

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042121\
 Data File : VY004553.D
 Acq On : 21 Apr 2021 14:13
 Operator : SY/MD
 Sample : M2111-01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 22 11:07:49 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)

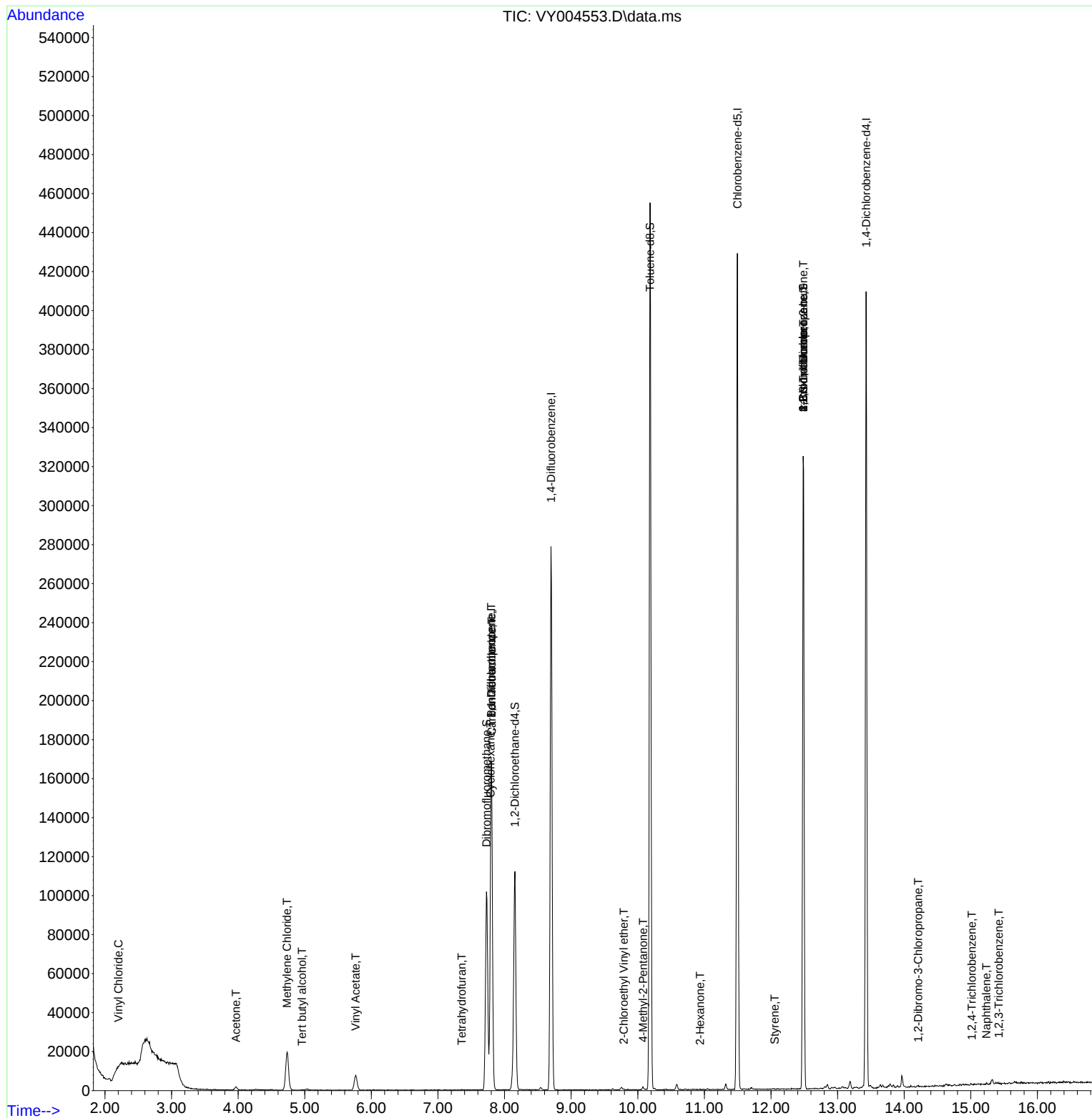
Internal Standards						
1) Pentafluorobenzene	7.801	168	127721	50.00	ug/l	0.21
34) 1,4-Difluorobenzene	8.697	114	226211	50.00	ug/l	0.18
63) Chlorobenzene-d5	11.496	117	214061	50.00	ug/l	0.15
72) 1,4-Dichlorobenzene-d4	13.428	152	94894	50.00	ug/l	0.14
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	84090	53.89	ug/l	0.20
Spiked Amount 50.000			Recovery	=	107.78%	
35) Dibromofluoromethane	7.728	113	69976	49.40	ug/l	0.22
Spiked Amount 50.000			Recovery	=	98.80%	
50) Toluene-d8	10.185	98	279059	50.51	ug/l	0.16
Spiked Amount 50.000			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.483	95	93188	49.25	ug/l	0.14
Spiked Amount 50.000			Recovery	=	98.50%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.205	62	6261	3.42	ug/l #	43
11) Tert butyl alcohol	4.960	59	252	1.27	ug/l #	73
16) Acetone	3.967	43	2857	4.89	ug/l	93
20) Methylene Chloride	4.735	84	14013	8.07	ug/l	89
23) Vinyl Acetate	5.765	43	3632	0.93	ug/l #	50
29) Tetrahydrofuran	7.356	42	128	0.22	ug/l #	32
31) Cyclohexane	7.789	56	3162	1.24	ug/l #	44
36) 1,1-Dichloropropene	7.801	75	10565	5.02	ug/l #	49
38) Carbon Tetrachloride	7.807	117	13025	6.51	ug/l #	16
51) 4-Methyl-2-Pentanone	10.081	43	1127	0.57	ug/l	88
58) 2-Chloroethyl Vinyl ether	9.789	63	138	22.46	ug/l #	47
59) 2-Hexanone	10.935	43	22	16.65	ug/l #	23
70) Styrene	12.057	104	83	3.00	ug/l #	76
76) 1,2,3-Trichloropropane	12.483	75	51735	25.48	ug/l #	100
79) 2-Chlorotoluene	12.483	91	551	1.04	ug/l	76
81) trans-1,4-Dichloro-2-b...	12.483	75	51672	74.85	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.209	75	130	0.32	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.013	180	49	2.03	ug/l #	13
95) Naphthalene	15.233	128	489	1.95	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.422	180	82	1.41	ug/l #	12

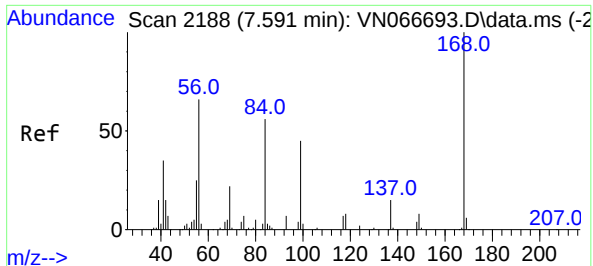
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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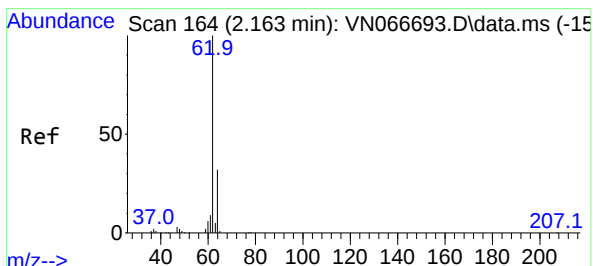
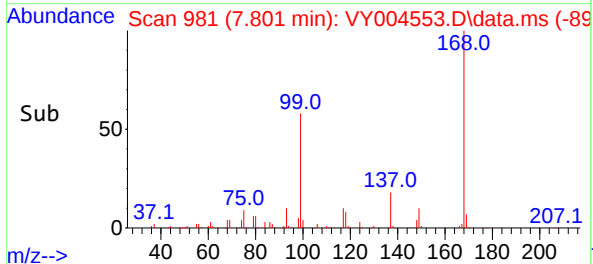
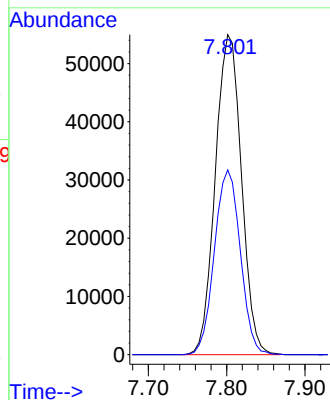
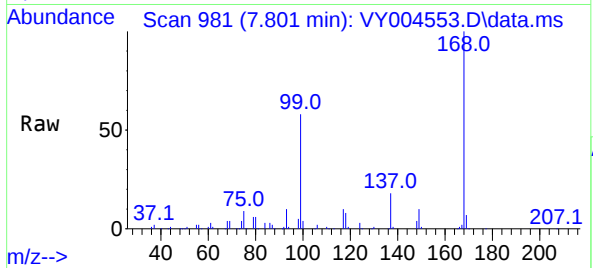




