

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
 Data File : VY005223.D
 Acq On : 25 Jun 2021 13:20
 Operator : SY/MD
 Sample : M2832-01
 Misc : 5.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-WC

Quant Time: Jun 26 05:11:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:57:52 2021
 Response via : Initial Calibration

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

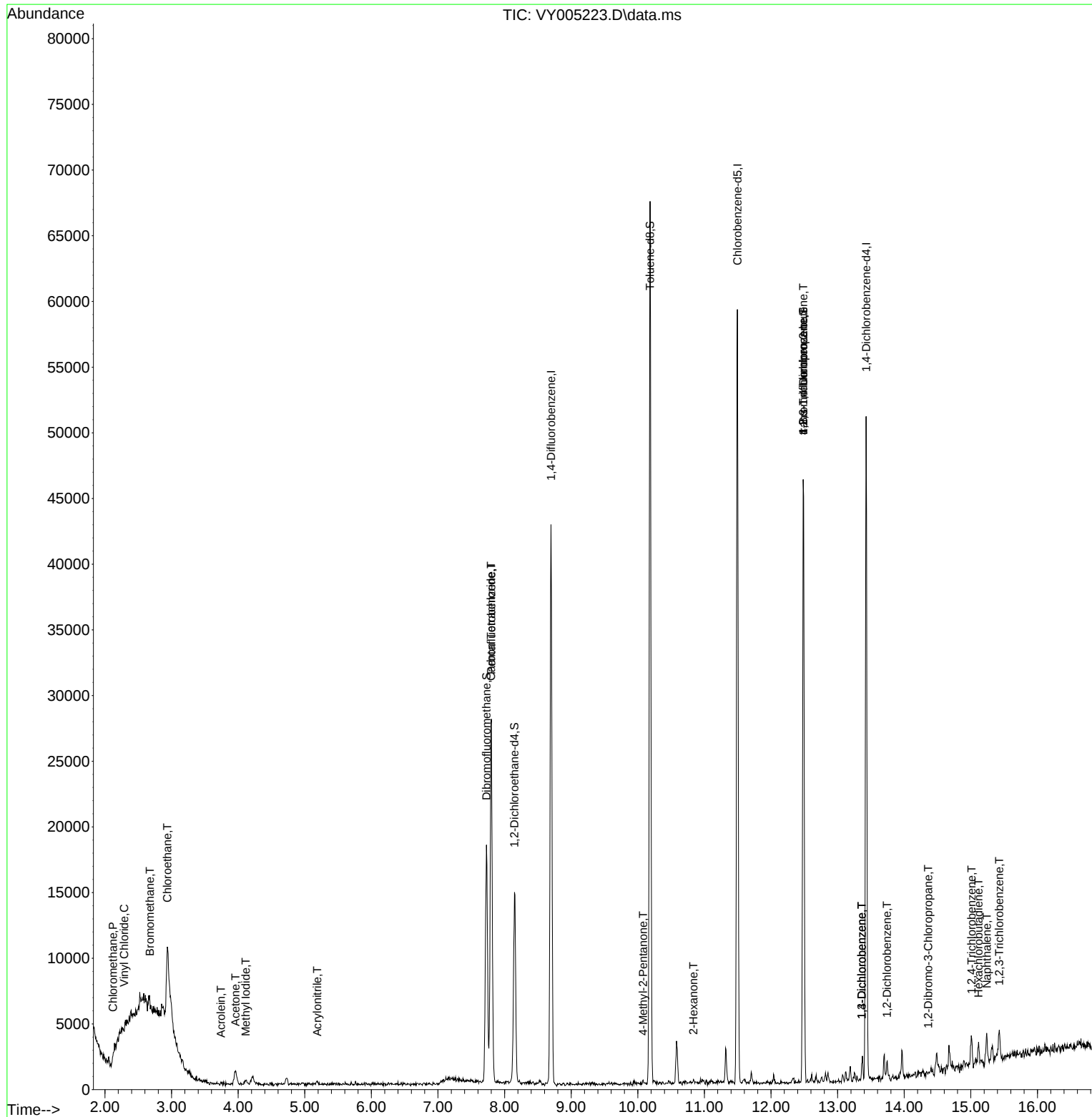
Internal Standards						
1) Pentafluorobenzene	7.801	168	23331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	37333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	34780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	14202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	11527	59.536	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.080%			
35) Dibromofluoromethane	7.728	113	12348	56.083	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.160%			
50) Toluene-d8	10.185	98	45180	51.312	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.620%			
62) 4-Bromofluorobenzene	12.483	95	12404	42.276	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.560%			
Target Compounds						Qvalue
3) Chloromethane	2.119	50	259	1.268	ug/l #	84
4) Vinyl Chloride	2.290	62	1114	4.769	ug/l #	84
5) Bromomethane	2.674	94	281	1.896	ug/l #	77
6) Chloroethane	2.936	64	12237	80.104	ug/l #	55
10) Methyl Iodide	4.113	142	545	2.004	ug/l #	71
11) Tert butyl alcohol	4.966	59	156	Below Cal	#	77
13) Acrolein	3.741	56	66	6.938	ug/l #	11
15) Acrylonitrile	5.186	53	138	2.543	ug/l #	71
16) Acetone	3.960	43	1974	44.134	ug/l	90
20) Methylene Chloride	4.734	84	368	Below Cal	#	65
38) Carbon Tetrachloride	7.795	117	1938	5.632	ug/l #	12
51) 4-Methyl-2-Pentanone	10.081	43	290	1.778	ug/l #	32
59) 2-Hexanone	10.837	43	120	1.070	ug/l #	20
76) 1,2,3-Trichloropropane	12.483	75	6442	51.145	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6442	95.425	ug/l #	17
87) 1,3-Dichlorobenzene	13.361	146	543	1.164	ug/l	96
88) 1,4-Dichlorobenzene	13.361	146	543	1.177	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	594	1.436	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.361	75	76	2.514	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.013	180	926	3.176	ug/l	95
94) Hexachlorobutadiene	15.117	225	463	2.537	ug/l	89
95) Naphthalene	15.239	128	1939	3.603	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.428	180	873	3.400	ug/l	92

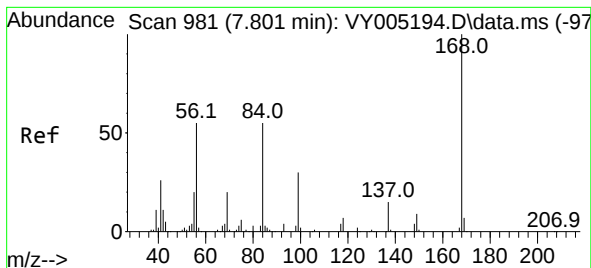
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
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Quant Title : SW846 8260
QLast Update : Wed Jun 23 07:57:52 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY005223.D

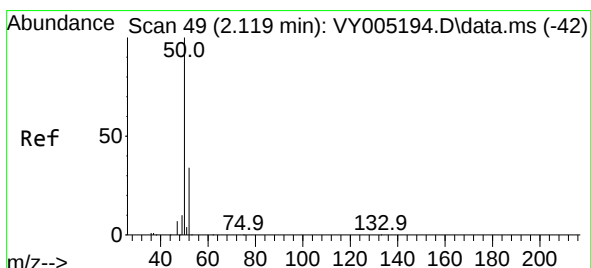
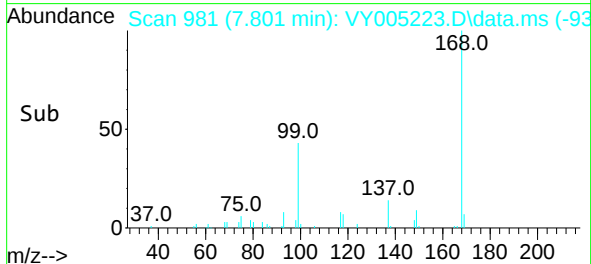
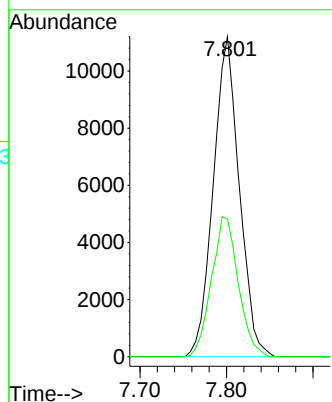
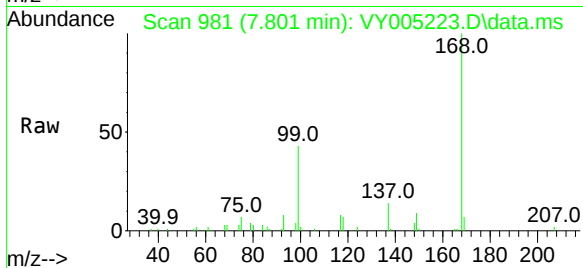
Acq: 25 Jun 2021 13:20

