

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042121\
 Data File : VY004560.D
 Acq On : 21 Apr 2021 16:56
 Operator : SY/MD
 Sample : M2099-01
 Misc : 6.15G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 22 11:10:04 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

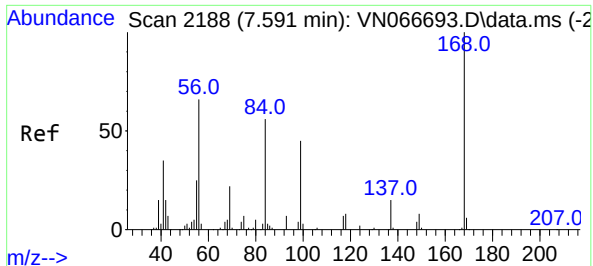
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.801	168	130991	50.00	ug/l	0.21
34) 1,4-Difluorobenzene	8.697	114	227422	50.00	ug/l	0.18
63) Chlorobenzene-d5	11.495	117	212548	50.00	ug/l	0.15
72) 1,4-Dichlorobenzene-d4	13.428	152	92199	50.00	ug/l	0.14
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	84689	52.92	ug/l	0.20
Spiked Amount 50.000			Recovery	=	105.84%	
35) Dibromofluoromethane	7.734	113	70354	49.40	ug/l	0.22
Spiked Amount 50.000			Recovery	=	98.80%	
50) Toluene-d8	10.185	98	283520	51.05	ug/l	0.16
Spiked Amount 50.000			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.483	95	101484	53.35	ug/l	0.14
Spiked Amount 50.000			Recovery	=	106.70%	
Target Compounds					Qvalue	
4) Vinyl Chloride	2.223	62	6192	3.30	ug/l #	43
11) Tert butyl alcohol	4.972	59	358	1.77	ug/l #	73
16) Acetone	3.960	43	5345	8.92	ug/l	88
17) Carbon Disulfide	4.216	76	3792	0.92	ug/l	99
18) Methyl Acetate	4.503	43	627	0.38	ug/l #	51
20) Methylene Chloride	4.734	84	13735	7.71	ug/l	85
23) Vinyl Acetate	5.765	43	1596	0.40	ug/l #	42
25) 2-Butanone	6.996	43	1049	1.22	ug/l #	46
31) Cyclohexane	7.801	56	3343	1.28	ug/l #	35
36) 1,1-Dichloropropene	7.801	75	10711	5.07	ug/l #	49
37) Ethyl Acetate	6.996	43	1049	0.47	ug/l #	68
38) Carbon Tetrachloride	7.801	117	13345	6.63	ug/l #	16
51) 4-Methyl-2-Pentanone	10.185	43	1702	0.86	ug/l #	1
56) Ethyl methacrylate	10.715	69	93	3.18	ug/l #	1
59) 2-Hexanone	10.941	43	119	16.71	ug/l #	23
76) 1,2,3-Trichloropropane	12.489	75	66814	33.87	ug/l #	100
79) 2-Chlorotoluene	12.483	91	812	1.10	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.495	105	3761	0.68	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.489	75	66808	97.79	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	13.965	75	1421	3.60	ug/l #	8
95) Naphthalene	15.233	128	236	1.90	ug/l #	69

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

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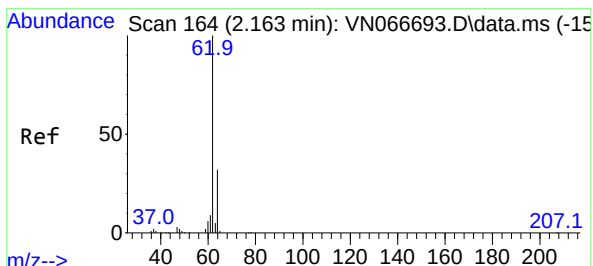
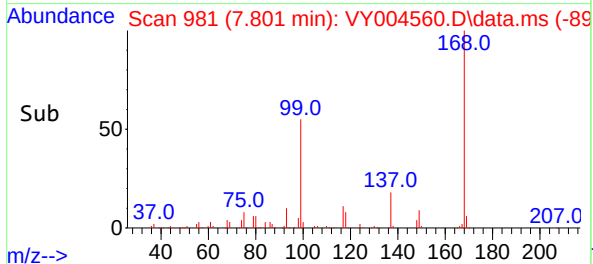
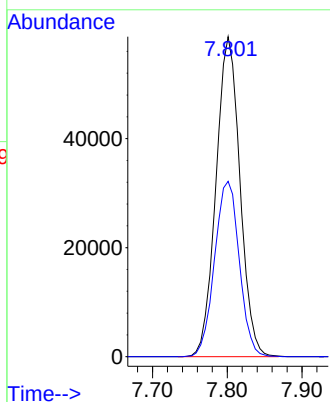
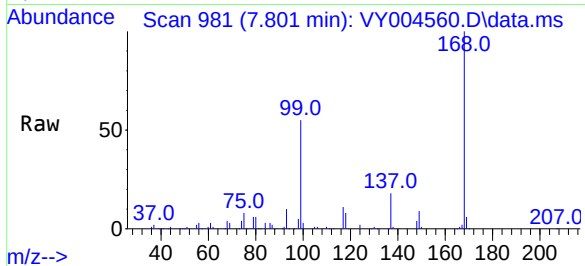




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.210 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

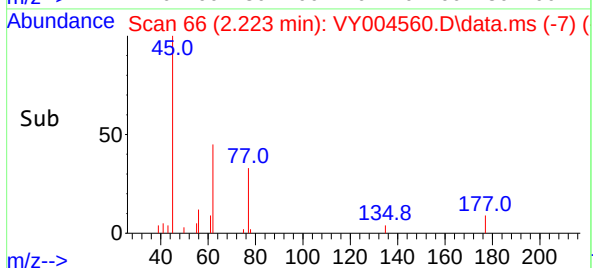
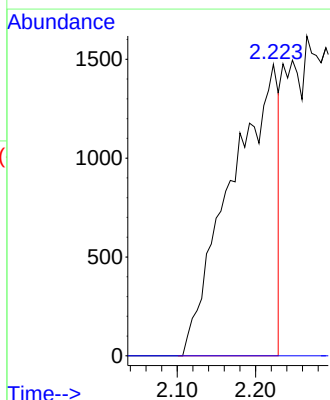
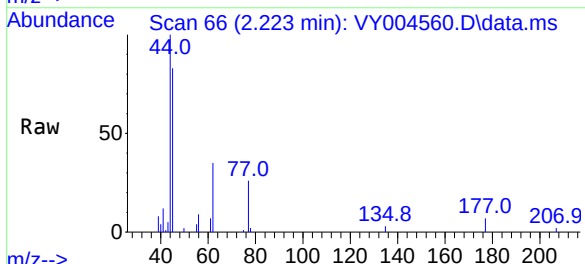
Instrument :
MSVOA_Y
ClientSampleId :

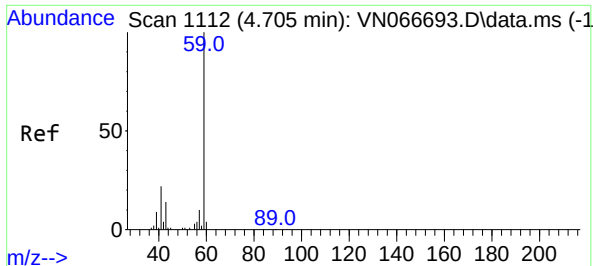
Tgt Ion:168 Resp: 130991
Ion Ratio Lower Upper
168 100
99 54.8 42.6 63.8



#4
Vinyl Chloride
Concen: 3.30 ug/l
RT: 2.223 min Scan# 66
Delta R.T. 0.060 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

