

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042121\
 Data File : VY004559.D
 Acq On : 21 Apr 2021 16:33
 Operator : SY/MD
 Sample : M2111-07
 Misc : 5.09G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 22 11:09:44 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)

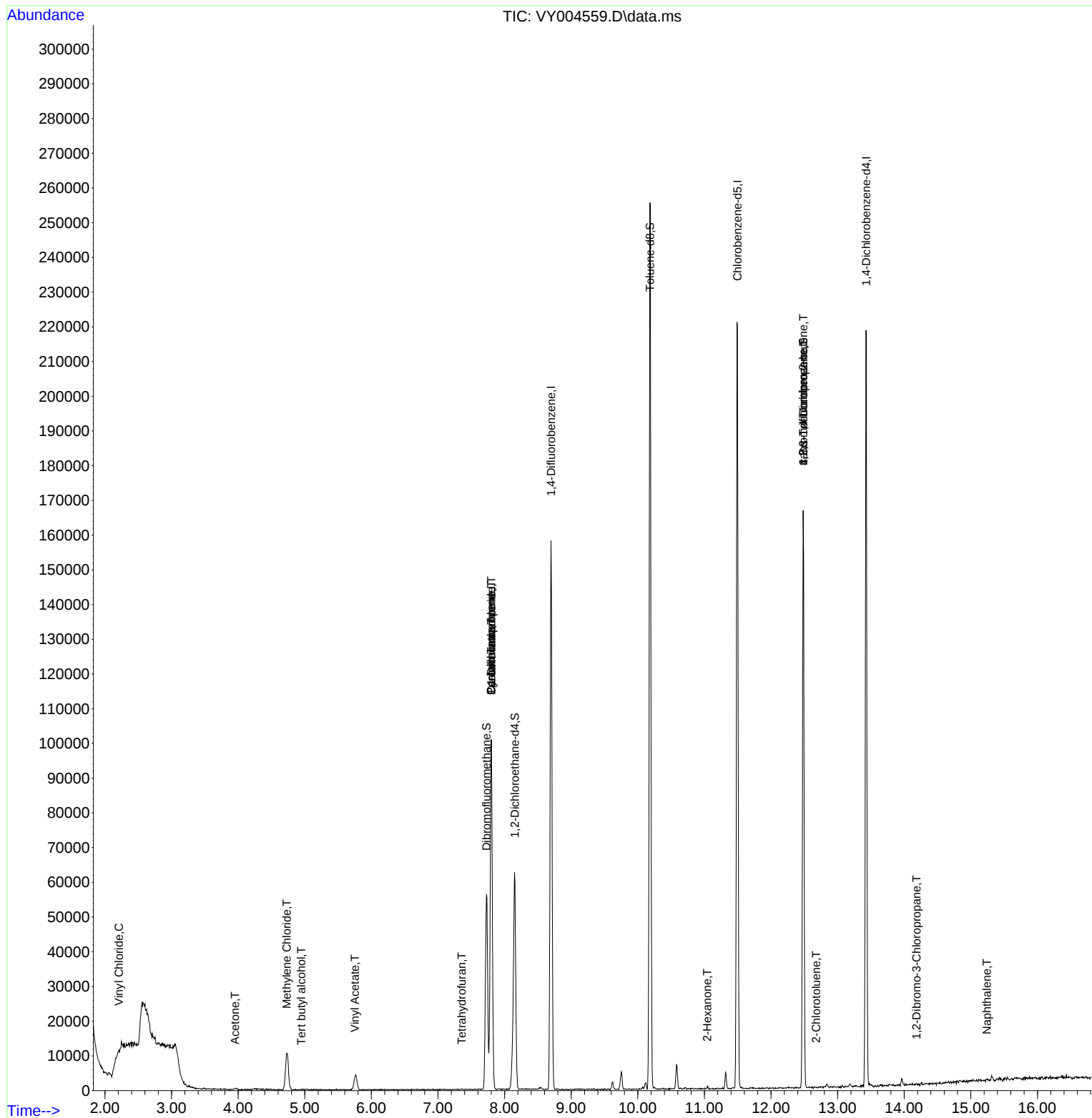
Internal Standards						
1) Pentafluorobenzene	7.801	168	74984	50.00	ug/l	0.21
34) 1,4-Difluorobenzene	8.697	114	127876	50.00	ug/l	0.18
63) Chlorobenzene-d5	11.496	117	115614	50.00	ug/l	0.15
72) 1,4-Dichlorobenzene-d4	13.428	152	50942	50.00	ug/l	0.14
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	44724	48.82	ug/l	0.20
Spiked Amount 50.000			Recovery	=	97.64%	
35) Dibromofluoromethane	7.728	113	38937	48.62	ug/l	0.22
Spiked Amount 50.000			Recovery	=	97.24%	
50) Toluene-d8	10.185	98	155968	49.94	ug/l	0.16
Spiked Amount 50.000			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.483	95	48725	45.56	ug/l	0.14
Spiked Amount 50.000			Recovery	=	91.12%	
Target Compounds					Qvalue	
4) Vinyl Chloride	2.211	62	5080	4.73	ug/l #	43
11) Tert butyl alcohol	4.948	59	120	1.03	ug/l #	73
16) Acetone	3.954	43	840	2.45	ug/l #	69
20) Methylene Chloride	4.729	84	7479	7.34	ug/l	92
23) Vinyl Acetate	5.753	43	2226	0.97	ug/l #	94
29) Tetrahydrofuran	7.356	42	110	0.32	ug/l #	32
31) Cyclohexane	7.801	56	1810	1.21	ug/l #	34
36) 1,1-Dichloropropene	7.801	75	6186	5.20	ug/l #	48
38) Carbon Tetrachloride	7.801	117	7388	6.53	ug/l #	16
59) 2-Hexanone	11.044	43	227	16.89	ug/l #	23
76) 1,2,3-Trichloropropane	12.483	75	27626	25.34	ug/l #	100
79) 2-Chlorotoluene	12.678	91	26	0.95	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.483	75	27570	74.43	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.184	75	50	0.23	ug/l #	1
95) Naphthalene	15.239	128	254	1.95	ug/l #	69

