

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042121\
 Data File : VY004550.D
 Acq On : 21 Apr 2021 13:03
 Operator : SY/MD
 Sample : M2103-01
 Misc : 6.72G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 22 11:06:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 22 08:25:55 2021
 Response via : Initial Calibration

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

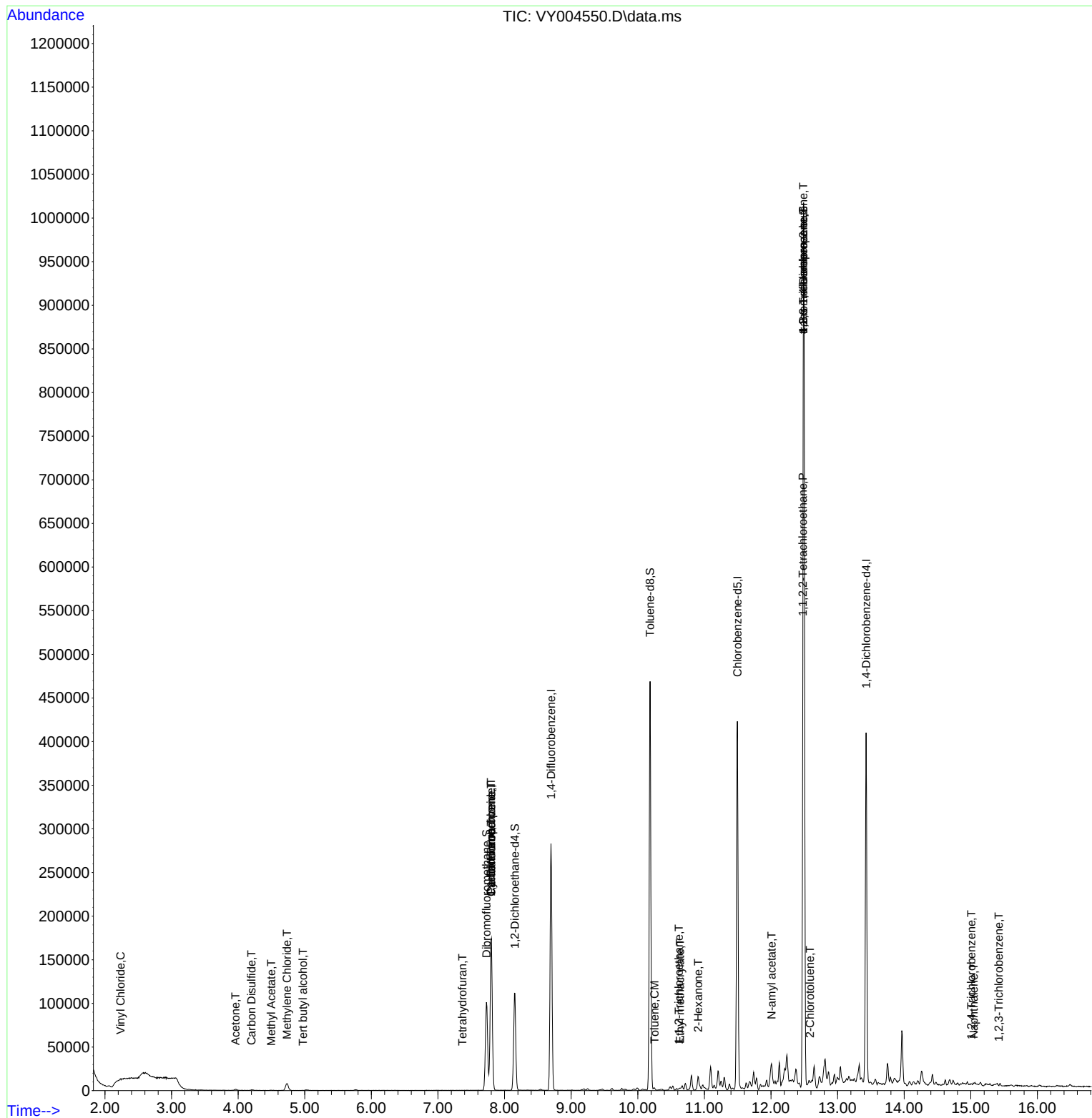
Internal Standards						
1) Pentafluorobenzene	7.801	168	129399	50.00	ug/l	0.21
34) 1,4-Difluorobenzene	8.697	114	227503	50.00	ug/l	0.18
63) Chlorobenzene-d5	11.496	117	215217	50.00	ug/l	0.15
72) 1,4-Dichlorobenzene-d4	13.428	152	95324	50.00	ug/l	0.14
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	86440	54.68	ug/l	0.20
Spiked Amount 50.000			Recovery	=	109.36%	
35) Dibromofluoromethane	7.728	113	69318	48.66	ug/l	0.22
Spiked Amount 50.000			Recovery	=	97.32%	
50) Toluene-d8	10.185	98	281559	50.68	ug/l	0.16
Spiked Amount 50.000			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.483	95	99560	52.32	ug/l	0.14
Spiked Amount 50.000			Recovery	=	104.64%	
Target Compounds					Qvalue	
4) Vinyl Chloride	2.235	62	494	0.27	ug/l #	43
11) Tert butyl alcohol	4.972	59	120	0.60	ug/l #	73
16) Acetone	3.960	43	2086	3.53	ug/l	96
17) Carbon Disulfide	4.198	76	1348	0.33	ug/l #	89
18) Methyl Acetate	4.497	43	514	0.31	ug/l #	51
20) Methylene Chloride	4.735	84	5851	3.33	ug/l #	92
29) Tetrahydrofuran	7.368	42	222	0.38	ug/l #	32
31) Cyclohexane	7.795	56	3132	1.22	ug/l #	45
36) 1,1-Dichloropropene	7.795	75	10624	5.02	ug/l #	48
38) Carbon Tetrachloride	7.795	117	13577	6.74	ug/l #	16
52) Toluene	10.252	92	1121	0.28	ug/l	96
55) 1,1,2-Trichloroethane	10.618	97	610	0.39	ug/l #	15
56) Ethyl methacrylate	10.636	69	243	3.24	ug/l #	1
59) 2-Hexanone	10.904	43	3935	19.10	ug/l #	37
74) N-amyl acetate	12.008	43	5184	3.22	ug/l #	8
75) 1,1,2,2-Tetrachloroethane	12.477	83	478	0.21	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	62064	30.43	ug/l #	100
79) 2-Chlorotoluene	12.587	91	51	0.95	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.483	75	62070	88.43	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.007	180	134	2.07	ug/l #	1
95) Naphthalene	15.044	128	105	1.87	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.422	180	209	1.48	ug/l #	1

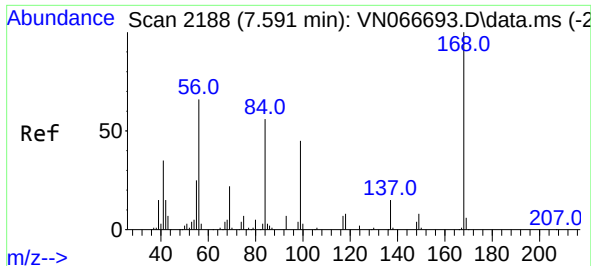
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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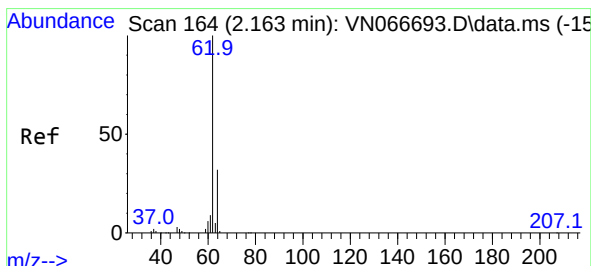
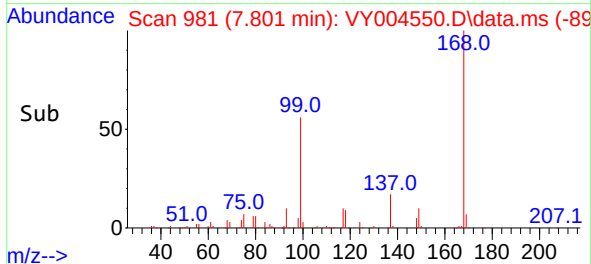
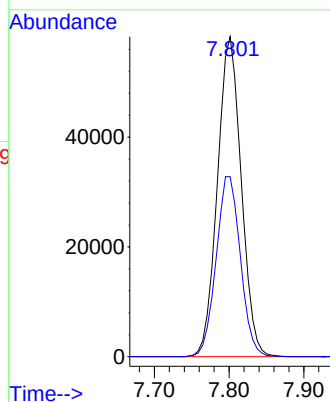
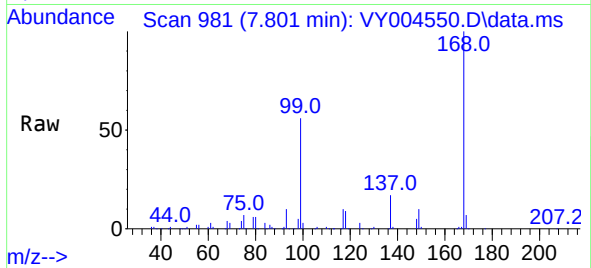




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.210 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