Tgt Ion: 62 Resp: 6192
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#

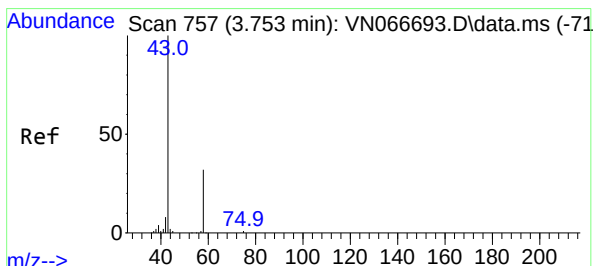
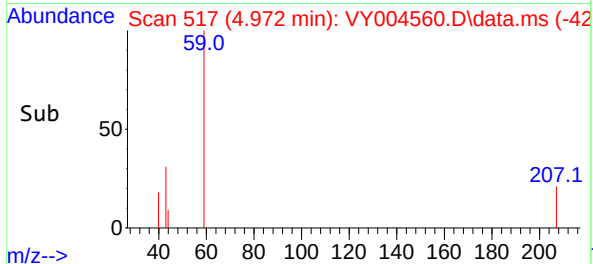
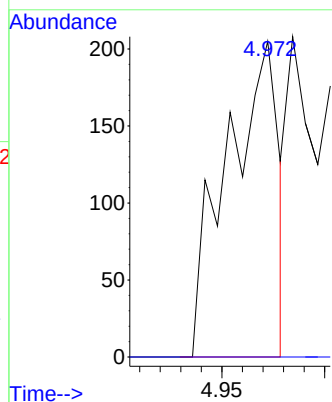
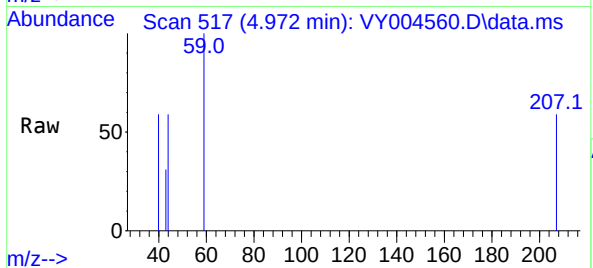




#11
Tert butyl alcohol
Concen: 1.77 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.267 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

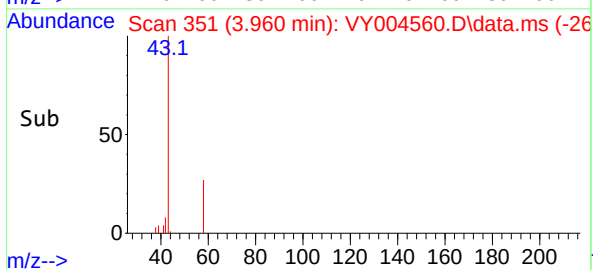
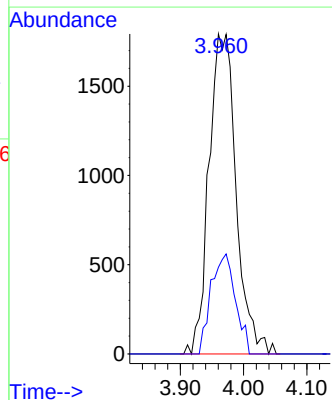
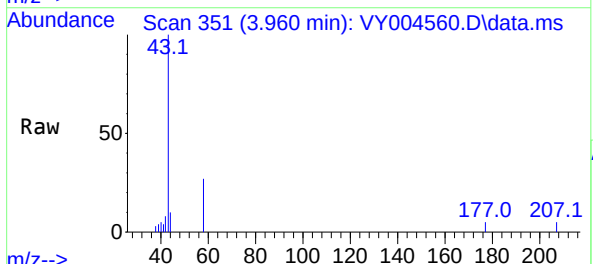
Instrument :
MSVOA_Y
ClientSampled :

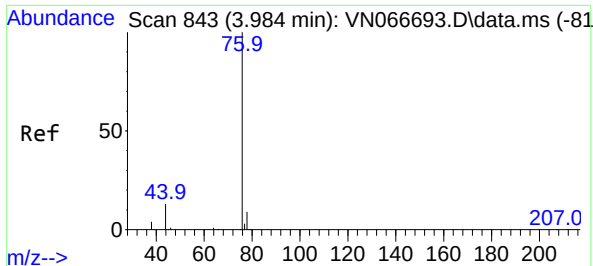
Tgt Ion: 59 Resp: 358
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 8.92 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.207 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

Tgt Ion: 43 Resp: 5345
Ion Ratio Lower Upper
43 100
58 27.1 27.0 40.6

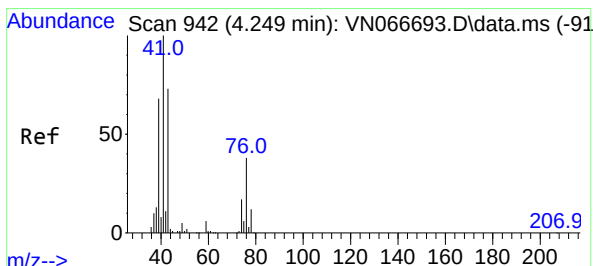
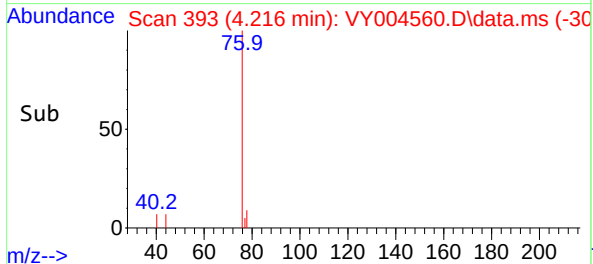
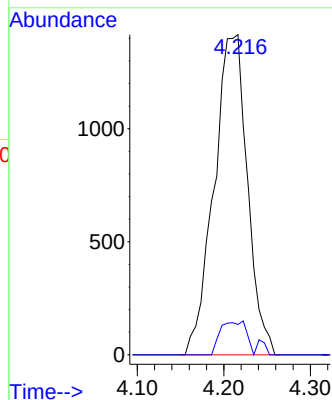
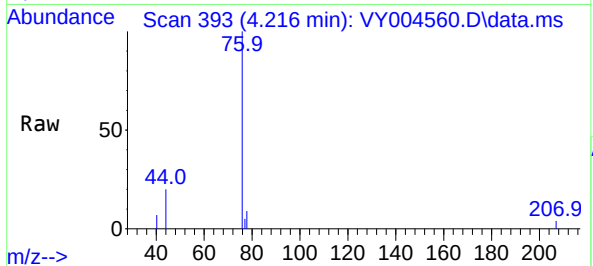




#17
Carbon Disulfide
Concen: 0.92 ug/l
RT: 4.216 min Scan# 393
Delta R.T. 0.232 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

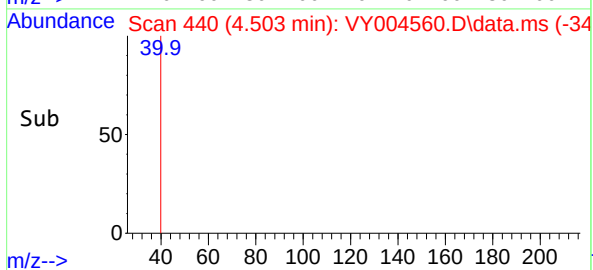
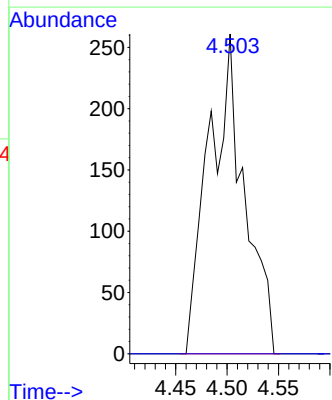
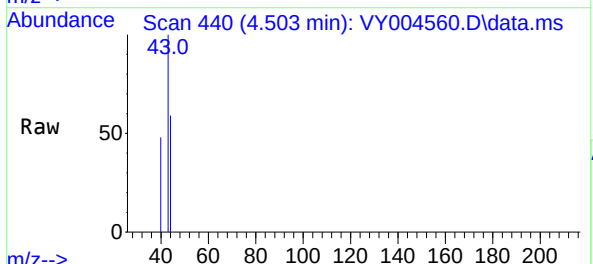
Instrument :
MSVOA_Y
ClientSampled :

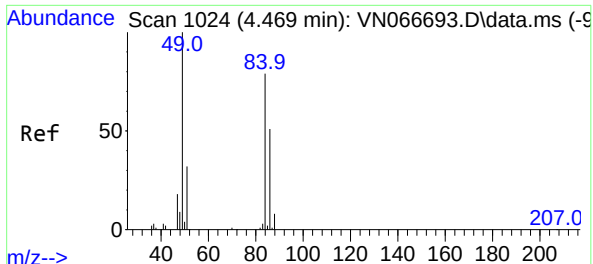
Tgt Ion: 76 Resp: 3792
Ion Ratio Lower Upper
76 100
78 9.5 7.8 11.6



#18
Methyl Acetate
Concen: 0.38 ug/l
RT: 4.503 min Scan# 440
Delta R.T. 0.254 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

