

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062921\
 Data File : VN067560.D
 Acq On : 29 Jun 2021 18:05
 Operator : JC/MD
 Sample : M2860-01RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 29 18:23:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062821W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 28 14:31:03 2021
 Response via : Initial Calibration

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

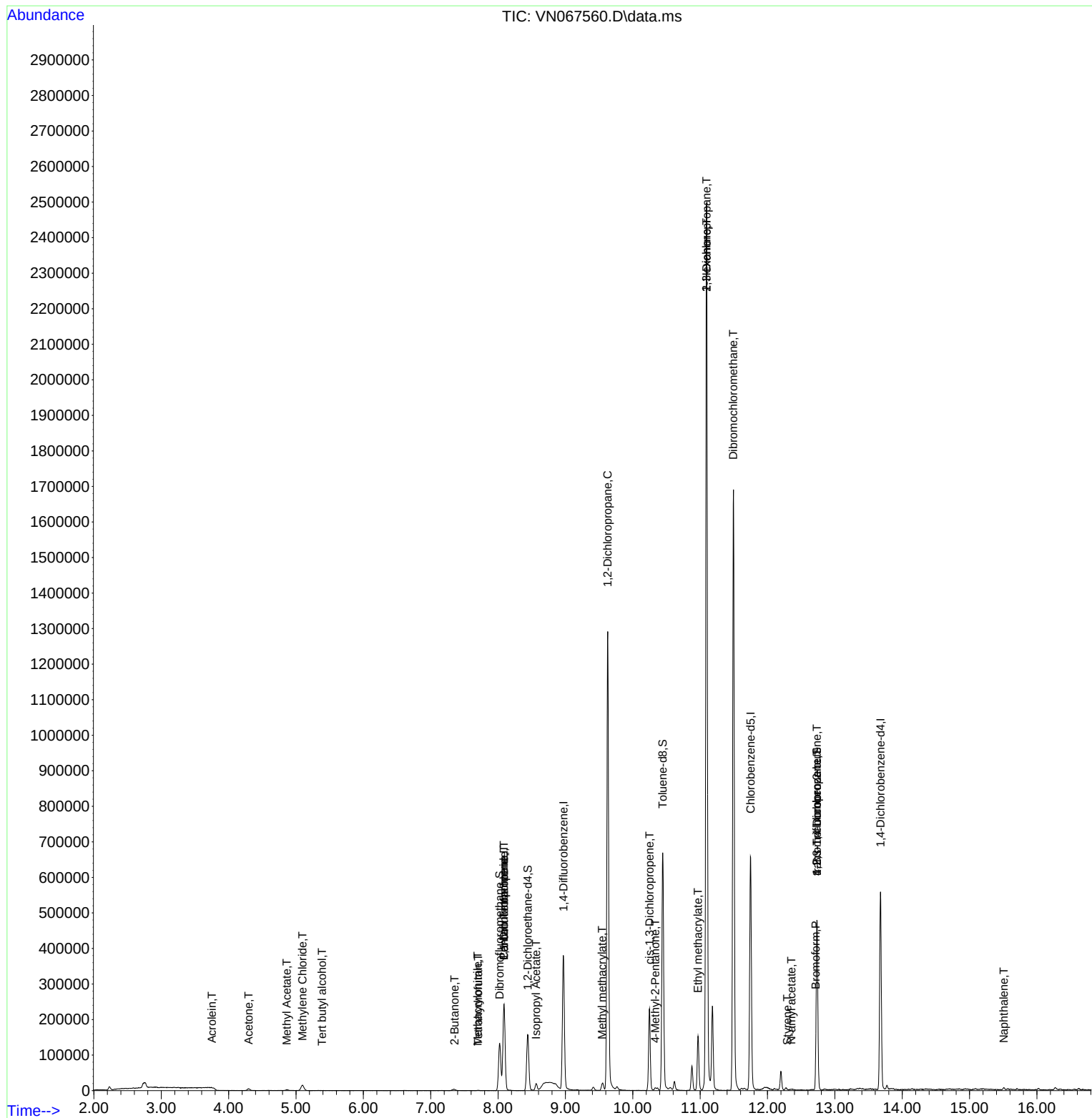
Internal Standards						
1) Pentafluorobenzene	8.088	168	173637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	329635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	392592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	142194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	131518	55.344	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 110.680%	
35) Dibromofluoromethane	8.021	113	95614	46.784	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 93.560%	
50) Toluene-d8	10.443	98	475543	57.280	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 114.560%	
62) 4-Bromofluorobenzene	12.734	95	170837	58.911	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 117.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.388	59	176	0.496	ug/l #	71
13) Acrolein	3.752	56	51	2.443	ug/l #	1
16) Acetone	4.296	43	9954	12.699	ug/l	93
18) Methyl Acetate	4.862	43	4931	2.358	ug/l #	84
20) Methylene Chloride	5.095	84	12259	5.779	ug/l	85
25) 2-Butanone	7.354	43	4416	3.653	ug/l	96
29) Tetrahydrofuran	7.705	42	514	0.639	ug/l #	62
31) Cyclohexane	8.083	56	4879	Below Cal	#	46
36) 1,1-Dichloropropene	8.088	75	16650	5.595	ug/l #	52
38) Carbon Tetrachloride	8.088	117	20001	6.274	ug/l #	16
41) Methacrylonitrile	7.697	41	327	0.240	ug/l #	34
43) Isopropyl Acetate	8.566	43	23058	4.940	ug/l #	92
45) 1,2-Dichloropropane	9.628	63	1488	0.660	ug/l #	44
48) Methyl methacrylate	9.545	41	5611	2.745	ug/l #	12
51) 4-Methyl-2-Pentanone	10.333	43	5982	2.124	ug/l #	87
54) cis-1,3-Dichloropropene	10.247	75	40748	11.312	ug/l #	57
56) Ethyl methacrylate	10.966	69	849	0.244	ug/l #	1
57) 1,3-Dichloropropane	11.095	76	26708	7.183	ug/l #	43
59) 2-Hexanone	11.095	43	367336	184.750	ug/l #	56
60) Dibromochloromethane	11.492	129	169	2.470	ug/l #	11
70) Styrene	12.296	104	141	1.896	ug/l #	22
71) Bromoform	12.717	173	150	3.516	ug/l #	29
74) N-amyl acetate	12.355	43	1343	0.343	ug/l #	55
76) 1,2,3-Trichloropropane	12.734	75	94433	33.133	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	94433	95.258	ug/l #	6
95) Naphthalene	15.507	128	5839	3.963	ug/l	97