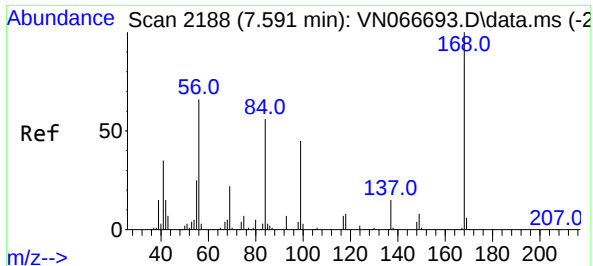
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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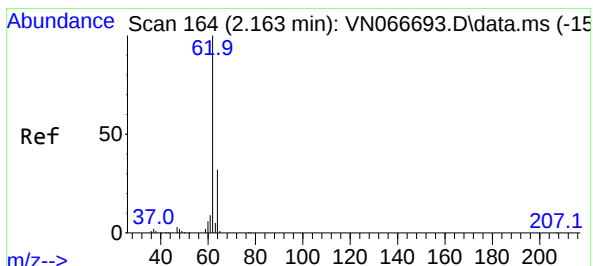
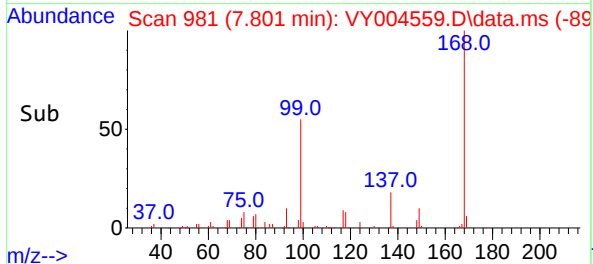
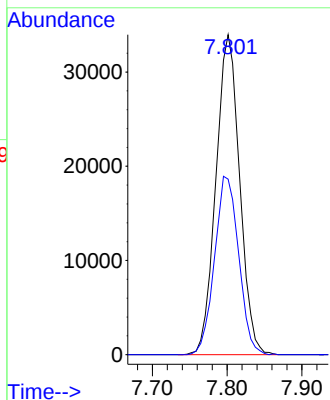
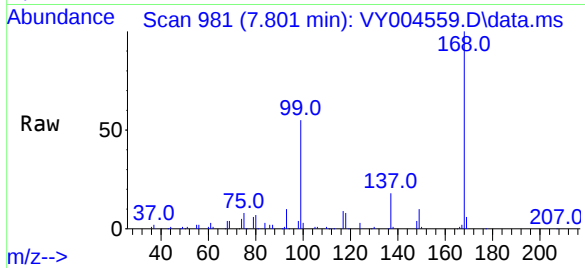




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.210 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

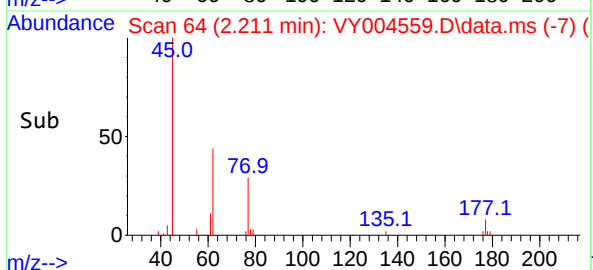
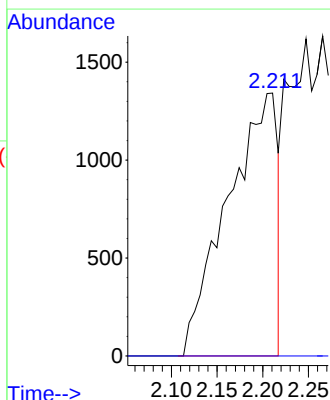
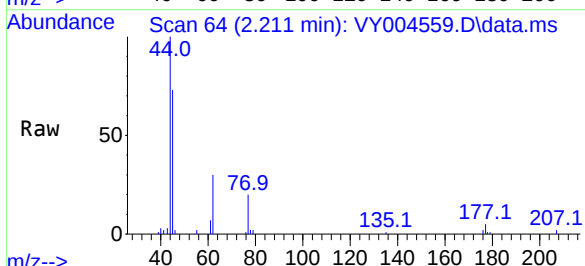
Instrument :
MSVOA_Y
ClientSampled :

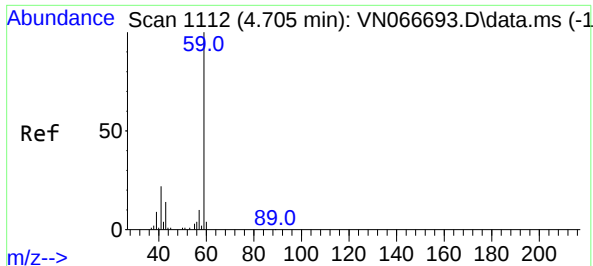
Tgt Ion:168 Resp: 74984
Ion Ratio Lower Upper
168 100
99 54.9 42.6 63.8



#4
Vinyl Chloride
Concen: 4.73 ug/l
RT: 2.211 min Scan# 64
Delta R.T. 0.048 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

Tgt Ion: 62 Resp: 5080
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#



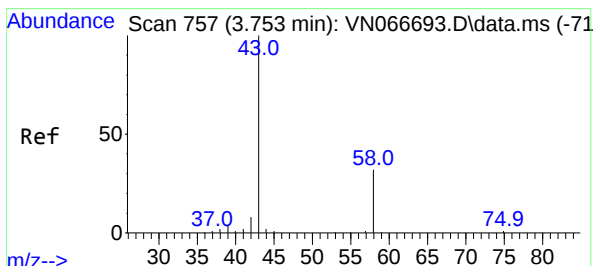
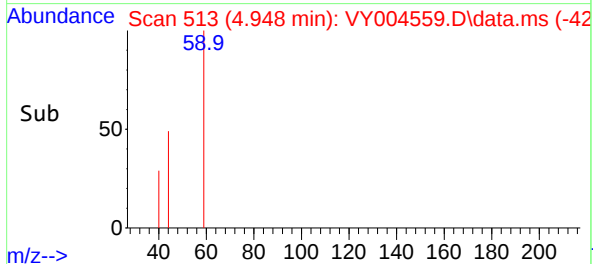
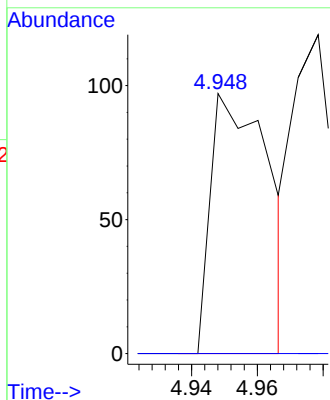
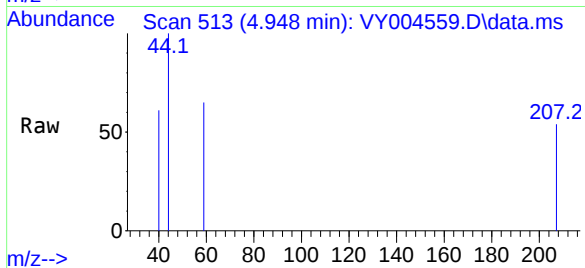


#11

Tert butyl alcohol
Concen: 1.03 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.243 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

Instrument :
MSVOA_Y
ClientSampled :

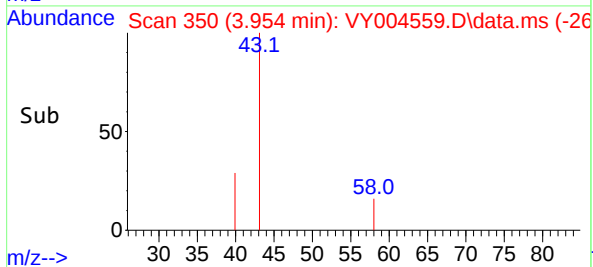
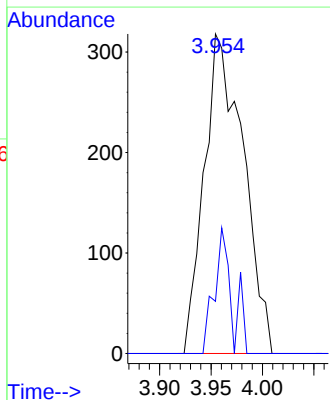
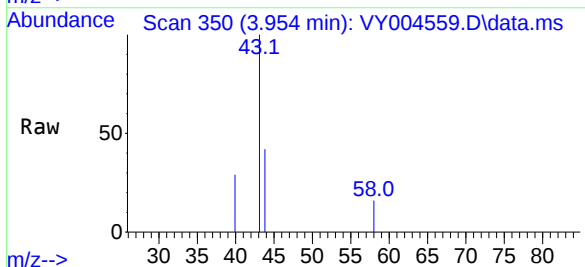
Tgt Ion: 59 Resp: 120
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