Tgt Ion: 43 Resp: 627
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#





#20

Methylene Chloride

Concen: 7.71 ug/l

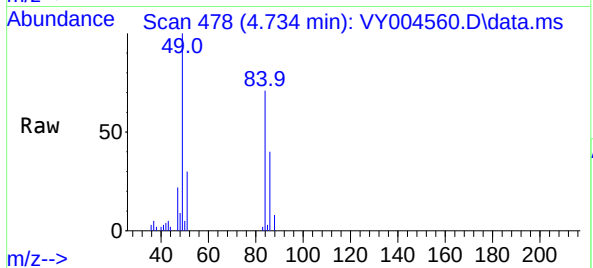
RT: 4.734 min Scan# 478

Delta R.T. 0.265 min

Lab File: VY004560.D

Acq: 21 Apr 2021 16:56

Instrument :
MSVOA_Y
ClientSampled :



Tgt Ion: 84 Resp: 13735

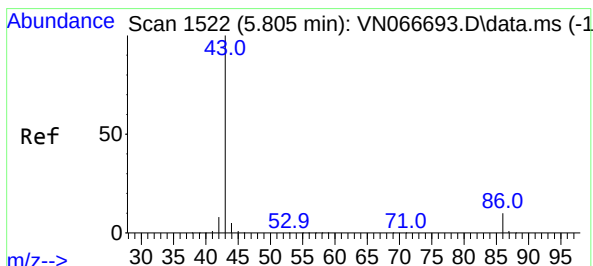
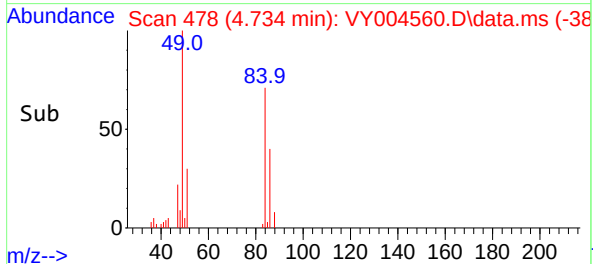
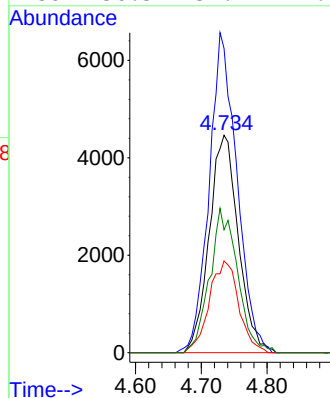
Ion Ratio Lower Upper

84 100

49 140.0 94.6 141.8

51 42.2 29.9 44.9

86 56.5 51.4 77.2



#23

Vinyl Acetate

Concen: 0.40 ug/l

RT: 5.765 min Scan# 647

Delta R.T. -0.040 min

Lab File: VY004560.D

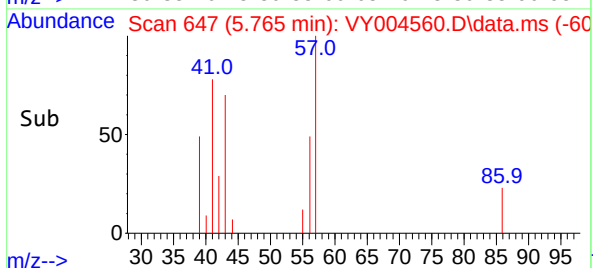
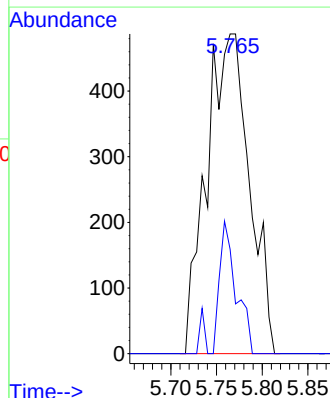
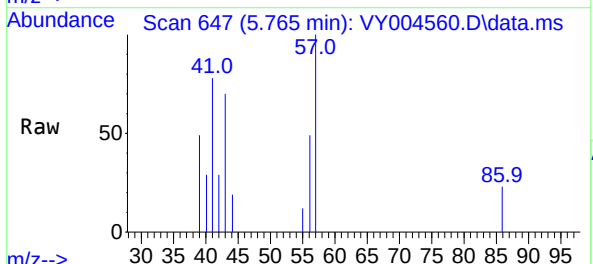
Acq: 21 Apr 2021 16:56

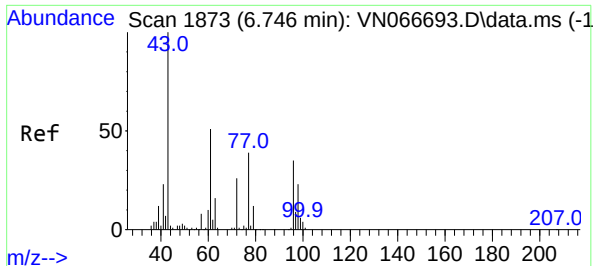
Tgt Ion: 43 Resp: 1596

Ion Ratio Lower Upper

43 100

86 32.6 8.6 13.0#



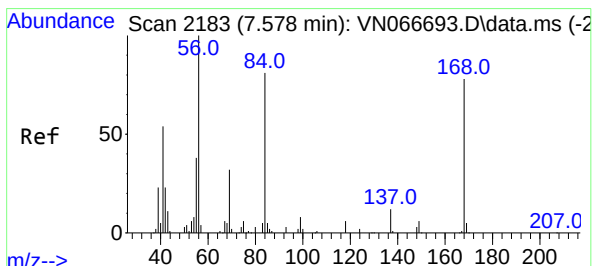
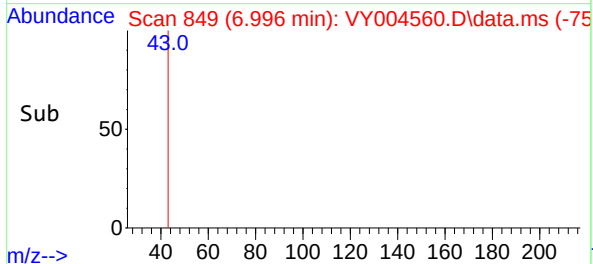
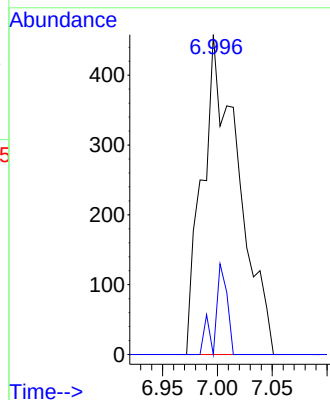
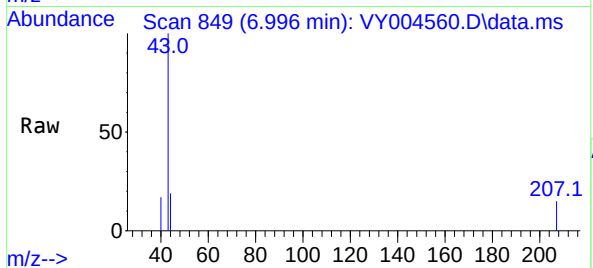


#25

2-Butanone
Concen: 1.22 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.250 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

Instrument :
MSVOA_Y
ClientSampled :

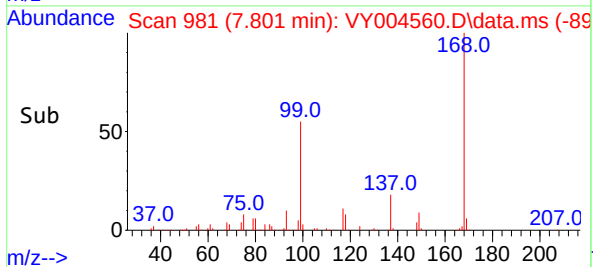
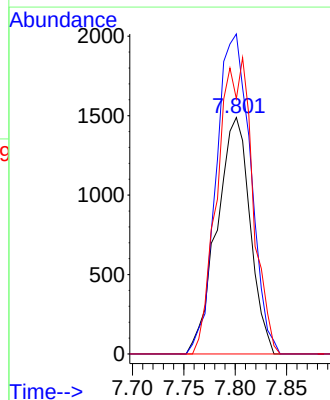
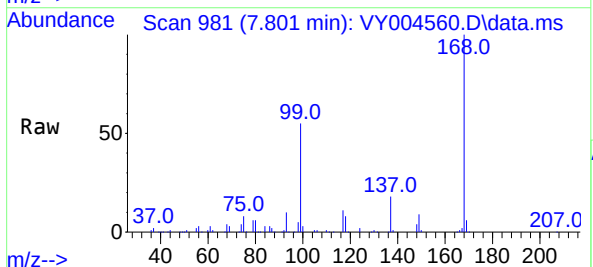
Tgt Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#