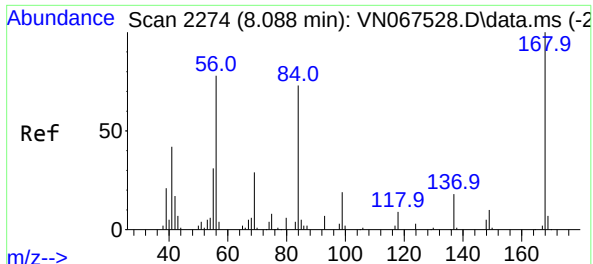
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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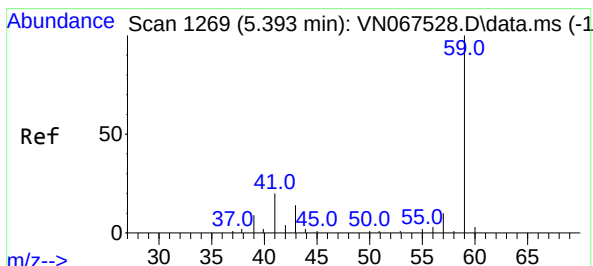
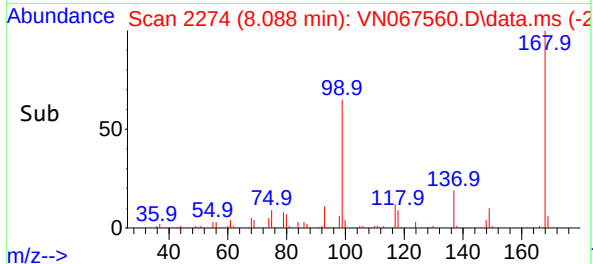
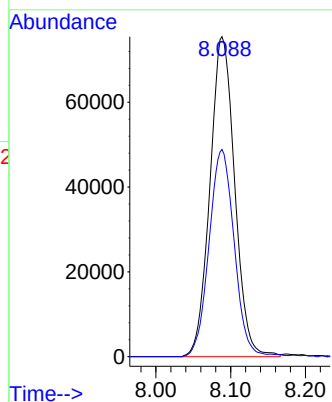
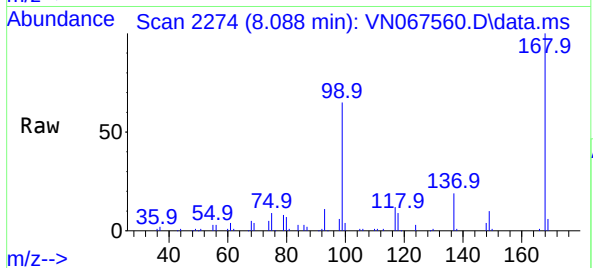




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

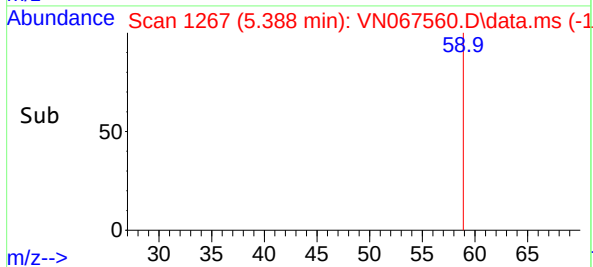
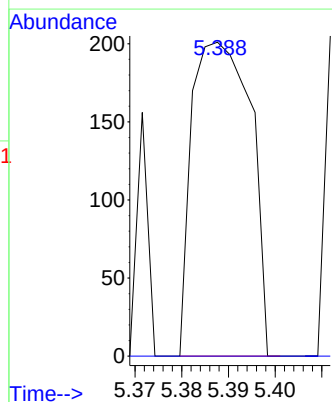
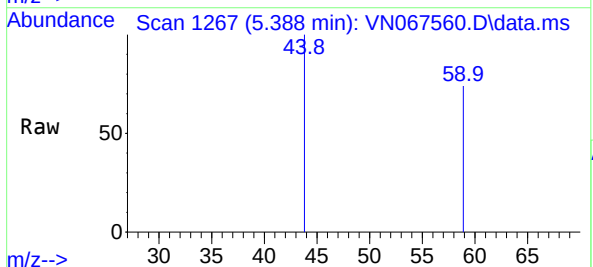
Instrument :
MSVOA_N
ClientSampled :

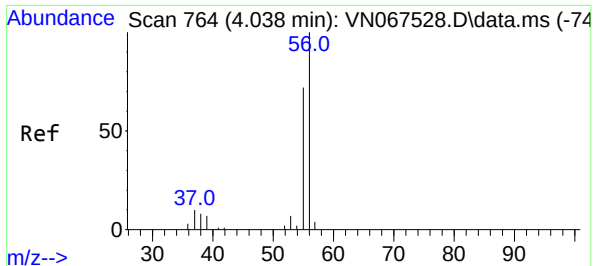
Tgt Ion:168 Resp: 173637
Ion Ratio Lower Upper
168 100
99 64.7 62.9 94.3



#11
Tert butyl alcohol
Concen: 0.496 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. -0.005 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

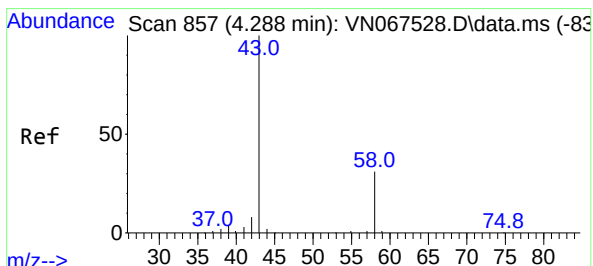
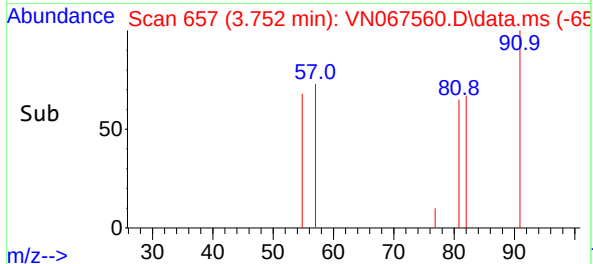
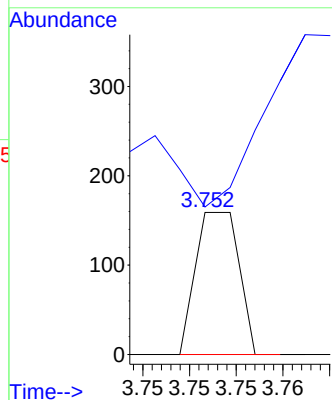
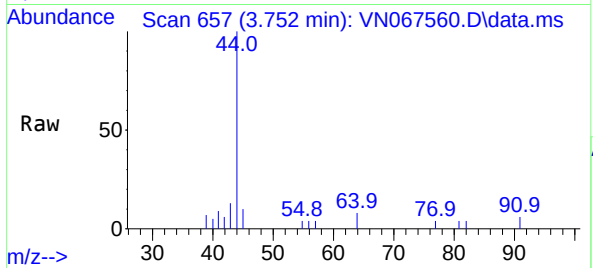




#13
Acrolein
Concen: 2.443 ug/l
RT: 3.752 min Scan# 657
Delta R.T. -0.286 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

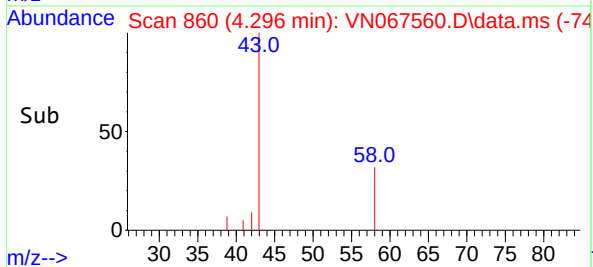
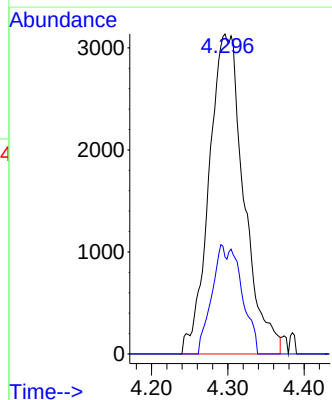
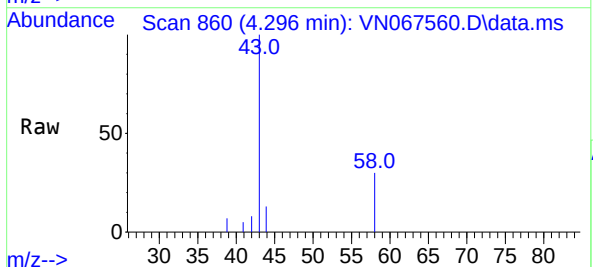
Instrument :
MSVOA_N
ClientSampled :

