

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
 Data File : VY010891.D
 Acq On : 10 Oct 2022 15:33
 Operator : KP/MD
 Sample : N5046-04RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 11 09:44:52 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)

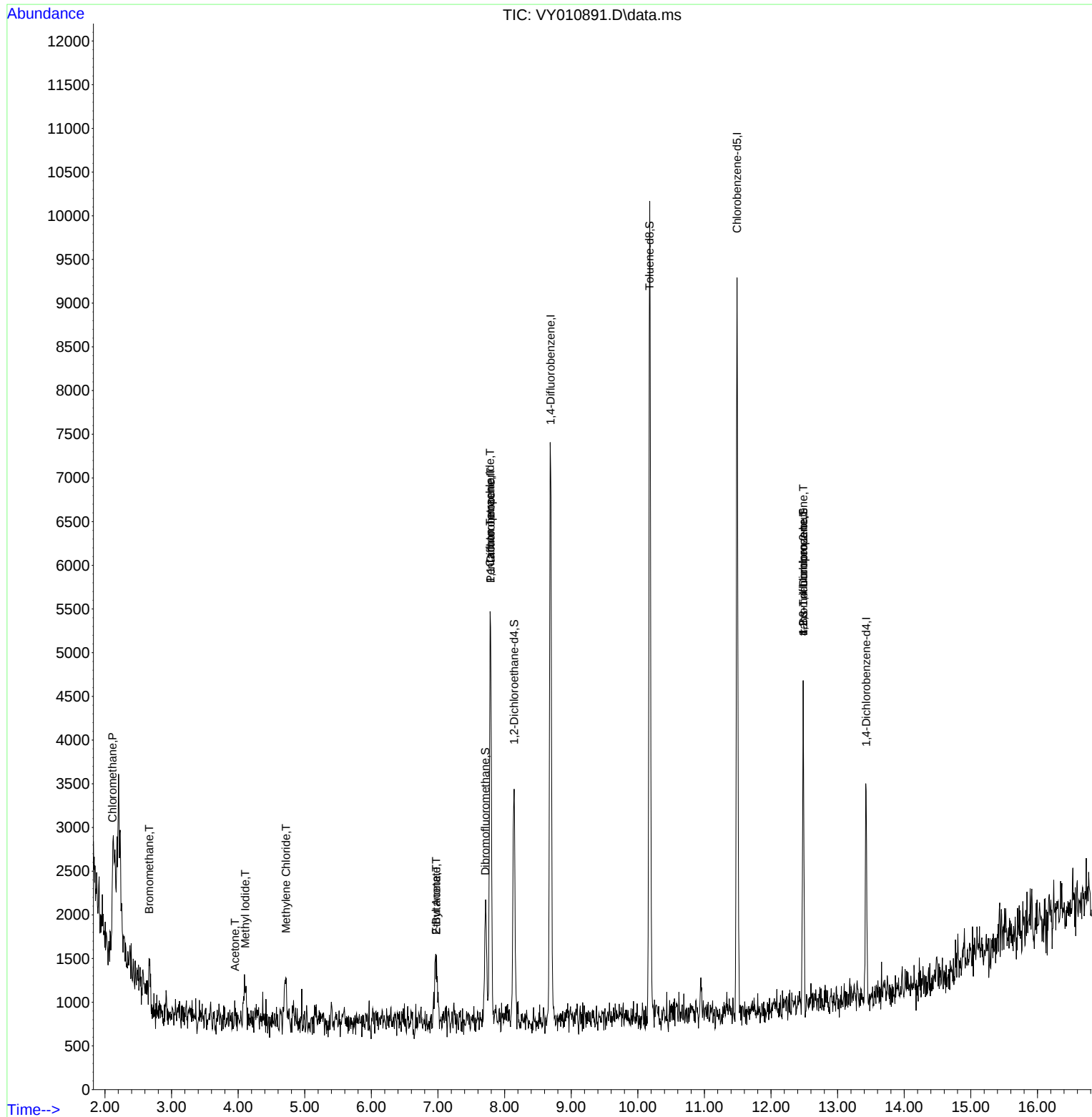
Internal Standards						
1) Pentafluorobenzene	7.789	168	4015	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	6629	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	5022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	2203	54.132	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.260%	
35) Dibromofluoromethane	7.710	113	1075	24.430	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 48.860%#	
50) Toluene-d8	10.179	98	6782	45.067	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 90.140%	
62) 4-Bromofluorobenzene	12.483	95	1117	16.536	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 33.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	165	3.566	ug/l #	47
5) Bromomethane	2.662	94	294	7.437	ug/l #	32
10) Methyl Iodide	4.107	142	861	16.559	ug/l #	72
16) Acetone	3.954	43	84	8.127	ug/l #	47
20) Methylene Chloride	4.716	84	409	4.254	ug/l #	70
25) 2-Butanone	6.972	43	45	3.028	ug/l #	54
36) 1,1-Dichloropropene	7.789	75	329	5.179	ug/l #	42
37) Ethyl Acetate	6.972	43	45	1.444	ug/l #	72
38) Carbon Tetrachloride	7.783	117	328	4.957	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	663	84.695	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	663	176.920	ug/l #	7