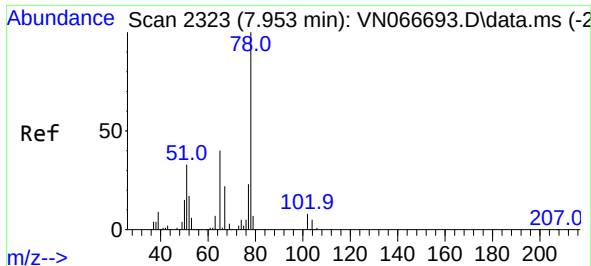


#31

Cyclohexane
Concen: 1.28 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.223 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

Tgt Ion: 56 Resp: 3343
Ion Ratio Lower Upper
56 100
69 135.3 26.6 39.8#
84 107.9 70.4 105.6#

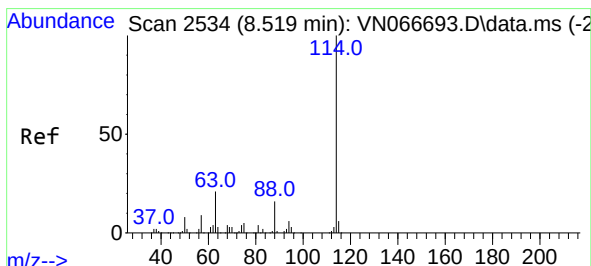
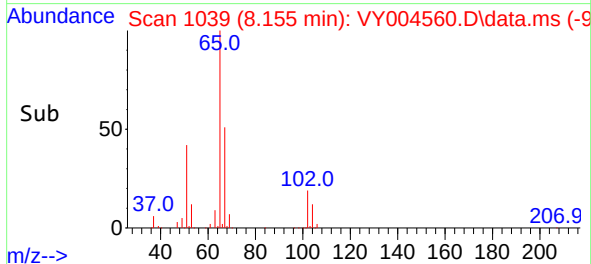
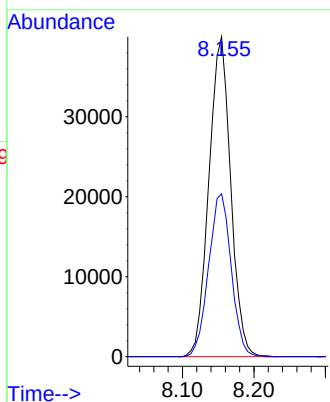
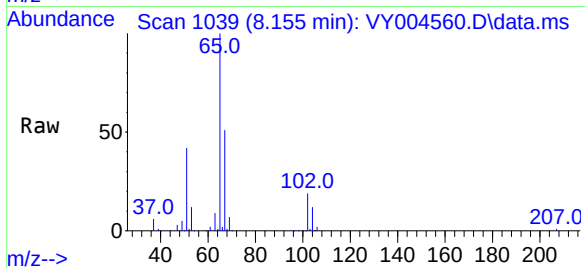




#33
1,2-Dichloroethane-d4
Concen: 52.92 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.202 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

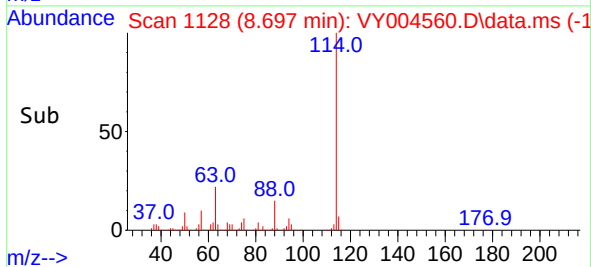
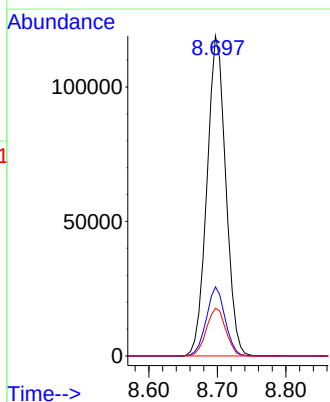
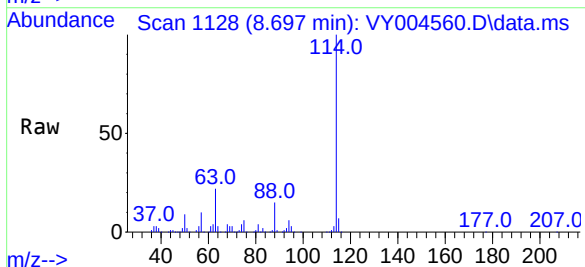
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MSVOA_Y
ClientSampleId :

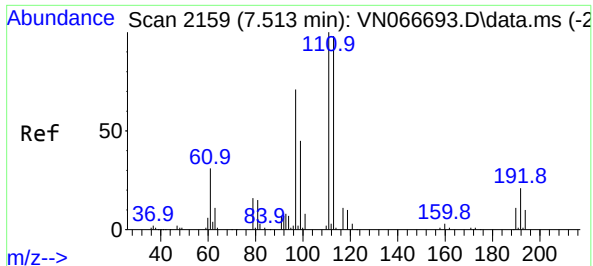
Tgt Ion: 65 Resp: 84689
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.178 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

Tgt Ion: 114 Resp: 227422
Ion Ratio Lower Upper
114 100
63 21.6 0.0 38.6
88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.40 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.221 min

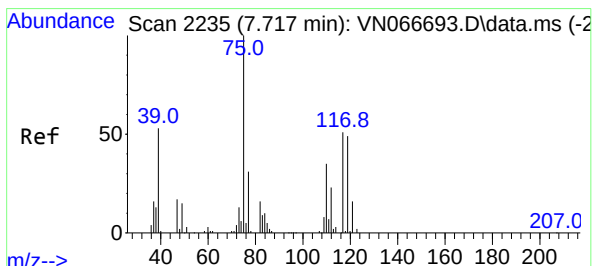
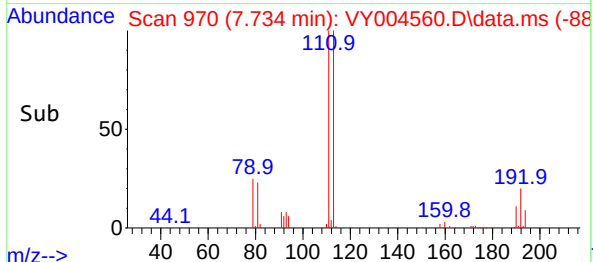
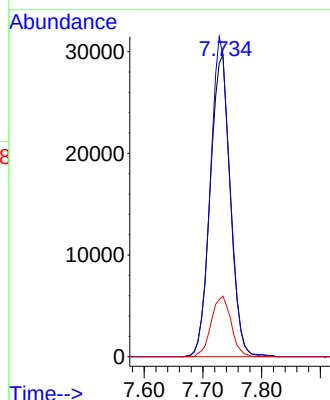
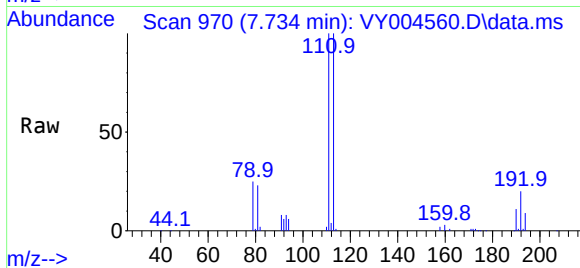
Lab File: VY004560.D