Tgt Ion:168 Resp: 23331

Ion Ratio Lower Upper

168 100

99 43.0 36.2 54.4



#3

Chloromethane

Concen: 1.268 ug/l

RT: 2.119 min Scan# 49

Delta R.T. -0.000 min

Lab File: VY005223.D

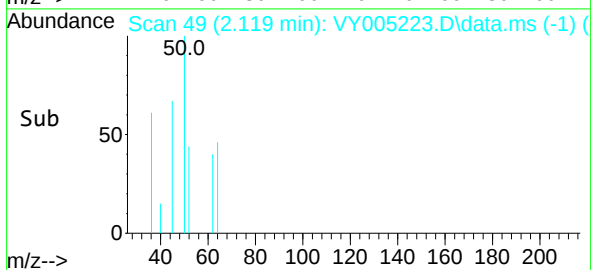
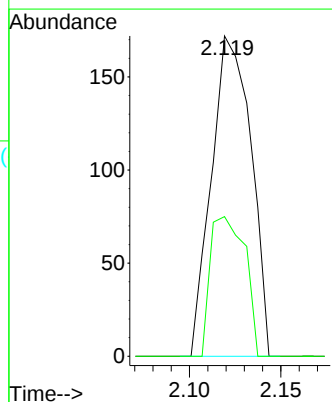
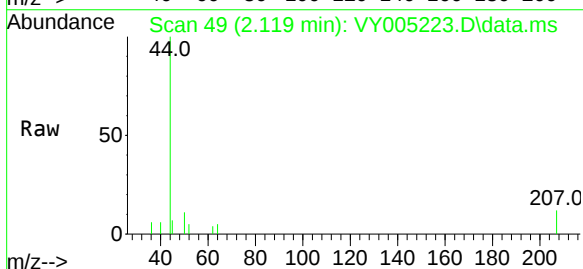
Acq: 25 Jun 2021 13:20

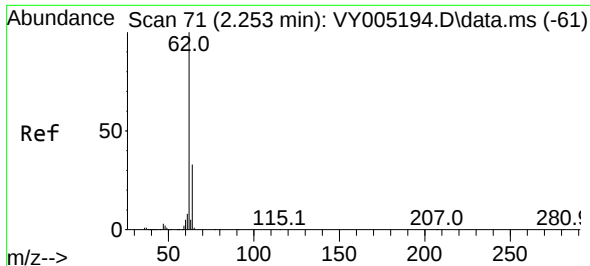
Tgt Ion: 50 Resp: 259

Ion Ratio Lower Upper

50 100

52 43.6 27.4 41.2#

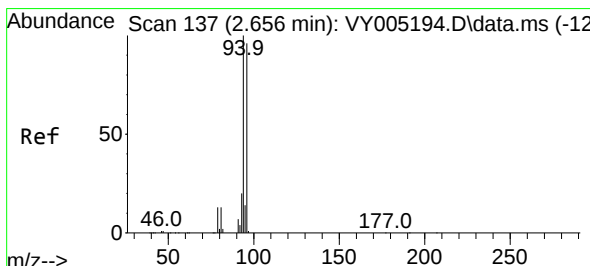
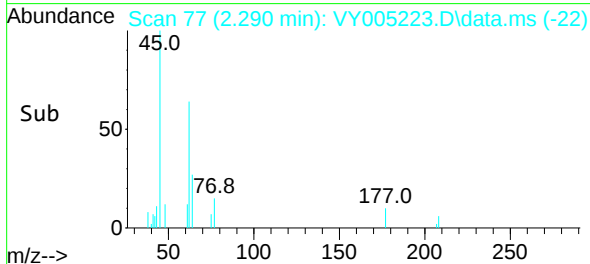
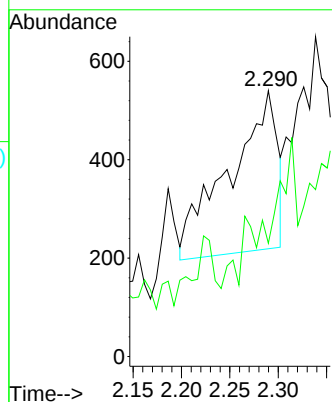
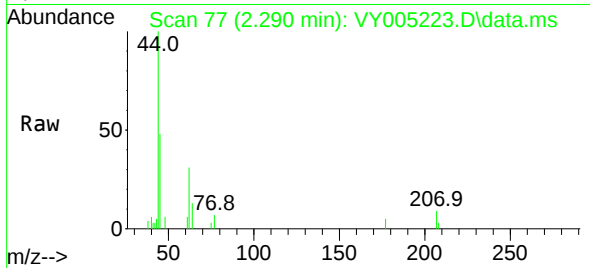




#4
 Vinyl Chloride
 Concen: 4.769 ug/l
 RT: 2.290 min Scan# 77
 Delta R.T. 0.037 min
 Lab File: VY005223.D
 Acq: 25 Jun 2021 13:20

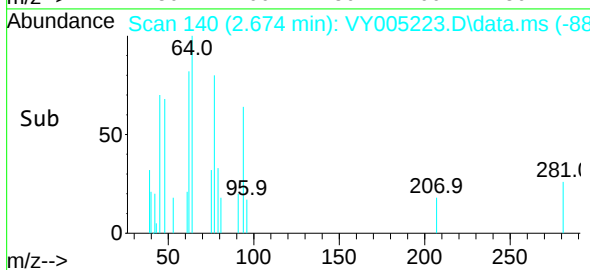
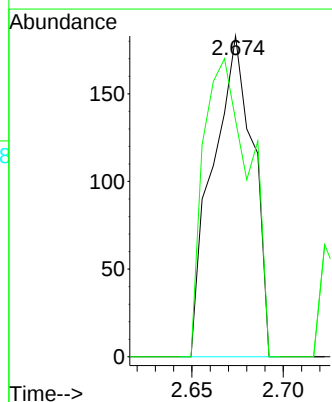
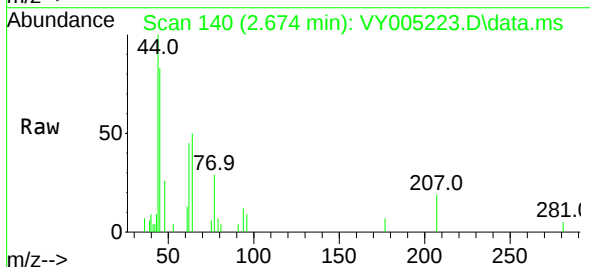
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-WC

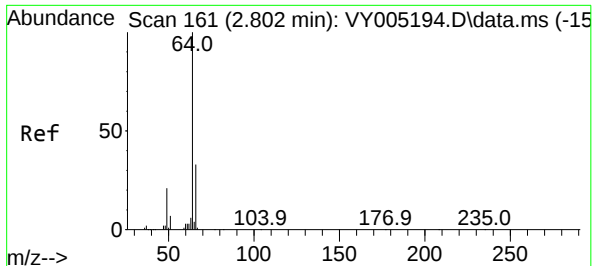
Tgt Ion: 62 Resp: 1114
 Ion Ratio Lower Upper
 62 100
 64 23.6 26.1 39.1#



#5
 Bromomethane
 Concen: 1.896 ug/l
 RT: 2.674 min Scan# 140
 Delta R.T. 0.018 min
 Lab File: VY005223.D
 Acq: 25 Jun 2021 13:20

Tgt Ion: 94 Resp: 281
 Ion Ratio Lower Upper
 94 100
 96 73.8 76.9 115.3#

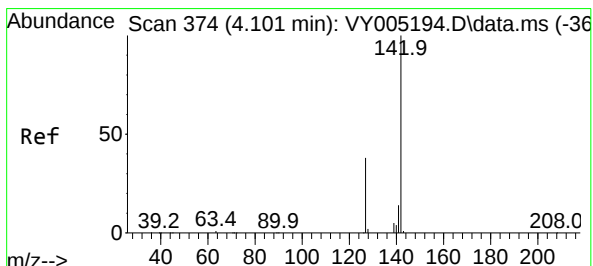
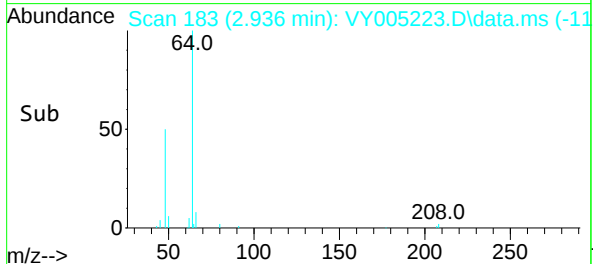
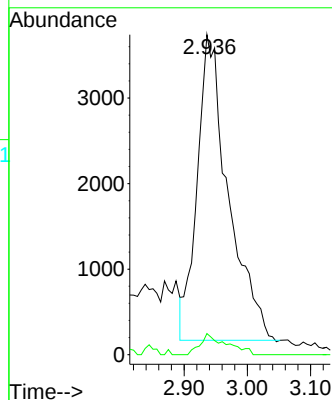
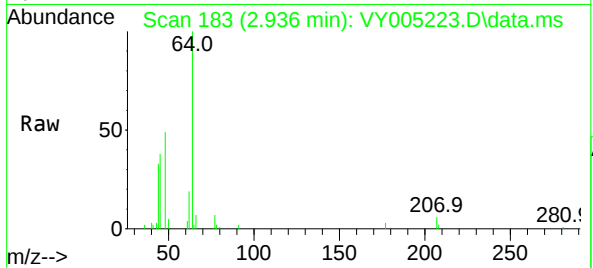




#6
Chloroethane
Concen: 80.104 ug/l
RT: 2.936 min Scan# 183
Delta R.T. 0.134 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

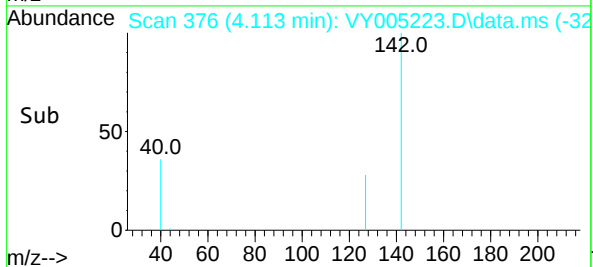
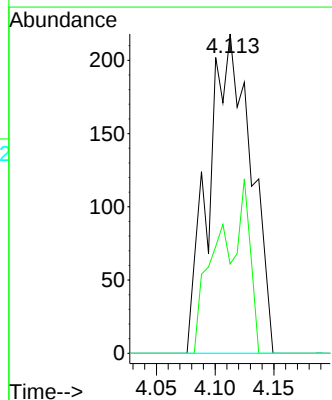
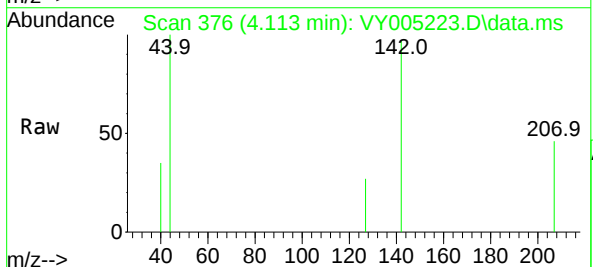
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-WC

