

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061223\
 Data File : VY014118.D
 Acq On : 12 Jun 2023 14:22
 Operator : KP/MD
 Sample : 03123-16
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW11-GW-838-840

Quant Time: Jun 13 05:42:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

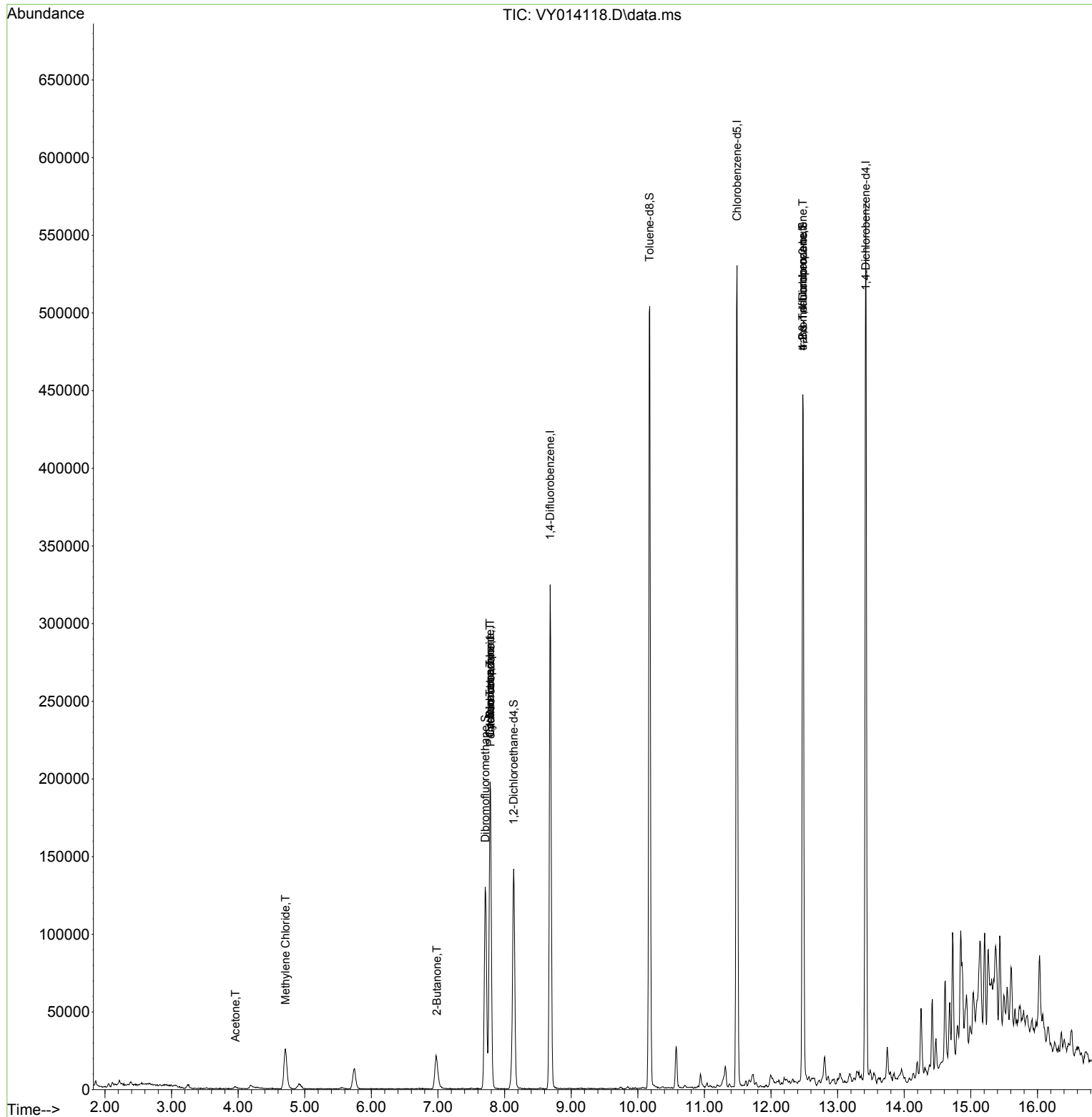
Internal Standards						
1) Pentafluorobenzene	7.789	168	153792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	262848	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	281916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	140947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	114685	53.552	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.100%			
35) Dibromofluoromethane	7.710	113	89245	47.877	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.760%			
50) Toluene-d8	10.179	98	330096	47.367	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.740%			
62) 4-Bromofluorobenzene	12.477	95	119667	48.339	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.680%			
Target Compounds						
11) Tert butyl alcohol	4.917	59	3383	Below Cal	#	89
13) Acrolein	3.710	56	25	Below Cal	#	14
16) Acetone	3.960	43	2828	4.381	ug/l	90
20) Methylene Chloride	4.710	84	19648	6.408	ug/l	89
25) 2-Butanone	6.984	43	1022	1.286	ug/l #	78
31) Cyclohexane	7.783	56	3276	1.142	ug/l #	55
36) 1,1-Dichloropropene	7.783	75	11355	3.907	ug/l #	51
38) Carbon Tetrachloride	7.783	117	14881	4.437	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	70144	37.932	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	70144	81.995	ug/l #	11

