

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100422\
 Data File : VY010798.D
 Acq On : 04 Oct 2022 16:18
 Operator : KP/MD
 Sample : N4943-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 05 07:31:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

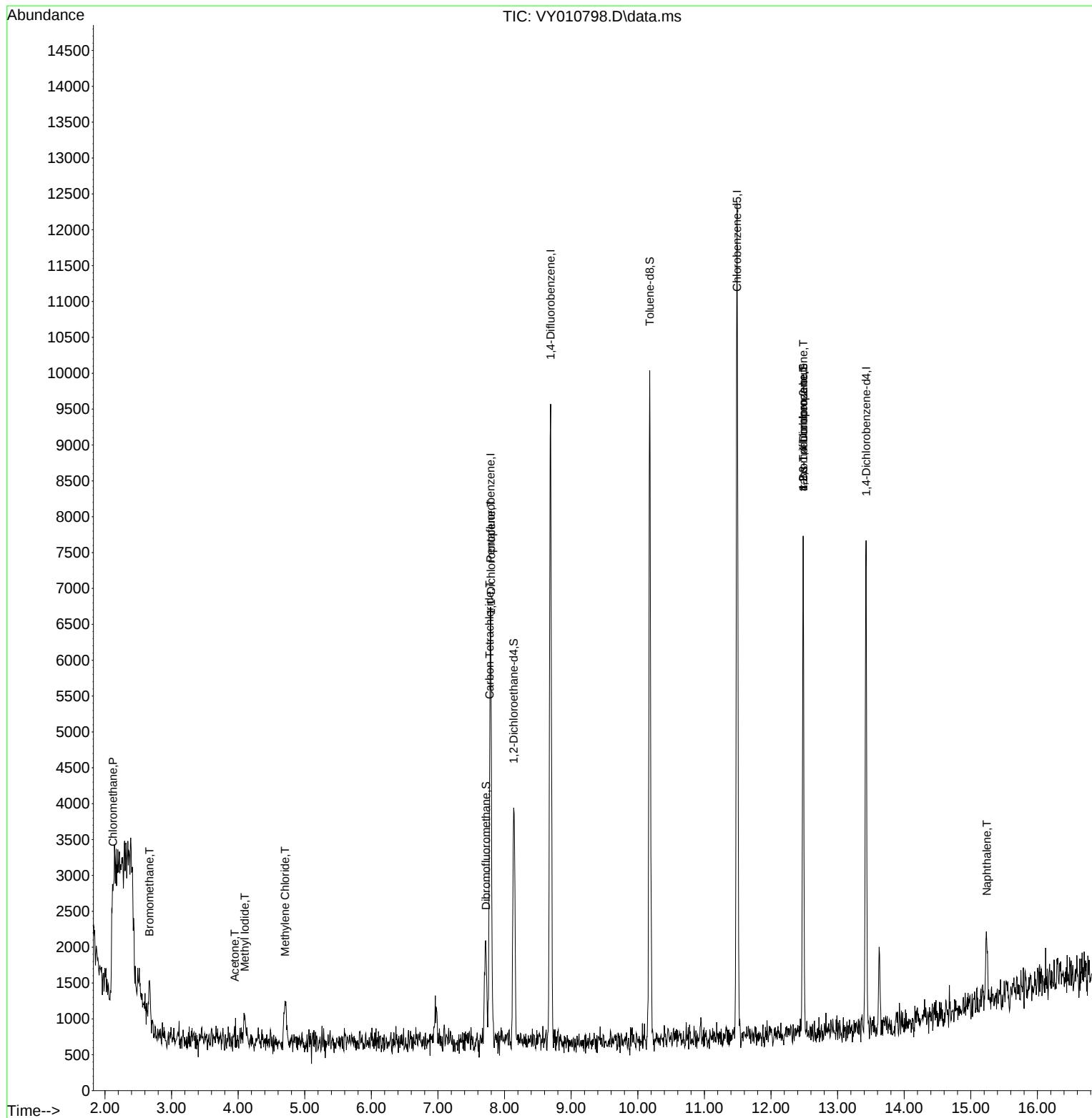
Internal Standards						
1) Pentafluorobenzene	7.789	168	5080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	8249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	7296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	2902	56.358	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.720%	
35) Dibromofluoromethane	7.722	113	1248	22.791	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 45.580%#	
50) Toluene-d8	10.179	98	6782	36.216	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 72.440%	
62) 4-Bromofluorobenzene	12.483	95	2164	27.956	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 55.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	285	4.869	ug/l #	82
5) Bromomethane	2.668	94	221	4.419	ug/l	86
10) Methyl Iodide	4.101	142	638	9.698	ug/l #	69
16) Acetone	3.948	43	180	13.764	ug/l #	47
20) Methylene Chloride	4.704	84	506	4.030	ug/l #	70
36) 1,1-Dichloropropene	7.795	75	434	5.490	ug/l #	42
38) Carbon Tetrachloride	7.777	117	195	2.368	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	1198	61.646	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1198	128.773	ug/l #	7
95) Naphthalene	15.239	128	1117	17.446	ug/l #	88

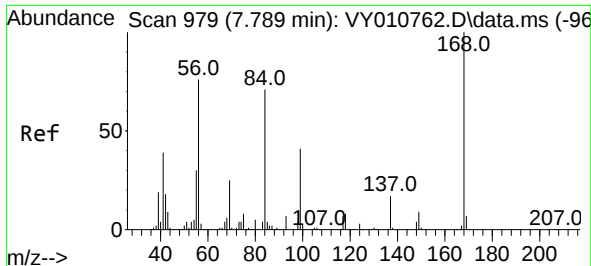
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

