

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014297.D
 Acq On : 20 Jun 2023 20:37
 Operator : KP/MD
 Sample : 03321-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-25

Quant Time: Jun 21 02:10:10 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)

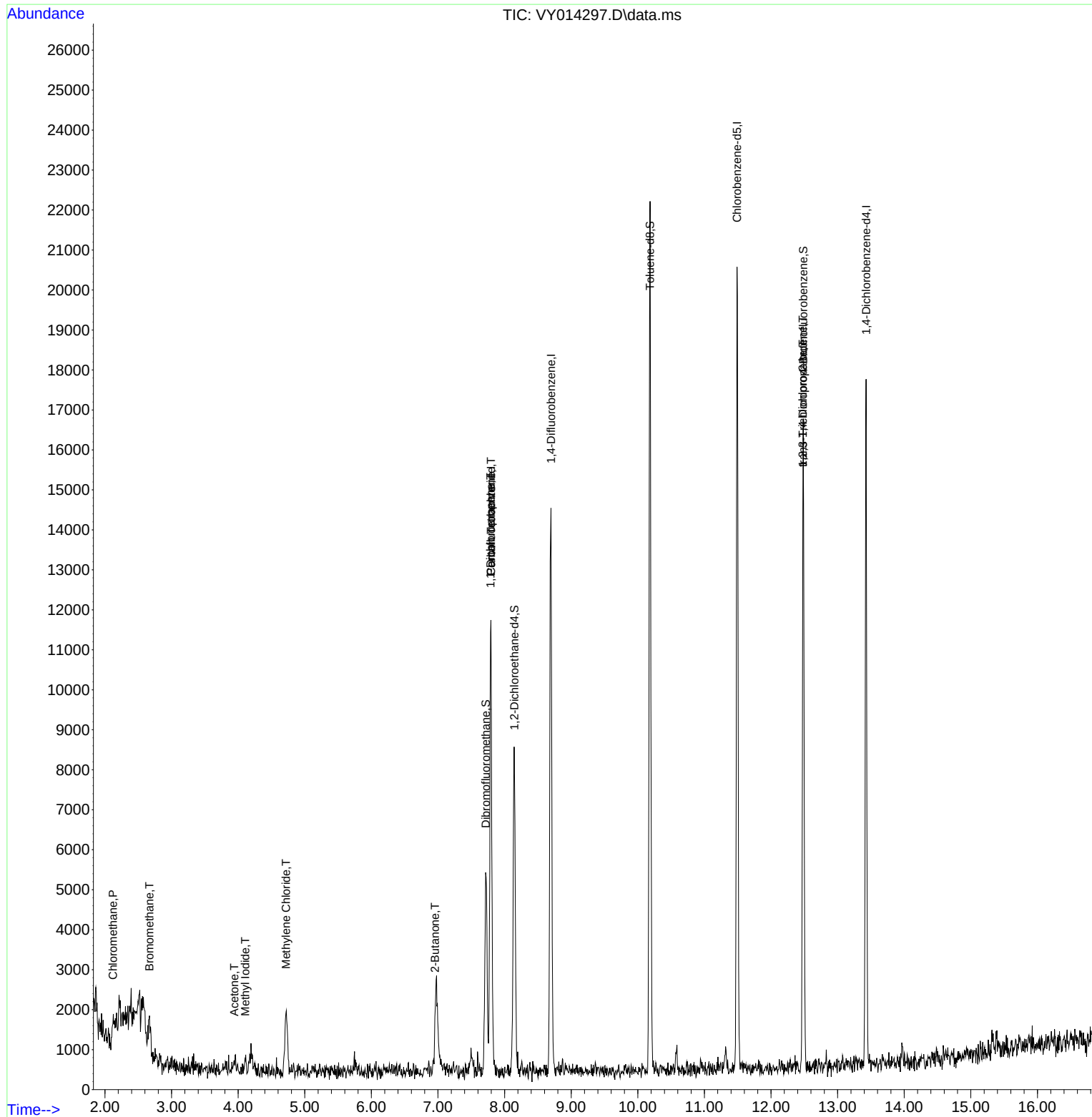
Internal Standards						
1) Pentafluorobenzene	7.795	168	8318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	12763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	11162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	6335	54.692	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.380%			
35) Dibromofluoromethane	7.716	113	3382	37.365	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 74.740%			
50) Toluene-d8	10.185	98	14884	43.985	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 87.960%			
62) 4-Bromofluorobenzene	12.483	95	4447	36.995	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 73.980%			
Target Compounds						Qvalue
3) Chloromethane	2.119	50	300	2.552	ug/l	91
5) Bromomethane	2.668	94	269	2.853	ug/l #	1
10) Methyl Iodide	4.107	142	247	1.996	ug/l #	88
16) Acetone	3.942	43	256	7.332	ug/l	94
20) Methylene Chloride	4.716	84	689	2.797	ug/l #	73
25) 2-Butanone	6.954	43	69	1.605	ug/l #	49
36) 1,1-Dichloropropene	7.789	75	720	5.102	ug/l #	41
38) Carbon Tetrachloride	7.795	117	861	5.287	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	2434	39.041	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	2434	84.391	ug/l #	10

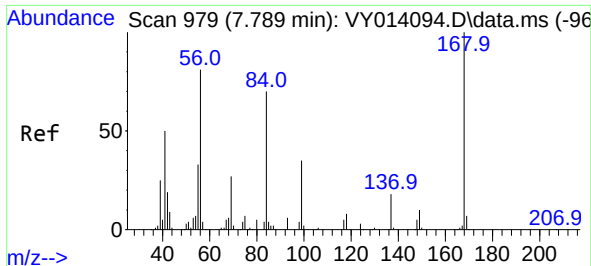
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