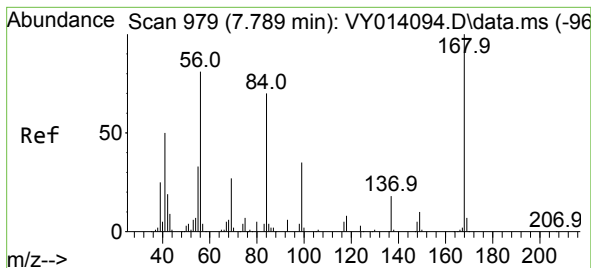
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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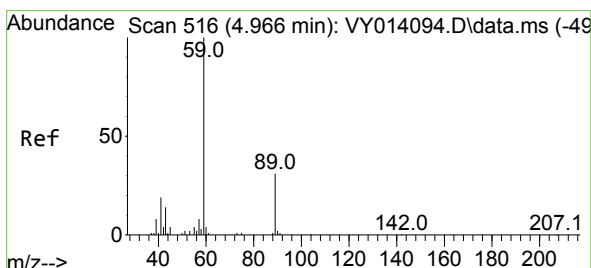
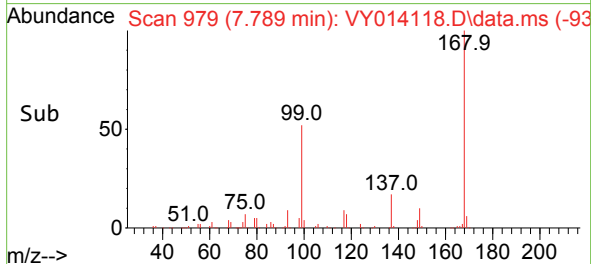
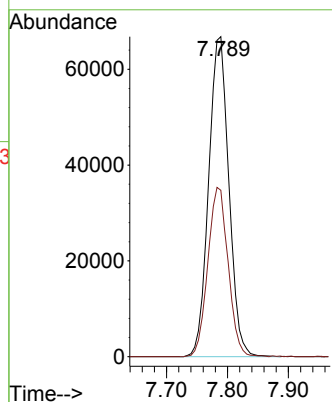
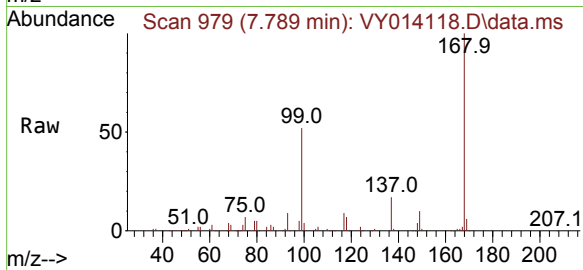




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014118.D
Acq: 12 Jun 2023 14:22

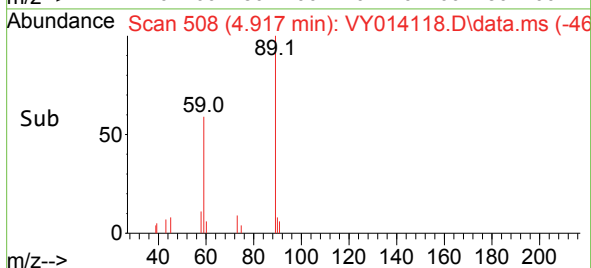
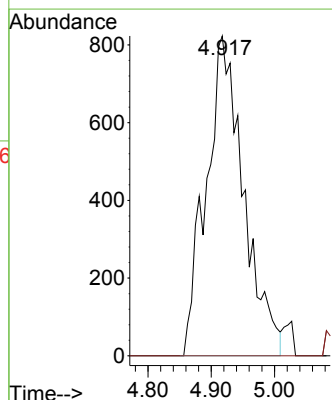
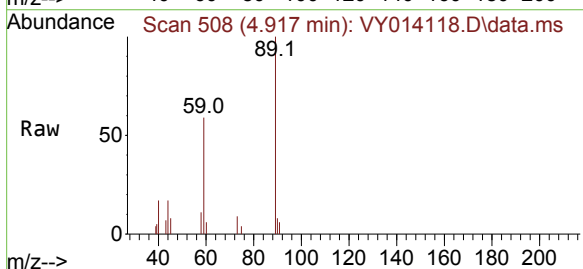
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW11-GW-838-840

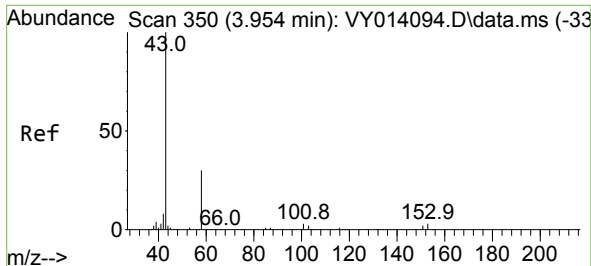
Tgt Ion:168 Resp: 153792
Ion Ratio Lower Upper
168 100
99 52.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.917 min Scan# 508
Delta R.T. -0.049 min
Lab File: VY014118.D
Acq: 12 Jun 2023 14:22