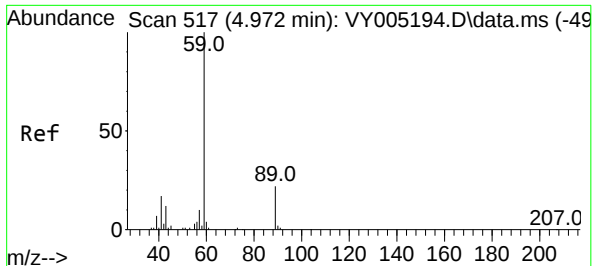
Tgt Ion: 64 Resp: 12237
Ion Ratio Lower Upper
64 100
66 6.9 25.9 38.9#



#10
Methyl Iodide
Concen: 2.004 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.012 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

Tgt Ion:142 Resp: 545
Ion Ratio Lower Upper
142 100
127 22.6 31.3 46.9#
141 0.0 11.3 16.9#

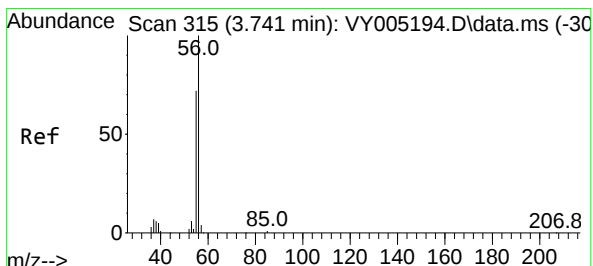
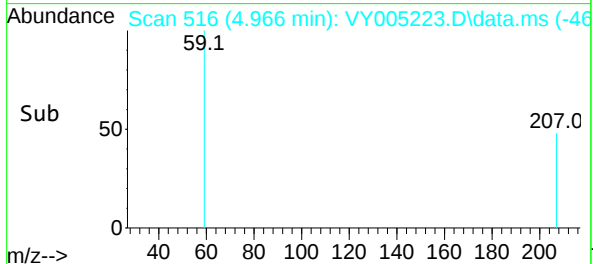
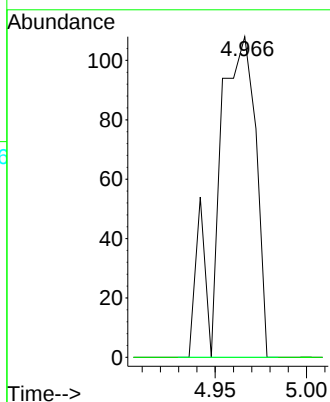
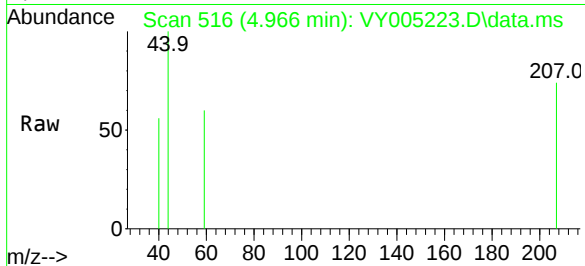




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

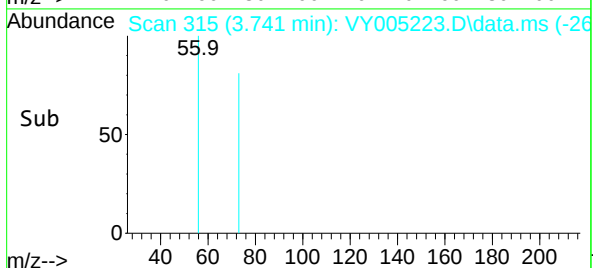
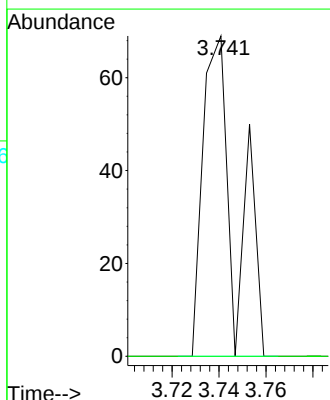
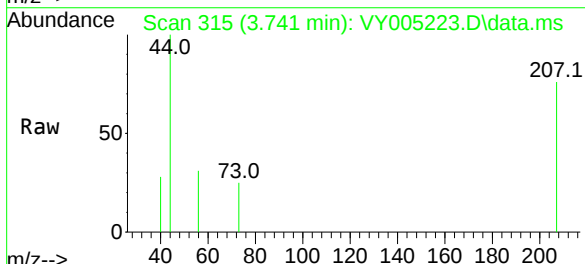
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-WC

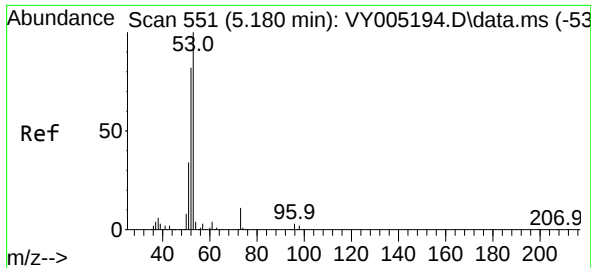
Tgt Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#



#13
Acrolein
Concen: 6.938 ug/l
RT: 3.741 min Scan# 315
Delta R.T. -0.000 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 0.0 61.0 91.6#

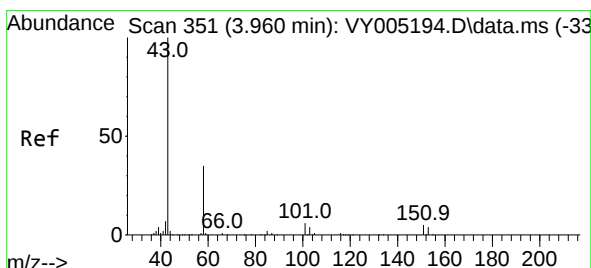
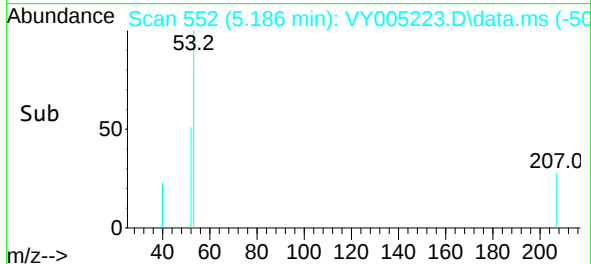
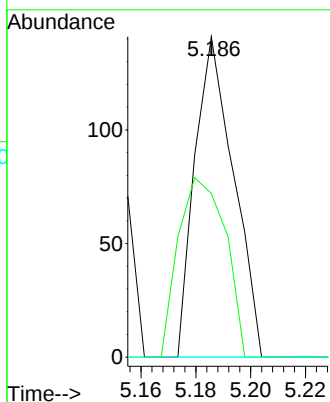
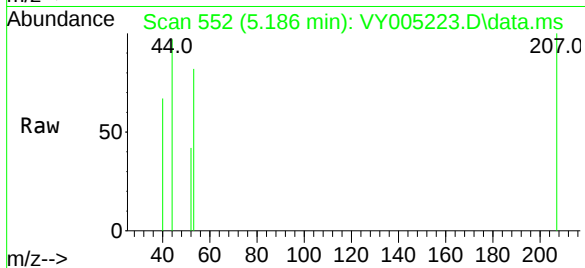




#15
Acrylonitrile
Concen: 2.543 ug/l
RT: 5.186 min Scan# 552
Delta R.T. 0.006 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

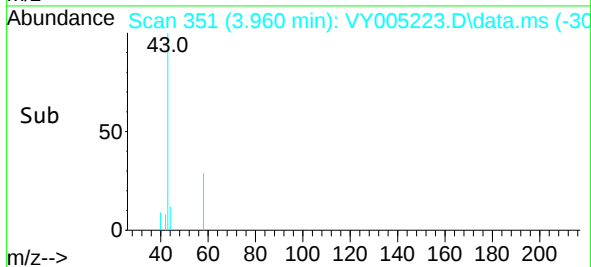
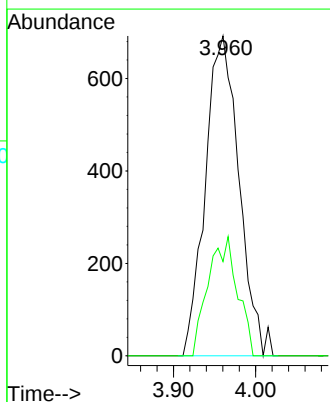
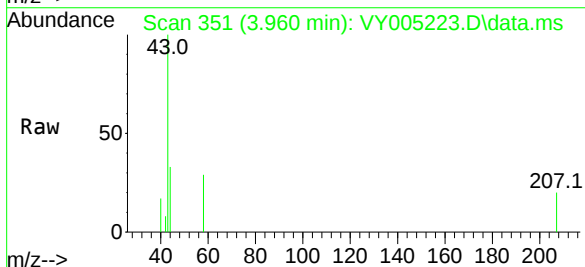
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-WC