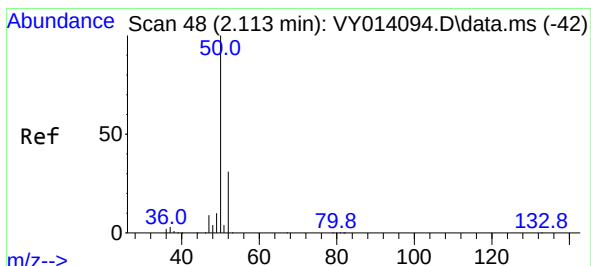
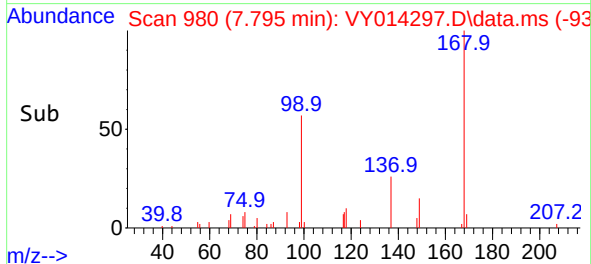
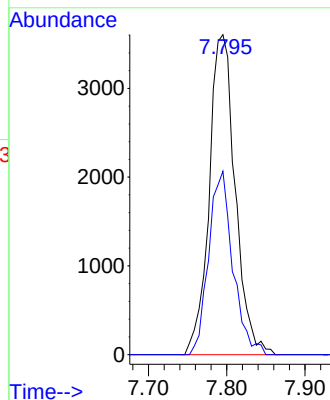
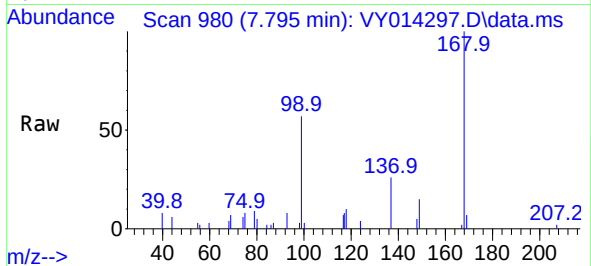




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014297.D
Acq: 20 Jun 2023 20:37

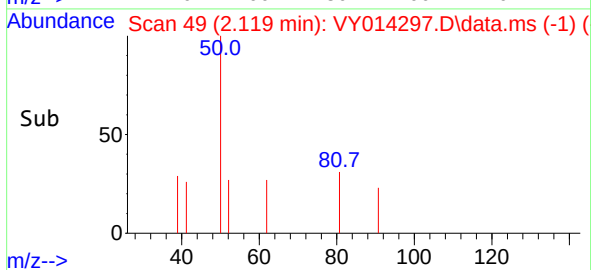
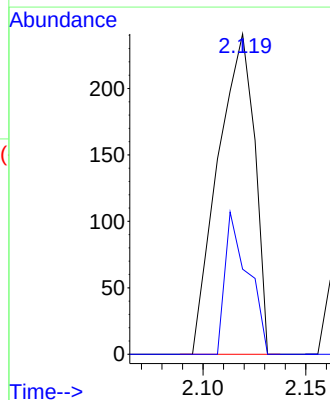
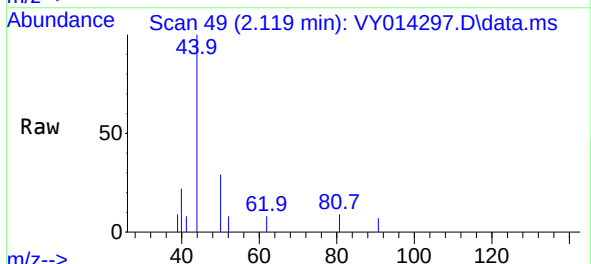
Instrument :
MSVOA_Y
ClientSampleId :
WC-25

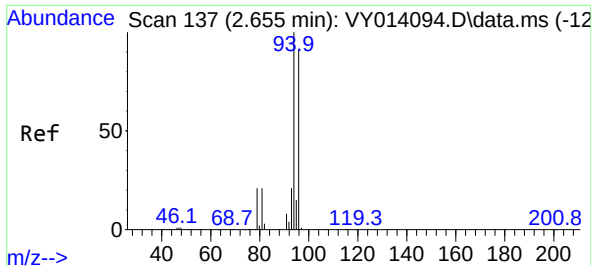
Tgt Ion:168 Resp: 8318
Ion Ratio Lower Upper
168 100
99 57.3 43.4 65.0



#3
Chloromethane
Concen: 2.552 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY014297.D
Acq: 20 Jun 2023 20:37

