

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083121\
 Data File : VY005913.D
 Acq On : 31 Aug 2021 15:34
 Operator : SY/MD
 Sample : M3597-01
 Misc : 5.10G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 01 05:37:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

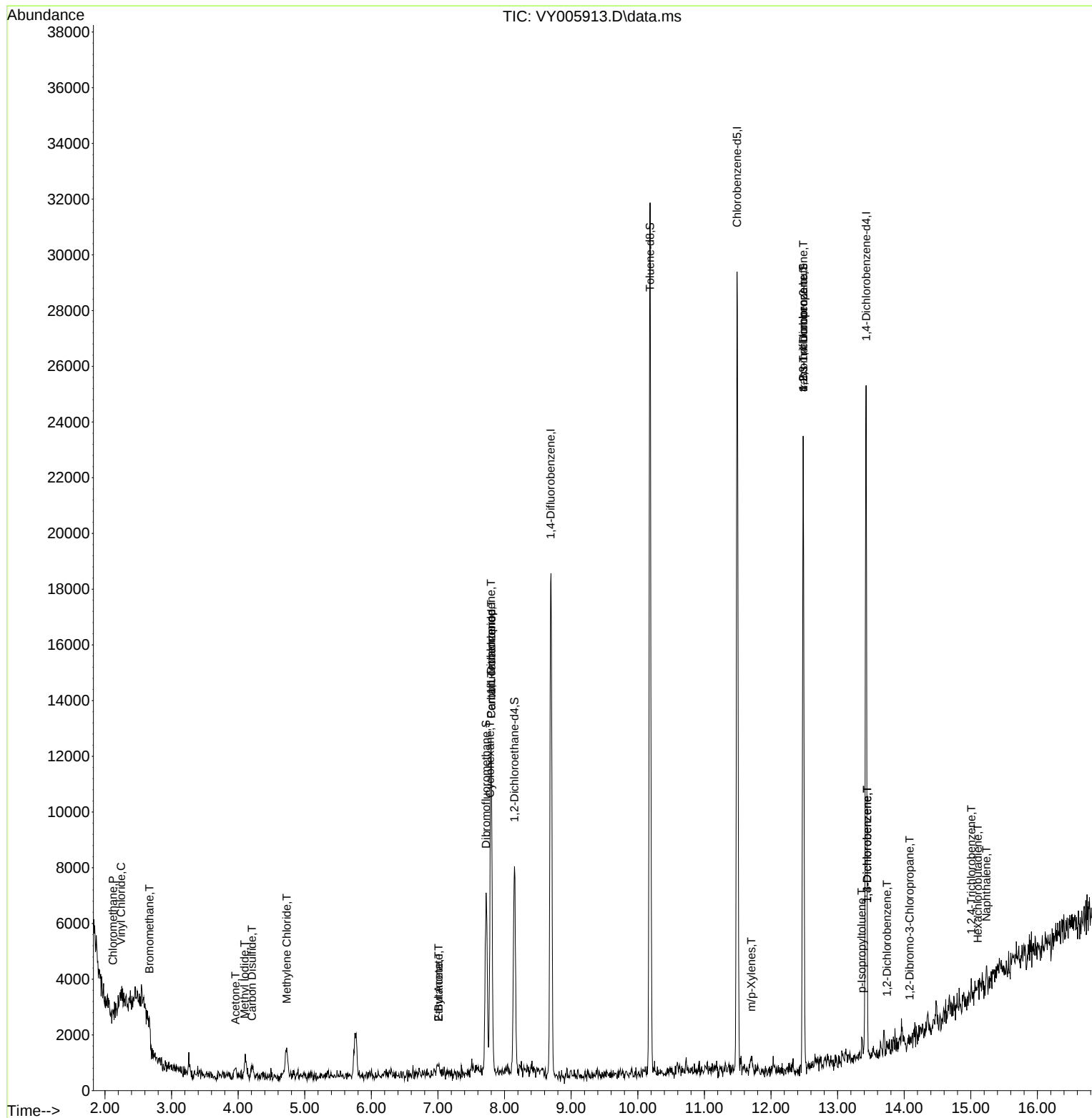
Internal Standards						
1) Pentafluorobenzene	7.801	168	10257	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	16621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	16315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	6505	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	6229	60.264	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.520%	
35) Dibromofluoromethane	7.722	113	4427	47.427	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.860%	
50) Toluene-d8	10.185	98	20319	51.868	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.740%	
62) 4-Bromofluorobenzene	12.483	95	6014	45.720	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	224	2.309	ug/l #	42
4) Vinyl Chloride	2.241	62	219	1.737	ug/l #	43
5) Bromomethane	2.668	94	181	2.128	ug/l #	70
10) Methyl Iodide	4.095	142	1173	10.763	ug/l #	73
16) Acetone	3.960	43	732	27.774	ug/l #	81
17) Carbon Disulfide	4.204	76	603	2.144	ug/l #	76
20) Methylene Chloride	4.729	84	781	2.980	ug/l #	83
25) 2-Butanone	7.009	43	95	2.551	ug/l #	47
31) Cyclohexane	7.783	56	210	1.205	ug/l #	72
36) 1,1-Dichloropropene	7.795	75	739	4.722	ug/l #	43
37) Ethyl Acetate	7.009	43	95	1.014	ug/l #	68
38) Carbon Tetrachloride	7.801	117	1009	5.949	ug/l #	12
68) m/p-Xylenes	11.703	106	262	1.135	ug/l	77
76) 1,2,3-Trichloropropane	12.483	75	3233	53.100	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3233	100.985	ug/l #	13
86) p-Isopropyltoluene	13.361	119	429	1.058	ug/l	96
87) 1,3-Dichlorobenzene	13.447	146	214	1.007	ug/l	82
88) 1,4-Dichlorobenzene	13.447	146	214	1.008	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	191	1.014	ug/l #	47
92) 1,2-Dibromo-3-Chloropr...	14.081	75	24	1.551	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.007	180	149	1.172	ug/l #	63
94) Hexachlorobutadiene	15.105	225	166	2.026	ug/l	63
95) Naphthalene	15.233	128	364	1.490	ug/l #	69

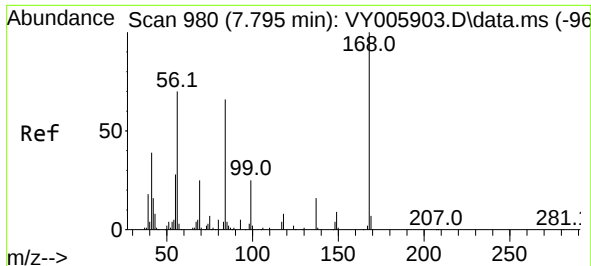
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

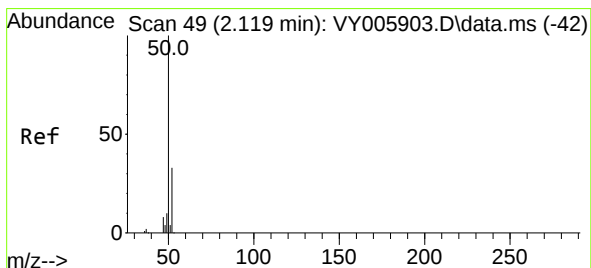
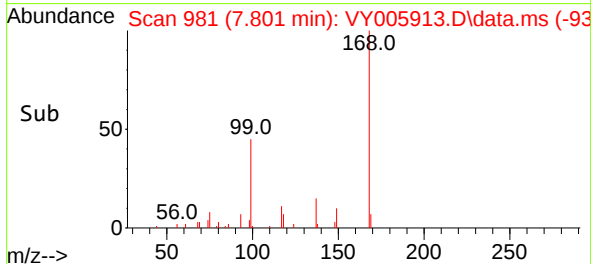
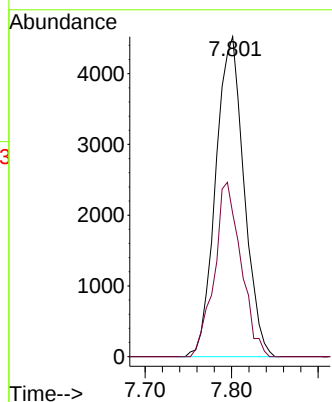
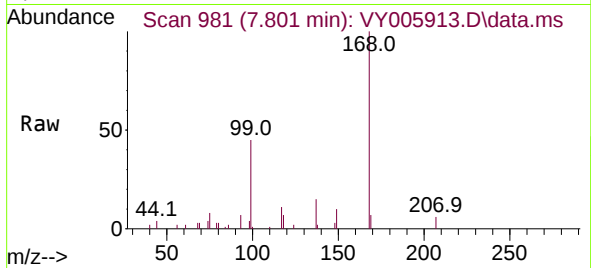




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY005913.D
Acq: 31 Aug 2021 15:34

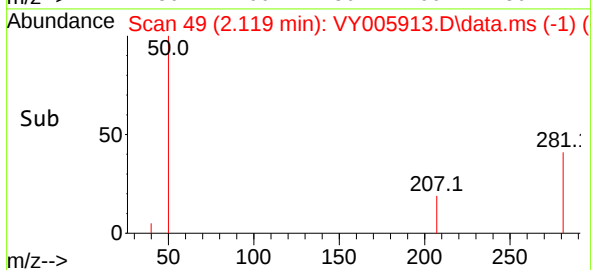
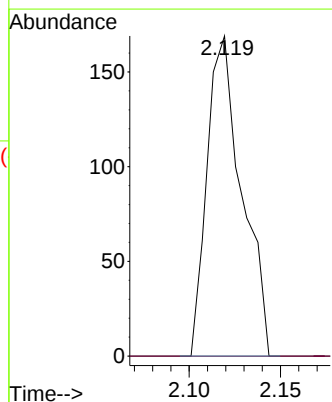
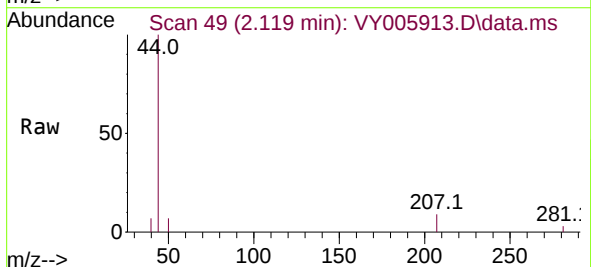
Instrument :
MSVOA_Y
ClientSampleId :

