 Jul 2023 17:06

Tgt Ion: 75 Resp: 2223
Ion Ratio Lower Upper
75 100
110 2.2 17.8 53.5#
77 0.0 24.4 36.6#

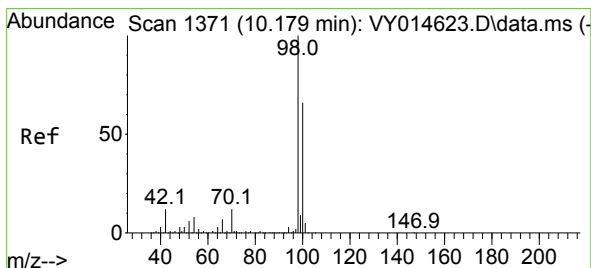
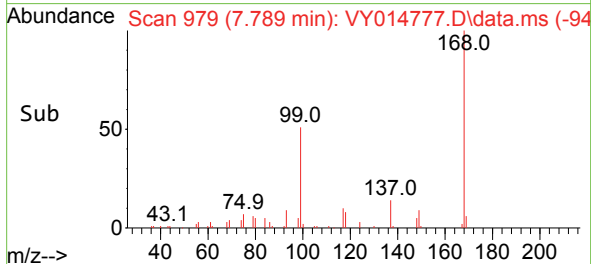
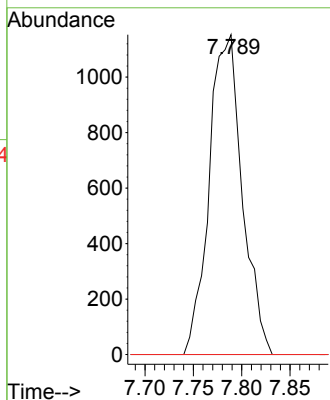
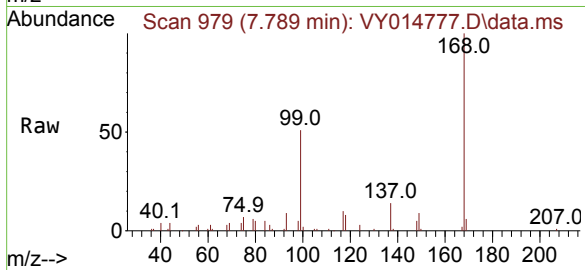




#38
Carbon Tetrachloride
Concen: 6.069 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014777.D
Acq: 24 Jul 2023 17:06

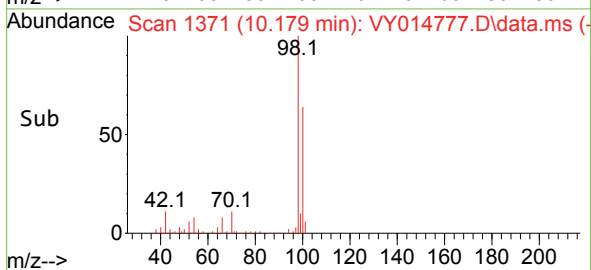
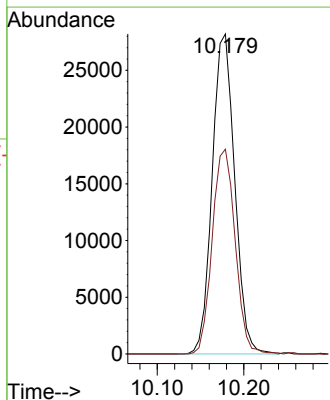
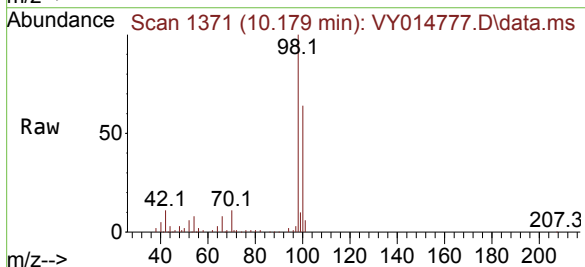
Instrument :
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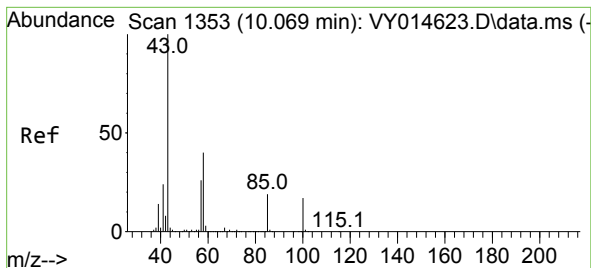
Tgt Ion:117 Resp: 2743
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.248 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014777.D
Acq: 24 Jul 2023 17:06