Tgt Ion: 59 Resp: 3383
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

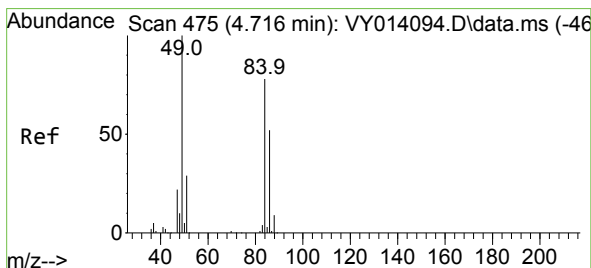
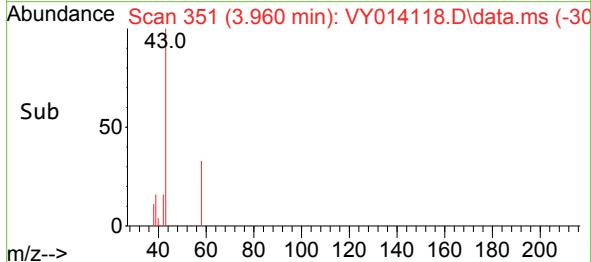
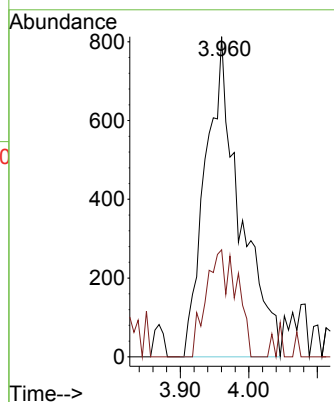
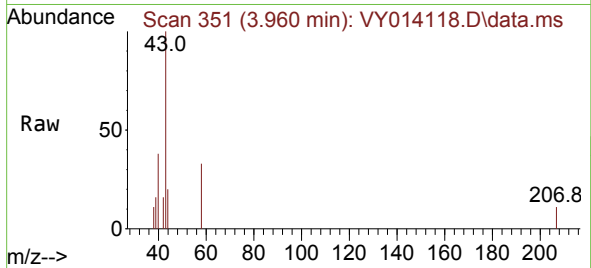




#16
Acetone
Concen: 4.381 ug/l
RT: 3.960 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY014118.D
Acq: 12 Jun 2023 14:22

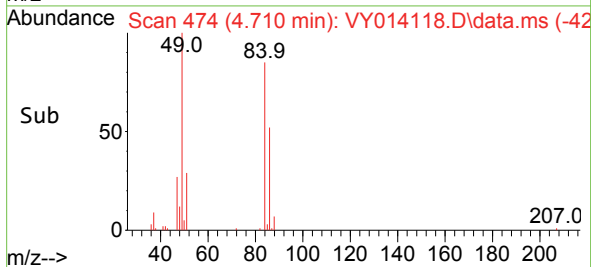
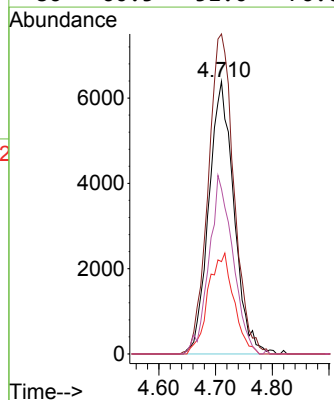
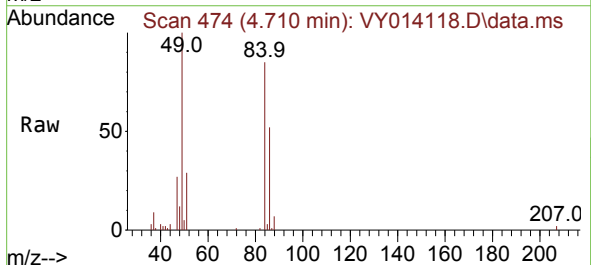
Instrument :
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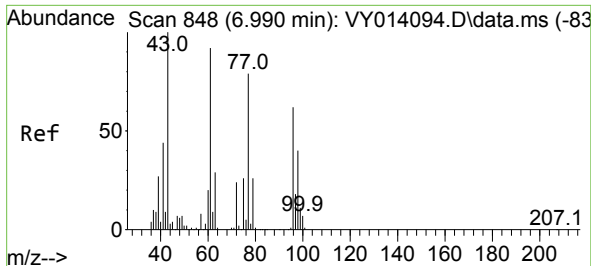
Tgt Ion: 43 Resp: 2828
Ion Ratio Lower Upper
43 100
58 33.5 22.7 34.1



#20
Methylene Chloride
Concen: 6.408 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014118.D
Acq: 12 Jun 2023 14:22

Tgt Ion: 84 Resp: 19648
Ion Ratio Lower Upper
84 100
49 117.4 106.9 160.3
51 33.8 33.2 49.8
86 60.5 51.0 76.6

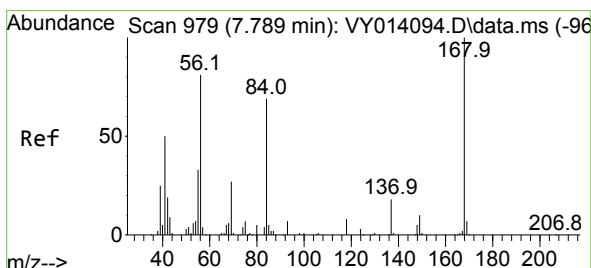
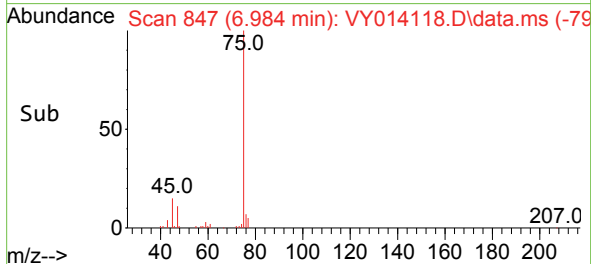
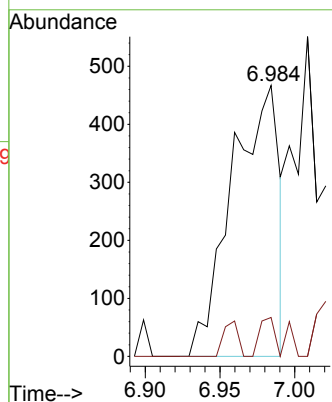
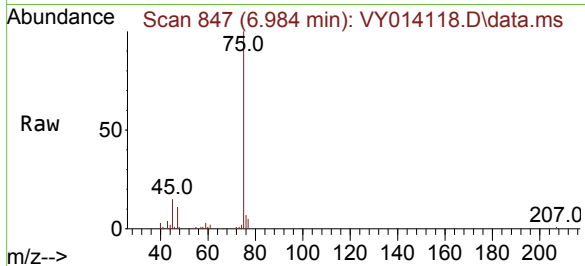




