

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042121\
 Data File : VY004552.D
 Acq On : 21 Apr 2021 13:50
 Operator : SY/MD
 Sample : M2112-02
 Misc : 5.08G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 22 11:07:30 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

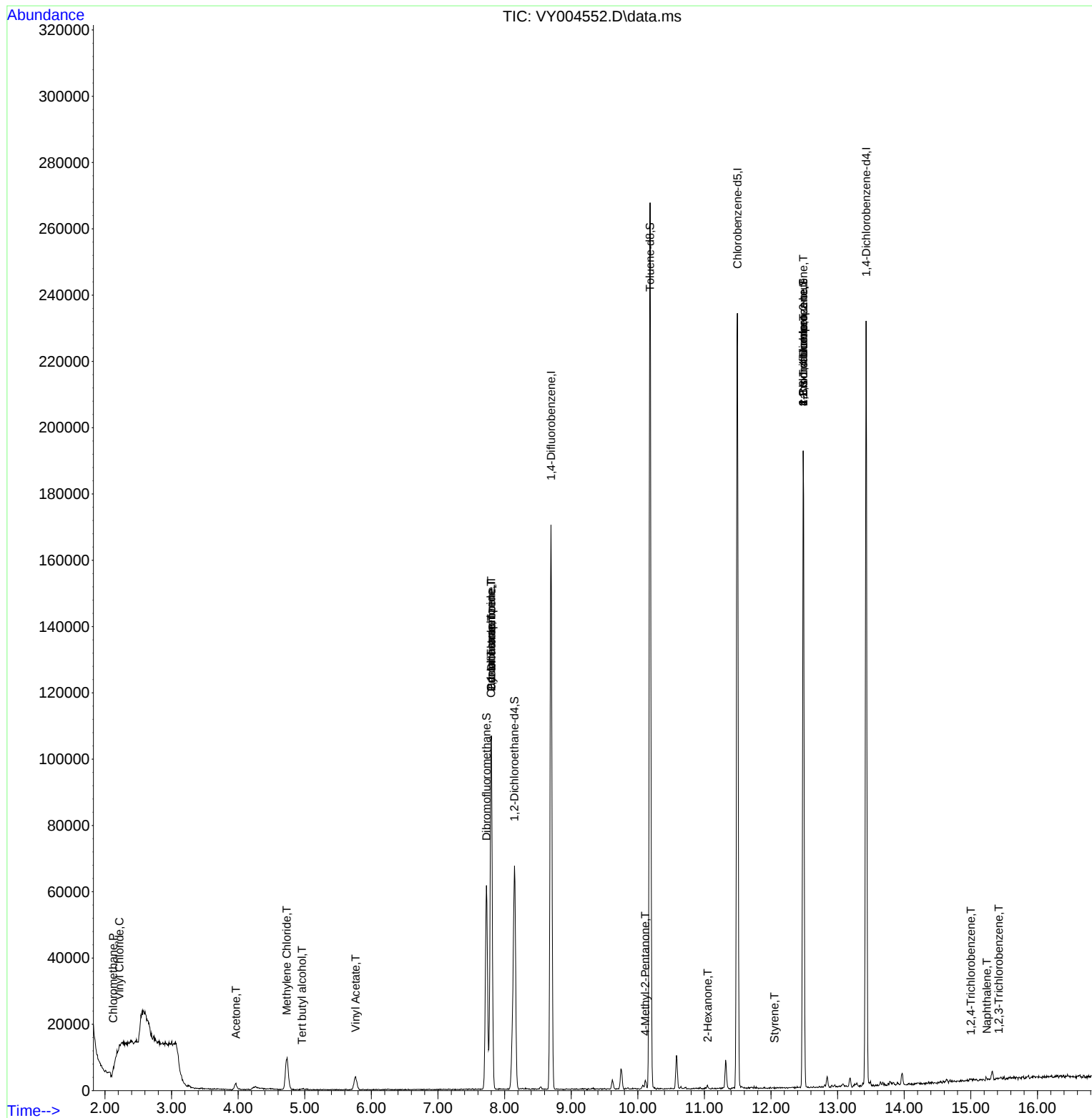
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	80638	50.00	ug/l	0.21
34) 1,4-Difluorobenzene	8.697	114	136014	50.00	ug/l	0.18
63) Chlorobenzene-d5	11.496	117	121148	50.00	ug/l	0.15
72) 1,4-Dichlorobenzene-d4	13.428	152	54262	50.00	ug/l	0.14
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	48457	49.19	ug/l	0.20
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	7.728	113	41052	48.20	ug/l	0.22
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.185	98	165161	49.72	ug/l	0.16
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.483	95	52491	46.14	ug/l	0.14
Spiked Amount	50.000		Recovery	=	92.28%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	296	0.23	ug/l	93
4) Vinyl Chloride	2.217	62	1103	0.96	ug/l #	43
11) Tert butyl alcohol	4.960	59	574	4.60	ug/l #	73
16) Acetone	3.967	43	3349	9.08	ug/l #	83
20) Methylene Chloride	4.729	84	6712	6.12	ug/l	85
23) Vinyl Acetate	5.765	43	1918	0.78	ug/l #	73
31) Cyclohexane	7.801	56	2061	1.28	ug/l #	31
36) 1,1-Dichloropropene	7.801	75	6694	5.29	ug/l #	48
38) Carbon Tetrachloride	7.795	117	8243	6.85	ug/l #	16
51) 4-Methyl-2-Pentanone	10.112	43	373	0.31	ug/l #	35
59) 2-Hexanone	11.051	43	316	16.97	ug/l #	23
70) Styrene	12.050	104	27	2.99	ug/l #	23
76) 1,2,3-Trichloropropane	12.483	75	29179	25.13	ug/l #	100
79) 2-Chlorotoluene	12.483	91	264	1.03	ug/l #	56
81) trans-1,4-Dichloro-2-b...	12.483	75	29102	73.81	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.001	180	19	2.02	ug/l #	1
95) Naphthalene	15.239	128	399	2.00	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.422	180	24	1.38	ug/l #	12

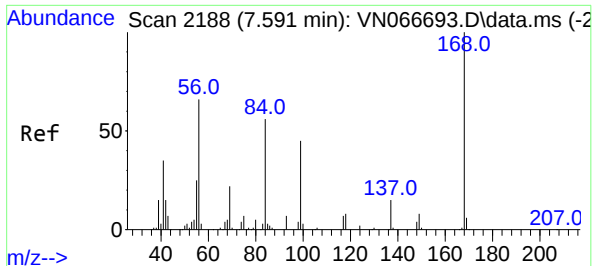
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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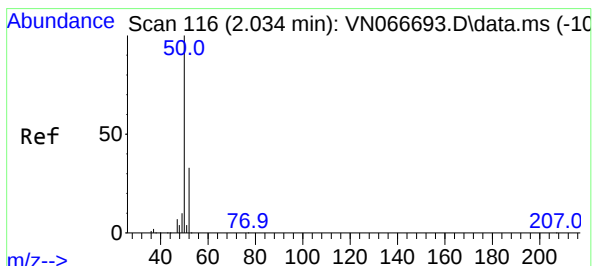
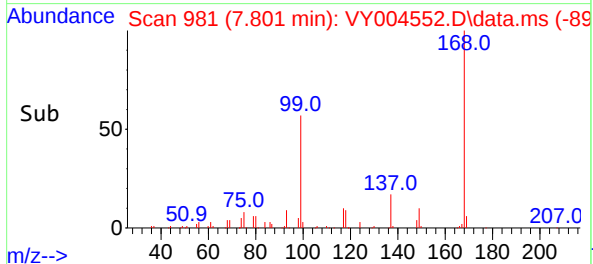
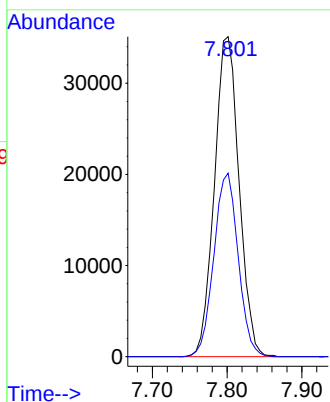
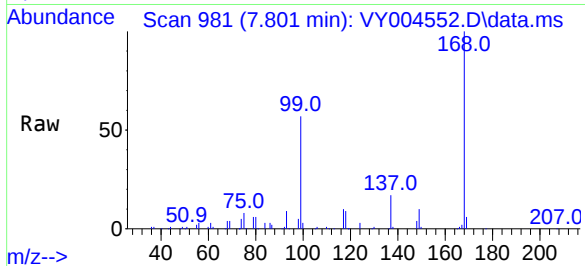