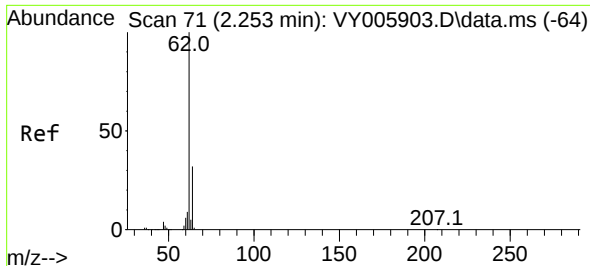
Tgt Ion:168 Resp: 10257
Ion Ratio Lower Upper
168 100
99 44.7 40.6 60.8



#3
Chloromethane
Concen: 2.309 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY005913.D
Acq: 31 Aug 2021 15:34

Tgt Ion: 50 Resp: 224
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.4#

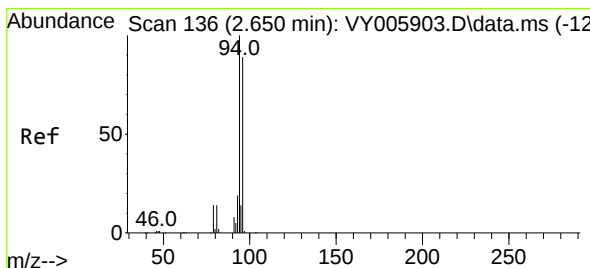
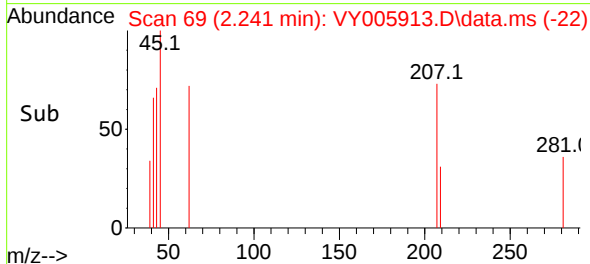
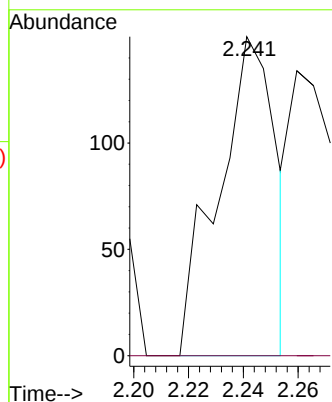
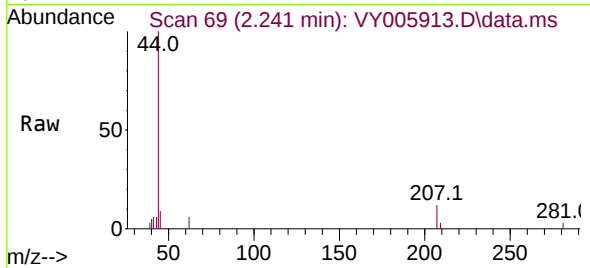




#4
 Vinyl Chloride
 Concen: 1.737 ug/l
 RT: 2.241 min Scan# 69
 Delta R.T. -0.012 min
 Lab File: VY005913.D
 Acq: 31 Aug 2021 15:34

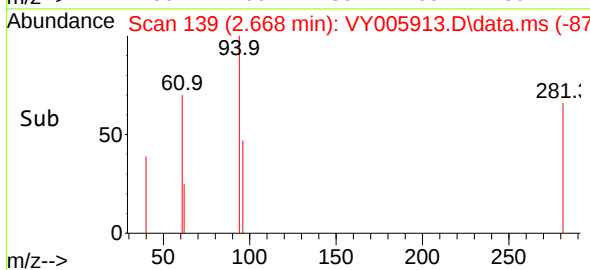
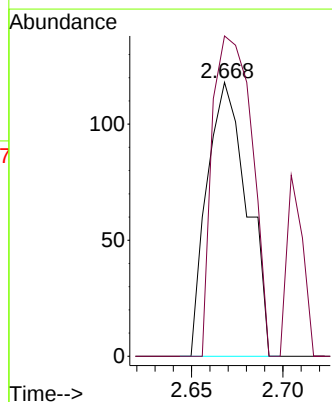
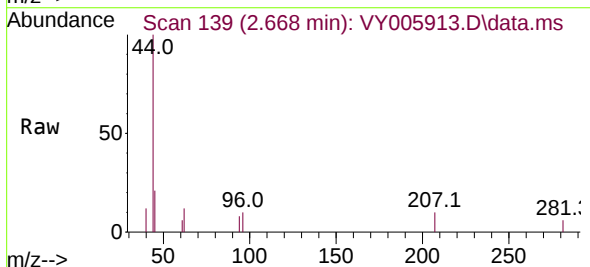
Instrument :
 MSVOA_Y
 ClientSampled :

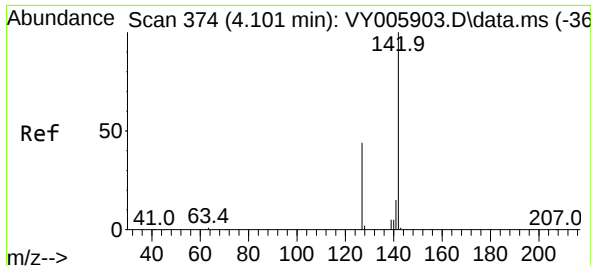
Tgt Ion: 62 Resp: 219
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.7 38.5#



#5
 Bromomethane
 Concen: 2.128 ug/l
 RT: 2.668 min Scan# 139
 Delta R.T. 0.018 min
 Lab File: VY005913.D
 Acq: 31 Aug 2021 15:34

Tgt Ion: 94 Resp: 181
 Ion Ratio Lower Upper
 94 100
 96 116.9 70.8 106.2#





#10

Methyl Iodide

Concen: 10.763 ug/l

RT: 4.095 min Scan# 373

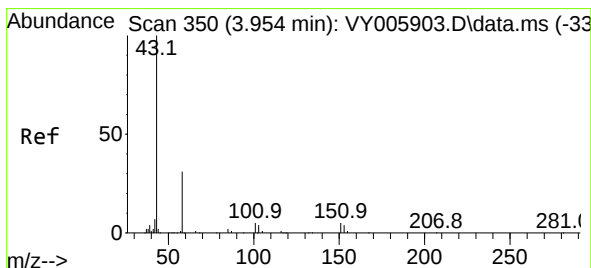
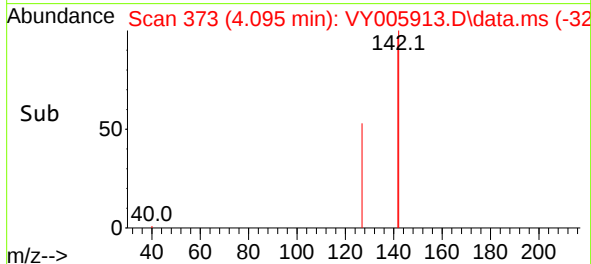
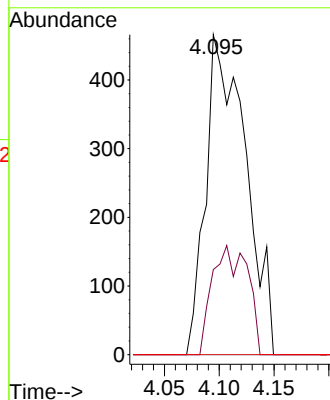
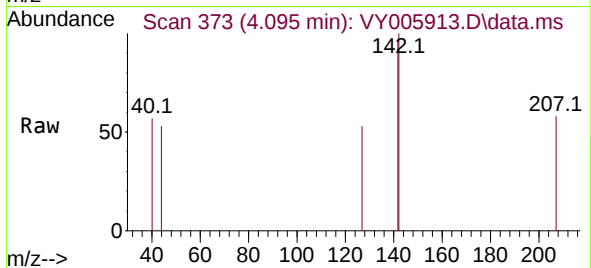
Delta R.T. -0.006 min

Lab File: VY005913.D

Acq: 31 Aug 2021 15:34

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:142 Resp: 1173
Ion Ratio Lower Upper
142 100
127 30.2 36.7 55.1#
141 0.0 11.8 17.8#



#16

Acetone

Concen: 27.774 ug/l

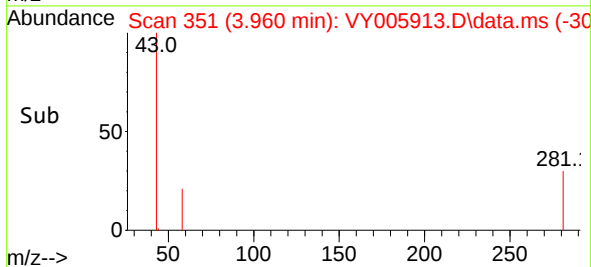
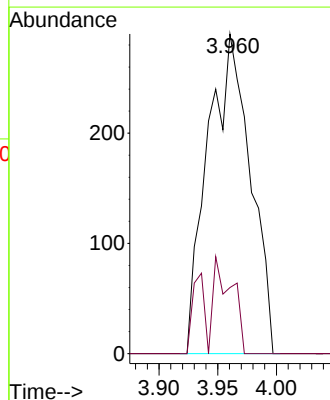
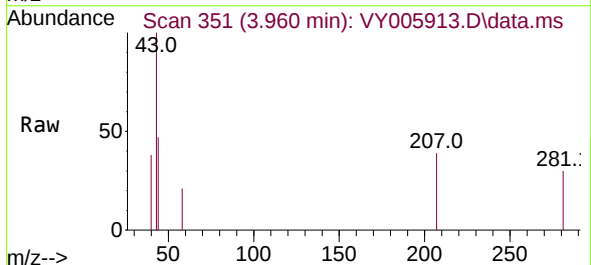
RT: 3.960 min Scan# 351