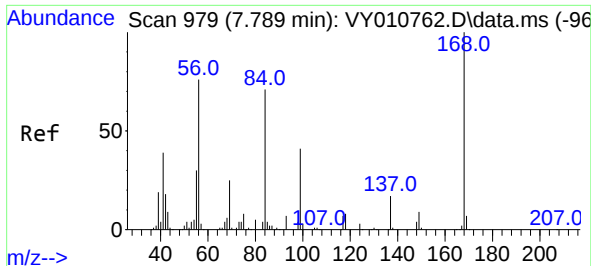
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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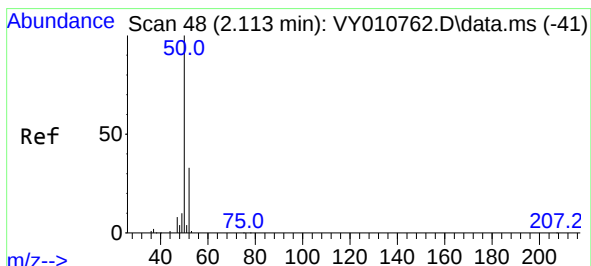
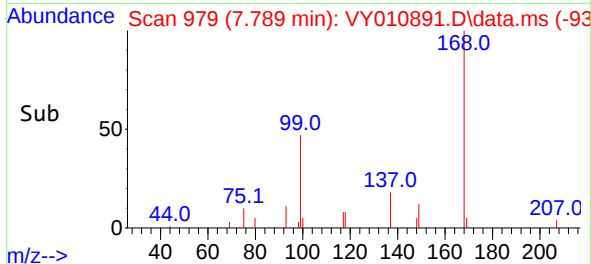
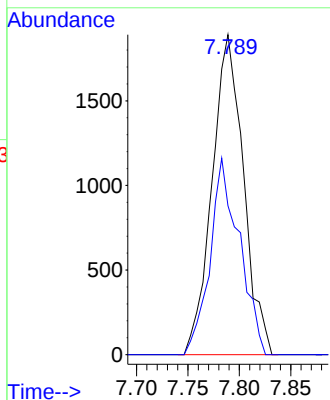
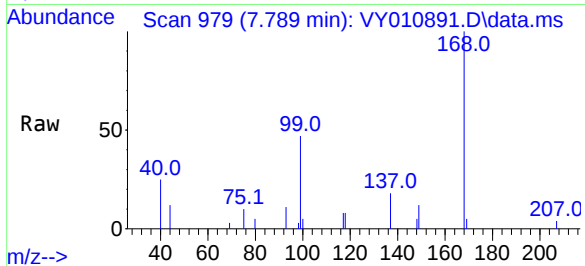




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010891.D
Acq: 10 Oct 2022 15:33

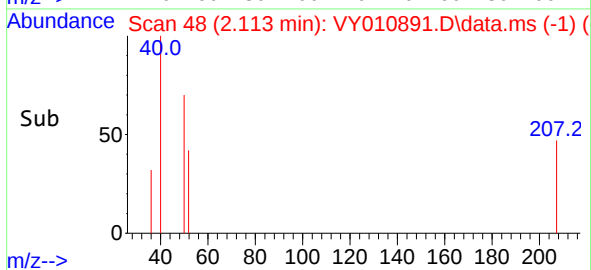
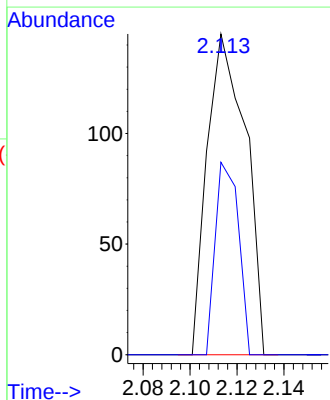
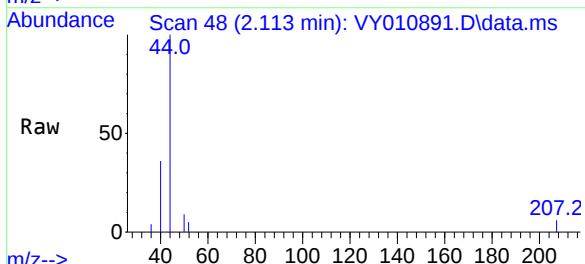
Instrument :
MSVOA_Y
ClientSampleId :

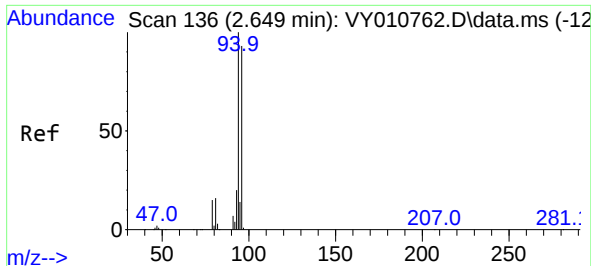
Tgt Ion:168 Resp: 4015
Ion Ratio Lower Upper
168 100
99 46.5 46.9 70.3#



#3
Chloromethane
Concen: 3.566 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY010891.D
Acq: 10 Oct 2022 15:33

Tgt Ion: 50 Resp: 165
Ion Ratio Lower Upper
50 100
52 60.0 24.6 37.0#

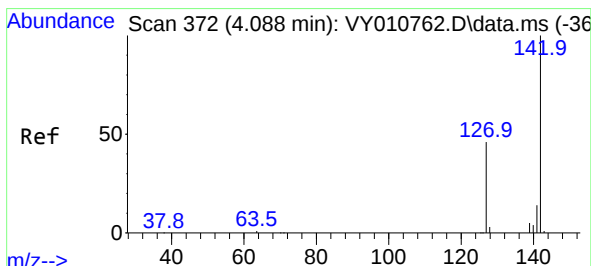
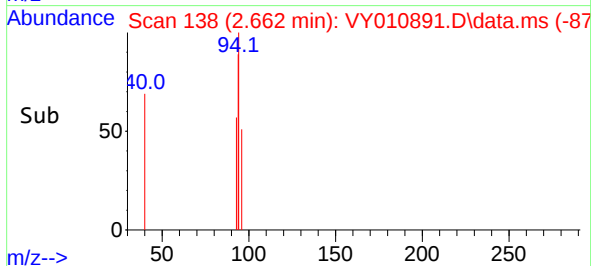
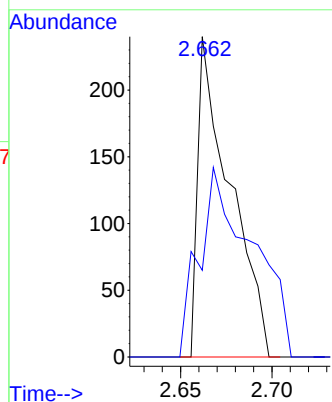
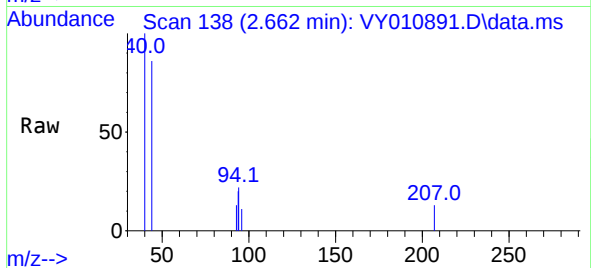