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.210 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

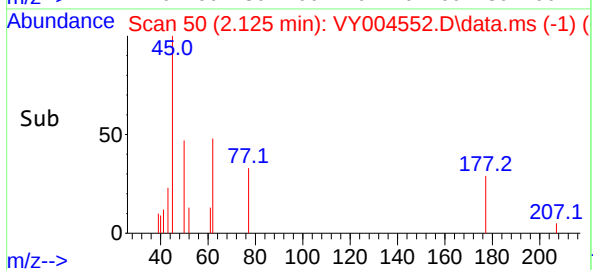
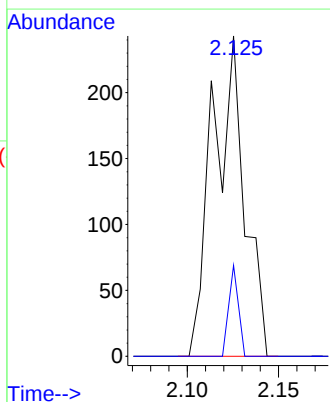
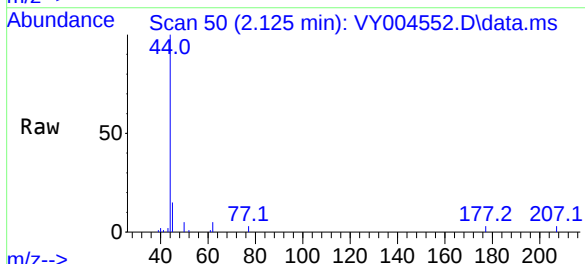
Instrument :
MSVOA_Y
ClientSampled :

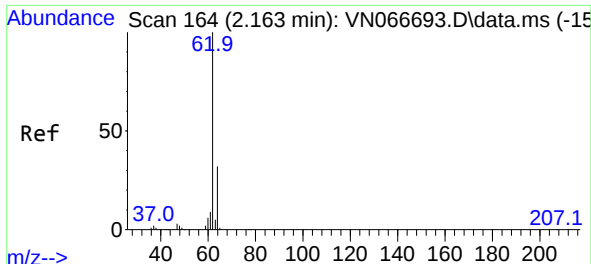
Tgt Ion:168 Resp: 80638
Ion Ratio Lower Upper
168 100
99 57.4 42.6 63.8



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.091 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

Tgt Ion: 50 Resp: 296
Ion Ratio Lower Upper
50 100
52 28.4 25.8 38.8

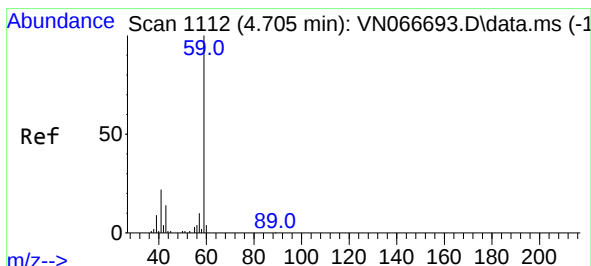
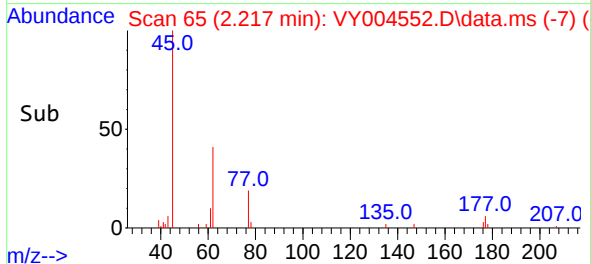
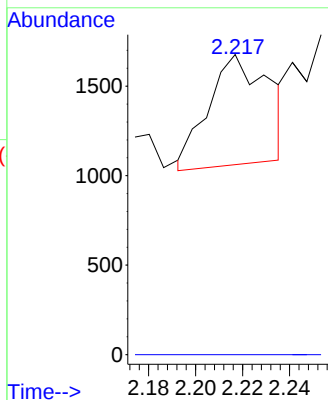
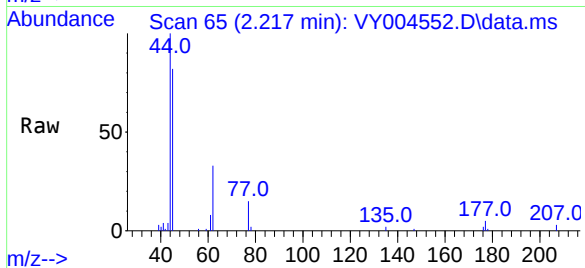




#4
 Vinyl Chloride
 Concen: 0.96 ug/l
 RT: 2.217 min Scan# 65
 Delta R.T. 0.054 min
 Lab File: VY004552.D
 Acq: 21 Apr 2021 13:50

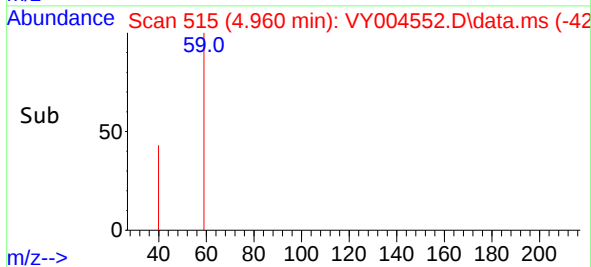
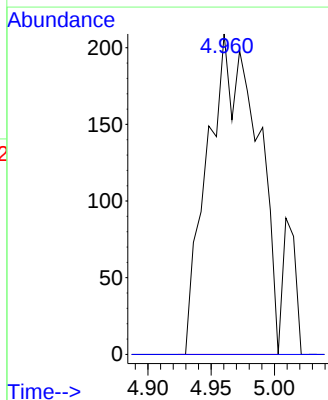
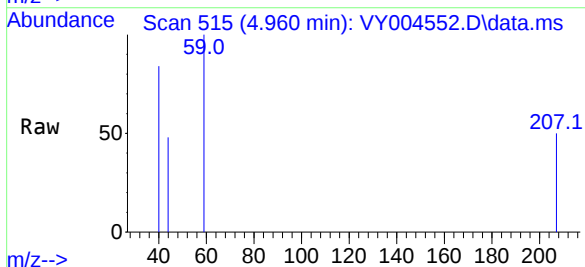
Instrument :
 MSVOA_Y
 ClientSampled :

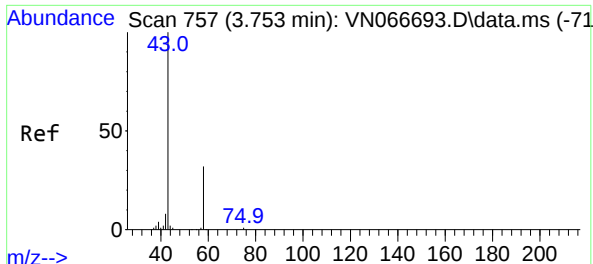
Tgt Ion: 62 Resp: 1103
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.1 37.7#



#11
 Tert butyl alcohol
 Concen: 4.60 ug/l
 RT: 4.960 min Scan# 515
 Delta R.T. 0.255 min
 Lab File: VY004552.D
 Acq: 21 Apr 2021 13:50