Tgt Ion: 50 Resp: 300
Ion Ratio Lower Upper
50 100
52 26.6 25.4 38.2

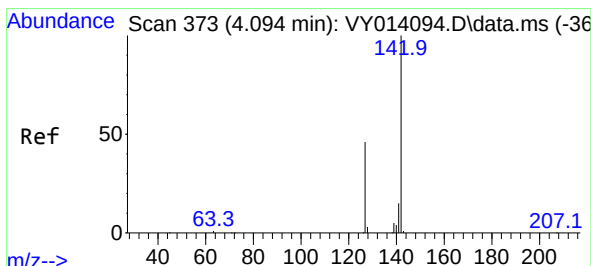
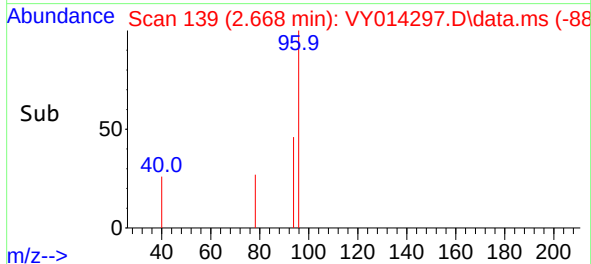
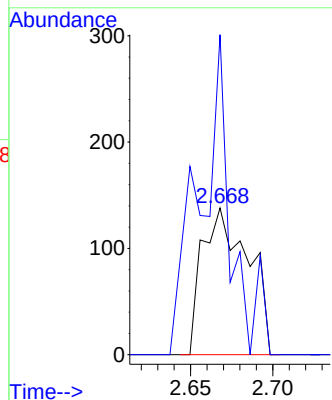
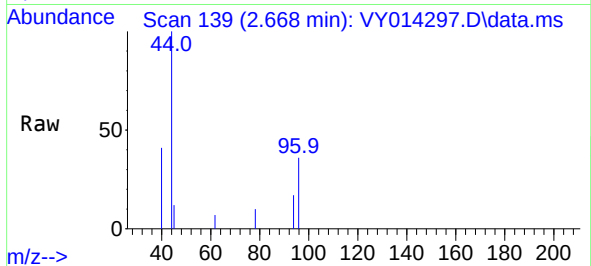




#5
Bromomethane
Concen: 2.853 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014297.D
Acq: 20 Jun 2023 20:37

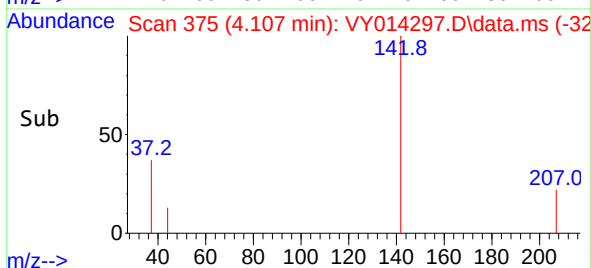
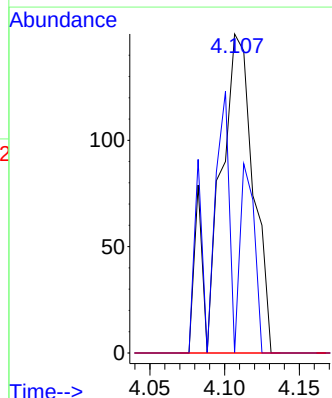
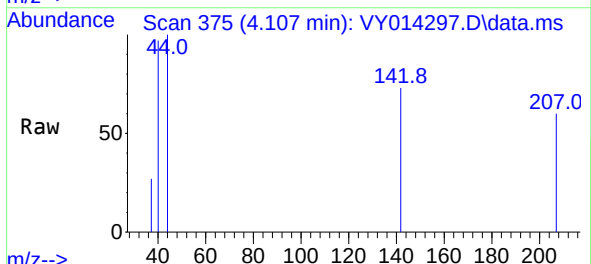
Instrument :
MSVOA_Y
ClientSampleId :
WC-25

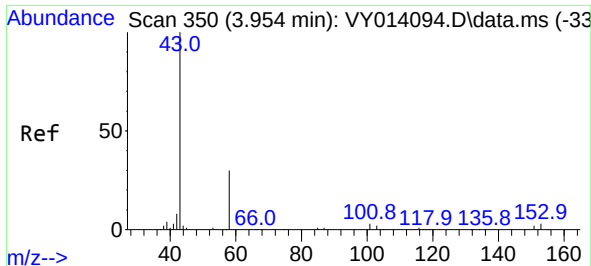
Tgt Ion: 94 Resp: 269
Ion Ratio Lower Upper
94 100
96 218.1 75.8 113.6#



#10
Methyl Iodide
Concen: 1.996 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.013 min
Lab File: VY014297.D
Acq: 20 Jun 2023 20:37

Tgt Ion:142 Resp: 247
Ion Ratio Lower Upper
142 100
127 44.1 37.6 56.4
141 0.0 11.8 17.8#

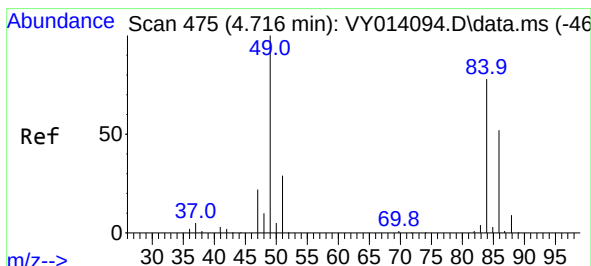
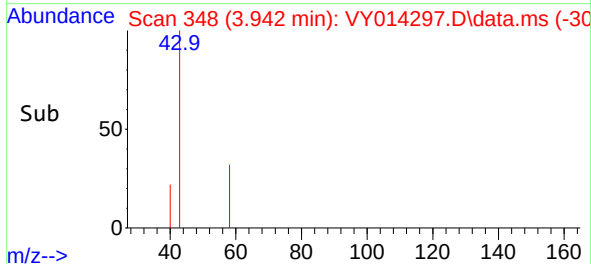
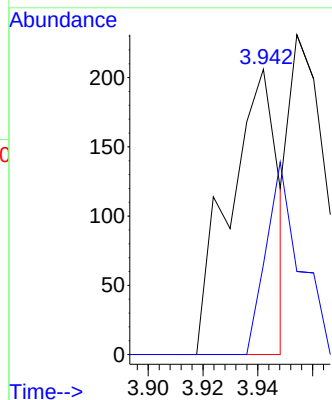
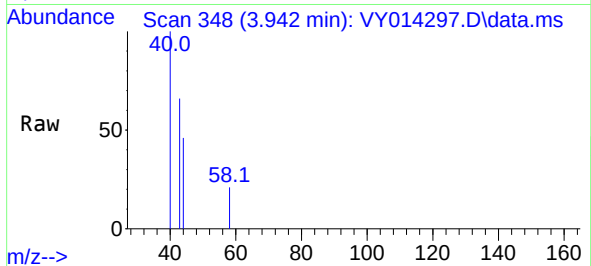




