

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014337.D
 Acq On : 21 Jun 2023 15:44
 Operator : KP/MD
 Sample : 03337-13
 Misc : 5.62g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-7

Quant Time: Jun 22 01:57:27 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)

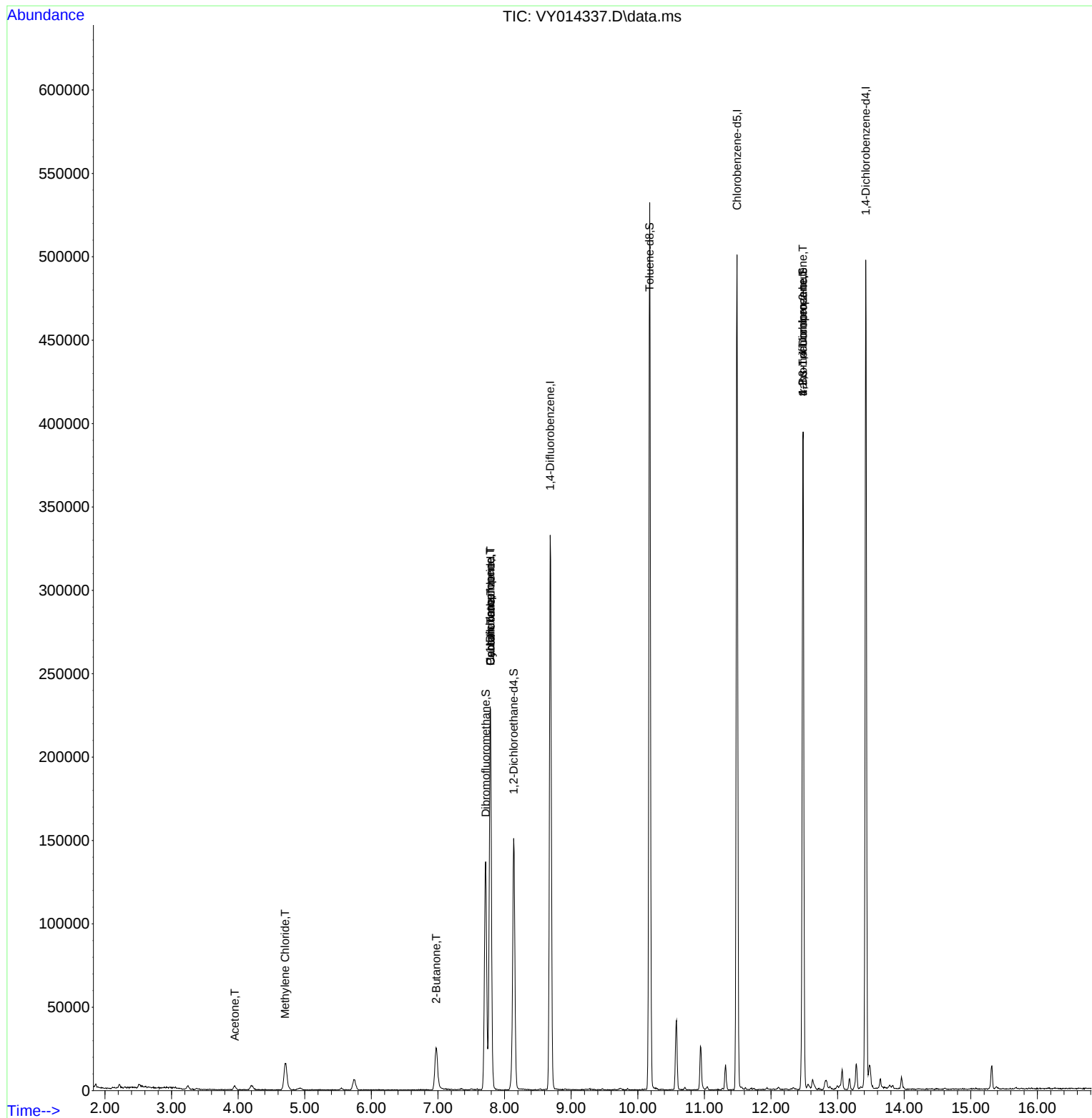
Internal Standards						
1) Pentafluorobenzene	7.789	168	177218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	280180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	267229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	127634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	123315	49.970	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.940%
35) Dibromofluoromethane	7.716	113	93119	46.865	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.720%
50) Toluene-d8	10.179	98	338907	45.623	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.240%
62) 4-Bromofluorobenzene	12.477	95	110262	41.785	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.560%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	1233	Below Cal	#	89
16) Acetone	3.948	43	4059	5.457	ug/l	99
20) Methylene Chloride	4.704	84	12314	1.724	ug/l #	84
25) 2-Butanone	6.972	43	1554	1.697	ug/l #	83
31) Cyclohexane	7.789	56	3868	1.170	ug/l #	43
36) 1,1-Dichloropropene	7.783	75	13470	4.348	ug/l #	51
38) Carbon Tetrachloride	7.789	117	17594	4.922	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	60711	36.256	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	60711	78.371	ug/l #	11

