

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
 Data File : VY010890.D
 Acq On : 10 Oct 2022 15:11
 Operator : KP/MD
 Sample : N5046-03RE
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 11 09:44:44 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)

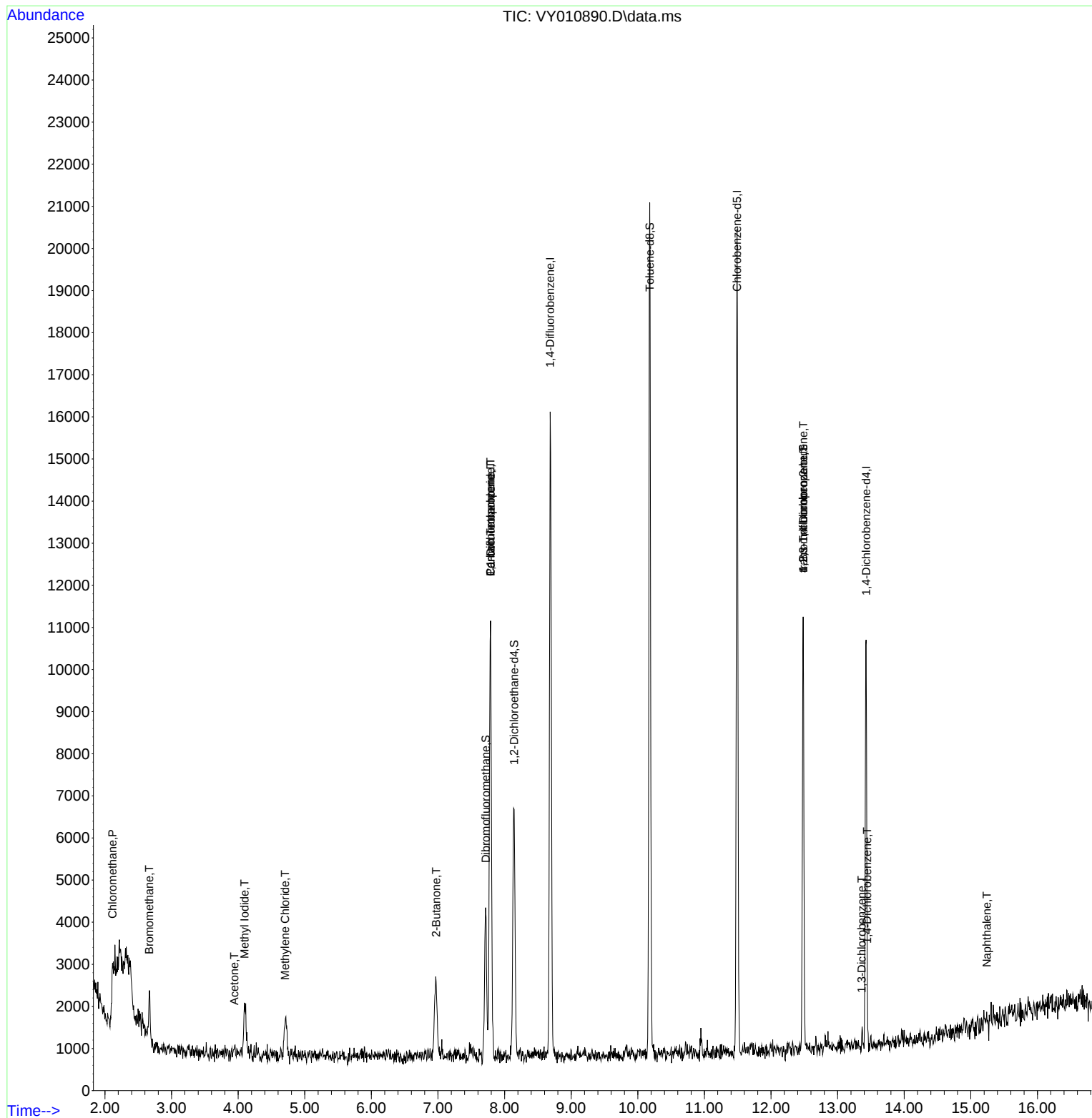
Internal Standards						
1) Pentafluorobenzene	7.789	168	8771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	14106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	11439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	4872	54.800	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.600%	
35) Dibromofluoromethane	7.716	113	2713	28.974	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 57.940%	
50) Toluene-d8	10.179	98	14348	44.806	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 89.620%	
62) 4-Bromofluorobenzene	12.483	95	3507	26.287	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 52.580%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	467	4.621	ug/l #	84
5) Bromomethane	2.662	94	678	7.851	ug/l #	68
10) Methyl Iodide	4.095	142	1870	16.463	ug/l #	89
16) Acetone	3.942	43	280	12.401	ug/l #	47
20) Methylene Chloride	4.704	84	718	2.274	ug/l #	71
25) 2-Butanone	6.972	43	47	1.448	ug/l #	54
36) 1,1-Dichloropropene	7.789	75	669	4.949	ug/l #	42
38) Carbon Tetrachloride	7.789	117	822	5.838	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	1710	60.306	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1710	125.974	ug/l #	7
87) 1,3-Dichlorobenzene	13.361	146	144	1.502	ug/l #	25
88) 1,4-Dichlorobenzene	13.447	146	116	1.222	ug/l #	34
95) Naphthalene	15.239	128	182	1.948	ug/l #	69

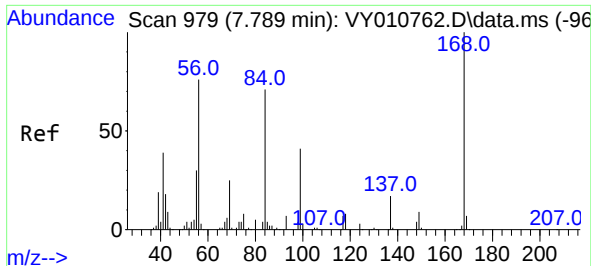
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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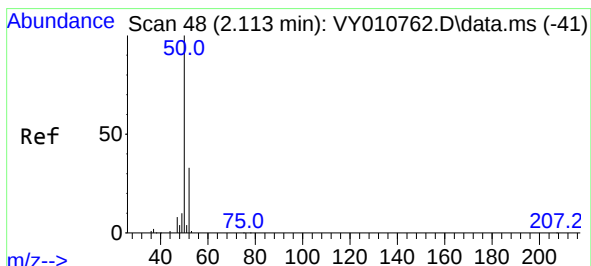
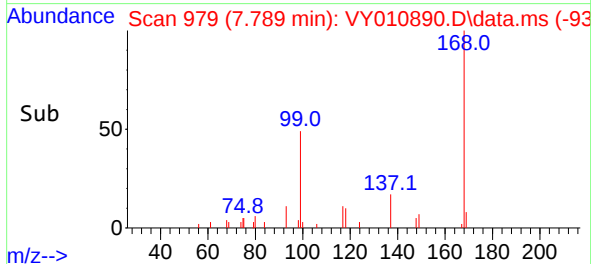
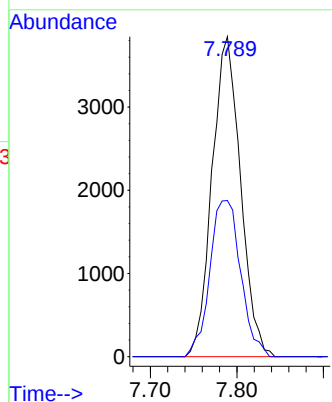
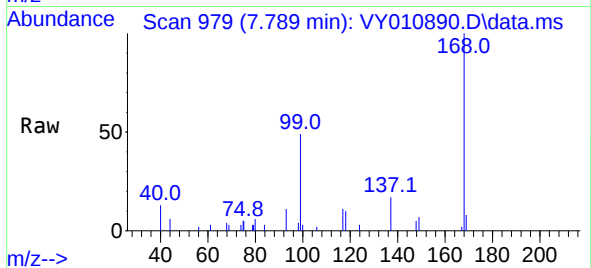