#16
Acetone
Concen: 7.332 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY014297.D
Acq: 20 Jun 2023 20:37

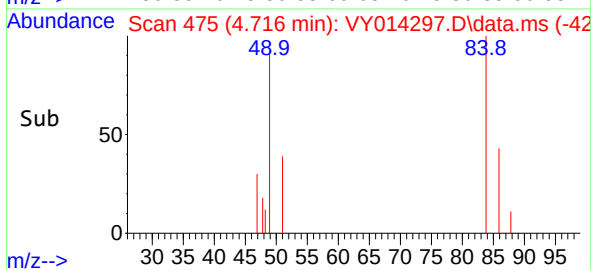
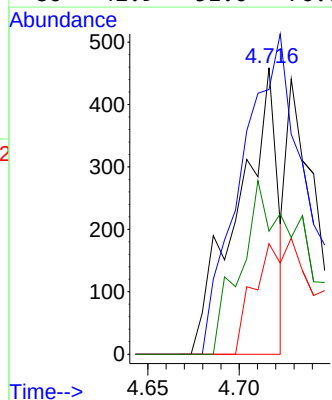
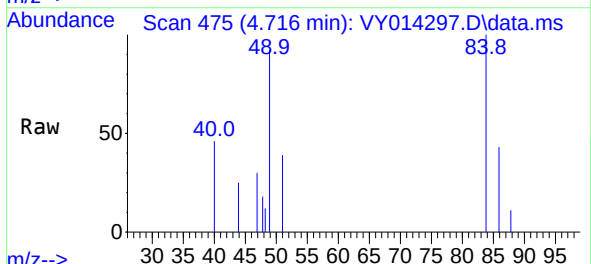
Instrument :
MSVOA_Y
ClientSampleId :
WC-25

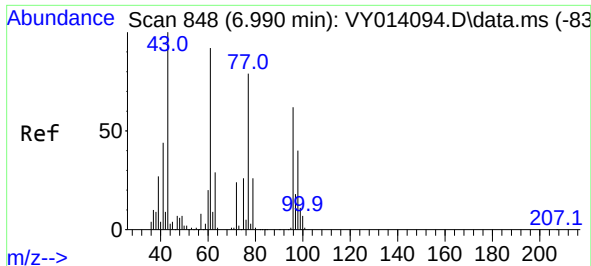
Tgt Ion: 43 Resp: 256
Ion Ratio Lower Upper
43 100
58 31.6 22.7 34.1



#20
Methylene Chloride
Concen: 2.797 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY014297.D
Acq: 20 Jun 2023 20:37

Tgt Ion: 84 Resp: 689
Ion Ratio Lower Upper
84 100
49 92.4 106.9 160.3#
51 38.6 33.2 49.8
86 42.9 51.0 76.6#

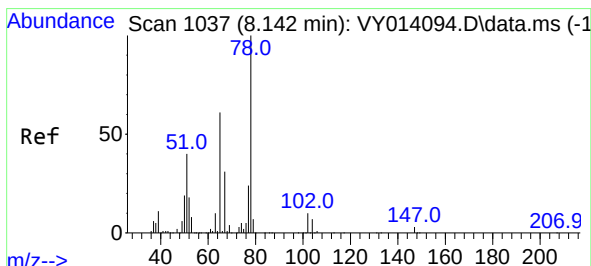
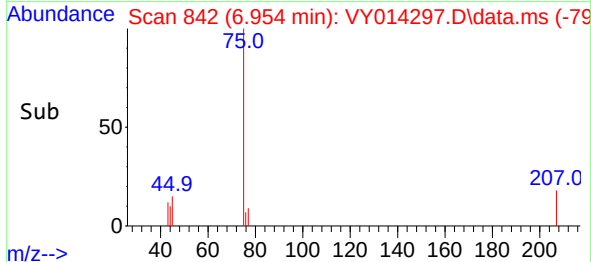
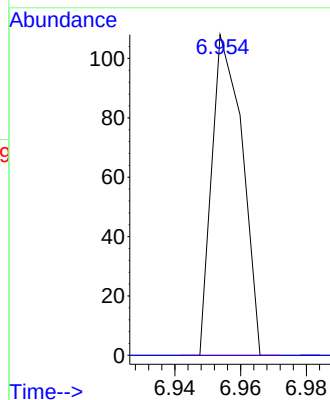
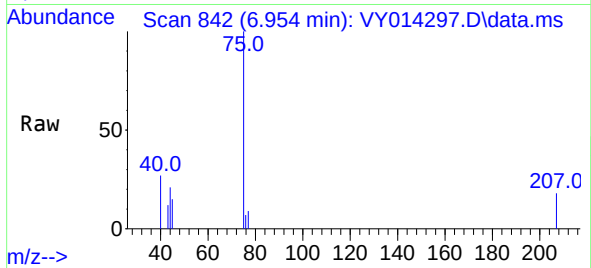




#25
2-Butanone
Concen: 1.605 ug/l
RT: 6.954 min Scan# 84
Delta R.T. -0.036 min
Lab File: VY014297.D
Acq: 20 Jun 2023 20:37