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.210 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

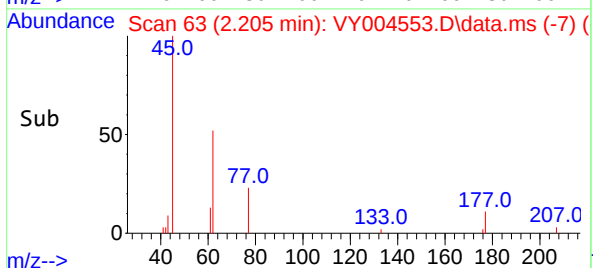
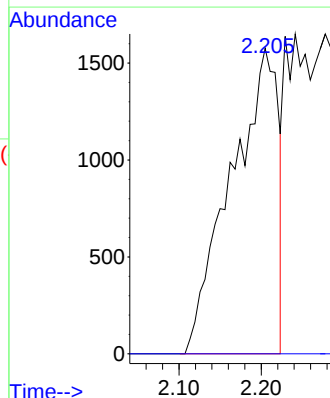
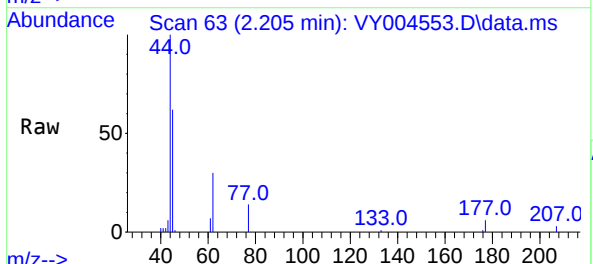
Instrument :
MSVOA_Y
ClientSampleId :

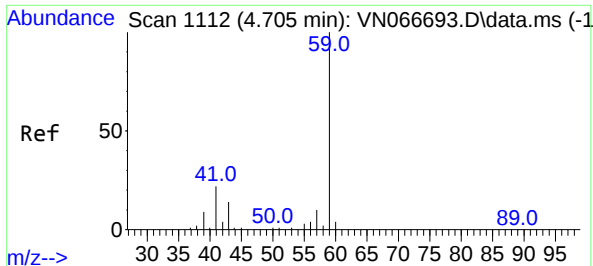
Tgt Ion:168 Resp: 127721
Ion Ratio Lower Upper
168 100
99 57.7 42.6 63.8



#4
Vinyl Chloride
Concen: 3.42 ug/l
RT: 2.205 min Scan# 63
Delta R.T. 0.042 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

Tgt Ion: 62 Resp: 6261
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#

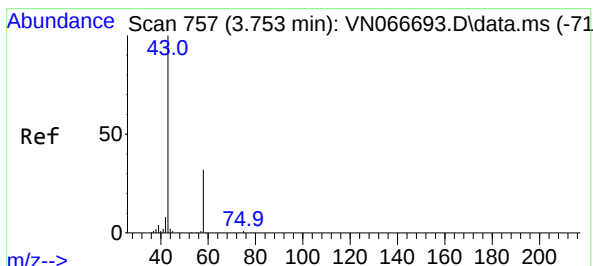
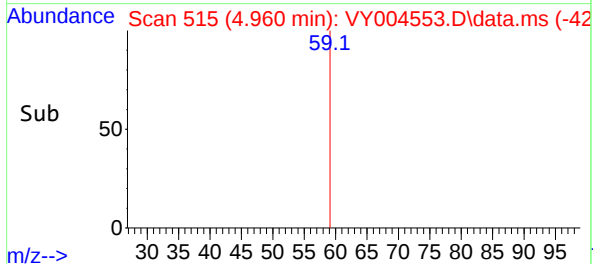
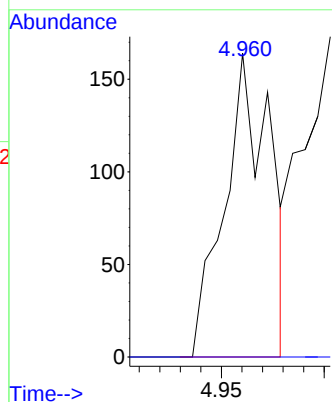
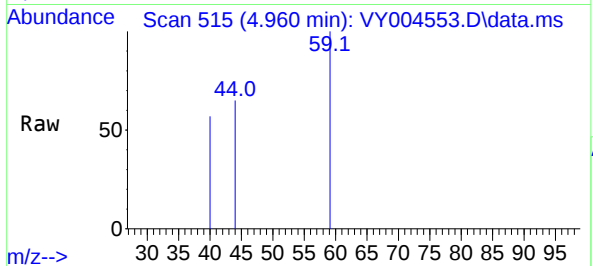




#11
Tert butyl alcohol
Concen: 1.27 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.255 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

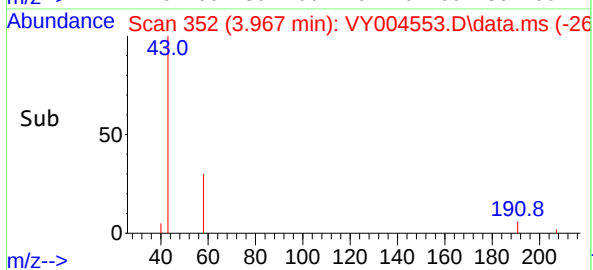
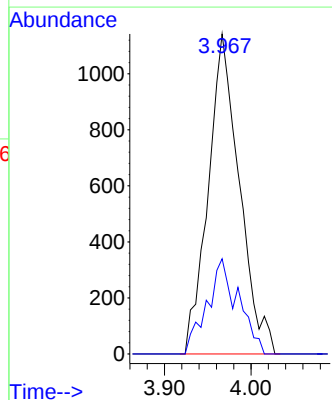
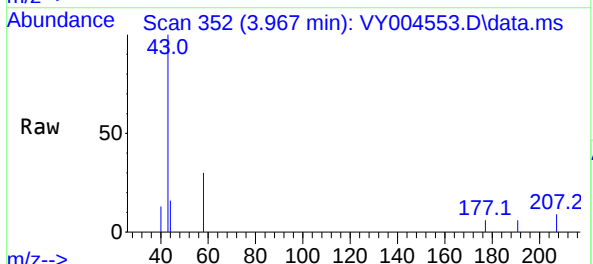
Instrument :
MSVOA_Y
ClientSampled :

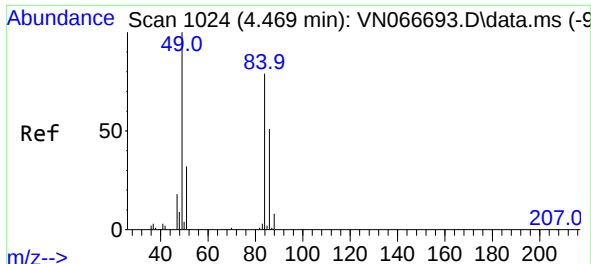
Tgt Ion: 59 Resp: 252
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 4.89 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.214 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

Tgt Ion: 43 Resp: 2857
Ion Ratio Lower Upper
43 100
58 29.8 27.0 40.6



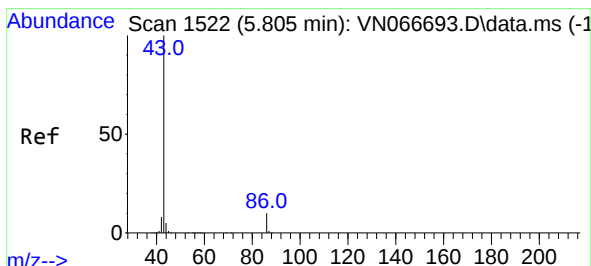
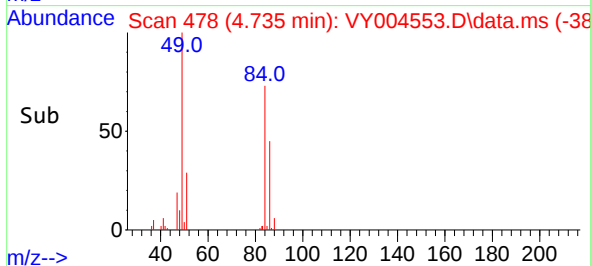
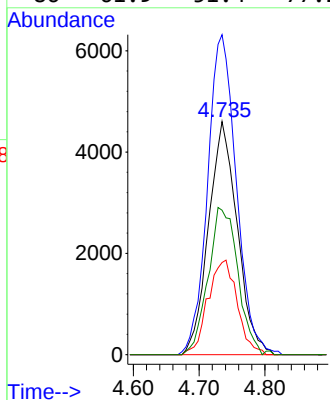
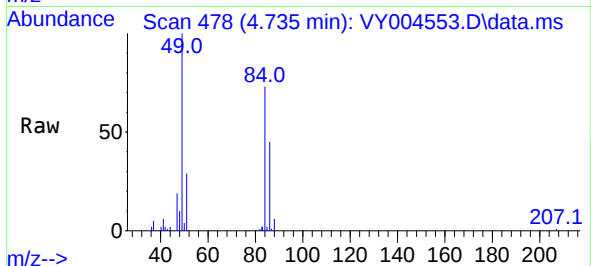