Tgt Ion: 59 Resp: 574
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#





#16

Acetone

Concen: 9.08 ug/l

RT: 3.967 min Scan# 352

Delta R.T. 0.214 min

Lab File: VY004552.D

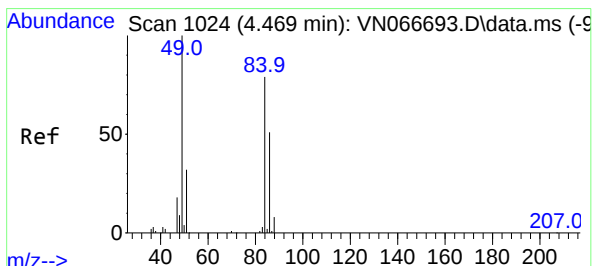
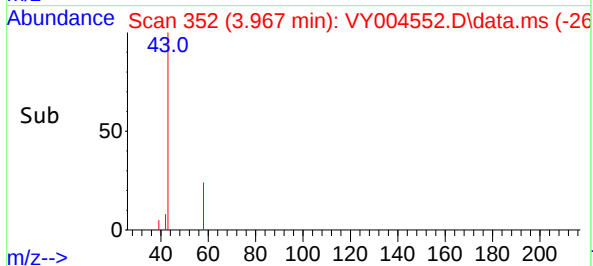
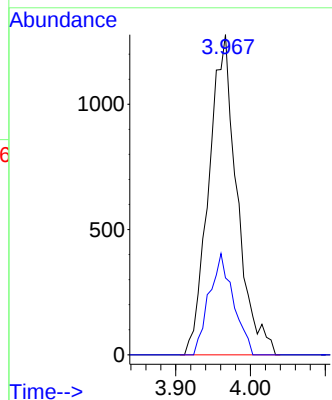
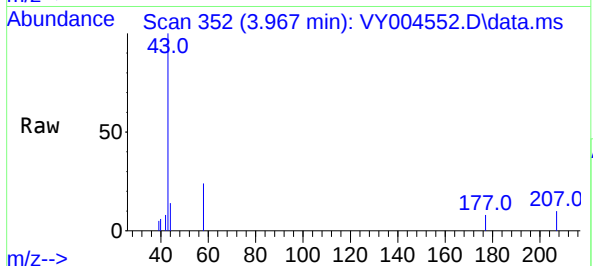
Acq: 21 Apr 2021 13:50

Tgt Ion: 43 Resp: 3349

Ion Ratio Lower Upper

43 100

58 24.0 27.0 40.6#



#20

Methylene Chloride

Concen: 6.12 ug/l

RT: 4.729 min Scan# 477

Delta R.T. 0.260 min

Lab File: VY004552.D

Acq: 21 Apr 2021 13:50

Tgt Ion: 84 Resp: 6712

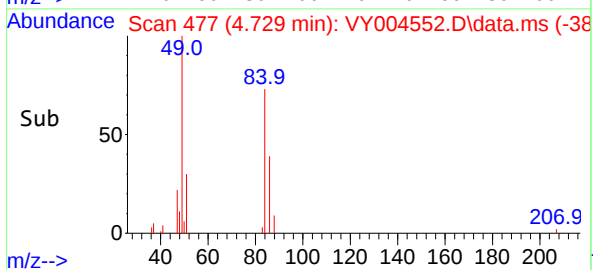
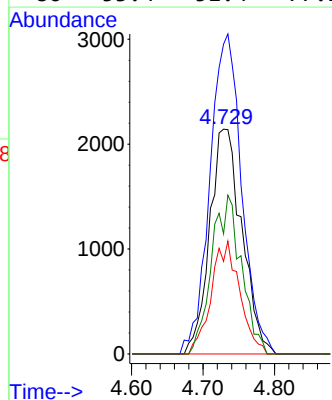
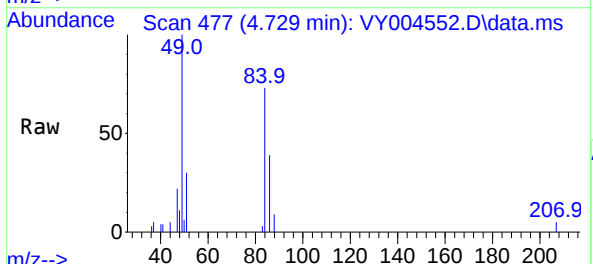
Ion Ratio Lower Upper

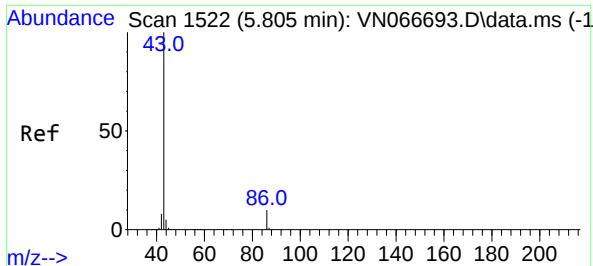
84 100

49 137.8 94.6 141.8

51 41.2 29.9 44.9

86 53.4 51.4 77.2





#23

Vinyl Acetate

Concen: 0.78 ug/l

RT: 5.765 min Scan# 647

Delta R.T. -0.040 min

Lab File: VY004552.D

Acq: 21 Apr 2021 13:50

Tgt Ion: 43 Resp: 1918

Ion Ratio Lower Upper

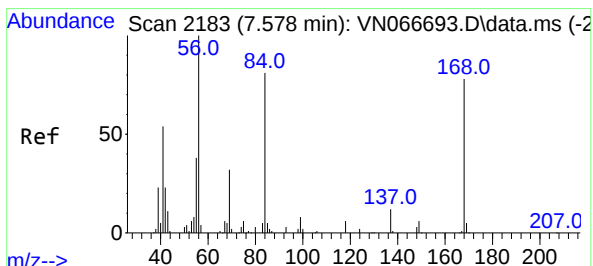
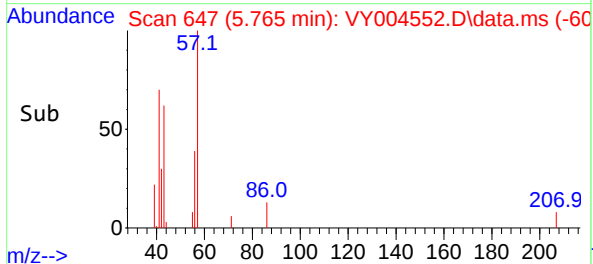
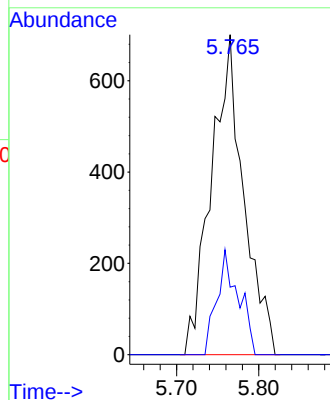
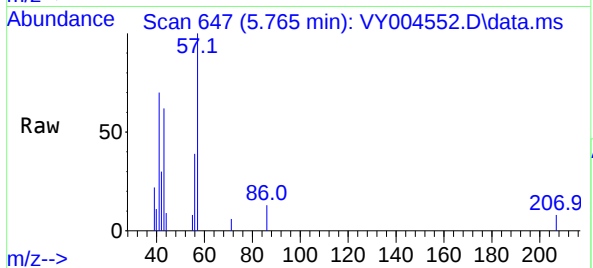
43 100

86 21.1 8.6 13.0#

Instrument :

MSVOA_Y

ClientSampleId :



#31

Cyclohexane

Concen: 1.28 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.223 min

Lab File: VY004552.D

Acq: 21 Apr 2021 13:50

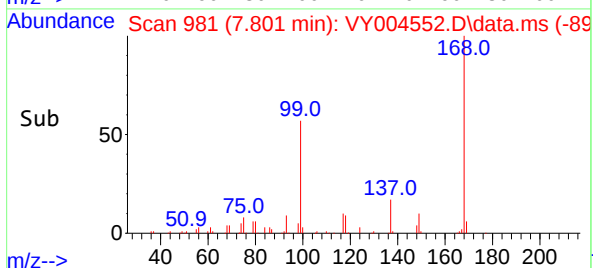
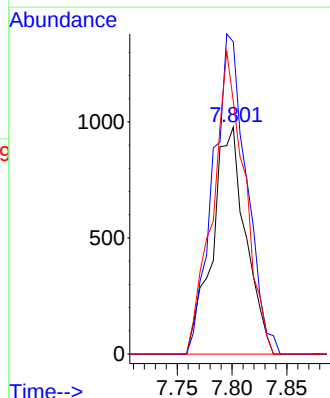
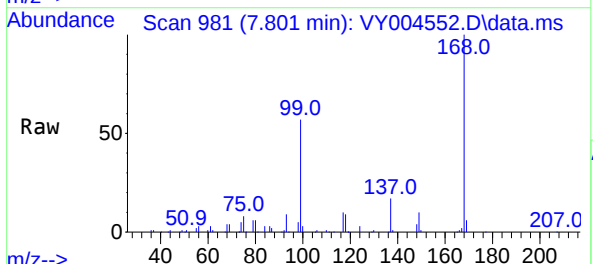
Tgt Ion: 56 Resp: 2061