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010890.D
Acq: 10 Oct 2022 15:11

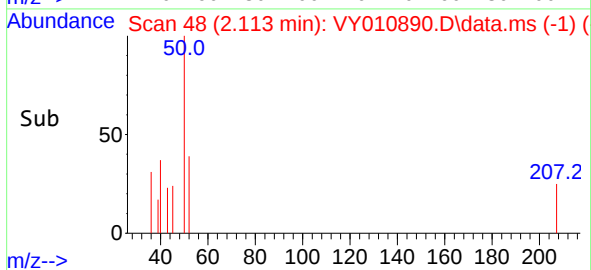
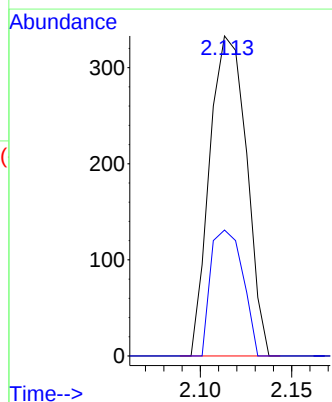
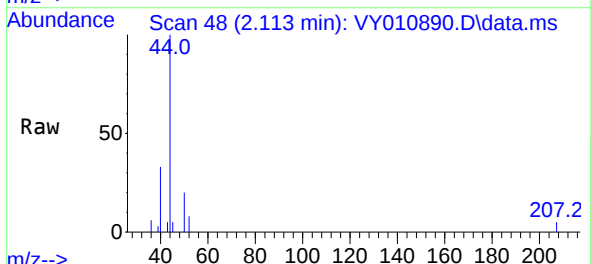
Instrument :
MSVOA_Y
ClientSampleId :

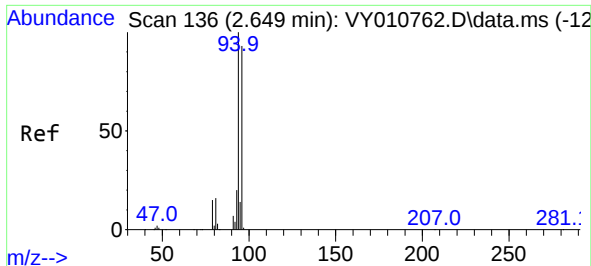
Tgt Ion:168 Resp: 8771
Ion Ratio Lower Upper
168 100
99 48.8 46.9 70.3



#3
Chloromethane
Concen: 4.621 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY010890.D
Acq: 10 Oct 2022 15:11

Tgt Ion: 50 Resp: 467
Ion Ratio Lower Upper
50 100
52 39.3 24.6 37.0#

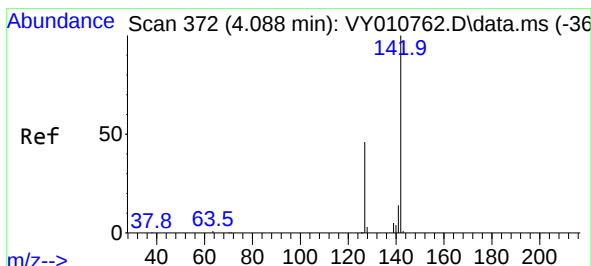
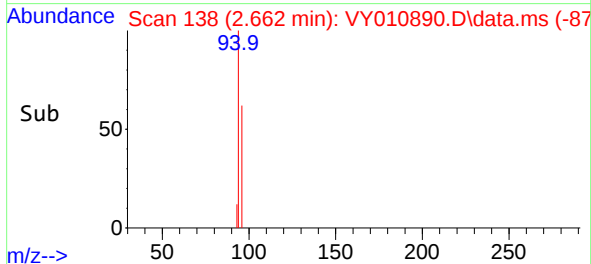
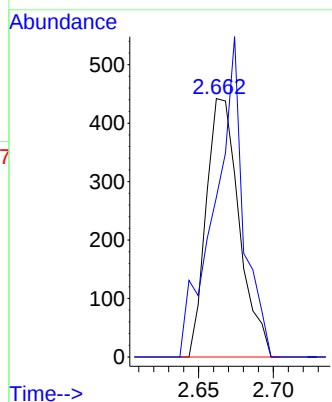
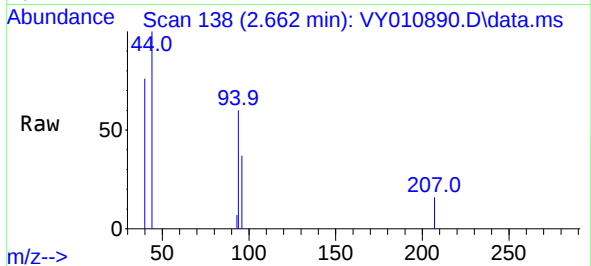




#5
Bromomethane
Concen: 7.851 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY010890.D
Acq: 10 Oct 2022 15:11