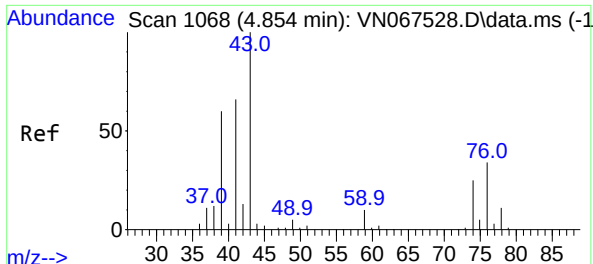
Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 300.0 57.4 86.0#



#16
Acetone
Concen: 12.699 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

Tgt Ion: 43 Resp: 9954
Ion Ratio Lower Upper
43 100
58 30.3 21.2 31.8





#18

Methyl Acetate

Concen: 2.358 ug/l

RT: 4.862 min Scan# 1071

Delta R.T. 0.008 min

Lab File: VN067560.D

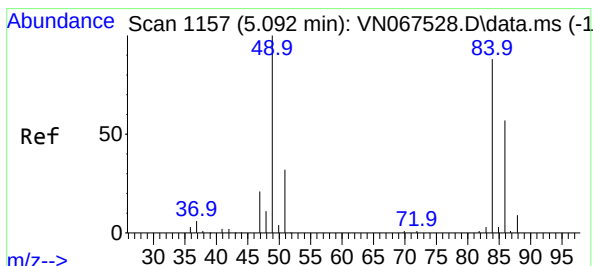
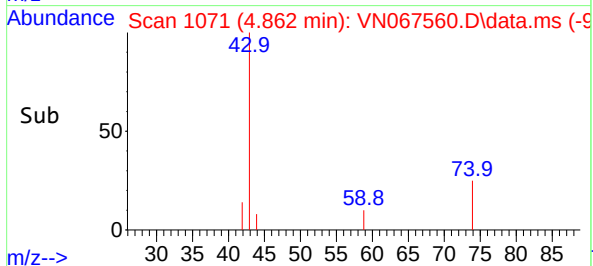
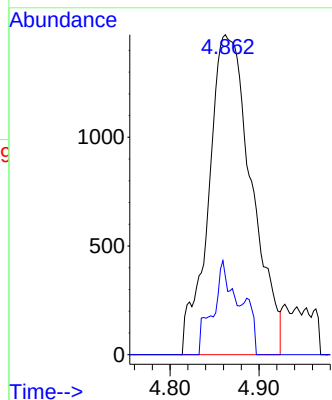
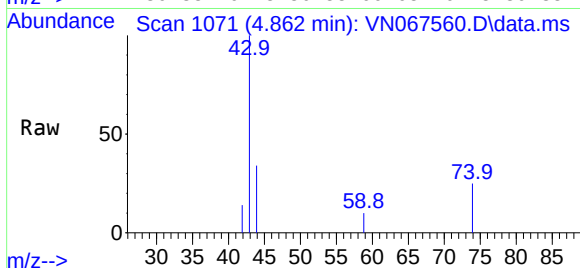
Acq: 29 Jun 2021 18:05

Tgt Ion: 43 Resp: 4931

Ion Ratio Lower Upper

43 100

74 14.0 17.4 26.0#



#20

Methylene Chloride

Concen: 5.779 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.003 min

Lab File: VN067560.D

Acq: 29 Jun 2021 18:05

Tgt Ion: 84 Resp: 12259

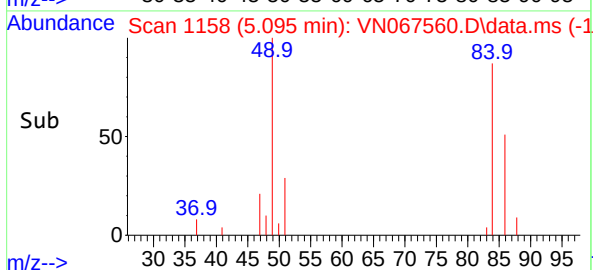
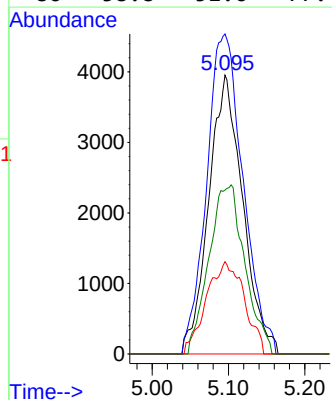
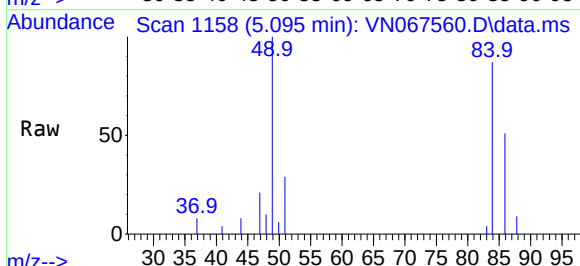
Ion Ratio Lower Upper

