

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042121\
 Data File : VY004551.D
 Acq On : 21 Apr 2021 13:27
 Operator : SY/MD
 Sample : M2112-01
 Misc : 5.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 22 11:07:11 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)

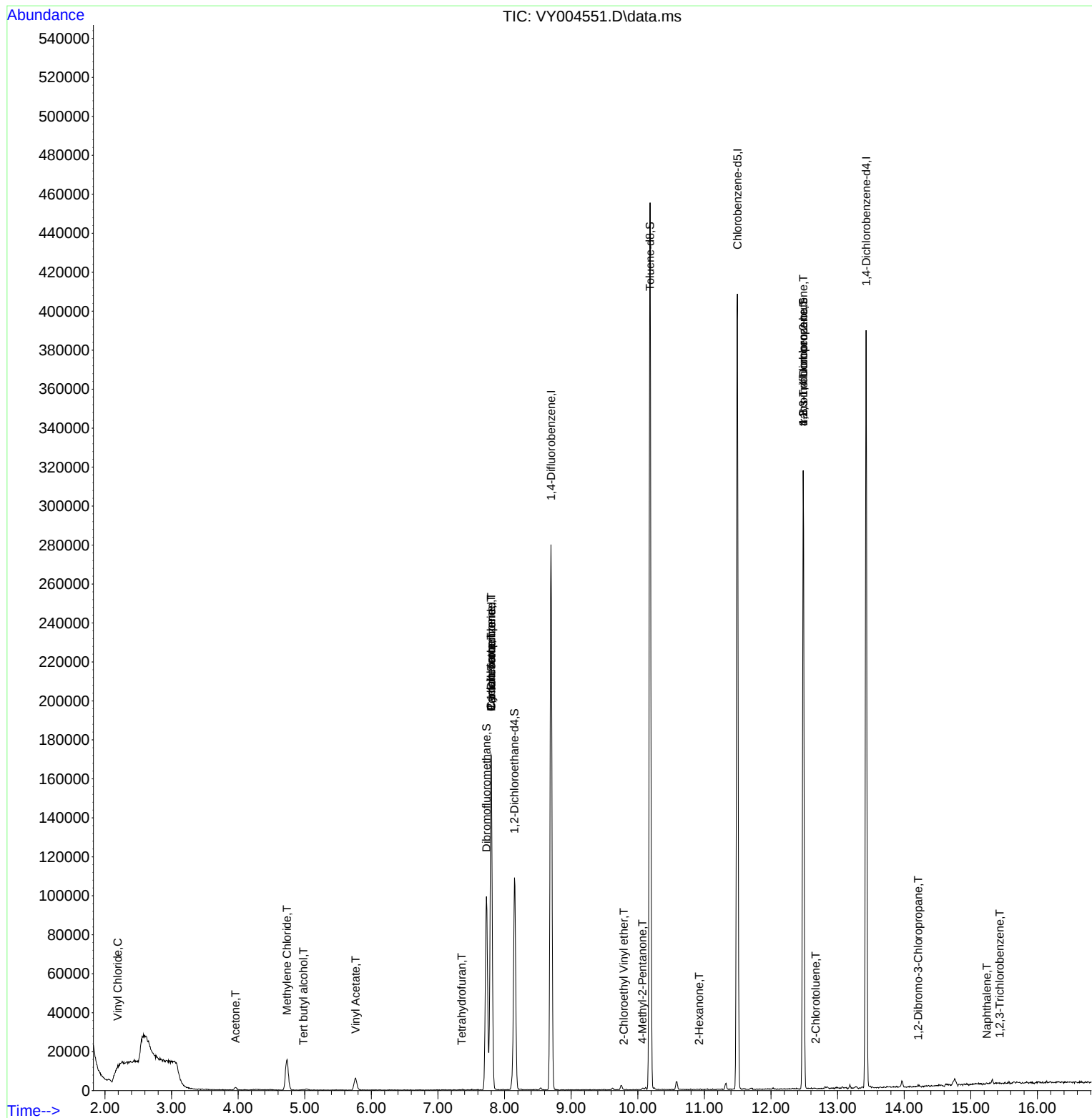
Internal Standards						
1) Pentafluorobenzene	7.801	168	129075	50.00	ug/l	0.21
34) 1,4-Difluorobenzene	8.697	114	225015	50.00	ug/l	0.18
63) Chlorobenzene-d5	11.496	117	209840	50.00	ug/l	0.15
72) 1,4-Dichlorobenzene-d4	13.428	152	91390	50.00	ug/l	0.14
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	82530	52.34	ug/l	0.20
Spiked Amount	50.000		Recovery	=	104.68%	
35) Dibromofluoromethane	7.728	113	69141	49.07	ug/l	0.22
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.185	98	277364	50.47	ug/l	0.16
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.483	95	91172	48.45	ug/l	0.14
Spiked Amount	50.000		Recovery	=	96.90%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.192	62	4875	2.64	ug/l #	43
11) Tert butyl alcohol	4.979	59	693	3.47	ug/l #	73
16) Acetone	3.960	43	2279	3.86	ug/l	99
20) Methylene Chloride	4.735	84	11191	6.38	ug/l #	83
23) Vinyl Acetate	5.765	43	3245	0.82	ug/l #	65
29) Tetrahydrofuran	7.356	42	237	0.41	ug/l #	51
31) Cyclohexane	7.795	56	3266	1.27	ug/l #	52
36) 1,1-Dichloropropene	7.795	75	10459	5.00	ug/l #	49
38) Carbon Tetrachloride	7.801	117	12707	6.38	ug/l #	16
51) 4-Methyl-2-Pentanone	10.069	43	831	0.42	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.789	63	49	22.27	ug/l #	47
59) 2-Hexanone	10.923	43	28	16.66	ug/l #	23
76) 1,2,3-Trichloropropane	12.483	75	51054	26.11	ug/l #	100
79) 2-Chlorotoluene	12.672	91	229	0.98	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.483	75	51034	76.62	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.209	75	101	0.26	ug/l #	1
95) Naphthalene	15.239	128	539	1.97	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.434	180	54	1.39	ug/l #	44

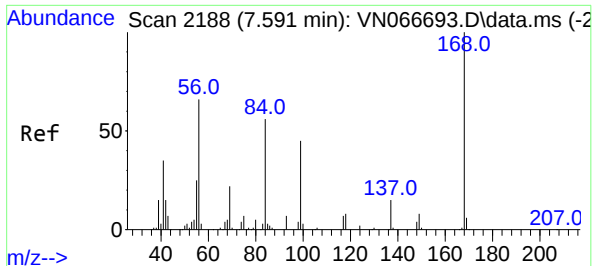
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

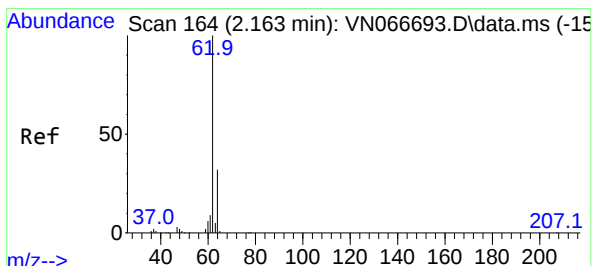
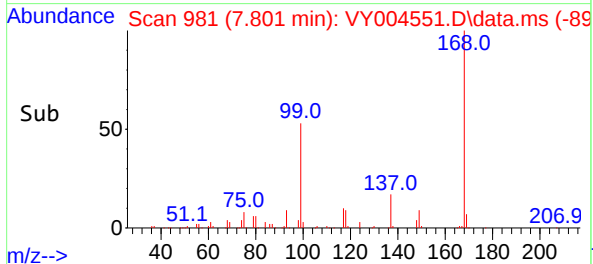
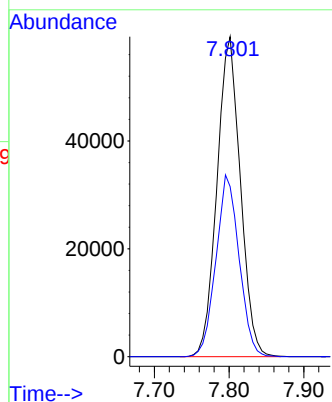
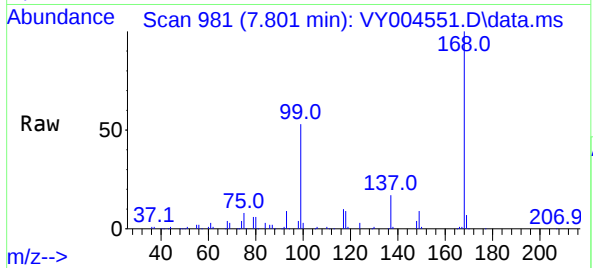