Acq: 21 Apr 2021 16:56

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:113 Resp: 70354

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.2
192	19.9	15.4	23.0



#36

1,1-Dichloropropene

Concen: 5.07 ug/l

RT: 7.801 min Scan# 981

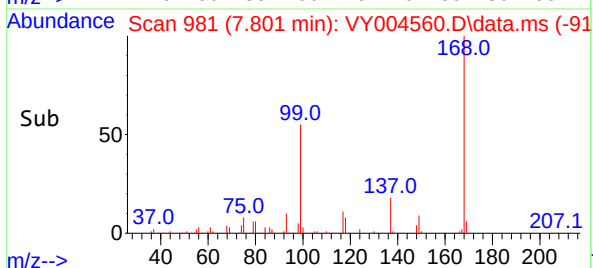
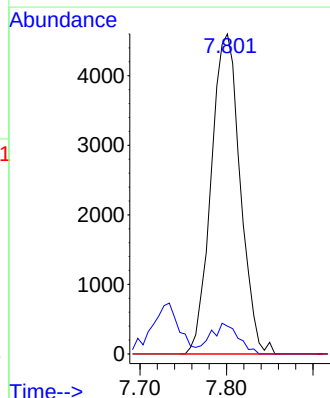
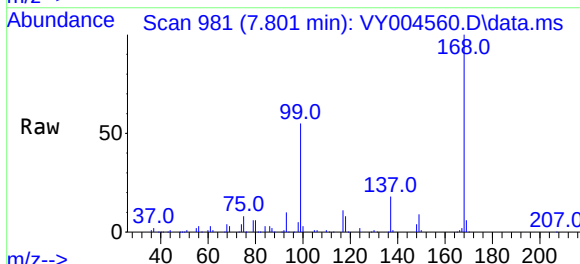
Delta R.T. 0.084 min

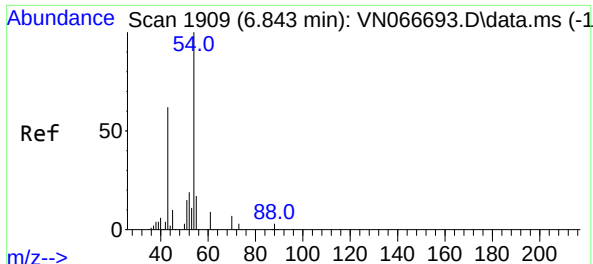
Lab File: VY004560.D

Acq: 21 Apr 2021 16:56

Tgt Ion: 75 Resp: 10711

Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.2	54.6#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 0.47 ug/l

RT: 6.996 min Scan# 849

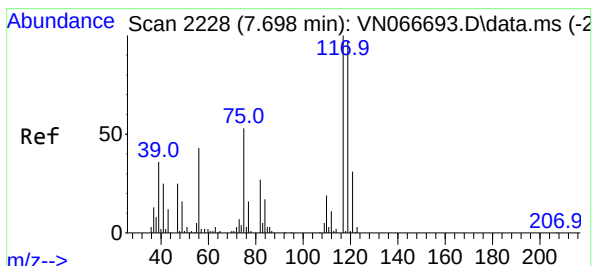
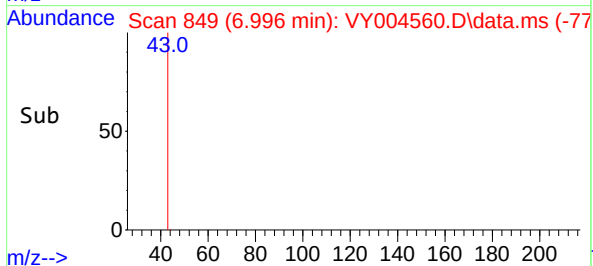
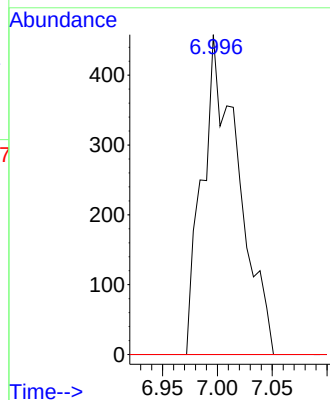
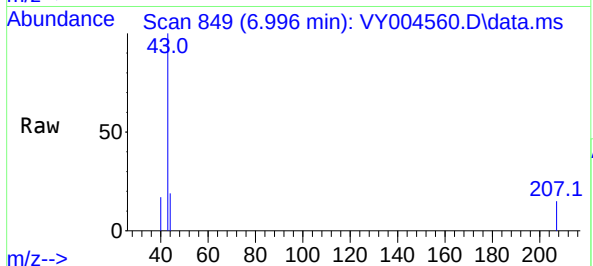
Delta R.T. 0.153 min

Lab File: VY004560.D

Acq: 21 Apr 2021 16:56

Tgt Ion:	43	Resp:	1049
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_Y
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.63 ug/l

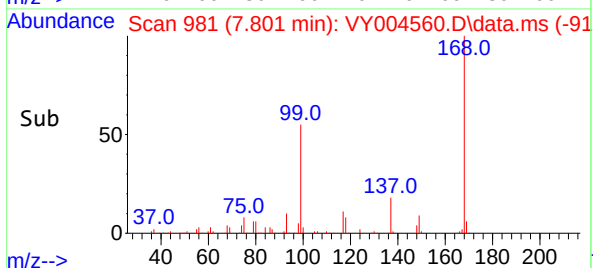
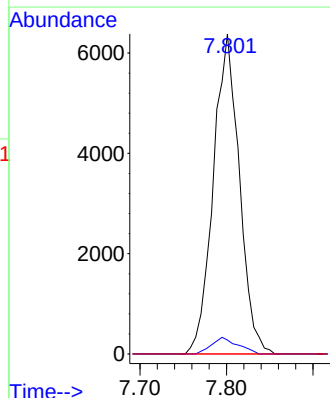
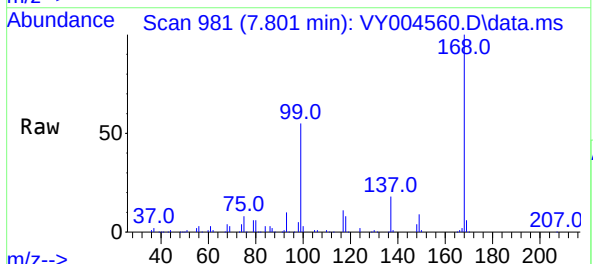
RT: 7.801 min Scan# 981

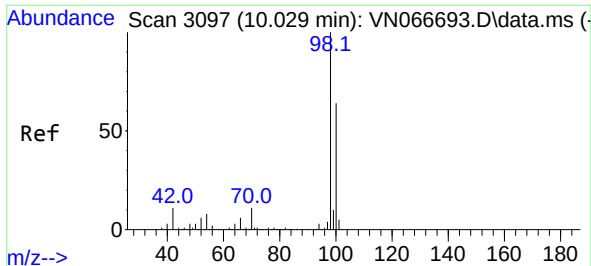
Delta R.T. 0.103 min

Lab File: VY004560.D

Acq: 21 Apr 2021 16:56

Tgt Ion:	117	Resp:	13345
Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.0	114.0#
121	0.0	24.5	36.7#

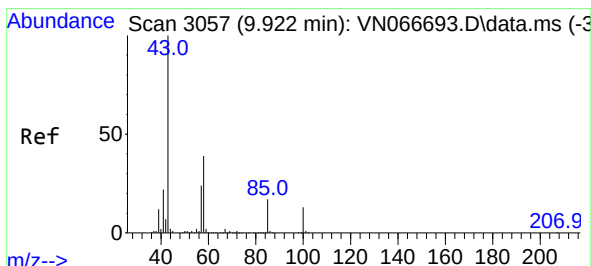
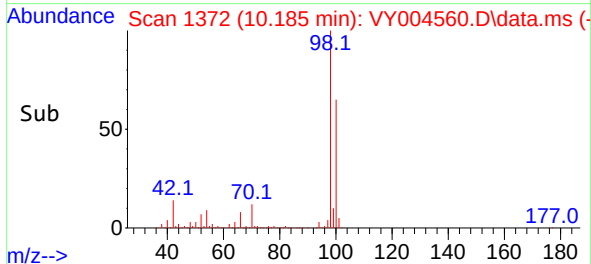
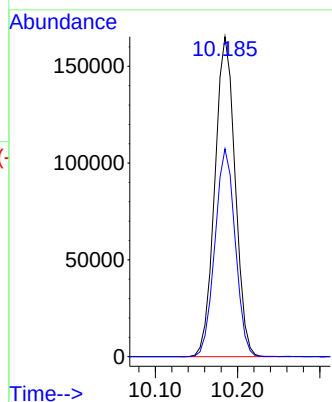
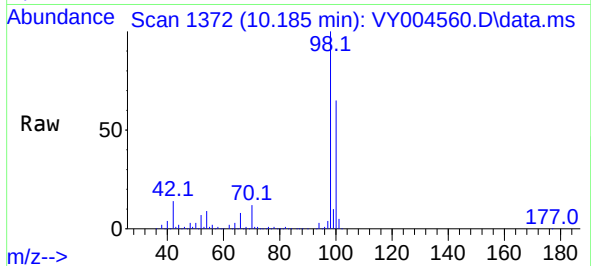




#50
Toluene-d8
Concen: 51.05 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.156 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