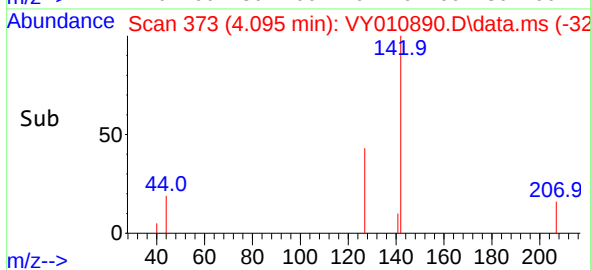
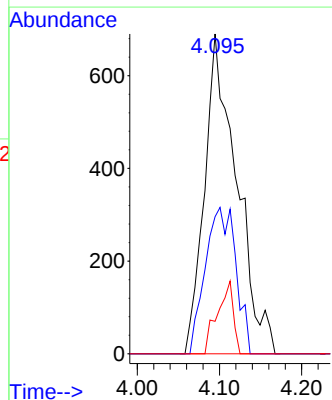
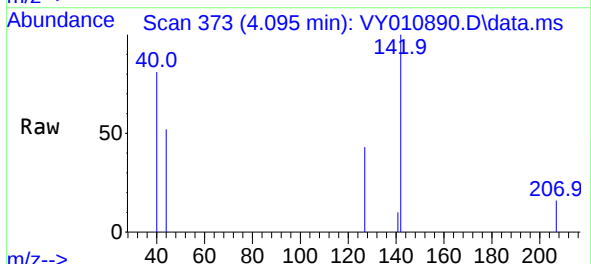
Instrument :
MSVOA_Y
ClientSampleId :

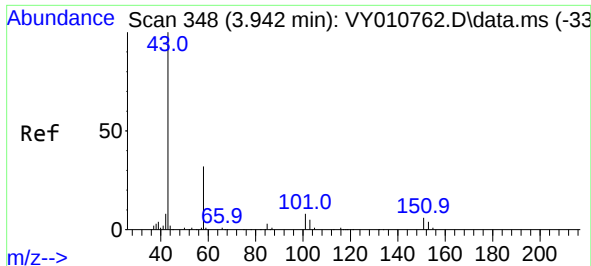
Tgt Ion: 94 Resp: 678
Ion Ratio Lower Upper
94 100
96 61.8 73.5 110.3#



#10
Methyl Iodide
Concen: 16.463 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.007 min
Lab File: VY010890.D
Acq: 10 Oct 2022 15:11

Tgt Ion:142 Resp: 1870
Ion Ratio Lower Upper
142 100
127 43.6 41.5 62.3
141 11.3 11.9 17.9#

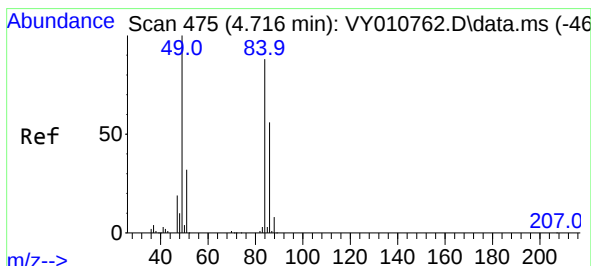
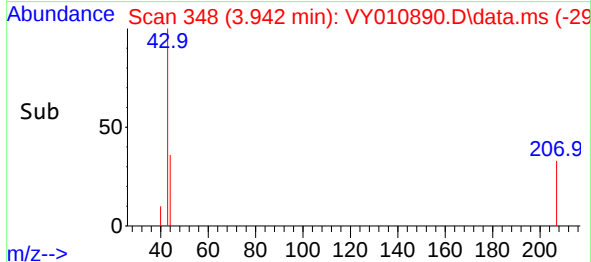
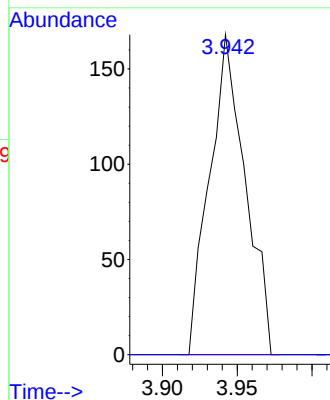
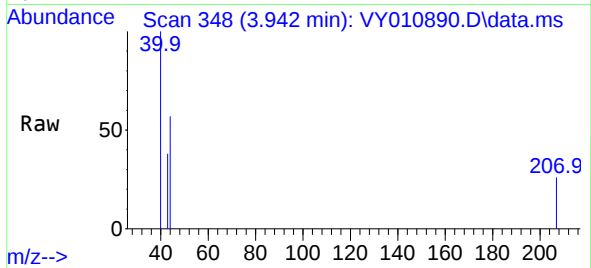




#16
Acetone
Concen: 12.401 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010890.D
Acq: 10 Oct 2022 15:11

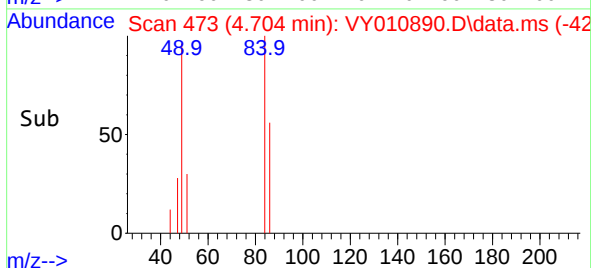
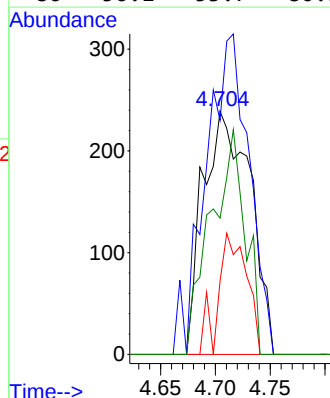
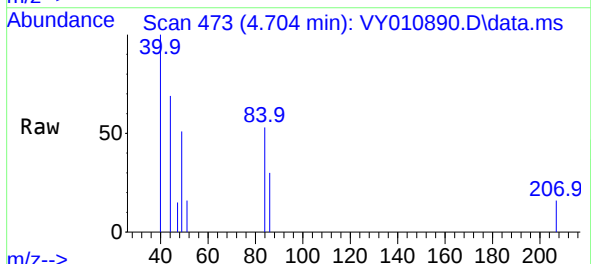
Instrument :
MSVOA_Y
ClientSampleId :

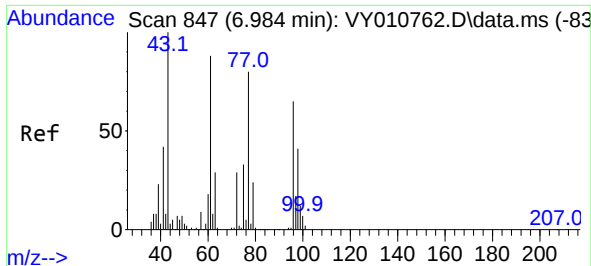
Tgt Ion: 43 Resp: 280
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: 2.274 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY010890.D
Acq: 10 Oct 2022 15:11