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.210 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

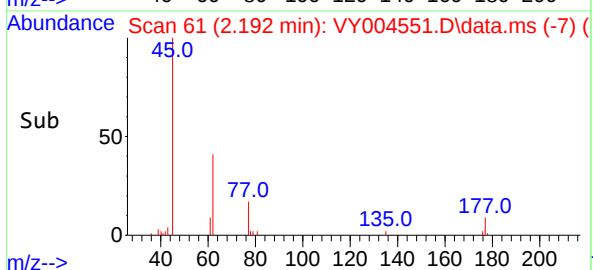
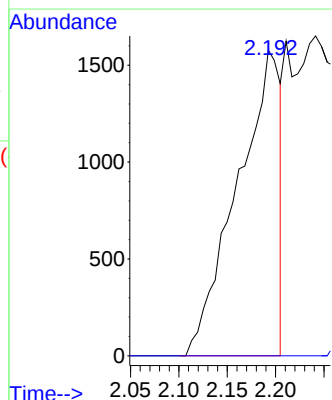
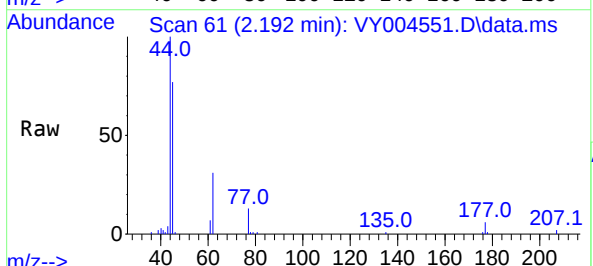
Instrument :
MSVOA_Y
ClientSampleId :

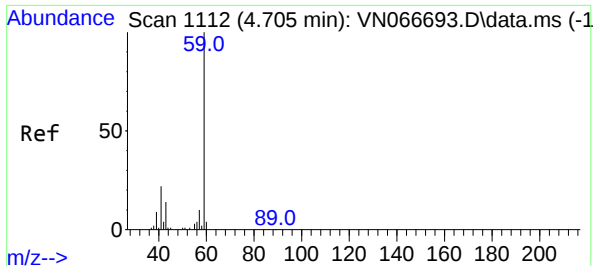
Tgt Ion:168 Resp: 129075
Ion Ratio Lower Upper
168 100
99 53.1 42.6 63.8



#4
Vinyl Chloride
Concen: 2.64 ug/l
RT: 2.192 min Scan# 61
Delta R.T. 0.029 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

Tgt Ion: 62 Resp: 4875
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#



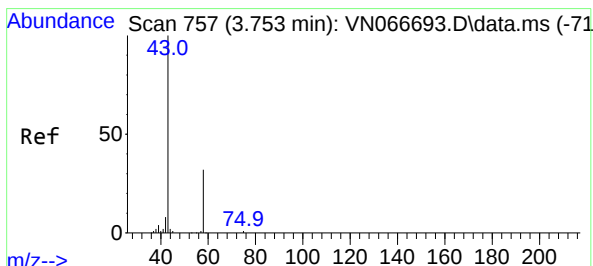
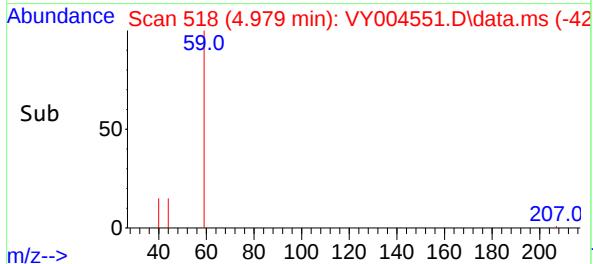
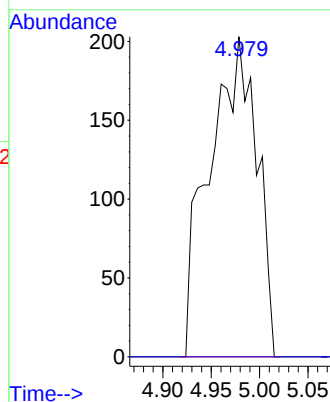
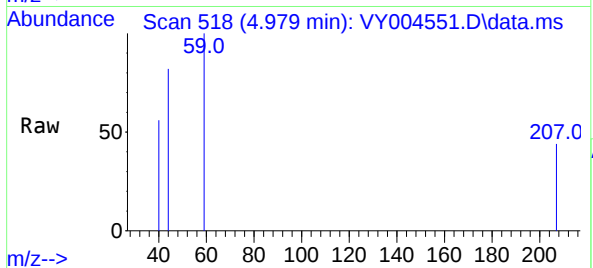


#11

Tert butyl alcohol
Concen: 3.47 ug/l
RT: 4.979 min Scan# 518
Delta R.T. 0.274 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

Instrument :
MSVOA_Y
ClientSampled :

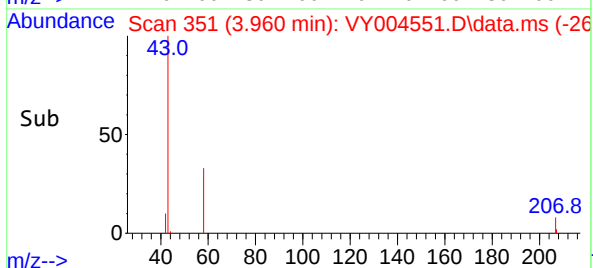
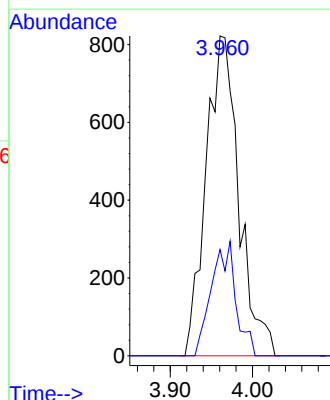
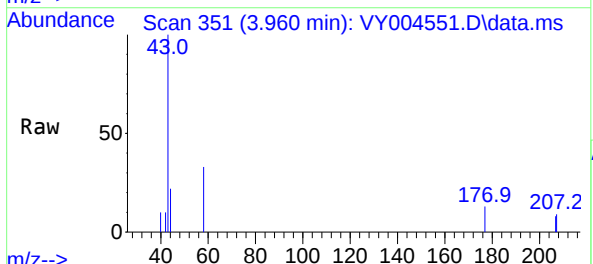
Tgt Ion: 59 Resp: 693
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

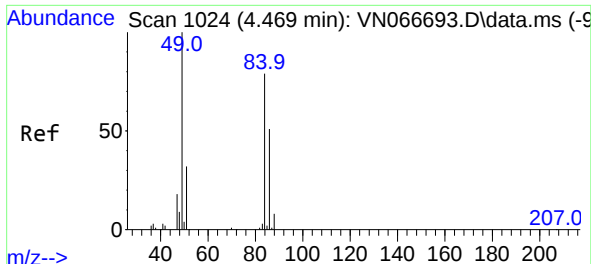


#16

Acetone
Concen: 3.86 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.207 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