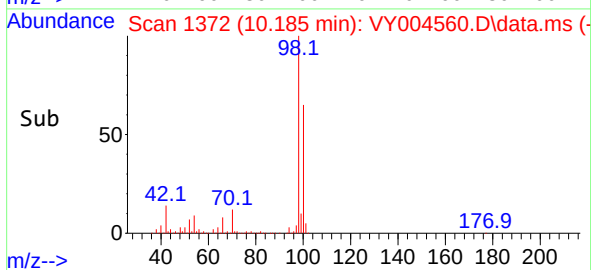
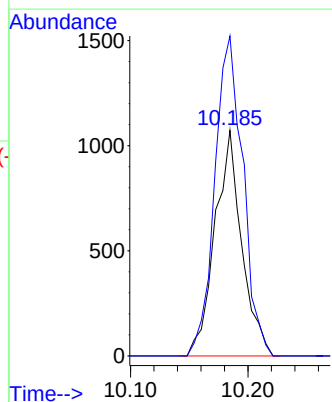
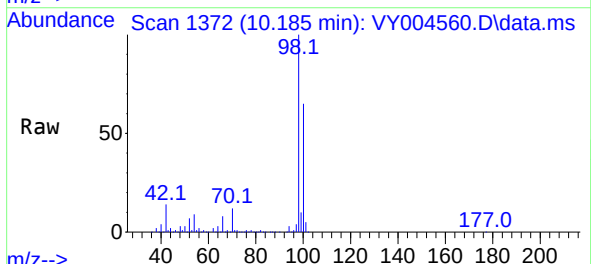
Instrument :
MSVOA_Y
ClientSampled :

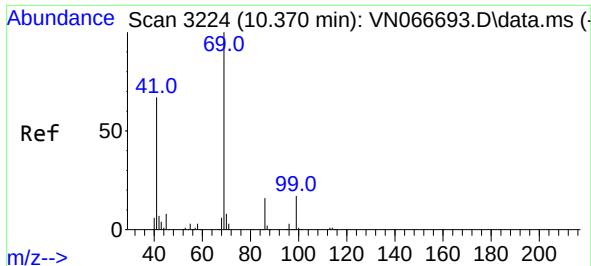
Tgt Ion: 98 Resp: 283520
Ion Ratio Lower Upper
98 100
100 64.9 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.86 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.263 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

Tgt Ion: 43 Resp: 1702
Ion Ratio Lower Upper
43 100
58 148.8 32.5 48.7#

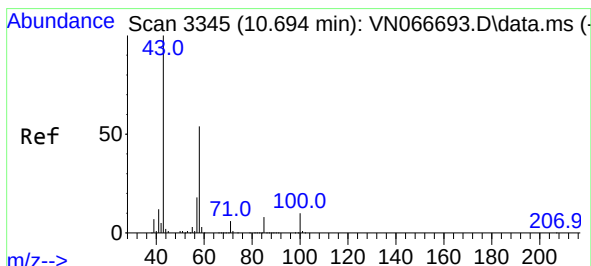
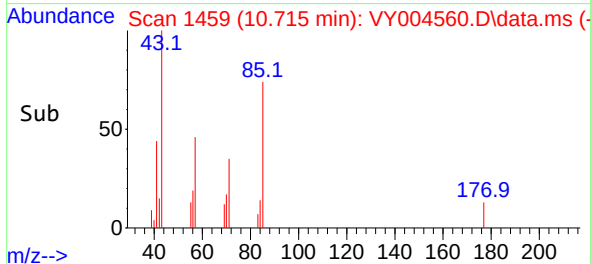
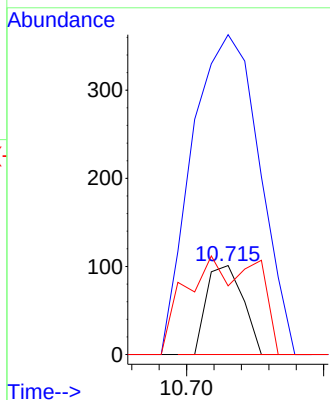
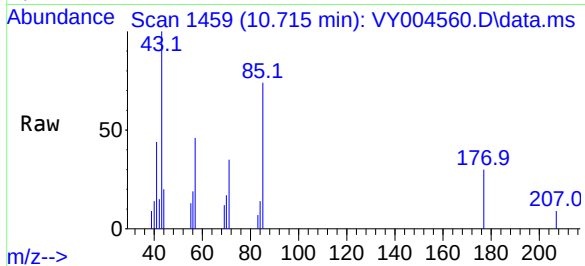




#56
Ethyl methacrylate
Concen: 3.18 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. 0.345 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

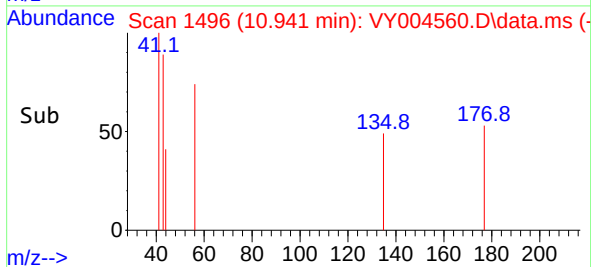
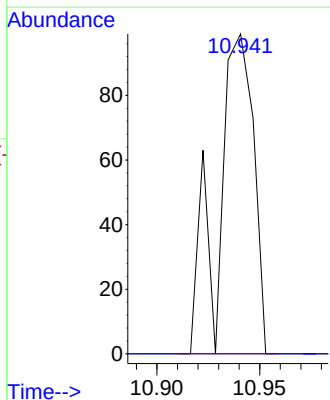
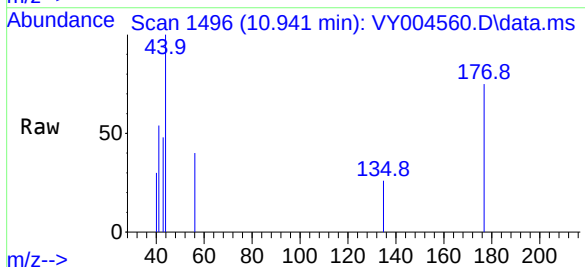
Instrument :
MSVOA_Y
ClientSampleId :

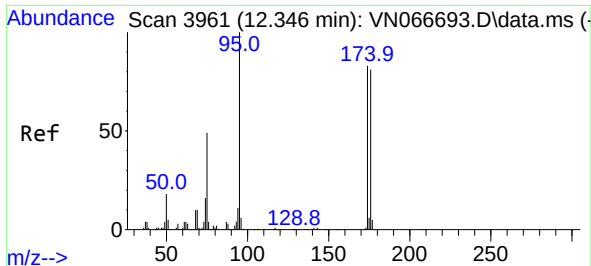
Tgt Ion: 69 Resp: 93
Ion Ratio Lower Upper
69 100
41 668.8 49.6 74.4#
39 215.1 28.0 42.0#



#59
2-Hexanone
Concen: 16.71 ug/l
RT: 10.941 min Scan# 1496
Delta R.T. 0.247 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

Tgt Ion: 43 Resp: 119
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

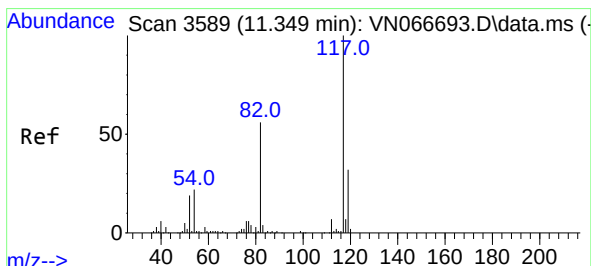
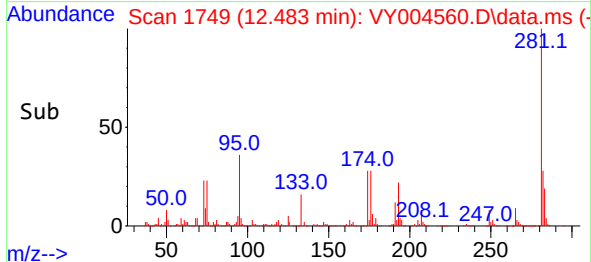
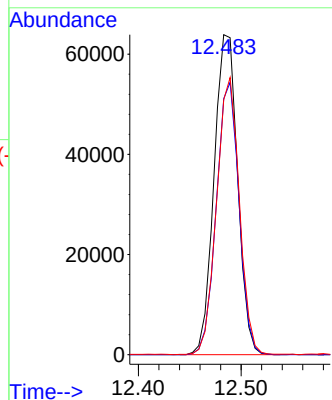
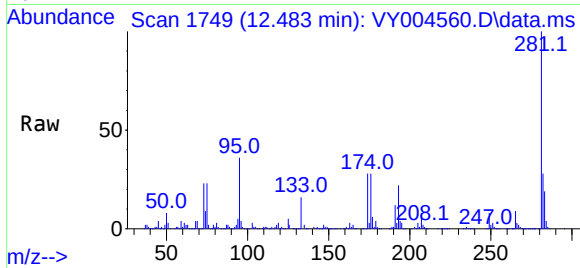