#5
Bromomethane
Concen: 7.437 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY010891.D
Acq: 10 Oct 2022 15:33

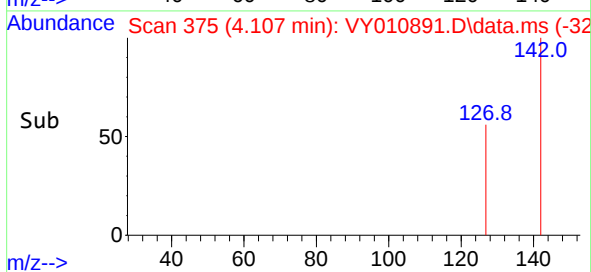
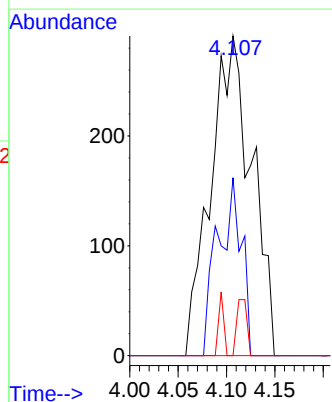
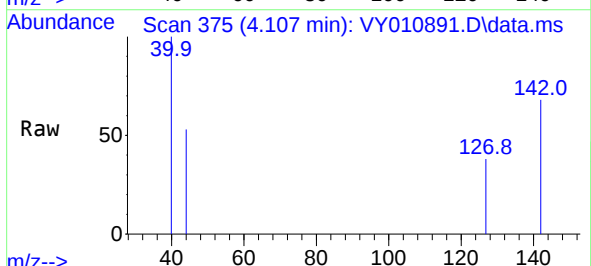
Instrument :
MSVOA_Y
ClientSampleId :

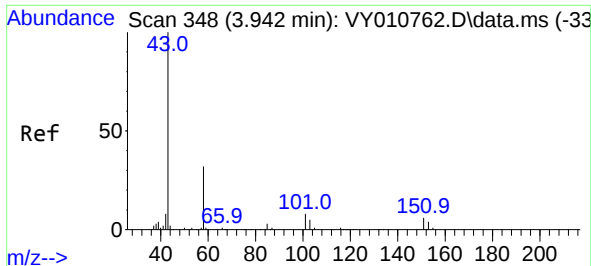
Tgt Ion: 94 Resp: 294
Ion Ratio Lower Upper
94 100
96 27.1 73.5 110.3#



#10
Methyl Iodide
Concen: 16.559 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY010891.D
Acq: 10 Oct 2022 15:33

Tgt Ion:142 Resp: 861
Ion Ratio Lower Upper
142 100
127 32.2 41.5 62.3#
141 4.3 11.9 17.9#

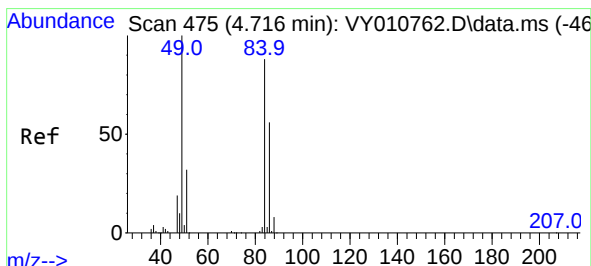
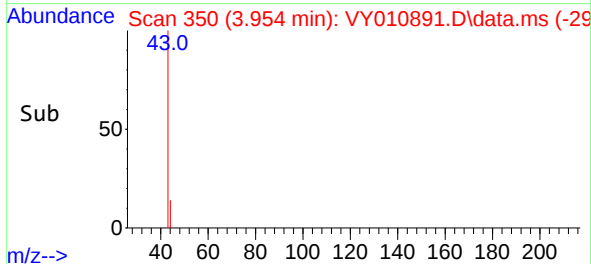
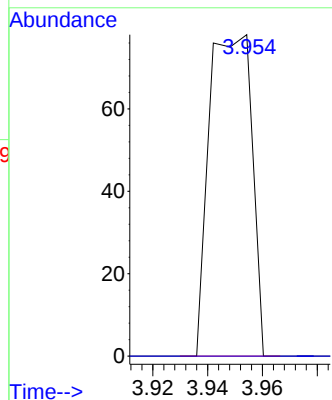
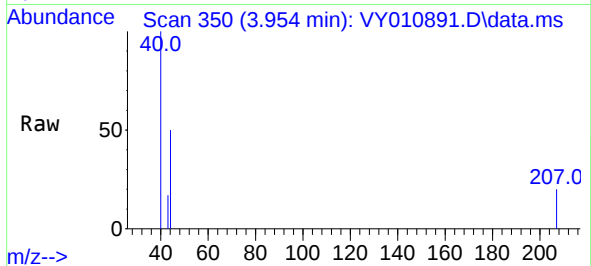




#16
Acetone
Concen: 8.127 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY010891.D
Acq: 10 Oct 2022 15:33

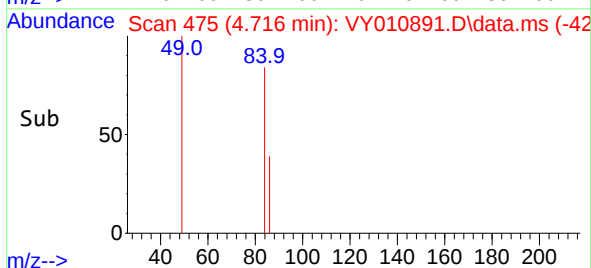
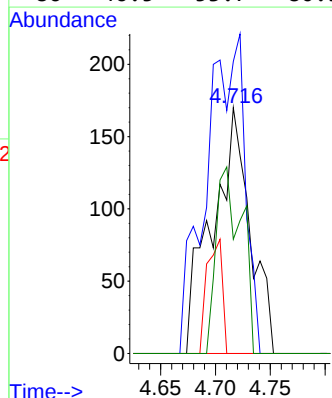
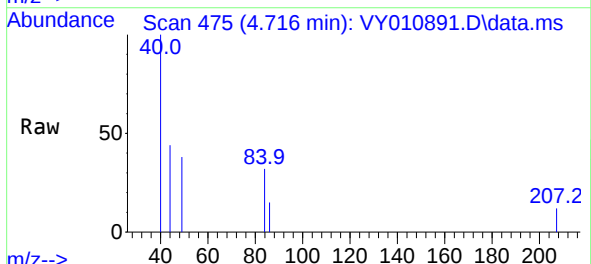
Instrument :
MSVOA_Y
ClientSampleId :