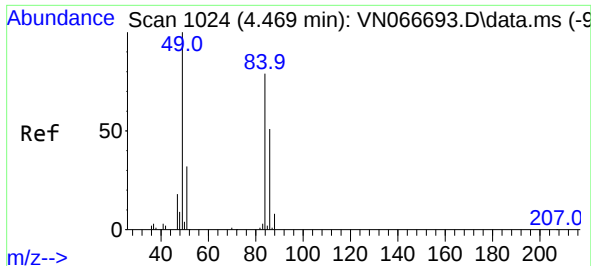


#16

Acetone
Concen: 2.45 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.201 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

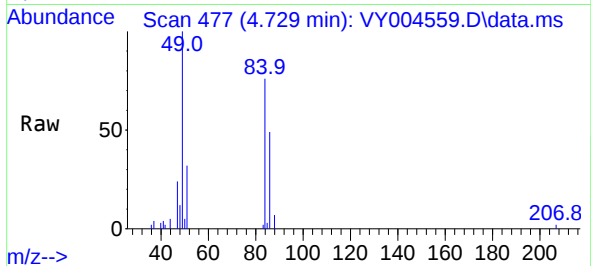
Tgt Ion: 43 Resp: 840
Ion Ratio Lower Upper
43 100
58 16.4 27.0 40.6#





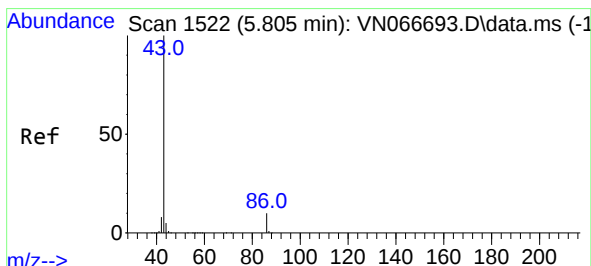
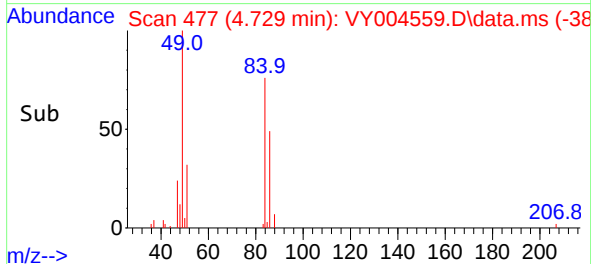
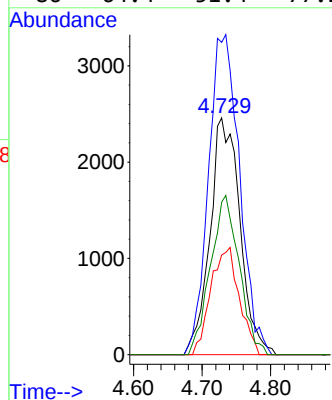
#20
Methylene Chloride
Concen: 7.34 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.260 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 7479

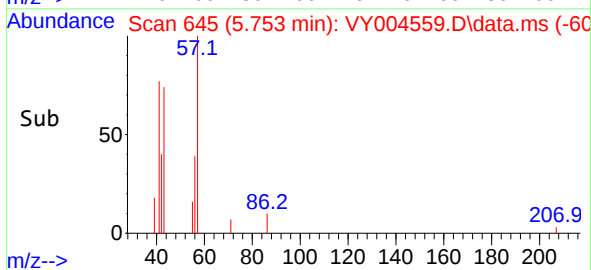
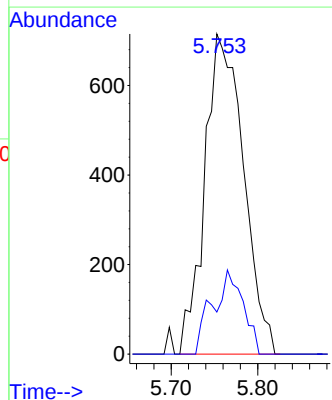
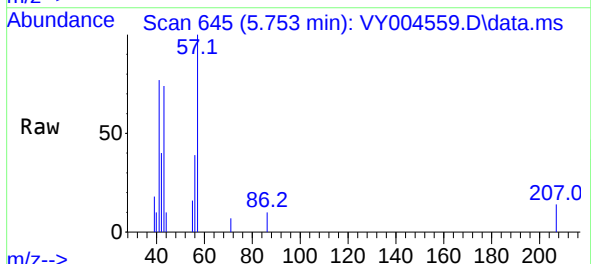
Ion	Ratio	Lower	Upper
84	100		
49	131.9	94.6	141.8
51	42.1	29.9	44.9
86	64.4	51.4	77.2

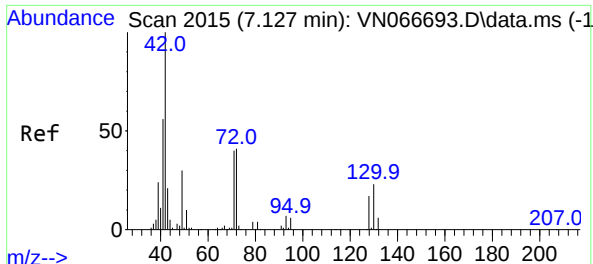


#23
Vinyl Acetate
Concen: 0.97 ug/l
RT: 5.753 min Scan# 645
Delta R.T. -0.052 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

Tgt Ion: 43 Resp: 2226

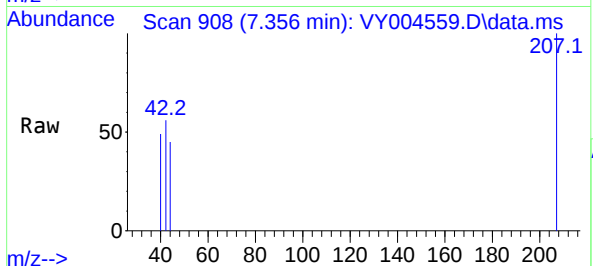
Ion	Ratio	Lower	Upper
43	100		
86	13.1	8.6	13.0#