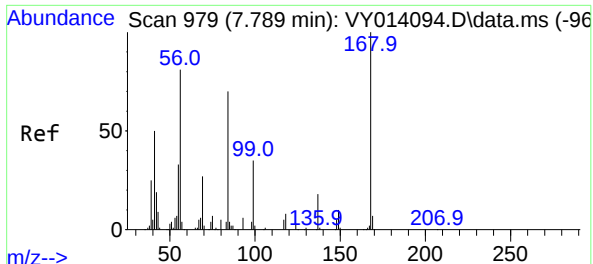
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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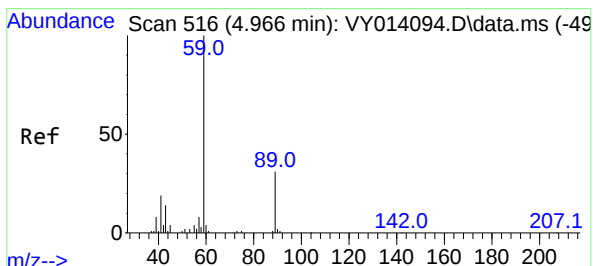
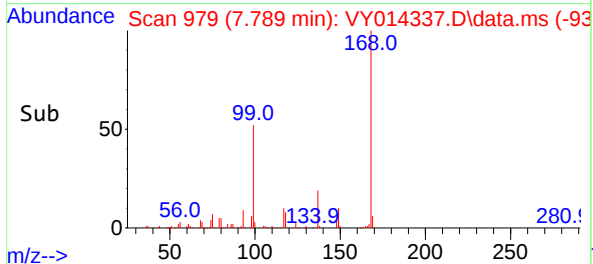
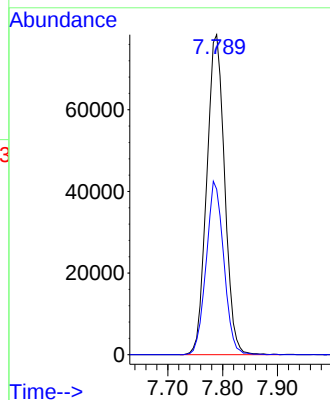
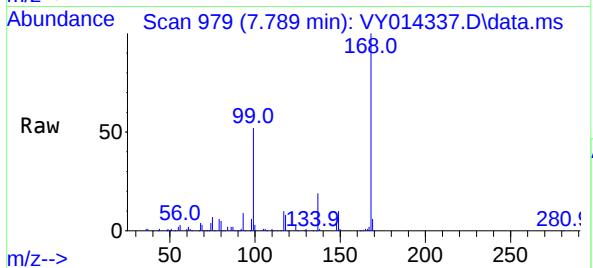




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014337.D
Acq: 21 Jun 2023 15:44

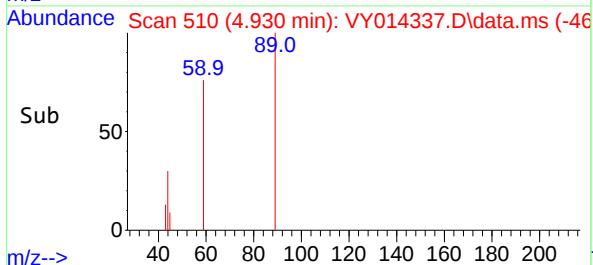
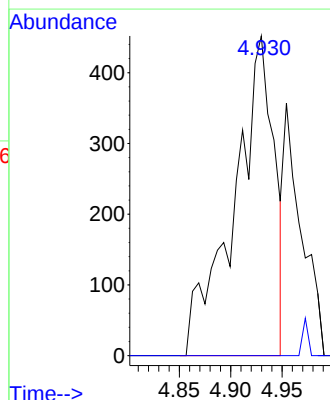
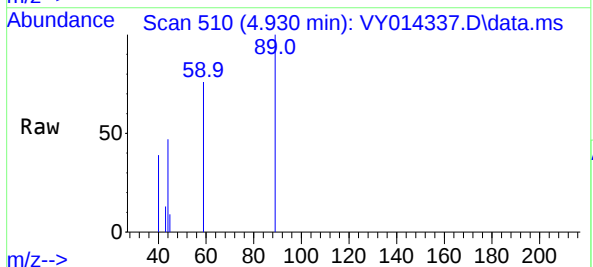
Instrument :
MSVOA_Y
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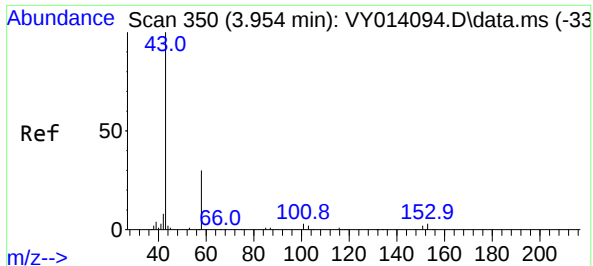
Tgt Ion:168 Resp: 177218
Ion Ratio Lower Upper
168 100
99 51.7 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.036 min
Lab File: VY014337.D
Acq: 21 Jun 2023 15:44