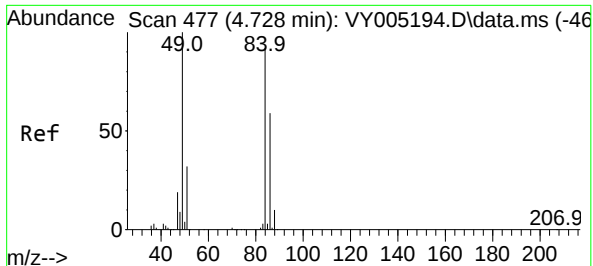
Tgt Ion: 53 Resp: 138
Ion Ratio Lower Upper
53 100
52 68.1 65.4 98.2
51 0.0 28.4 42.6#



#16
Acetone
Concen: 44.134 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

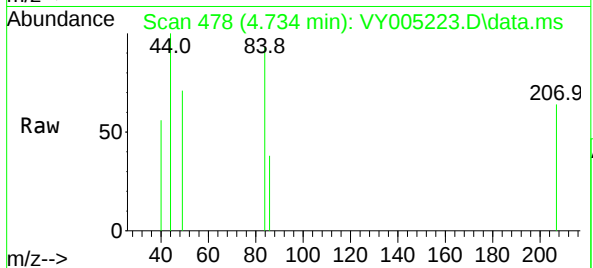
Tgt Ion: 43 Resp: 1974
Ion Ratio Lower Upper
43 100
58 29.5 28.2 42.2



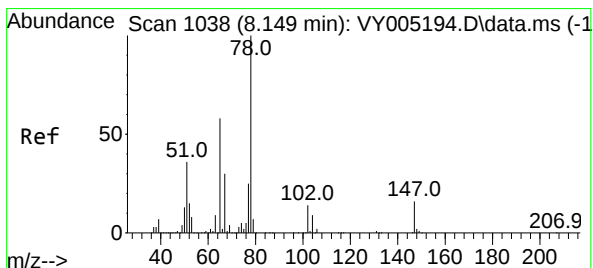
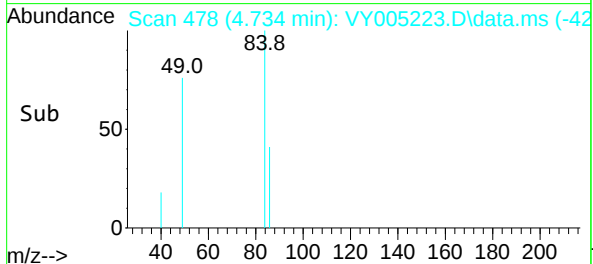
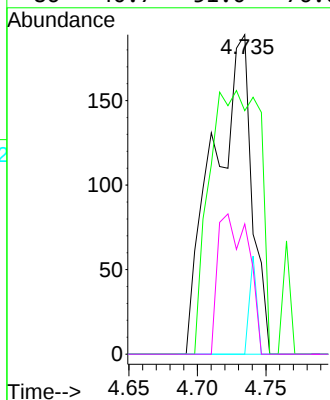


#20
Methylene Chloride
Concen: Below Cal
RT: 4.734 min Scan# 478
Delta R.T. 0.006 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

Instrument :
MSVOA_Y
ClientSampleId :
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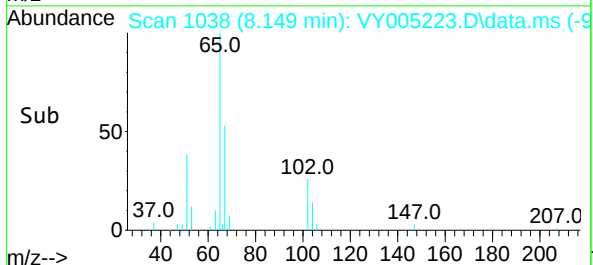
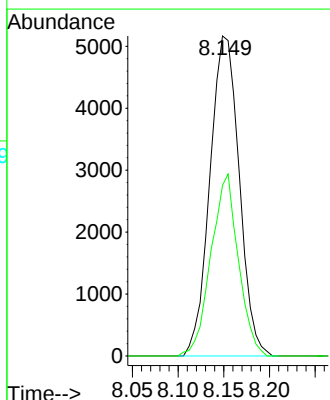
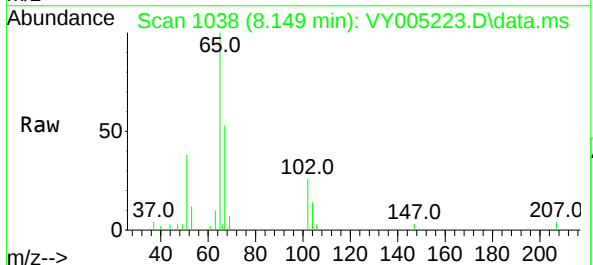


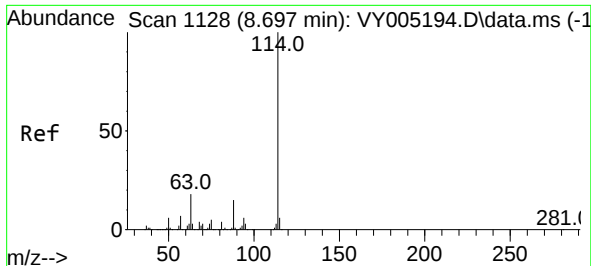
Tgt Ion: 84 Resp: 368
Ion Ratio Lower Upper
84 100
49 76.2 86.9 130.3#
51 0.0 27.4 41.2#
86 40.7 51.0 76.6#



#33
1,2-Dichloroethane-d4
Concen: 59.536 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

Tgt Ion: 65 Resp: 11527
Ion Ratio Lower Upper
65 100
67 53.0 0.0 110.6

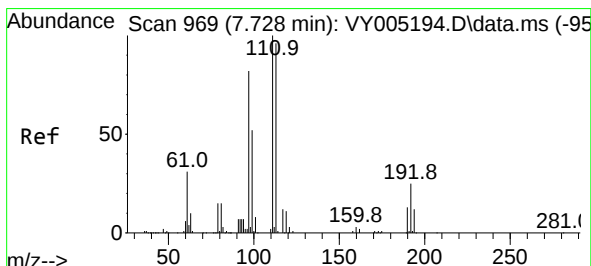
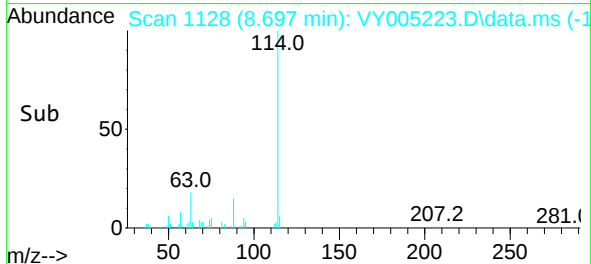
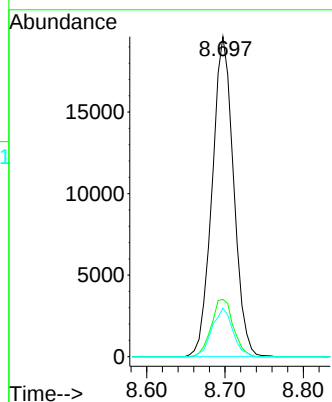
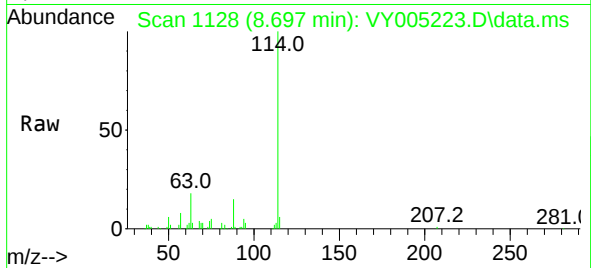




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

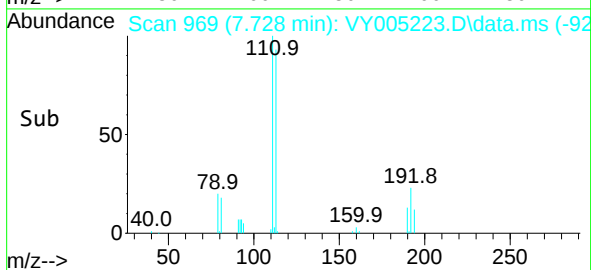
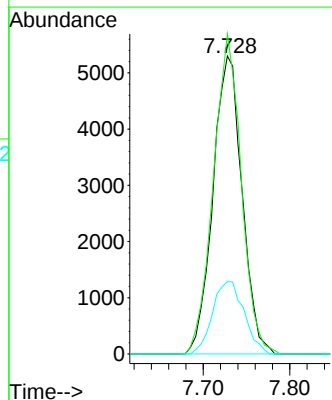
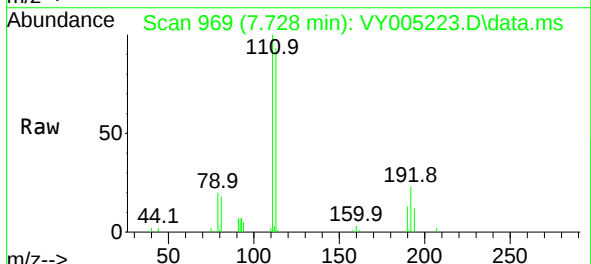
Instrument :
MSVOA_Y
ClientSampled :
TP-3-WC