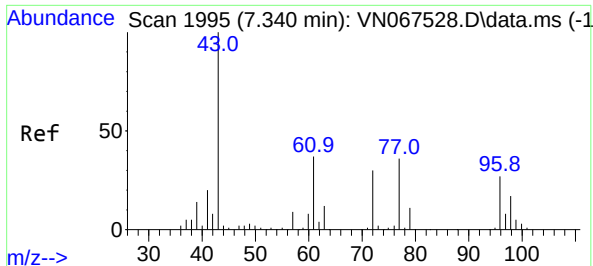
84 100

49 114.8 110.9 166.3

51 33.1 32.6 49.0

86 58.8 51.6 77.4

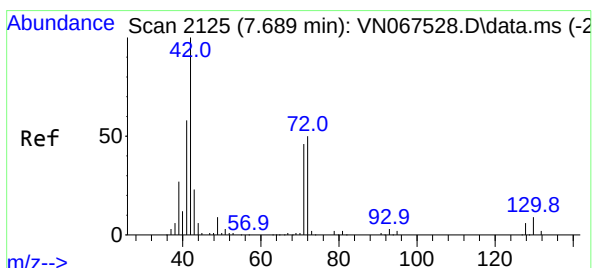
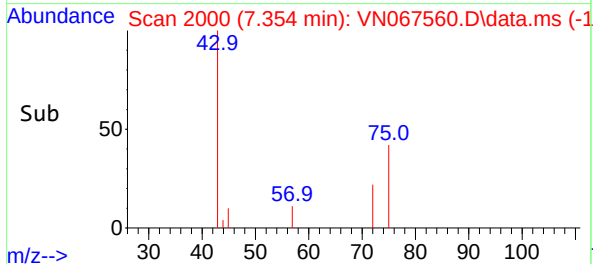
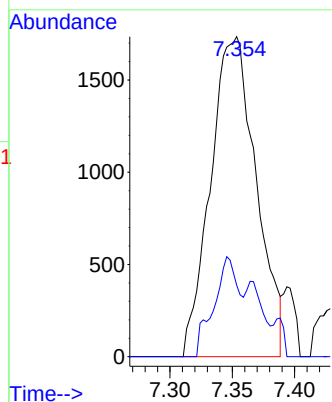
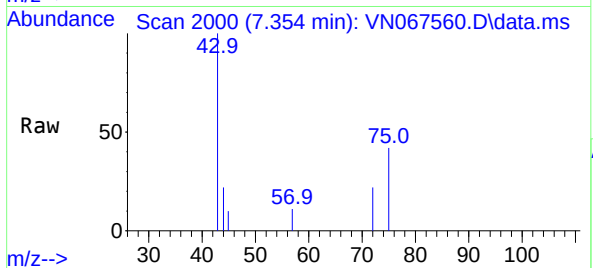




#25
2-Butanone
Concen: 3.653 ug/l
RT: 7.354 min Scan# 2000
Delta R.T. 0.014 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

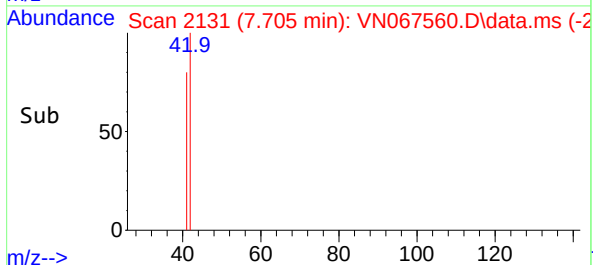
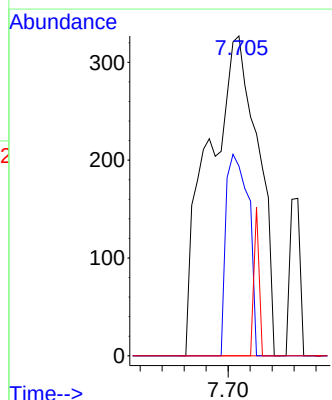
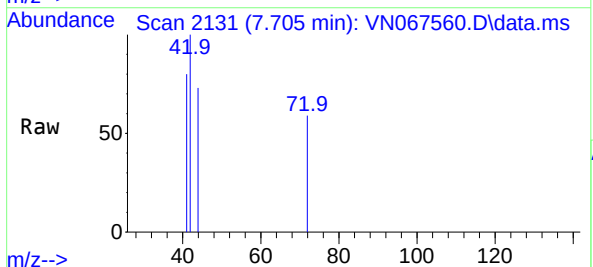
Instrument :
MSVOA_N
ClientSampled :

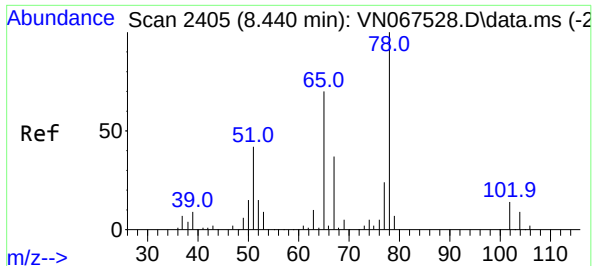
Tgt Ion: 43 Resp: 4416
Ion Ratio Lower Upper
43 100
72 22.4 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.639 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.016 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

Tgt Ion: 42 Resp: 514
Ion Ratio Lower Upper
42 100
72 28.6 32.8 49.2#
71 4.7 31.2 46.8#

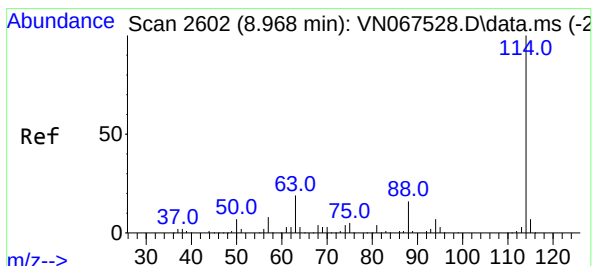
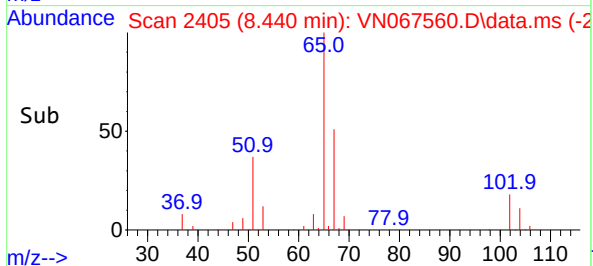
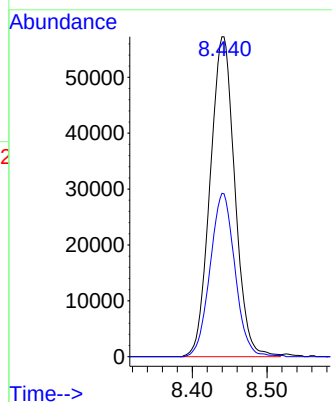
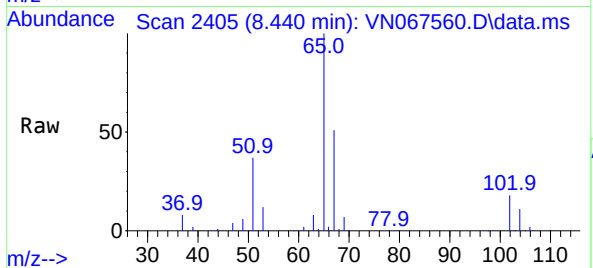




#33
1,2-Dichloroethane-d4
Concen: 55.344 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

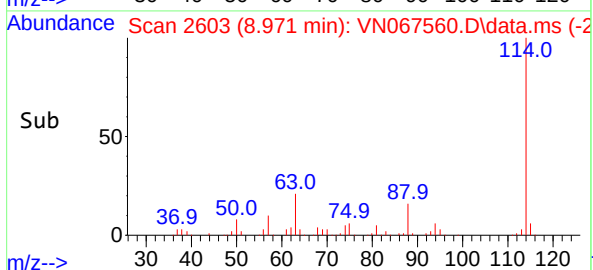
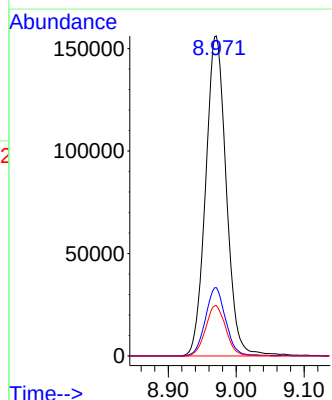
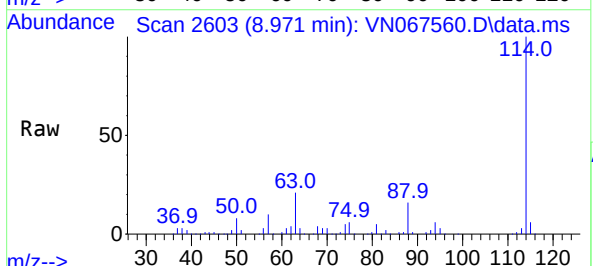
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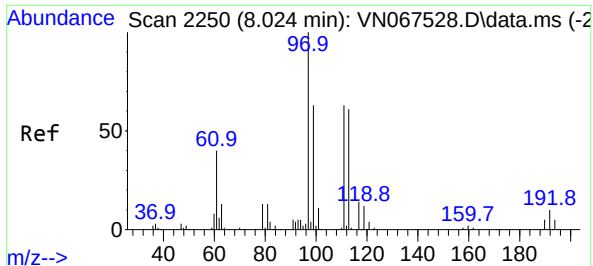
Tgt Ion: 65 Resp: 131518
Ion Ratio Lower Upper
65 100
67 51.3 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