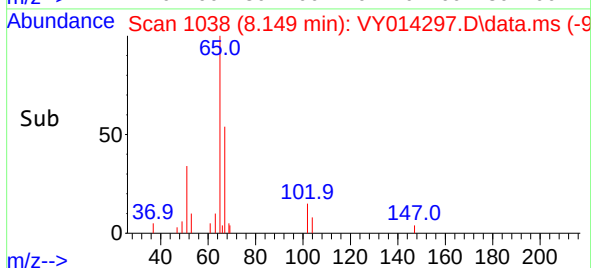
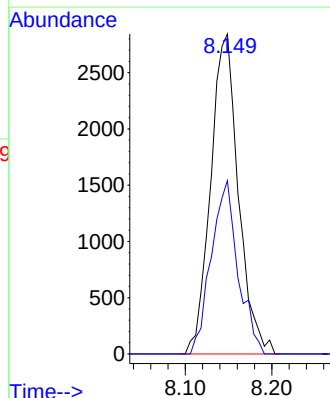
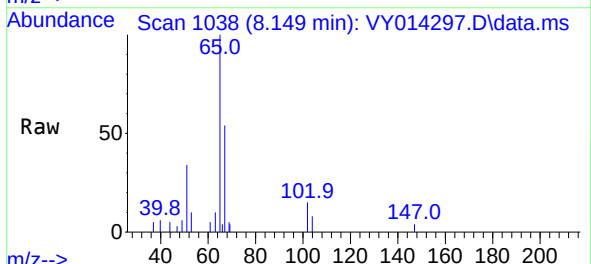
Instrument :
MSVOA_Y
ClientSampleId :
WC-25

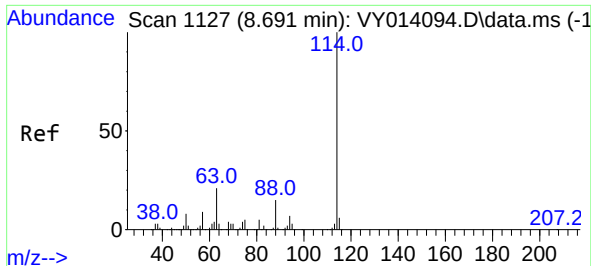
Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#33
1,2-Dichloroethane-d4
Concen: 54.692 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014297.D
Acq: 20 Jun 2023 20:37

Tgt Ion: 65 Resp: 6335
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014297.D

Acq: 20 Jun 2023 20:37

Instrument :

MSVOA_Y

ClientSampleId :

WC-25

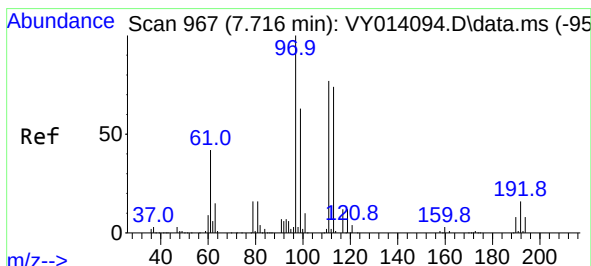
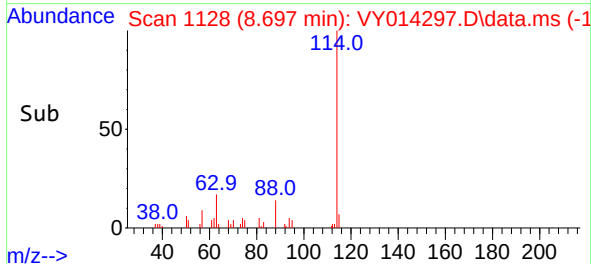
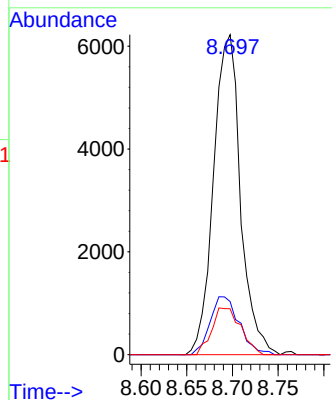
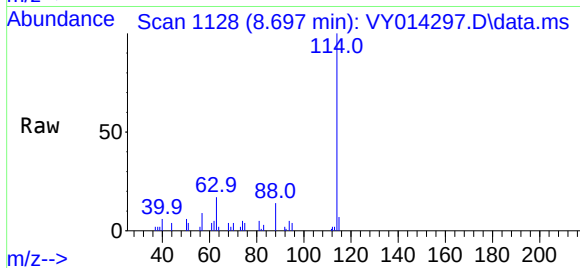
Tgt Ion:114 Resp: 12763

Ion Ratio Lower Upper

114 100

63 16.6 0.0 42.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 37.365 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014297.D

Acq: 20 Jun 2023 20:37

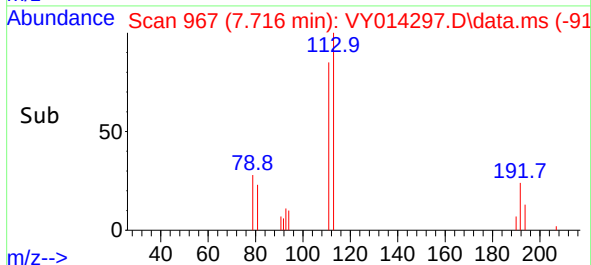
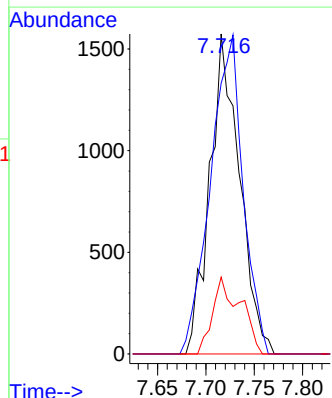
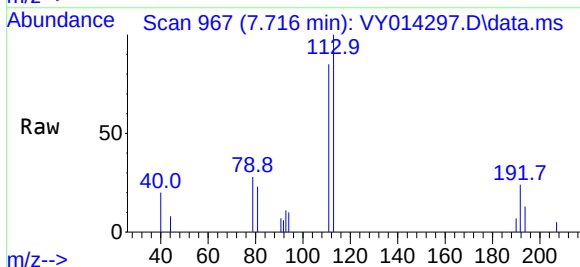
Tgt Ion:113 Resp: 3382