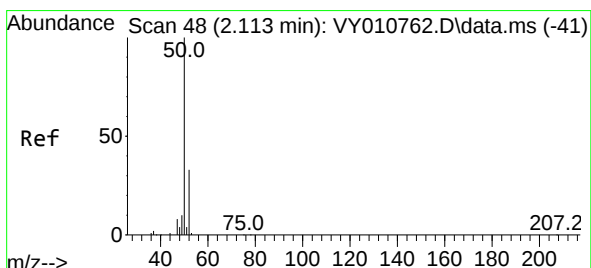
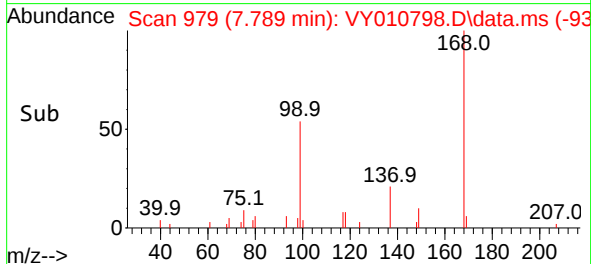
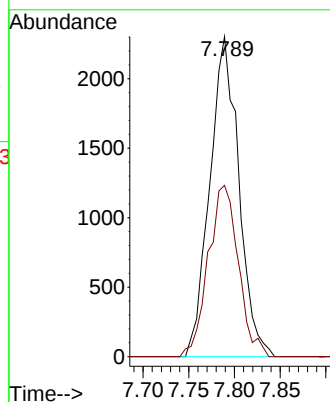
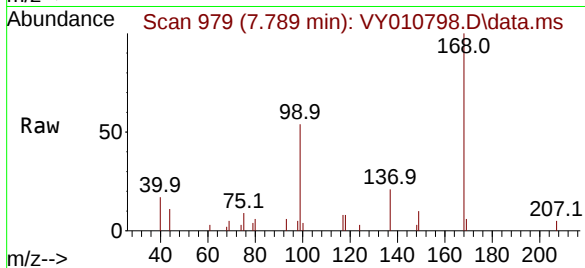




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010798.D
Acq: 04 Oct 2022 16:18

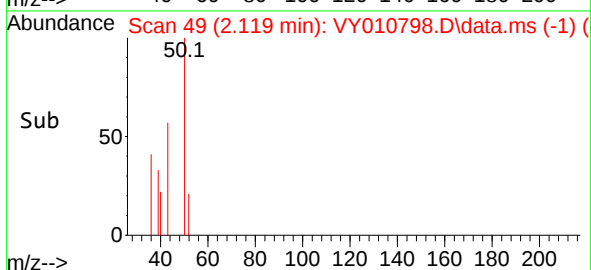
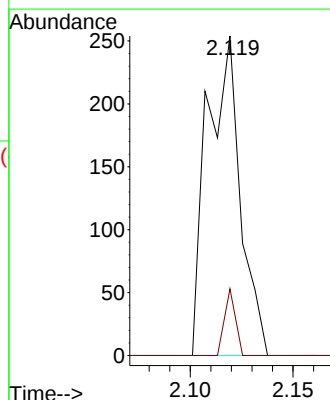
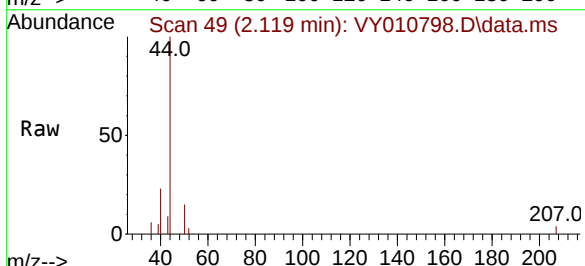
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MSVOA_Y
ClientSampleId :

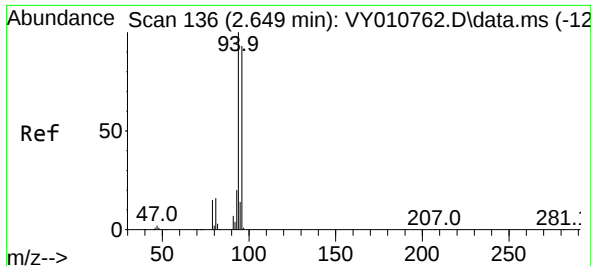
Tgt Ion:168 Resp: 5080
Ion Ratio Lower Upper
168 100
99 53.5 46.9 70.3



#3
Chloromethane
Concen: 4.869 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY010798.D
Acq: 04 Oct 2022 16:18

Tgt Ion: 50 Resp: 285
Ion Ratio Lower Upper
50 100
52 20.9 24.6 37.0#

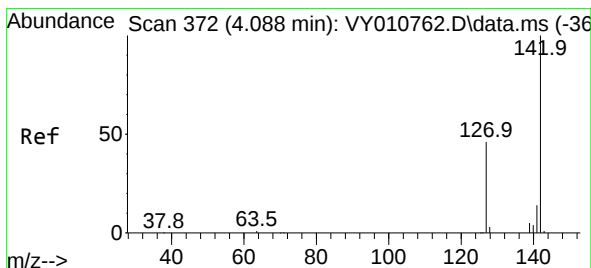
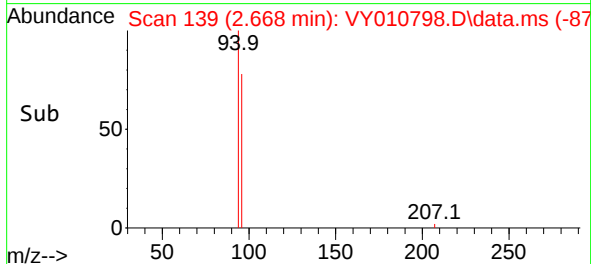
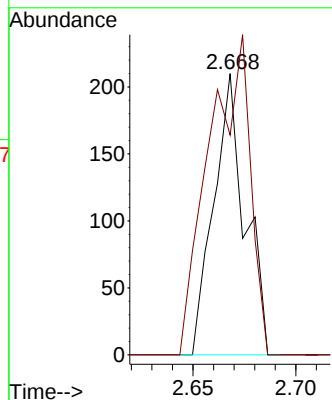
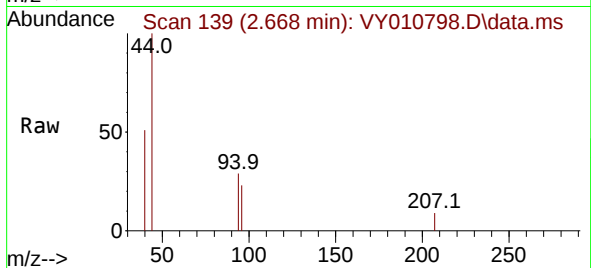