#25
2-Butanone
Concen: 1.286 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY014118.D
Acq: 12 Jun 2023 14:22

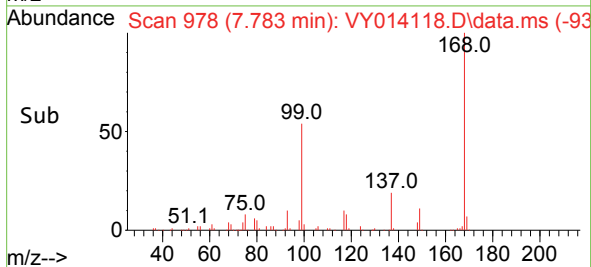
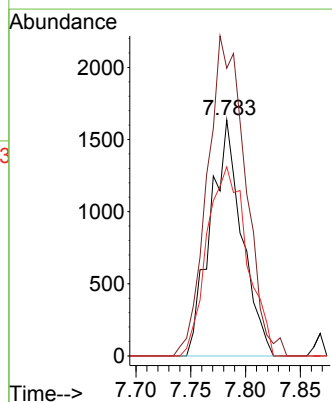
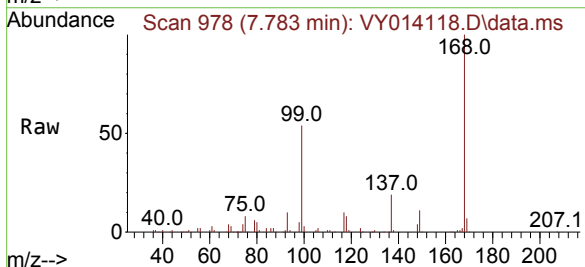
Instrument :
MSVOA_Y
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BP-VPB-RW11-GW-838-840

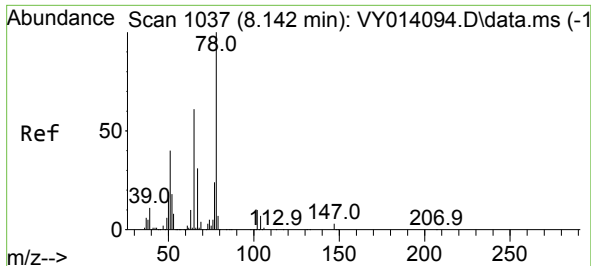
Tgt Ion: 43 Resp: 1022
Ion Ratio Lower Upper
43 100
72 14.3 20.5 30.7#



#31
Cyclohexane
Concen: 1.142 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY014118.D
Acq: 12 Jun 2023 14:22

Tgt Ion: 56 Resp: 3276
Ion Ratio Lower Upper
56 100
69 118.0 27.8 41.6#
84 80.1 66.4 99.6

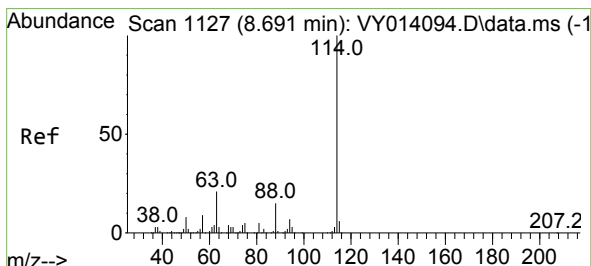
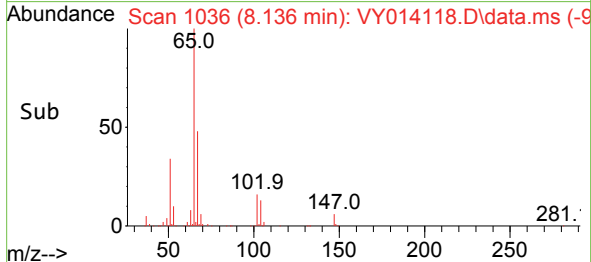
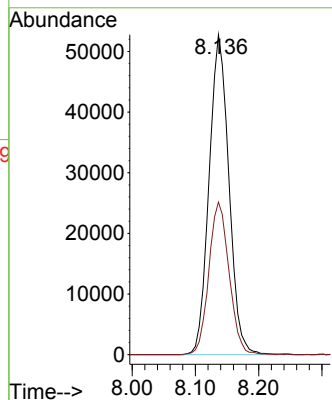
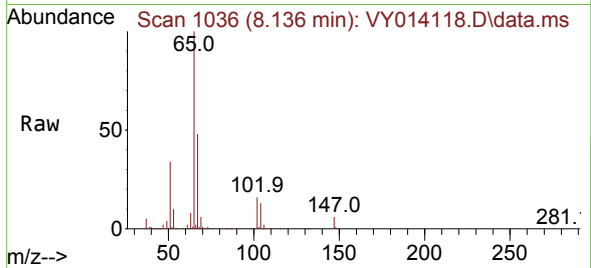