#20
Methylene Chloride
Concen: 8.07 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.266 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 84 Resp: 14013

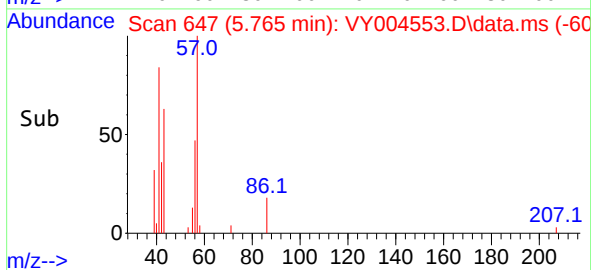
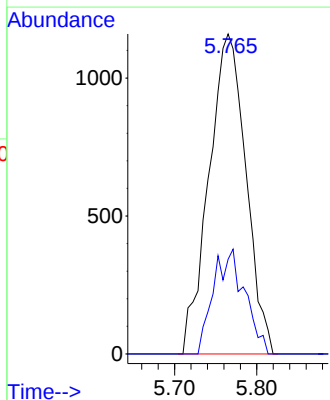
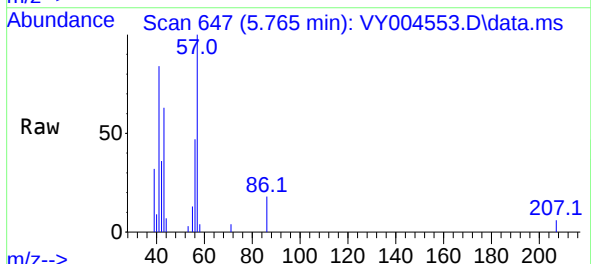
Ion	Ratio	Lower	Upper
84	100		
49	137.2	94.6	141.8
51	39.5	29.9	44.9
86	61.9	51.4	77.2

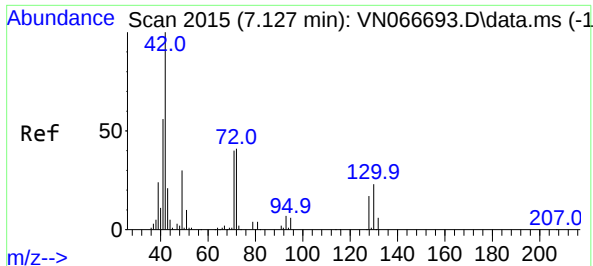


#23
Vinyl Acetate
Concen: 0.93 ug/l
RT: 5.765 min Scan# 647
Delta R.T. -0.040 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

Tgt Ion: 43 Resp: 3632

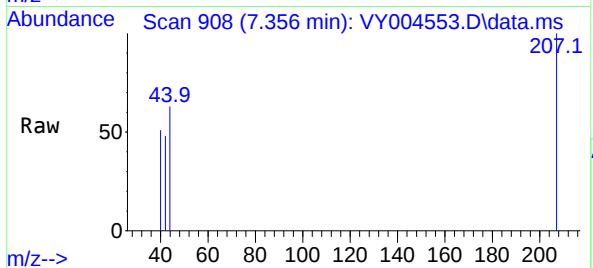
Ion	Ratio	Lower	Upper
43	100		
86	29.6	8.6	13.0#



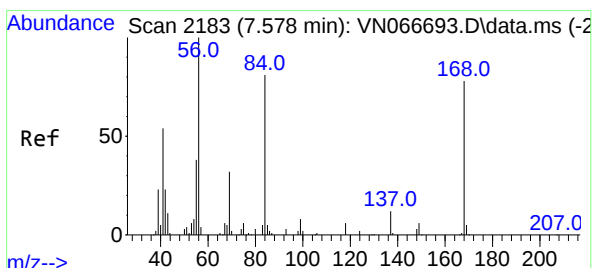
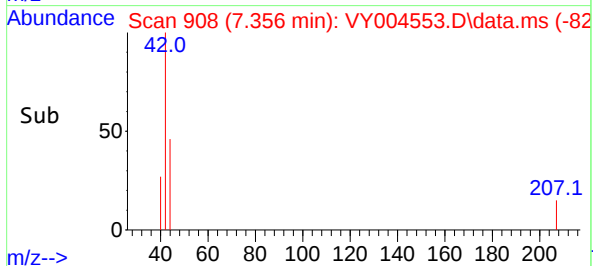
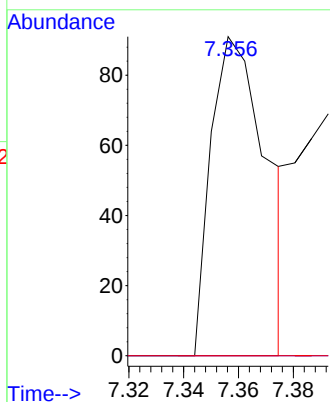


#29
Tetrahydrofuran
Concen: 0.22 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.229 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

Instrument :
MSVOA_Y
ClientSampled :

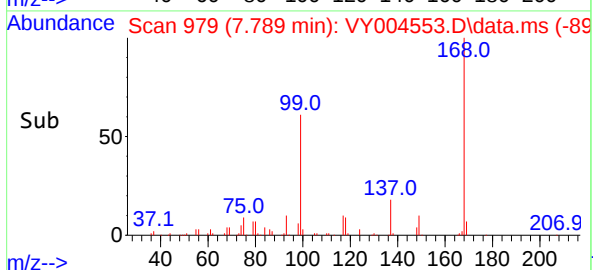
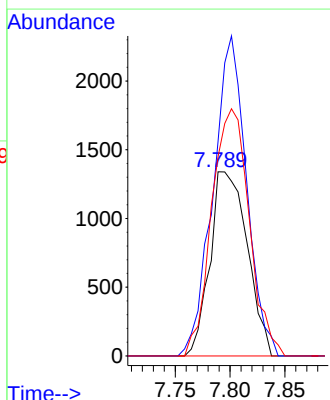
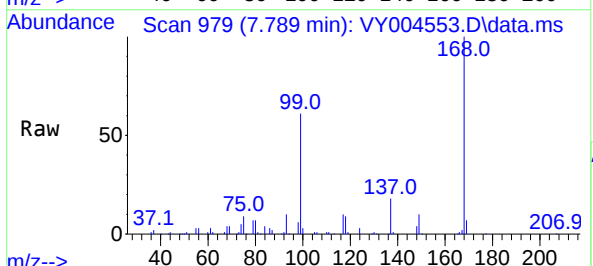


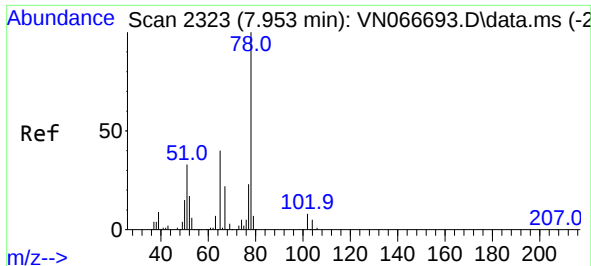
Tgt Ion: 42 Resp: 128
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#



#31
Cyclohexane
Concen: 1.24 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.211 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

Tgt Ion: 56 Resp: 3162
Ion Ratio Lower Upper
56 100
69 116.4 26.6 39.8#
84 108.1 70.4 105.6#