#5
Bromomethane
Concen: 4.419 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY010798.D
Acq: 04 Oct 2022 16:18

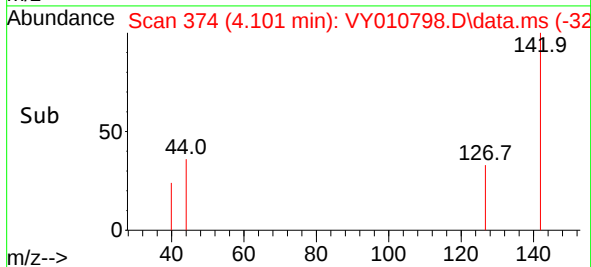
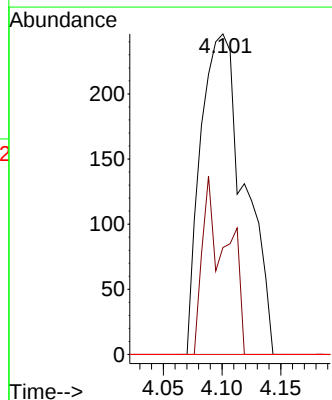
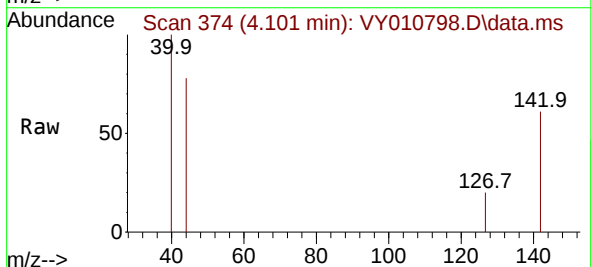
Instrument :
MSVOA_Y
ClientSampleId :

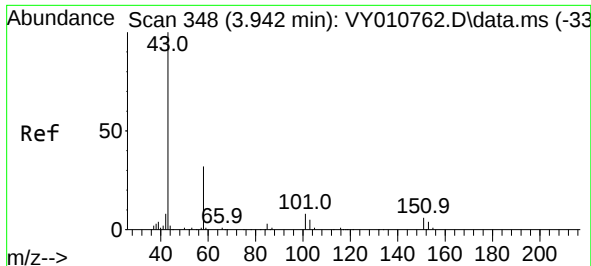
Tgt Ion: 94 Resp: 221
Ion Ratio Lower Upper
94 100
96 78.1 73.5 110.3



#10
Methyl Iodide
Concen: 9.698 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.013 min
Lab File: VY010798.D
Acq: 04 Oct 2022 16:18

Tgt Ion: 142 Resp: 638
Ion Ratio Lower Upper
142 100
127 31.0 41.5 62.3#
141 0.0 11.9 17.9#

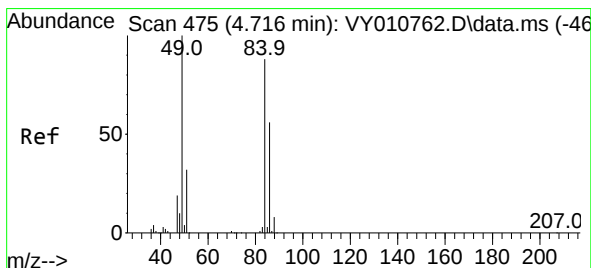
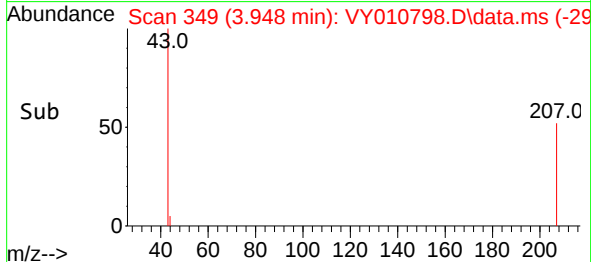
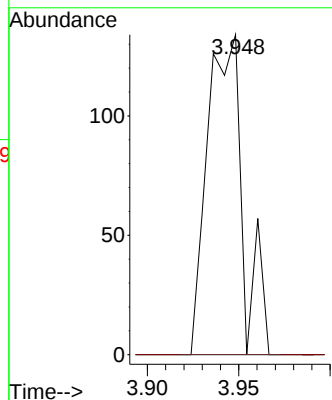
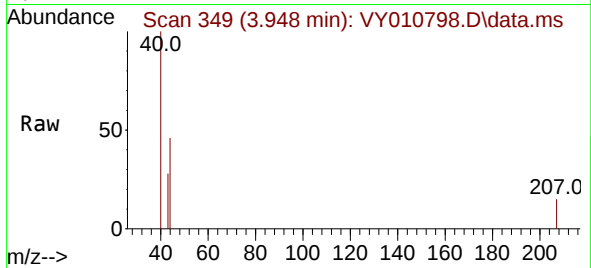