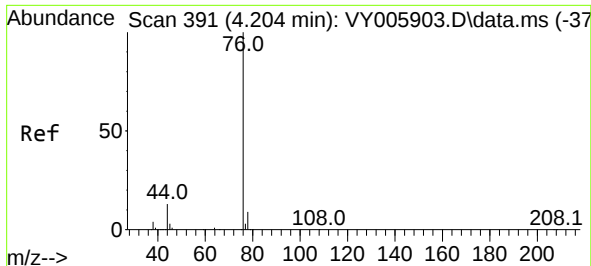
Delta R.T. 0.006 min

Lab File: VY005913.D

Acq: 31 Aug 2021 15:34

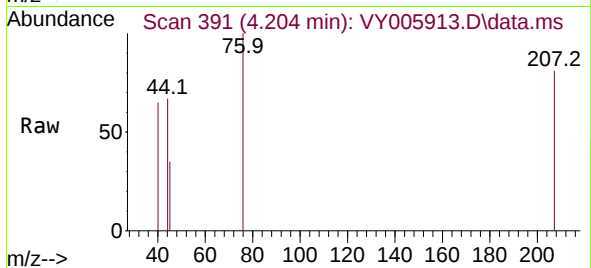
Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
58 20.7 25.1 37.7#



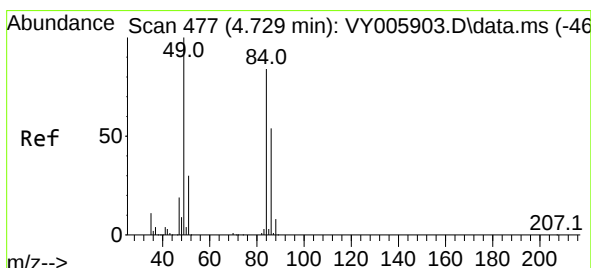
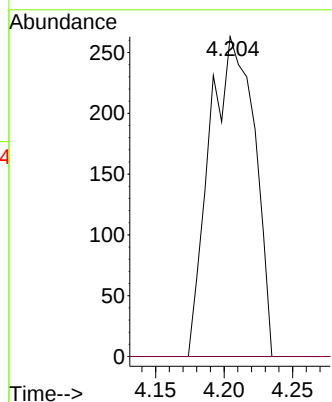
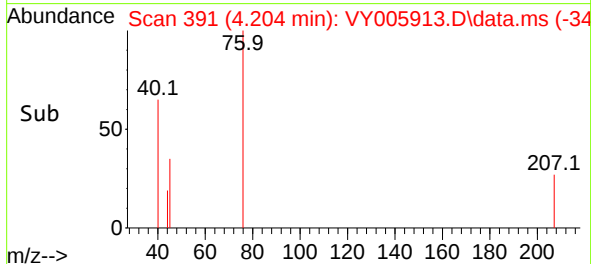


#17
Carbon Disulfide
Concen: 2.144 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY005913.D
Acq: 31 Aug 2021 15:34

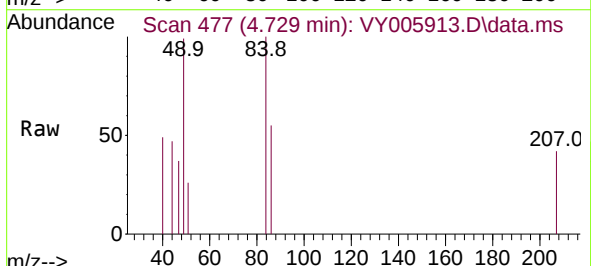
Instrument :
MSVOA_Y
ClientSampleId :



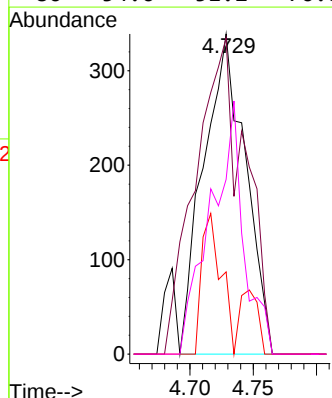
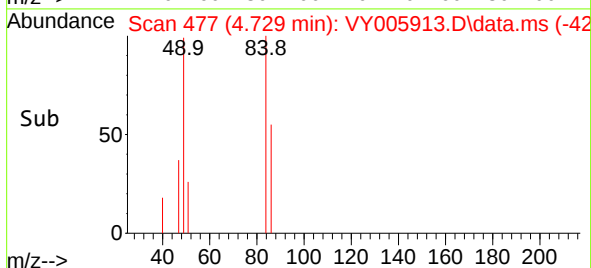
Tgt Ion: 76 Resp: 603
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#

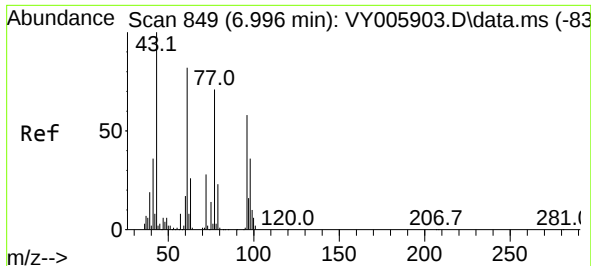


#20
Methylene Chloride
Concen: 2.980 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY005913.D
Acq: 31 Aug 2021 15:34



Tgt Ion: 84 Resp: 781
Ion Ratio Lower Upper
84 100
49 98.8 95.7 143.5
51 25.7 29.0 43.6#
86 54.6 51.2 76.8





#25

2-Butanone

Concen: 2.551 ug/l

RT: 7.009 min Scan# 851

Delta R.T. 0.012 min

Lab File: VY005913.D

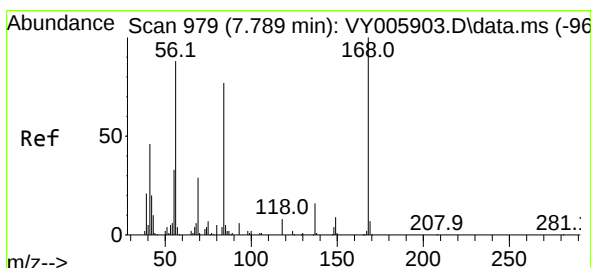
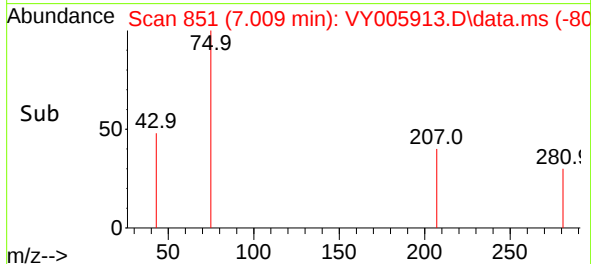
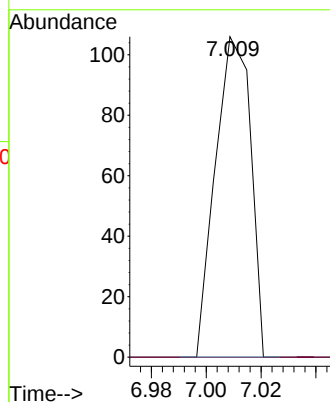
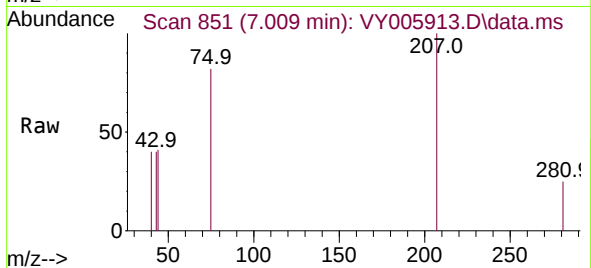
Acq: 31 Aug 2021 15:34

Tgt Ion: 43 Resp: 95

Ion Ratio Lower Upper

43 100

72 0.0 22.3 33.5#



#31

Cyclohexane

Concen: 1.205 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY005913.D

Acq: 31 Aug 2021 15:34

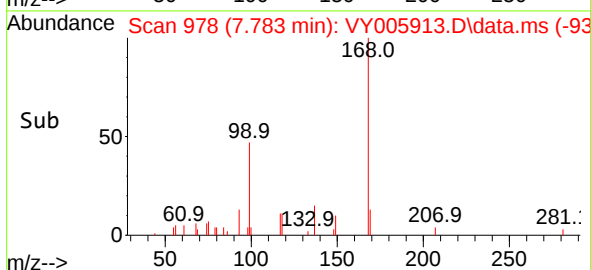
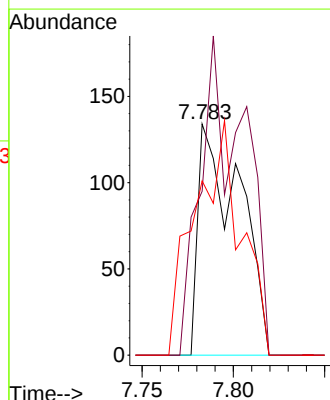
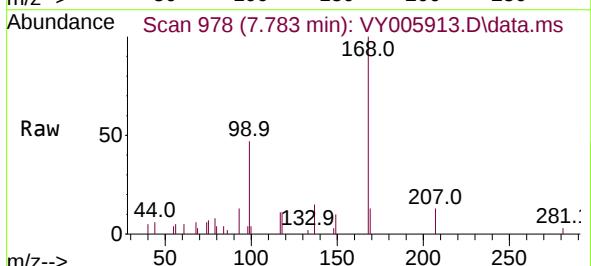
Tgt Ion: 56 Resp: 210