Tgt Ion:114 Resp: 329635
Ion Ratio Lower Upper
114 100
63 21.3 0.0 49.0
88 15.7 0.0 36.6

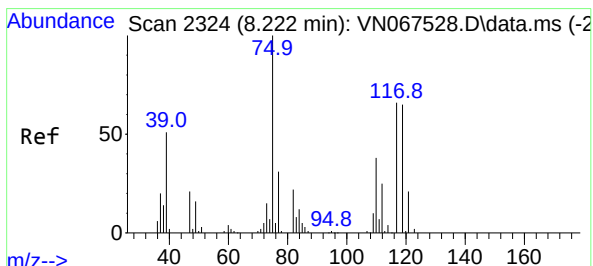
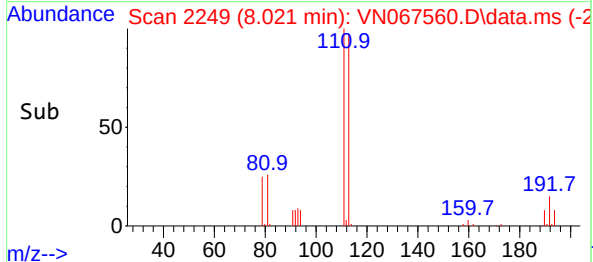
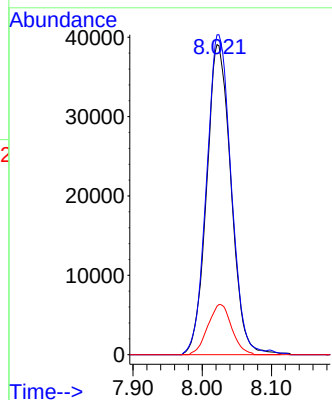
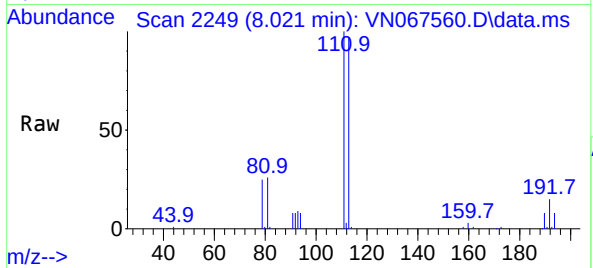




#35
Dibromofluoromethane
Concen: 46.784 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

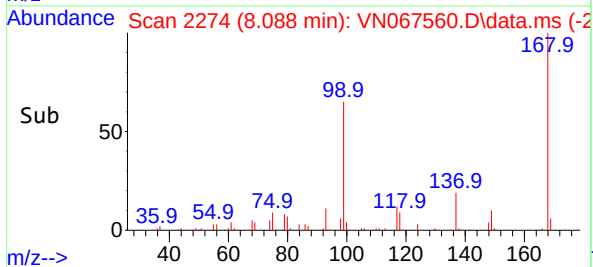
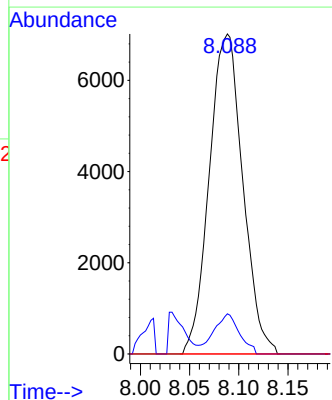
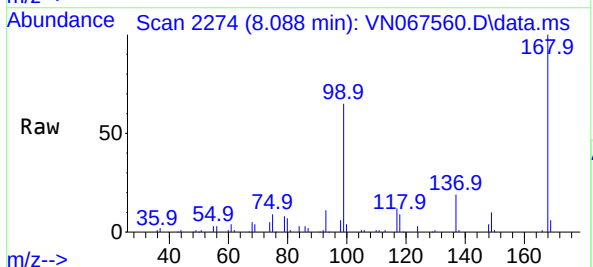
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MSVOA_N
ClientSampled :

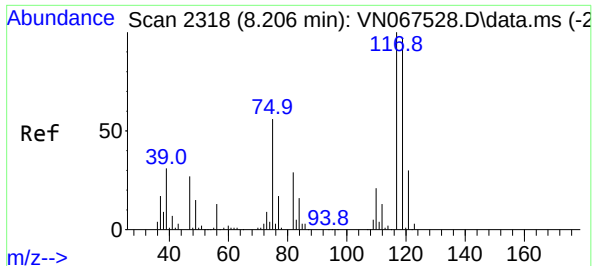
Tgt Ion:113 Resp: 95614
Ion Ratio Lower Upper
113 100
111 103.8 83.8 125.8
192 15.9 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.595 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

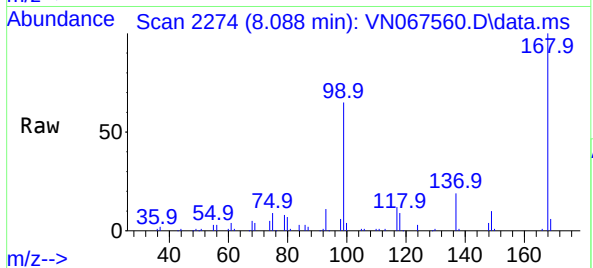
Tgt Ion: 75 Resp: 16650
Ion Ratio Lower Upper
75 100
110 9.4 15.7 47.0#
77 0.0 24.6 37.0#



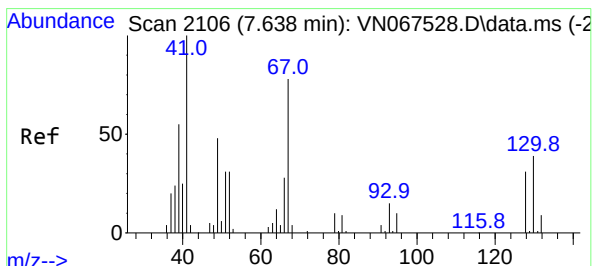
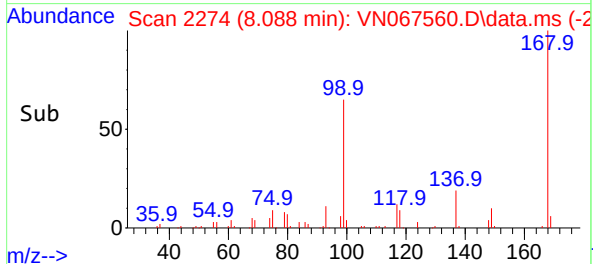
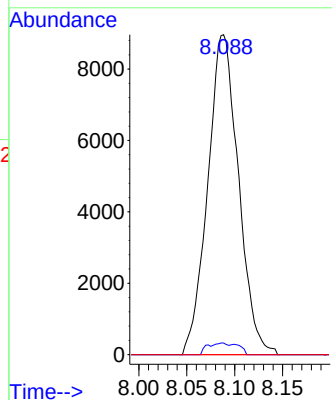