Tgt Ion: 59 Resp: 1233
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

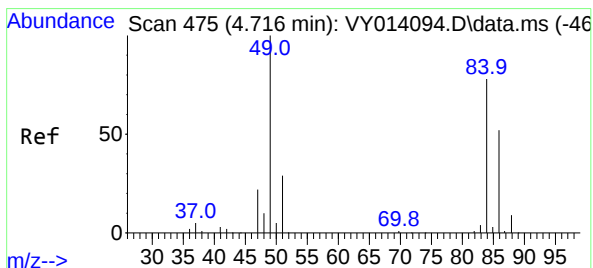
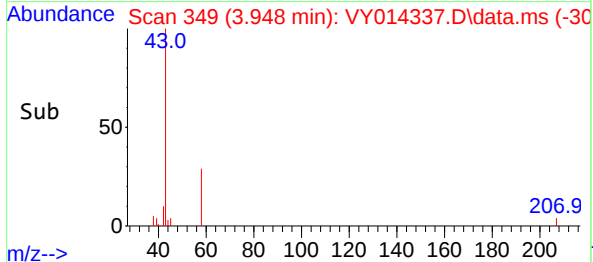
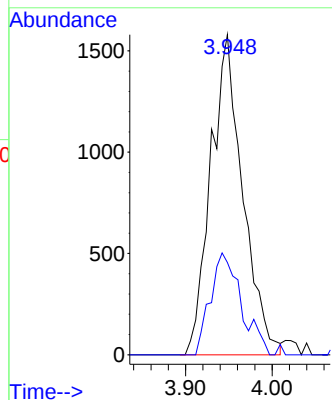
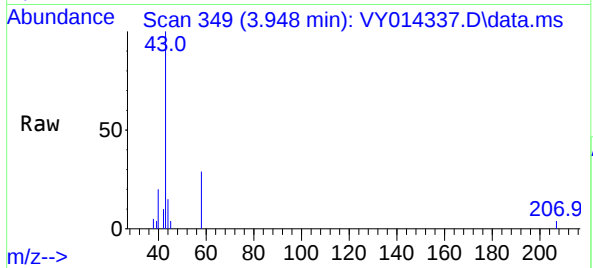




#16
Acetone
Concen: 5.457 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY014337.D
Acq: 21 Jun 2023 15:44

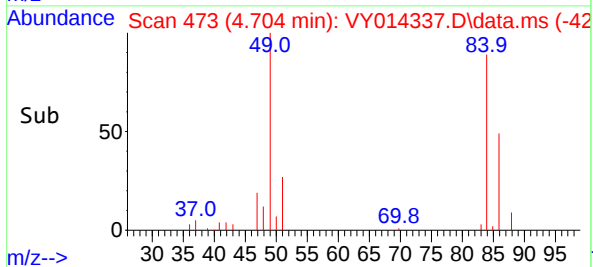
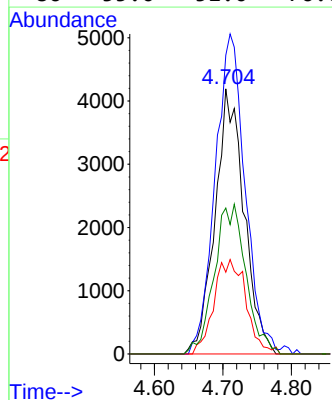
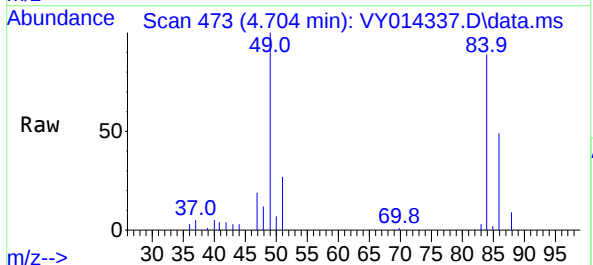
Instrument :
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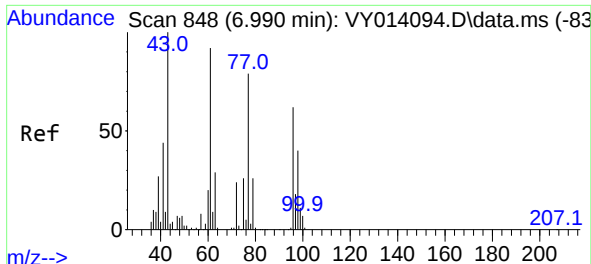
Tgt Ion: 43 Resp: 4059
Ion Ratio Lower Upper
43 100
58 28.8 22.7 34.1



#20
Methylene Chloride
Concen: 1.724 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY014337.D
Acq: 21 Jun 2023 15:44

Tgt Ion: 84 Resp: 12314
Ion Ratio Lower Upper
84 100
49 112.6 106.9 160.3
51 30.8 33.2 49.8#
86 55.0 51.0 76.6

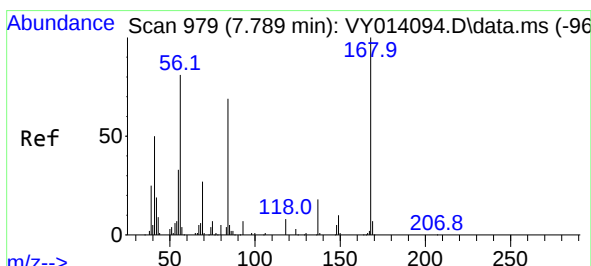
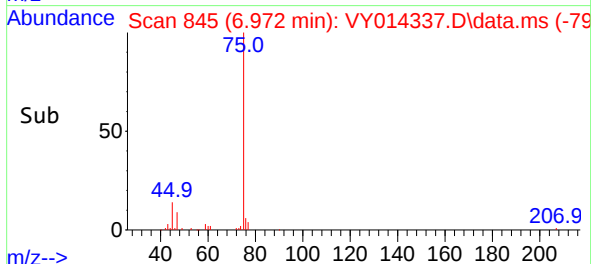
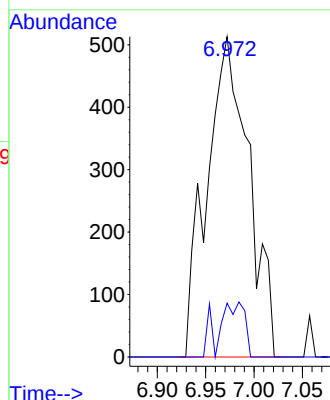
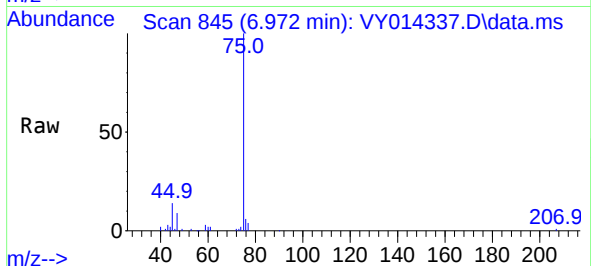