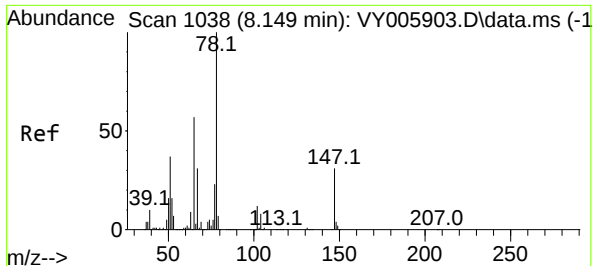
Ion Ratio Lower Upper

56 100

69 70.9 26.3 39.5#

84 75.4 69.8 104.8

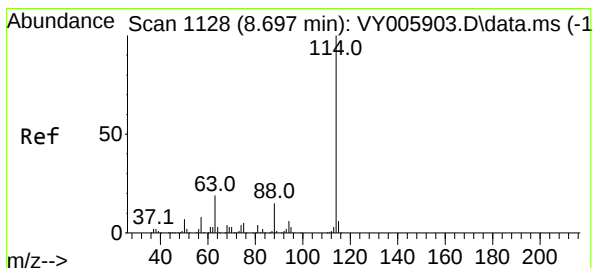
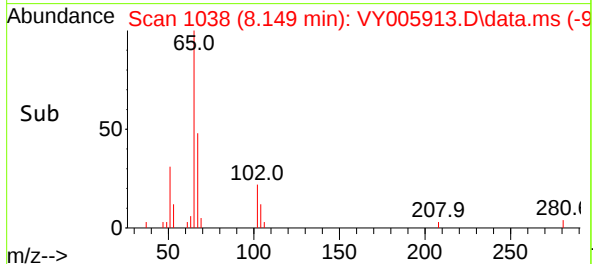
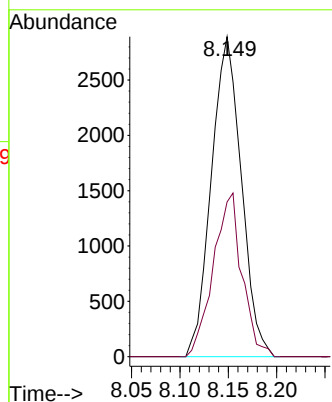
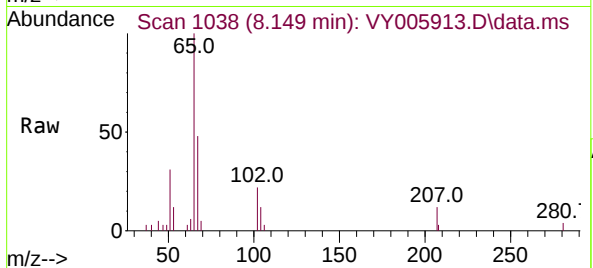




#33
1,2-Dichloroethane-d4
Concen: 60.264 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005913.D
Acq: 31 Aug 2021 15:34

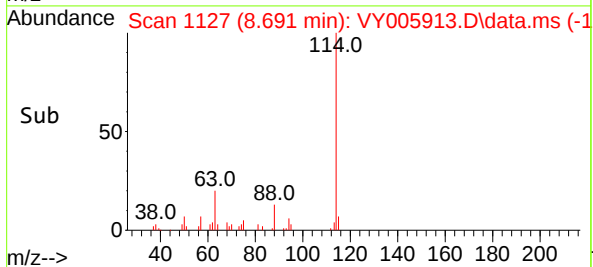
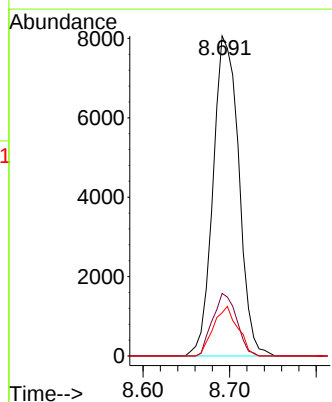
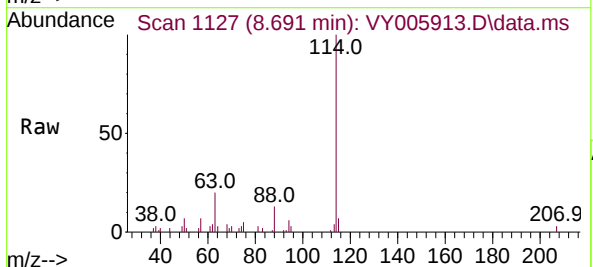
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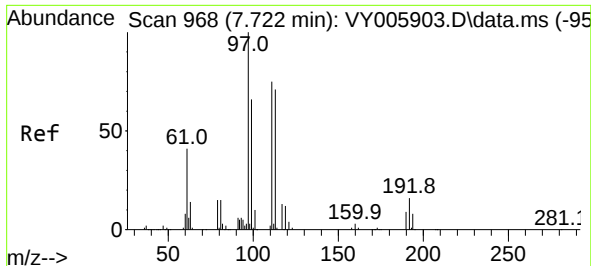
Tgt Ion: 65 Resp: 6229
Ion Ratio Lower Upper
65 100
67 48.9 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY005913.D
Acq: 31 Aug 2021 15:34

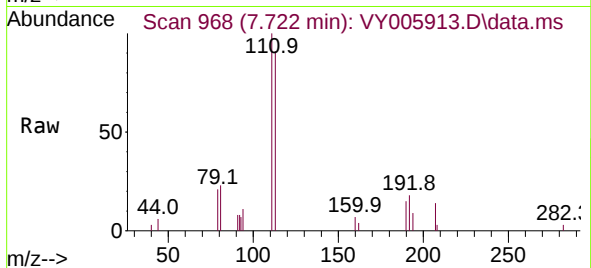
Tgt Ion: 114 Resp: 16621
Ion Ratio Lower Upper
114 100
63 19.6 0.0 38.4
88 13.5 0.0 30.0



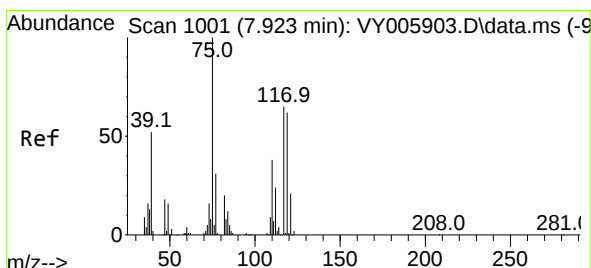
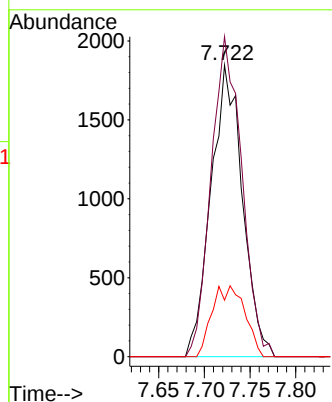
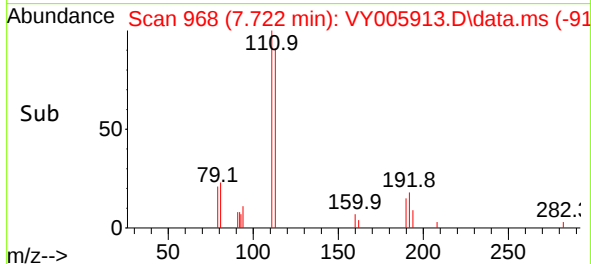


#35
Dibromofluoromethane
Concen: 47.427 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY005913.D
Acq: 31 Aug 2021 15:34

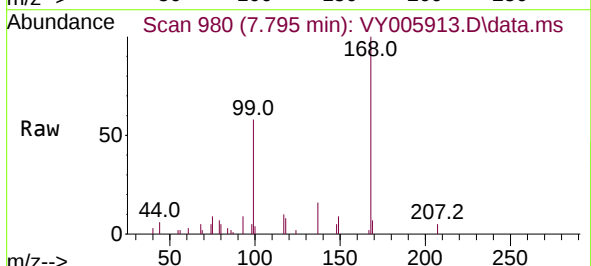
Instrument :
MSVOA_Y
ClientSampleId :



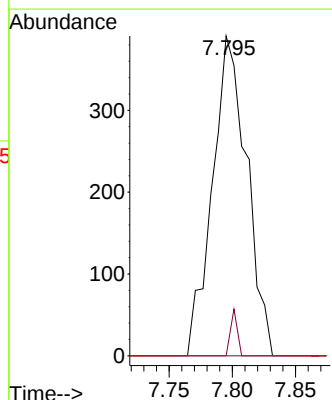
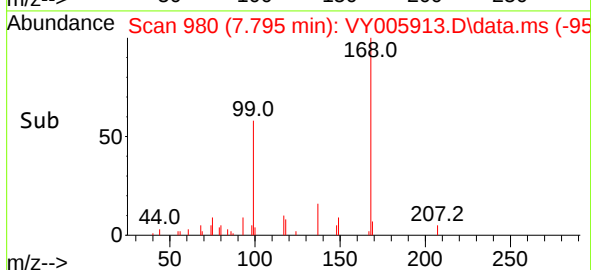
Tgt Ion:113 Resp: 4427
Ion Ratio Lower Upper
113 100
111 106.8 81.9 122.9
192 25.2 19.4 29.0