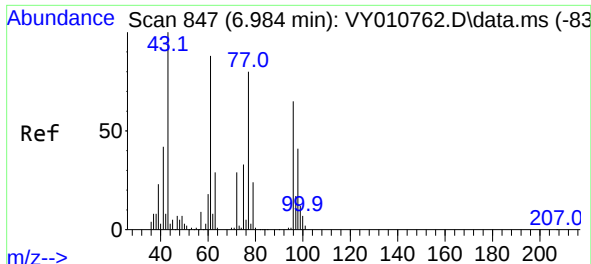
Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: 4.254 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY010891.D
Acq: 10 Oct 2022 15:33

Tgt Ion: 84 Resp: 409
Ion Ratio Lower Upper
84 100
49 118.8 114.4 171.6
51 0.0 35.3 52.9#
86 46.5 53.7 80.5#





#25

2-Butanone

Concen: 3.028 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

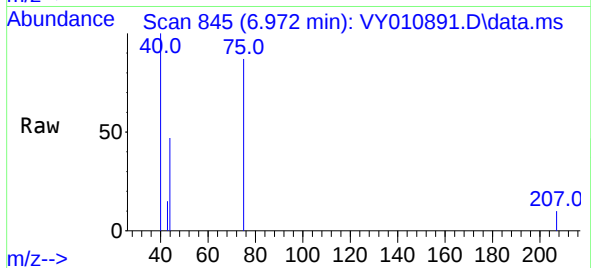
Lab File: VY010891.D

Acq: 10 Oct 2022 15:33

Instrument :

MSVOA_Y

ClientSampleId :

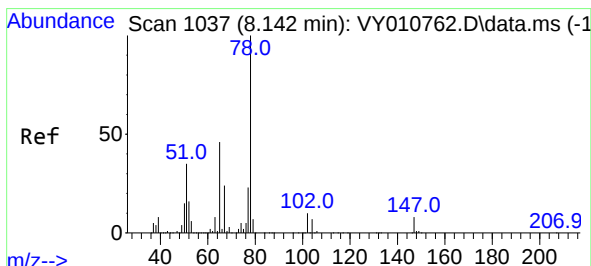
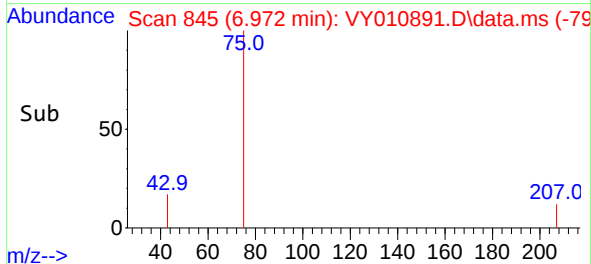
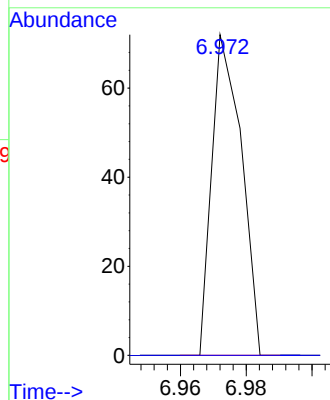


Tgt Ion: 43 Resp: 45

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#33

1,2-Dichloroethane-d4

Concen: 54.132 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY010891.D

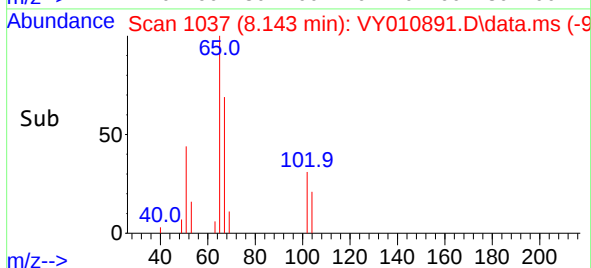
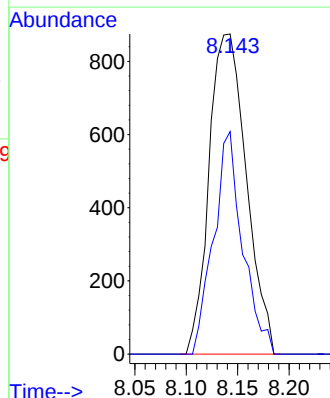
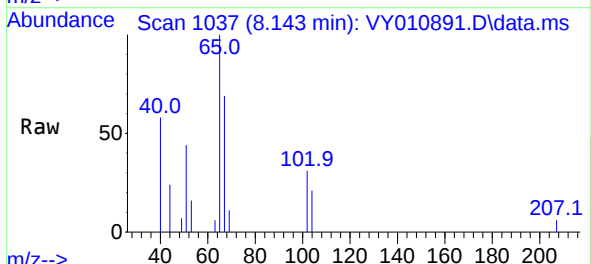
Acq: 10 Oct 2022 15:33