Tgt Ion: 43 Resp: 2279
Ion Ratio Lower Upper
43 100
58 33.2 27.0 40.6





#20

Methylene Chloride

Concen: 6.38 ug/l

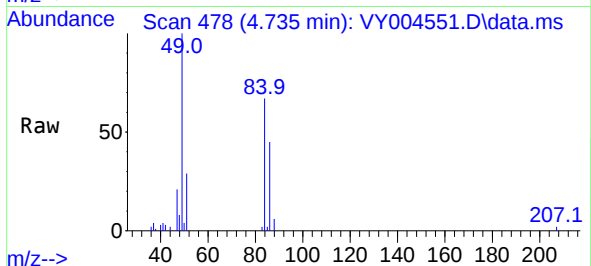
RT: 4.735 min Scan# 478

Delta R.T. 0.266 min

Lab File: VY004551.D

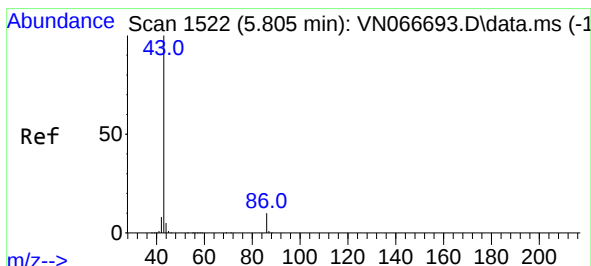
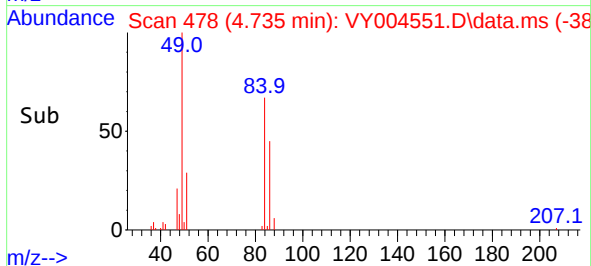
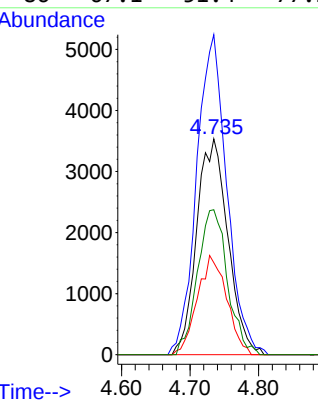
Acq: 21 Apr 2021 13:27

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 11191

Ion	Ratio	Lower	Upper
84	100		
49	148.2	94.6	141.8#
51	42.6	29.9	44.9
86	67.1	51.4	77.2



#23

Vinyl Acetate

Concen: 0.82 ug/l

RT: 5.765 min Scan# 647

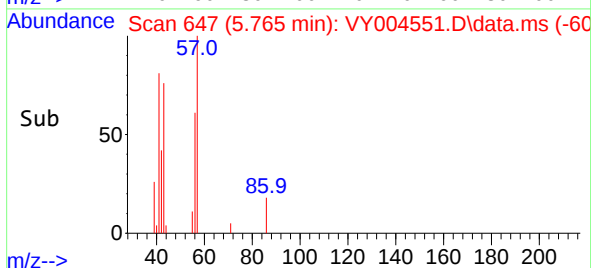
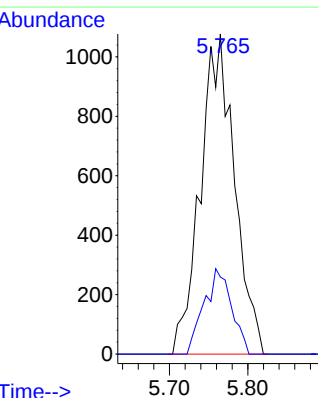
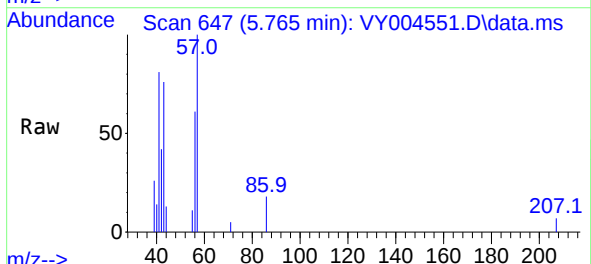
Delta R.T. -0.040 min

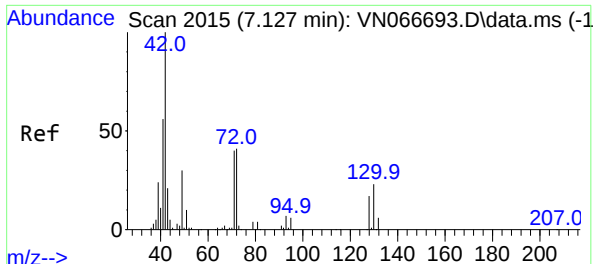
Lab File: VY004551.D

Acq: 21 Apr 2021 13:27

Tgt Ion: 43 Resp: 3245

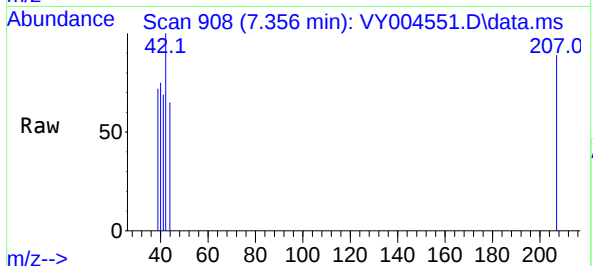
Ion	Ratio	Lower	Upper
43	100		
86	24.0	8.6	13.0#



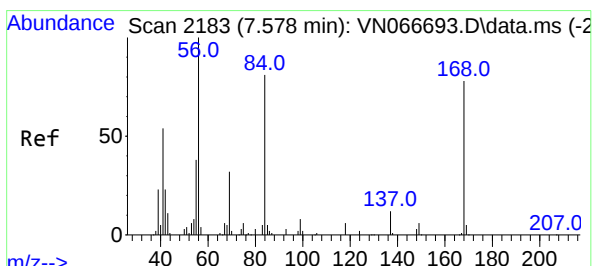
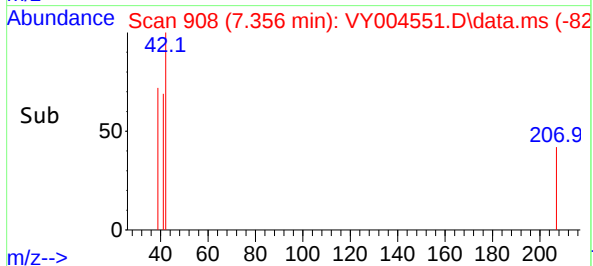
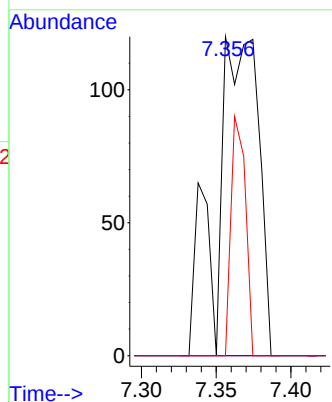


#29
Tetrahydrofuran
Concen: 0.41 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.229 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

Instrument :
MSVOA_Y
ClientSampleId :

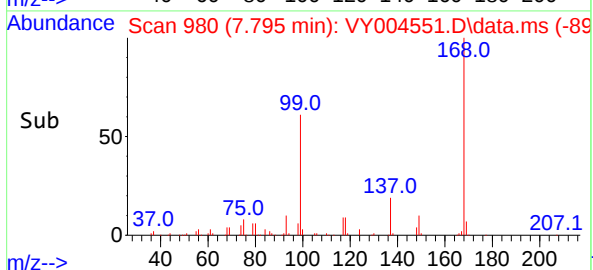
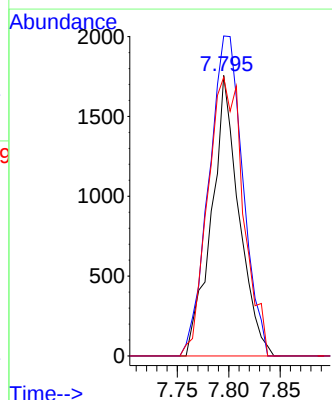
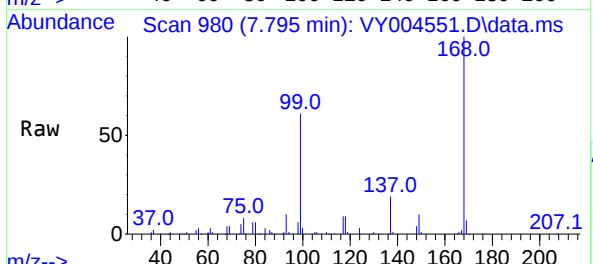