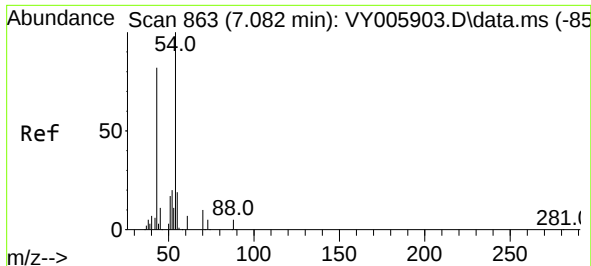


#36
1,1-Dichloropropene
Concen: 4.722 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005913.D
Acq: 31 Aug 2021 15:34



Tgt Ion: 75 Resp: 739
Ion Ratio Lower Upper
75 100
110 2.8 18.1 54.3#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.014 ug/l

RT: 7.009 min Scan# 851

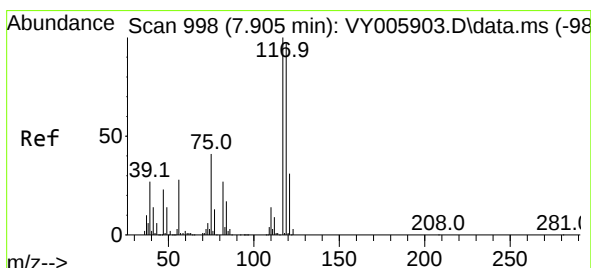
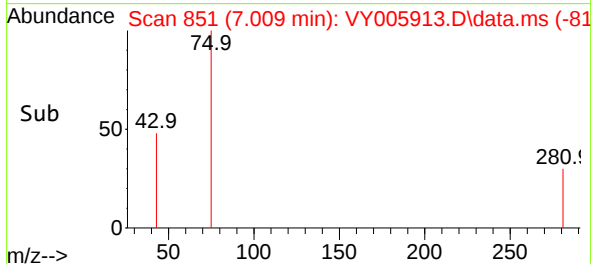
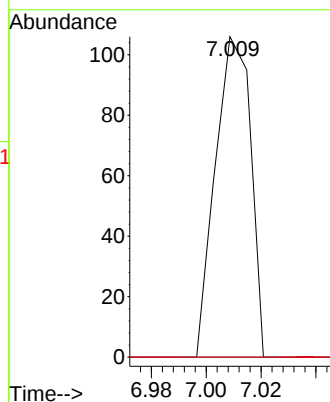
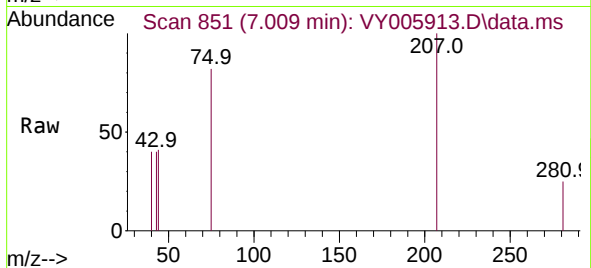
Delta R.T. -0.073 min

Lab File: VY005913.D

Acq: 31 Aug 2021 15:34

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 43	Resp: 95
Ion Ratio	Lower Upper
43 100	
61 0.0	11.2 16.8#
70 0.0	8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.949 ug/l

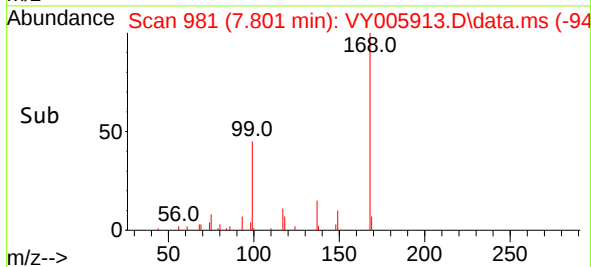
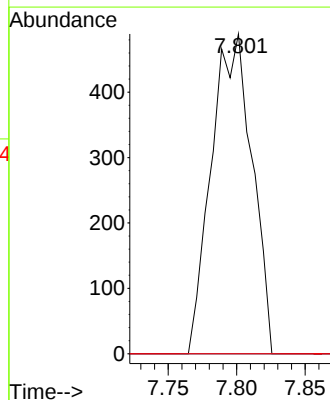
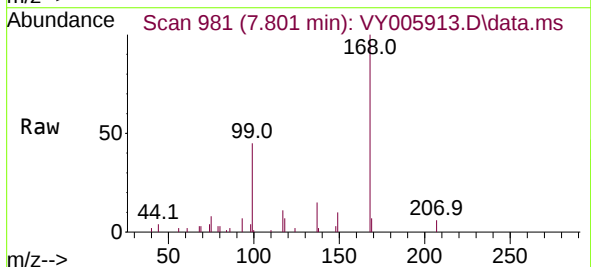
RT: 7.801 min Scan# 981

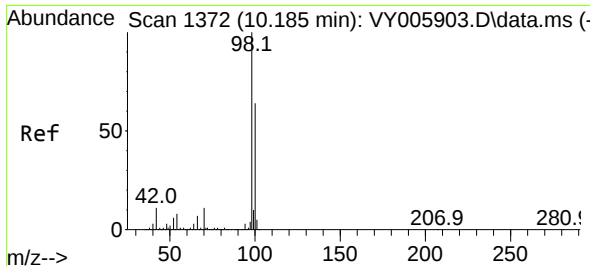
Delta R.T. -0.104 min

Lab File: VY005913.D

Acq: 31 Aug 2021 15:34

Tgt Ion: 117	Resp: 1009
Ion Ratio	Lower Upper
117 100	
119 0.0	77.5 116.3#
121 0.0	25.0 37.6#

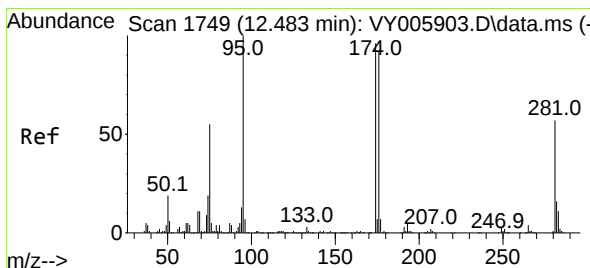
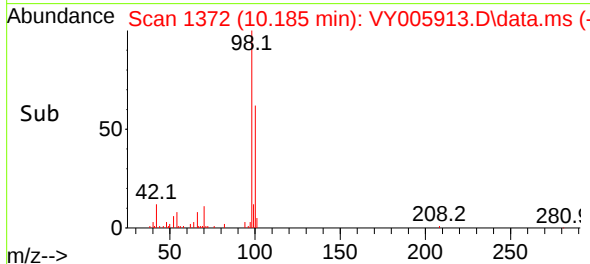
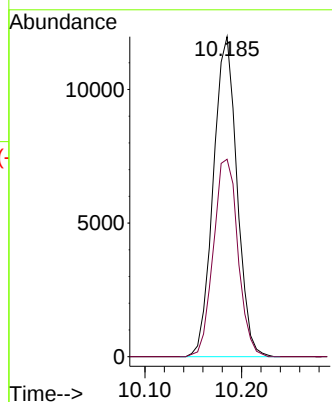
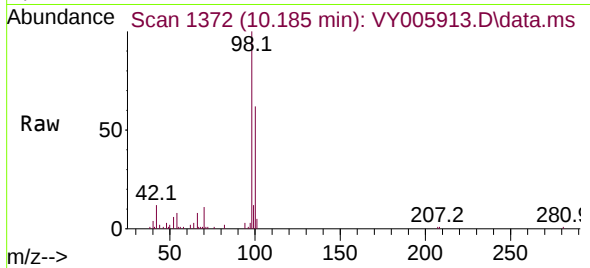




#50
Toluene-d8
Concen: 51.868 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005913.D
Acq: 31 Aug 2021 15:34

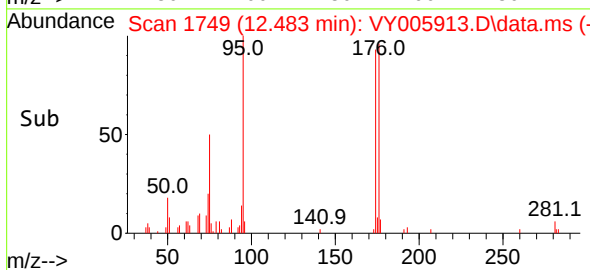
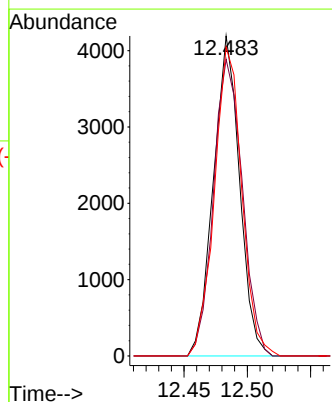
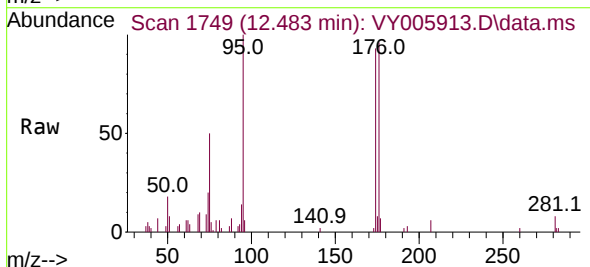
Instrument :
MSVOA_Y
ClientSampled :

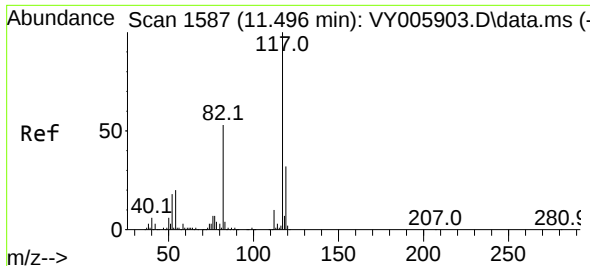
Tgt Ion: 98 Resp: 20319
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 45.720 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005913.D
Acq: 31 Aug 2021 15:34