#33
1,2-Dichloroethane-d4
Concen: 53.552 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014118.D
Acq: 12 Jun 2023 14:22

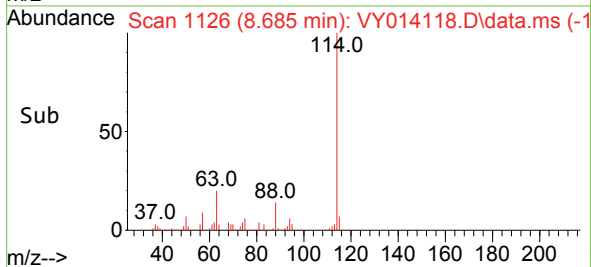
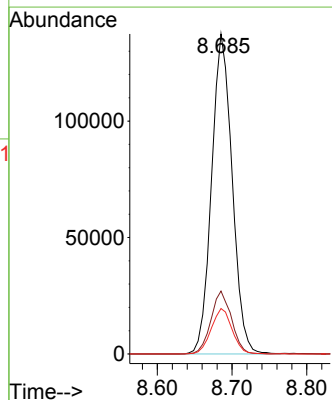
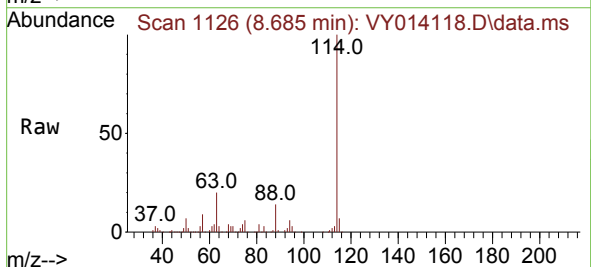
Instrument : MSVOA_Y
ClientSampleId : BP-VPB-RW11-GW-838-840

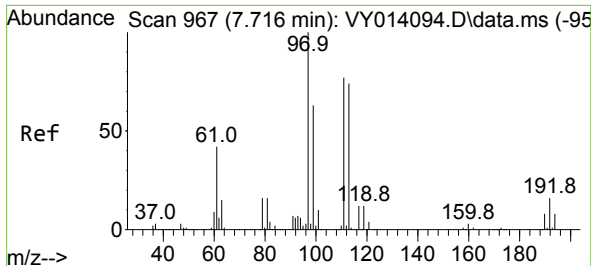
Tgt Ion: 65 Resp: 114685
Ion Ratio Lower Upper
65 100
67 48.8 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY014118.D
Acq: 12 Jun 2023 14:22

Tgt Ion: 114 Resp: 262848
Ion Ratio Lower Upper
114 100
63 19.6 0.0 42.4
88 14.2 0.0 30.6

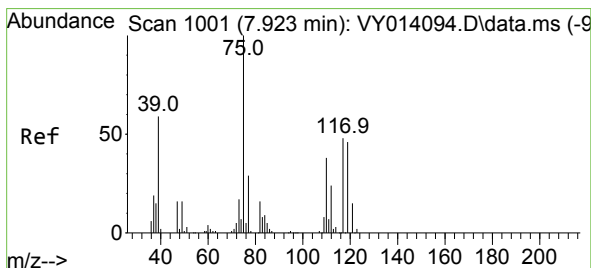
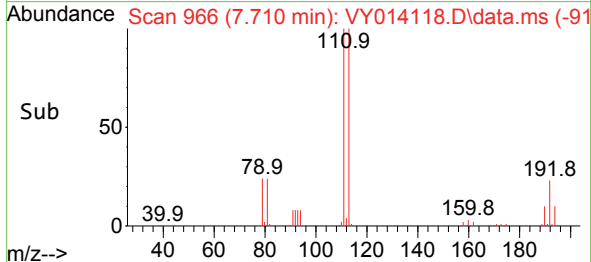
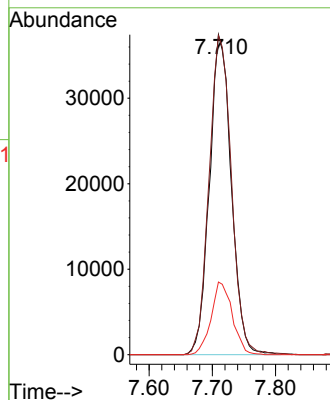
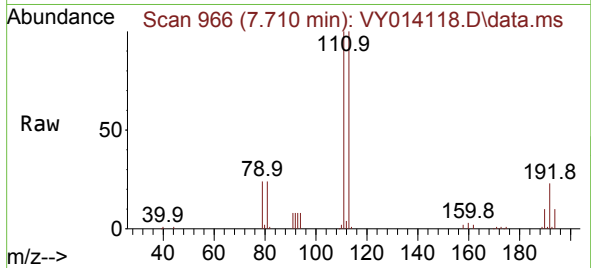




#35
Dibromofluoromethane
Concen: 47.877 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014118.D
Acq: 12 Jun 2023 14:22