#38
Carbon Tetrachloride
Concen: 6.274 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

Instrument :
MSVOA_N
ClientSampled :

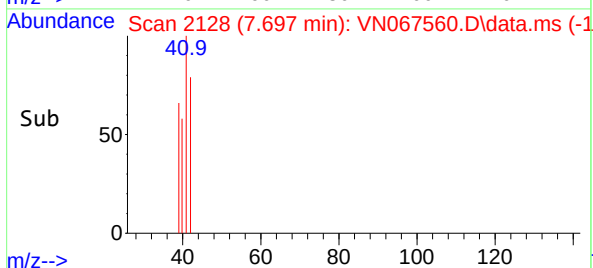
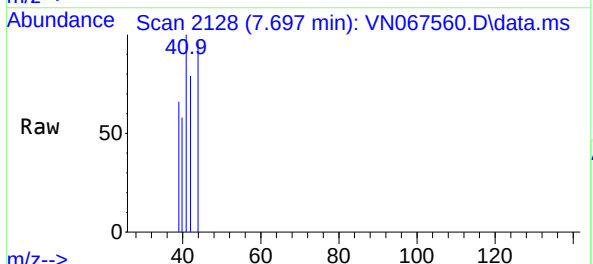
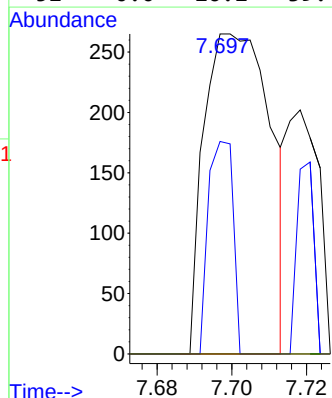


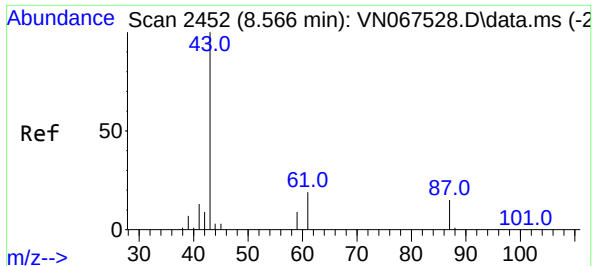
Tgt Ion:117 Resp: 20001
Ion Ratio Lower Upper
117 100
119 3.6 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 0.240 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.059 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

Tgt Ion: 41 Resp: 327
Ion Ratio Lower Upper
41 100
39 24.8 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

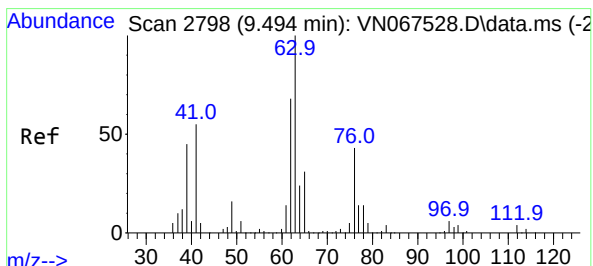
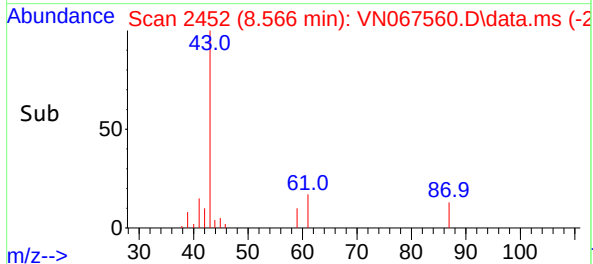
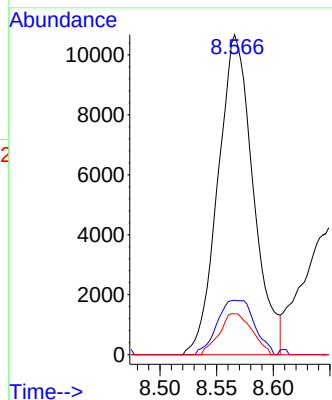
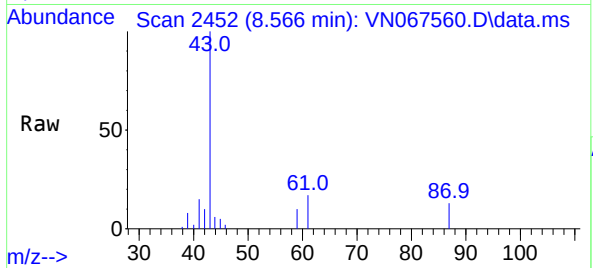




#43
Isopropyl Acetate
Concen: 4.940 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

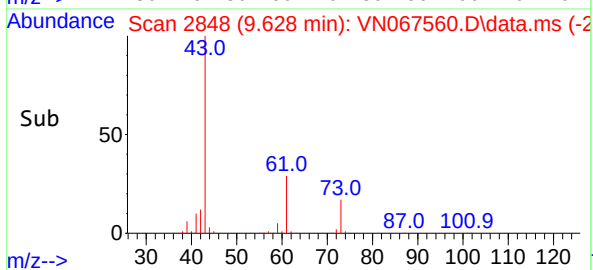
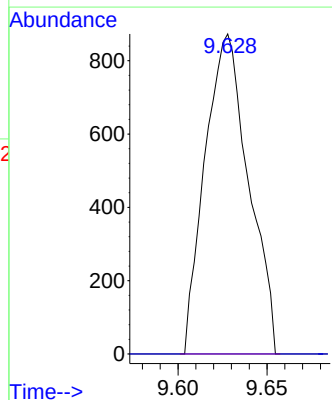
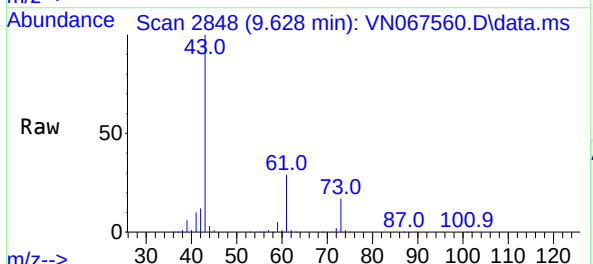
Instrument :
MSVOA_N
ClientSampled :

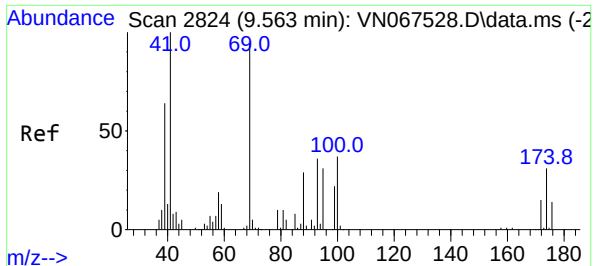
Tgt Ion: 43 Resp: 23058
Ion Ratio Lower Upper
43 100
61 18.0 19.0 28.4#
87 11.9 9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.660 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.134 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