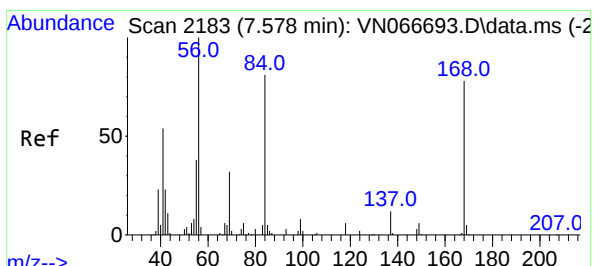
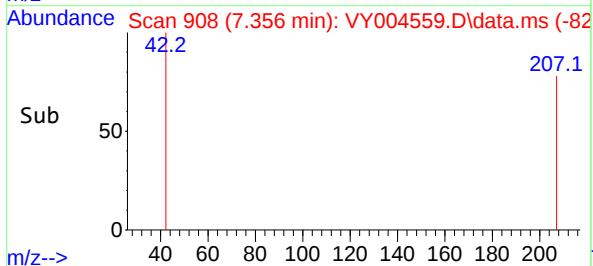
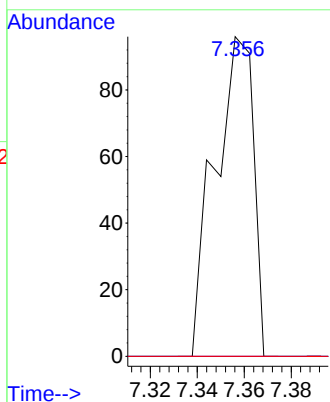
#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.229 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

Instrument :
MSVOA_Y
ClientSampleId :

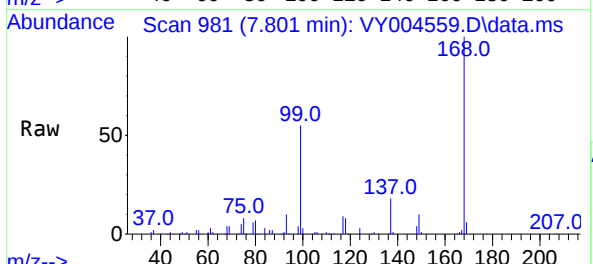


Tgt Ion: 42 Resp: 110

Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	0.0	34.3	51.5#

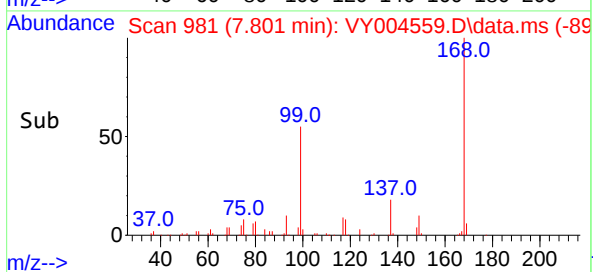
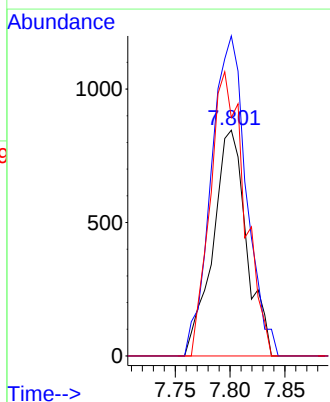


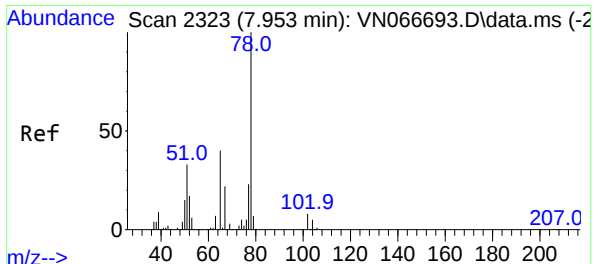
#31
Cyclohexane
Concen: 1.21 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.223 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33



Tgt Ion: 56 Resp: 1810

Ion	Ratio	Lower	Upper
56	100		
69	141.7	26.6	39.8#
84	105.6	70.4	105.6

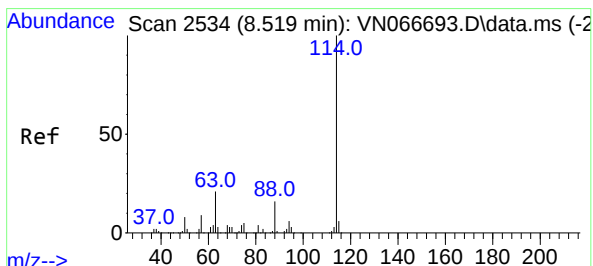
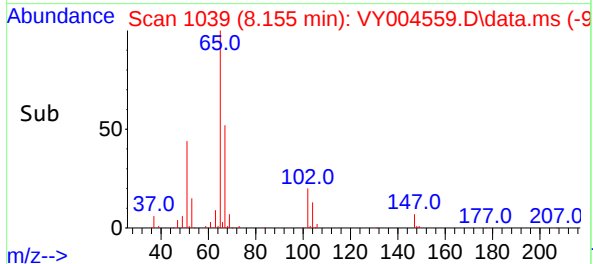
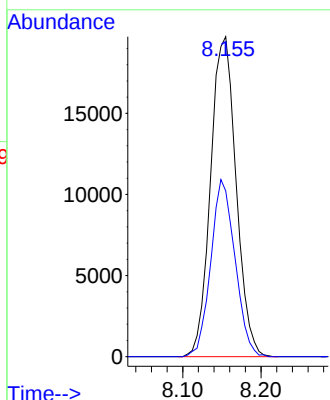
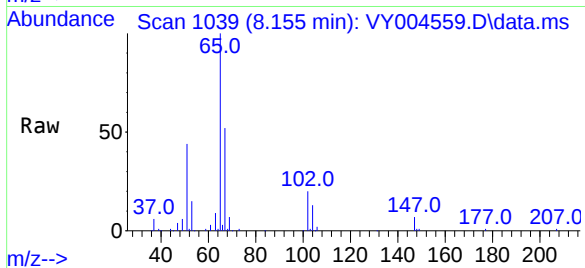




#33
1,2-Dichloroethane-d4
Concen: 48.82 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.202 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

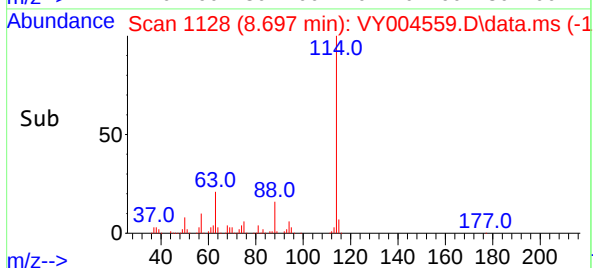
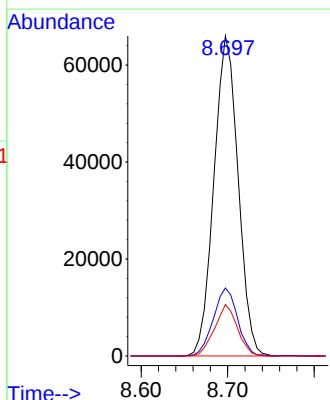
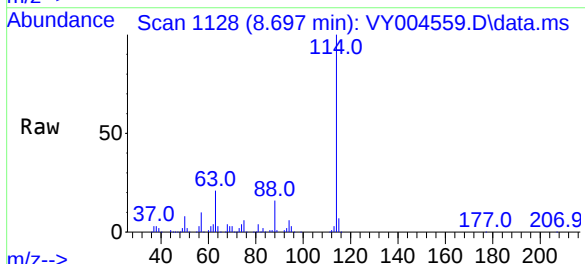
Instrument :
MSVOA_Y
ClientSampleId :