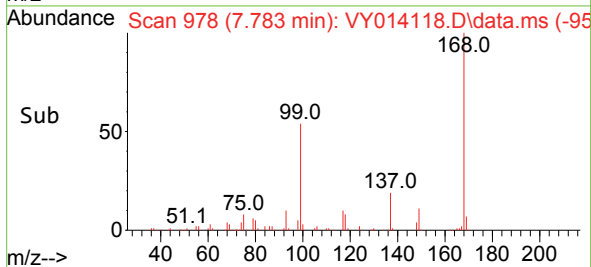
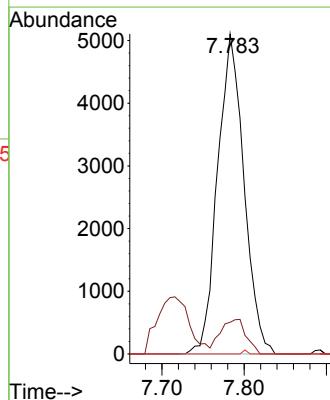
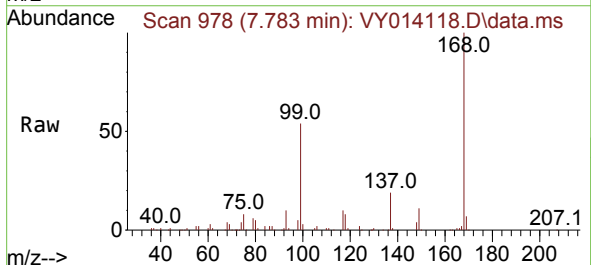
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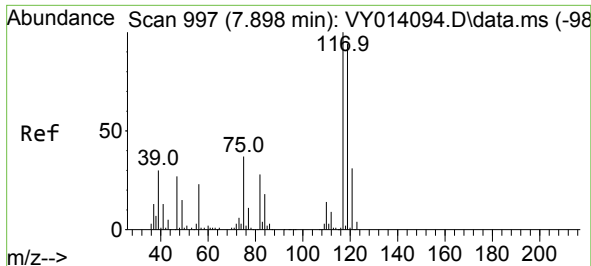
Tgt Ion:113 Resp: 89245
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 22.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.907 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014118.D
Acq: 12 Jun 2023 14:22

Tgt Ion: 75 Resp: 11355
Ion Ratio Lower Upper
75 100
110 10.5 17.8 53.5#
77 0.2 24.4 36.6#

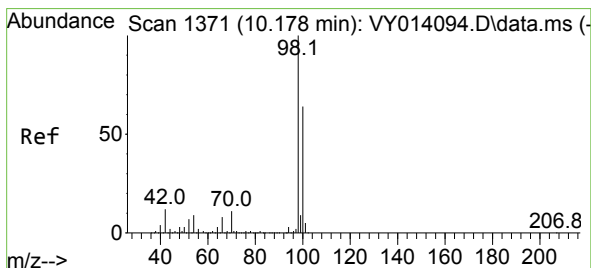
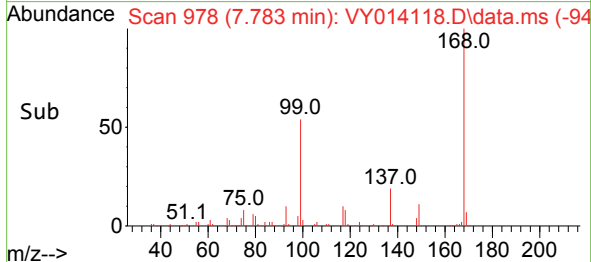
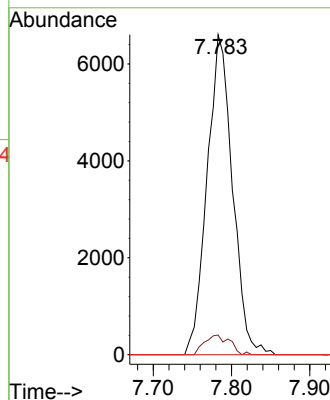
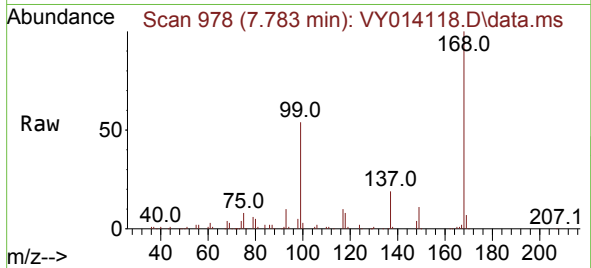




#38
Carbon Tetrachloride
Concen: 4.437 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014118.D
Acq: 12 Jun 2023 14:22

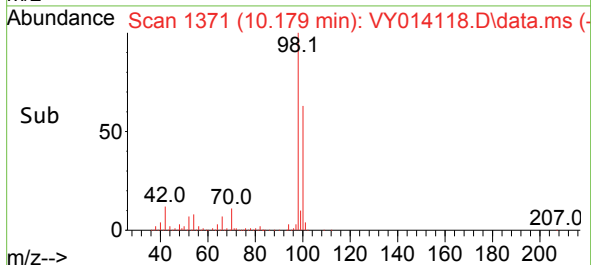
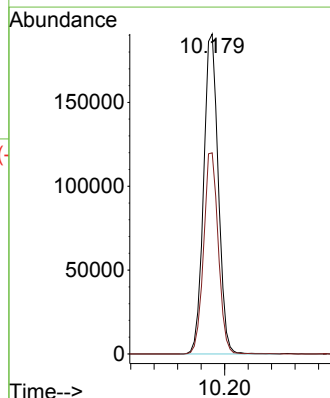
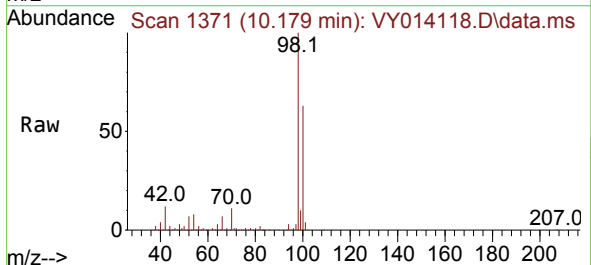
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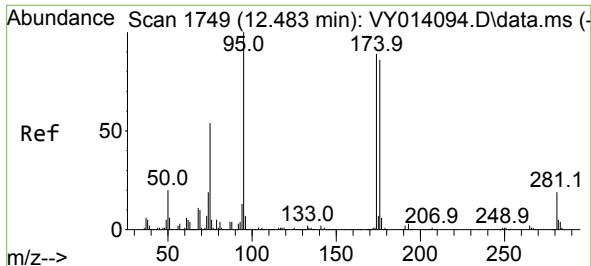
Tgt Ion:117 Resp: 14881
Ion Ratio Lower Upper
117 100
119 6.1 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.367 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014118.D
Acq: 12 Jun 2023 14:22