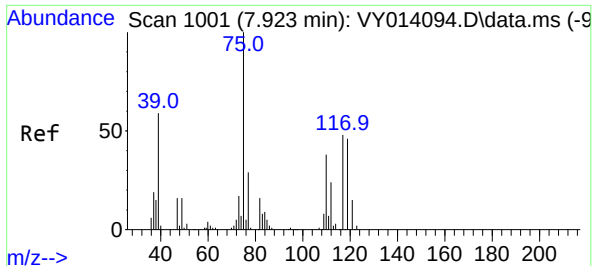
Ion Ratio Lower Upper

113 100

111 108.5 81.3 121.9

192 22.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.102 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY014297.D

Acq: 20 Jun 2023 20:37

Instrument :

MSVOA_Y

ClientSampleId :

WC-25

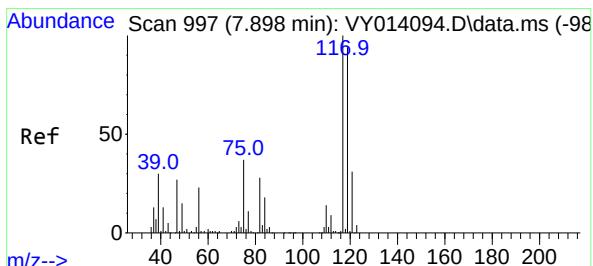
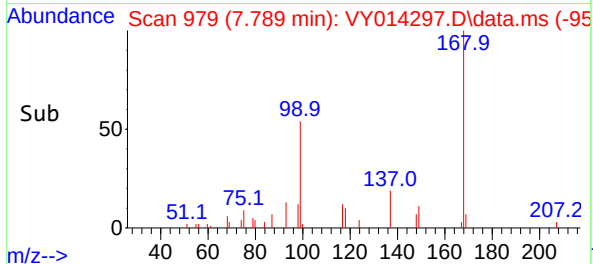
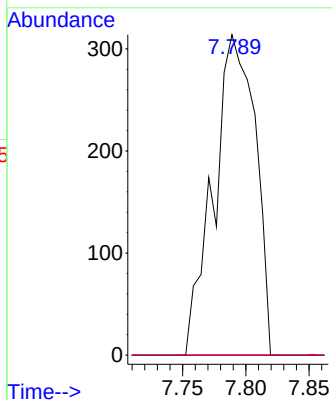
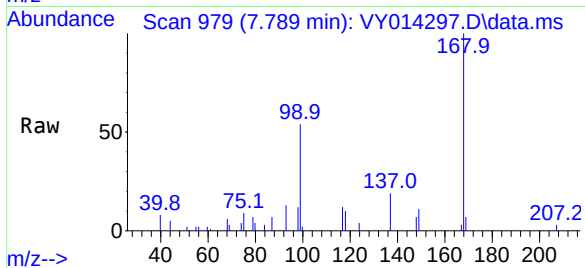
Tgt Ion: 75 Resp: 720

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.287 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.103 min

Lab File: VY014297.D

Acq: 20 Jun 2023 20:37

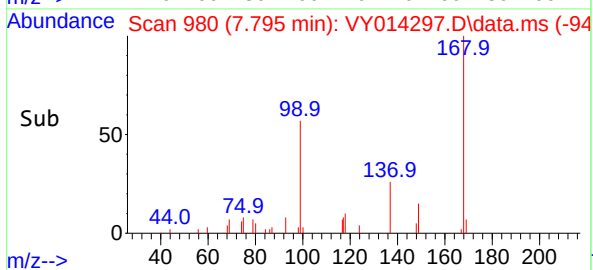
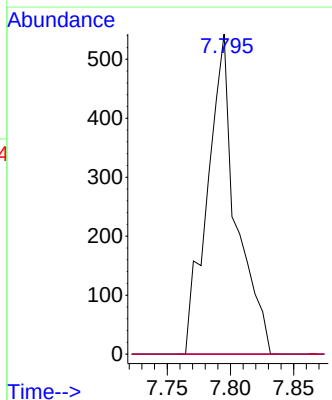
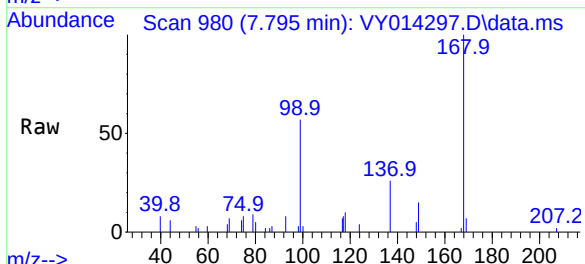
Tgt Ion: 117 Resp: 861

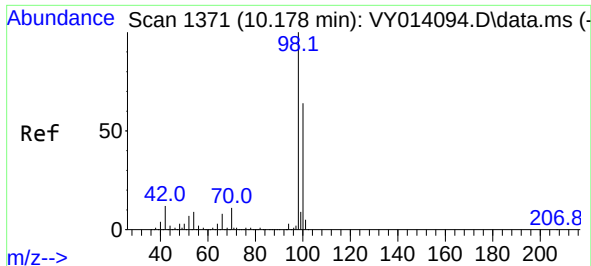
Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#