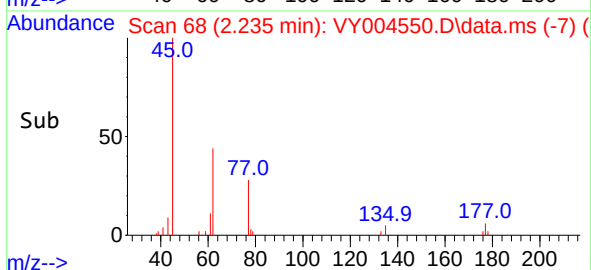
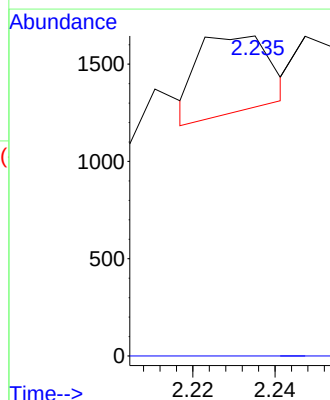
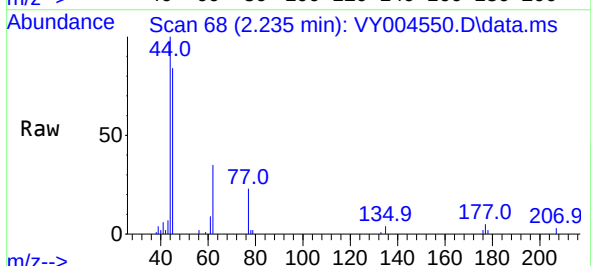
Instrument :
MSVOA_Y
ClientSampled :

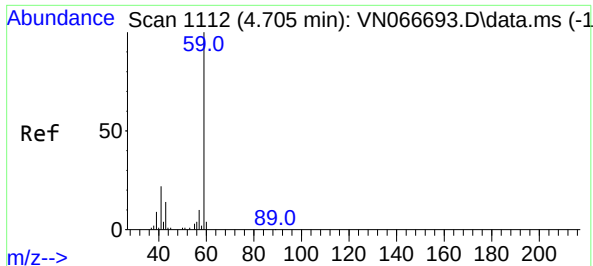
Tgt Ion:168 Resp: 129399
Ion Ratio Lower Upper
168 100
99 56.3 42.6 63.8



#4
Vinyl Chloride
Concen: 0.27 ug/l
RT: 2.235 min Scan# 68
Delta R.T. 0.072 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

Tgt Ion: 62 Resp: 494
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#

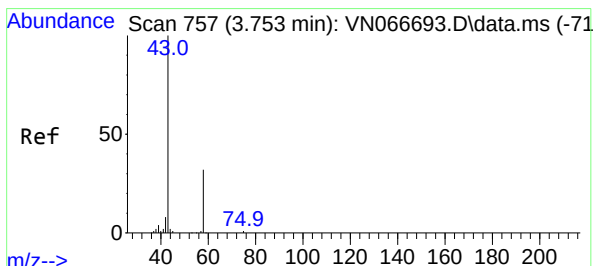
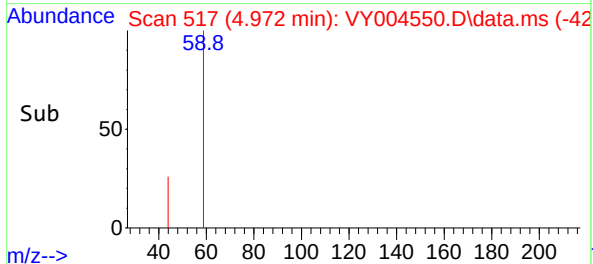
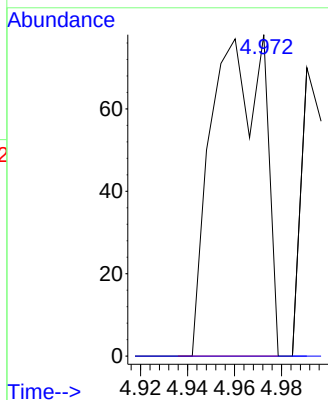
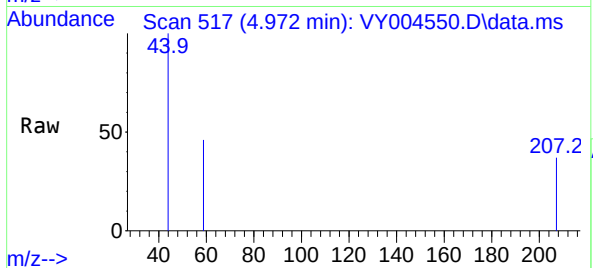




#11
Tert butyl alcohol
Concen: 0.60 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.267 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

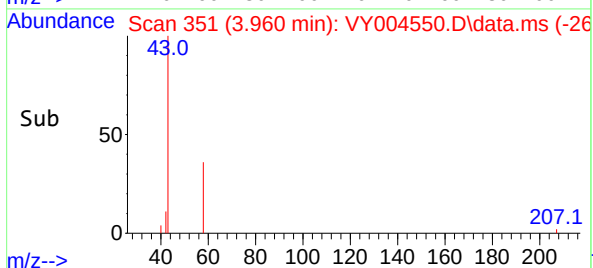
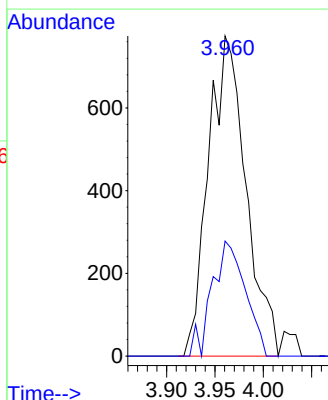
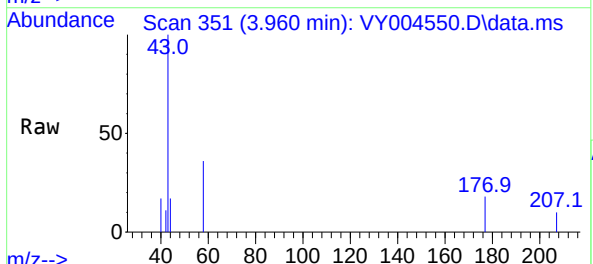
Instrument :
MSVOA_Y
ClientSampled :

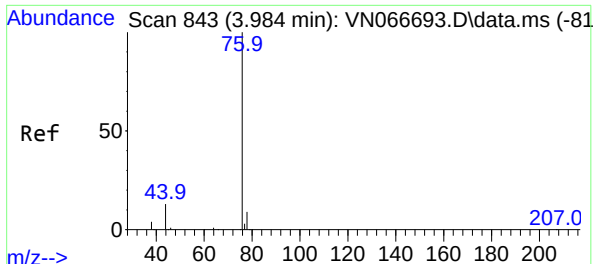
Tgt Ion: 59 Resp: 120
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 3.53 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.207 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

Tgt Ion: 43 Resp: 2086
Ion Ratio Lower Upper
43 100
58 35.9 27.0 40.6

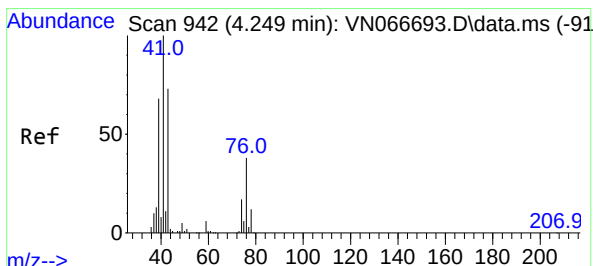
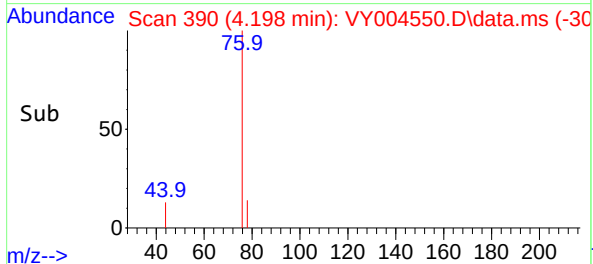
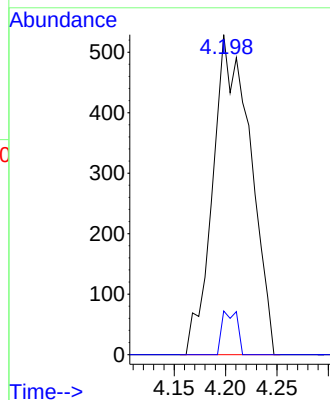
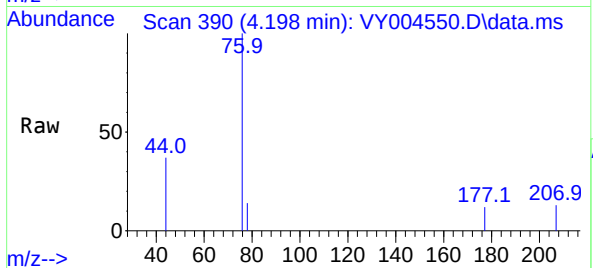




#17
Carbon Disulfide
Concen: 0.33 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.214 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