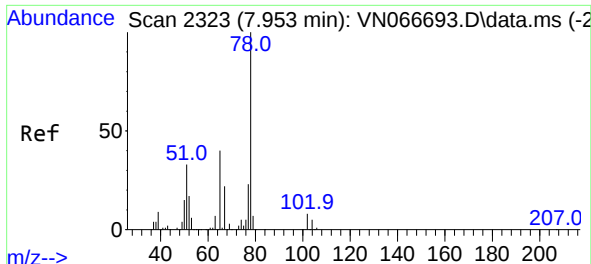
Ion Ratio Lower Upper

56 100

69 137.5 26.6 39.8#

84 111.2 70.4 105.6#

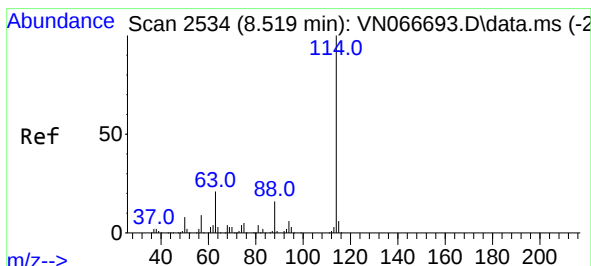
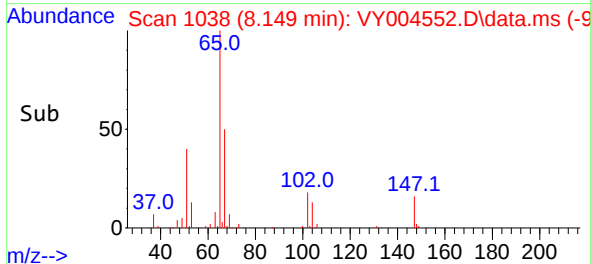
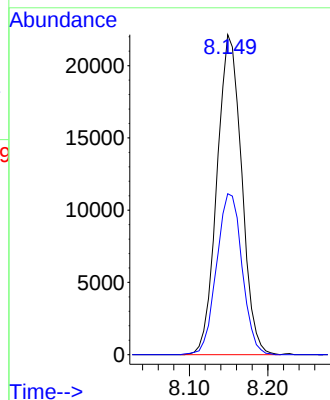
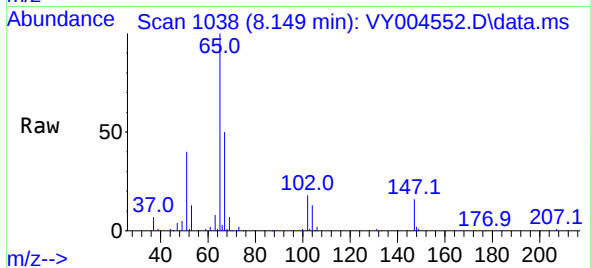




#33
1,2-Dichloroethane-d4
Concen: 49.19 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.196 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

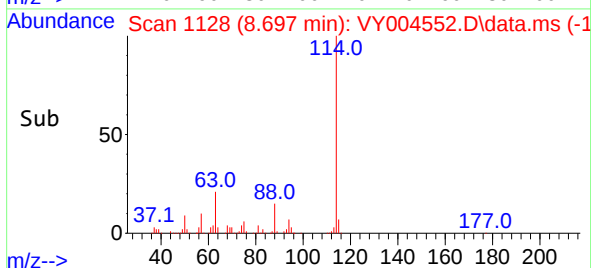
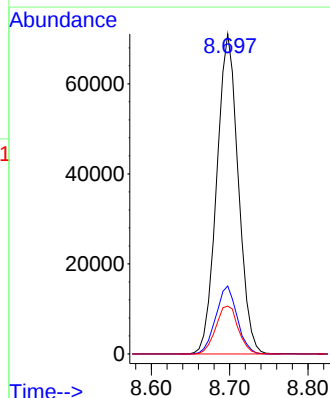
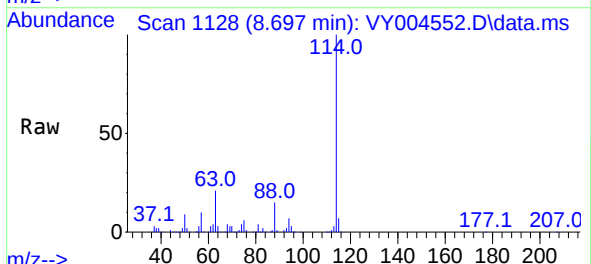
Instrument :
MSVOA_Y
ClientSampleId :

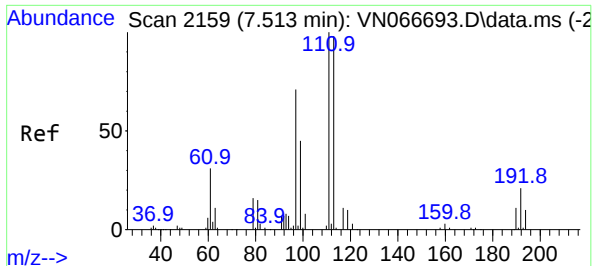
Tgt Ion: 65 Resp: 48457
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.178 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

Tgt Ion:114 Resp: 136014
Ion Ratio Lower Upper
114 100
63 21.3 0.0 38.6
88 15.0 0.0 30.6

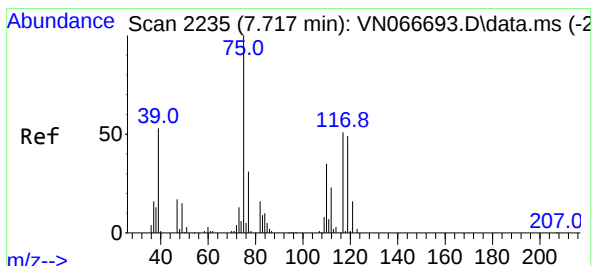
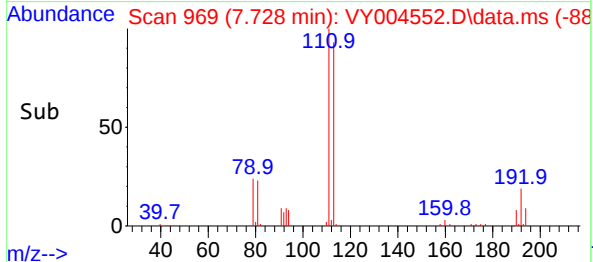
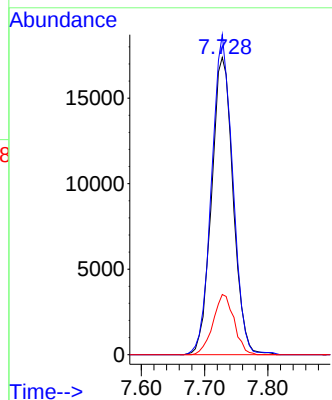
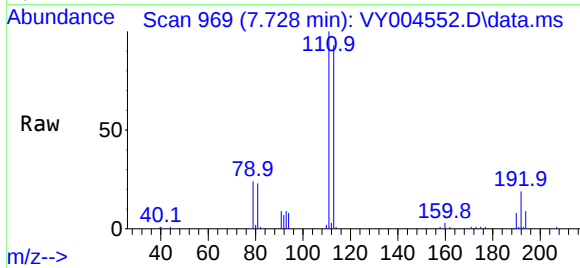




#35
Dibromofluoromethane
Concen: 48.20 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.215 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