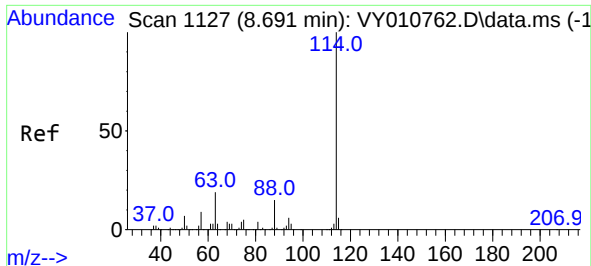
Tgt Ion: 65 Resp: 2203

Ion Ratio Lower Upper

65 100

67 54.2 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: VY010891.D

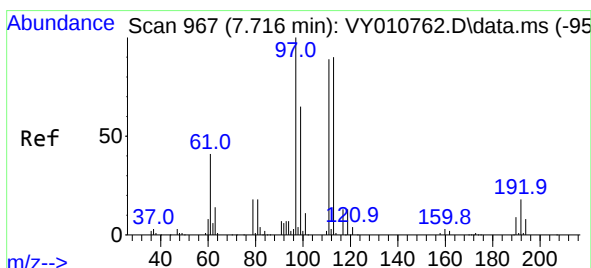
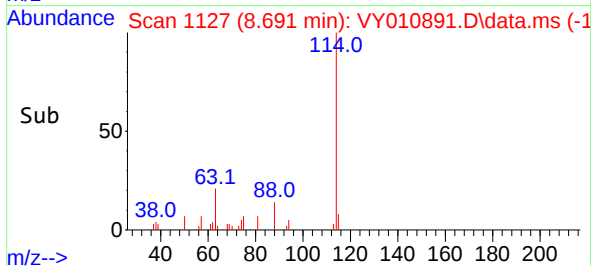
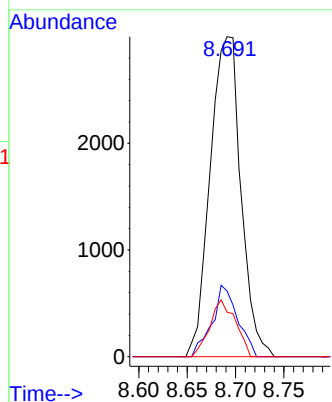
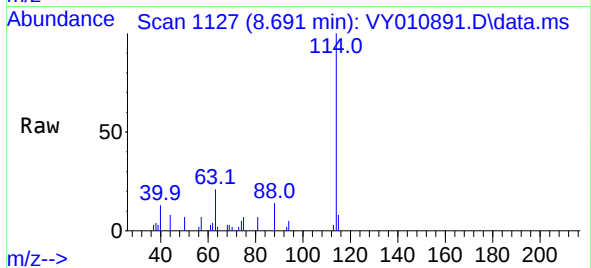
Acq: 10 Oct 2022 15:33

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	6629
Ion	Ratio	Lower Upper
114	100	
63	20.5	0.0 43.2
88	13.9	0.0 31.8



#35

Dibromofluoromethane

Concen: 24.430 ug/l

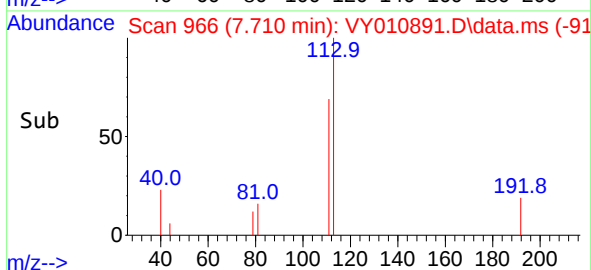
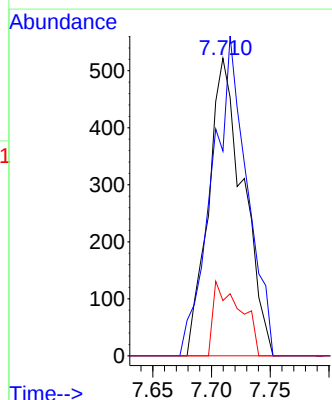
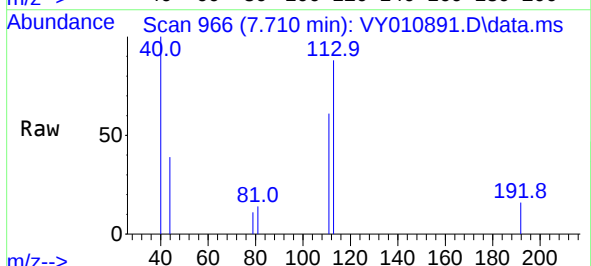
RT: 7.710 min Scan# 966

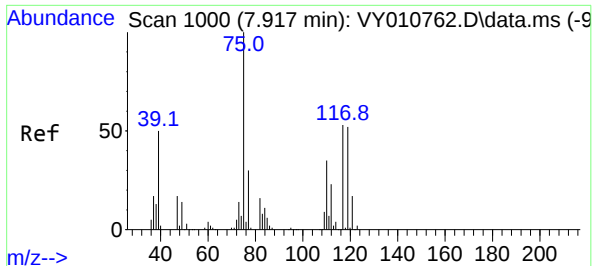
Delta R.T. -0.006 min

Lab File: VY010891.D

Acq: 10 Oct 2022 15:33

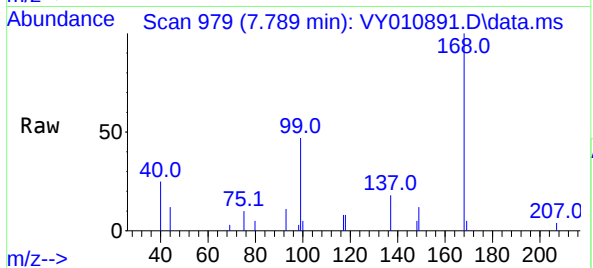
Tgt Ion:113	Resp:	1075
Ion	Ratio	Lower Upper
113	100	
111	108.1	82.6 124.0
192	19.4	17.6 26.4