#62
4-Bromofluorobenzene
Concen: 53.35 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.137 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

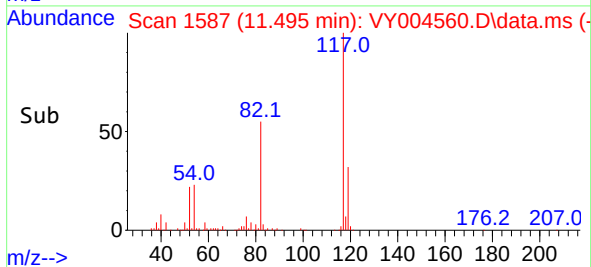
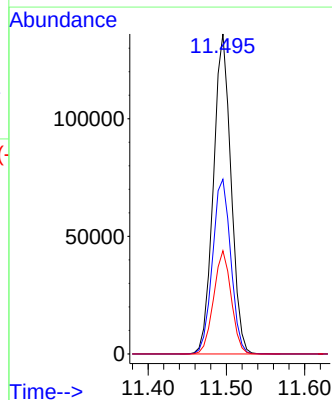
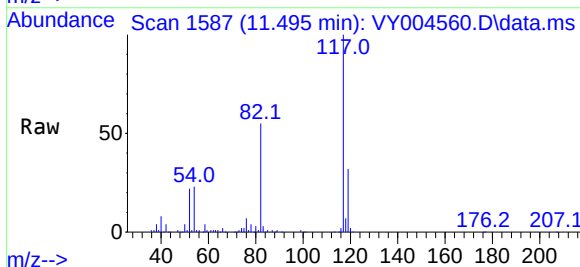
Instrument :
MSVOA_Y
ClientSampleId :

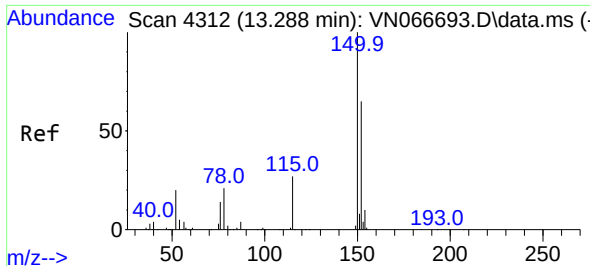
Tgt Ion: 95 Resp: 101484
Ion Ratio Lower Upper
95 100
174 81.7 0.0 169.0
176 83.8 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.146 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

Tgt Ion: 117 Resp: 212548
Ion Ratio Lower Upper
117 100
82 54.6 43.7 65.5
119 32.3 26.1 39.1

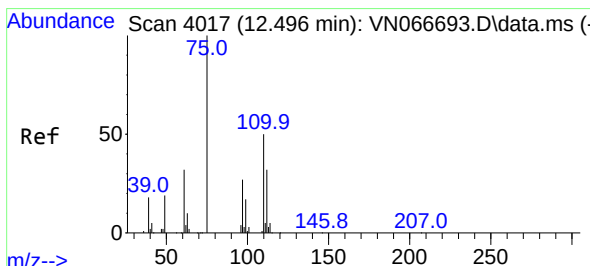
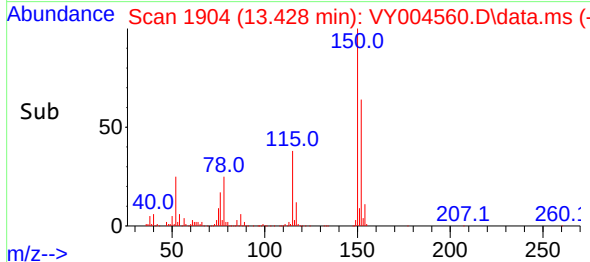
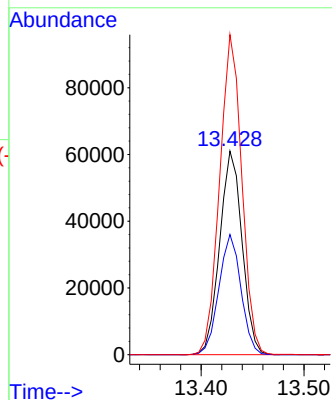
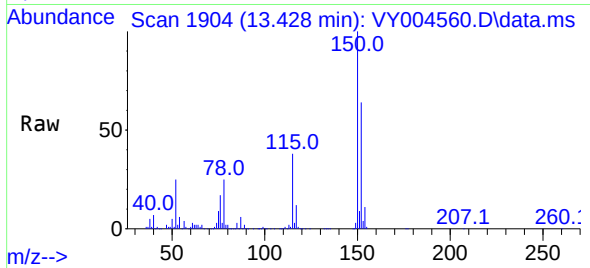




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.140 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

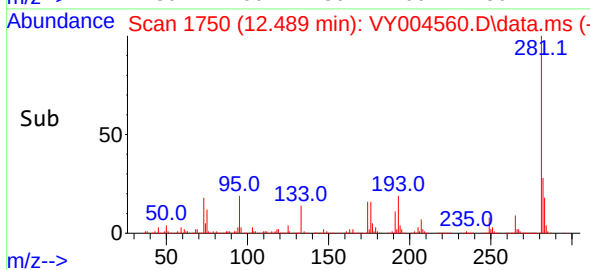
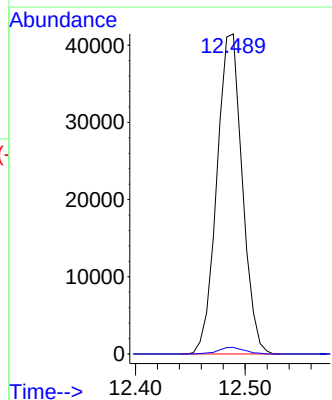
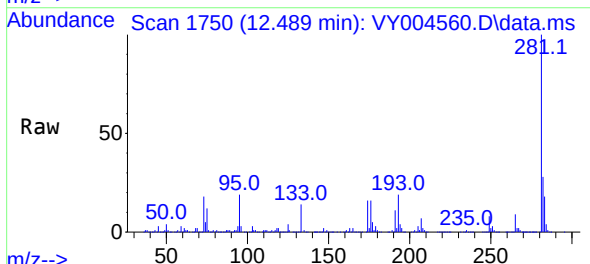
Instrument :
MSVOA_Y
ClientSampleId :

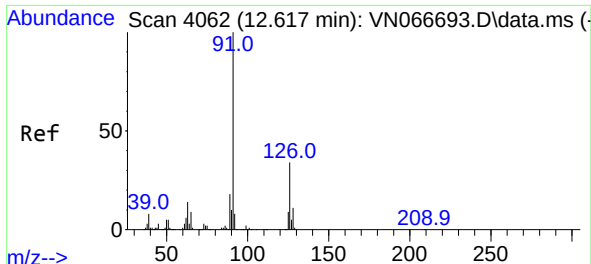
Tgt Ion:152 Resp: 92199
Ion Ratio Lower Upper
152 100
115 58.2 28.5 85.6
150 155.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 33.87 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.007 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