Tgt Ion: 63 Resp: 1488
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

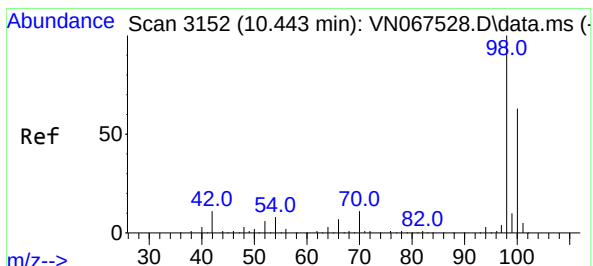
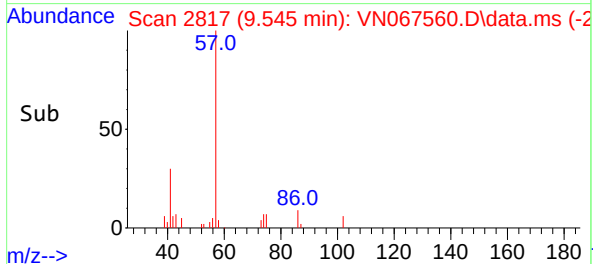
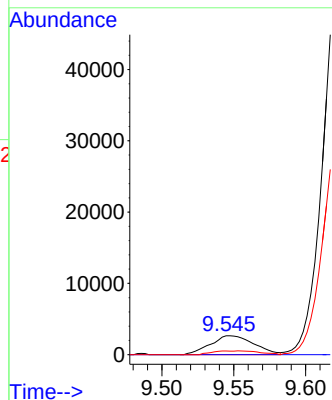
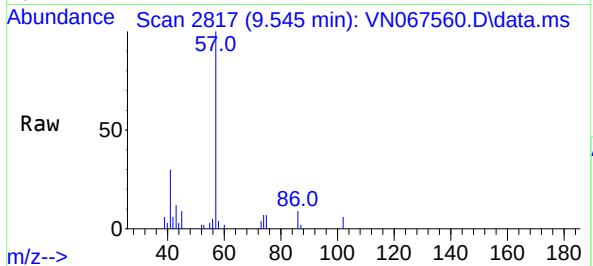




#48
Methyl methacrylate
Concen: 2.745 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.018 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

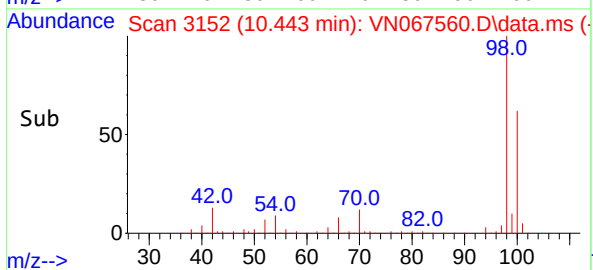
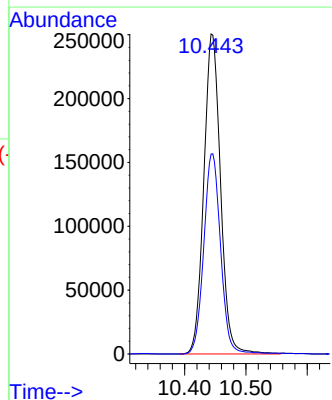
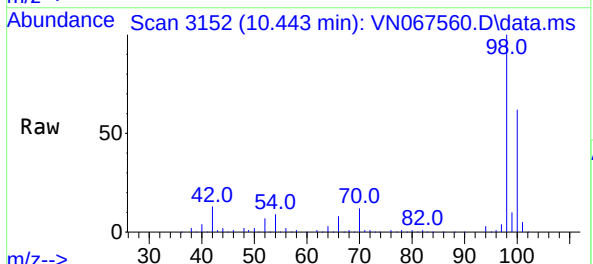
Instrument :
MSVOA_N
ClientSampled :

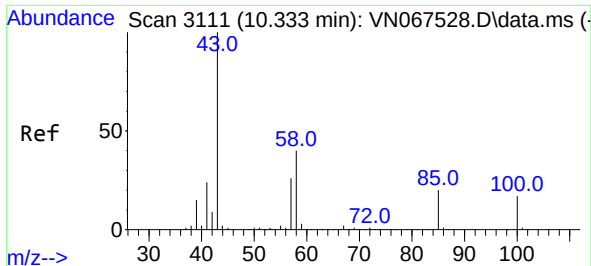
Tgt Ion: 41 Resp: 5611
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#50
Toluene-d8
Concen: 57.280 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

Tgt Ion: 98 Resp: 475543
Ion Ratio Lower Upper
98 100
100 62.7 51.7 77.5

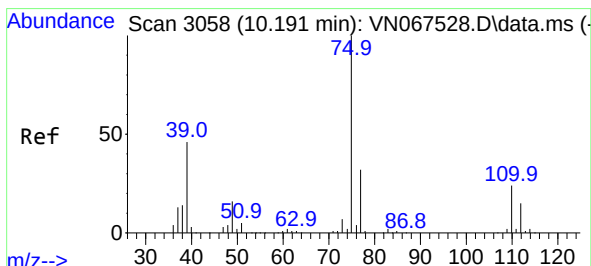
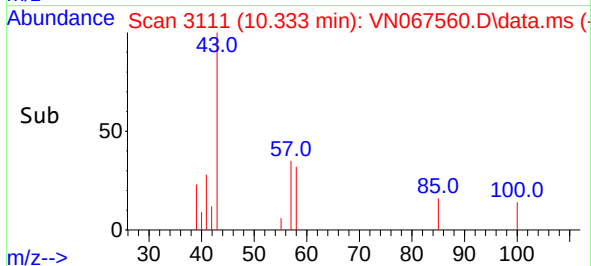
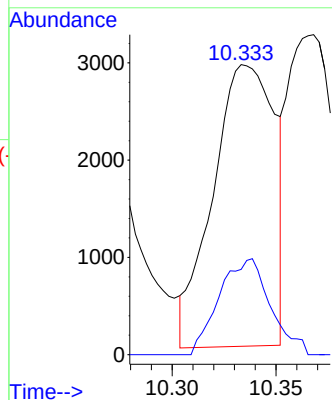
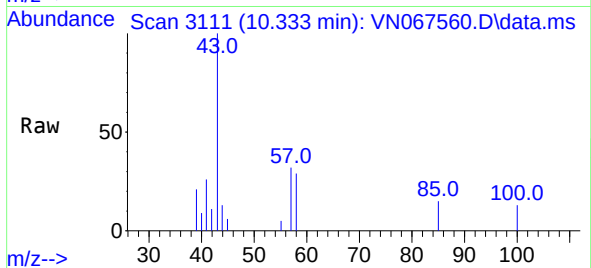




#51
4-Methyl-2-Pentanone
Concen: 2.124 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