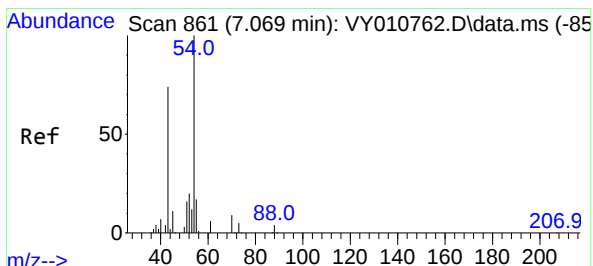
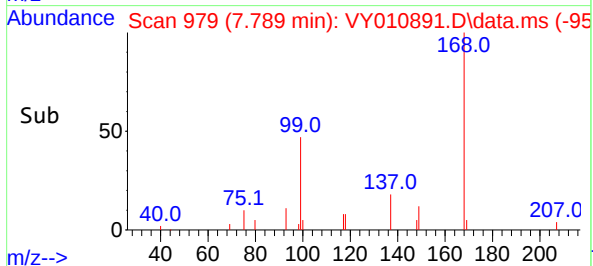
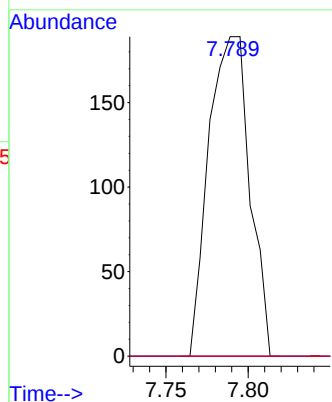


#36
1,1-Dichloropropene
Concen: 5.179 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010891.D
Acq: 10 Oct 2022 15:33

Instrument :
MSVOA_Y
ClientSampleId :

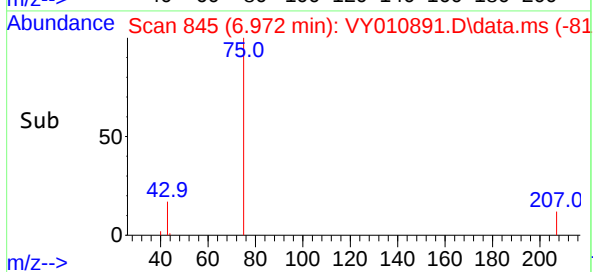
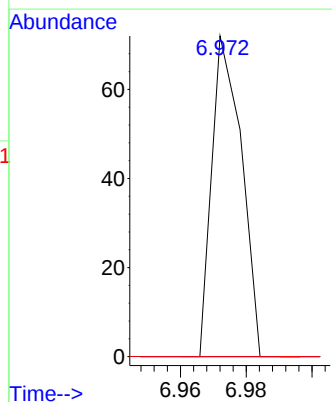
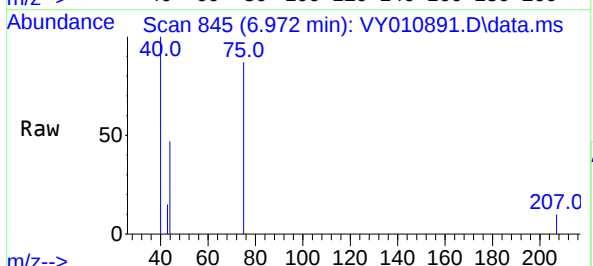


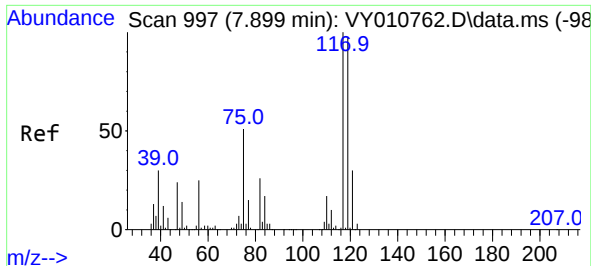
Tgt Ion: 75 Resp: 329
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.444 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.097 min
Lab File: VY010891.D
Acq: 10 Oct 2022 15:33

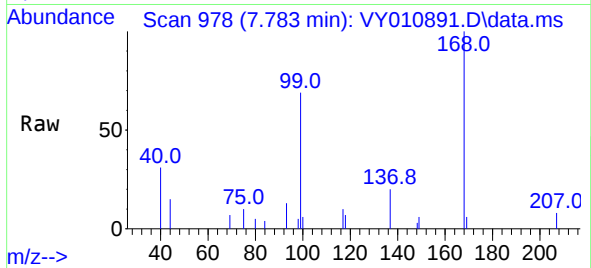
Tgt Ion: 43 Resp: 45
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#



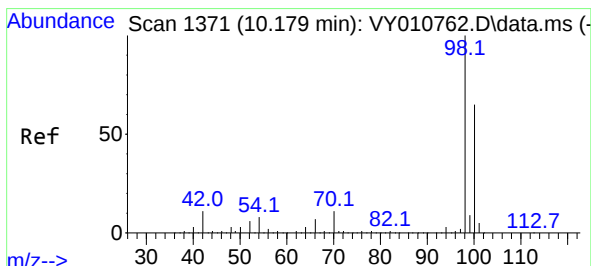
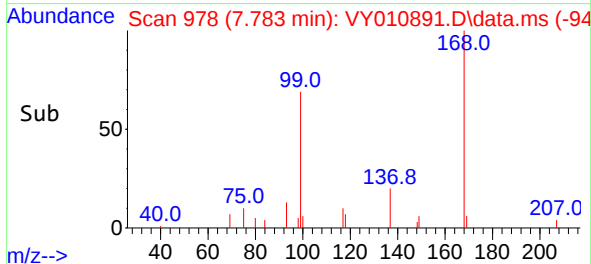
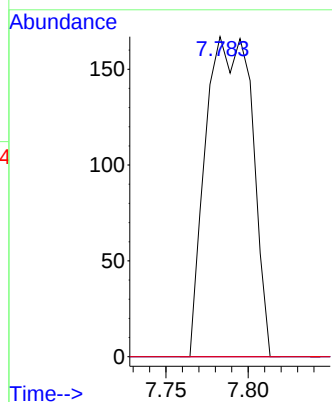


#38
Carbon Tetrachloride
Concen: 4.957 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010891.D
Acq: 10 Oct 2022 15:33

Instrument :
MSVOA_Y
ClientSampleId :