#25
2-Butanone
Concen: 1.697 ug/l
RT: 6.972 min Scan# 848
Delta R.T. -0.018 min
Lab File: VY014337.D
Acq: 21 Jun 2023 15:44

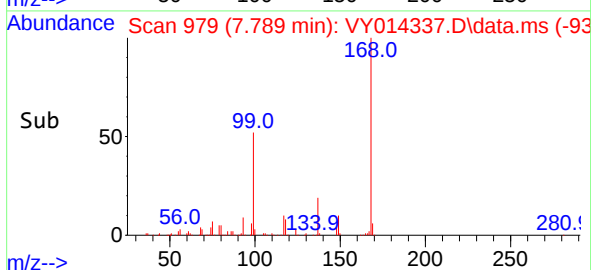
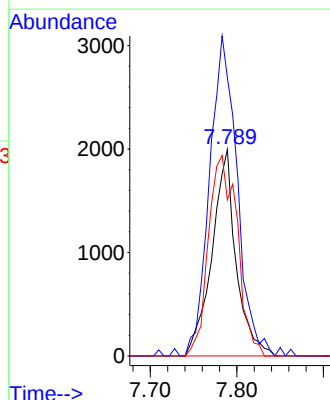
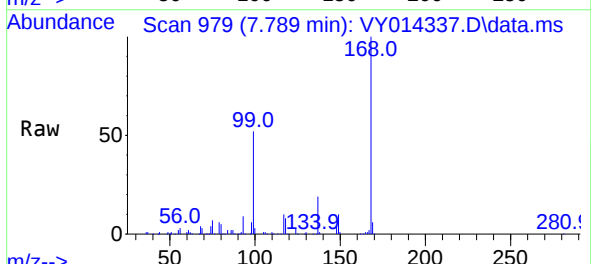
Instrument :
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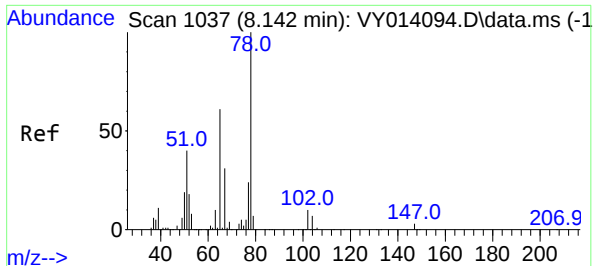
Tgt Ion: 43 Resp: 1554
Ion Ratio Lower Upper
43 100
72 16.8 20.5 30.7#



#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY014337.D
Acq: 21 Jun 2023 15:44

Tgt Ion: 56 Resp: 3868
Ion Ratio Lower Upper
56 100
69 134.7 27.8 41.6#
84 75.6 66.4 99.6

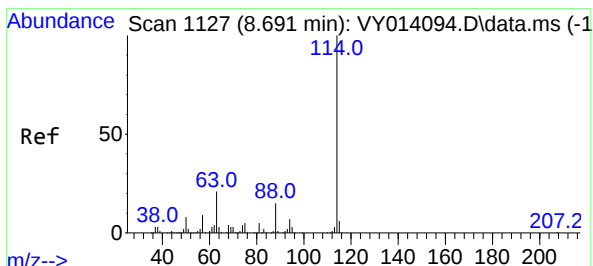
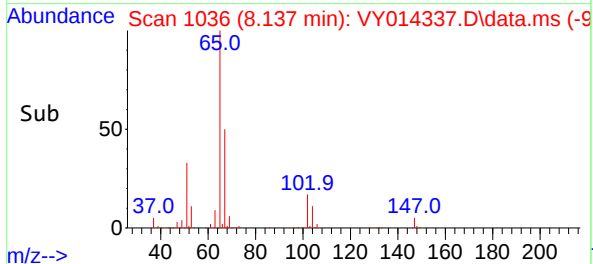
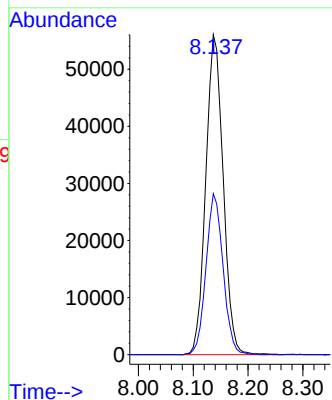
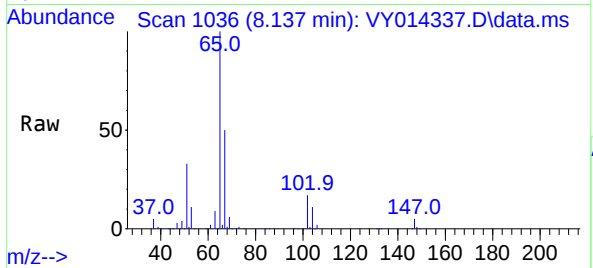