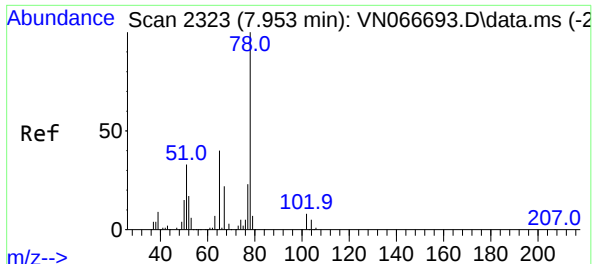
Tgt Ion: 42 Resp: 237
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 25.3 34.3 51.5#



#31
Cyclohexane
Concen: 1.27 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.217 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

Tgt Ion: 56 Resp: 3266
Ion Ratio Lower Upper
56 100
69 114.1 26.6 39.8#
84 99.4 70.4 105.6

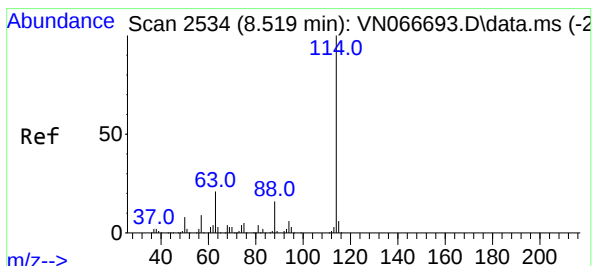
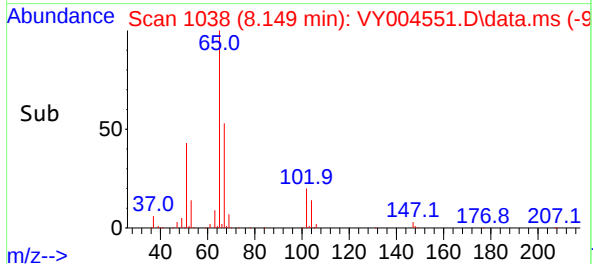
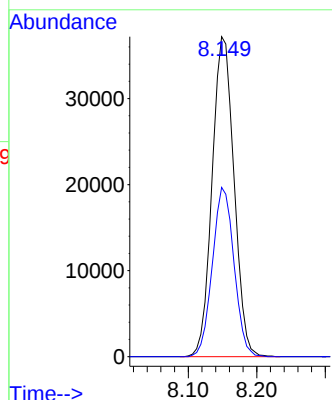
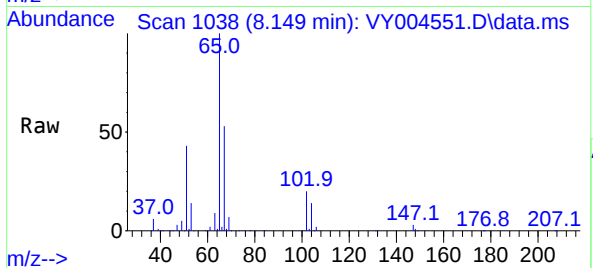




#33
1,2-Dichloroethane-d4
Concen: 52.34 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.196 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

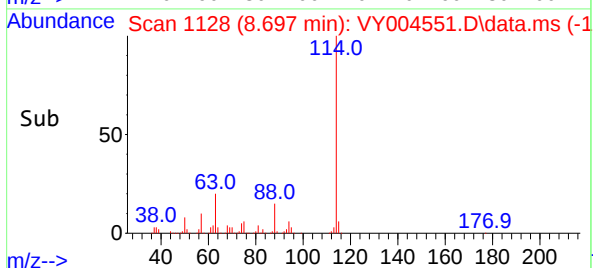
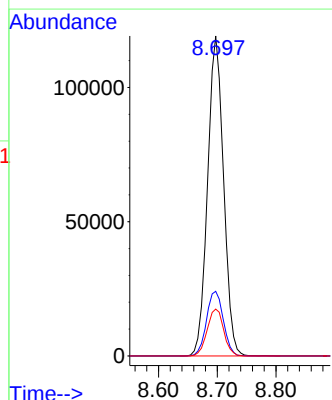
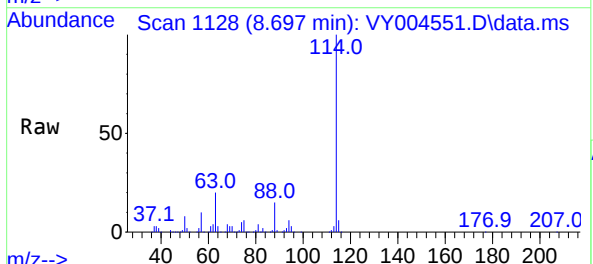
Instrument :
MSVOA_Y
ClientSampleId :

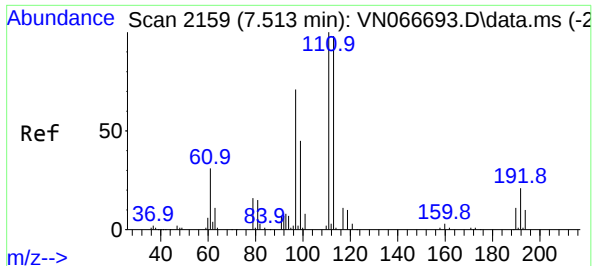
Tgt Ion: 65 Resp: 82530
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.178 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

Tgt Ion:114 Resp: 225015
Ion Ratio Lower Upper
114 100
63 20.2 0.0 38.6
88 14.7 0.0 30.6

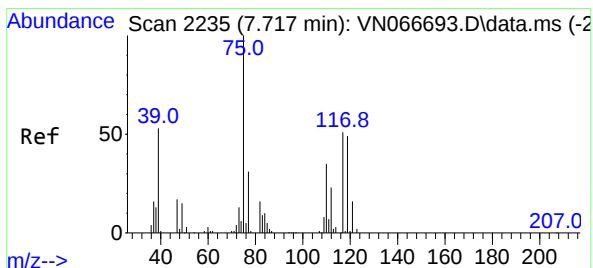
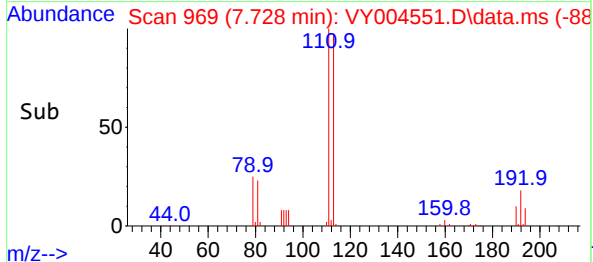
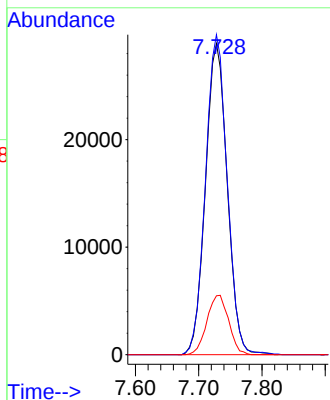
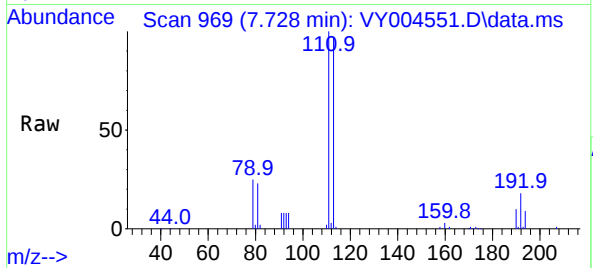




#35
Dibromofluoromethane
Concen: 49.07 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.215 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