#16
Acetone
Concen: 13.764 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010798.D
Acq: 04 Oct 2022 16:18

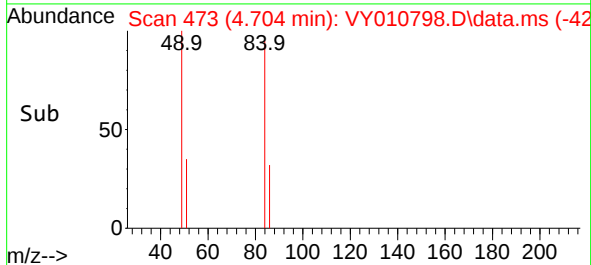
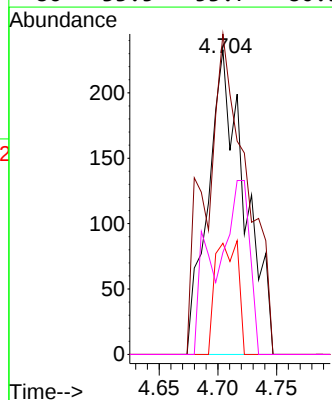
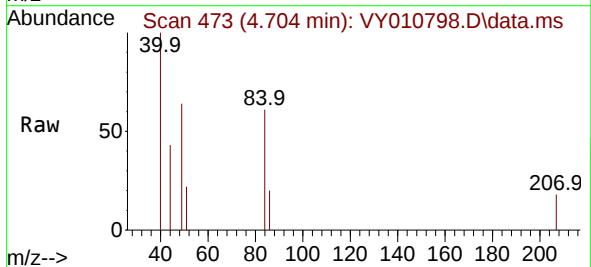
Instrument :
MSVOA_Y
ClientSampleId :

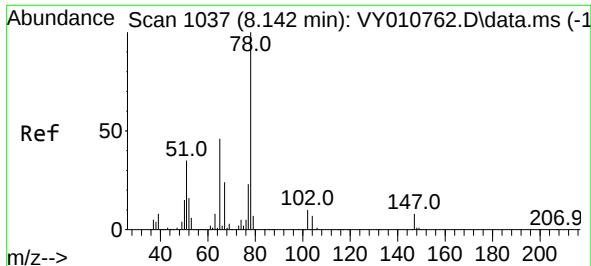
Tgt Ion: 43 Resp: 180
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: 4.030 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY010798.D
Acq: 04 Oct 2022 16:18

Tgt Ion: 84 Resp: 506
Ion Ratio Lower Upper
84 100
49 105.2 114.4 171.6#
51 36.5 35.3 52.9
86 33.5 53.7 80.5#





#33

1,2-Dichloroethane-d4

Concen: 56.358 ug/l

RT: 8.137 min Scan# 1103

Delta R.T. -0.005 min

Lab File: VY010798.D

Acq: 04 Oct 2022 16:18

Instrument :

MSVOA_Y

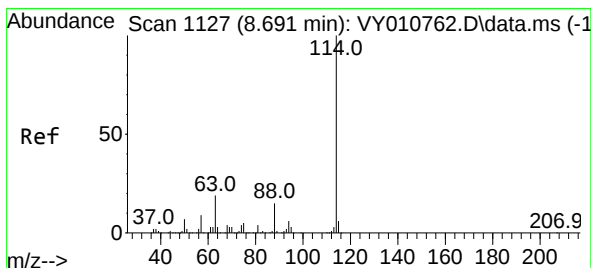
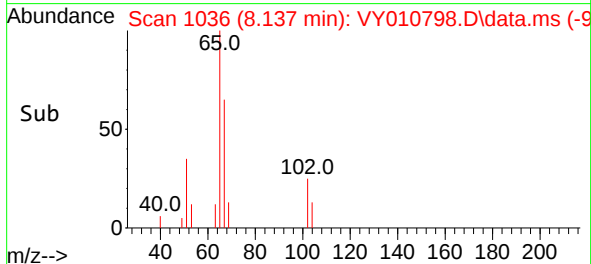
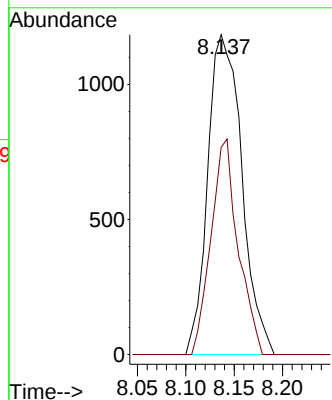
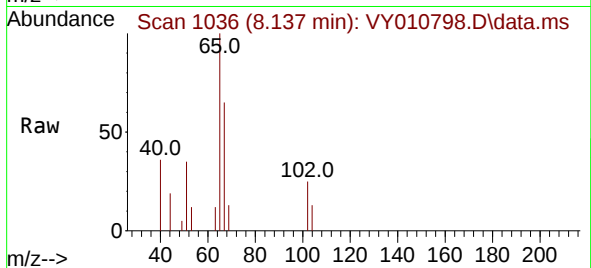
ClientSampleId :