#33
1,2-Dichloroethane-d4
Concen: 49.970 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY014337.D
Acq: 21 Jun 2023 15:44

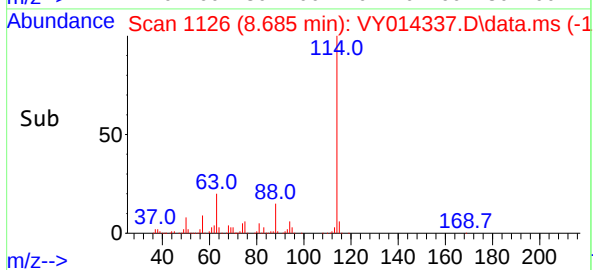
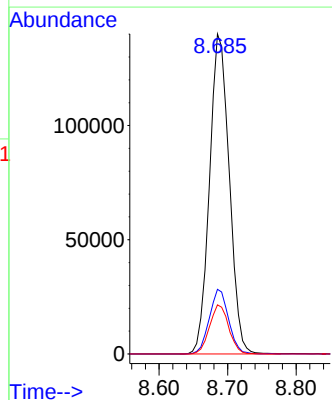
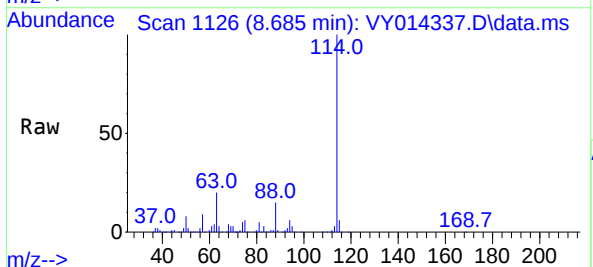
Instrument :
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ClientSampleId :
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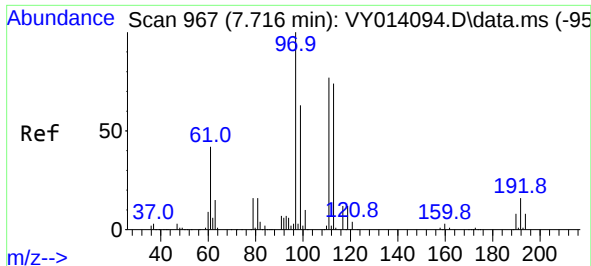
Tgt Ion: 65 Resp: 123315
Ion Ratio Lower Upper
65 100
67 49.4 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY014337.D
Acq: 21 Jun 2023 15:44

Tgt Ion:114 Resp: 280180
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.4
88 15.4 0.0 30.6

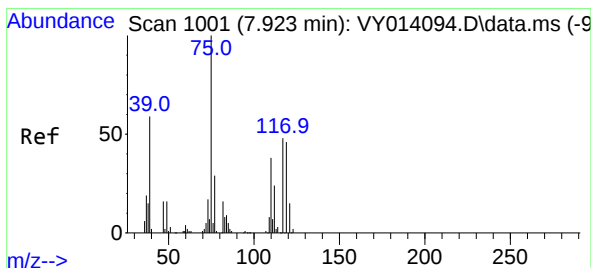
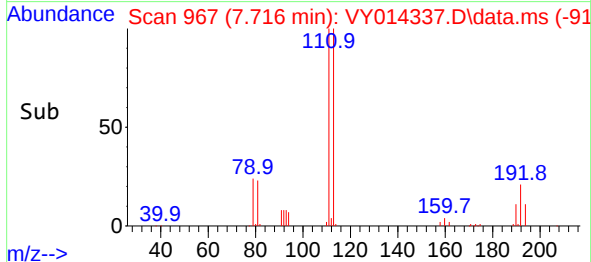
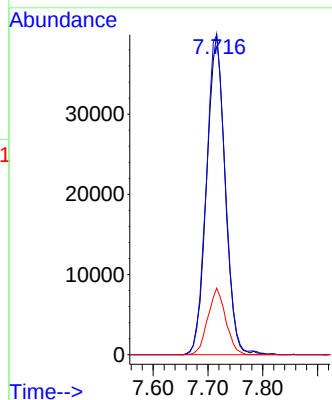
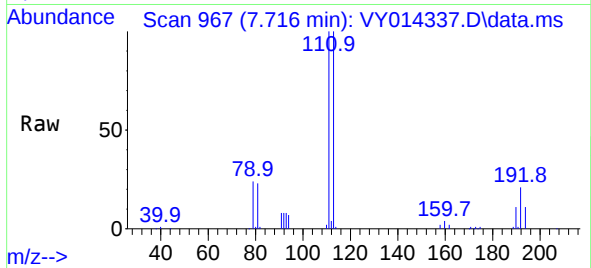




#35
Dibromofluoromethane
Concen: 46.865 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014337.D
Acq: 21 Jun 2023 15:44