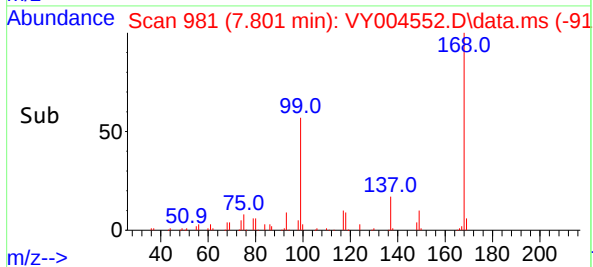
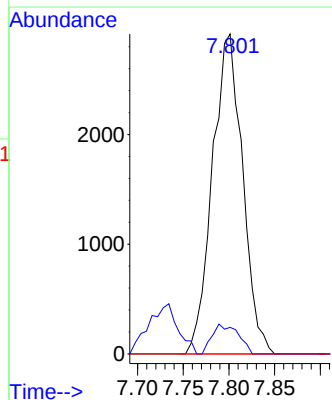
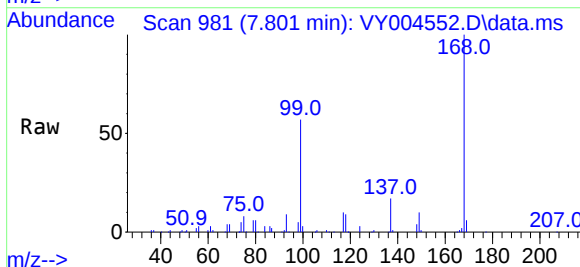
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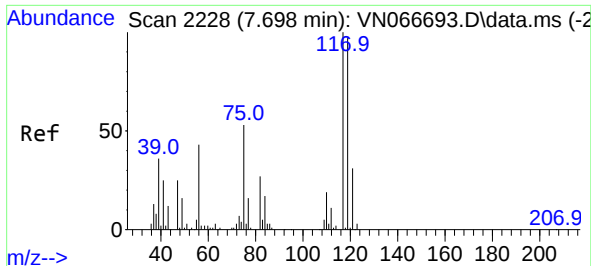
Tgt Ion:	113	Resp:	41052
Ion	Ratio	Lower	Upper
113	100		
111	105.5	82.2	123.2
192	19.8	15.4	23.0



#36
1,1-Dichloropropene
Concen: 5.29 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.084 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

Tgt Ion:	75	Resp:	6694
Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.2	54.6#
77	0.0	24.9	37.3#

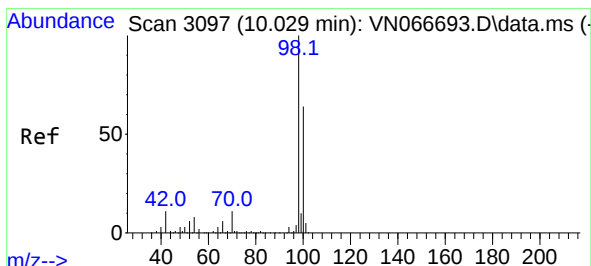
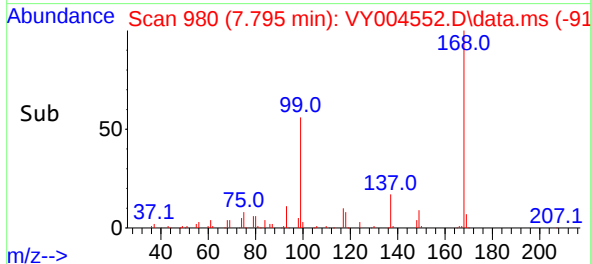
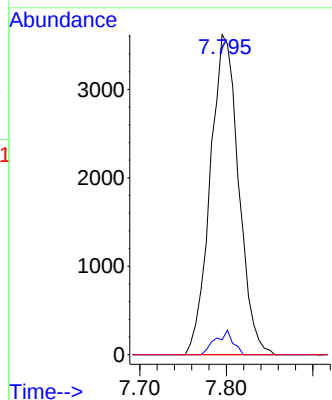
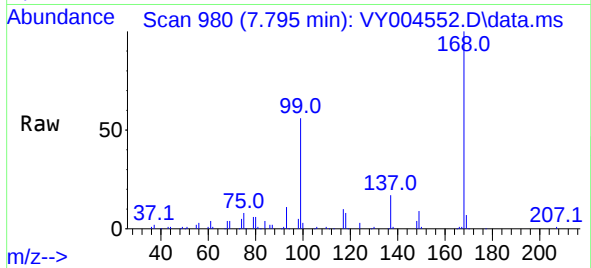




#38
Carbon Tetrachloride
Concen: 6.85 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.097 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

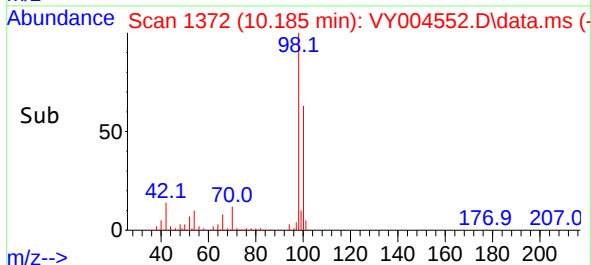
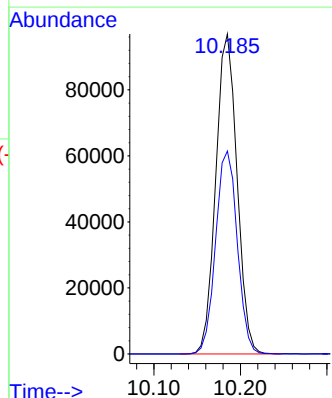
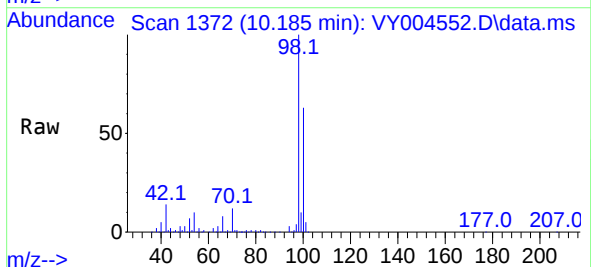
Instrument :
MSVOA_Y
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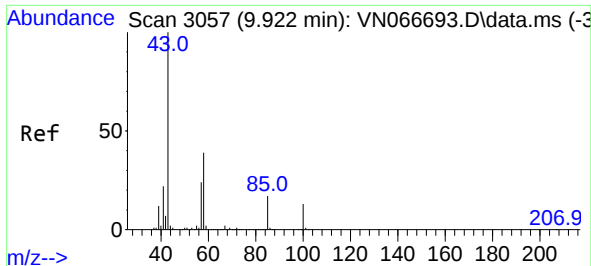
Tgt Ion:117 Resp: 8243
Ion Ratio Lower Upper
117 100
119 4.6 76.0 114.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.72 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.156 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

Tgt Ion: 98 Resp: 165161
Ion Ratio Lower Upper
98 100
100 64.6 50.5 75.7

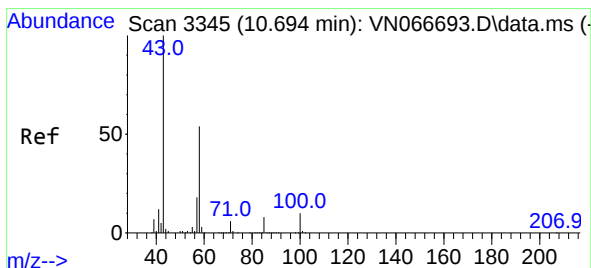
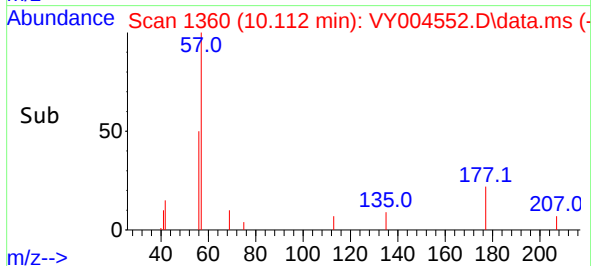
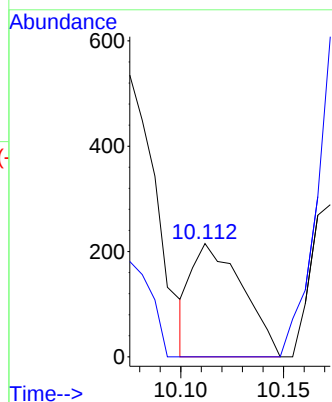
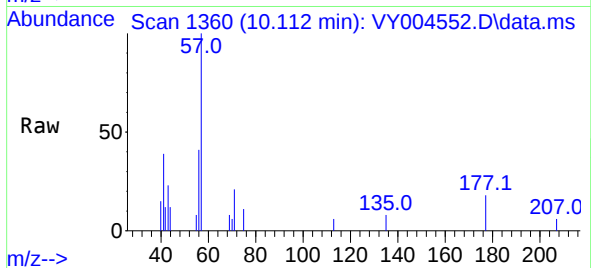