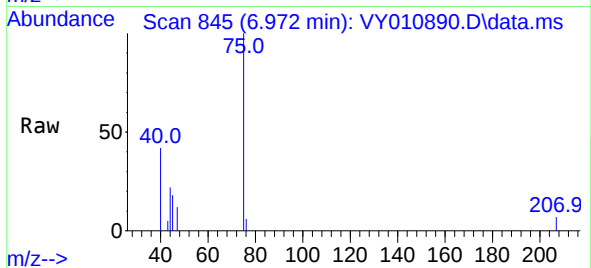
Tgt Ion: 84 Resp: 718
Ion Ratio Lower Upper
84 100
49 96.2 114.4 171.6#
51 30.1 35.3 52.9#
86 56.1 53.7 80.5



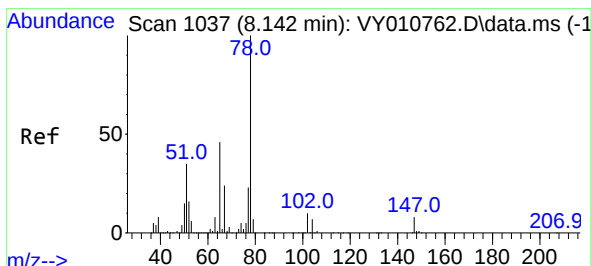
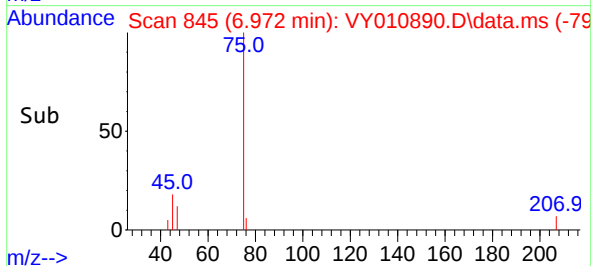
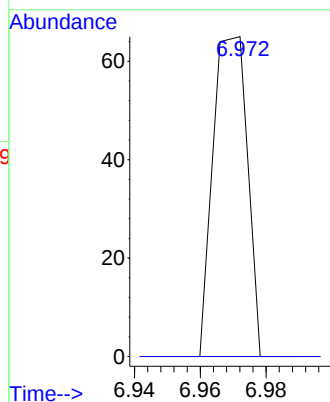


#25
2-Butanone
Concen: 1.448 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY010890.D
Acq: 10 Oct 2022 15:11

Instrument :
MSVOA_Y
ClientSampleId :

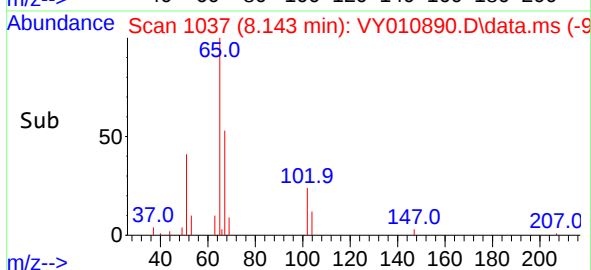
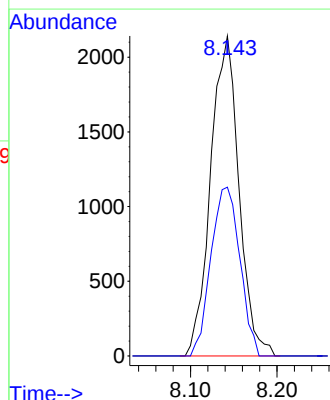
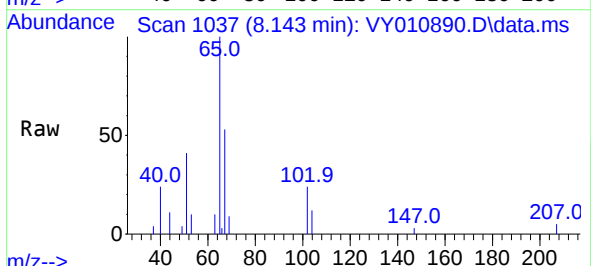


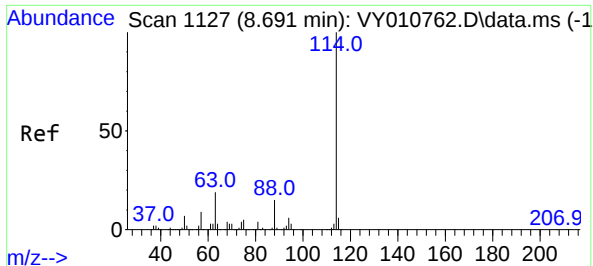
Tgt Ion: 43 Resp: 47
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#33
1,2-Dichloroethane-d4
Concen: 54.800 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY010890.D
Acq: 10 Oct 2022 15:11

Tgt Ion: 65 Resp: 4872
Ion Ratio Lower Upper
65 100
67 53.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY010890.D

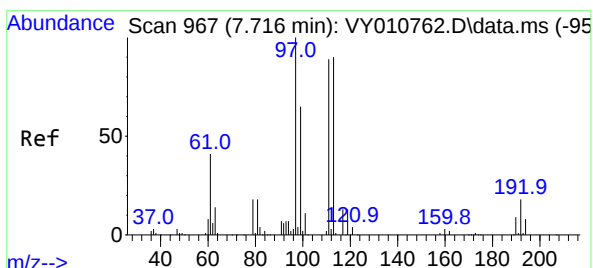
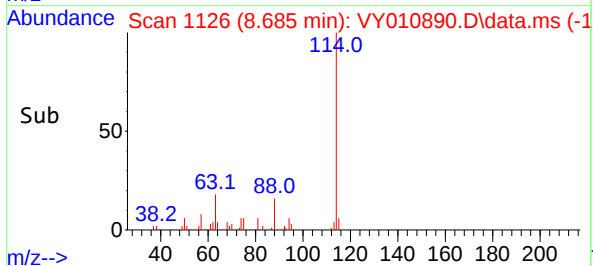
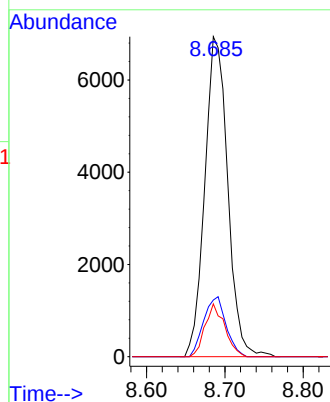
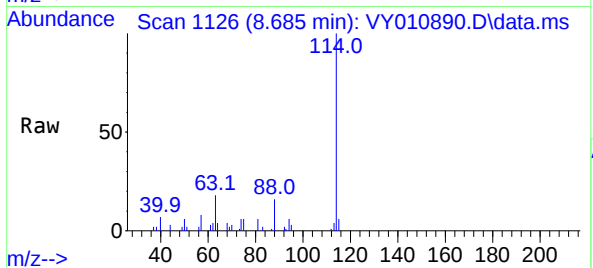
Acq: 10 Oct 2022 15:11