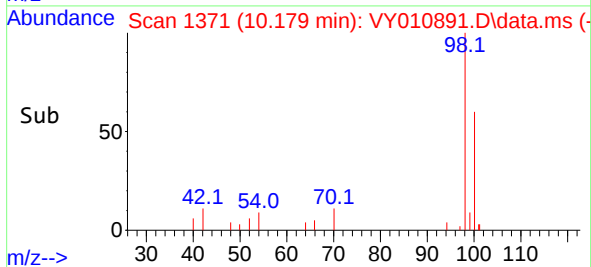
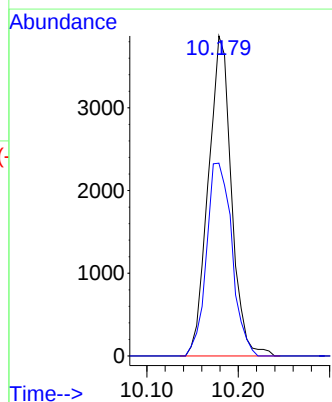
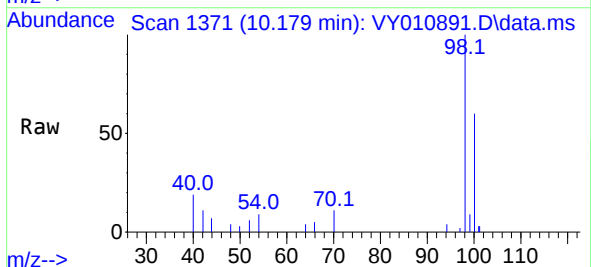


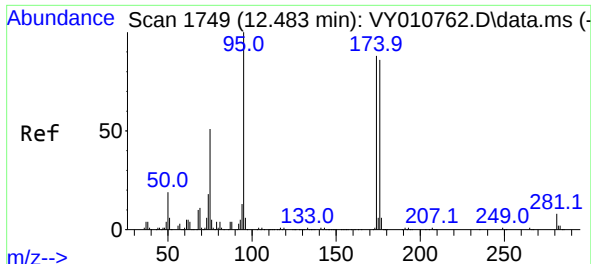
Tgt Ion:117 Resp: 328
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 45.067 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010891.D
Acq: 10 Oct 2022 15:33

Tgt Ion: 98 Resp: 6782
Ion Ratio Lower Upper
98 100
100 66.2 50.2 75.2

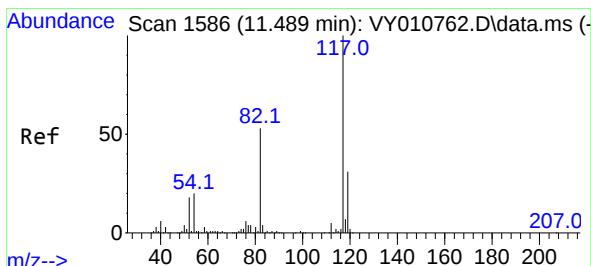
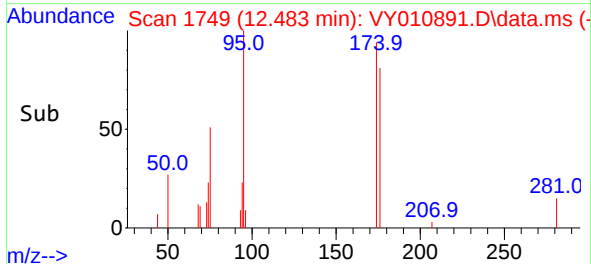
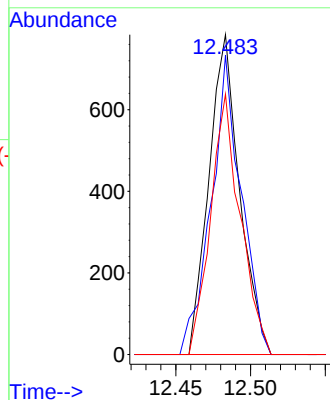
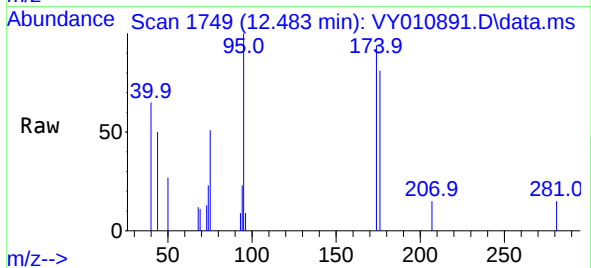




#62
4-Bromofluorobenzene
Concen: 16.536 ug/l
RT: 12.483 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VY010891.D
Acq: 10 Oct 2022 15:33

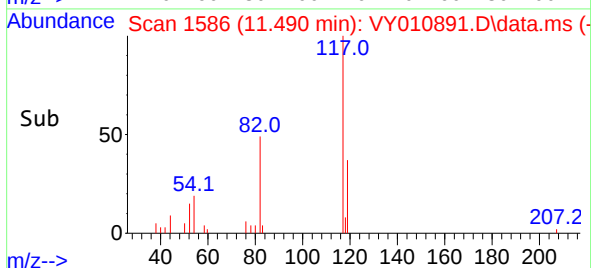
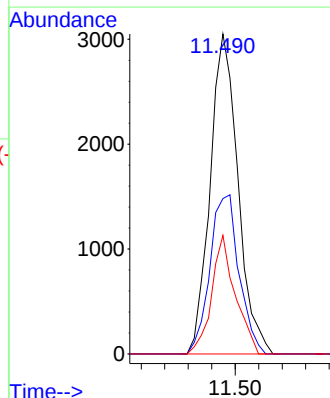
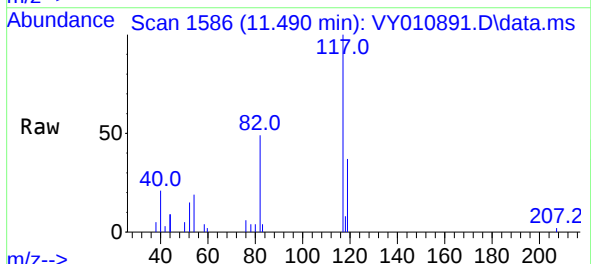
Instrument :
MSVOA_Y
ClientSampleId :