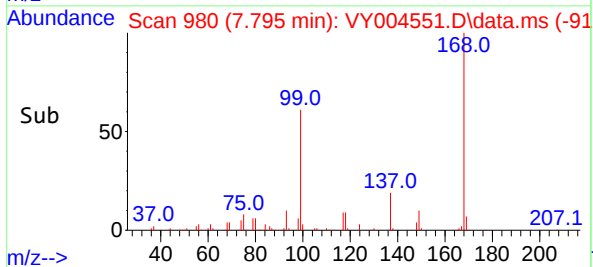
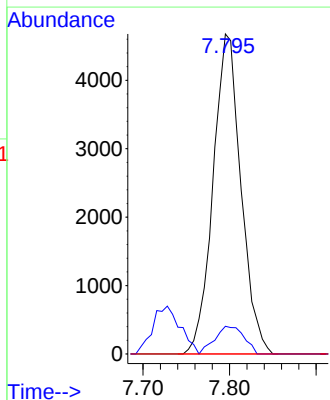
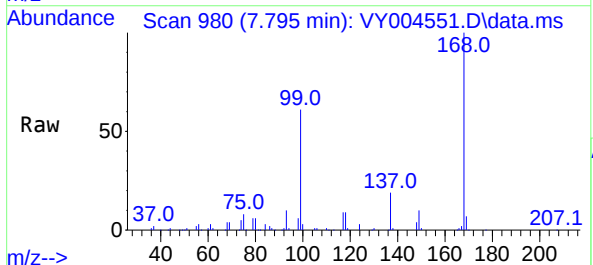
Instrument :
MSVOA_Y
ClientSampleId :

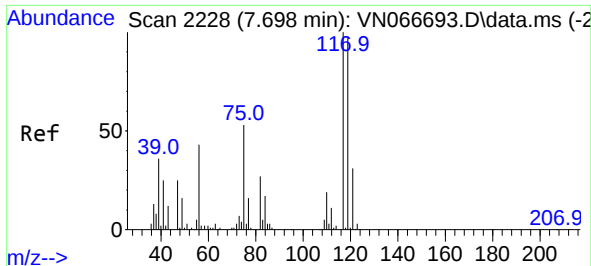
Tgt Ion:	113	Resp:	69141
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.2
192	19.0	15.4	23.0



#36
1,1-Dichloropropene
Concen: 5.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.078 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

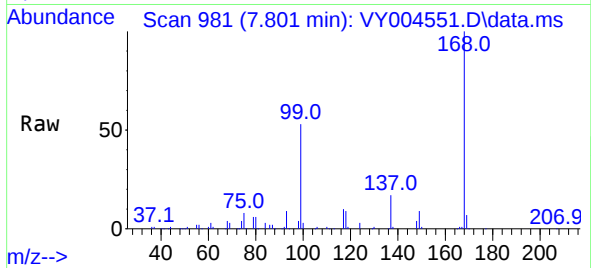
Tgt Ion:	75	Resp:	10459
Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.2	54.6#
77	0.0	24.9	37.3#



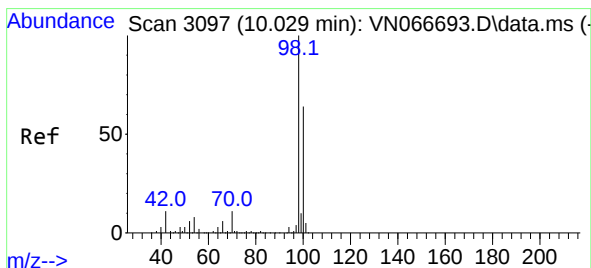
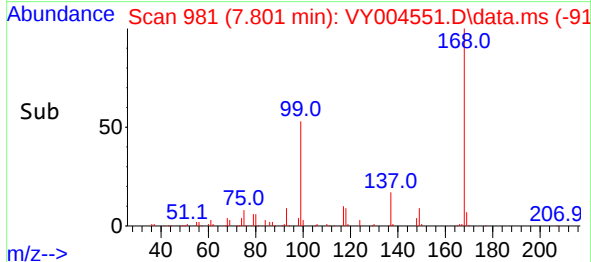
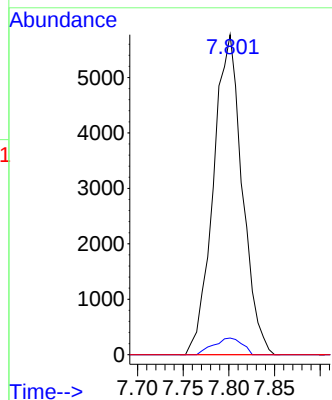


#38
Carbon Tetrachloride
Concen: 6.38 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.103 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

Instrument :
MSVOA_Y
ClientSampleId :

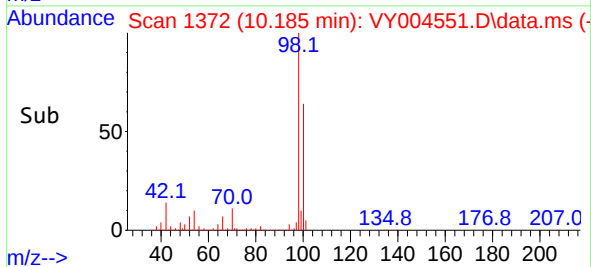
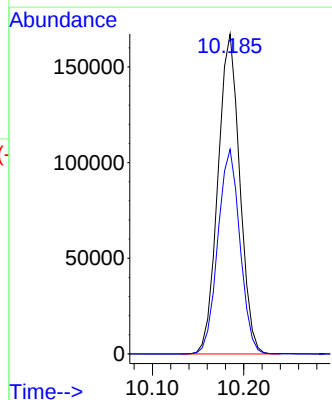
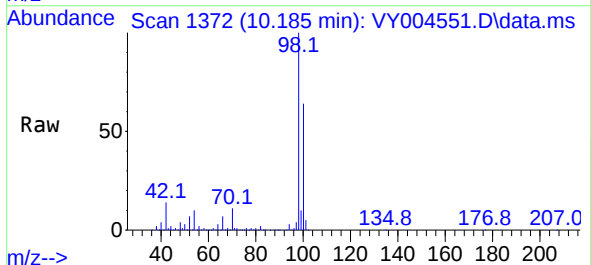


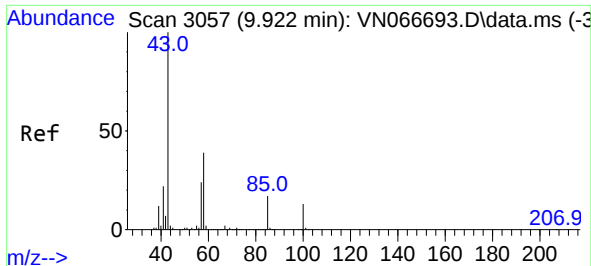
Tgt Ion: 117 Resp: 12707
Ion Ratio Lower Upper
117 100
119 5.2 76.0 114.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.47 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.156 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

Tgt Ion: 98 Resp: 277364
Ion Ratio Lower Upper
98 100
100 64.7 50.5 75.7

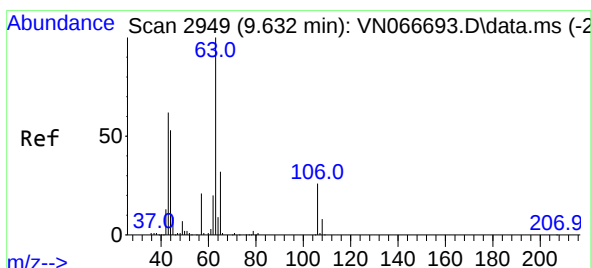
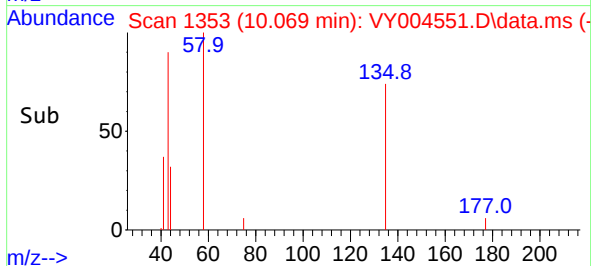
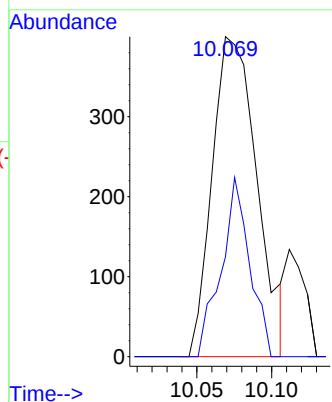
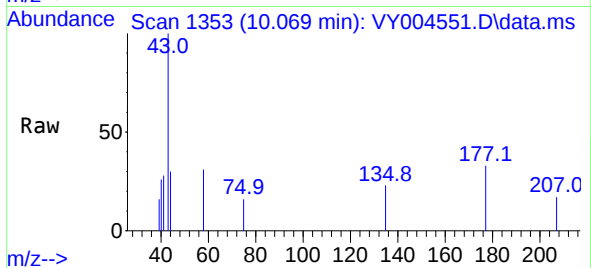