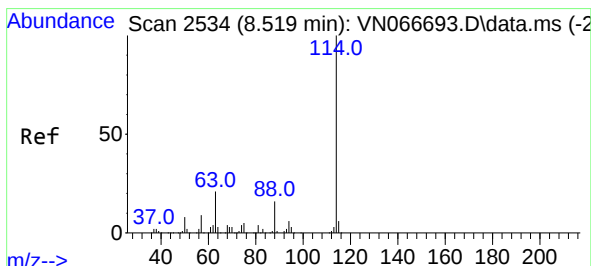
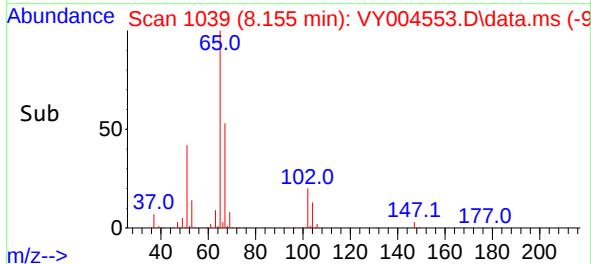
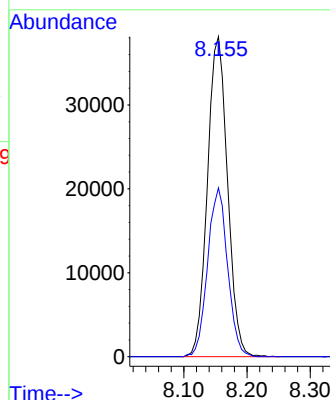
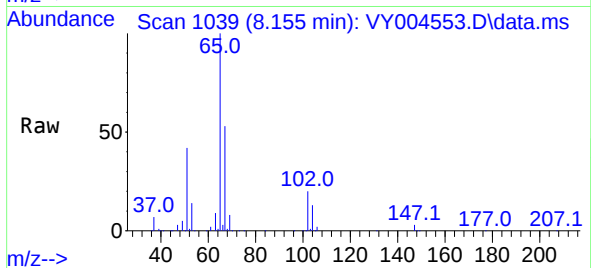




#33
 1,2-Dichloroethane-d4
 Concen: 53.89 ug/l
 RT: 8.155 min Scan# 1039
 Delta R.T. 0.202 min
 Lab File: VY004553.D
 Acq: 21 Apr 2021 14:13

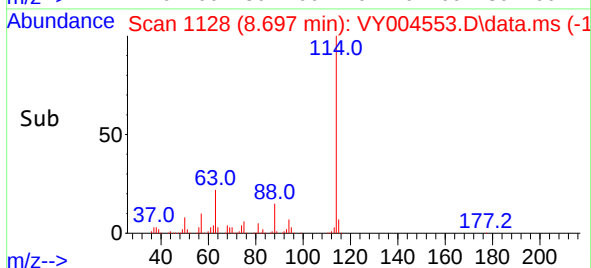
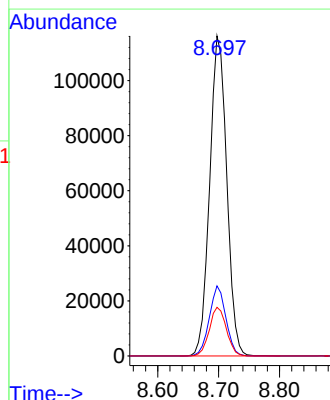
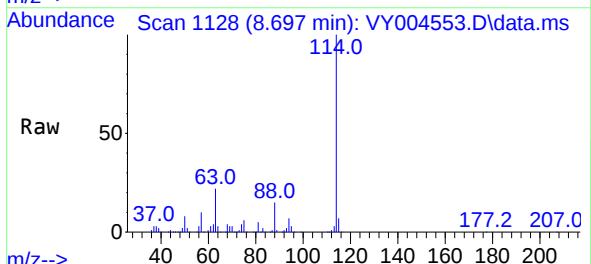
Instrument :
 MSVOA_Y
 ClientSampleId :

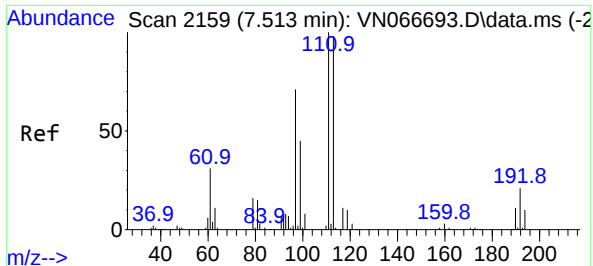
Tgt Ion: 65 Resp: 84090
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.178 min
 Lab File: VY004553.D
 Acq: 21 Apr 2021 14:13

Tgt Ion: 114 Resp: 226211
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 38.6
 88 15.2 0.0 30.6

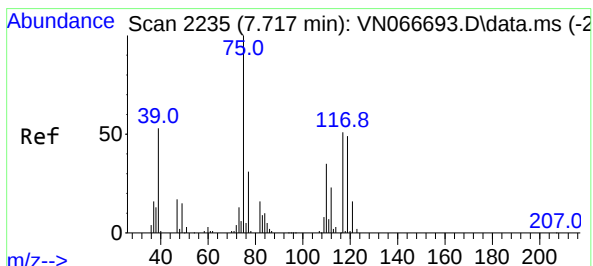
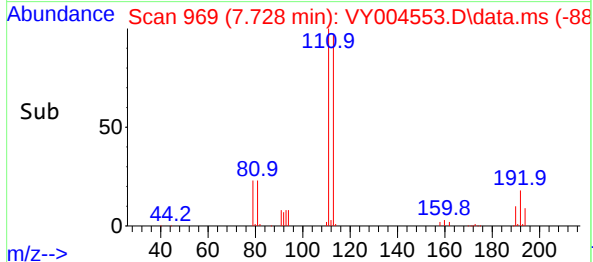
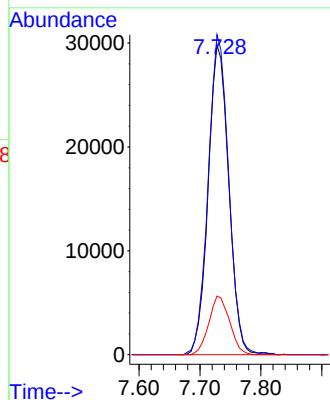
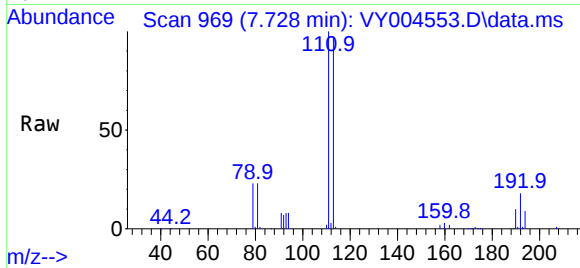




#35
Dibromofluoromethane
Concen: 49.40 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.215 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

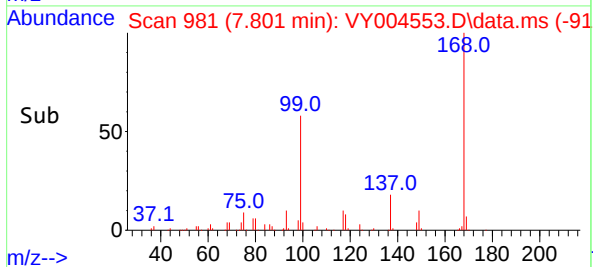
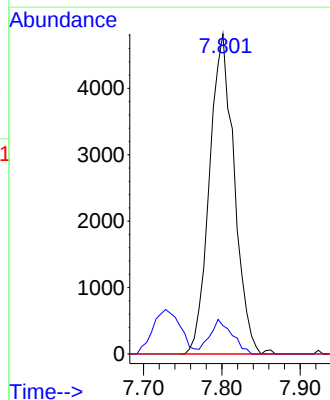
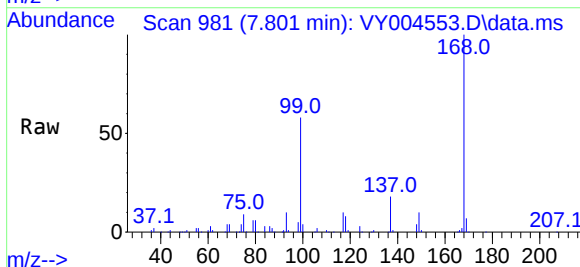
Instrument :
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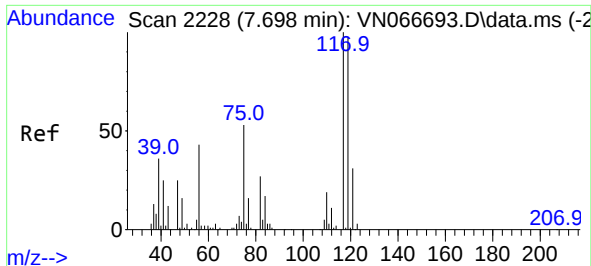
Tgt Ion:	113	Resp:	69976
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.2
192	19.1	15.4	23.0



#36
1,1-Dichloropropene
Concen: 5.02 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.084 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