Tgt Ion: 75 Resp: 66814
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#

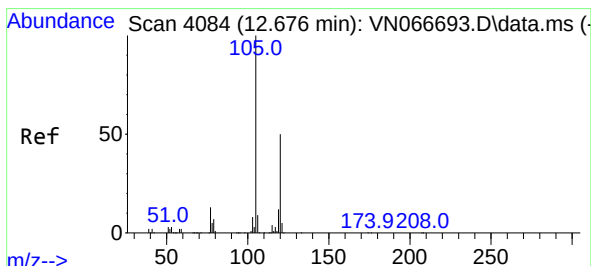
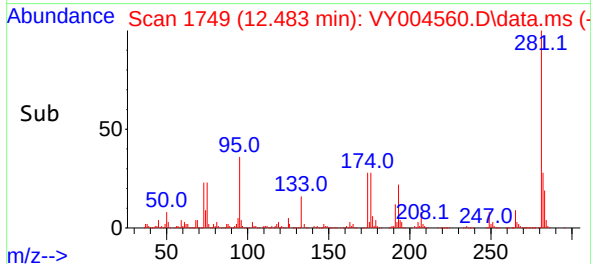
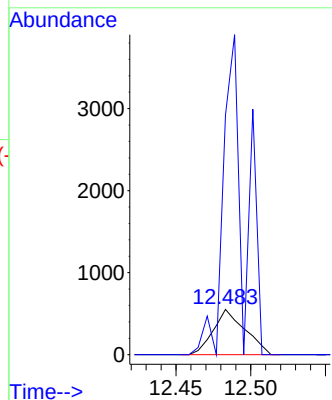
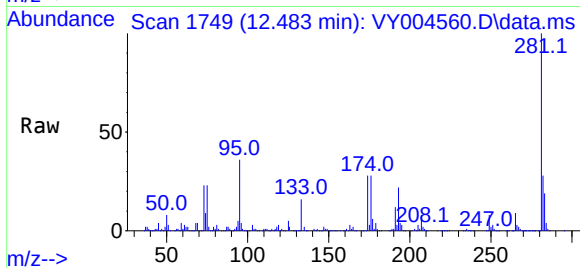




#79
2-Chlorotoluene
Concen: 1.10 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.134 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

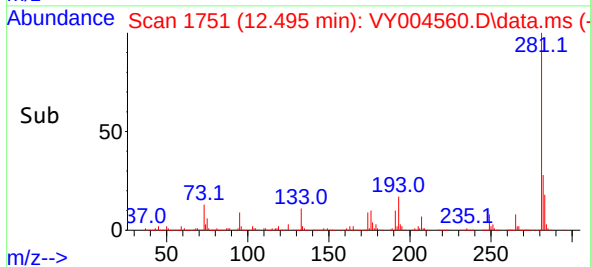
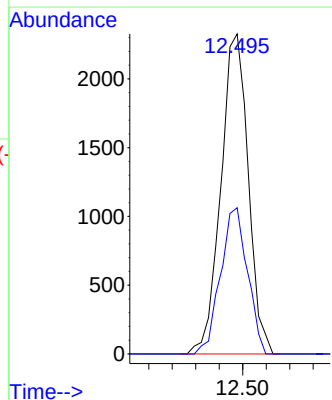
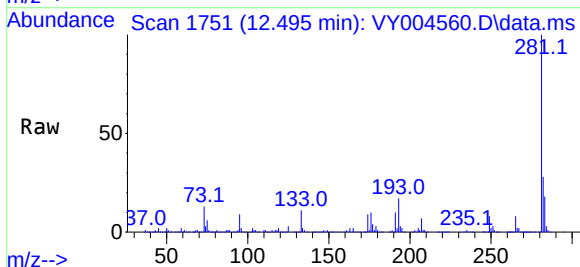
Instrument :
MSVOA_Y
ClientSampleId :

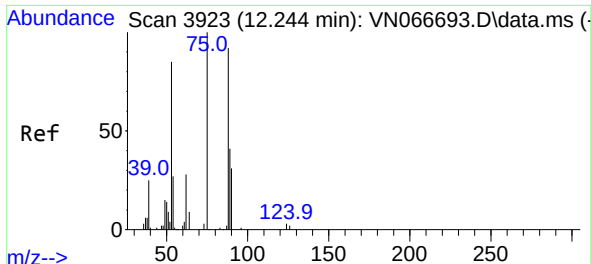
Tgt Ion: 91 Resp: 812
Ion Ratio Lower Upper
91 100
126 467.1 17.4 52.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.68 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.181 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

Tgt Ion: 105 Resp: 3761
Ion Ratio Lower Upper
105 100
120 45.0 24.3 72.8

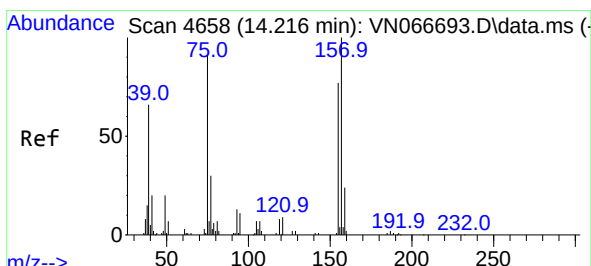
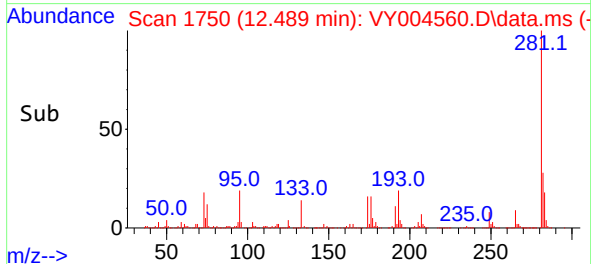
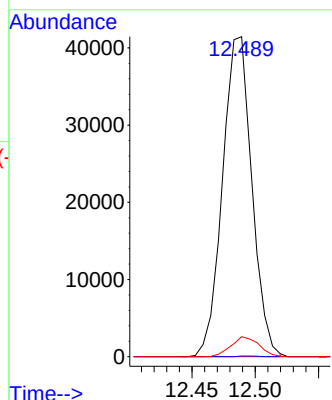
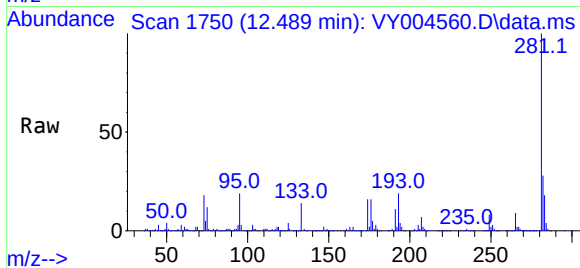




#81
trans-1,4-Dichloro-2-butene
Concen: 97.79 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.245 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

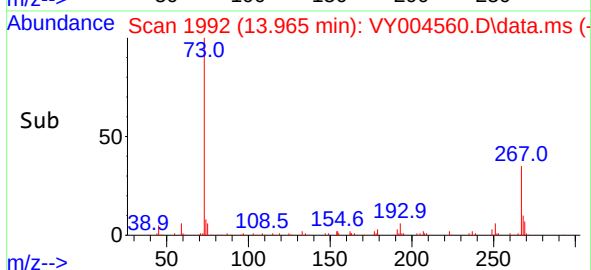
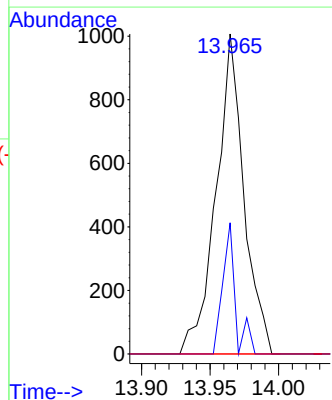
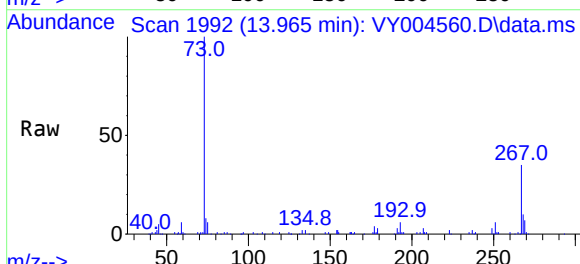
Instrument :
MSVOA_Y
ClientSampleId :

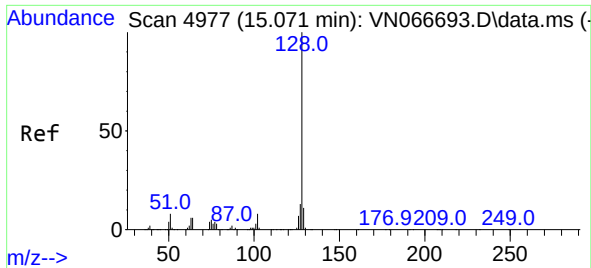
Tgt Ion: 75 Resp: 66808
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 5.9 35.8 53.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.60 ug/l
RT: 13.965 min Scan# 1992
Delta R.T. -0.251 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

Tgt Ion: 75 Resp: 1421
Ion Ratio Lower Upper
75 100
155 18.6 44.1 132.4#
157 0.0 56.0 168.2#





#95
Naphthalene
Concen: 1.90 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.162 min
Lab File: VY004560.D
Acq: 21 Apr 2021 16:56

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:	128	Resp:	236
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	13.0#