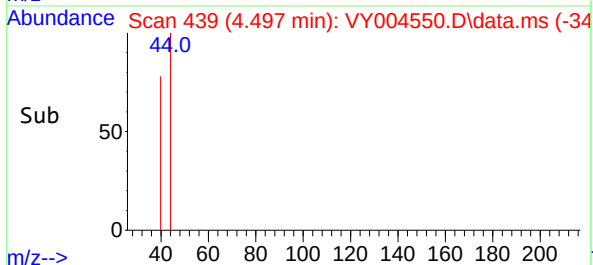
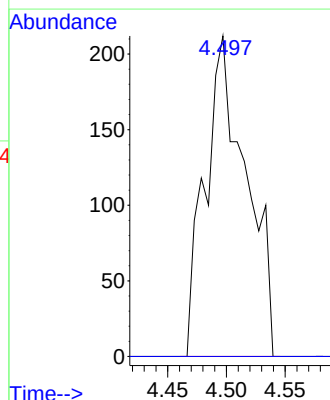
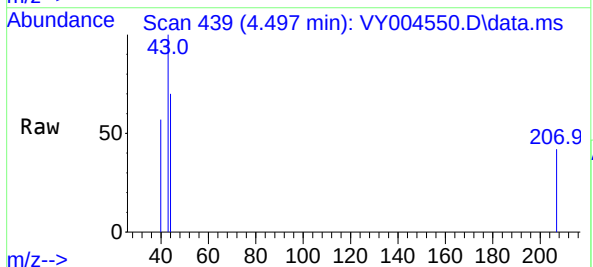
Instrument :
MSVOA_Y
ClientSampled :

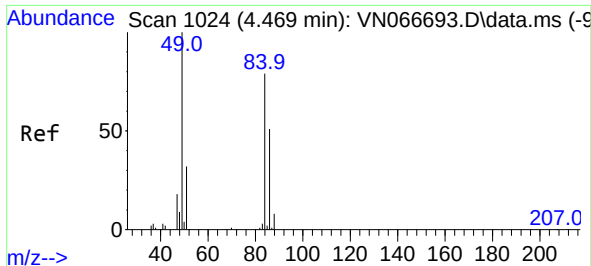
Tgt Ion: 76 Resp: 1348
Ion Ratio Lower Upper
76 100
78 13.6 7.8 11.6#



#18
Methyl Acetate
Concen: 0.31 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.248 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

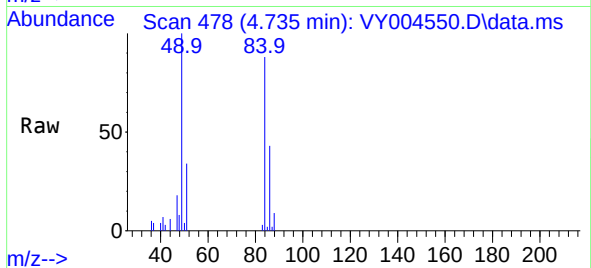
Tgt Ion: 43 Resp: 514
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



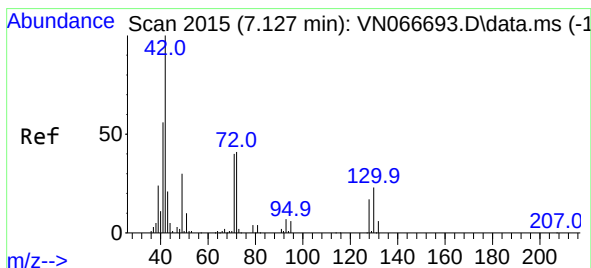
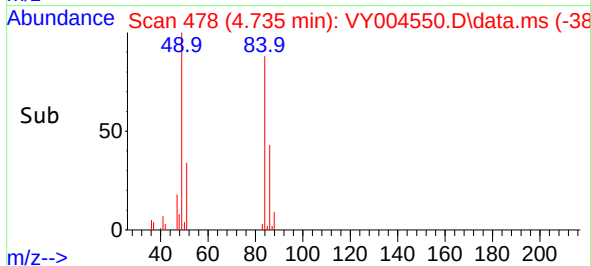
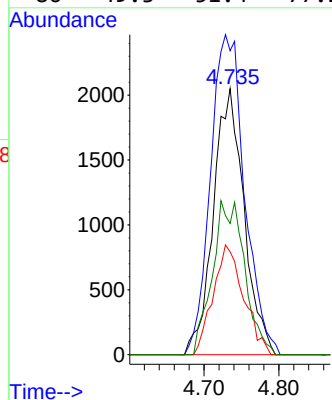


#20
Methylene Chloride
Concen: 3.33 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.266 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

Instrument :
MSVOA_Y
ClientSampleId :

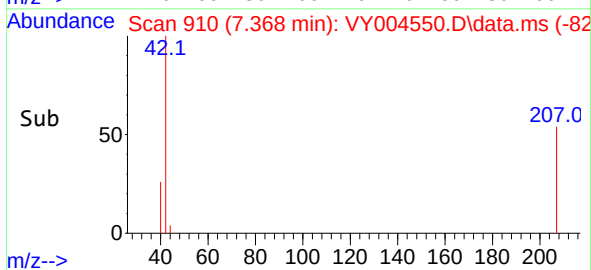
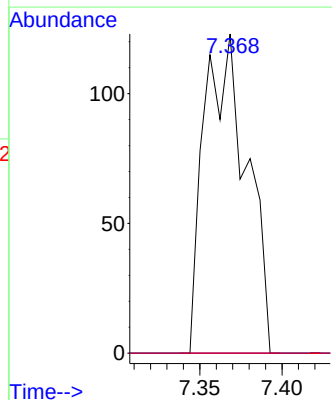
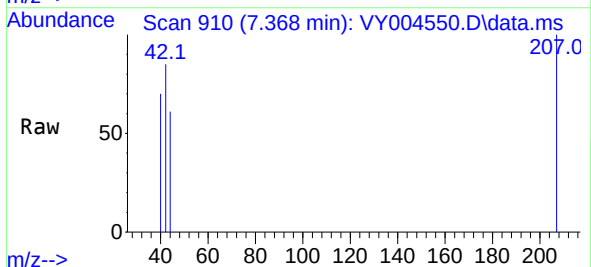


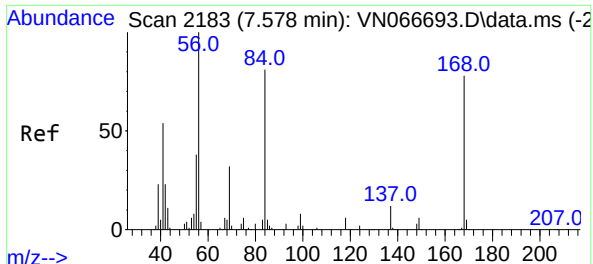
Tgt Ion: 84 Resp: 5851
Ion Ratio Lower Upper
84 100
49 114.2 94.6 141.8
51 38.7 29.9 44.9
86 49.3 51.4 77.2#



#29
Tetrahydrofuran
Concen: 0.38 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.241 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

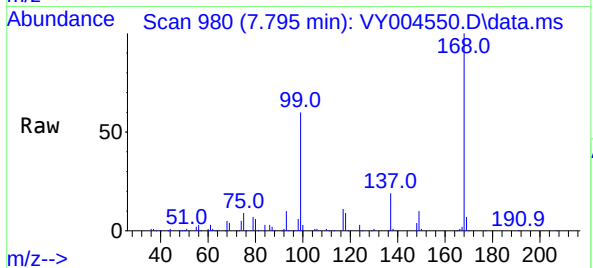
Tgt Ion: 42 Resp: 222
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#



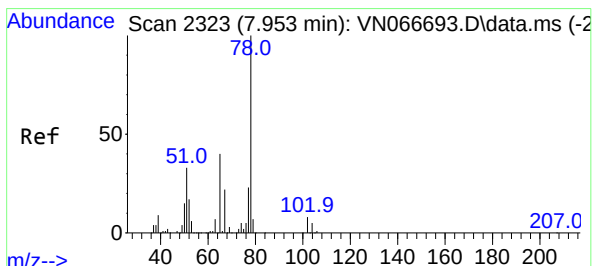
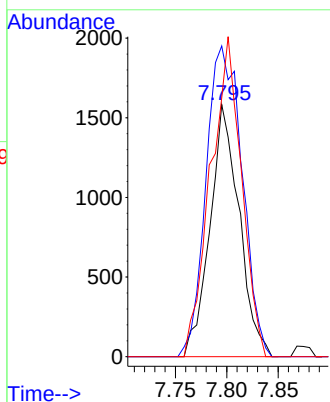
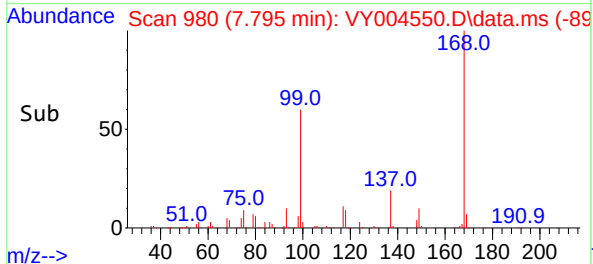


#31
Cyclohexane
Concen: 1.22 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.217 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