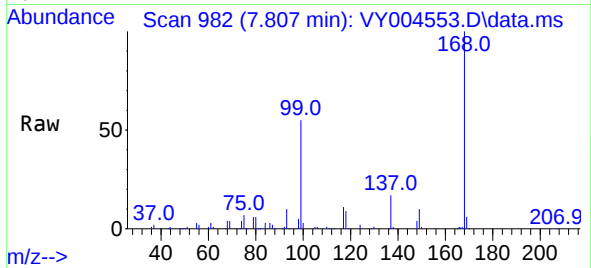
Tgt Ion:	75	Resp:	10565
Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.2	54.6#
77	0.0	24.9	37.3#



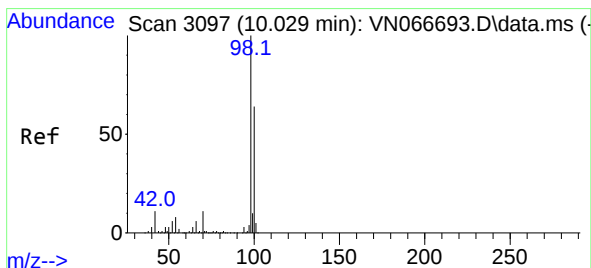
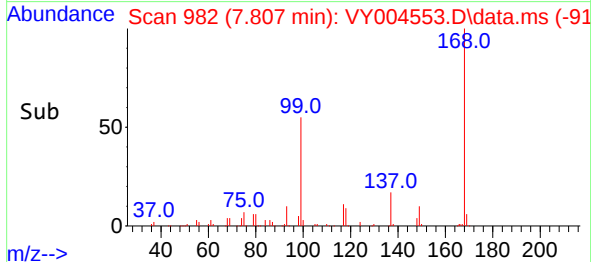
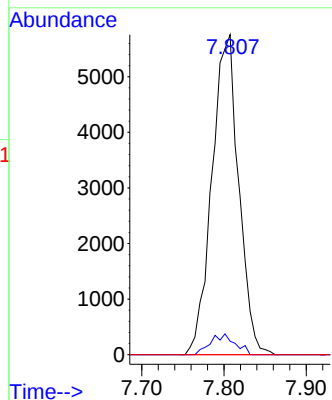


#38
Carbon Tetrachloride
Concen: 6.51 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.109 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

Instrument :
MSVOA_Y
ClientSampleId :

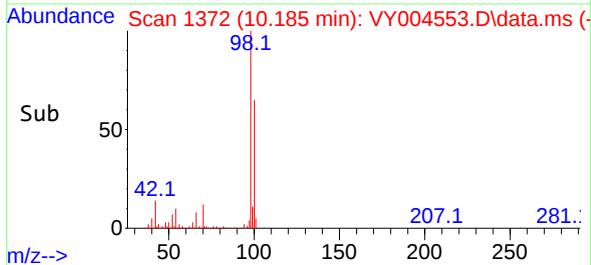
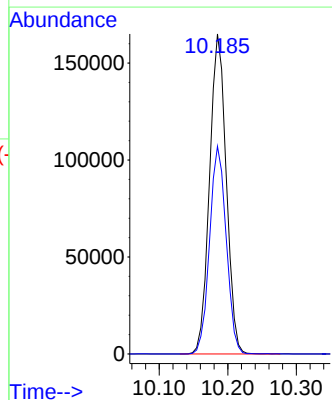
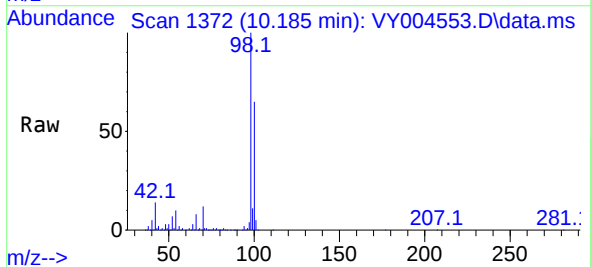


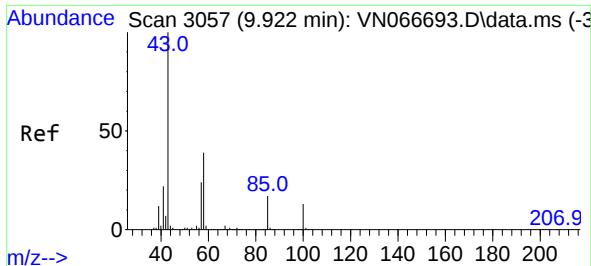
Tgt Ion:117 Resp: 13025
Ion Ratio Lower Upper
117 100
119 4.2 76.0 114.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.51 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.156 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

Tgt Ion: 98 Resp: 279059
Ion Ratio Lower Upper
98 100
100 64.6 50.5 75.7

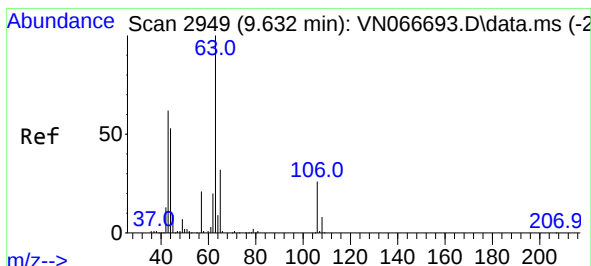
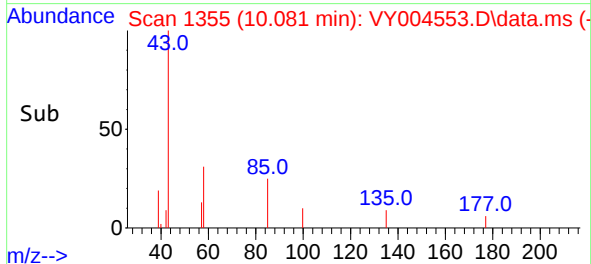
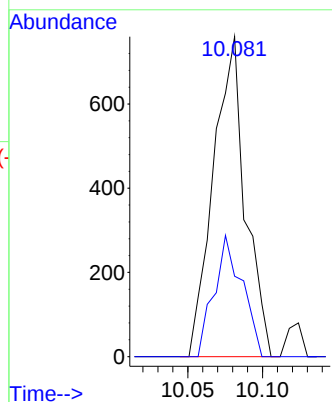
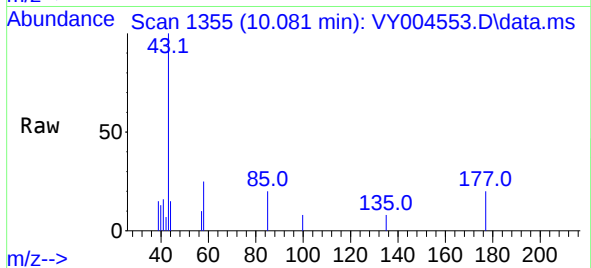




#51
4-Methyl-2-Pentanone
Concen: 0.57 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.159 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

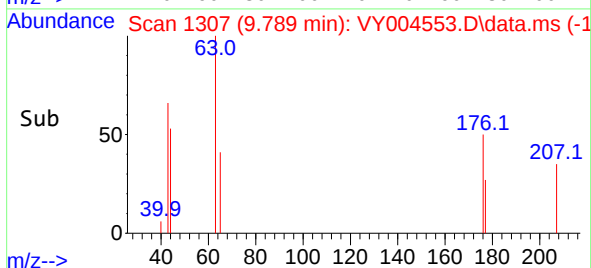
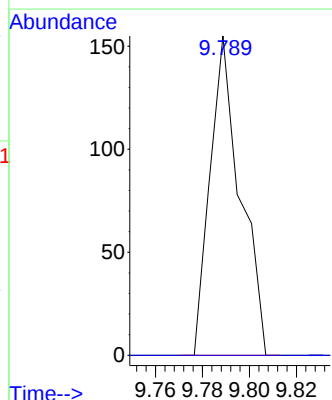
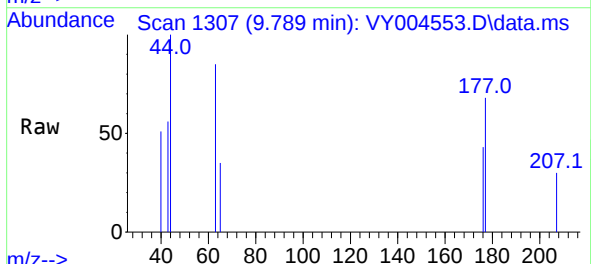
Instrument :
MSVOA_Y
ClientSampled :