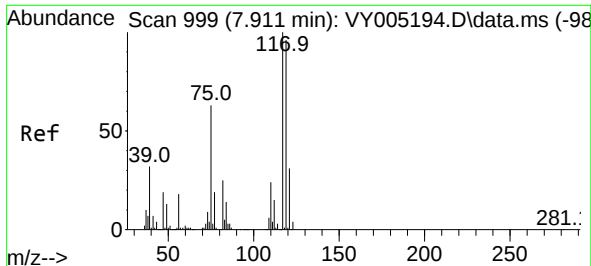
Tgt Ion:	114	Resp:	37333
Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	35.2
88	15.2	0.0	29.4



#35
Dibromofluoromethane
Concen: 56.083 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

Tgt Ion:	113	Resp:	12348
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	124.0
192	26.4	20.2	30.2

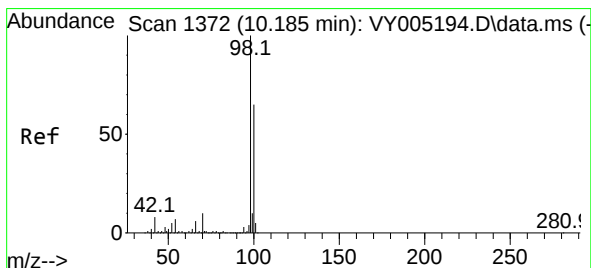
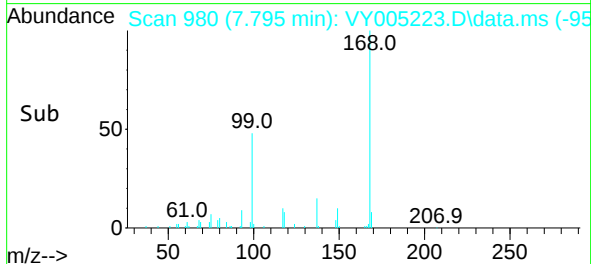
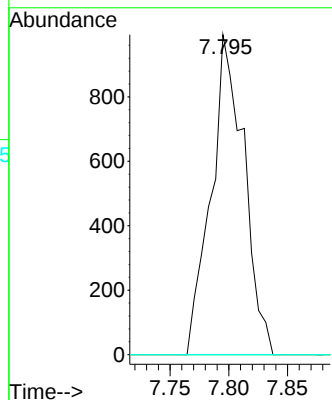
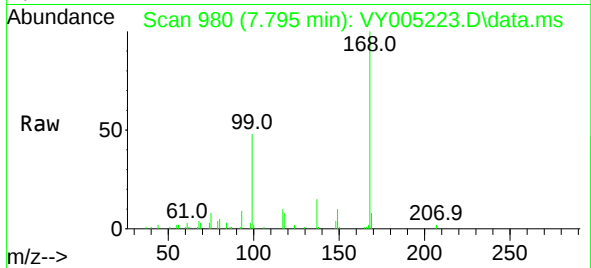




#38
Carbon Tetrachloride
Concen: 5.632 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

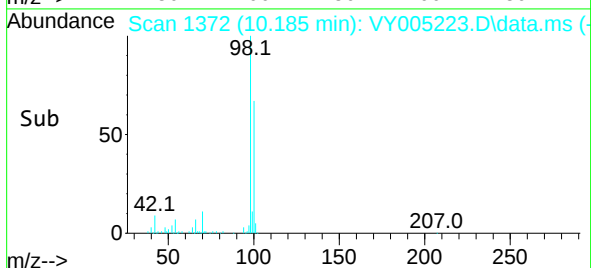
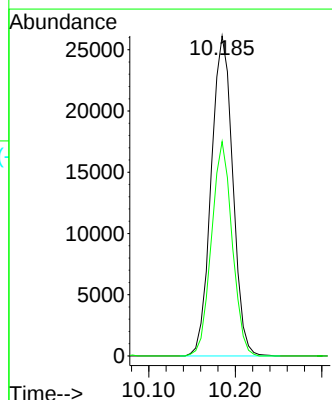
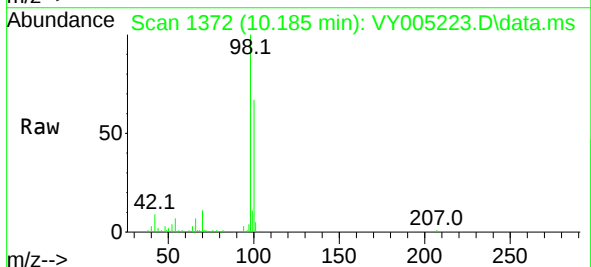
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-WC

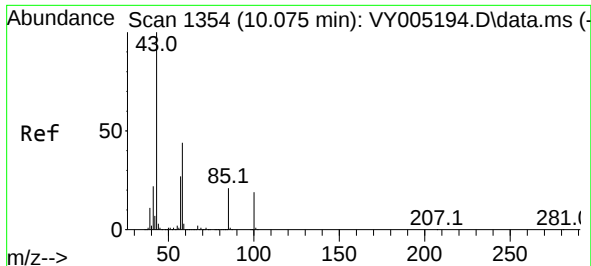
Tgt Ion:117 Resp: 1938
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.4#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.312 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

Tgt Ion: 98 Resp: 45180
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

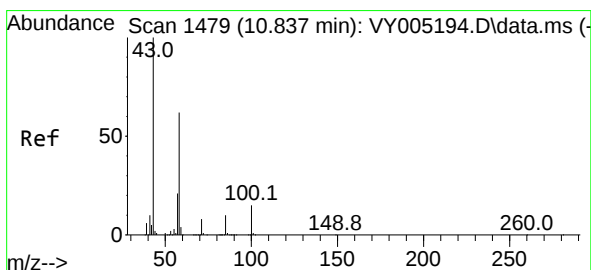
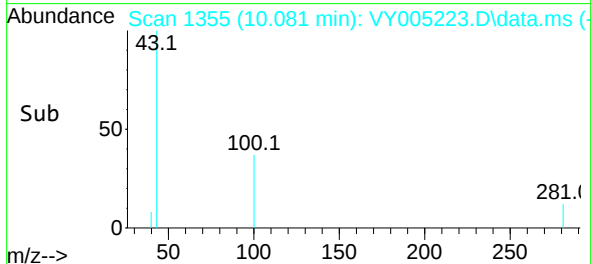
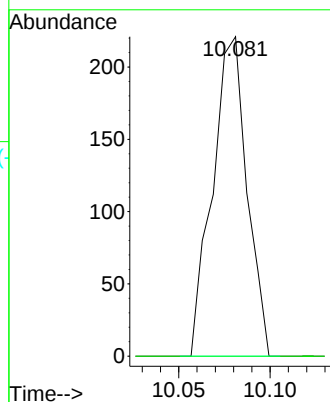
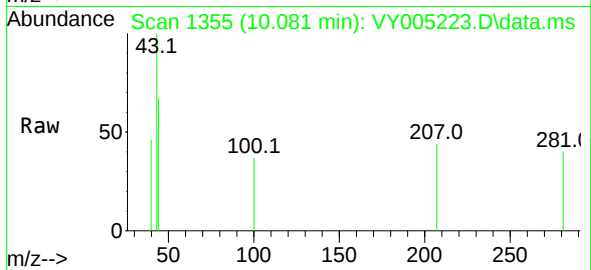




#51
4-Methyl-2-Pentanone
Concen: 1.778 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

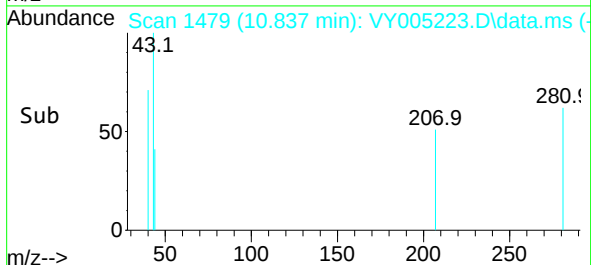
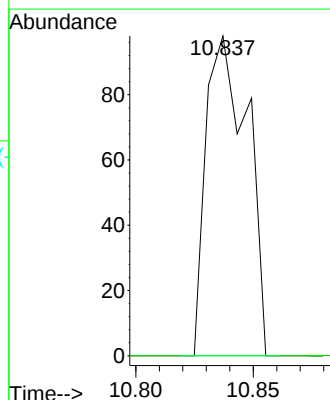
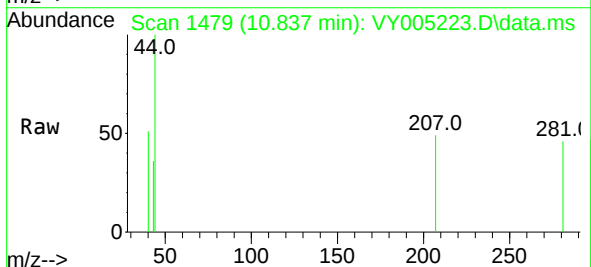
Instrument :
MSVOA_Y
ClientSampled :
TP-3-WC

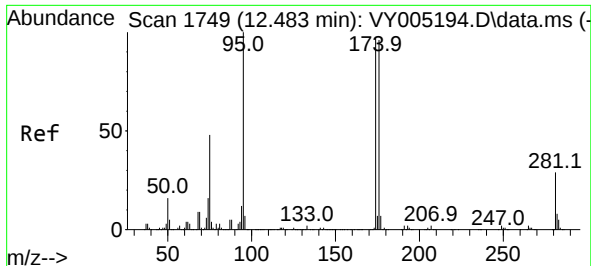
Tgt Ion: 43 Resp: 290
Ion Ratio Lower Upper
43 100
58 0.0 35.3 52.9#



#59
2-Hexanone
Concen: 1.070 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