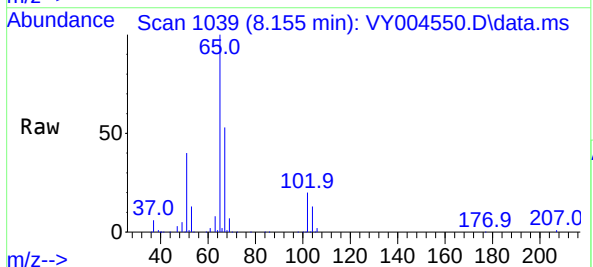
Instrument :
MSVOA_Y
ClientSampleId :



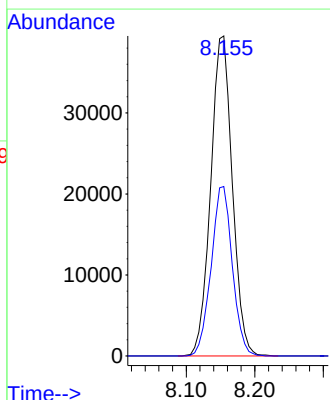
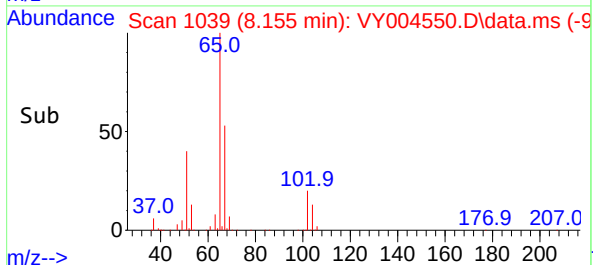
Tgt Ion: 56 Resp: 3132
Ion Ratio Lower Upper
56 100
69 123.2 26.6 39.8#
84 102.6 70.4 105.6

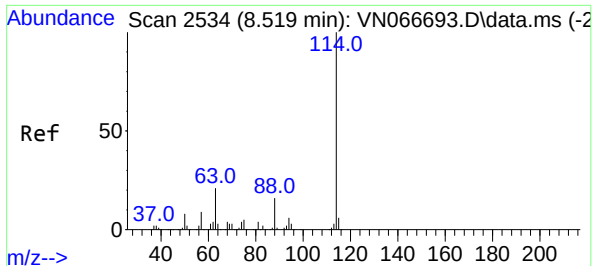


#33
1,2-Dichloroethane-d4
Concen: 54.68 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.202 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03



Tgt Ion: 65 Resp: 86440
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.2



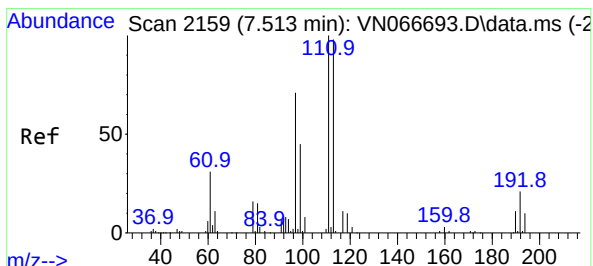
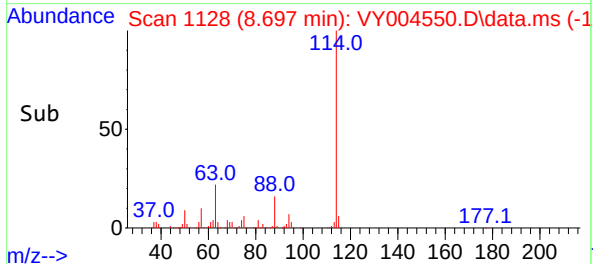
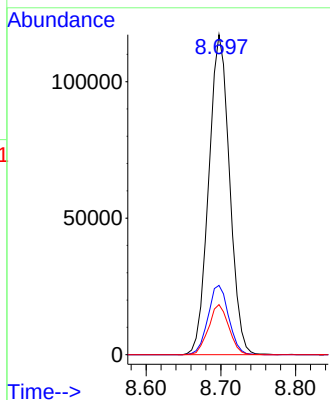
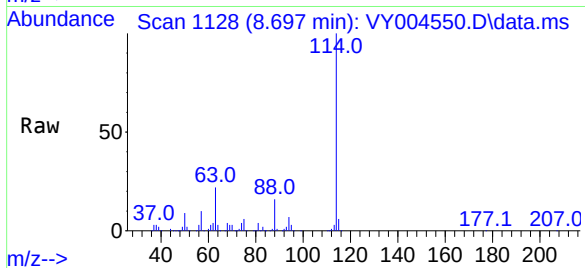


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.178 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

Instrument :
MSVOA_Y
ClientSampleId :

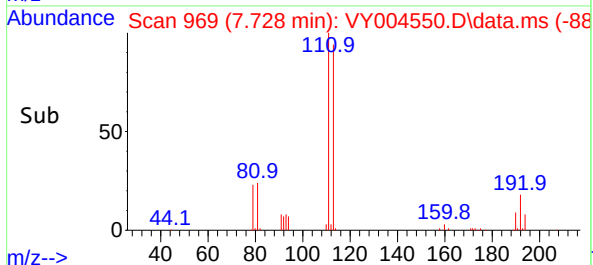
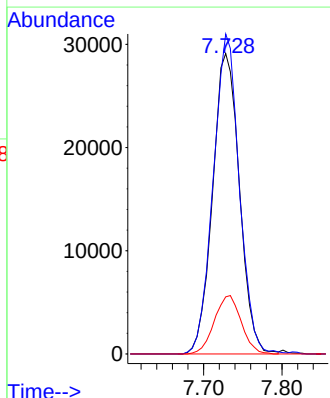
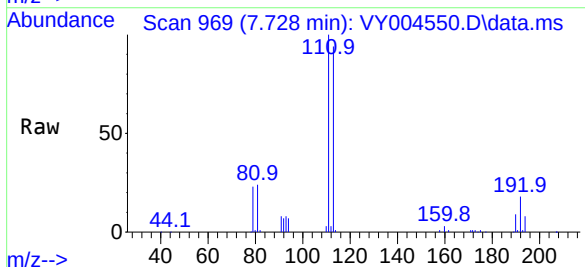
Tgt Ion:114 Resp: 227503
Ion Ratio Lower Upper
114 100
63 21.7 0.0 38.6
88 15.7 0.0 30.6

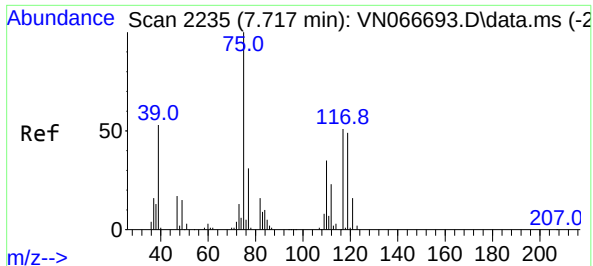


#35

Dibromofluoromethane
Concen: 48.66 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.215 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

Tgt Ion:113 Resp: 69318
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 19.4 15.4 23.0



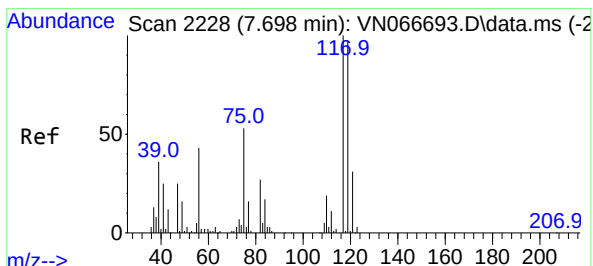
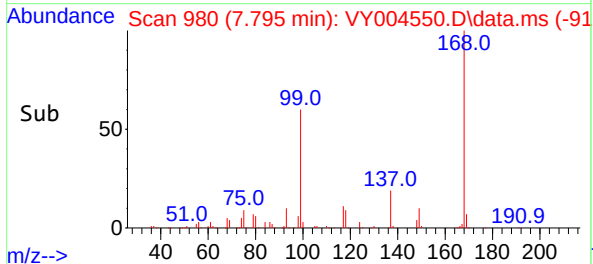
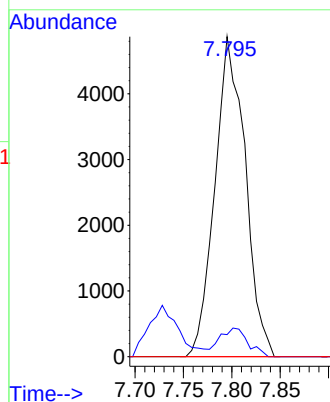
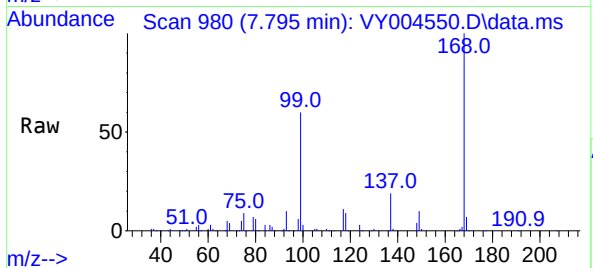


#36

1,1-Dichloropropene
Concen: 5.02 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.078 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

Instrument :
MSVOA_Y
ClientSampled :