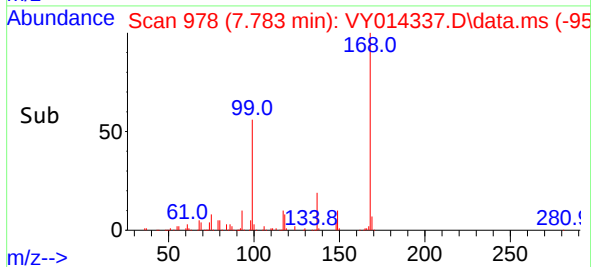
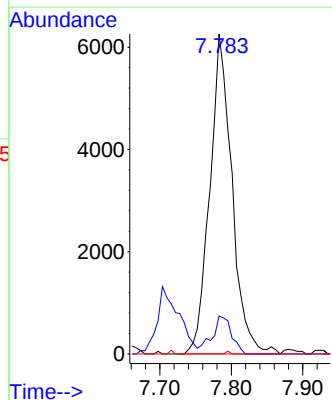
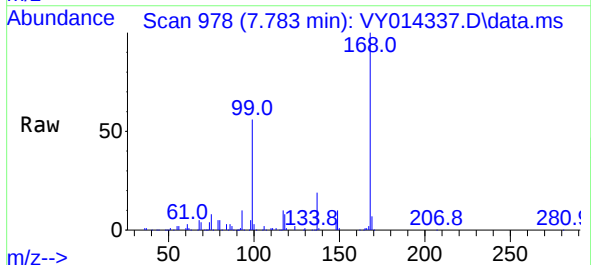
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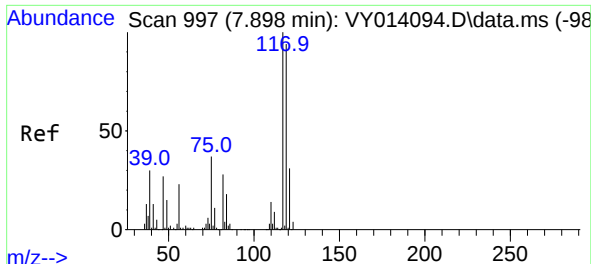
Tgt Ion:113 Resp: 93119
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 20.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.348 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014337.D
Acq: 21 Jun 2023 15:44

Tgt Ion: 75 Resp: 13470
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.5#
77 0.2 24.4 36.6#

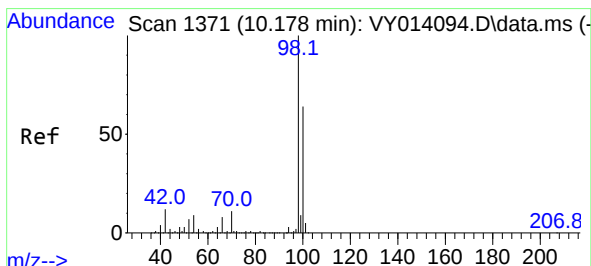
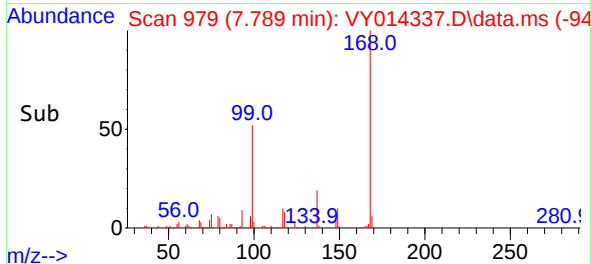
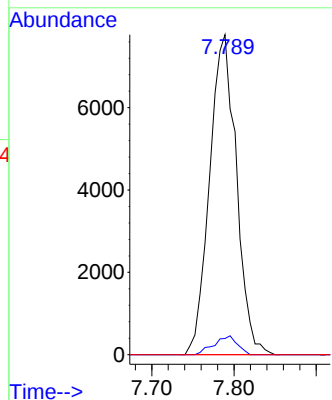
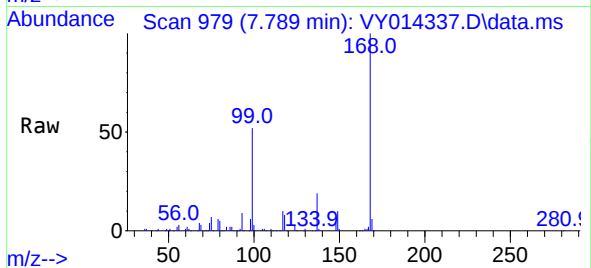




#38
Carbon Tetrachloride
Concen: 4.922 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014337.D
Acq: 21 Jun 2023 15:44