Tgt Ion: 43 Resp: 120
Ion Ratio Lower Upper
43 100
58 0.0 30.8 92.4#

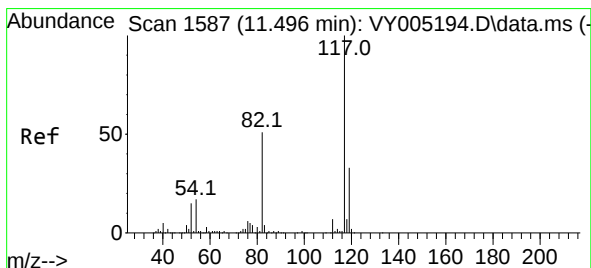
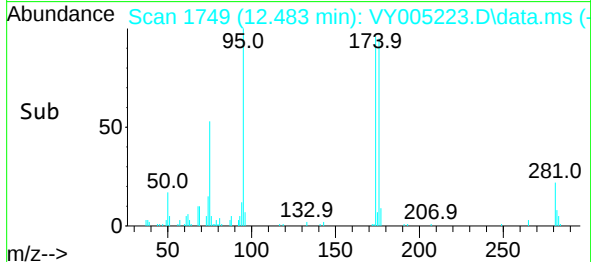
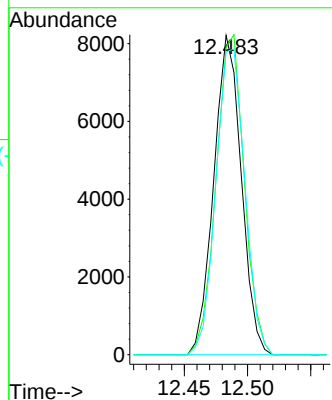
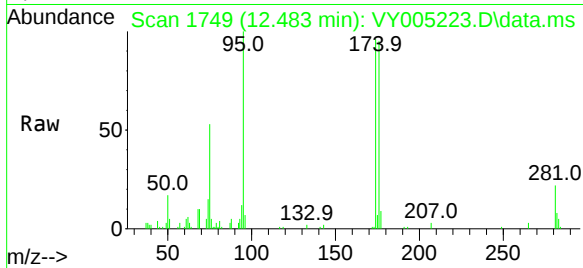




#62
4-Bromofluorobenzene
Concen: 42.276 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

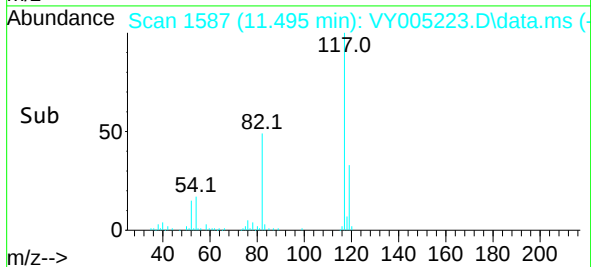
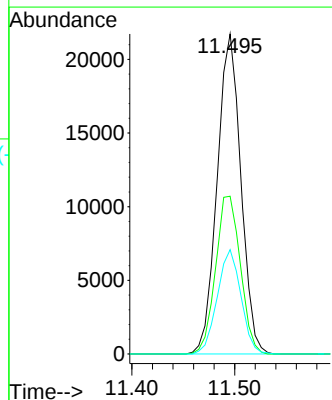
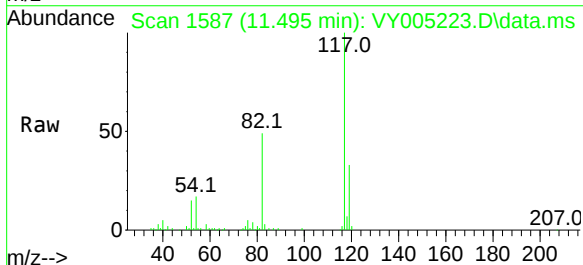
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-WC

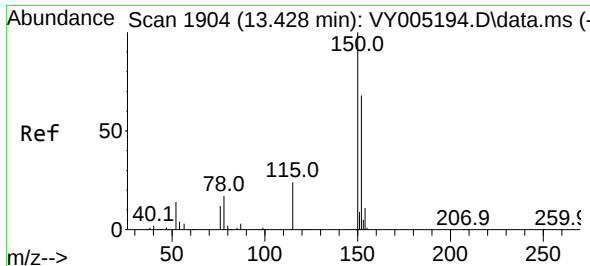
Tgt Ion:	95	Resp:	12404
Ion	Ratio	Lower	Upper
95	100		
174	102.7	0.0	201.6
176	100.9	0.0	197.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

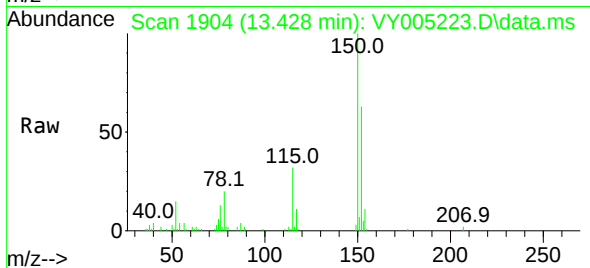
Tgt Ion:	117	Resp:	34780
Ion	Ratio	Lower	Upper
117	100		
82	49.3	40.6	60.8
119	32.6	26.1	39.1



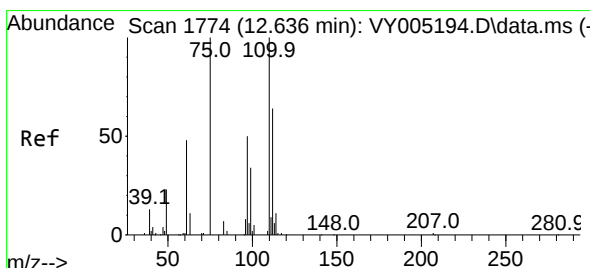
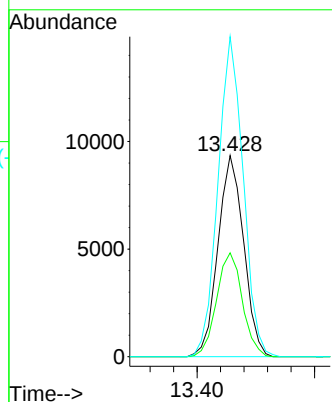
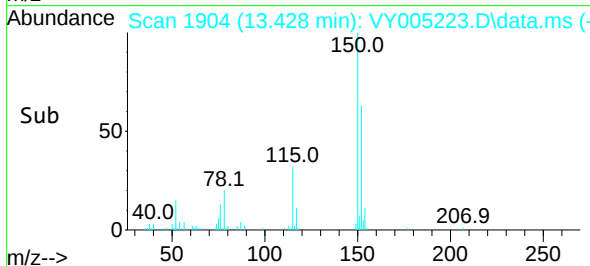


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY005223.D
 Acq: 25 Jun 2021 13:20

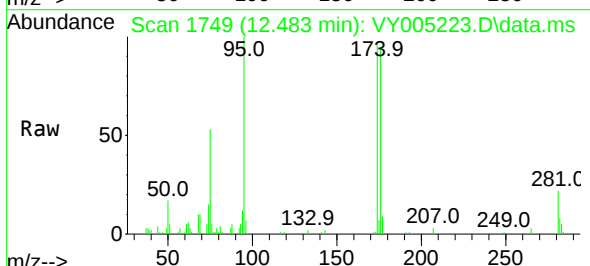
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-WC



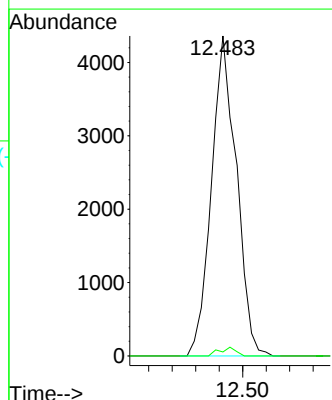
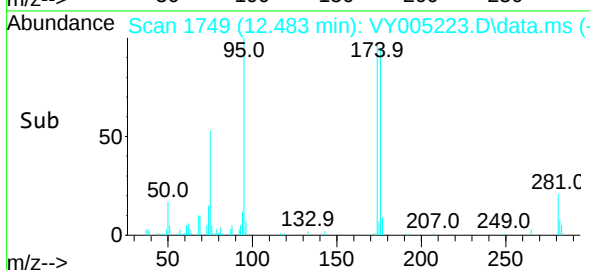
Tgt Ion:152 Resp: 14202
 Ion Ratio Lower Upper
 152 100
 115 51.7 26.3 78.8
 150 156.1 0.0 344.2

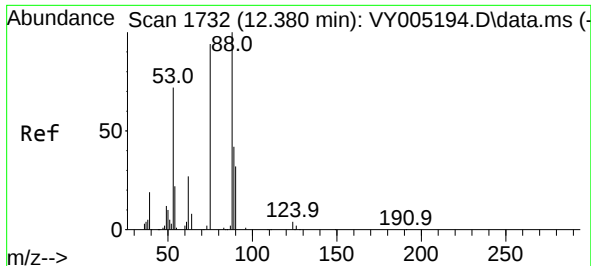


#76
 1,2,3-Trichloropropane
 Concen: 51.145 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY005223.D
 Acq: 25 Jun 2021 13:20