#51
4-Methyl-2-Pentanone
Concen: 0.42 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.147 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

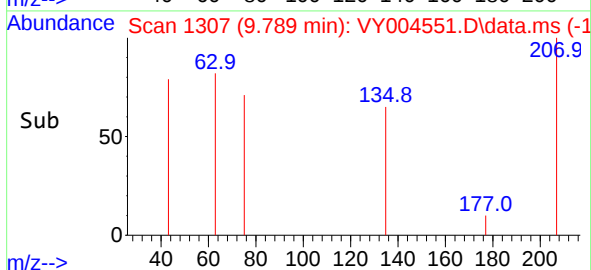
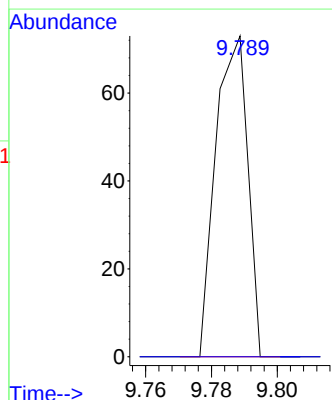
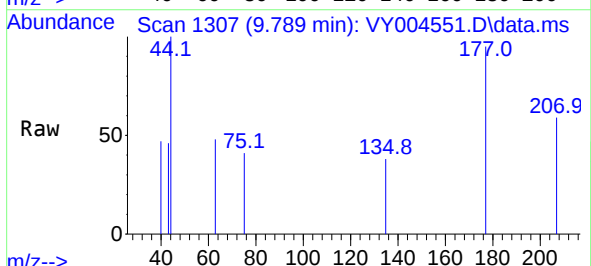
Instrument :
MSVOA_Y
ClientSampleId :

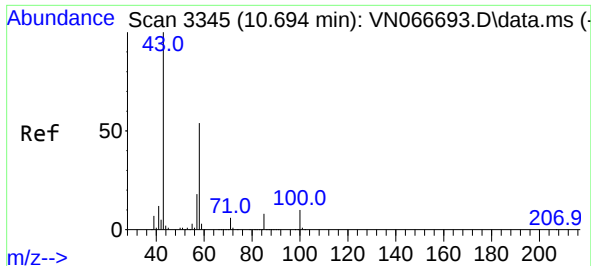
Tgt Ion: 43 Resp: 831
Ion Ratio Lower Upper
43 100
58 35.7 32.5 48.7



#58
2-Chloroethyl Vinyl ether
Concen: 22.27 ug/l
RT: 9.789 min Scan# 1307
Delta R.T. 0.157 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

Tgt Ion: 63 Resp: 49
Ion Ratio Lower Upper
63 100
106 0.0 22.6 33.8#

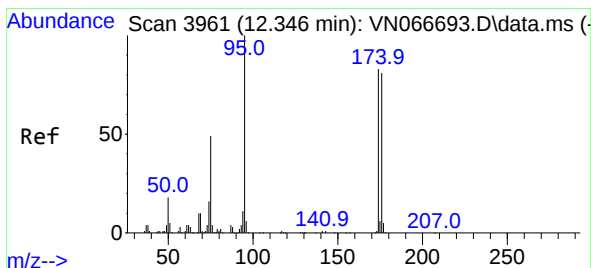
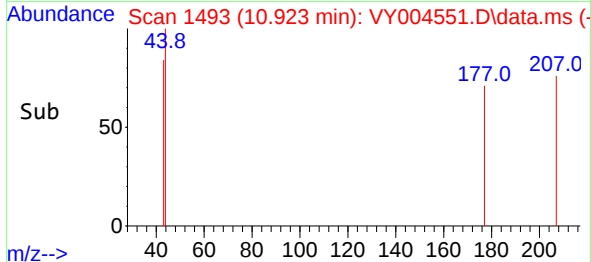
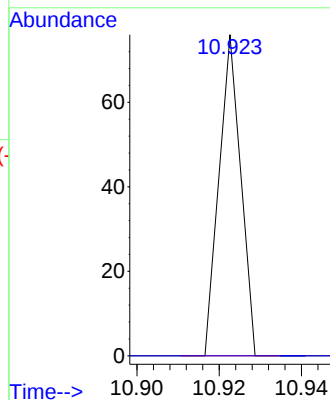
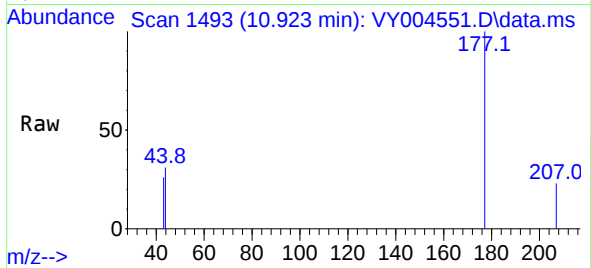




#59
2-Hexanone
Concen: 16.66 ug/l
RT: 10.923 min Scan# 1493
Delta R.T. 0.229 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

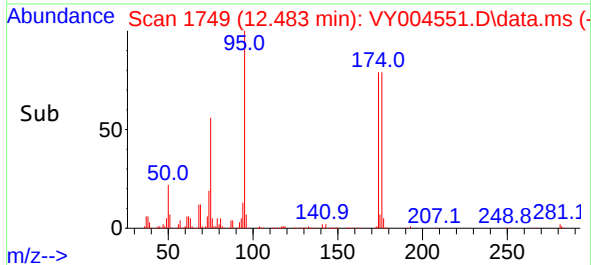
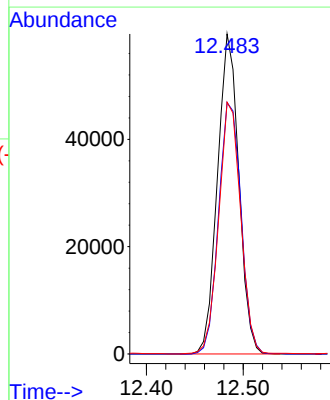
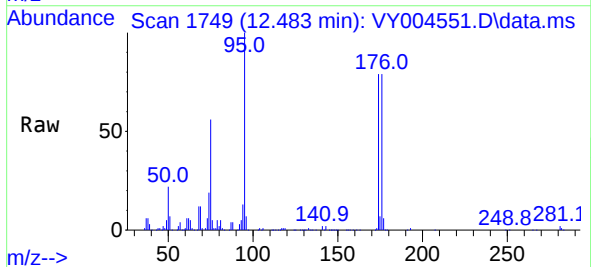
Instrument :
MSVOA_Y
ClientSampled :

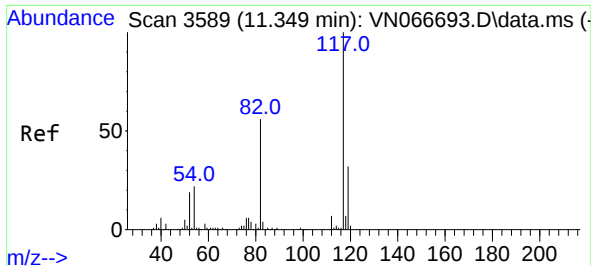
Tgt Ion: 43 Resp: 28
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 48.45 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.137 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