Tgt Ion: 65 Resp: 2902

Ion Ratio Lower Upper

65 100

67 53.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY010798.D

Acq: 04 Oct 2022 16:18

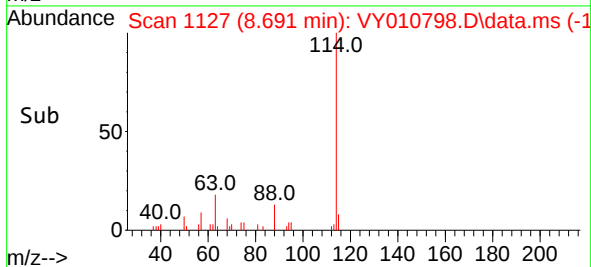
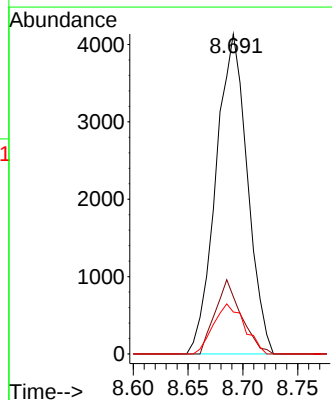
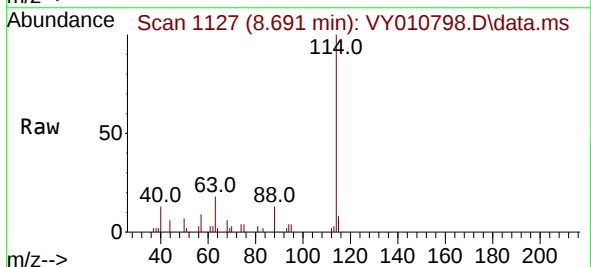
Tgt Ion: 114 Resp: 8249

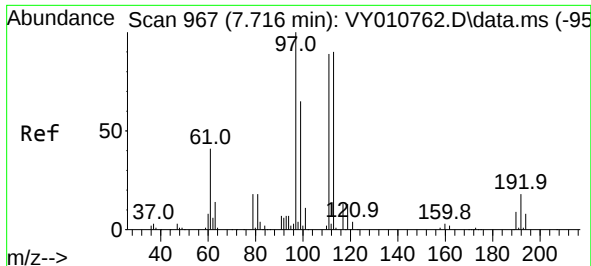
Ion Ratio Lower Upper

114 100

63 17.9 0.0 43.2

88 13.1 0.0 31.8

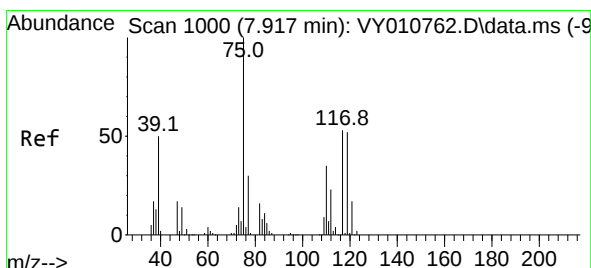
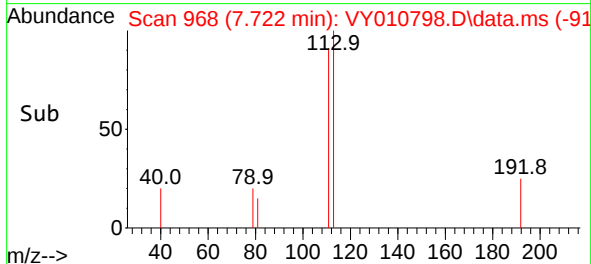
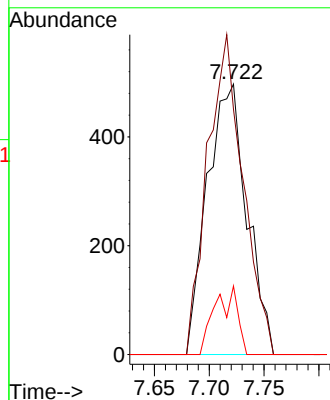
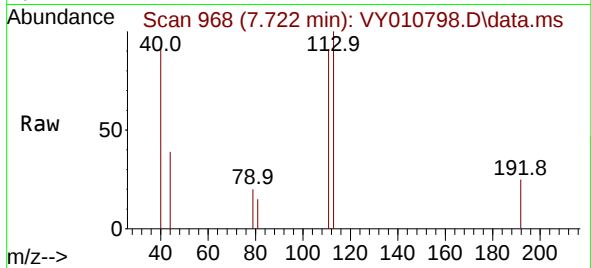




#35
Dibromofluoromethane
Concen: 22.791 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010798.D
Acq: 04 Oct 2022 16:18

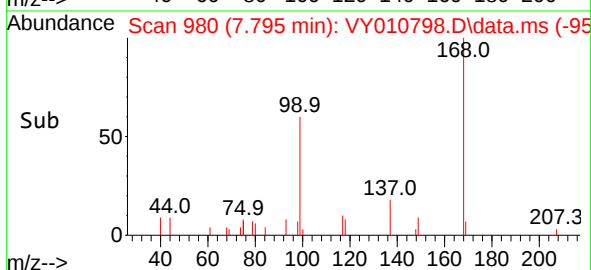
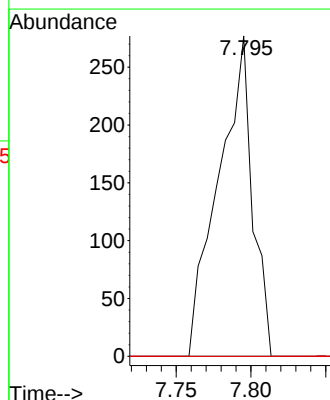
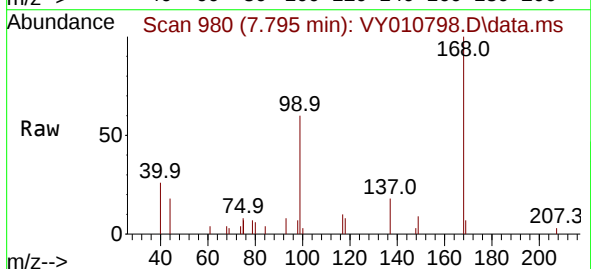
Instrument :
MSVOA_Y
ClientSampleId :