Tgt Ion: 75 Resp: 6442
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#

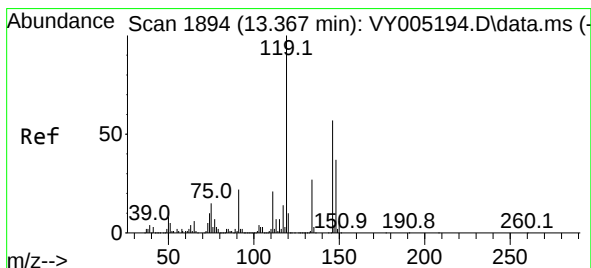
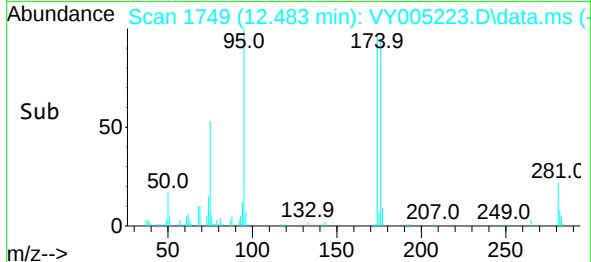
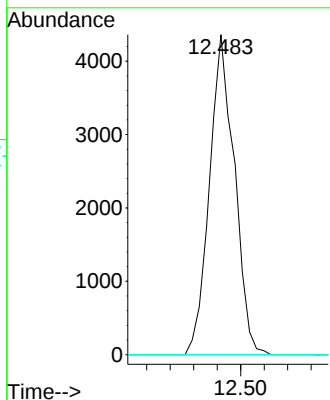
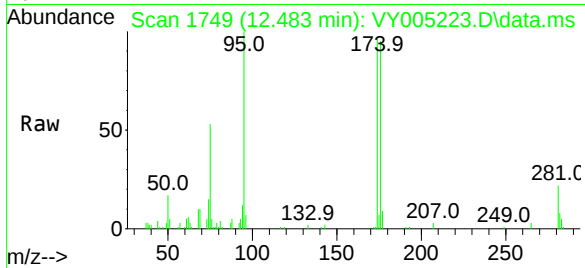




#81
trans-1,4-Dichloro-2-butene
Concen: 95.425 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

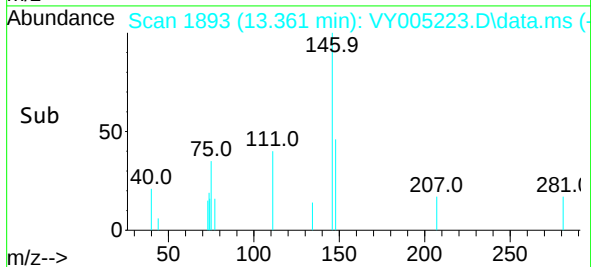
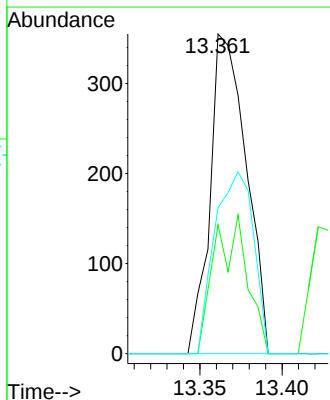
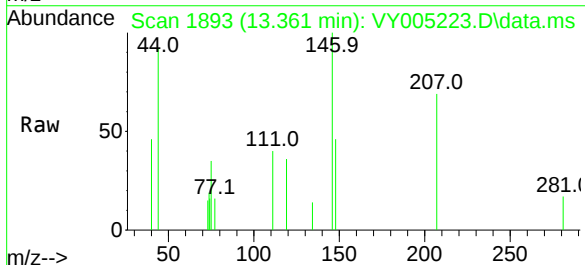
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-WC

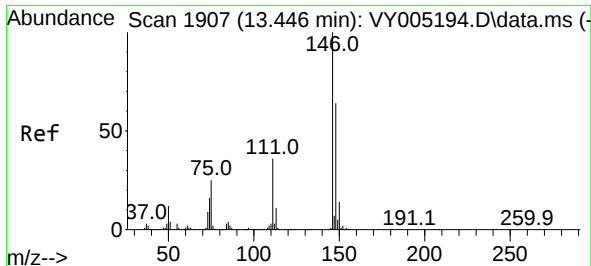
Tgt Ion: 75 Resp: 6442
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 38.0 57.0#



#87
1,3-Dichlorobenzene
Concen: 1.164 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

Tgt Ion: 146 Resp: 543
Ion Ratio Lower Upper
146 100
111 39.2 18.3 54.8
148 60.8 31.9 95.9

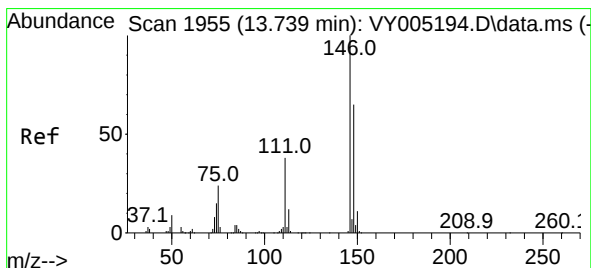
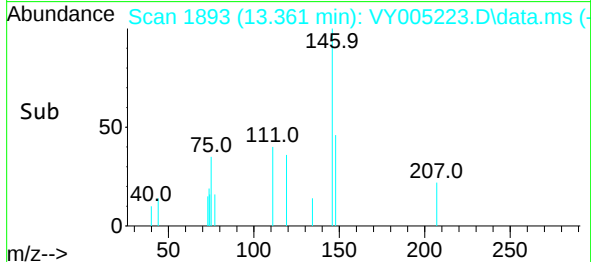
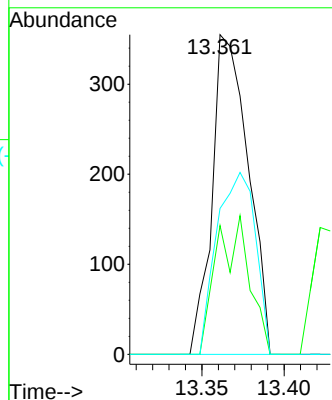
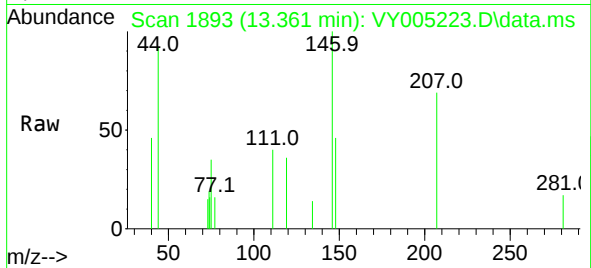




#88
 1,4-Dichlorobenzene
 Concen: 1.177 ug/l
 RT: 13.361 min Scan# 1893
 Delta R.T. -0.085 min
 Lab File: VY005223.D
 Acq: 25 Jun 2021 13:20

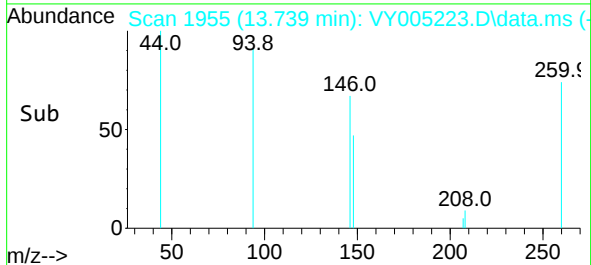
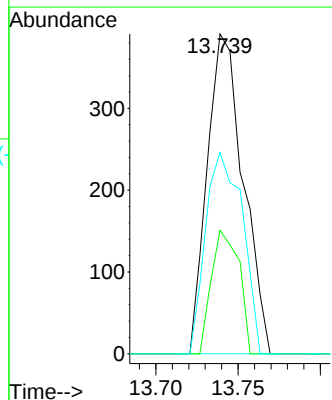
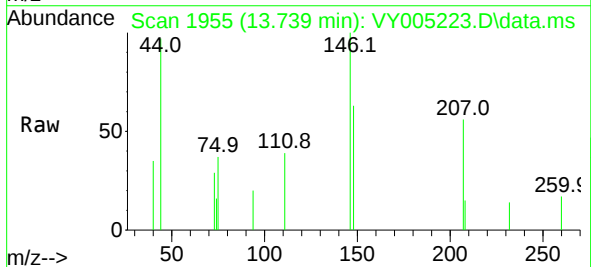
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-WC

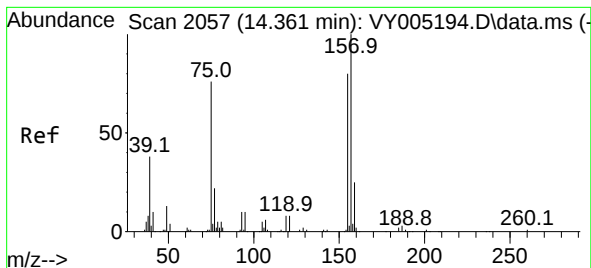
Tgt Ion:	146	Resp:	543
Ion	Ratio	Lower	Upper
146	100		
111	39.2	17.8	53.3
148	60.8	32.4	97.2



#91
 1,2-Dichlorobenzene
 Concen: 1.436 ug/l
 RT: 13.739 min Scan# 1955
 Delta R.T. -0.000 min
 Lab File: VY005223.D
 Acq: 25 Jun 2021 13:20

Tgt Ion:	146	Resp:	594
Ion	Ratio	Lower	Upper
146	100		
111	29.6	18.9	56.5
148	64.3	32.2	96.6