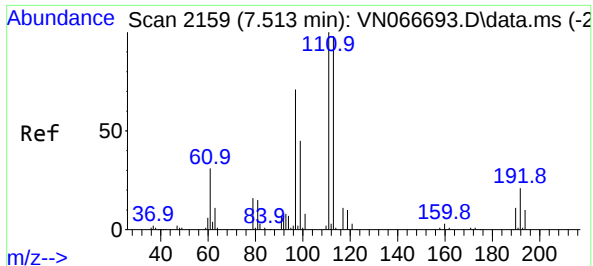
Tgt Ion: 65 Resp: 44724
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.178 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

Tgt Ion: 114 Resp: 127876
Ion Ratio Lower Upper
114 100
63 21.3 0.0 38.6
88 16.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.62 ug/l

RT: 7.728 min Scan# 969

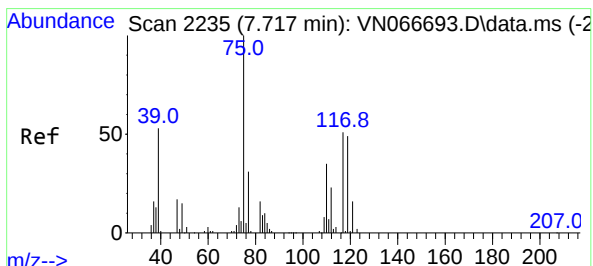
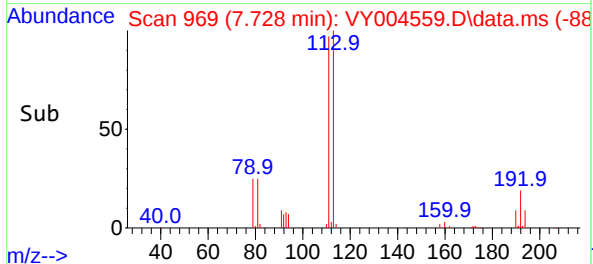
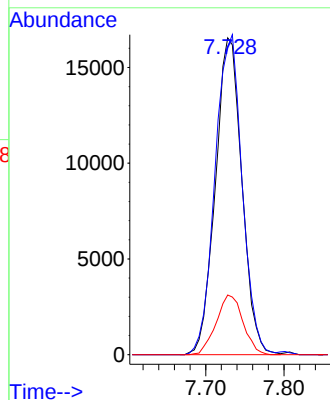
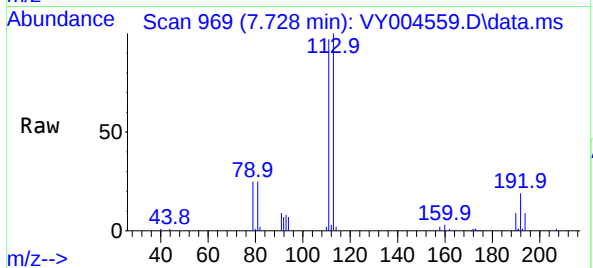
Delta R.T. 0.215 min

Lab File: VY004559.D

Acq: 21 Apr 2021 16:33

Tgt Ion:	113	Resp:	38937
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.2
192	19.0	15.4	23.0

Instrument :
MSVOA_Y
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 5.20 ug/l

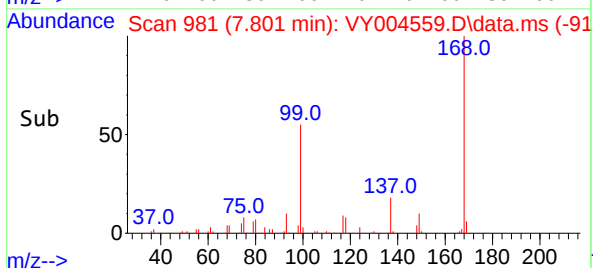
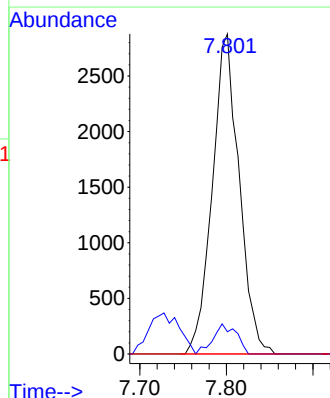
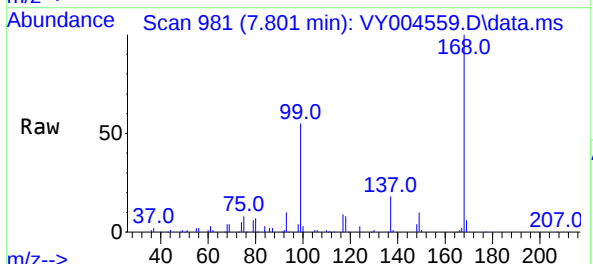
RT: 7.801 min Scan# 981

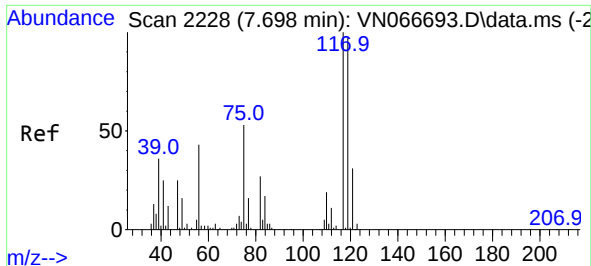
Delta R.T. 0.084 min

Lab File: VY004559.D

Acq: 21 Apr 2021 16:33

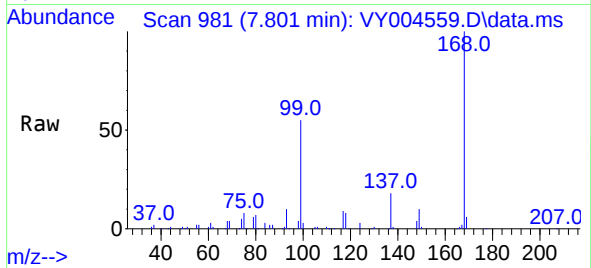
Tgt Ion:	75	Resp:	6186
Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.2	54.6#
77	0.0	24.9	37.3#



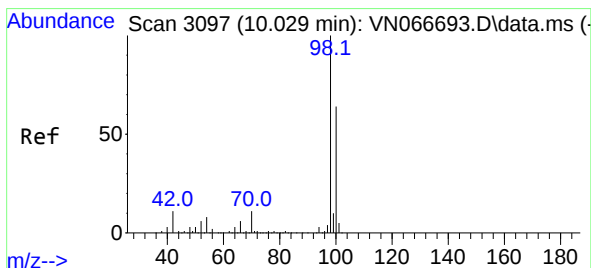
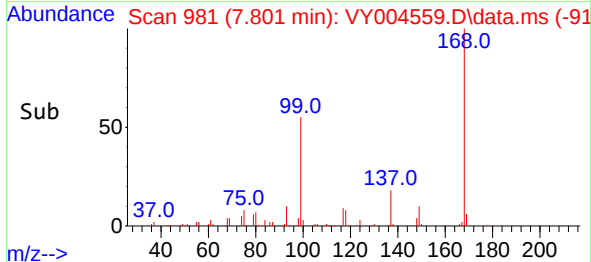
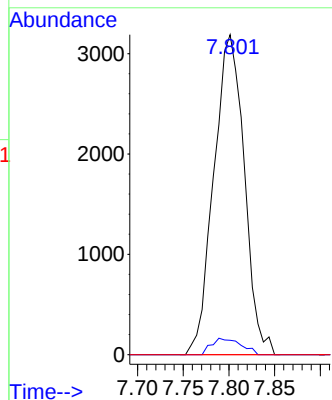