Tgt Ion: 95 Resp: 6014
Ion Ratio Lower Upper
95 100
174 102.1 0.0 192.4
176 101.0 0.0 186.8

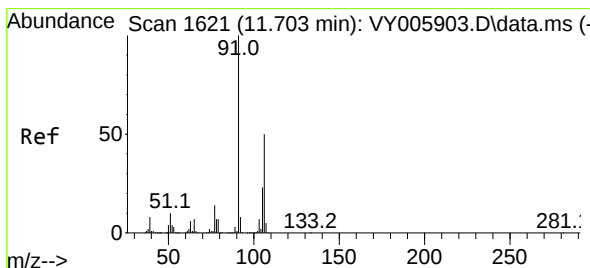
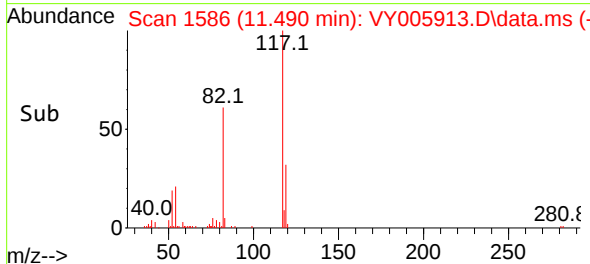
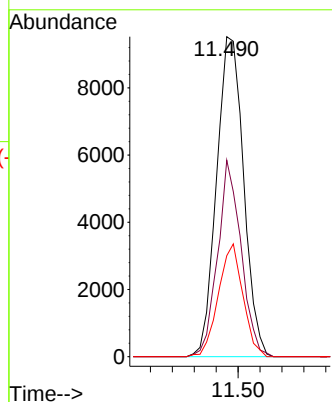
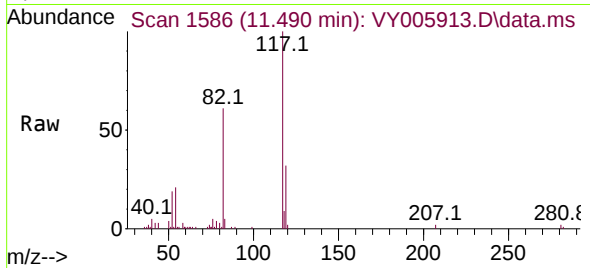




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY005913.D
Acq: 31 Aug 2021 15:34

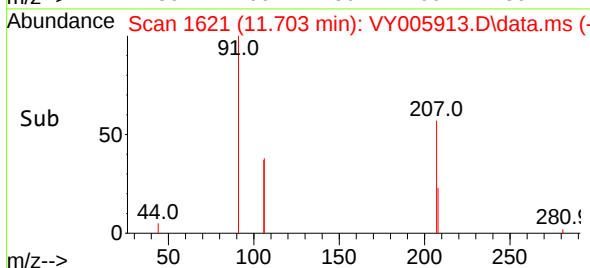
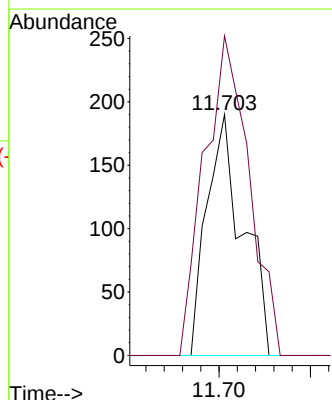
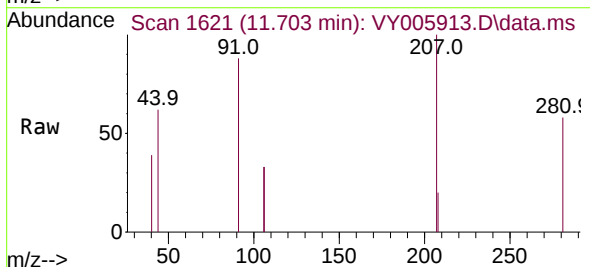
Instrument :
MSVOA_Y
ClientSampleId :

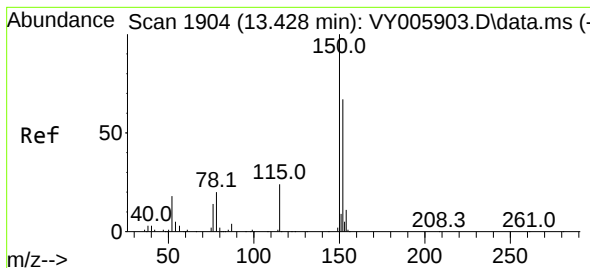
Tgt Ion:	117	Resp:	16315
Ion	Ratio	Lower	Upper
117	100		
82	61.4	42.4	63.6
119	31.6	25.4	38.0



#68
m/p-Xylenes
Concen: 1.135 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY005913.D
Acq: 31 Aug 2021 15:34

Tgt Ion:	106	Resp:	262
Ion	Ratio	Lower	Upper
106	100		
91	163.4	158.4	237.6

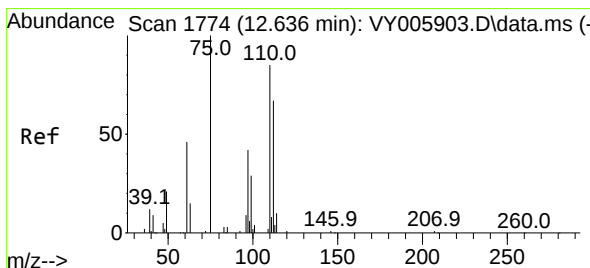
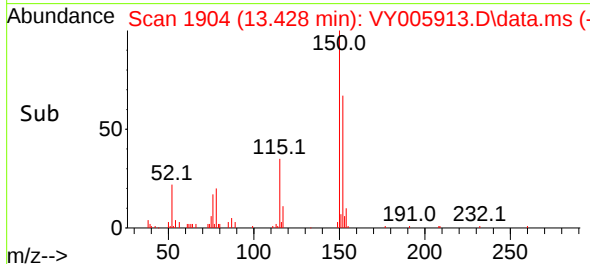
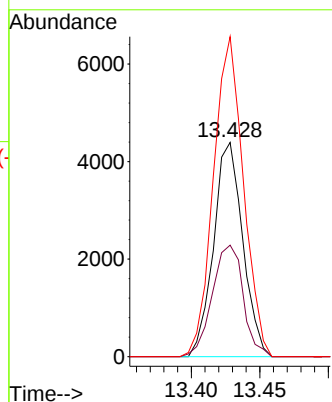
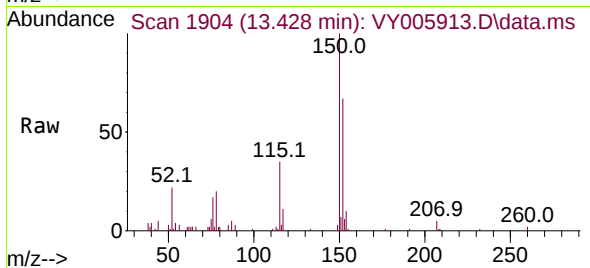




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY005913.D
 Acq: 31 Aug 2021 15:34

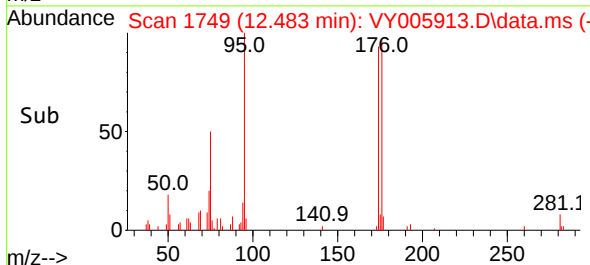
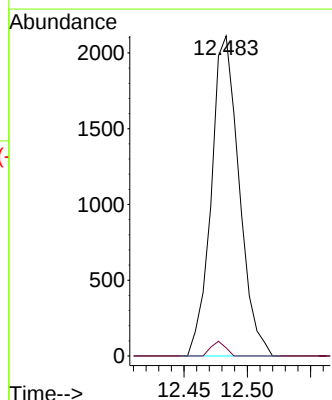
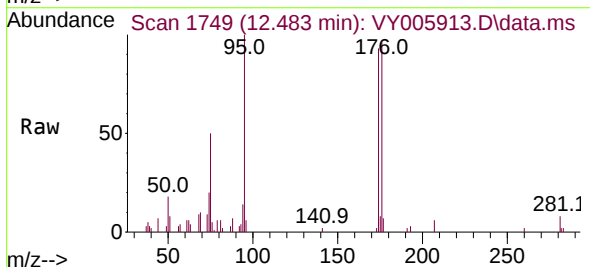
Instrument :
 MSVOA_Y
 ClientSampled :

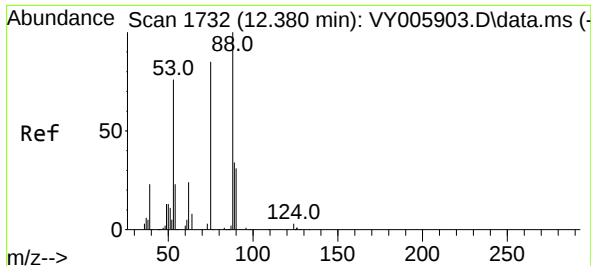
Tgt Ion:152 Resp: 6505
 Ion Ratio Lower Upper
 152 100
 115 55.0 26.8 80.4
 150 153.4 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 53.100 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY005913.D
 Acq: 31 Aug 2021 15:34