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	14106
Ion	Ratio	Lower Upper
114	100	
63	17.7	0.0 43.2
88	16.5	0.0 31.8



#35

Dibromofluoromethane

Concen: 28.974 ug/l

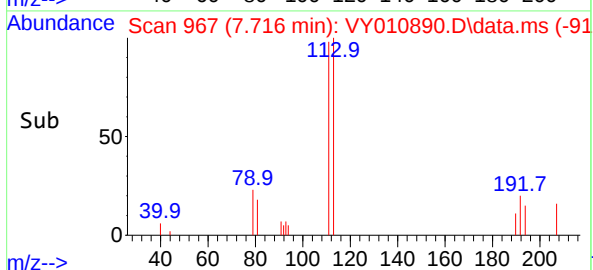
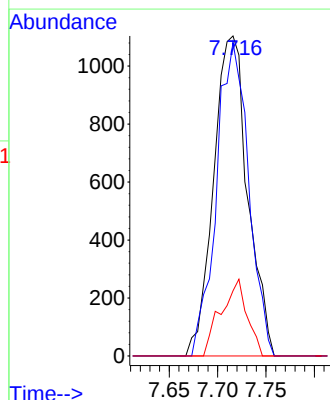
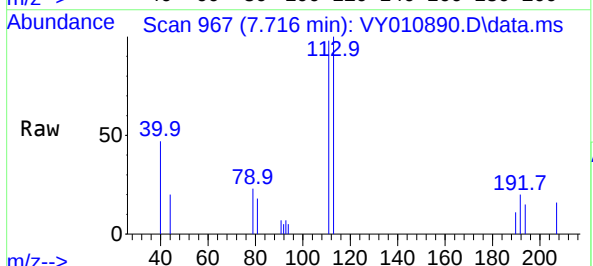
RT: 7.716 min Scan# 967

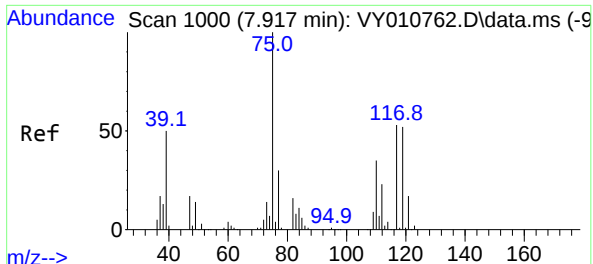
Delta R.T. -0.000 min

Lab File: VY010890.D

Acq: 10 Oct 2022 15:11

Tgt Ion:113	Resp:	2713
Ion	Ratio	Lower Upper
113	100	
111	92.2	82.6 124.0
192	18.4	17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.949 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

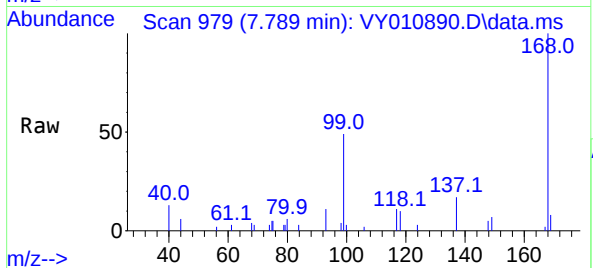
Lab File: VY010890.D

Acq: 10 Oct 2022 15:11

Instrument :

MSVOA_Y

ClientSampleId :



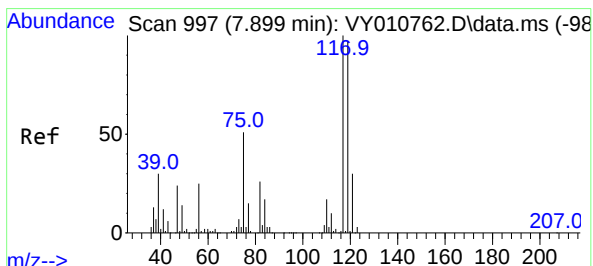
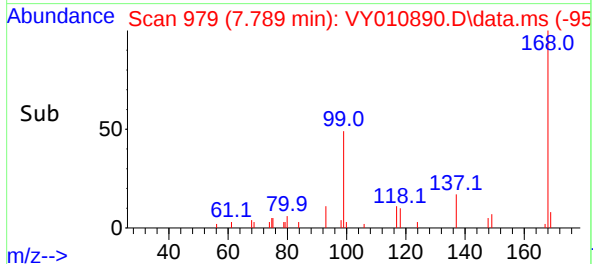
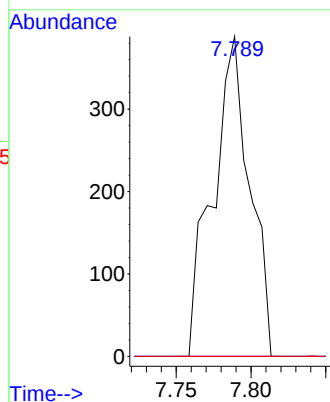
Tgt Ion: 75 Resp: 669

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.838 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY010890.D

Acq: 10 Oct 2022 15:11

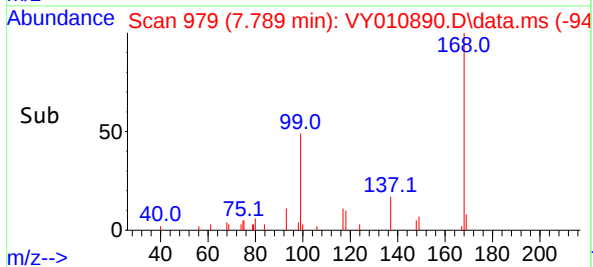
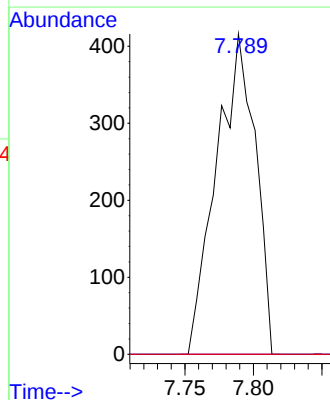
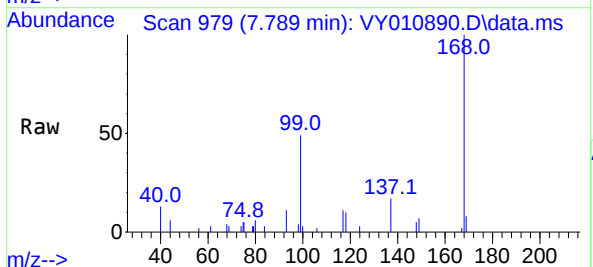
Tgt Ion: 117 Resp: 822