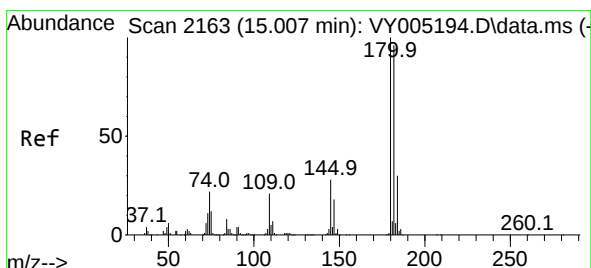
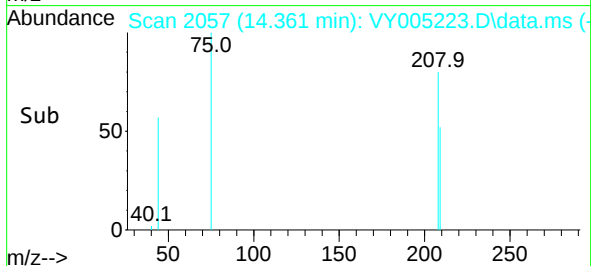
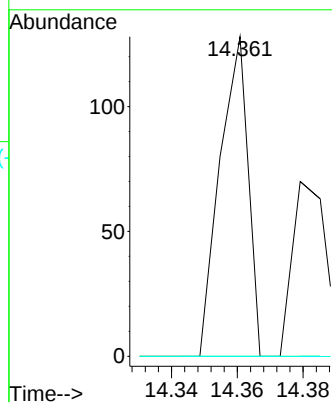
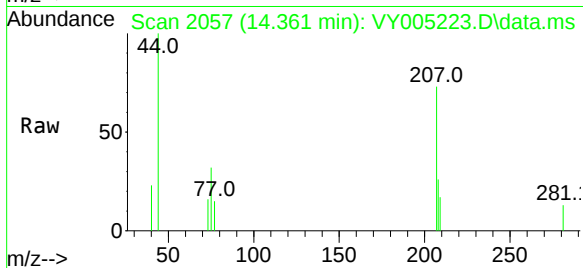




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.514 ug/l
 RT: 14.361 min Scan# 2057
 Delta R.T. -0.000 min
 Lab File: VY005223.D
 Acq: 25 Jun 2021 13:20

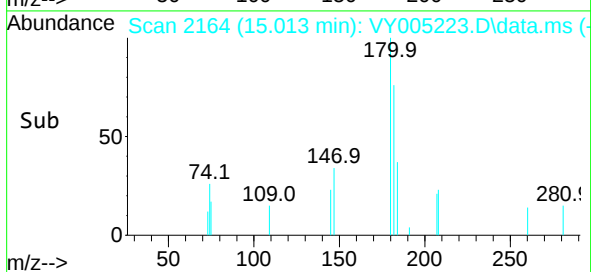
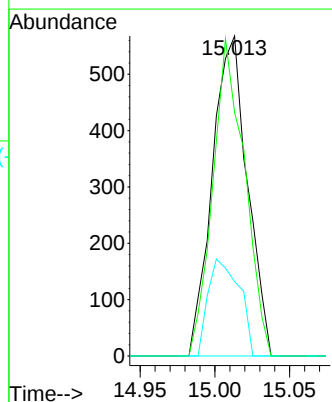
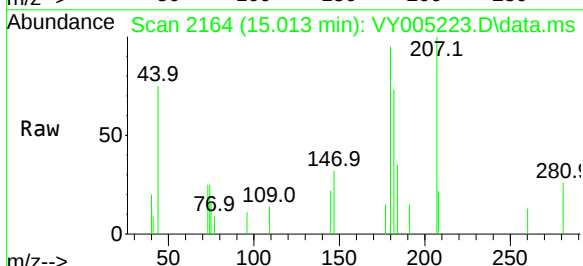
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-WC

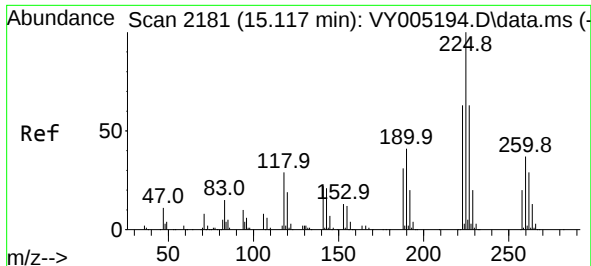
Tgt Ion: 75 Resp: 76
 Ion Ratio Lower Upper
 75 100
 155 0.0 52.4 157.3#
 157 0.0 67.3 201.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.176 ug/l
 RT: 15.013 min Scan# 2164
 Delta R.T. 0.006 min
 Lab File: VY005223.D
 Acq: 25 Jun 2021 13:20

Tgt Ion: 180 Resp: 926
 Ion Ratio Lower Upper
 180 100
 182 89.7 48.1 144.4
 145 27.0 13.6 40.8

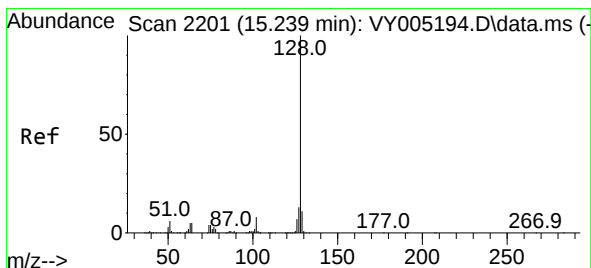
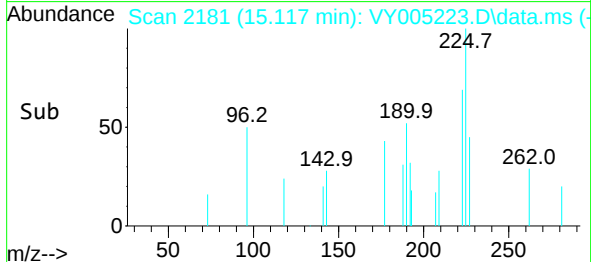
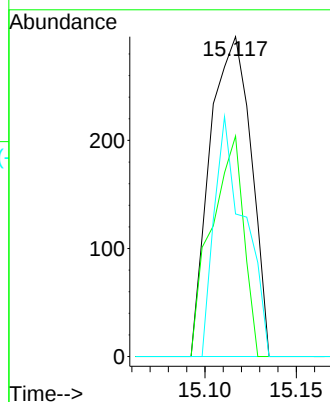
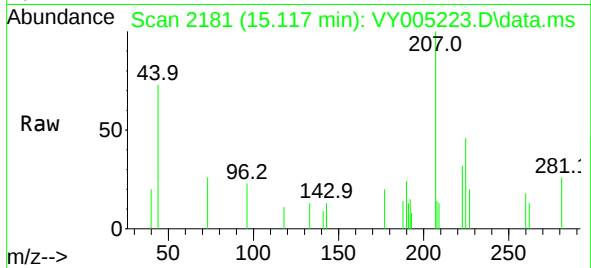




#94
Hexachlorobutadiene
Concen: 2.537 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. -0.000 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

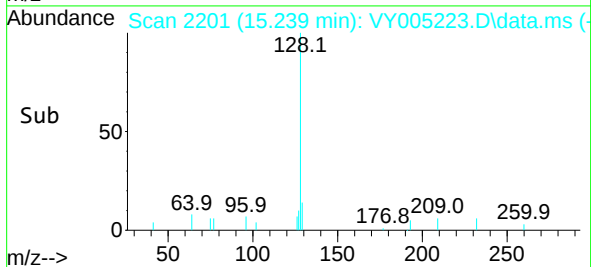
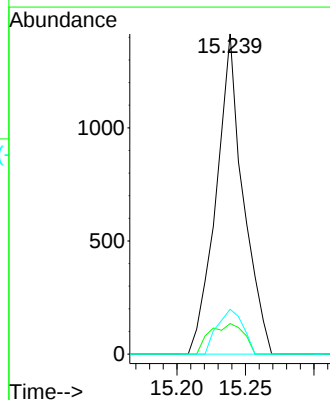
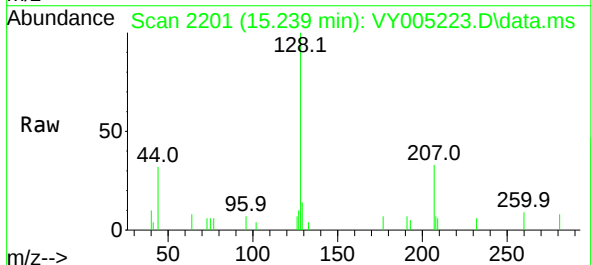
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-WC

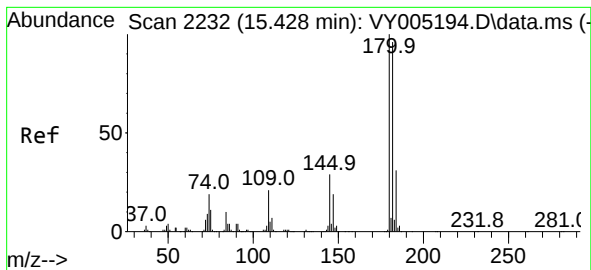
Tgt Ion:	225	Resp:	463
Ion	Ratio	Lower	Upper
225	100		
223	54.0	31.3	93.9
227	55.1	31.6	95.0



#95
Naphthalene
Concen: 3.603 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY005223.D
Acq: 25 Jun 2021 13:20

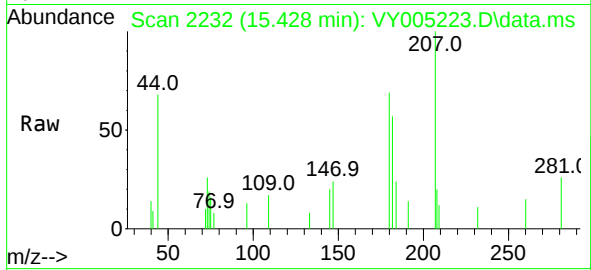
Tgt Ion:	128	Resp:	1939
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.2	15.4
129	13.3	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.400 ug/l
 RT: 15.428 min Scan# 2232
 Delta R.T. -0.000 min
 Lab File: VY005223.D
 Acq: 25 Jun 2021 13:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-WC



Tgt Ion:	180	Resp:	873
Ion	Ratio	Lower	Upper
180	100		
182	102.6	47.7	143.1
145	32.8	14.1	42.4