#38
Carbon Tetrachloride
Concen: 6.53 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.103 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

Instrument :
MSVOA_Y
ClientSampleId :

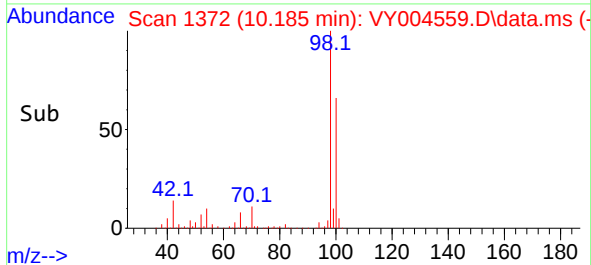
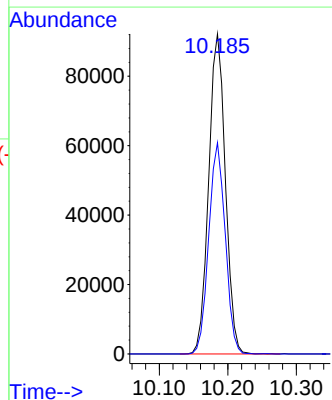
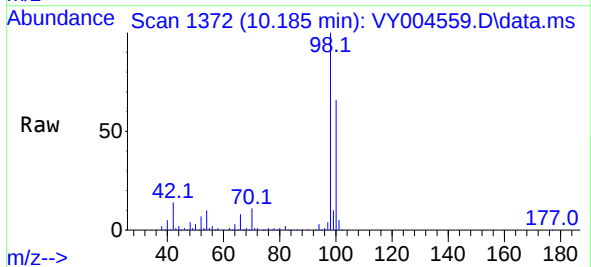


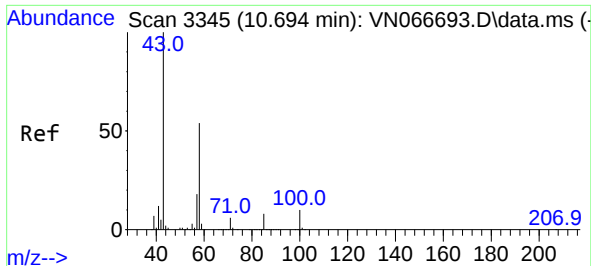
Tgt Ion:117 Resp: 7388
Ion Ratio Lower Upper
117 100
119 4.5 76.0 114.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.94 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.156 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

Tgt Ion: 98 Resp: 155968
Ion Ratio Lower Upper
98 100
100 65.3 50.5 75.7

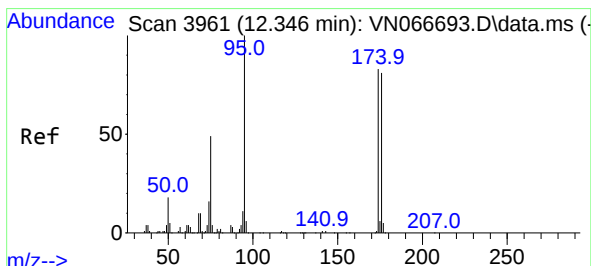
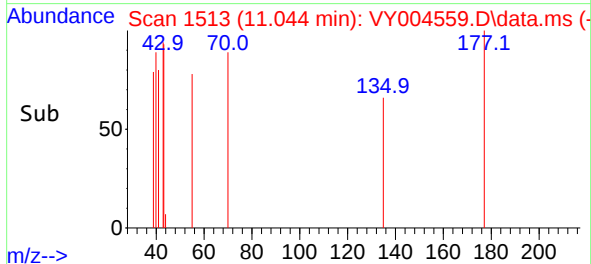
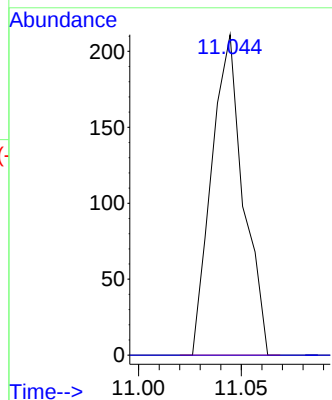
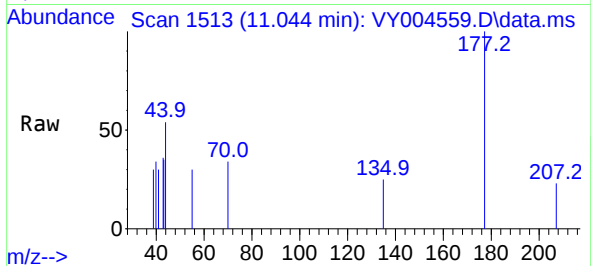




#59
2-Hexanone
Concen: 16.89 ug/l
RT: 11.044 min Scan# 1513
Delta R.T. 0.350 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

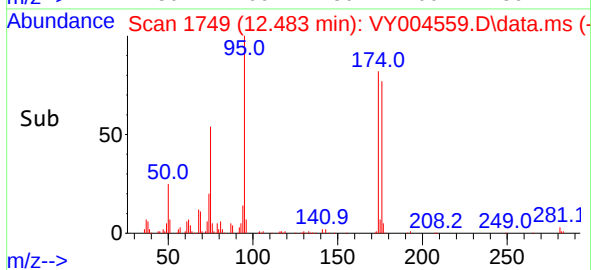
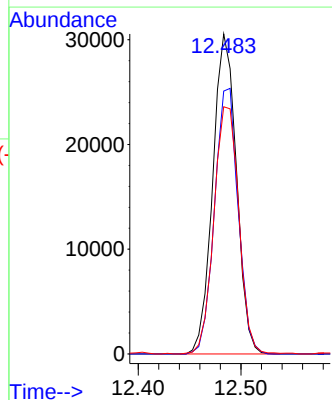
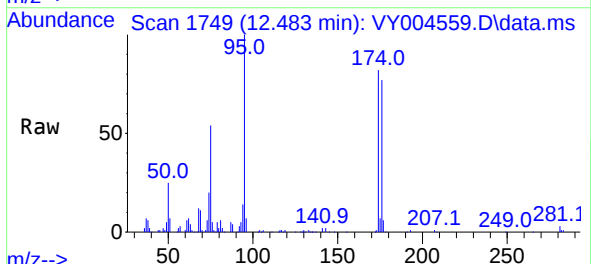
Instrument :
MSVOA_Y
ClientSampled :

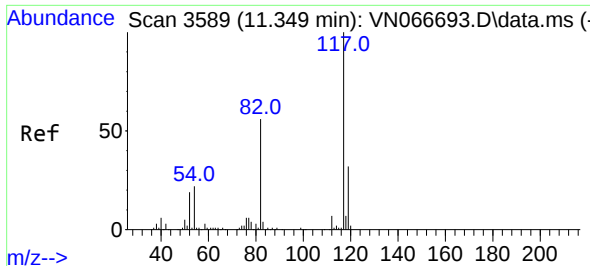
Tgt Ion: 43 Resp: 227
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 45.56 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.137 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

Tgt Ion: 95 Resp: 48725
Ion Ratio Lower Upper
95 100
174 82.8 0.0 169.0
176 81.4 0.0 162.4