Tgt Ion: 98 Resp: 330096
Ion Ratio Lower Upper
98 100
100 62.8 50.1 75.1

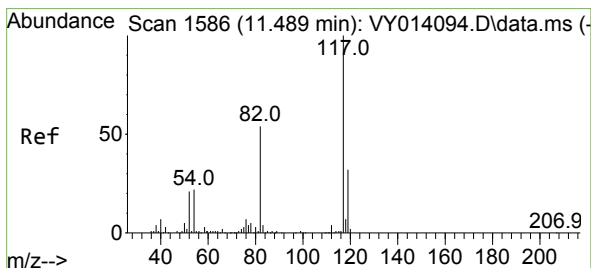
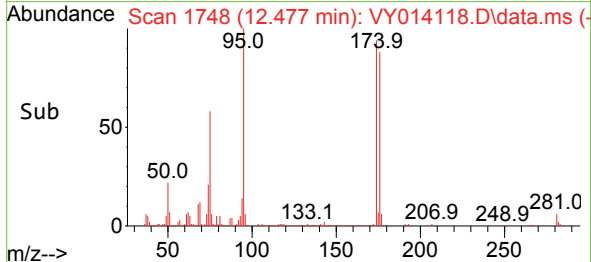
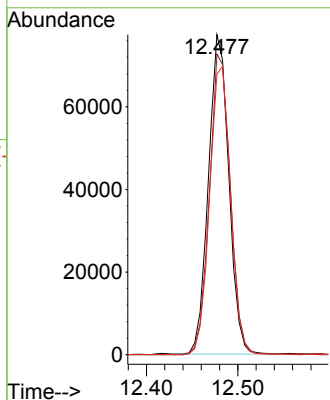
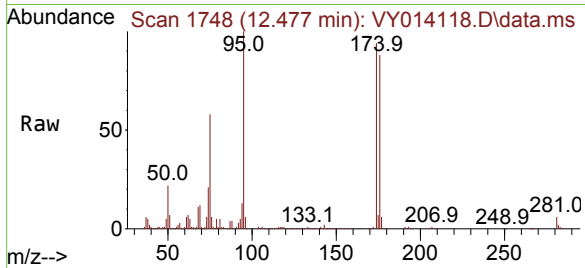




#62
4-Bromofluorobenzene
Concen: 48.339 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014118.D
Acq: 12 Jun 2023 14:22

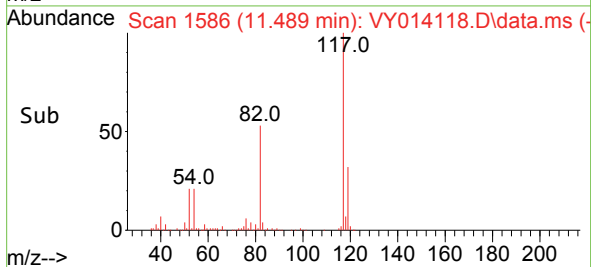
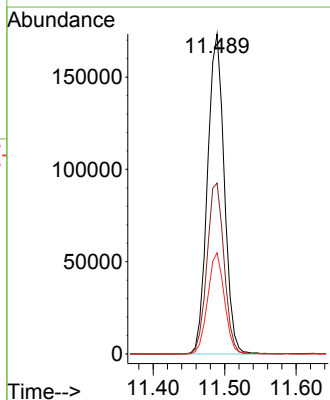
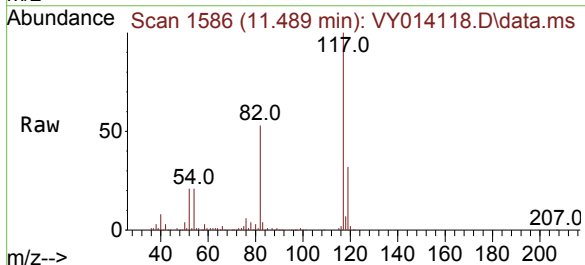
Instrument :
MSVOA_Y
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BP-VPB-RW11-GW-838-840

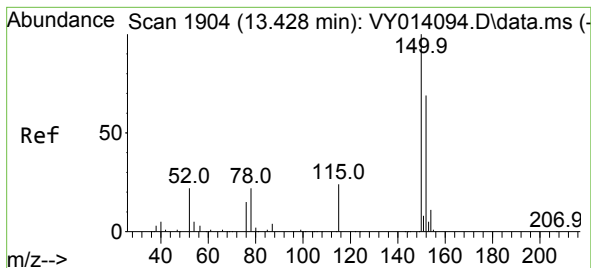
Tgt Ion: 95 Resp: 119667
Ion Ratio Lower Upper
95 100
174 96.2 0.0 178.2
176 93.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014118.D
Acq: 12 Jun 2023 14:22