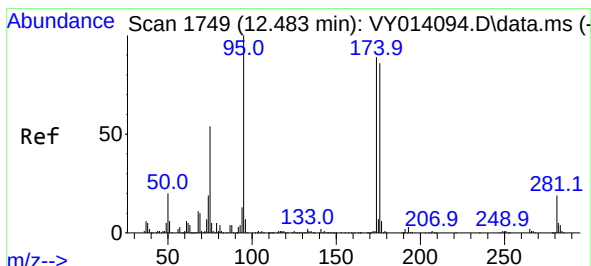
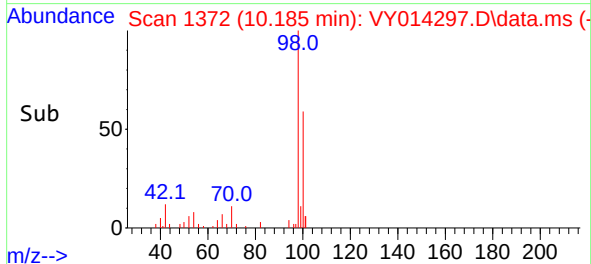
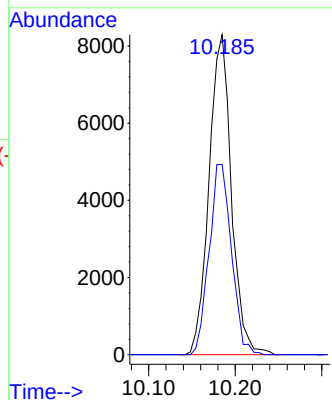
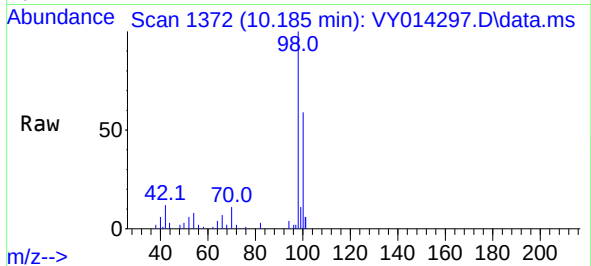




#50
Toluene-d8
Concen: 43.985 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014297.D
Acq: 20 Jun 2023 20:37

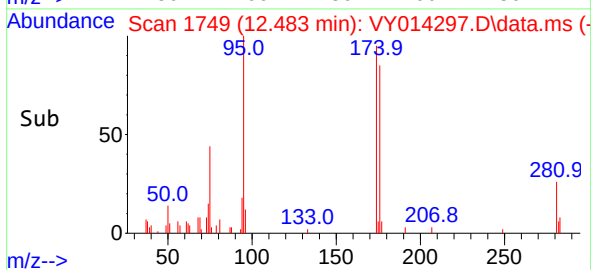
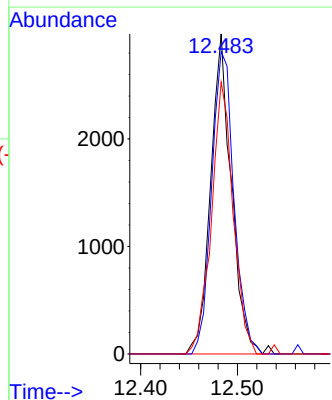
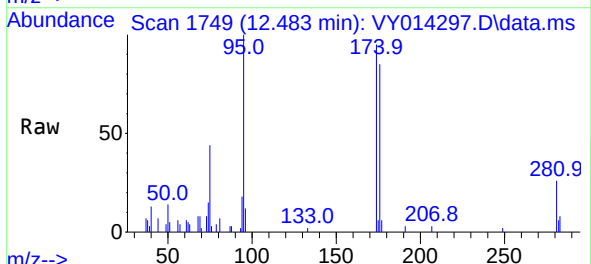
Instrument :
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WC-25

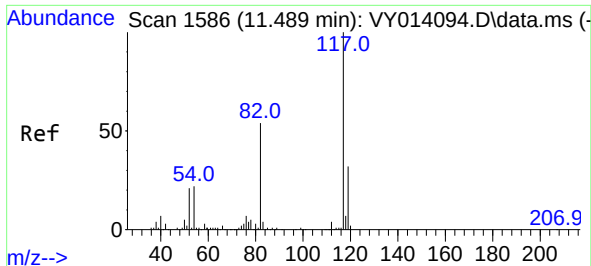
Tgt Ion: 98 Resp: 14884
Ion Ratio Lower Upper
98 100
100 59.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 36.995 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014297.D
Acq: 20 Jun 2023 20:37

Tgt Ion: 95 Resp: 4447
Ion Ratio Lower Upper
95 100
174 101.3 0.0 178.2
176 88.8 0.0 173.8

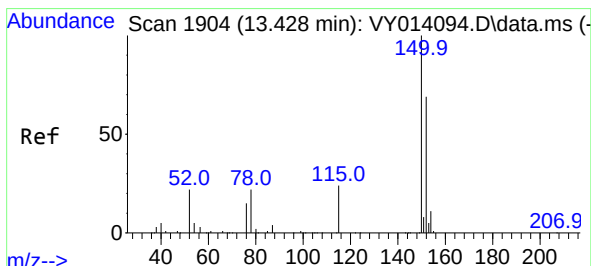
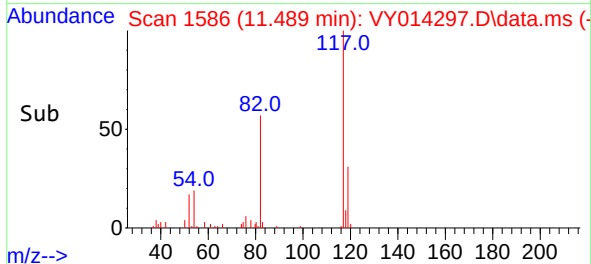
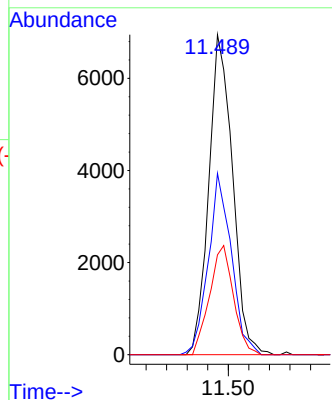
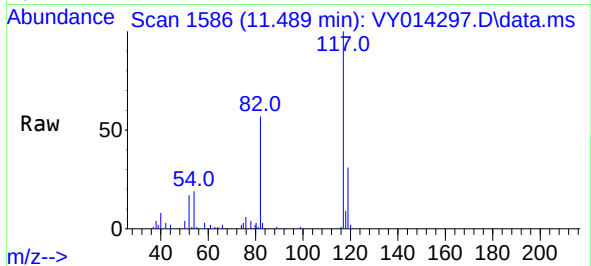