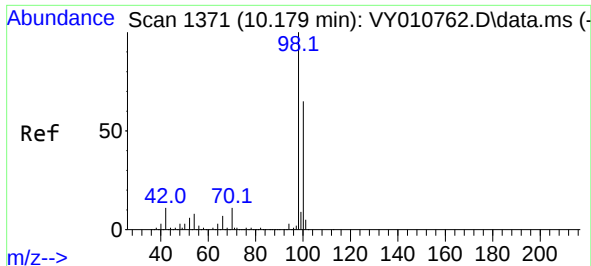
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

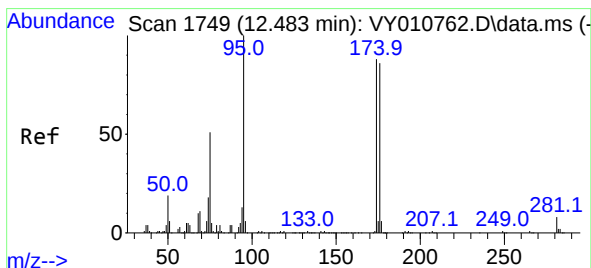
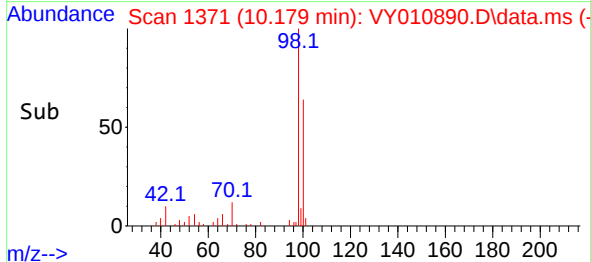
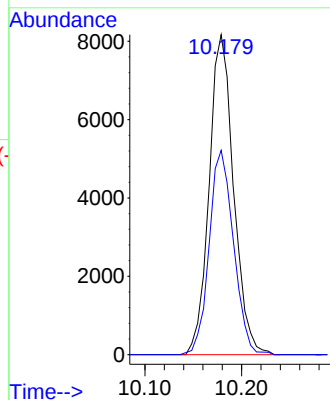
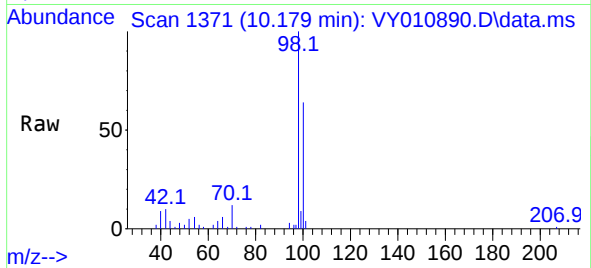




#50
Toluene-d8
Concen: 44.806 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010890.D
Acq: 10 Oct 2022 15:11

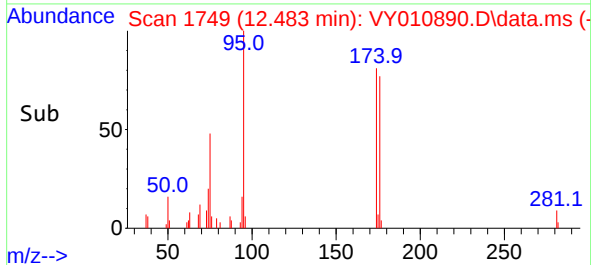
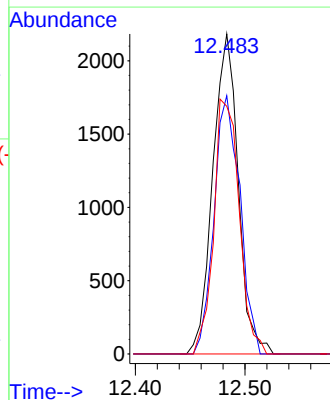
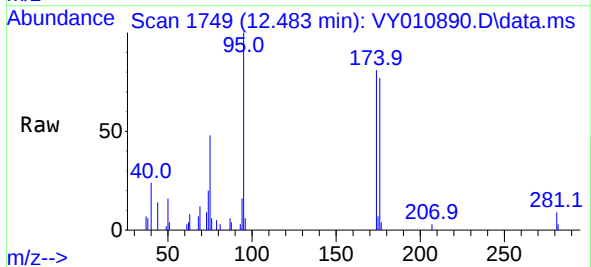
Instrument :
MSVOA_Y
ClientSampleId :

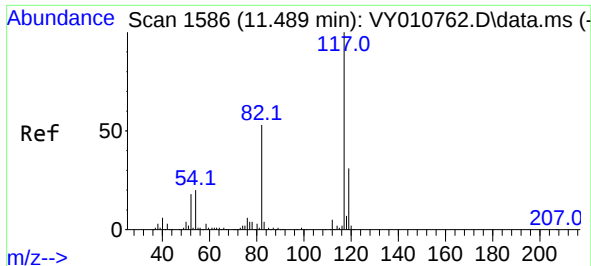
Tgt Ion: 98 Resp: 14348
Ion Ratio Lower Upper
98 100
100 63.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 26.287 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010890.D
Acq: 10 Oct 2022 15:11

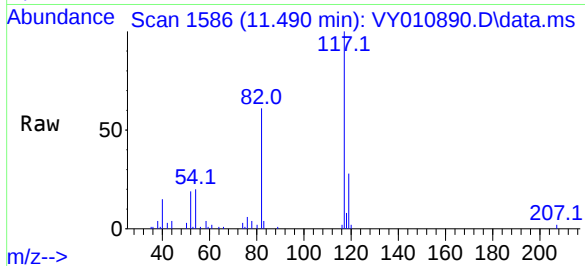
Tgt Ion: 95 Resp: 3507
Ion Ratio Lower Upper
95 100
174 82.3 0.0 177.0
176 79.9 0.0 175.8



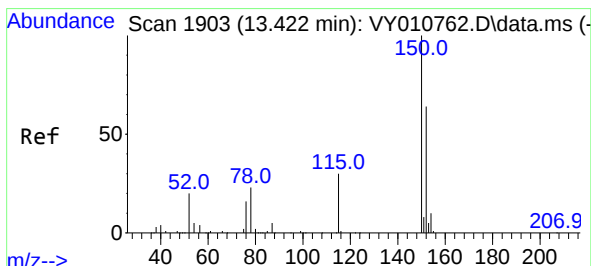
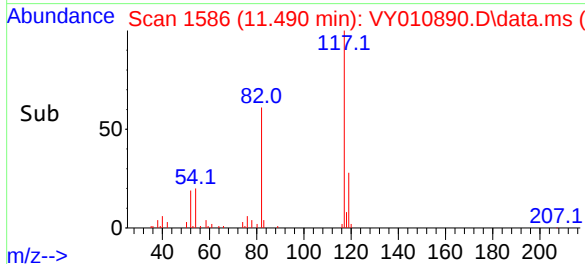
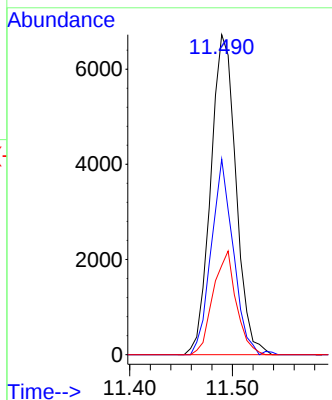