#51
4-Methyl-2-Pentanone
Concen: 0.31 ug/l
RT: 10.112 min Scan# 1360
Delta R.T. 0.190 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

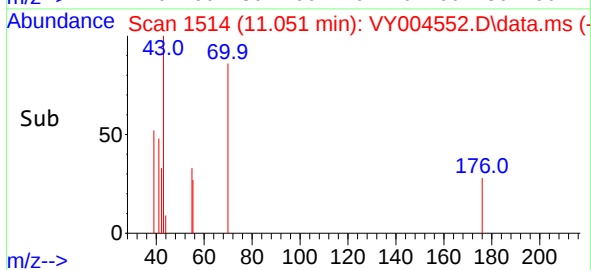
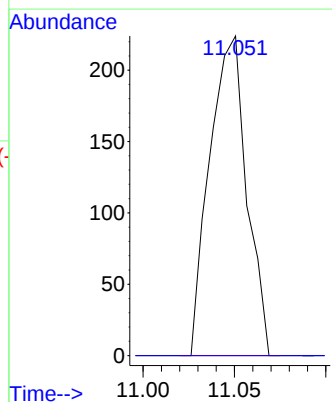
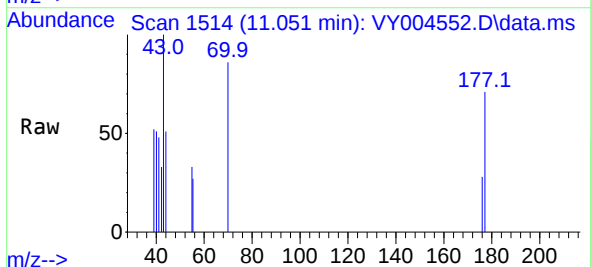
Instrument :
MSVOA_Y
ClientSampled :

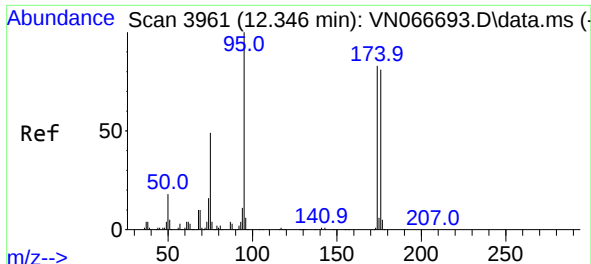
Tgt Ion: 43 Resp: 373
Ion Ratio Lower Upper
43 100
58 0.0 32.5 48.7#



#59
2-Hexanone
Concen: 16.97 ug/l
RT: 11.051 min Scan# 1514
Delta R.T. 0.357 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

Tgt Ion: 43 Resp: 316
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

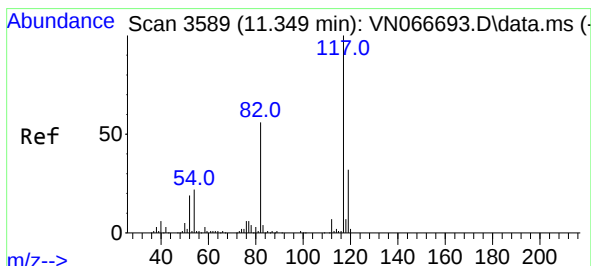
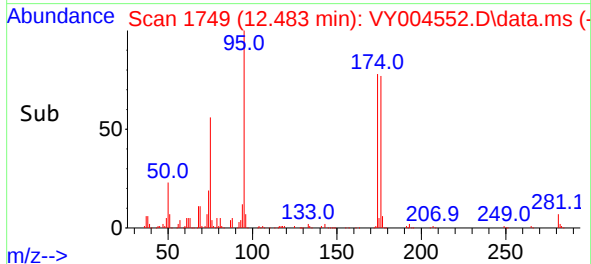
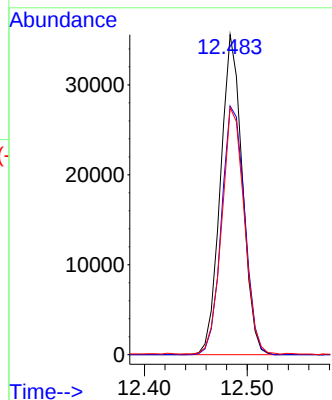
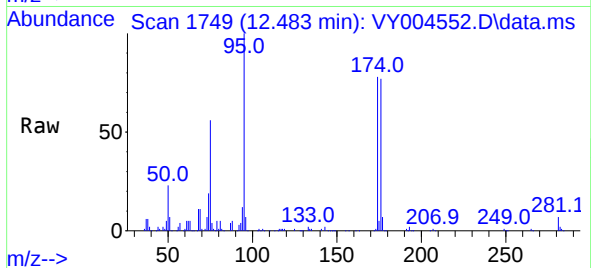




#62
4-Bromofluorobenzene
Concen: 46.14 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.137 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

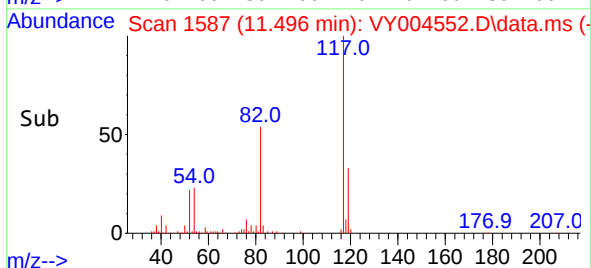
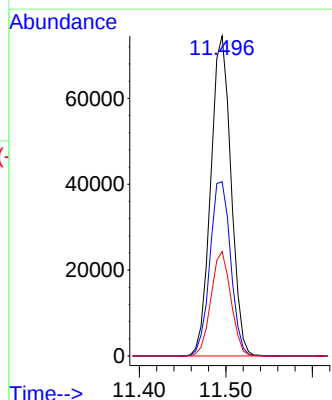
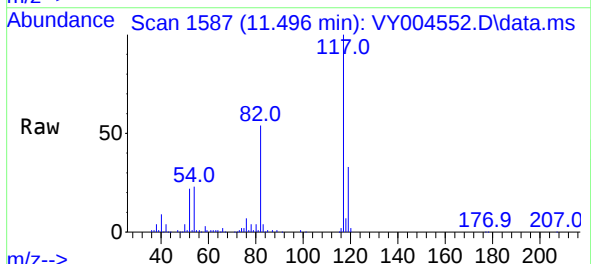
Instrument :
MSVOA_Y
ClientSampleId :

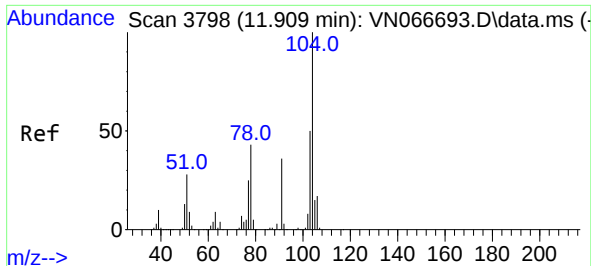
Tgt Ion:	95	Resp:	52491
Ion Ratio	Lower	Upper	
95	100		
174	82.1	0.0	169.0
176	79.2	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.147 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