Tgt Ion: 117 Resp: 281916
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 31.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY014118.D

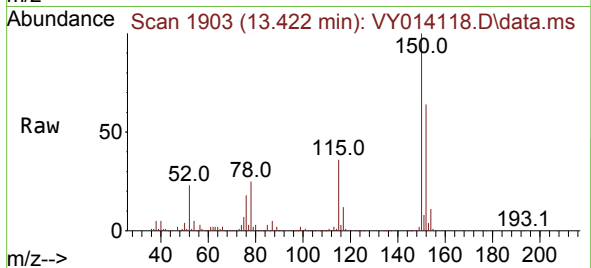
Acq: 12 Jun 2023 14:22

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW11-GW-838-840



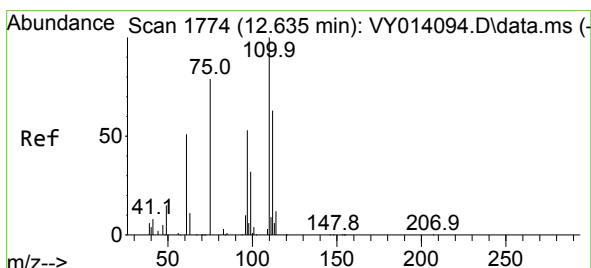
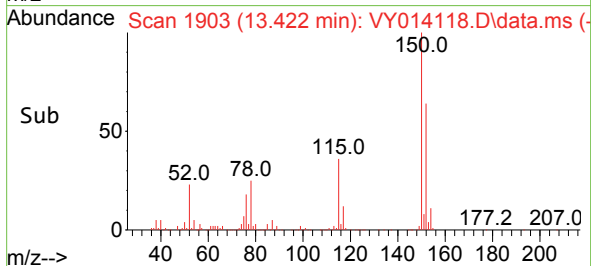
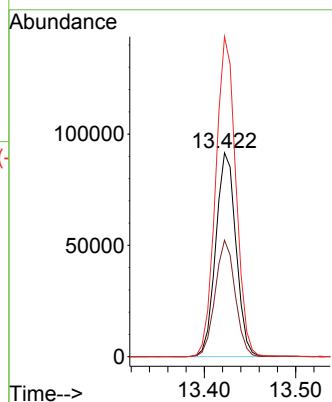
Tgt Ion:152 Resp: 140947

Ion Ratio Lower Upper

152 100

115 56.4 28.8 86.5

150 157.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.932 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014118.D

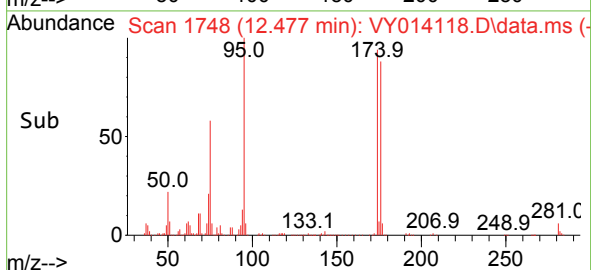
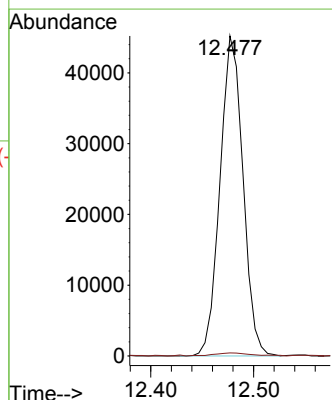
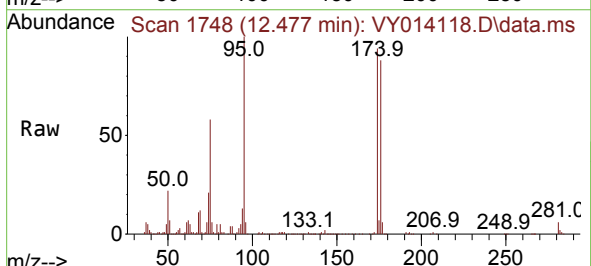
Acq: 12 Jun 2023 14:22

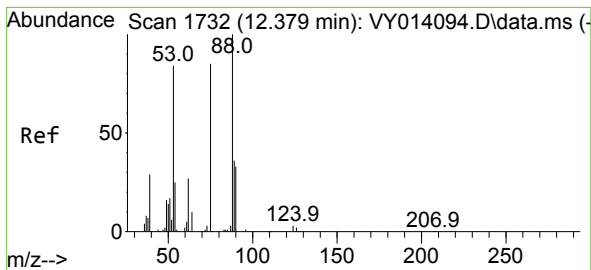
Tgt Ion: 75 Resp: 70144

Ion Ratio Lower Upper

75 100

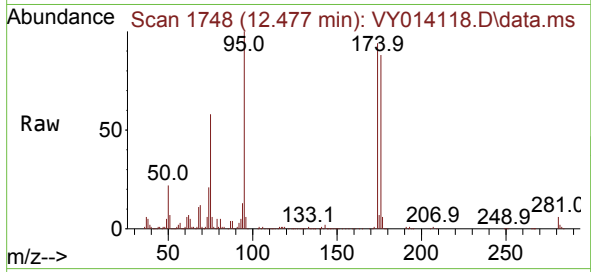
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.995 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014118.D
 Acq: 12 Jun 2023 14:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW11-GW-838-840



Tgt Ion: 75 Resp: 70144
 Ion Ratio Lower Upper
 75 100
 53 0.7 77.8 116.8#
 89 0.2 37.4 56.0#