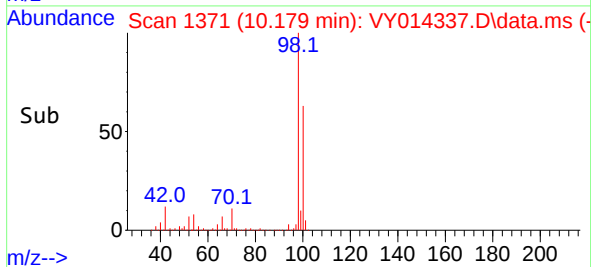
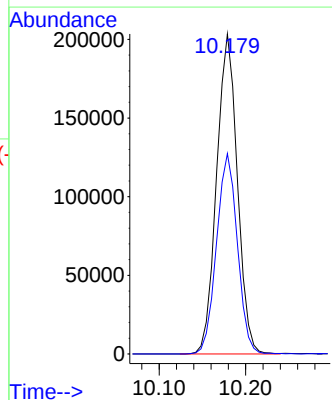
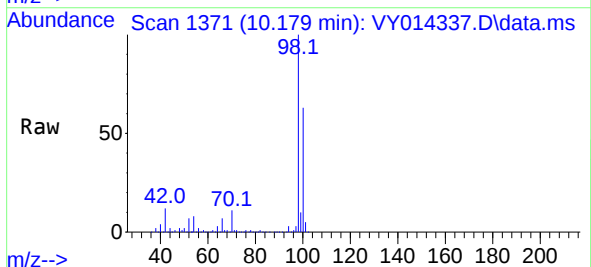
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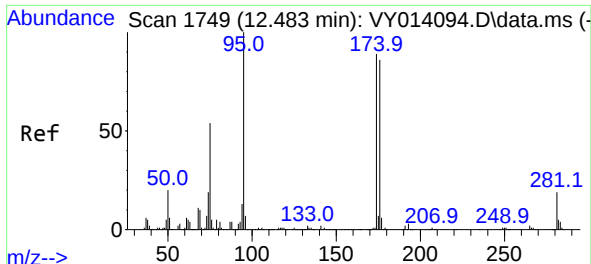
Tgt Ion:117 Resp: 17594
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 45.623 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014337.D
Acq: 21 Jun 2023 15:44

Tgt Ion: 98 Resp: 338907
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1

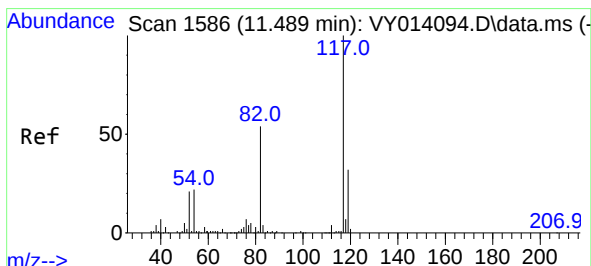
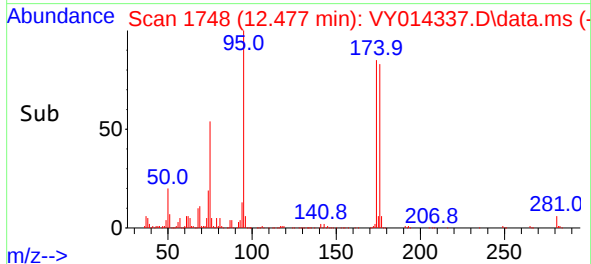
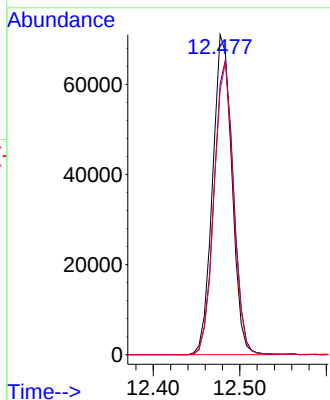
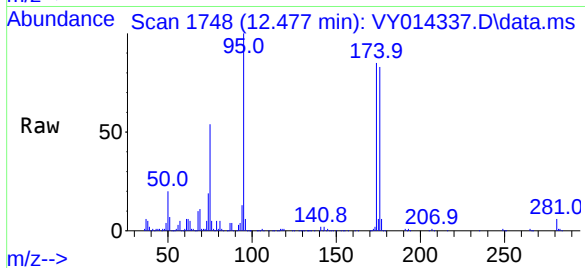




#62
4-Bromofluorobenzene
Concen: 41.785 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014337.D
Acq: 21 Jun 2023 15:44

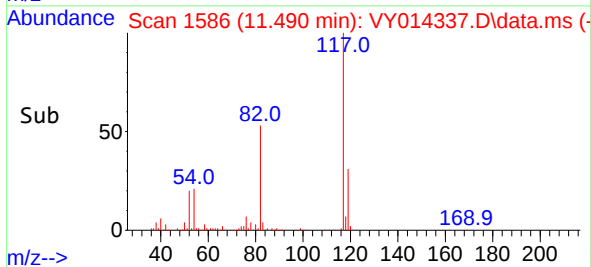
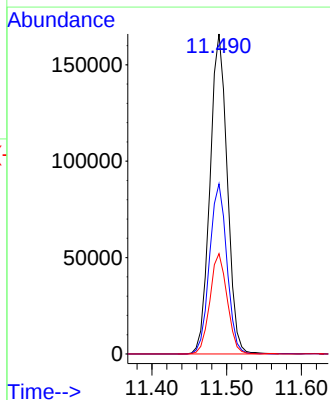
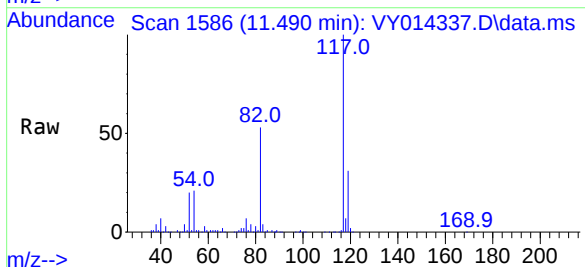
Instrument :
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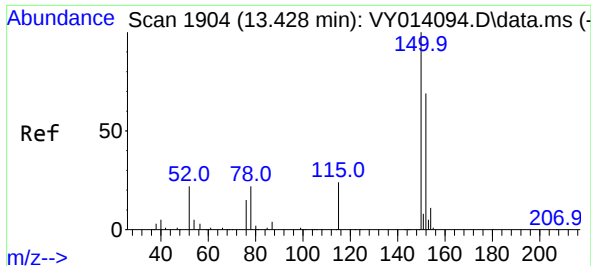
Tgt Ion: 95 Resp: 110262
Ion Ratio Lower Upper
95 100
174 93.9 0.0 178.2
176 91.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014337.D
Acq: 21 Jun 2023 15:44