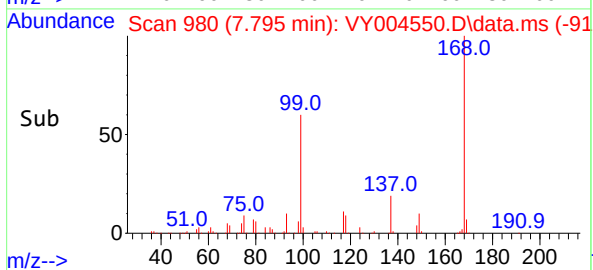
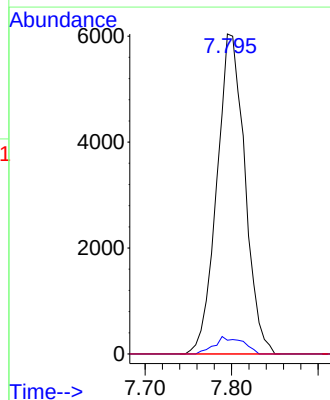
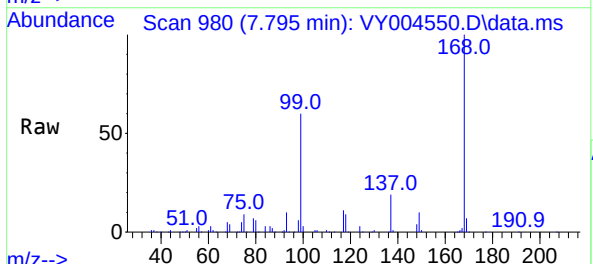
Tgt Ion: 75	Resp: 10624
Ion Ratio	Lower Upper
75 100	
110 8.2	18.2 54.6#
77 0.0	24.9 37.3#

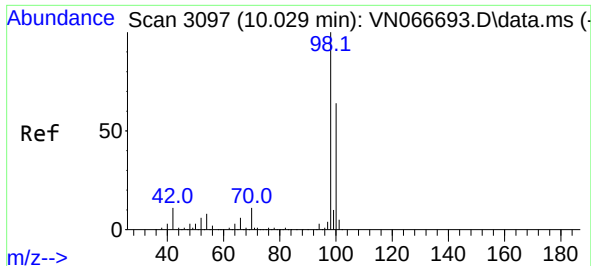


#38

Carbon Tetrachloride
Concen: 6.74 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.097 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

Tgt Ion: 117	Resp: 13577
Ion Ratio	Lower Upper
117 100	
119 4.3	76.0 114.0#
121 0.0	24.5 36.7#

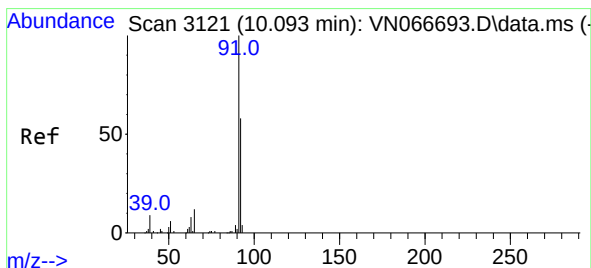
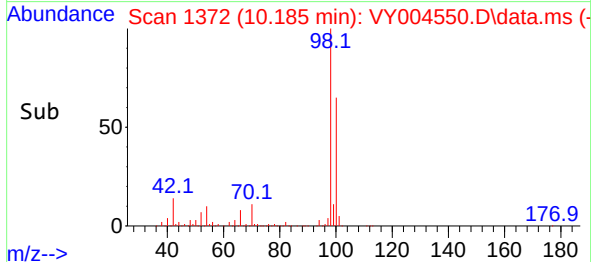
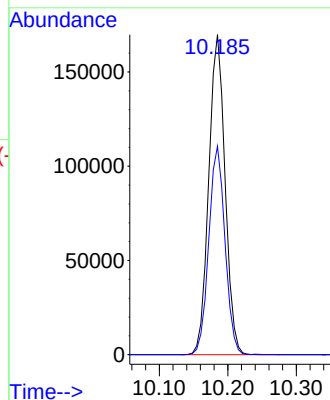
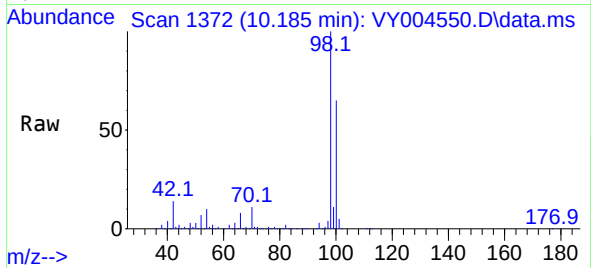




#50
Toluene-d8
Concen: 50.68 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.156 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

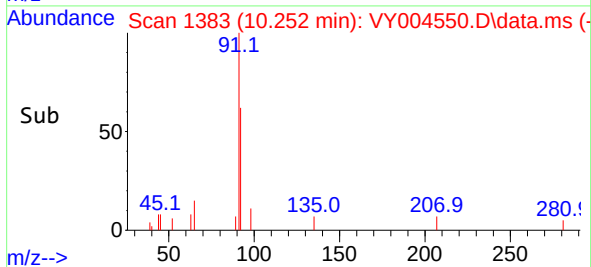
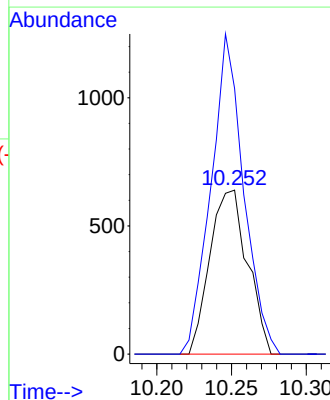
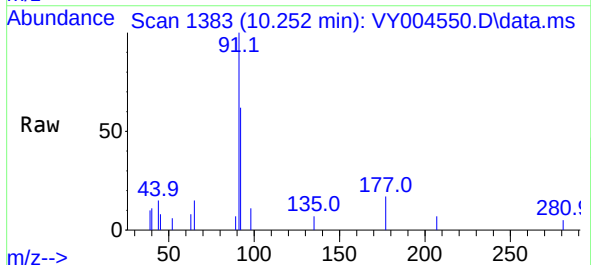
Instrument :
MSVOA_Y
ClientSampled :

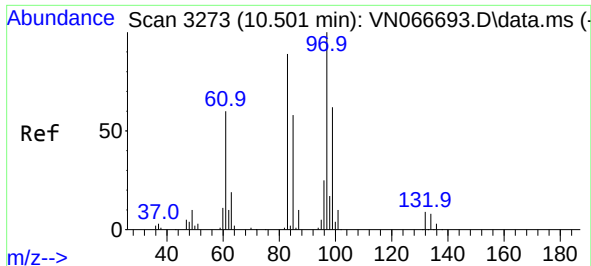
Tgt Ion: 98 Resp: 281559
Ion Ratio Lower Upper
98 100
100 64.6 50.5 75.7



#52
Toluene
Concen: 0.28 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.159 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

Tgt Ion: 92 Resp: 1121
Ion Ratio Lower Upper
92 100
91 169.7 140.7 211.1



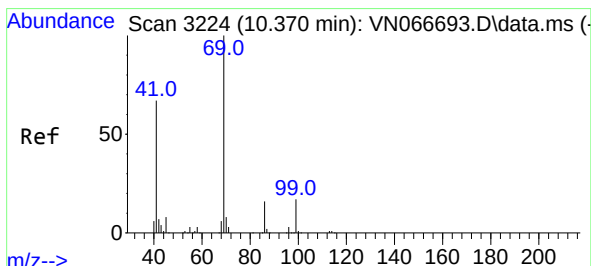
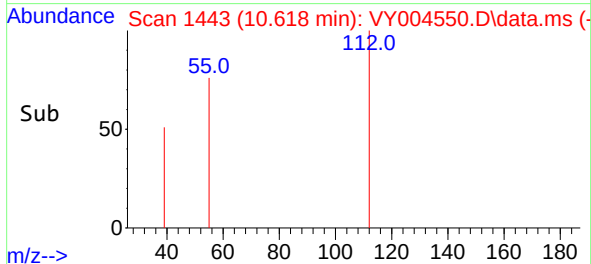
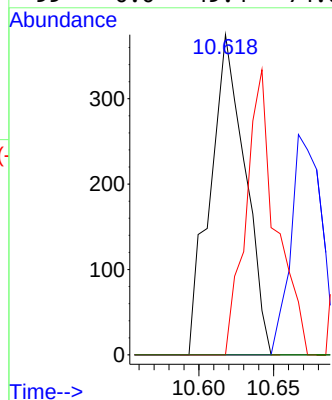
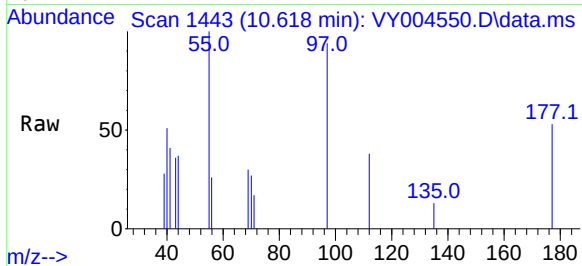


#55
1,1,2-Trichloroethane
Concen: 0.39 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. 0.117 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 97 Resp: 610