Tgt Ion: 98 Resp: 50860
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1

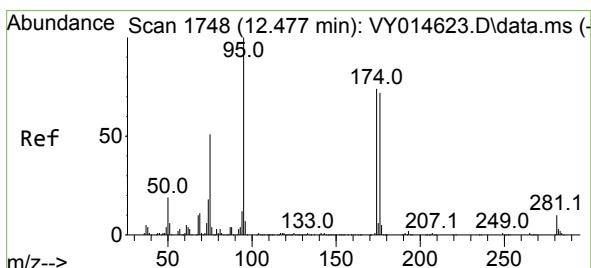
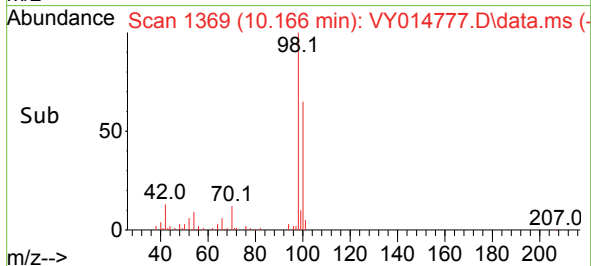
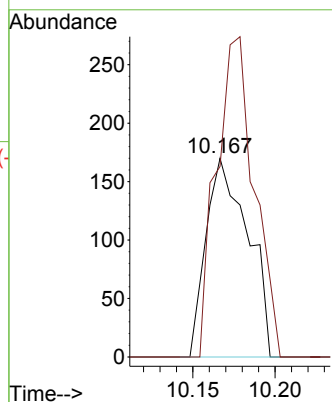
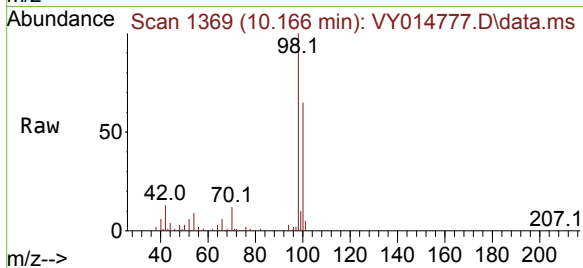




#51
4-Methyl-2-Pentanone
Concen: 1.022 ug/l
RT: 10.166 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY014777.D
Acq: 24 Jul 2023 17:06

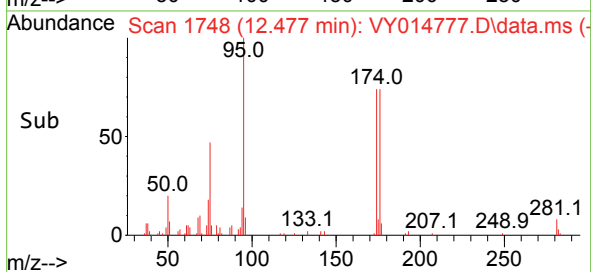
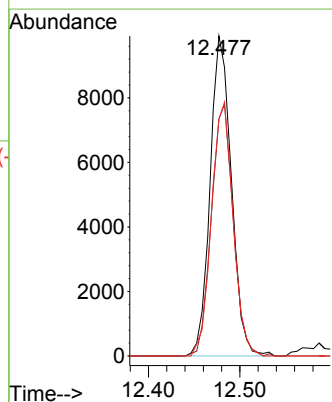
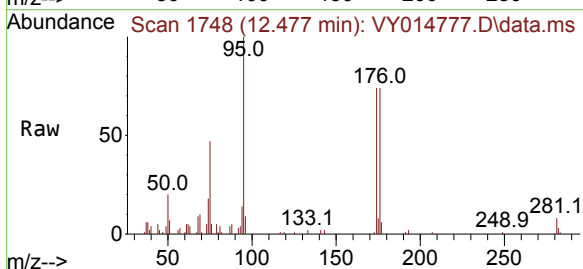
Instrument :
MSVOA_Y
ClientSampleId :
B-P11A