Tgt Ion: 117 Resp: 267229
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 31.3 26.3 39.5

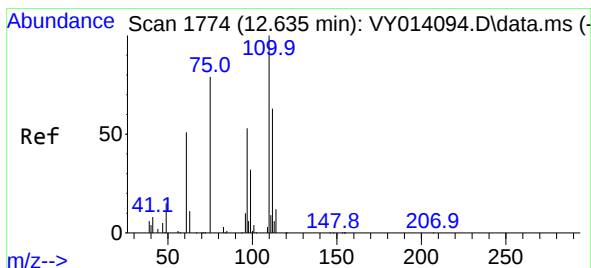
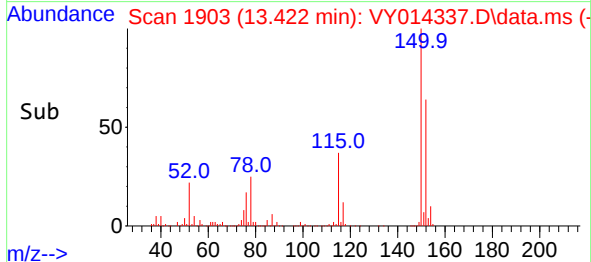
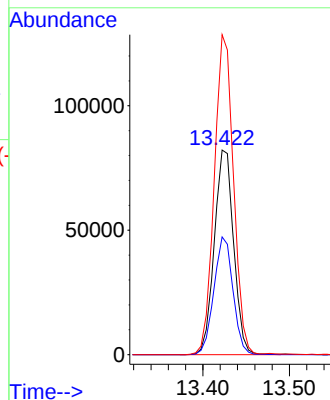
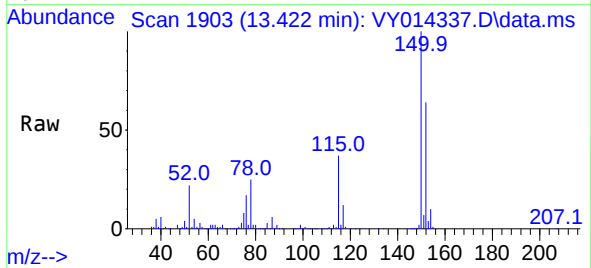




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY014337.D
Acq: 21 Jun 2023 15:44

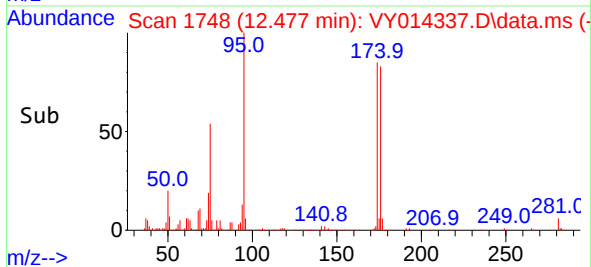
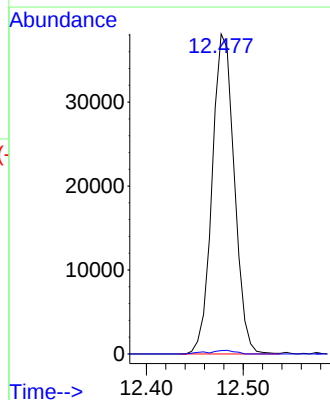
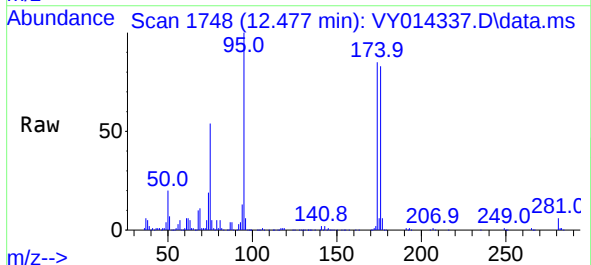
Instrument :
MSVOA_Y
ClientSampleId :
WC-7

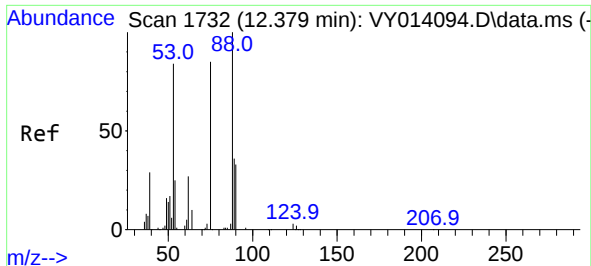
Tgt Ion:152 Resp: 127634
Ion Ratio Lower Upper
152 100
115 56.8 28.8 86.5
150 155.2 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 36.256 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014337.D
Acq: 21 Jun 2023 15:44

Tgt Ion: 75 Resp: 60711
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 78.371 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY014337.D
Acq: 21 Jun 2023 15:44

Instrument :
MSVOA_Y
ClientSampleId :
WC-7

Tgt Ion: 75 Resp: 60711
Ion Ratio Lower Upper
75 100
53 0.8 77.8 116.8#
89 0.1 37.4 56.0#