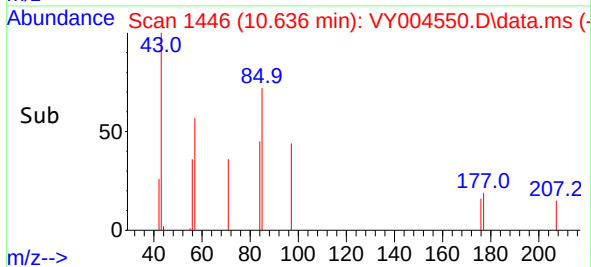
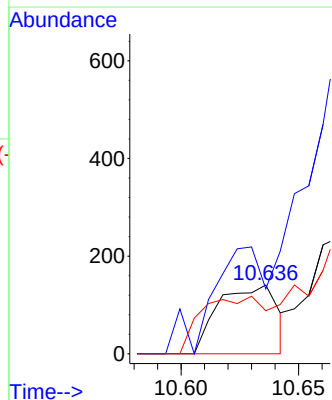
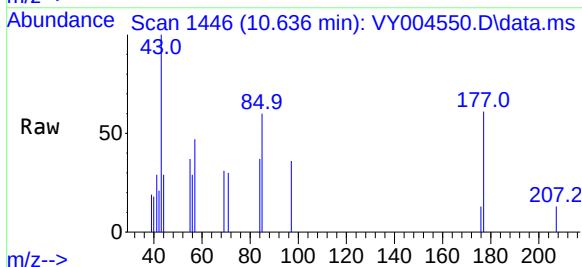
Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.7	101.5#
85	0.0	44.5	66.7#
99	0.0	49.4	74.0#

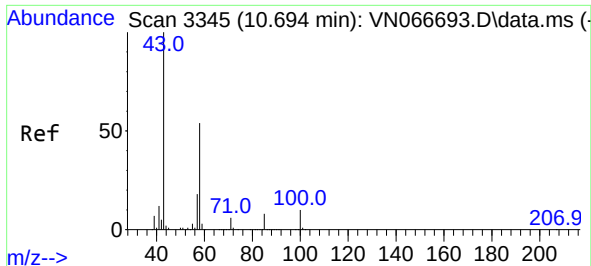


#56
Ethyl methacrylate
Concen: 3.24 ug/l
RT: 10.636 min Scan# 1446
Delta R.T. 0.266 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

Tgt Ion: 69 Resp: 243

Ion	Ratio	Lower	Upper
69	100		
41	140.7	49.6	74.4#
39	89.7	28.0	42.0#

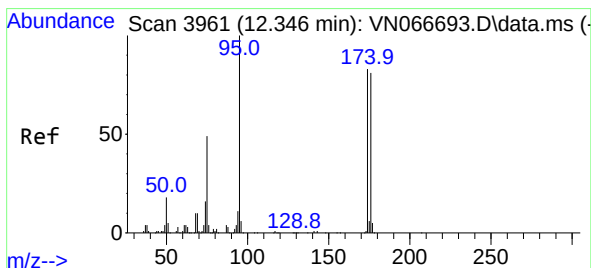
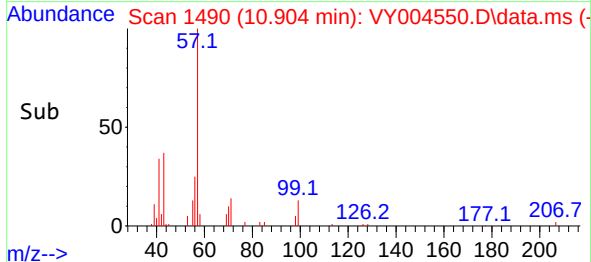
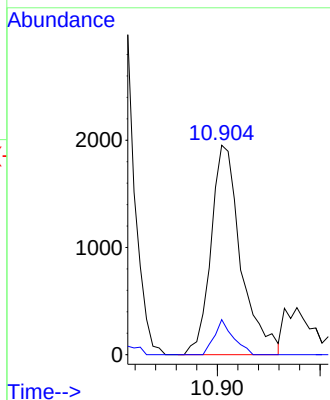
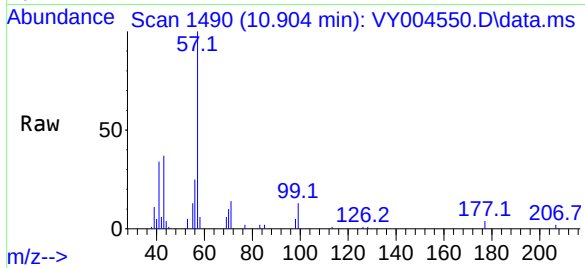




#59
2-Hexanone
Concen: 19.10 ug/l
RT: 10.904 min Scan# 1490
Delta R.T. 0.210 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

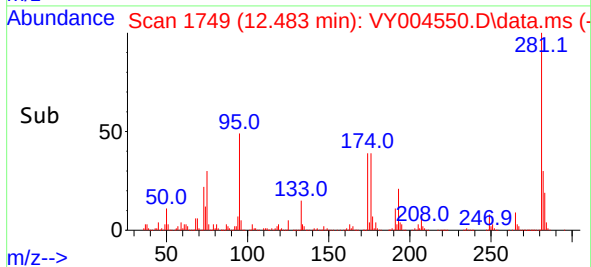
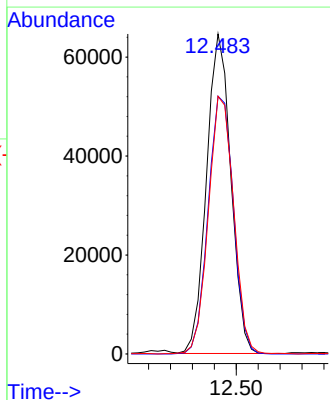
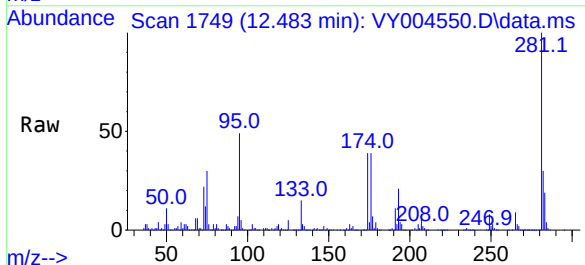
Instrument :
MSVOA_Y
ClientSampled :

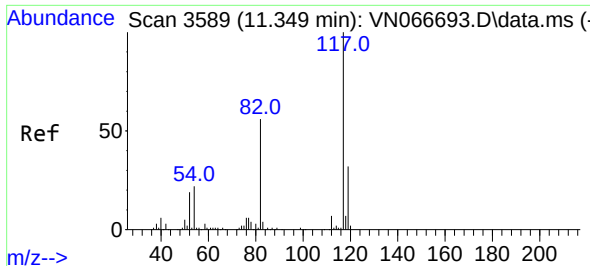
Tgt Ion: 43 Resp: 3935
Ion Ratio Lower Upper
43 100
58 10.5 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 52.32 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.137 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

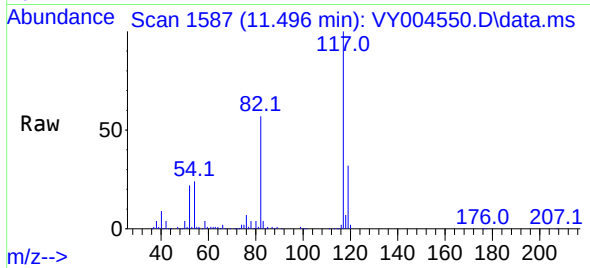
Tgt Ion: 95 Resp: 99560
Ion Ratio Lower Upper
95 100
174 83.9 0.0 169.0
176 83.9 0.0 162.4



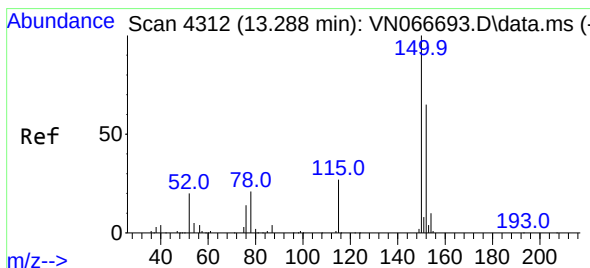
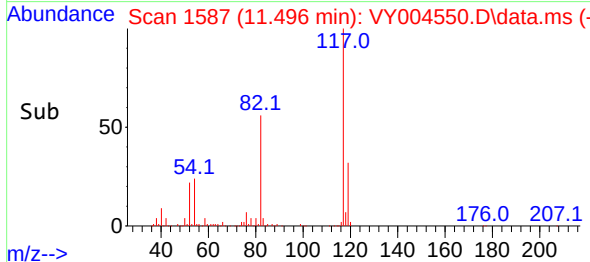
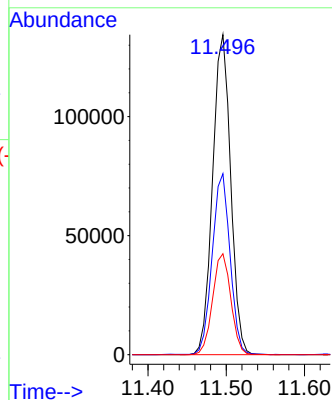


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.147 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