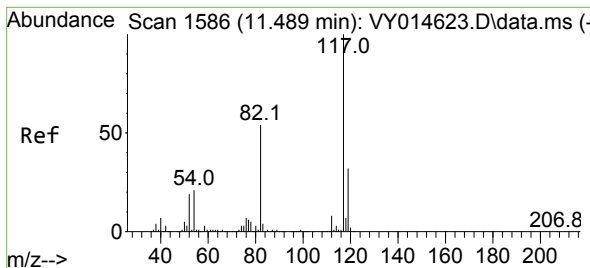
Tgt Ion: 43 Resp: 301
Ion Ratio Lower Upper
43 100
58 145.8 29.0 43.6#



#62
4-Bromofluorobenzene
Concen: 39.632 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014777.D
Acq: 24 Jul 2023 17:06

Tgt Ion: 95 Resp: 16019
Ion Ratio Lower Upper
95 100
174 80.6 0.0 178.2
176 80.4 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: VY014777.D

Acq: 24 Jul 2023 17:06

Instrument :

MSVOA_Y

ClientSampleId :

B-P11A

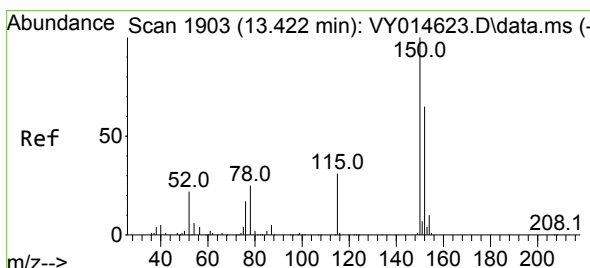
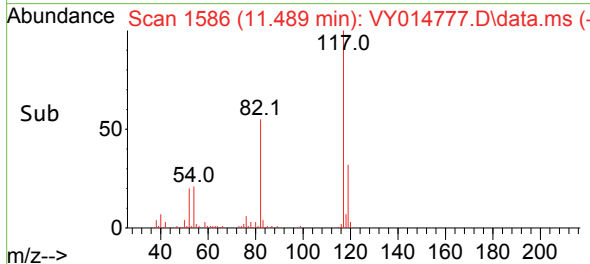
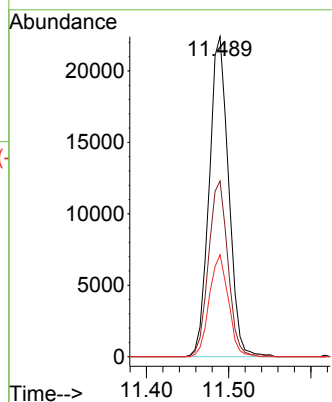
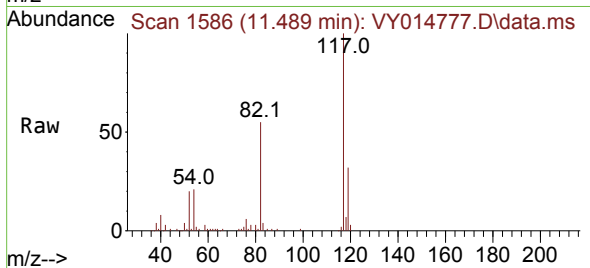
Tgt Ion:117 Resp: 36733