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014297.D
Acq: 20 Jun 2023 20:37

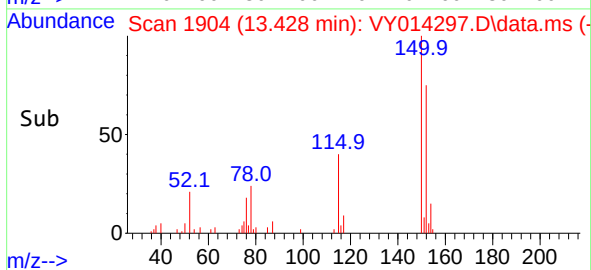
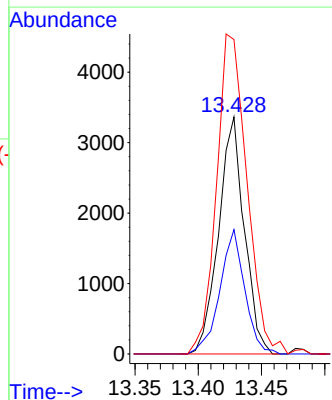
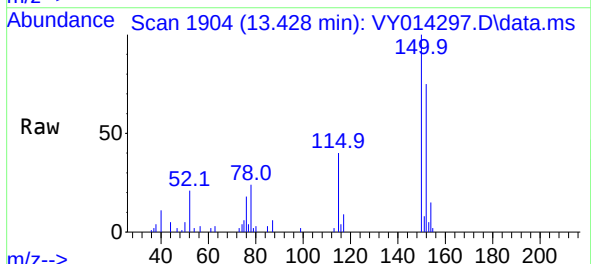
Instrument :
MSVOA_Y
ClientSampleId :
WC-25

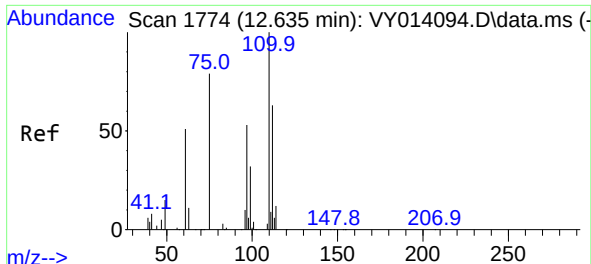
Tgt Ion:	117	Resp:	11162
Ion	Ratio	Lower	Upper
117	100		
82	56.6	43.4	65.0
119	31.2	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014297.D
Acq: 20 Jun 2023 20:37

Tgt Ion:	152	Resp:	4752
Ion	Ratio	Lower	Upper
152	100		
115	51.0	28.8	86.5
150	160.2	0.0	348.8

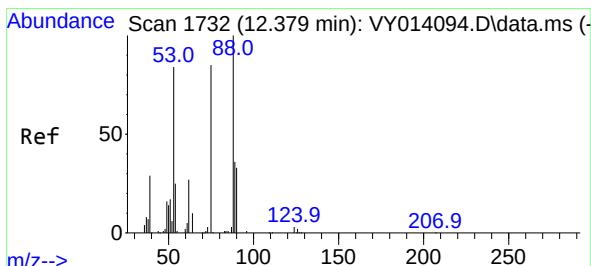
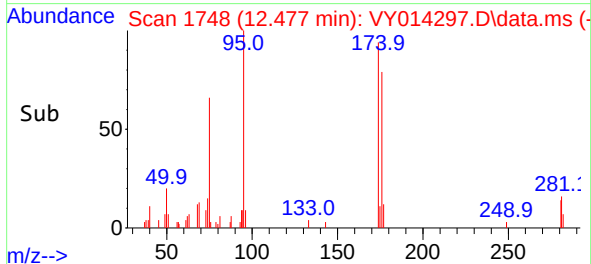
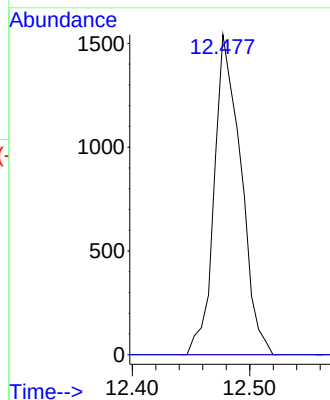
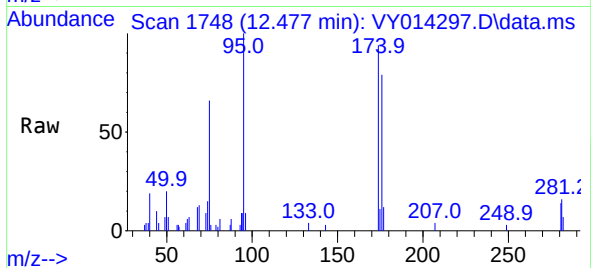




#76
1,2,3-Trichloropropane
Concen: 39.041 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014297.D
Acq: 20 Jun 2023 20:37

Instrument :
MSVOA_Y
ClientSampleId :
WC-25

Tgt Ion: 75 Resp: 2434
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 84.391 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014297.D
Acq: 20 Jun 2023 20:37

Tgt Ion: 75 Resp: 2434
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