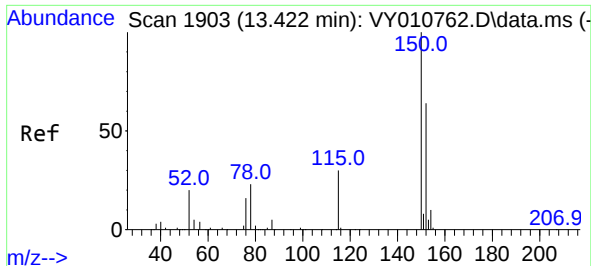
Tgt Ion: 95 Resp: 1117
Ion Ratio Lower Upper
95 100
174 92.4 0.0 177.0
176 79.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010891.D
Acq: 10 Oct 2022 15:33

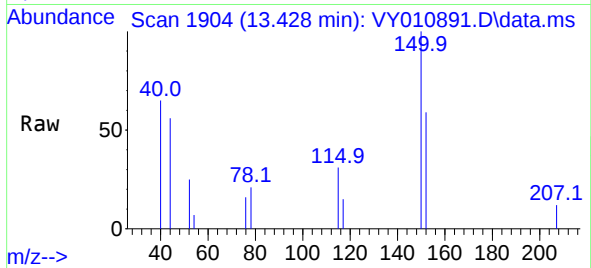
Tgt Ion: 117 Resp: 5022
Ion Ratio Lower Upper
117 100
82 48.5 43.0 64.4
119 37.0 25.4 38.0



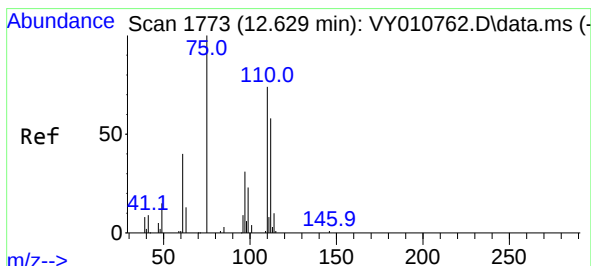
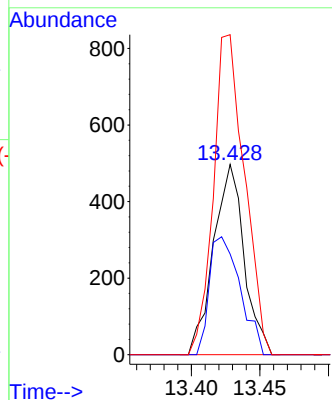
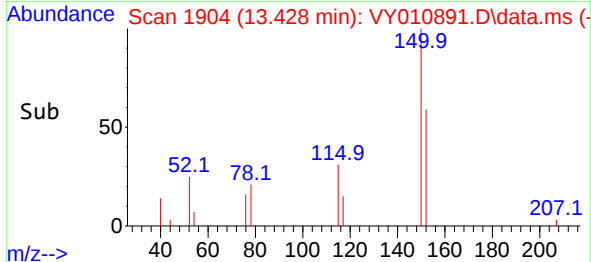


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY010891.D
Acq: 10 Oct 2022 15:33

Instrument :
MSVOA_Y
ClientSampleId :

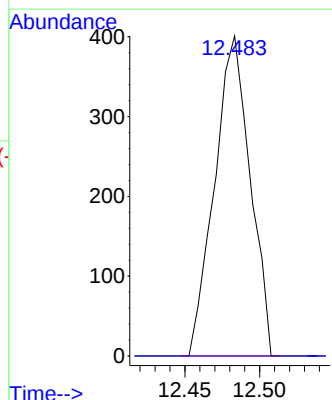
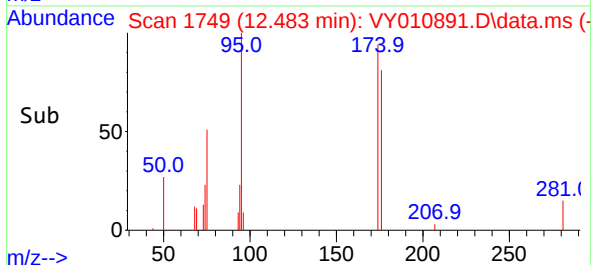
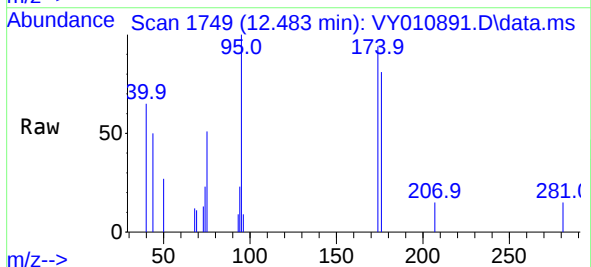


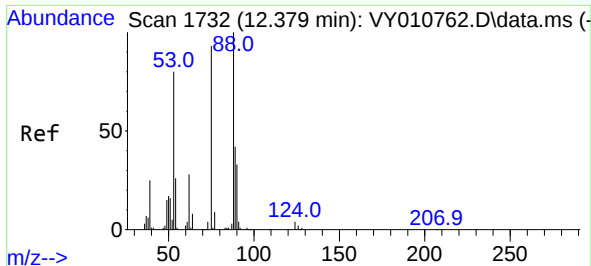
Tgt Ion:152 Resp: 773
Ion Ratio Lower Upper
152 100
115 62.4 28.2 84.7
150 171.3 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 84.695 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY010891.D
Acq: 10 Oct 2022 15:33

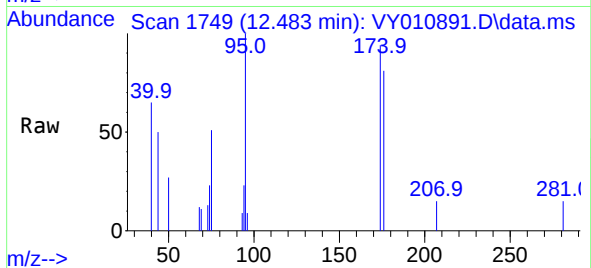
Tgt Ion: 75 Resp: 663
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 176.920 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY010891.D
 Acq: 10 Oct 2022 15:33

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 663

Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.3	127.9#
89	0.0	37.0	55.4#