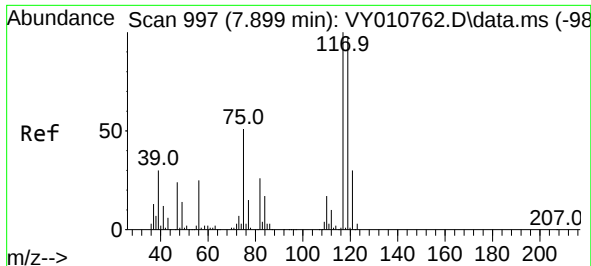
Tgt Ion:113 Resp: 1248
Ion Ratio Lower Upper
113 100
111 106.2 82.6 124.0
192 14.5 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 5.490 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY010798.D
Acq: 04 Oct 2022 16:18

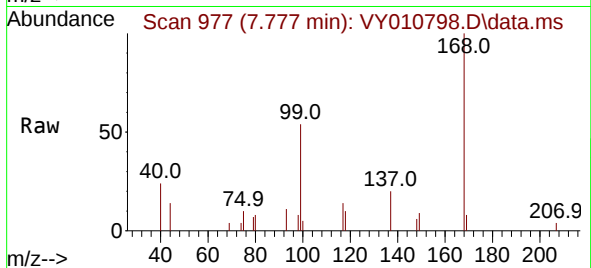
Tgt Ion: 75 Resp: 434
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#



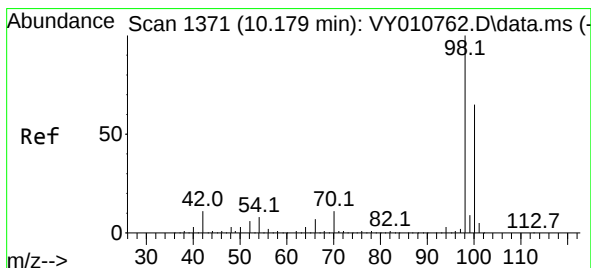
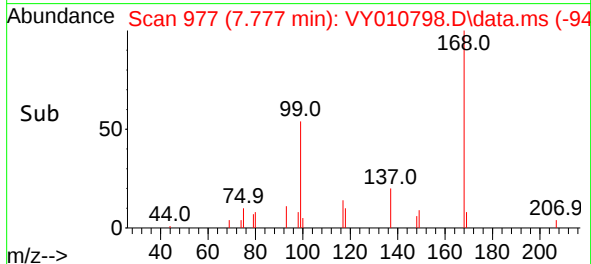
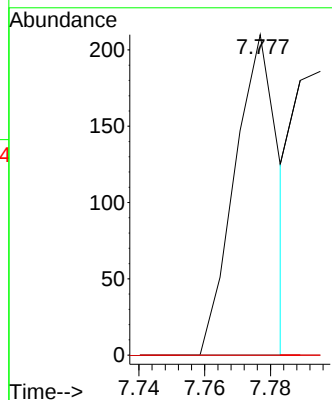


#38
Carbon Tetrachloride
Concen: 2.368 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY010798.D
Acq: 04 Oct 2022 16:18

Instrument :
MSVOA_Y
ClientSampleId :

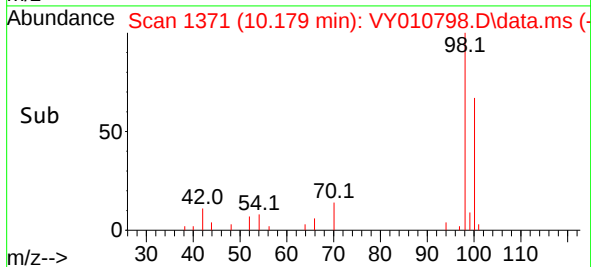
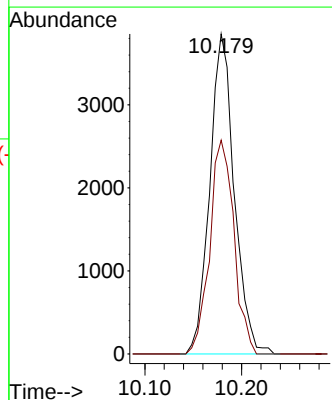
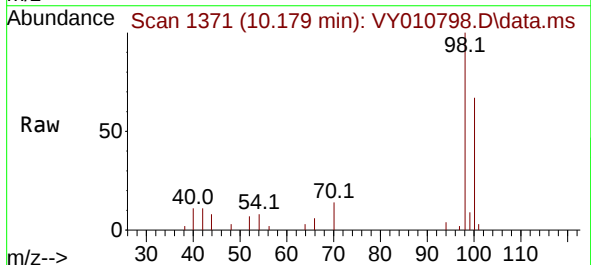


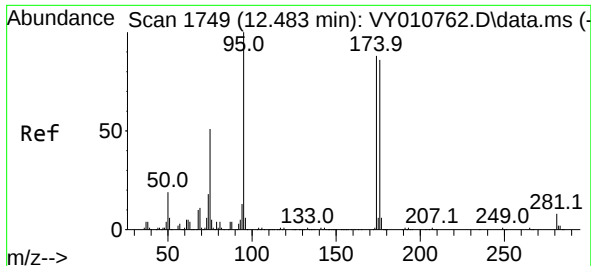
Tgt Ion:117 Resp: 195
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 36.216 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010798.D
Acq: 04 Oct 2022 16:18

Tgt Ion: 98 Resp: 6782
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 27.956 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010798.D

Acq: 04 Oct 2022 16:18

Instrument :

MSVOA_Y

ClientSampleId :