Tgt Ion:	117	Resp:	121148
Ion Ratio	Lower	Upper	
117	100		
82	54.4	43.7	65.5
119	32.6	26.1	39.1

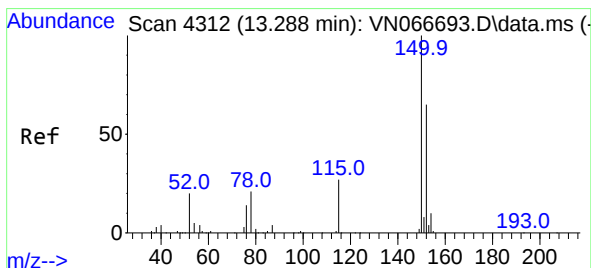
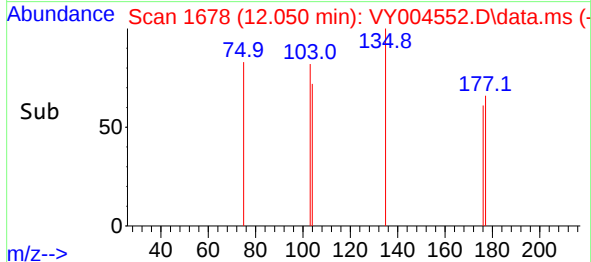
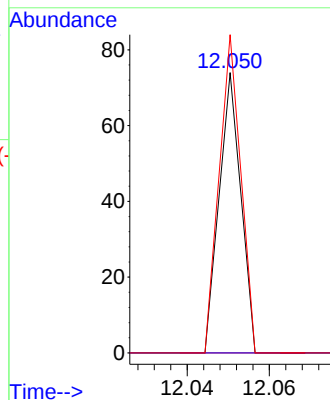
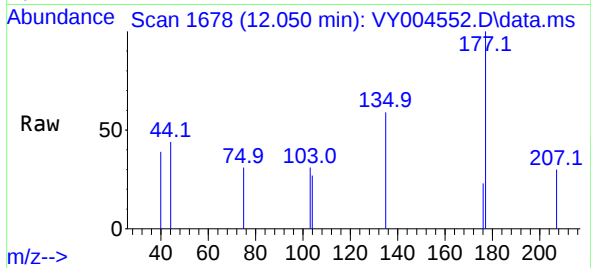




#70
Styrene
Concen: 2.99 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. 0.141 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

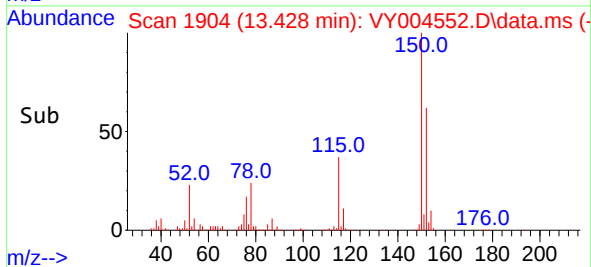
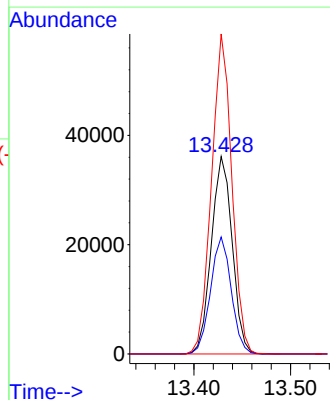
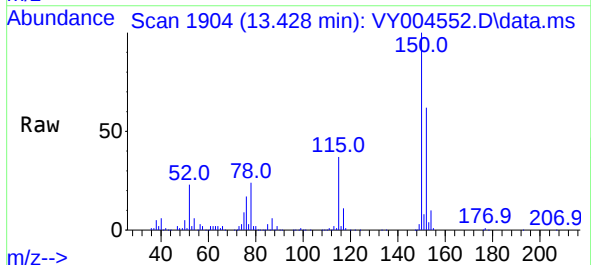
Instrument :
MSVOA_Y
ClientSampled :

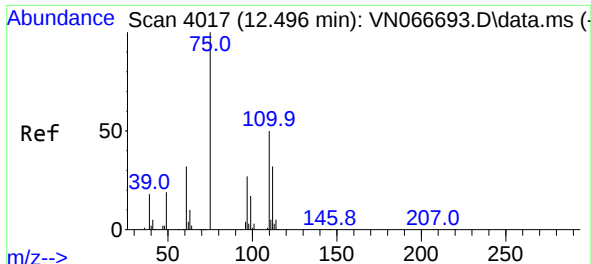
Tgt Ion:104 Resp: 27
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 114.8 44.5 66.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.140 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

Tgt Ion:152 Resp: 54262
Ion Ratio Lower Upper
152 100
115 58.7 28.5 85.6
150 157.4 0.0 347.6

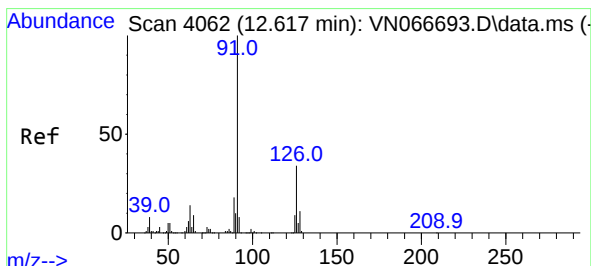
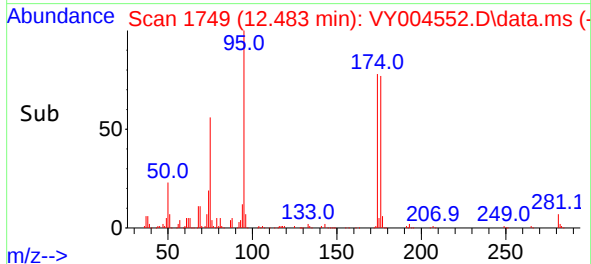
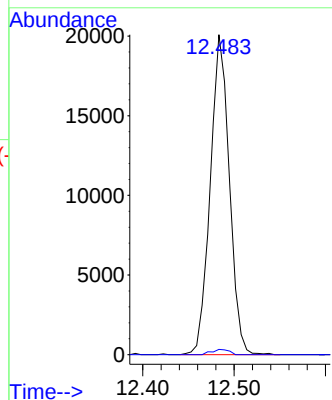
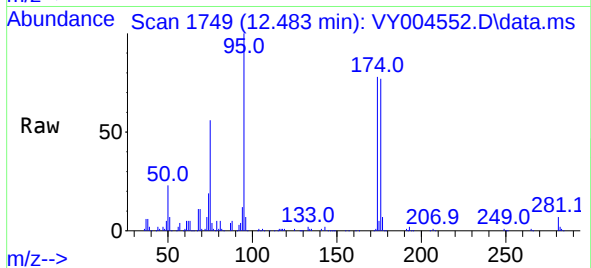




#76
1,2,3-Trichloropropane
Concen: 25.13 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.013 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

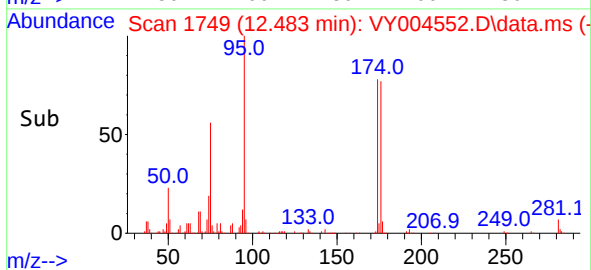
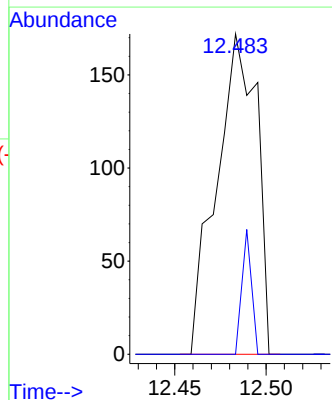
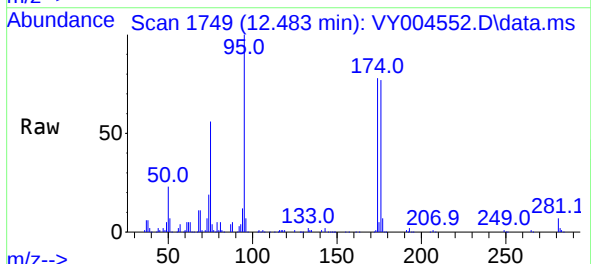
Instrument :
MSVOA_Y
ClientSampleId :