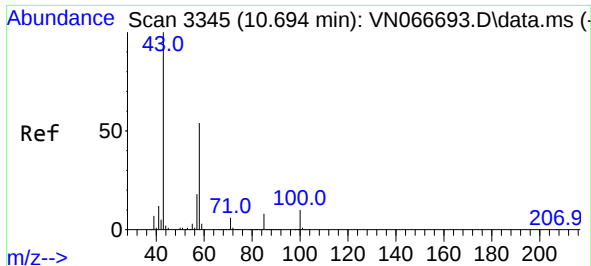
Tgt Ion: 43 Resp: 1127
Ion Ratio Lower Upper
43 100
58 33.2 32.5 48.7



#58
2-Chloroethyl Vinyl ether
Concen: 22.46 ug/l
RT: 9.789 min Scan# 1307
Delta R.T. 0.157 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

Tgt Ion: 63 Resp: 138
Ion Ratio Lower Upper
63 100
106 0.0 22.6 33.8#

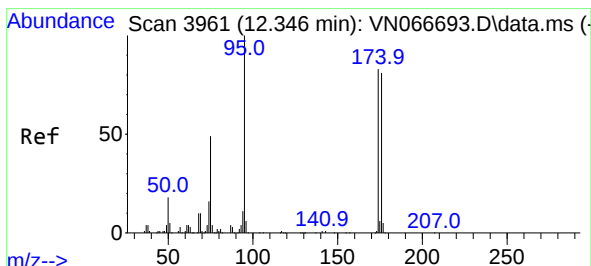
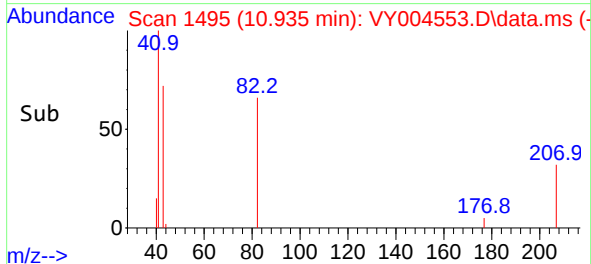
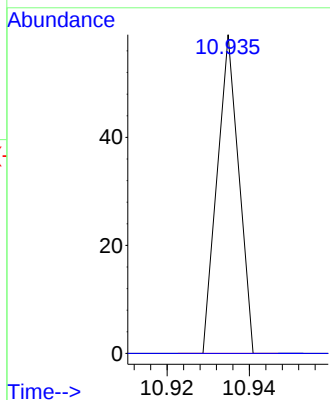
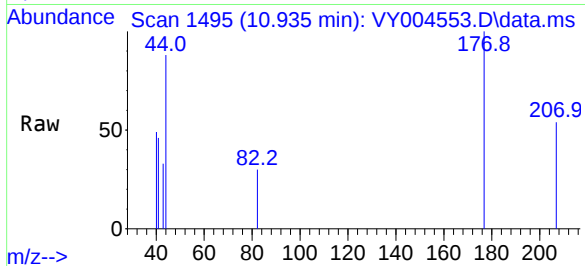




#59
2-Hexanone
Concen: 16.65 ug/l
RT: 10.935 min Scan# 1495
Delta R.T. 0.241 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

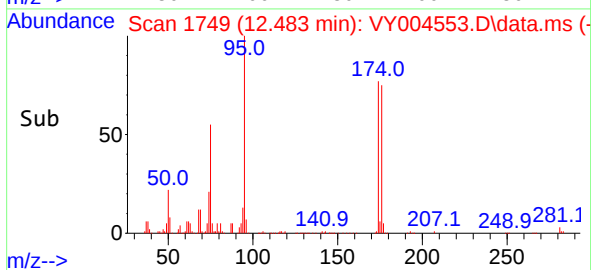
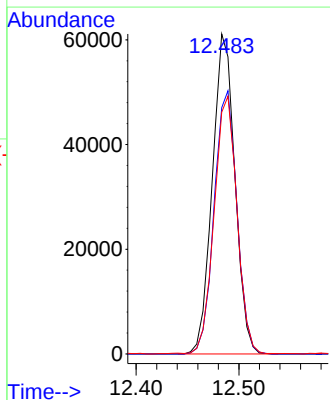
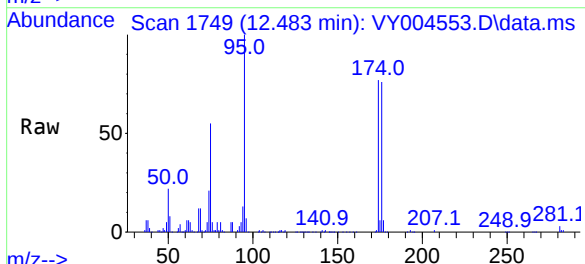
Instrument :
MSVOA_Y
ClientSampled :

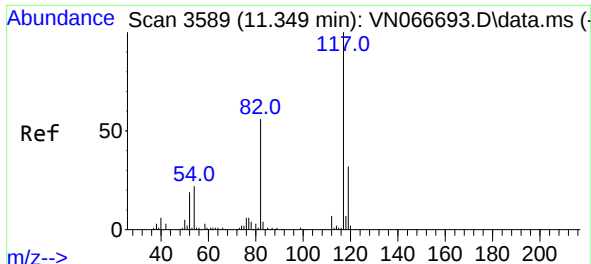
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 49.25 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.137 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

Tgt Ion: 95 Resp: 93188
Ion Ratio Lower Upper
95 100
174 82.7 0.0 169.0
176 81.6 0.0 162.4

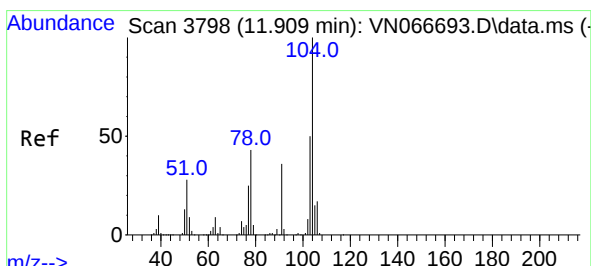
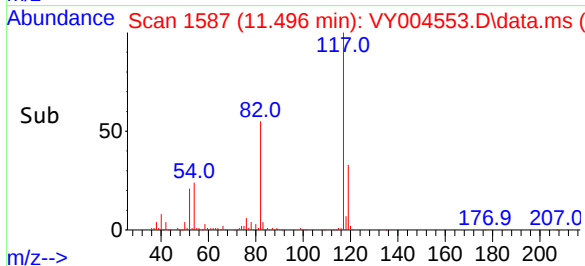
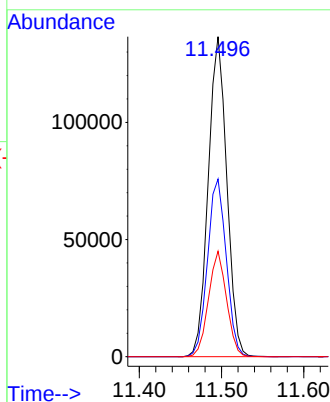
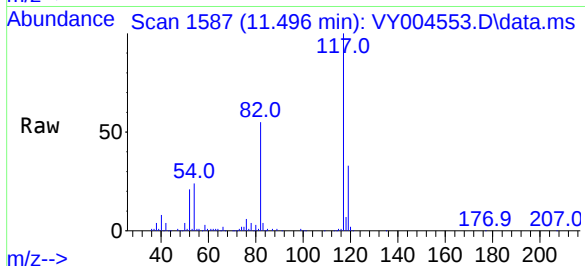




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.147 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

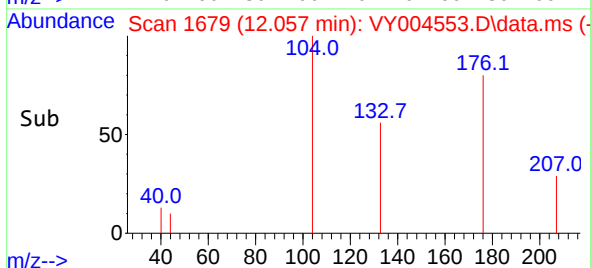
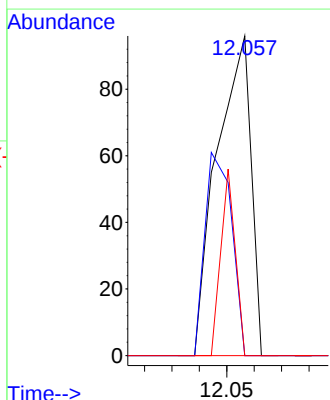
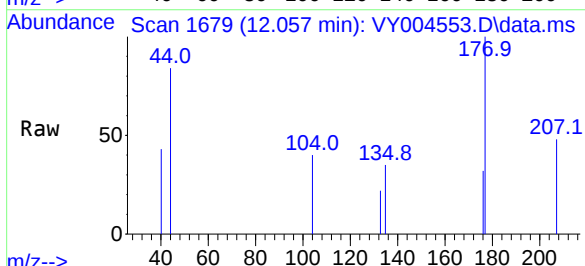
Instrument :
MSVOA_Y
ClientSampleId :