Ion Ratio Lower Upper

117 100

82 54.9 43.4 65.0

119 31.9 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: VY014777.D

Acq: 24 Jul 2023 17:06

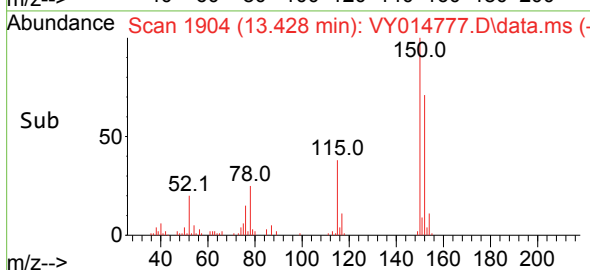
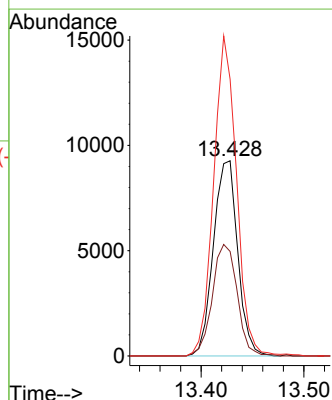
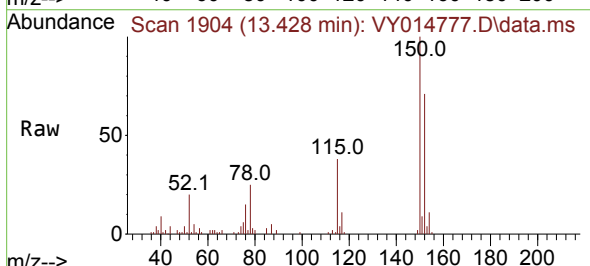
Tgt Ion:152 Resp: 15215

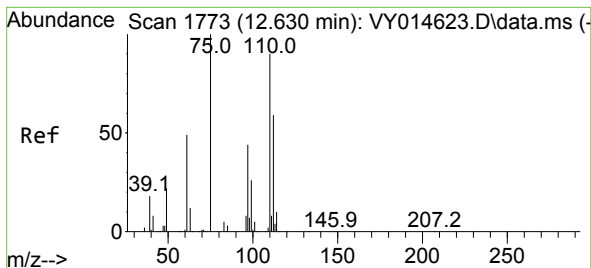
Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 154.3 0.0 348.8

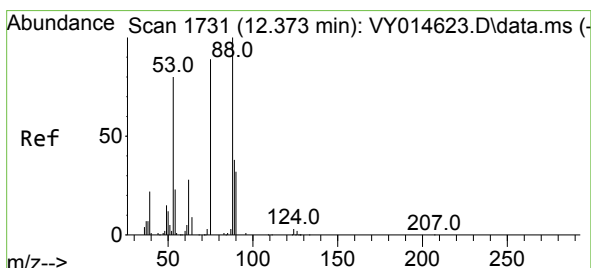
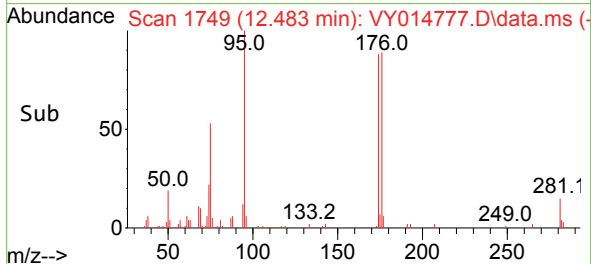
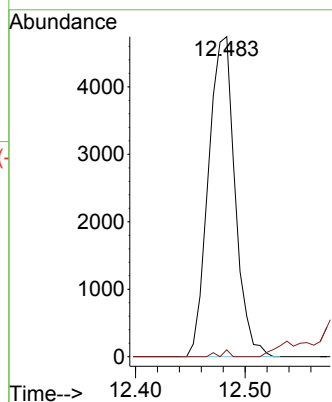
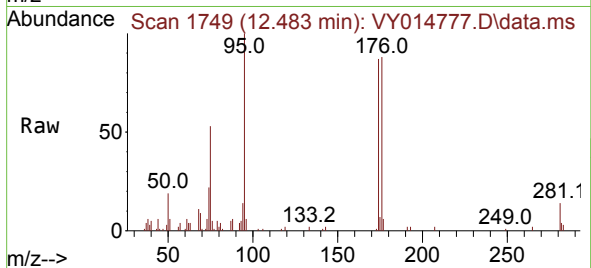




#76
1,2,3-Trichloropropane
Concen: 41.627 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY014777.D
Acq: 24 Jul 2023 17:06

Instrument :
MSVOA_Y
ClientSampleId :
B-P11A

Tgt Ion: 75 Resp: 7999
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.596 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY014777.D
Acq: 24 Jul 2023 17:06

Tgt Ion: 75 Resp: 7999
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