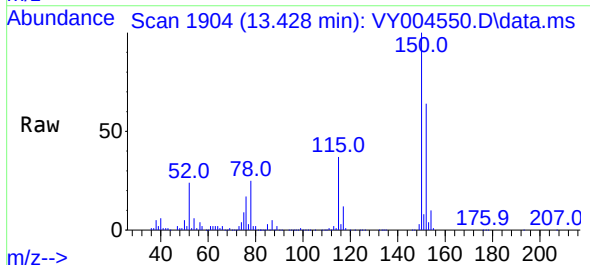
Instrument :
MSVOA_Y
ClientSampleId :



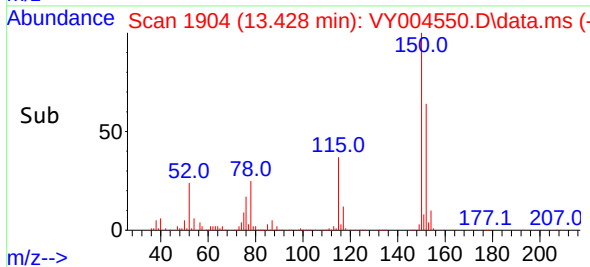
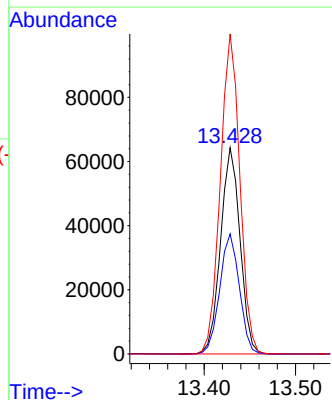
Tgt Ion:117 Resp: 215217
Ion Ratio Lower Upper
117 100
82 56.5 43.7 65.5
119 31.6 26.1 39.1

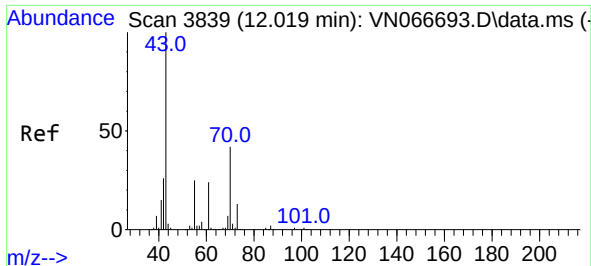


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.140 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03



Tgt Ion:152 Resp: 95324
Ion Ratio Lower Upper
152 100
115 58.6 28.5 85.6
150 155.5 0.0 347.6

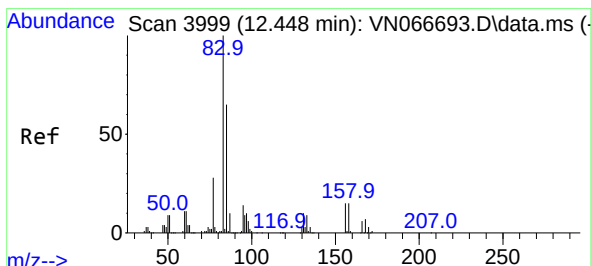
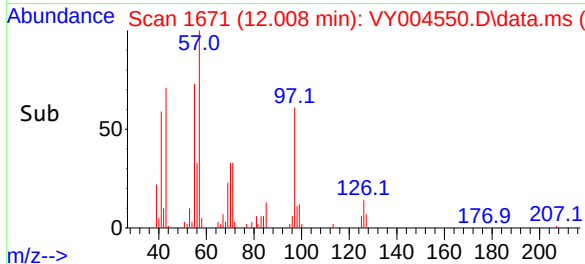
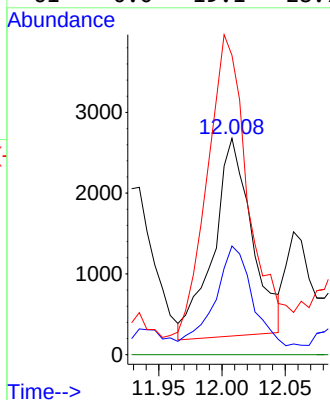
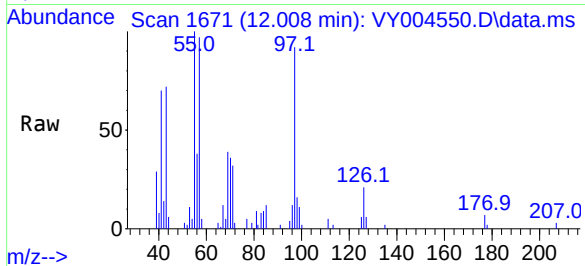




#74
N-amy1 acetate
Concen: 3.22 ug/l
RT: 12.008 min Scan# 1671
Delta R.T. -0.011 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

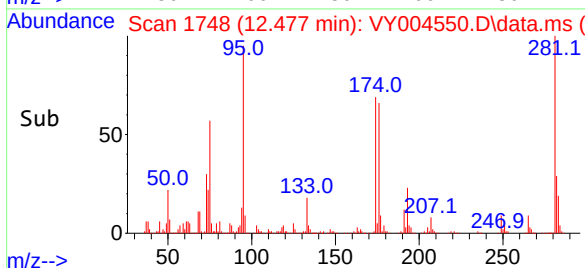
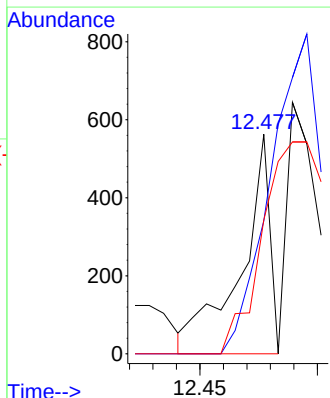
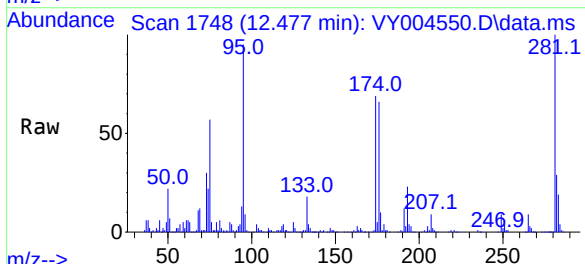
Instrument :
MSVOA_Y
ClientSampleId :

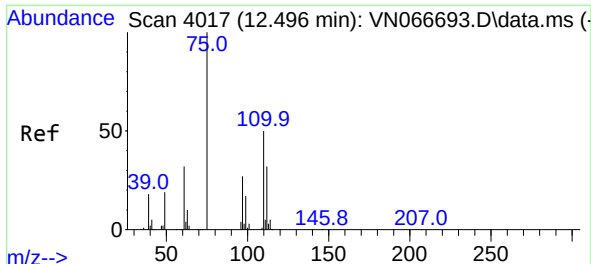
Tgt Ion:	43	Resp:	5184
Ion	Ratio	Lower	Upper
43	100		
70	47.2	34.4	51.6
55	165.0	20.7	31.1#
61	0.0	19.1	28.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.21 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.029 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

Tgt Ion:	83	Resp:	478
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	15.8#
85	0.0	32.0	96.0#

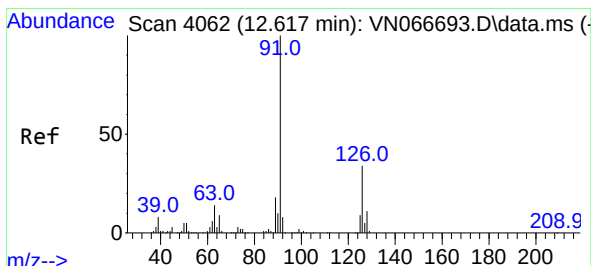
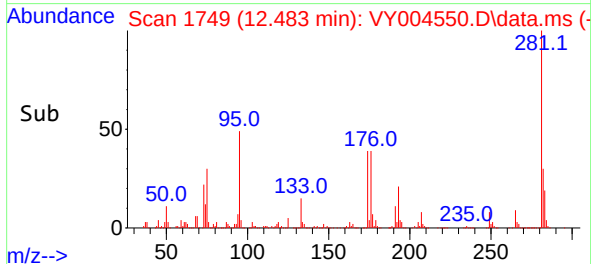
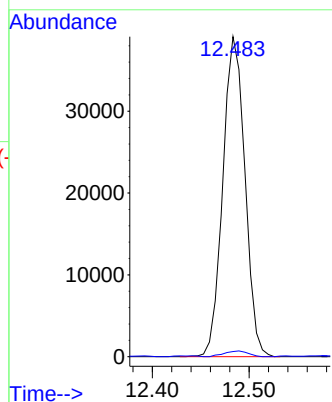
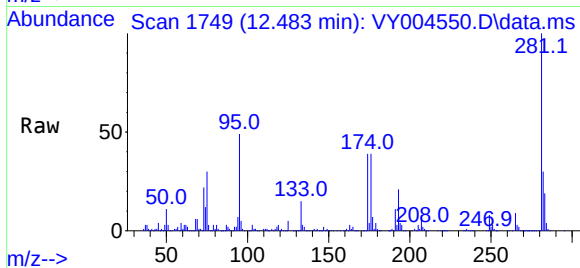




#76
1,2,3-Trichloropropane
Concen: 30.43 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.013 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