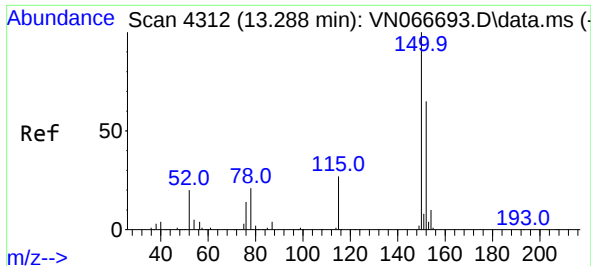
Tgt Ion:	117	Resp:	214061
Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.7	65.5
119	33.0	26.1	39.1



#70
Styrene
Concen: 3.00 ug/l
RT: 12.057 min Scan# 1679
Delta R.T. 0.148 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

Tgt Ion:	104	Resp:	83
Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.0	58.4
103	24.1	44.5	66.7#

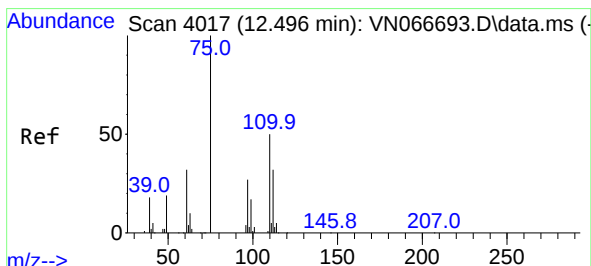
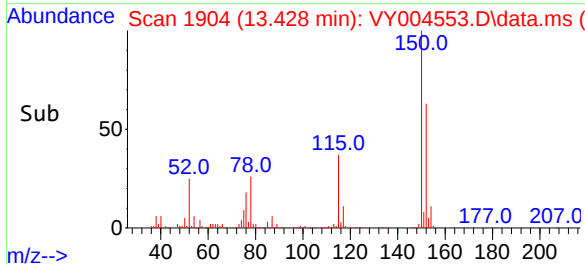
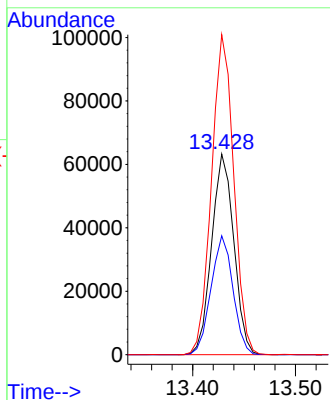
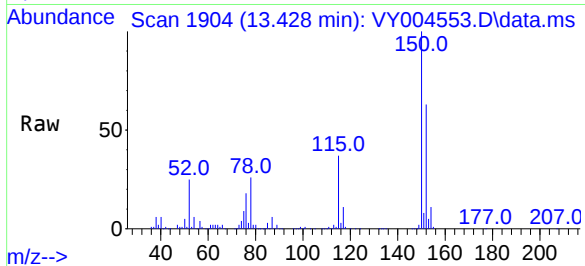




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.140 min
 Lab File: VY004553.D
 Acq: 21 Apr 2021 14:13

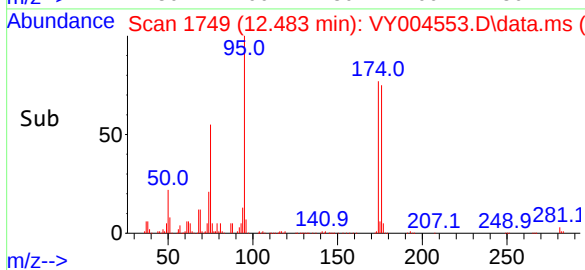
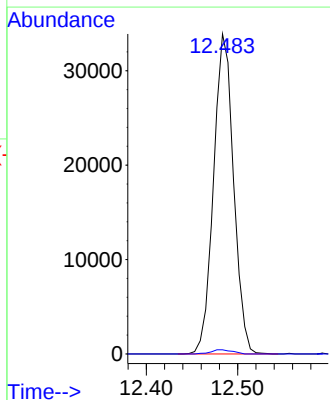
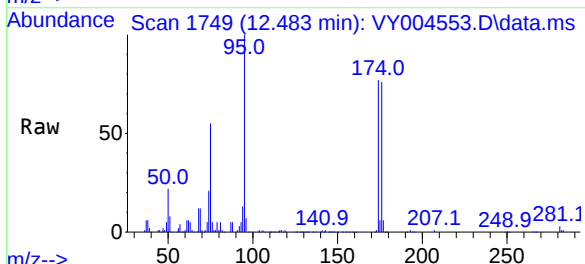
Instrument :
 MSVOA_Y
 ClientSampled :

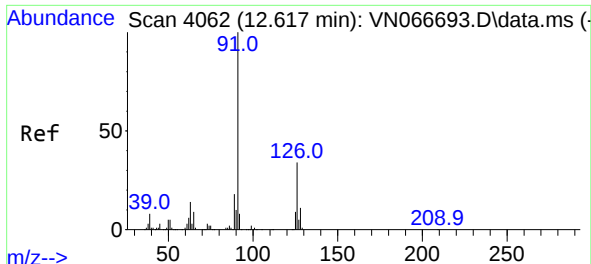
Tgt Ion:	152	Resp:	94894
Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.5	85.6
150	159.9	0.0	347.6



#76
 1,2,3-Trichloropropane
 Concen: 25.48 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.013 min
 Lab File: VY004553.D
 Acq: 21 Apr 2021 14:13

Tgt Ion:	75	Resp:	51735
Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#

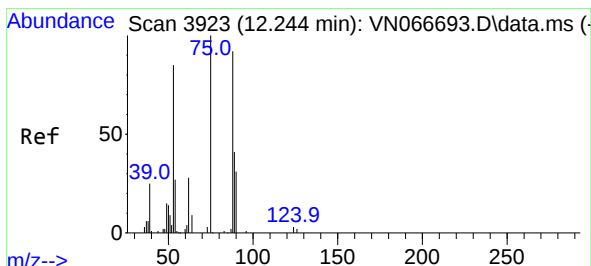
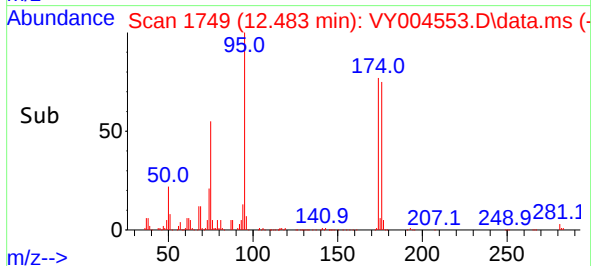
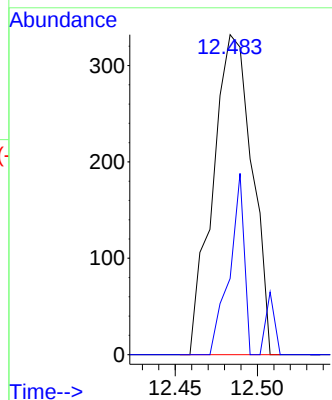
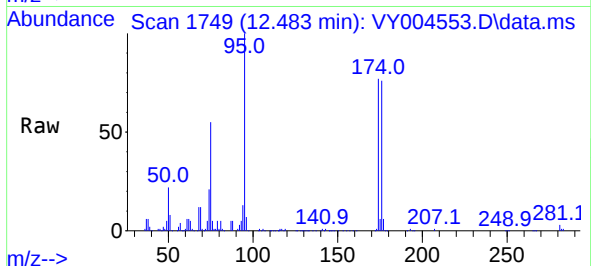




#79
2-Chlorotoluene
Concen: 1.04 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.134 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

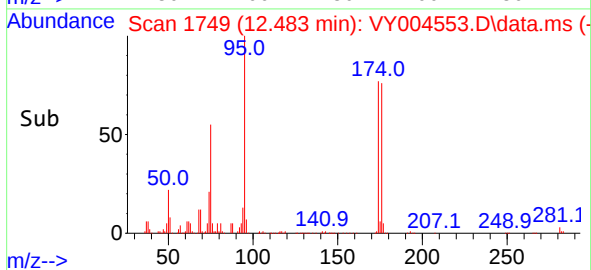
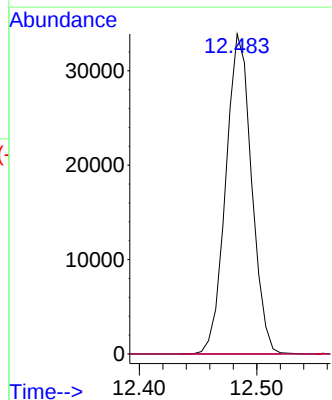
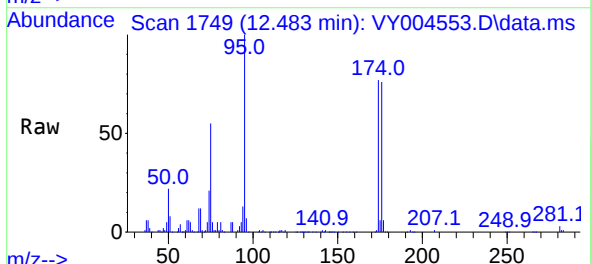
Instrument :
MSVOA_Y
ClientSampleId :