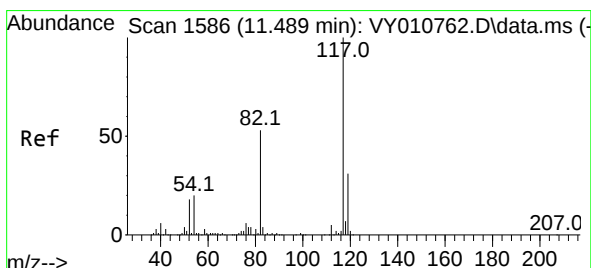
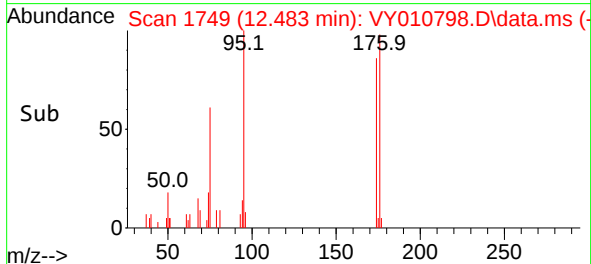
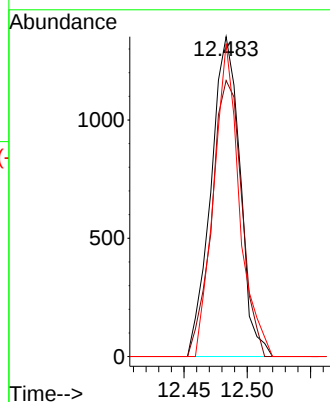
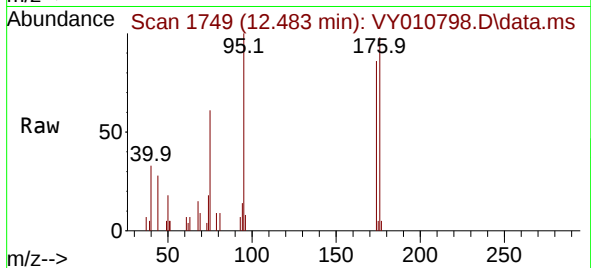
Tgt Ion: 95 Resp: 2164

Ion Ratio Lower Upper

95 100

174 88.7 0.0 177.0

176 85.9 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.001 min

Lab File: VY010798.D

Acq: 04 Oct 2022 16:18

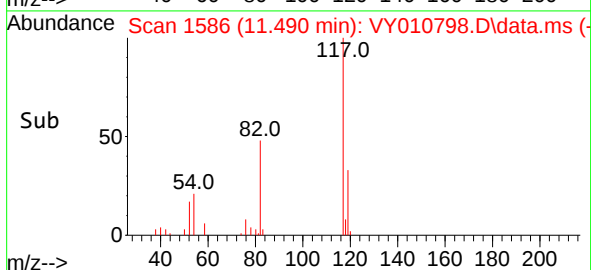
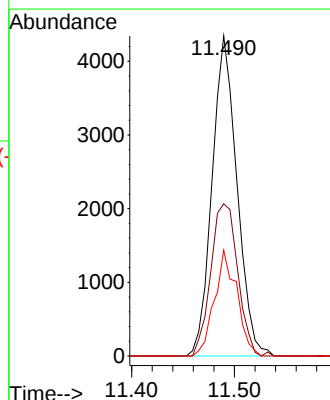
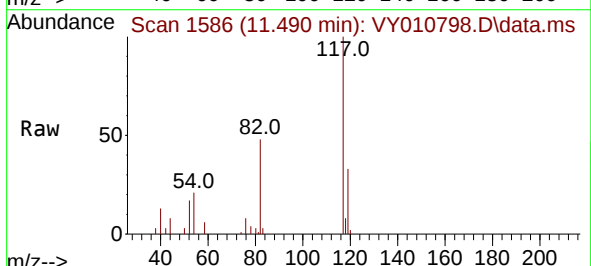
Tgt Ion: 117 Resp: 7296

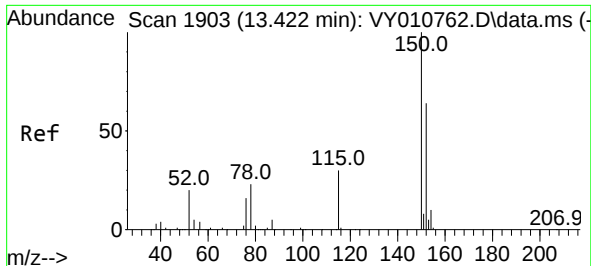
Ion Ratio Lower Upper

117 100

82 47.5 43.0 64.4

119 33.0 25.4 38.0

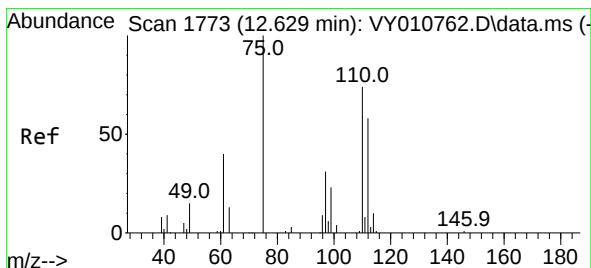
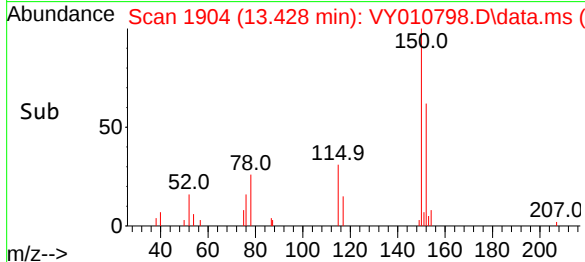
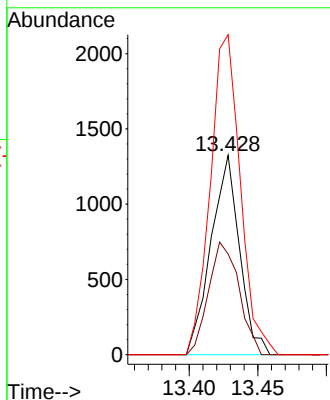
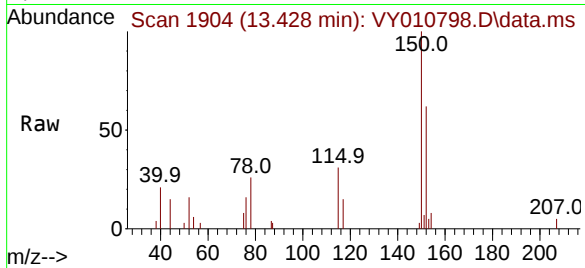