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY010890.D
Acq: 10 Oct 2022 15:11

Instrument :
MSVOA_Y
ClientSampleId :

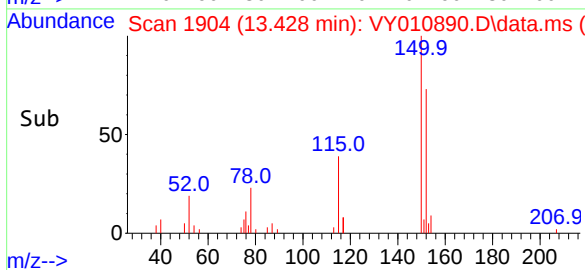
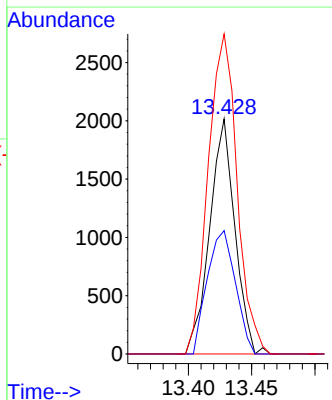
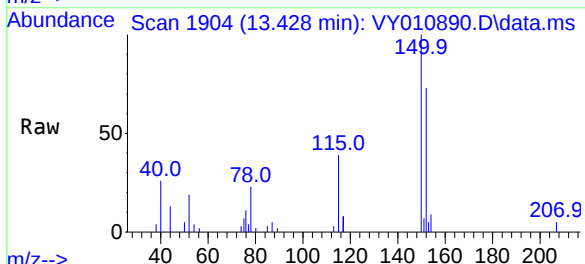


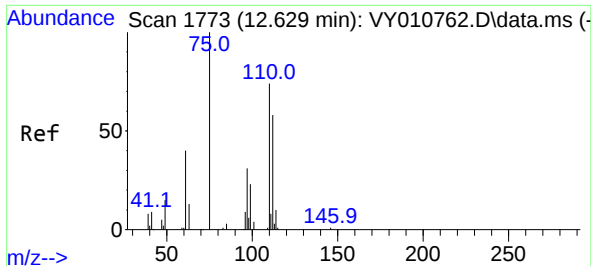
Tgt Ion:	117	Resp:	11439
Ion	Ratio	Lower	Upper
117	100		
82	61.1	43.0	64.4
119	27.9	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010890.D
Acq: 10 Oct 2022 15:11

Tgt Ion:	152	Resp:	2800
Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.2	84.7
150	155.8	0.0	347.6

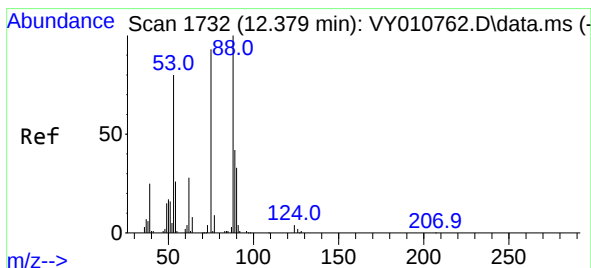
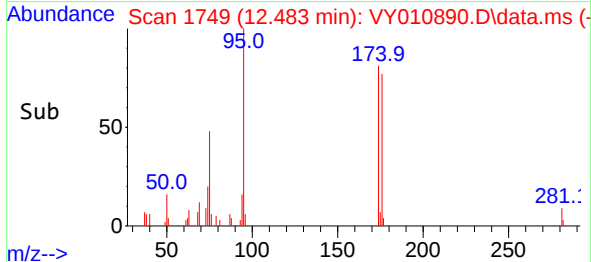
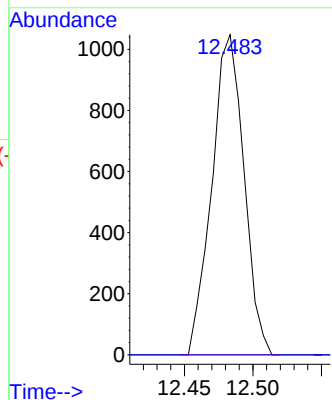
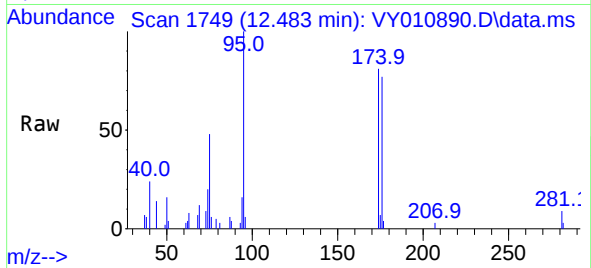




#76
1,2,3-Trichloropropane
Concen: 60.306 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY010890.D
Acq: 10 Oct 2022 15:11

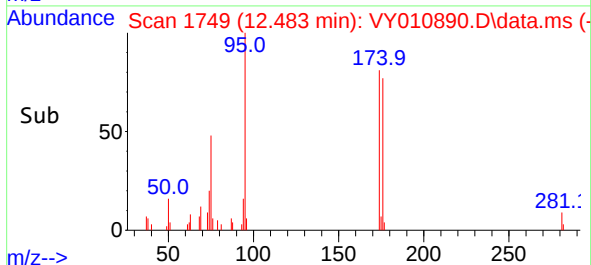
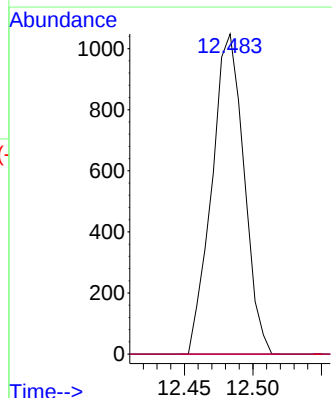
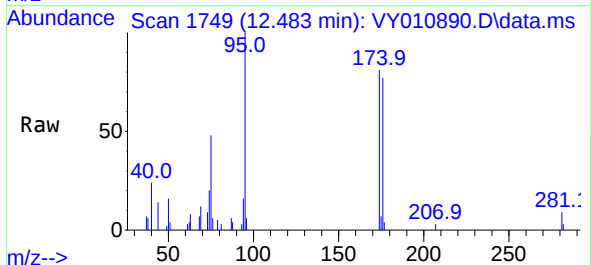
Instrument :
MSVOA_Y
ClientSampleId :