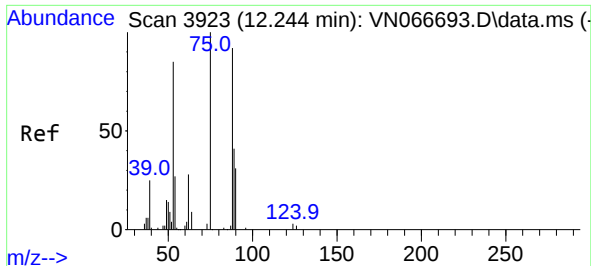
Tgt Ion: 75 Resp: 29179
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#79
2-Chlorotoluene
Concen: 1.03 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.134 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

Tgt Ion: 91 Resp: 264
Ion Ratio Lower Upper
91 100
126 9.5 17.4 52.3#

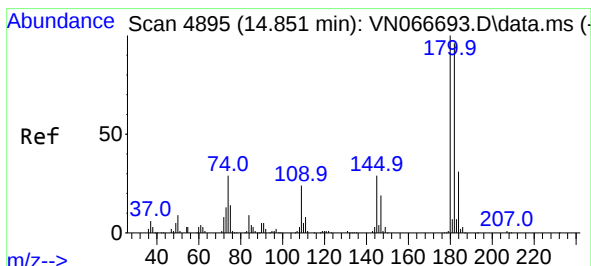
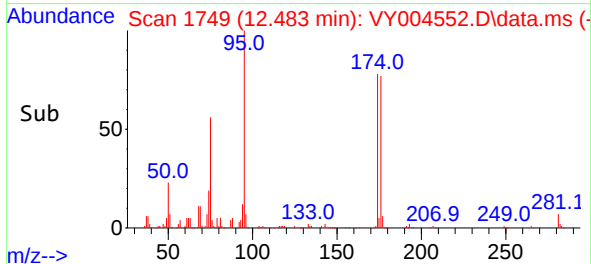
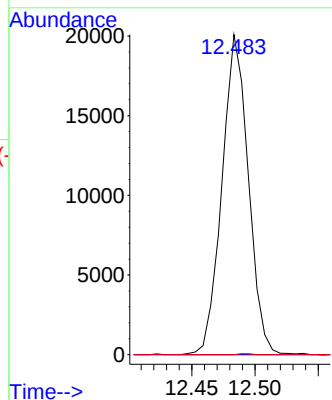
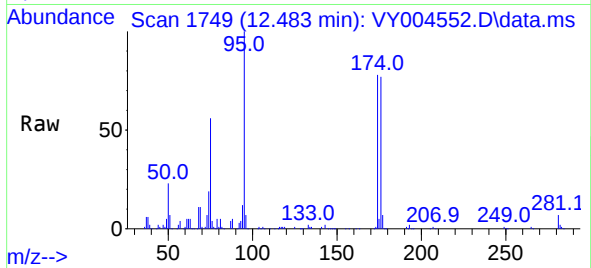




#81
trans-1,4-Dichloro-2-butene
Concen: 73.81 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.239 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

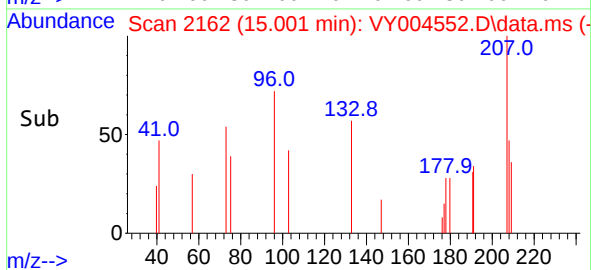
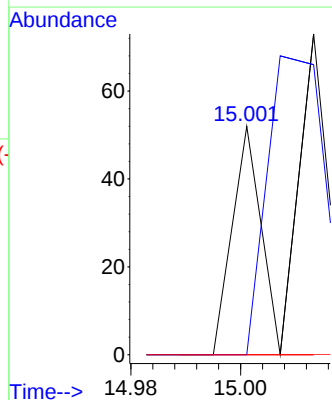
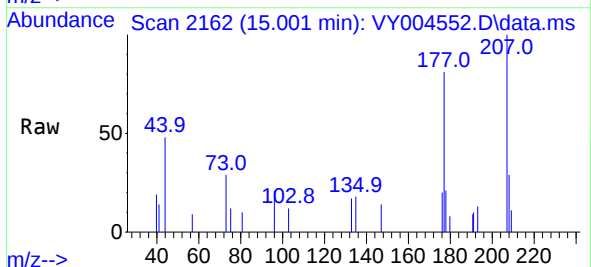
Instrument :
MSVOA_Y
ClientSampleId :

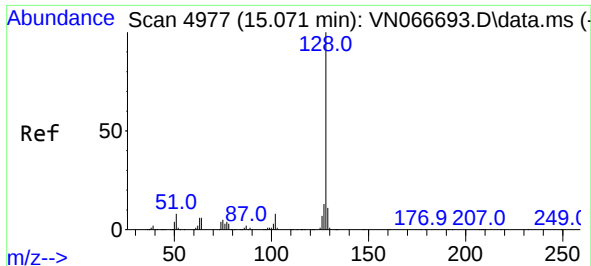
Tgt Ion: 75 Resp: 29102
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.2 35.8 53.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.02 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. 0.150 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

Tgt Ion:180 Resp: 19
Ion Ratio Lower Upper
180 100
182 257.9 47.3 142.0#
145 0.0 15.6 46.8#

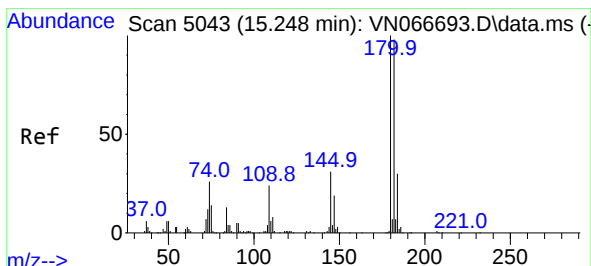
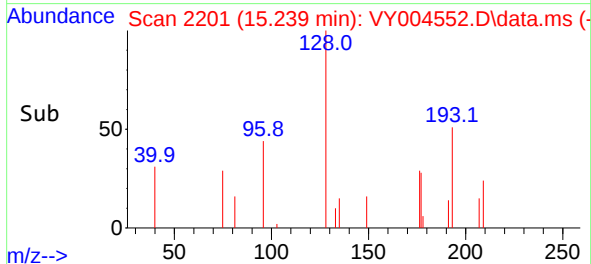
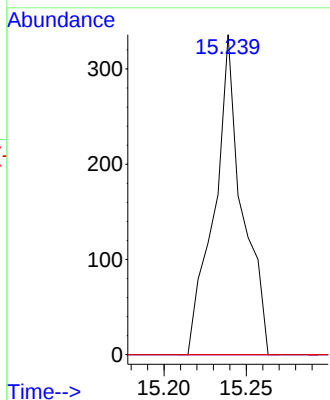
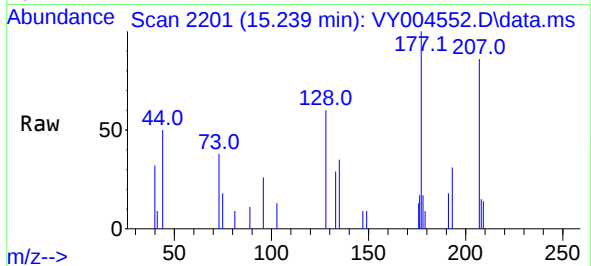




#95
Naphthalene
Concen: 2.00 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.168 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 399
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.38 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. 0.174 min
Lab File: VY004552.D
Acq: 21 Apr 2021 13:50

Tgt Ion:180 Resp: 24
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.3#
145 0.0 16.5 49.5#