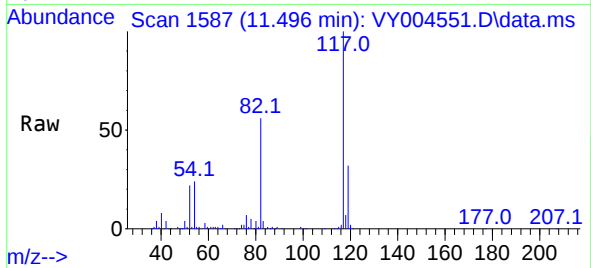
Tgt Ion: 95 Resp: 91172
Ion Ratio Lower Upper
95 100
174 82.6 0.0 169.0
176 81.3 0.0 162.4



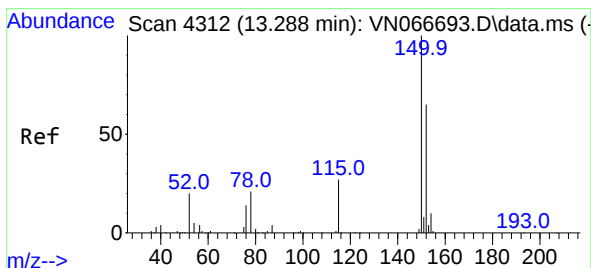
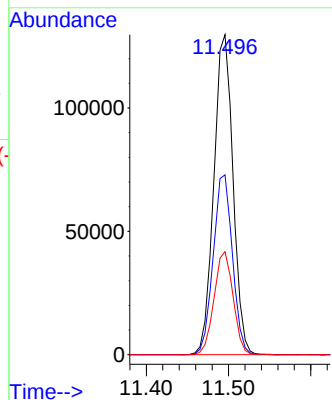
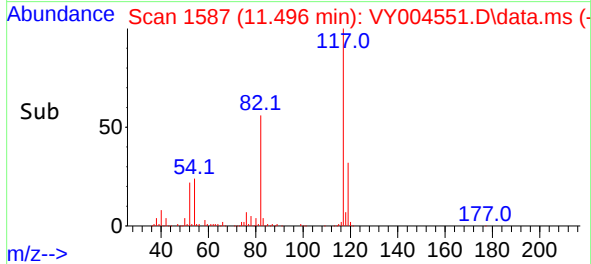


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.147 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

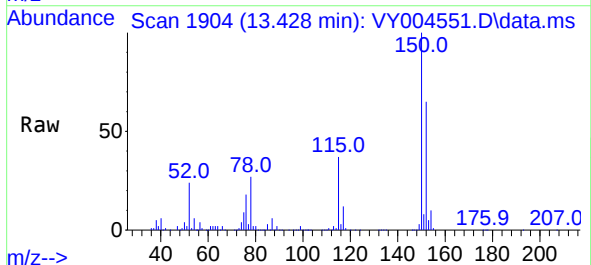
Instrument :
MSVOA_Y
ClientSampleId :



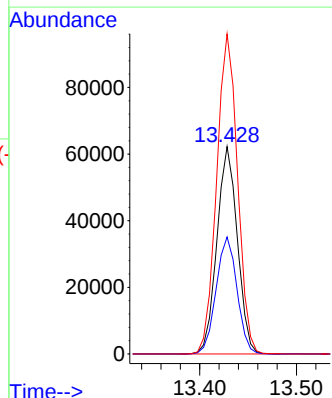
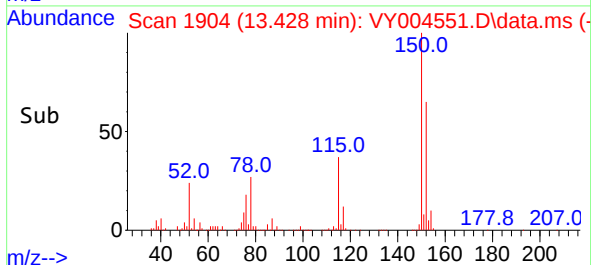
Tgt Ion:117 Resp: 209840
Ion Ratio Lower Upper
117 100
82 56.2 43.7 65.5
119 32.2 26.1 39.1

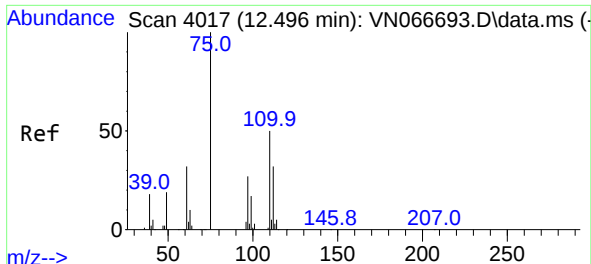


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.140 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27



Tgt Ion:152 Resp: 91390
Ion Ratio Lower Upper
152 100
115 57.5 28.5 85.6
150 157.5 0.0 347.6

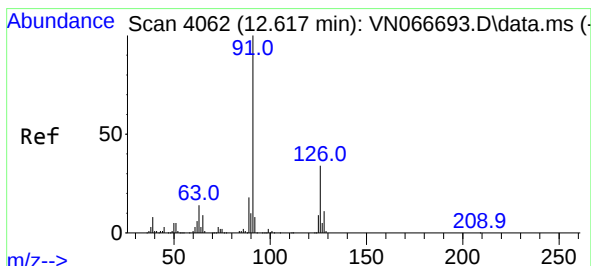
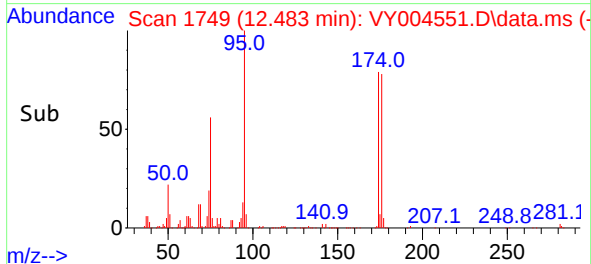
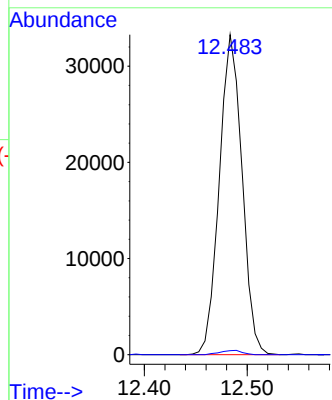
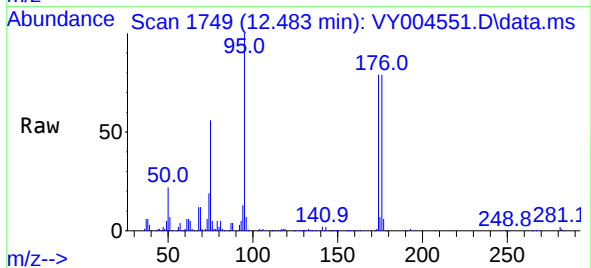




#76
1,2,3-Trichloropropane
Concen: 26.11 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.013 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

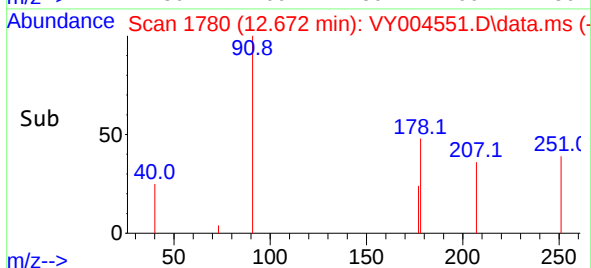
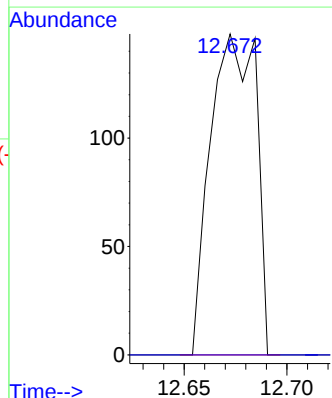
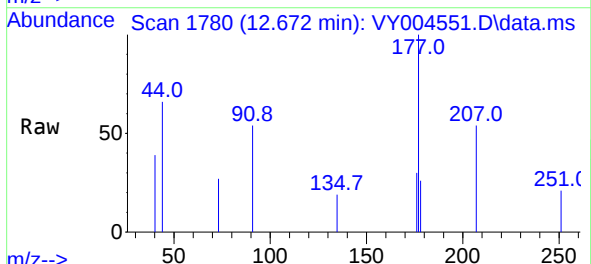
Instrument :
MSVOA_Y
ClientSampled :