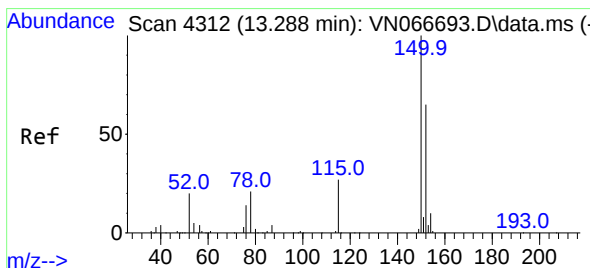
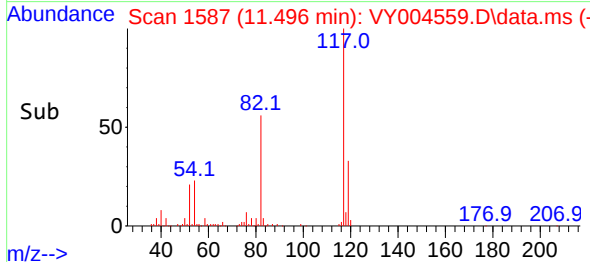
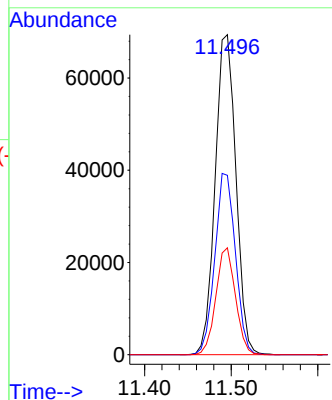
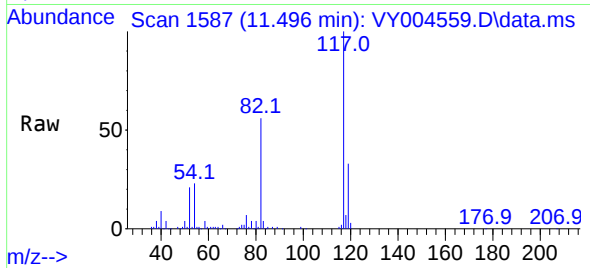




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.147 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

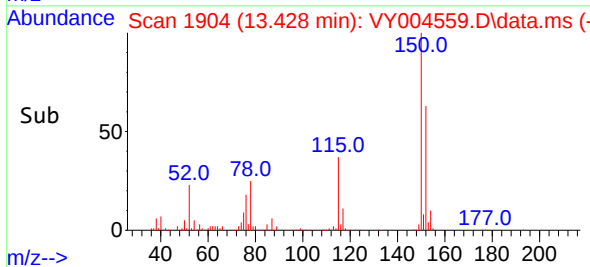
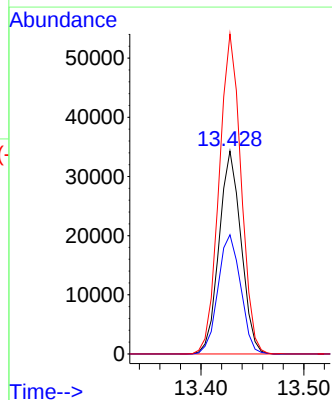
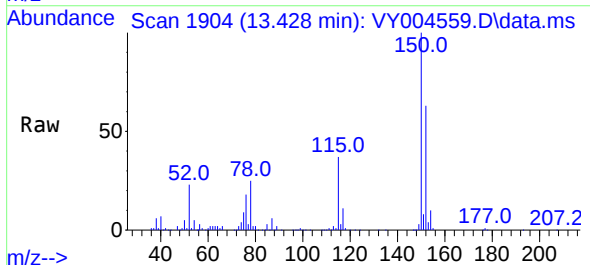
Instrument :
MSVOA_Y
ClientSampleId :

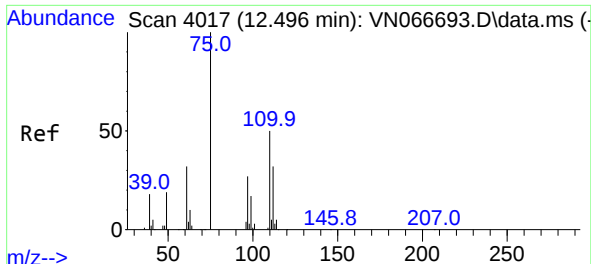
Tgt Ion:	117	Resp:	115614
Ion	Ratio	Lower	Upper
117	100		
82	56.1	43.7	65.5
119	33.4	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.140 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

Tgt Ion:	152	Resp:	50942
Ion	Ratio	Lower	Upper
152	100		
115	60.3	28.5	85.6
150	157.1	0.0	347.6

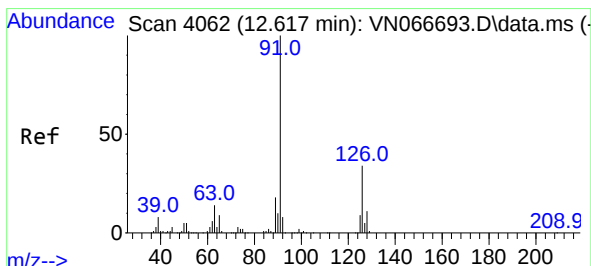
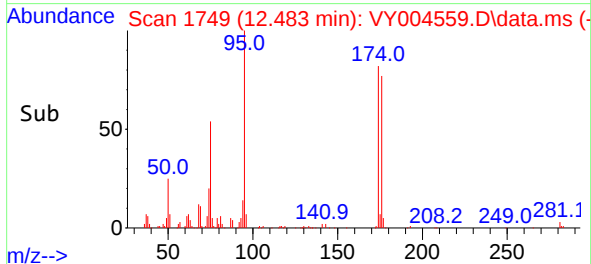
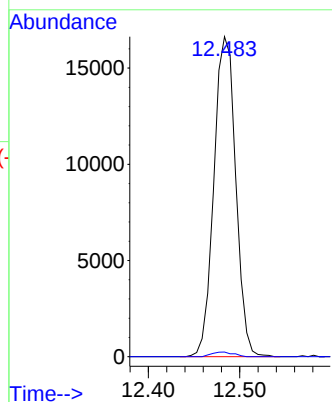
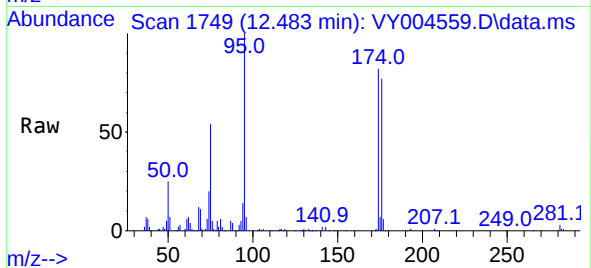




#76
1,2,3-Trichloropropane
Concen: 25.34 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.013 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