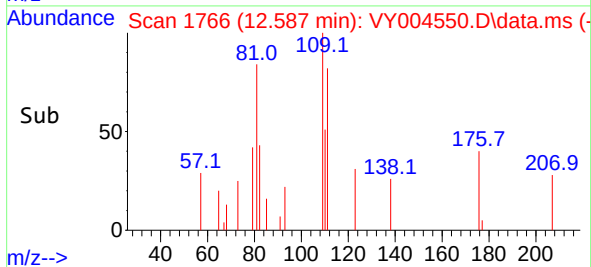
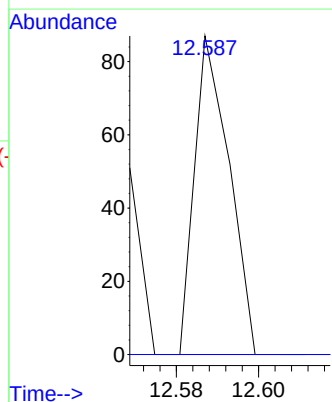
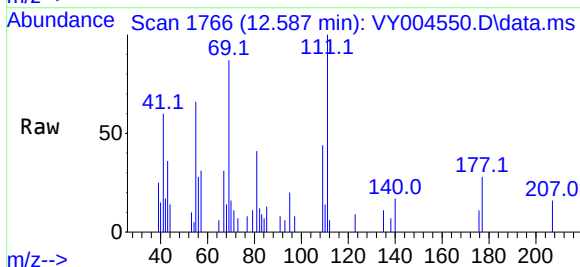
Instrument :
MSVOA_Y
ClientSampled :

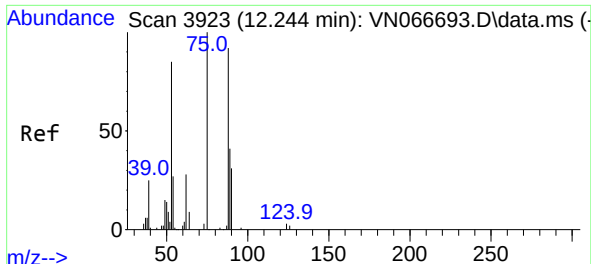
Tgt Ion: 75 Resp: 62064
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#79
2-Chlorotoluene
Concen: 0.95 ug/l
RT: 12.587 min Scan# 1766
Delta R.T. -0.030 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

Tgt Ion: 91 Resp: 51
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

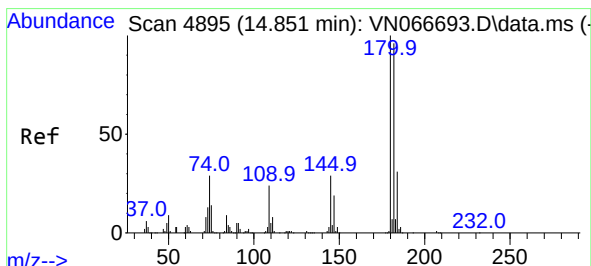
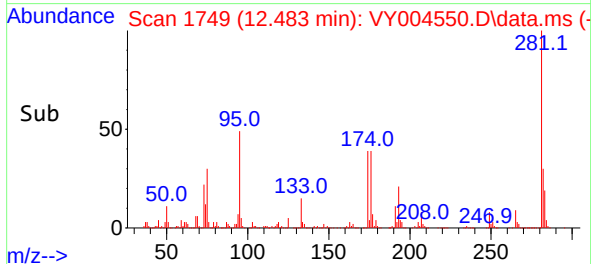
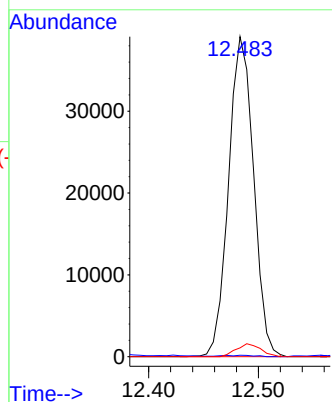
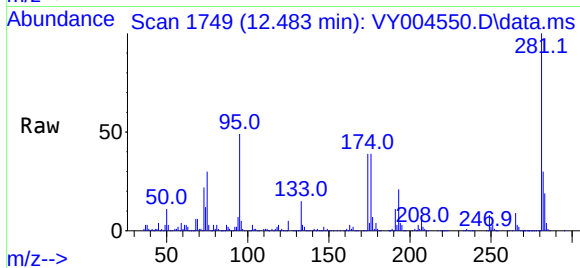




#81
trans-1,4-Dichloro-2-butene
Concen: 88.43 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.239 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

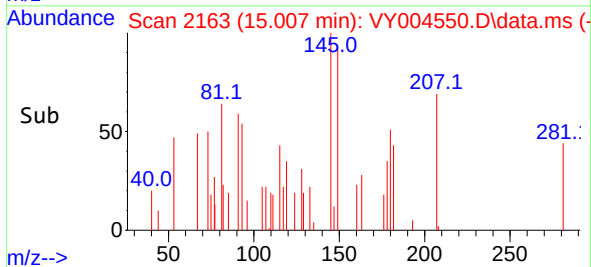
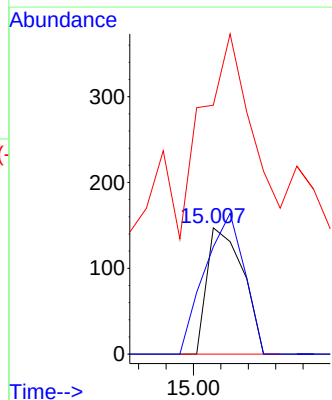
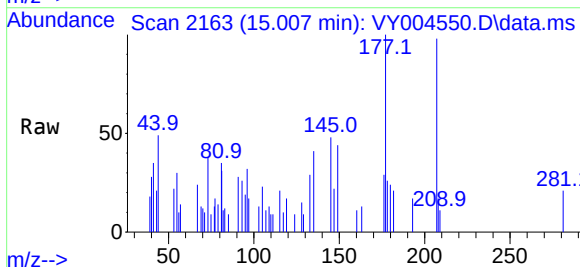
Instrument :
MSVOA_Y
ClientSampled :

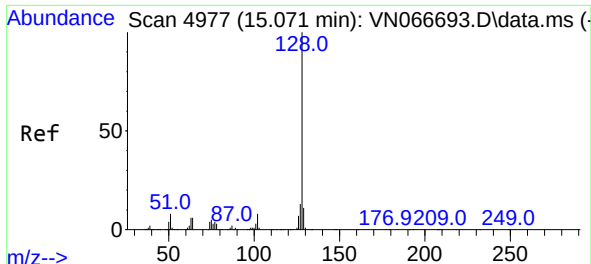
Tgt Ion: 75 Resp: 62070
Ion Ratio Lower Upper
75 100
53 0.5 74.6 111.8#
89 3.9 35.8 53.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.07 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.156 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

Tgt Ion:180 Resp: 134
Ion Ratio Lower Upper
180 100
182 123.1 47.3 142.0
145 653.0 15.6 46.8#

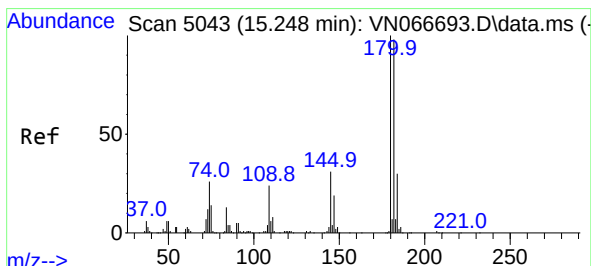
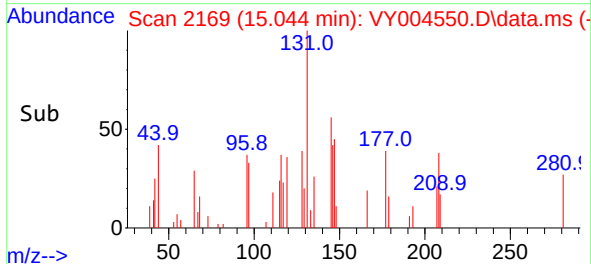
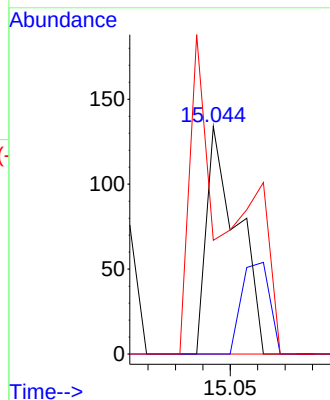
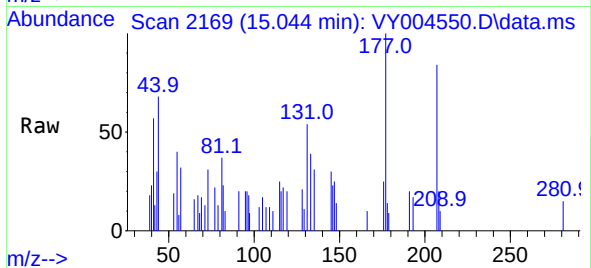




#95
Naphthalene
Concen: 1.87 ug/l
RT: 15.044 min Scan# 2169
Delta R.T. -0.027 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 105
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 114.3 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.48 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. 0.174 min
Lab File: VY004550.D
Acq: 21 Apr 2021 13:03

Tgt Ion:180 Resp: 209
Ion Ratio Lower Upper
180 100
182 35.9 47.4 142.3#
145 163.6 16.5 49.5#