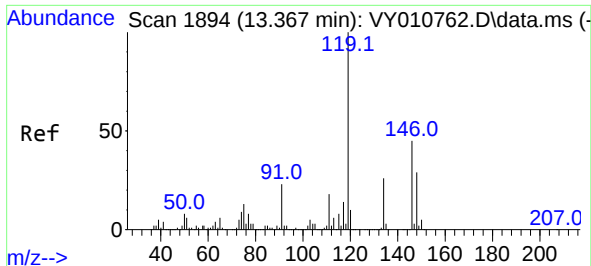
Tgt Ion: 75 Resp: 1710
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 125.974 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY010890.D
Acq: 10 Oct 2022 15:11

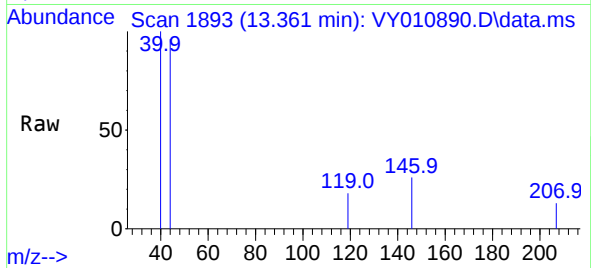
Tgt Ion: 75 Resp: 1710
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



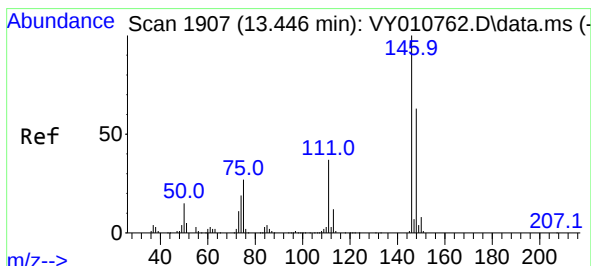
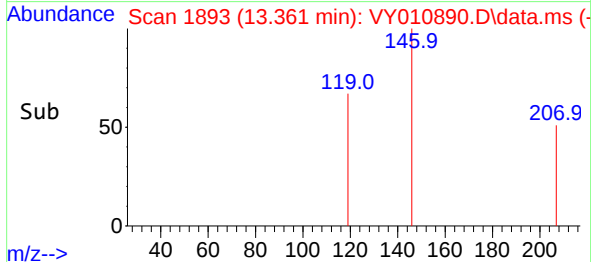
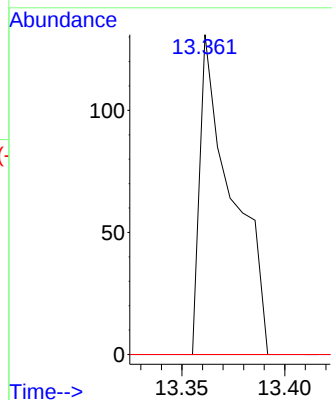


#87
1,3-Dichlorobenzene
Concen: 1.502 ug/l
RT: 13.361 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY010890.D
Acq: 10 Oct 2022 15:11

Instrument :
MSVOA_Y
ClientSampleId :

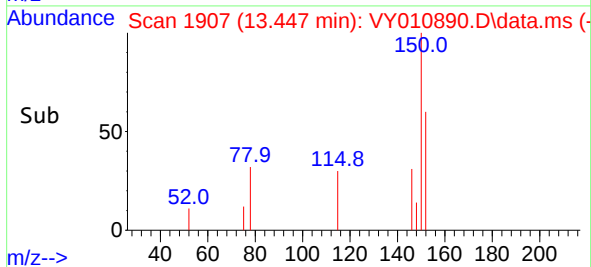
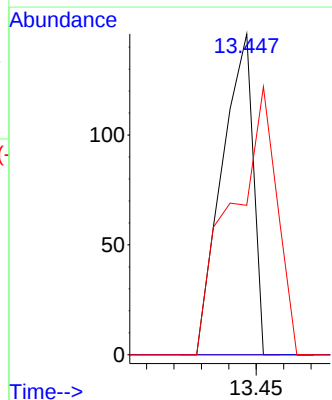
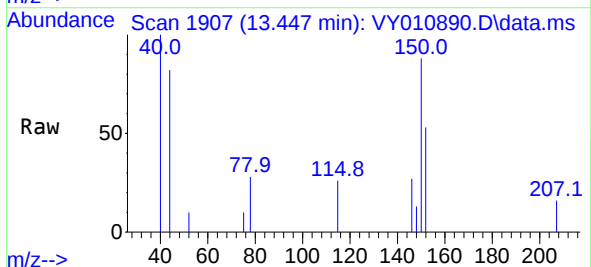


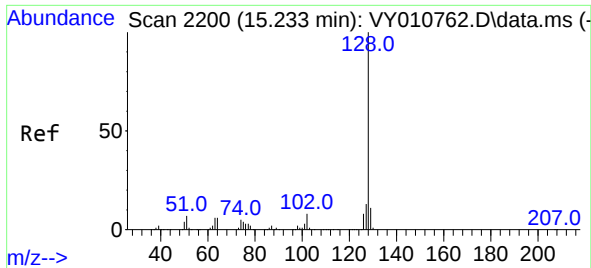
Tgt Ion:146 Resp: 144
Ion Ratio Lower Upper
146 100
111 0.0 19.5 58.5#
148 0.0 31.6 95.0#



#88
1,4-Dichlorobenzene
Concen: 1.222 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.001 min
Lab File: VY010890.D
Acq: 10 Oct 2022 15:11

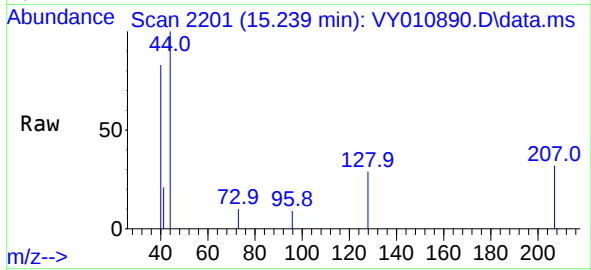
Tgt Ion:146 Resp: 116
Ion Ratio Lower Upper
146 100
111 0.0 19.3 57.8#
148 119.0 32.6 97.8#





#95
Naphthalene
Concen: 1.948 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY010890.D
Acq: 10 Oct 2022 15:11

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	182
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#