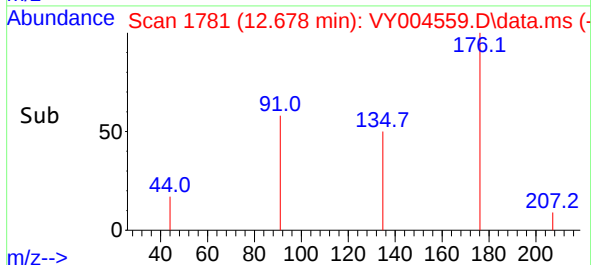
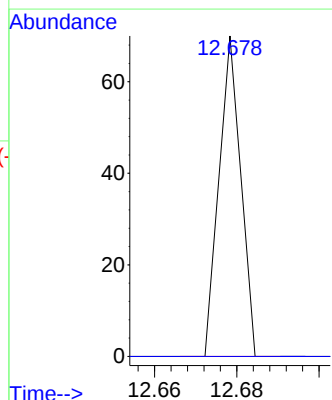
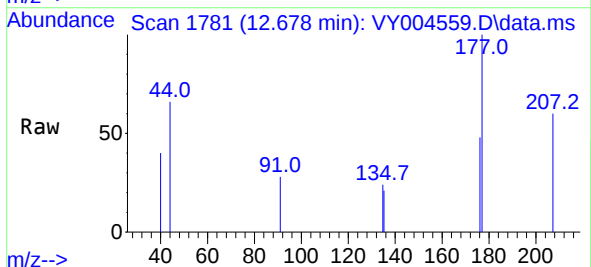
Instrument :
MSVOA_Y
ClientSampled :

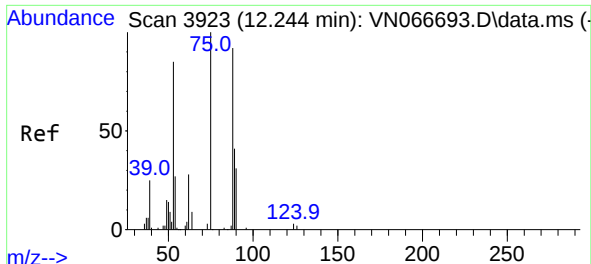
Tgt Ion: 75 Resp: 27626
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#79
2-Chlorotoluene
Concen: 0.95 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.061 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

Tgt Ion: 91 Resp: 26
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

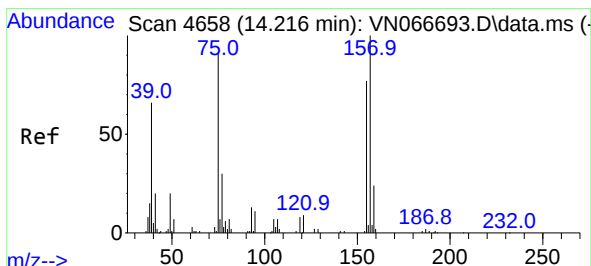
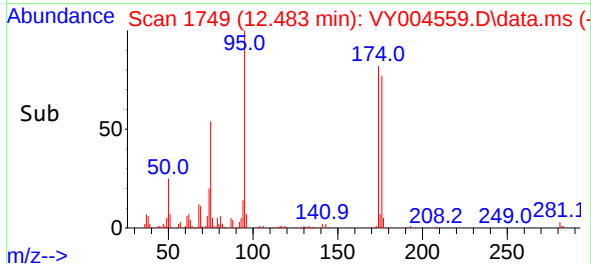
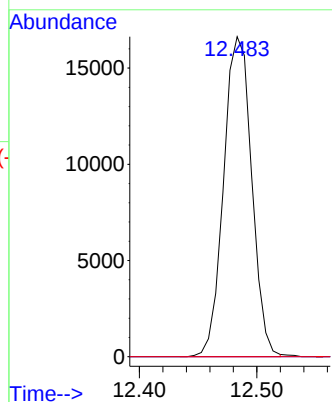
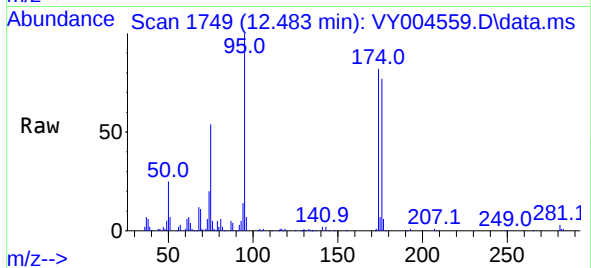




#81
trans-1,4-Dichloro-2-butene
Concen: 74.43 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.239 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

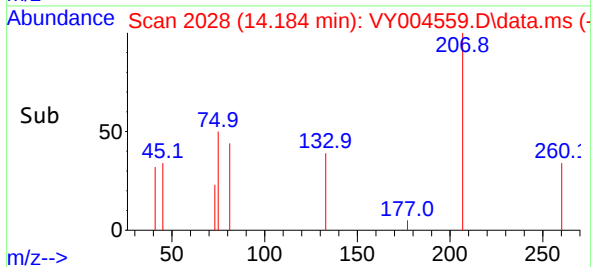
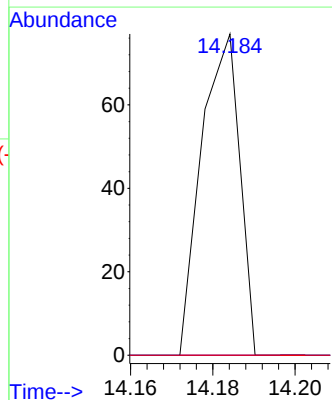
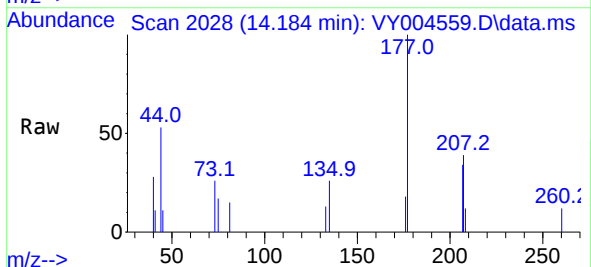
Instrument :
MSVOA_Y
ClientSampled :

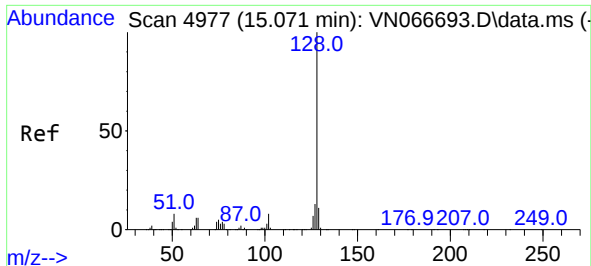
Tgt Ion: 75 Resp: 27570
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.23 ug/l
RT: 14.184 min Scan# 2028
Delta R.T. -0.032 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

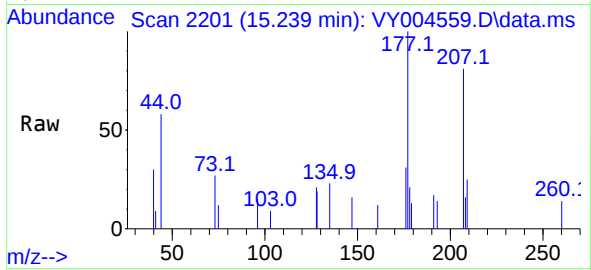
Tgt Ion: 75 Resp: 50
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#





#95
Naphthalene
Concen: 1.95 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.168 min
Lab File: VY004559.D
Acq: 21 Apr 2021 16:33

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128	Resp:	254
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.2 15.2#
129	0.0	8.6 13.0#