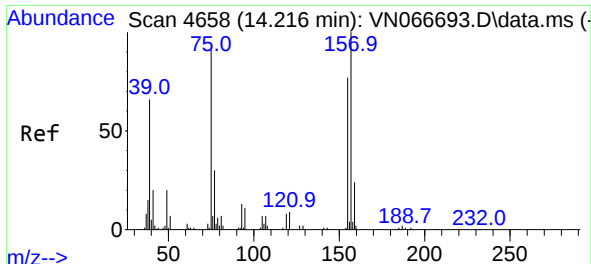
Tgt Ion: 91 Resp: 551
Ion Ratio Lower Upper
91 100
126 21.2 17.4 52.3



#81
trans-1,4-Dichloro-2-butene
Concen: 74.85 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.239 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

Tgt Ion: 75 Resp: 51672
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

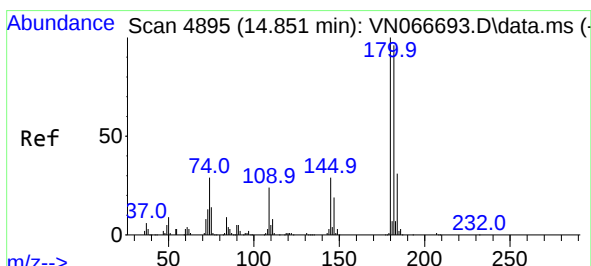
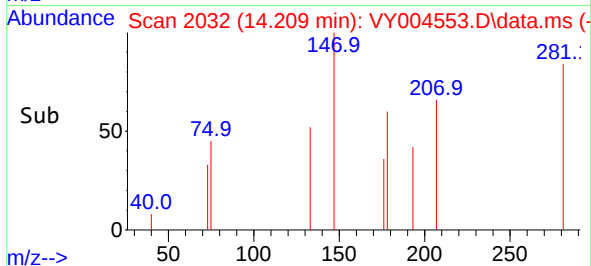
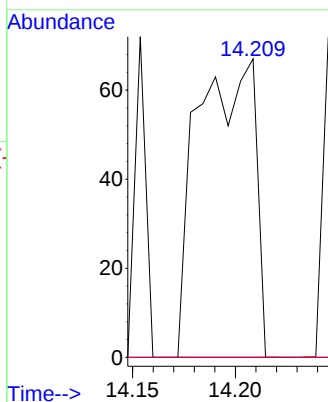
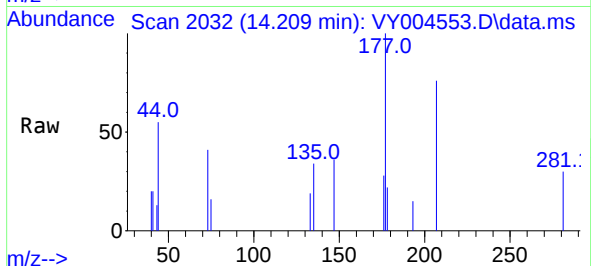




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.32 ug/l
RT: 14.209 min Scan# 2032
Delta R.T. -0.007 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

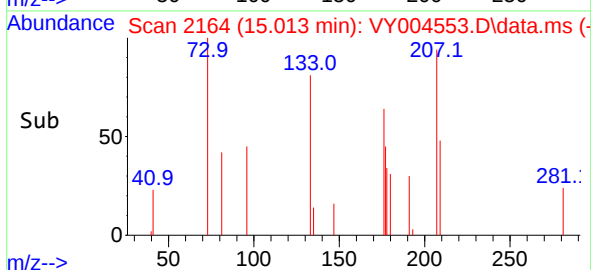
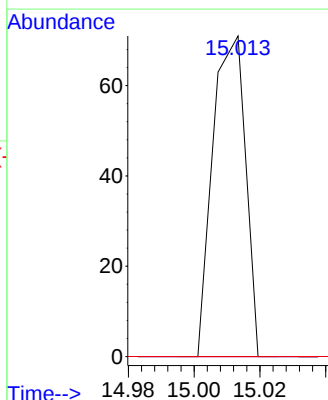
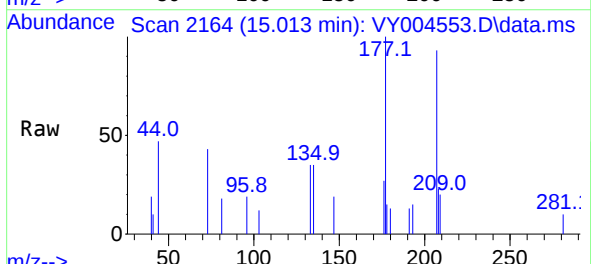
Instrument :
MSVOA_Y
ClientSampleId :

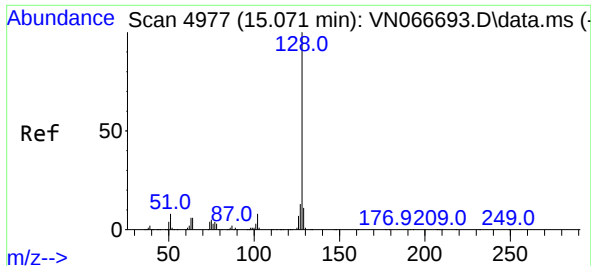
Tgt Ion: 75 Resp: 130
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#



#93
1,2,4-Trichlorobenzene
Concen: 2.03 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. 0.162 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

Tgt Ion: 180 Resp: 49
Ion Ratio Lower Upper
180 100
182 0.0 47.3 142.0#
145 0.0 15.6 46.8#

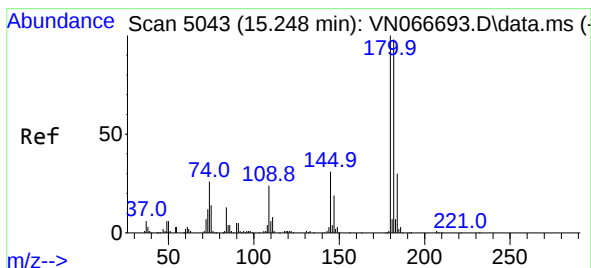
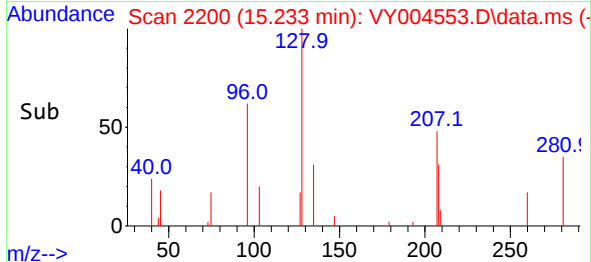
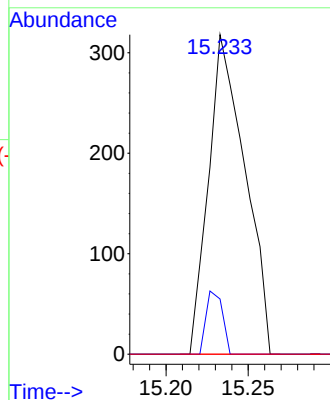
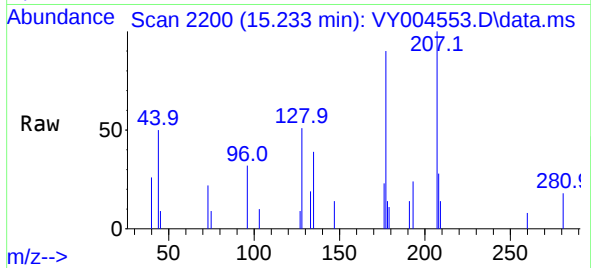




#95
Naphthalene
Concen: 1.95 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.162 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:128 Resp: 489
Ion Ratio Lower Upper
128 100
127 8.8 10.2 15.2#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.41 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. 0.174 min
Lab File: VY004553.D
Acq: 21 Apr 2021 14:13

Tgt Ion:180 Resp: 82
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.3#
145 0.0 16.5 49.5#