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY010798.D
 Acq: 04 Oct 2022 16:18

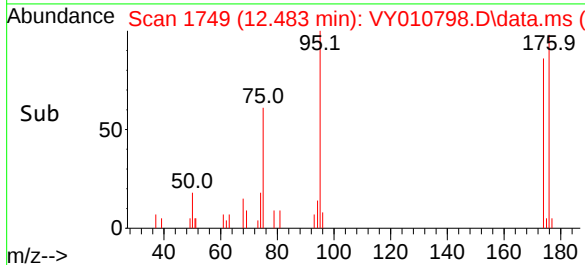
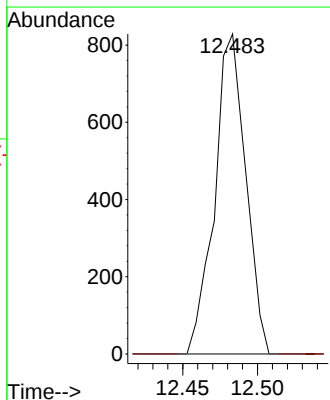
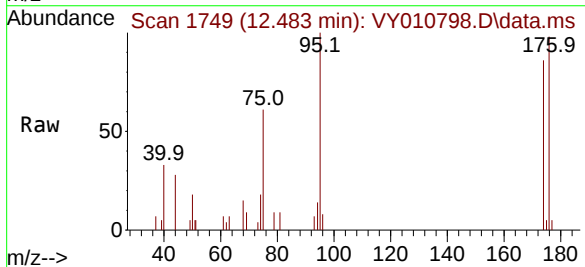
Instrument :
 MSVOA_Y
 ClientSampleId :

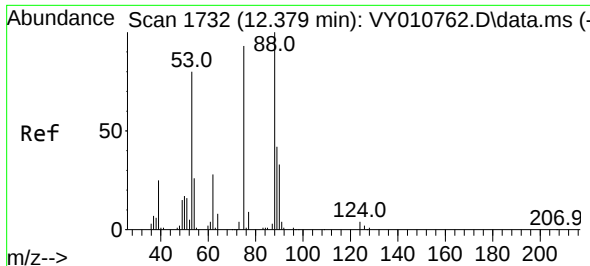
Tgt Ion:152 Resp: 1919
 Ion Ratio Lower Upper
 152 100
 115 60.1 28.2 84.7
 150 169.0 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 61.646 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY010798.D
 Acq: 04 Oct 2022 16:18

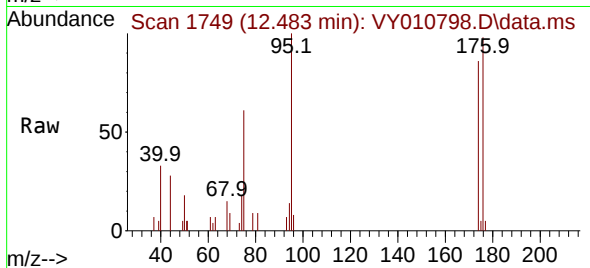
Tgt Ion: 75 Resp: 1198
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



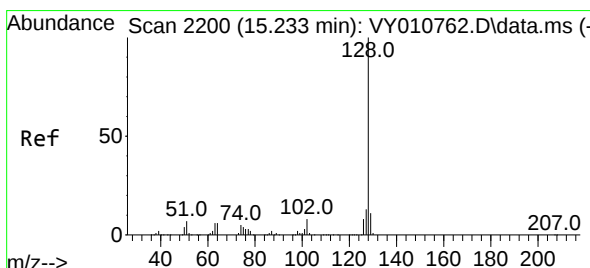
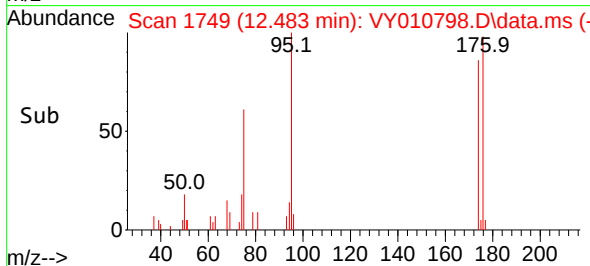
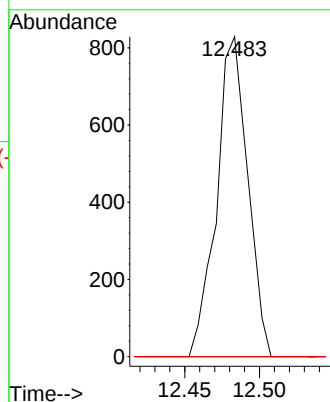


#81
trans-1,4-Dichloro-2-butene
Concen: 128.773 ug/l
RT: 12.483 min Scan# 1198
Delta R.T. 0.104 min
Lab File: VY010798.D
Acq: 04 Oct 2022 16:18

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 1198
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 17.446 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY010798.D
Acq: 04 Oct 2022 16:18

Tgt Ion: 128 Resp: 1117
Ion Ratio Lower Upper
128 100
127 10.2 11.0 16.4#
129 4.7 8.4 12.6#