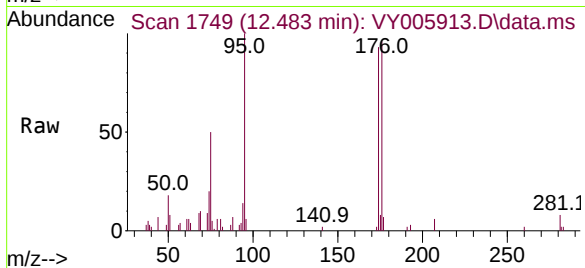
Tgt Ion: 75 Resp: 3233
 Ion Ratio Lower Upper
 75 100
 77 2.4 0.0 0.0#



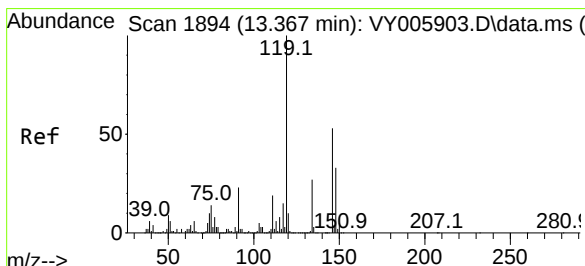
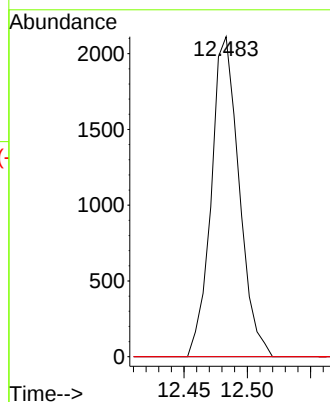
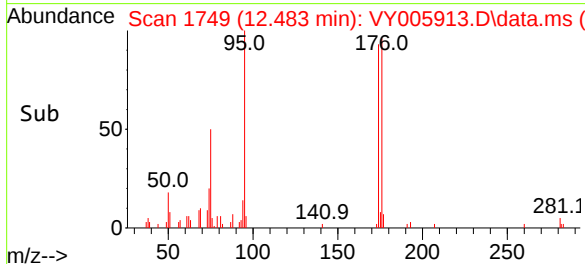


#81
trans-1,4-Dichloro-2-butene
Concen: 100.985 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005913.D
Acq: 31 Aug 2021 15:34

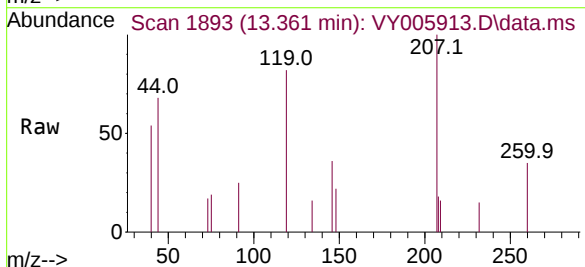
Instrument :
MSVOA_Y
ClientSampleId :



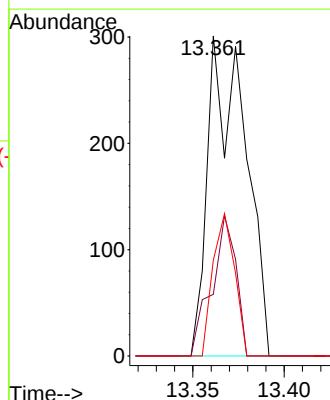
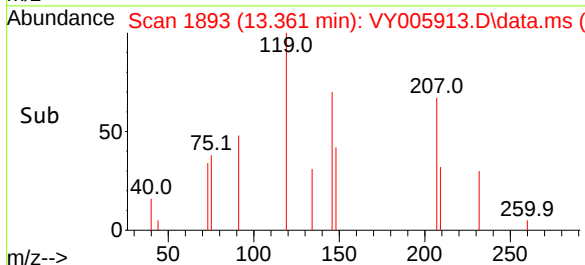
Tgt Ion: 75 Resp: 3233
Ion Ratio Lower Upper
75 100
53 0.0 71.8 107.8#
89 0.0 35.8 53.6#

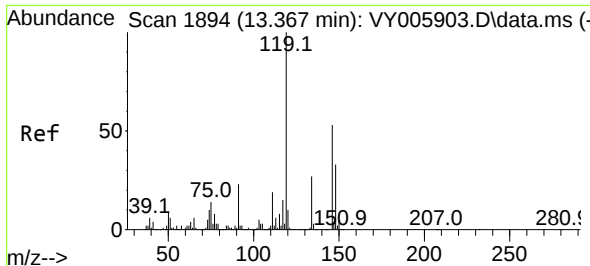


#86
p-Isopropyltoluene
Concen: 1.058 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VY005913.D
Acq: 31 Aug 2021 15:34



Tgt Ion: 119 Resp: 429
Ion Ratio Lower Upper
119 100
134 28.4 13.7 41.1
91 25.6 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 1.007 ug/l

RT: 13.447 min Scan# 1907

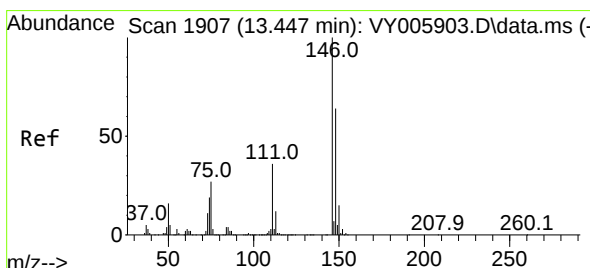
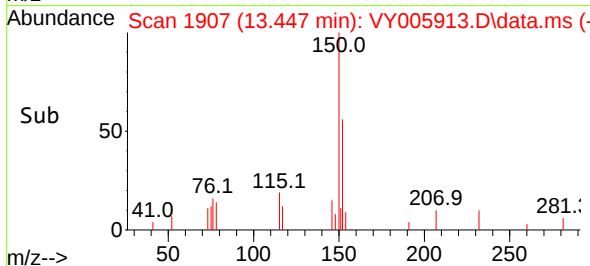
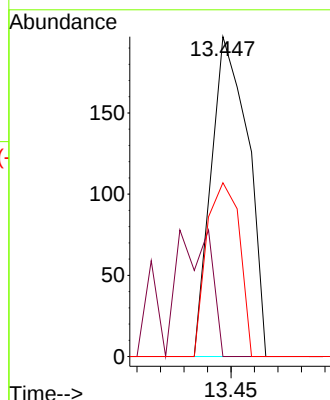
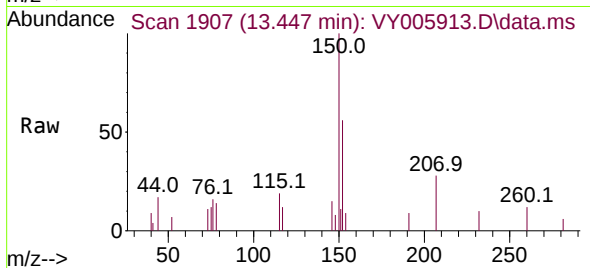
Delta R.T. 0.079 min

Lab File: VY005913.D

Acq: 31 Aug 2021 15:34

Tgt Ion:	146	Resp:	214
Ion	Ratio	Lower	Upper
146	100		
111	45.8	18.6	55.6
148	48.6	31.9	95.7

Instrument :
MSVOA_Y
ClientSampled :



#88

1,4-Dichlorobenzene

Concen: 1.008 ug/l

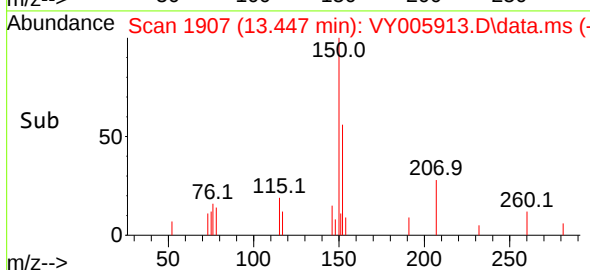
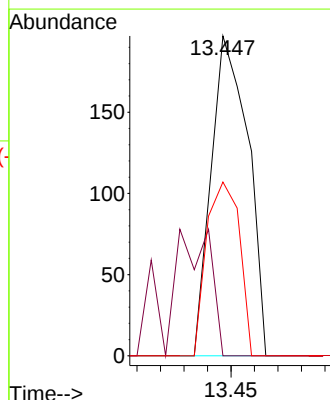
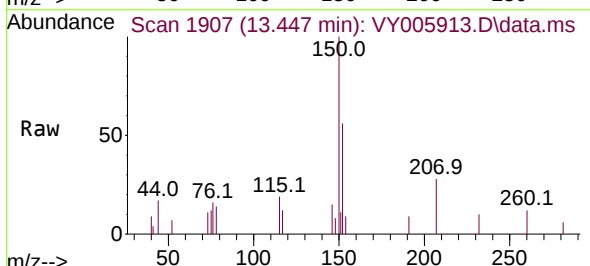
RT: 13.447 min Scan# 1907

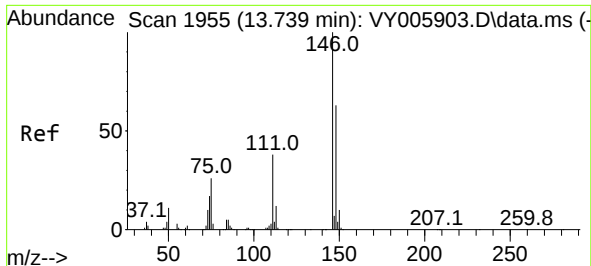
Delta R.T. 0.000 min

Lab File: VY005913.D

Acq: 31 Aug 2021 15:34

Tgt Ion:	146	Resp:	214
Ion	Ratio	Lower	Upper
146	100		
111	45.8	18.1	54.3
148	48.6	32.1	96.5