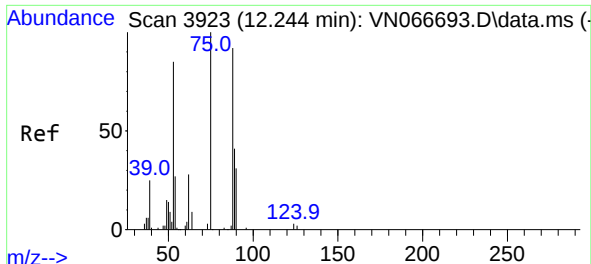
Tgt Ion: 75 Resp: 51054
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#79
2-Chlorotoluene
Concen: 0.98 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.055 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

Tgt Ion: 91 Resp: 229
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

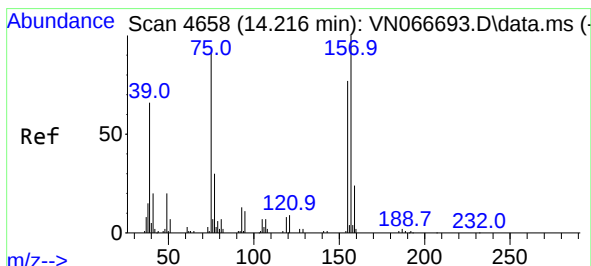
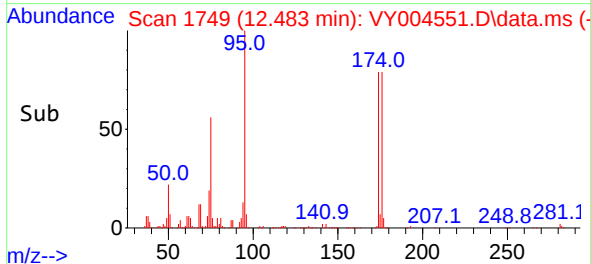
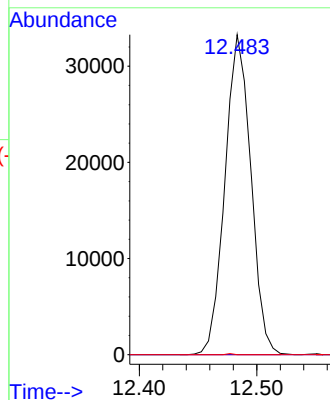
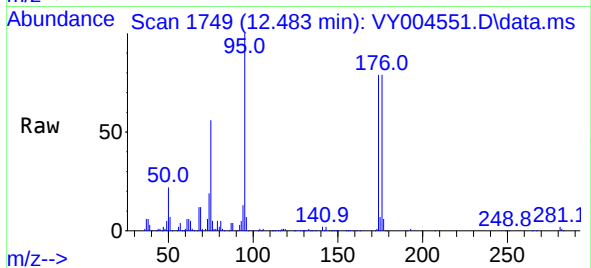




#81
trans-1,4-Dichloro-2-butene
Concen: 76.62 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.239 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

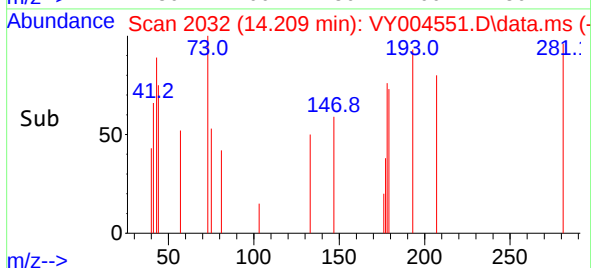
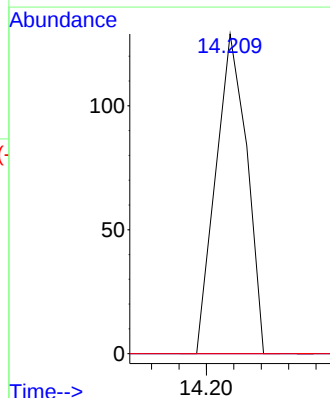
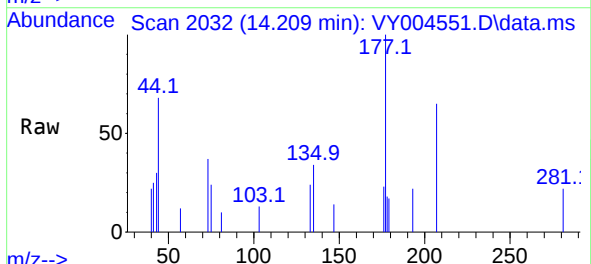
Instrument :
MSVOA_Y
ClientSampled :

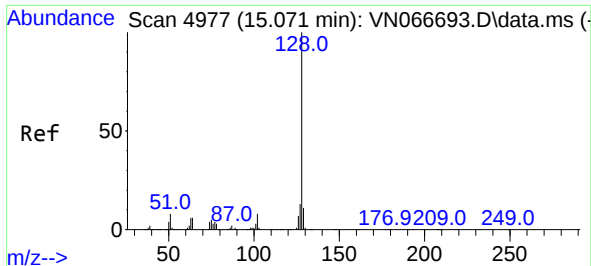
Tgt Ion: 75 Resp: 51034
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.26 ug/l
RT: 14.209 min Scan# 2032
Delta R.T. -0.007 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

Tgt Ion: 75 Resp: 101
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#

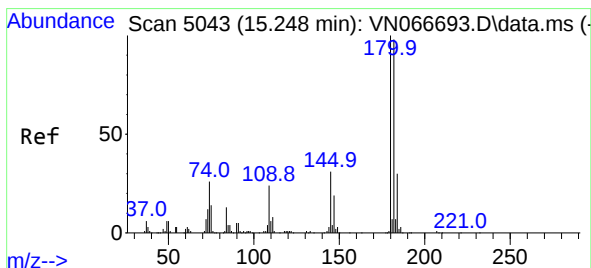
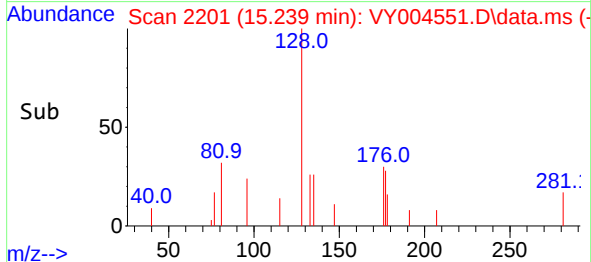
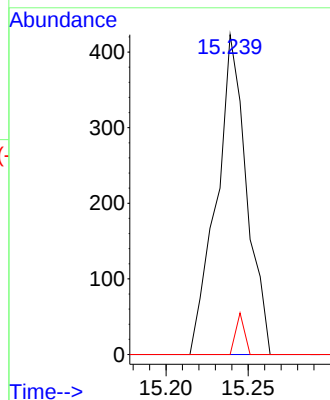
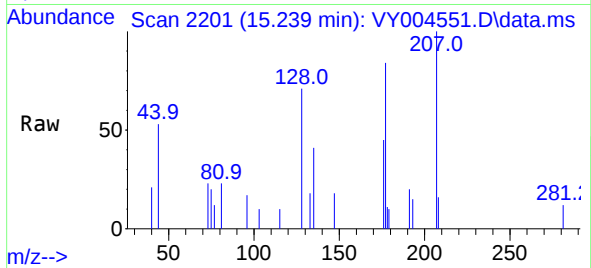




#95
Naphthalene
Concen: 1.97 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.168 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:	128	Resp:	539
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	3.7	8.6	13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.39 ug/l
RT: 15.434 min Scan# 2233
Delta R.T. 0.186 min
Lab File: VY004551.D
Acq: 21 Apr 2021 13:27

Tgt Ion:	180	Resp:	54
Ion	Ratio	Lower	Upper
180	100		
182	40.7	47.4	142.3#
145	0.0	16.5	49.5#