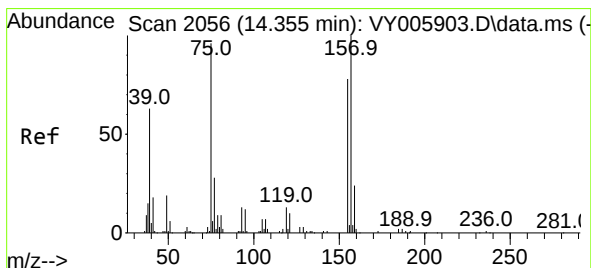
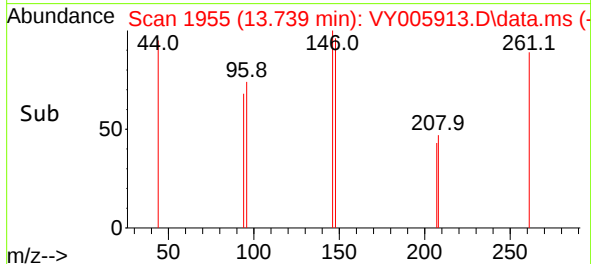
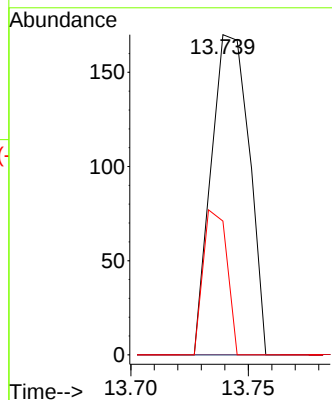
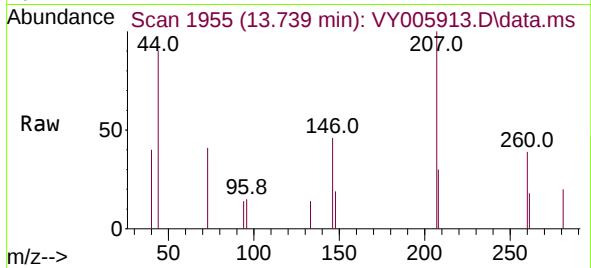




#91
1,2-Dichlorobenzene
Concen: 1.014 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VY005913.D
Acq: 31 Aug 2021 15:34

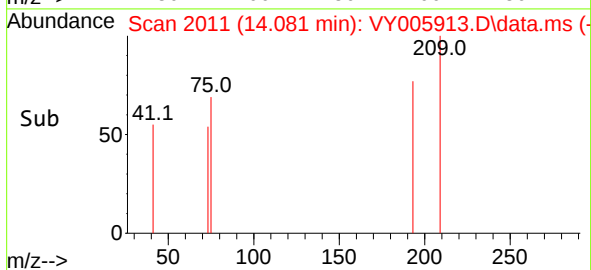
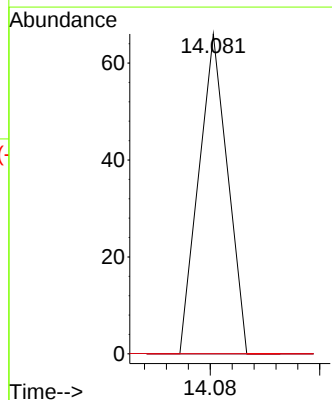
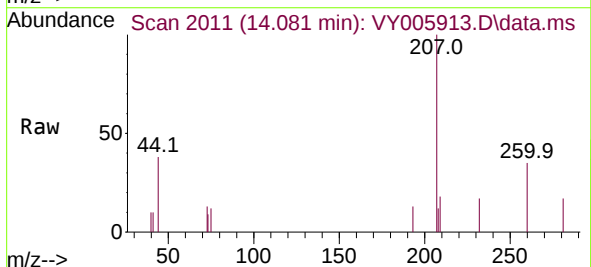
Instrument :
MSVOA_Y
ClientSampleId :

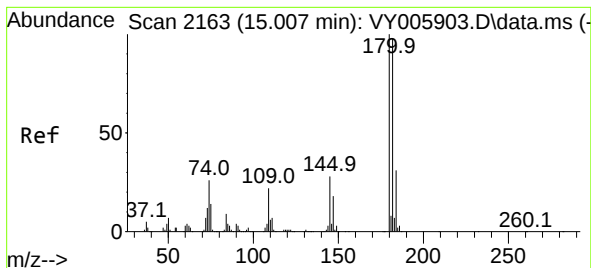
Tgt Ion:146 Resp: 191
Ion Ratio Lower Upper
146 100
111 0.0 19.4 58.2#
148 28.3 32.2 96.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.551 ug/l
RT: 14.081 min Scan# 2011
Delta R.T. -0.274 min
Lab File: VY005913.D
Acq: 31 Aug 2021 15:34

Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
155 0.0 43.1 129.3#
157 0.0 54.4 163.3#





#93

1,2,4-Trichlorobenzene

Concen: 1.172 ug/l

RT: 15.007 min Scan# 2163

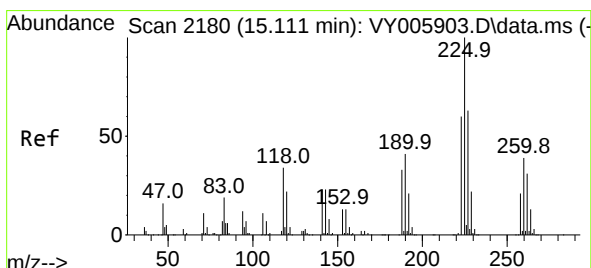
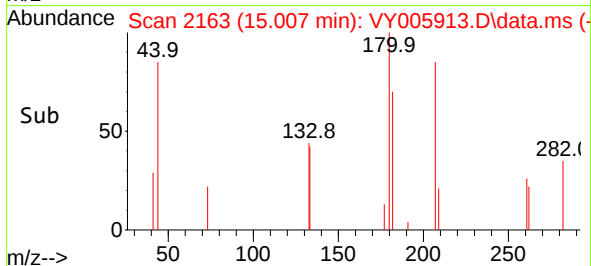
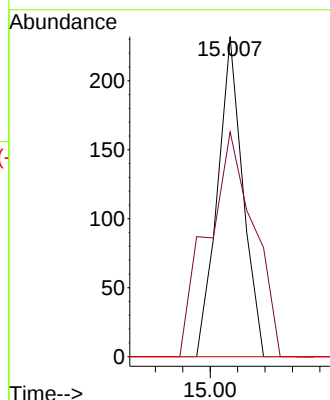
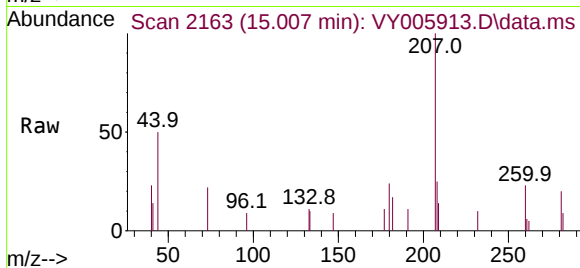
Delta R.T. 0.000 min

Lab File: VY005913.D

Acq: 31 Aug 2021 15:34

Tgt Ion:	180	Resp:	149
Ion Ratio	Lower	Upper	
180	100		
182	128.2	48.1	144.4
145	0.0	13.9	41.6#

Instrument :
MSVOA_Y
ClientSampleId :



#94

Hexachlorobutadiene

Concen: 2.026 ug/l

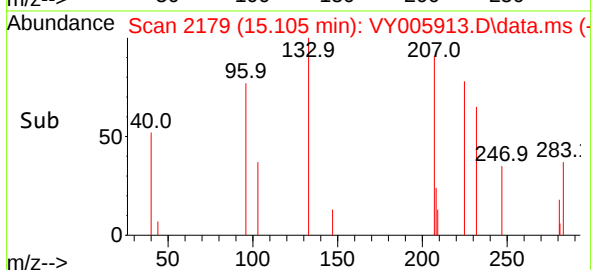
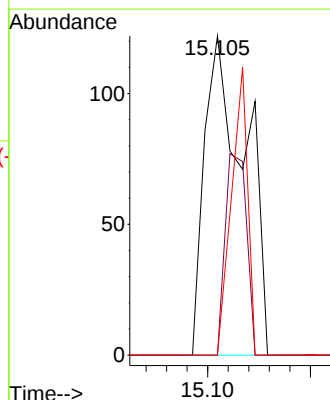
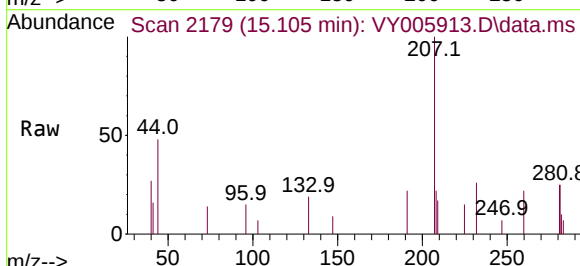
RT: 15.105 min Scan# 2179

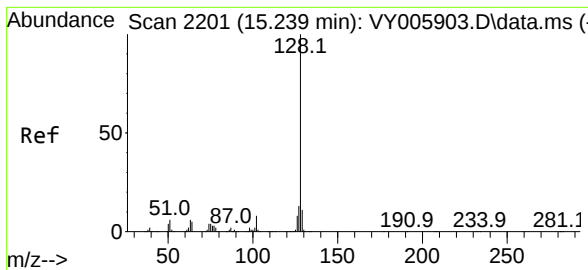
Delta R.T. -0.006 min

Lab File: VY005913.D

Acq: 31 Aug 2021 15:34

Tgt Ion:	225	Resp:	166
Ion Ratio	Lower	Upper	
225	100		
223	33.1	31.1	93.3
227	36.1	32.2	96.6





#95
Naphthalene
Concen: 1.490 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY005913.D
Acq: 31 Aug 2021 15:34

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 364
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.7 13.1#