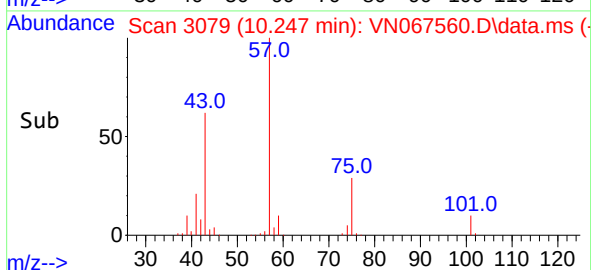
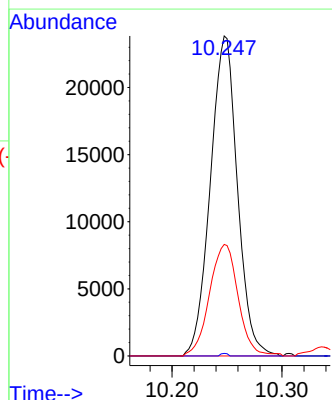
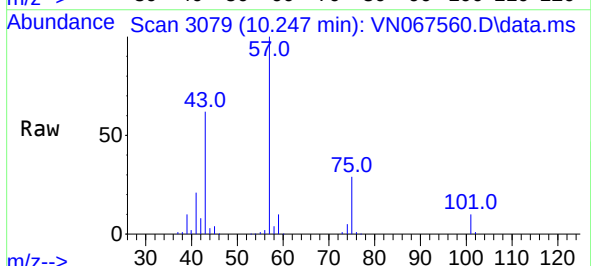
Instrument :
MSVOA_N
ClientSampled :

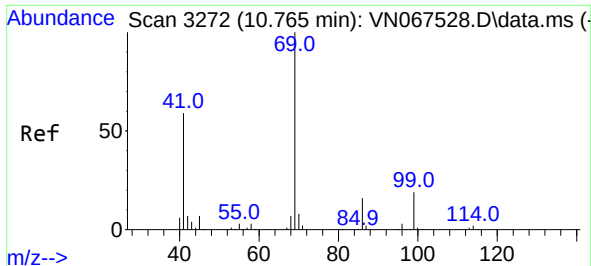
Tgt Ion: 43 Resp: 5982
Ion Ratio Lower Upper
43 100
58 28.3 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 11.312 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

Tgt Ion: 75 Resp: 40748
Ion Ratio Lower Upper
75 100
77 0.8 24.6 37.0#
39 34.8 50.7 76.1#

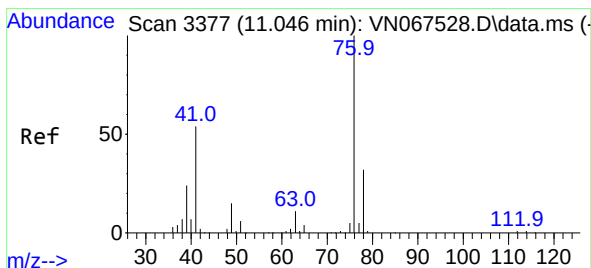
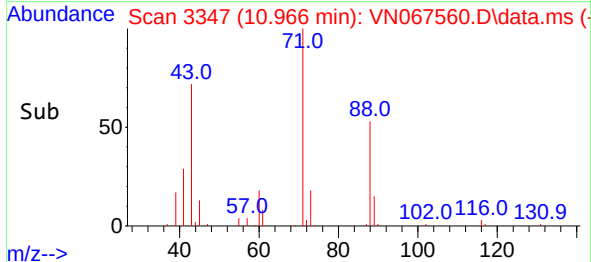
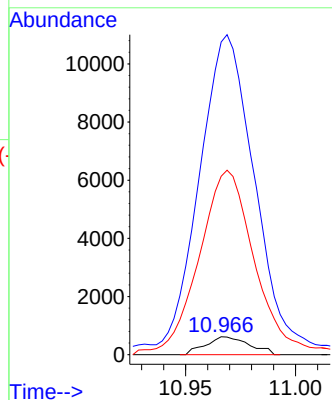
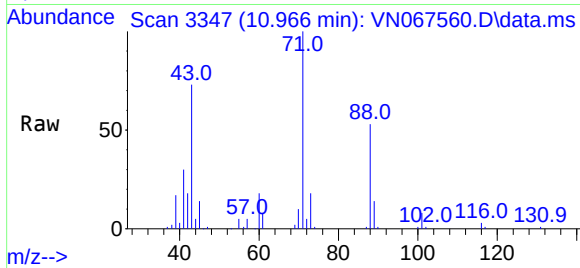




#56
Ethyl methacrylate
Concen: 0.244 ug/l
RT: 10.966 min Scan# 3347
Delta R.T. 0.201 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

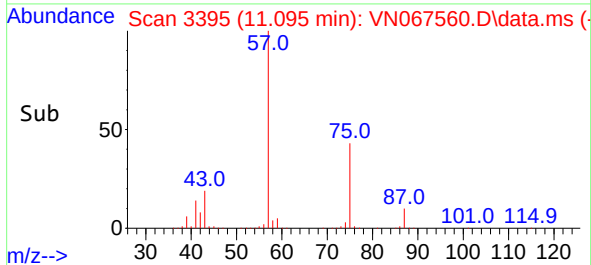
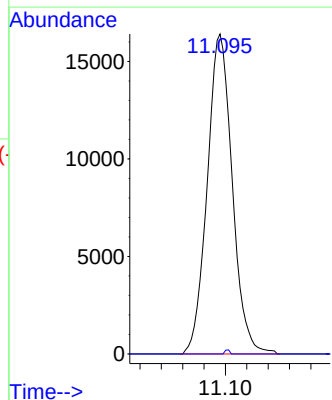
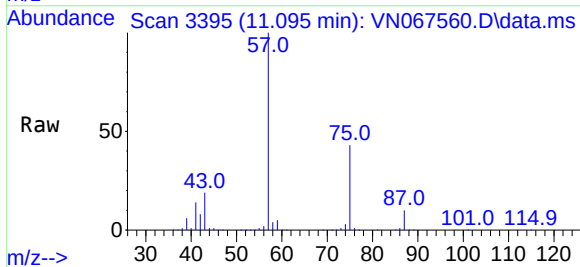
Instrument :
MSVOA_N
ClientSampleId :

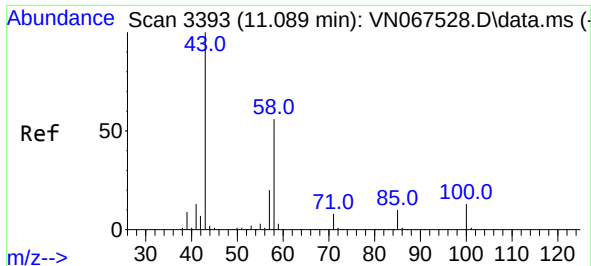
Tgt Ion: 69 Resp: 849
Ion Ratio Lower Upper
69 100
41 2232.2 58.6 88.0#
39 1323.3 38.3 57.5#



#57
1,3-Dichloropropane
Concen: 7.183 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.049 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

Tgt Ion: 76 Resp: 26708
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

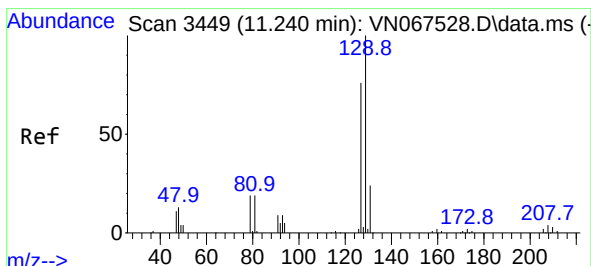
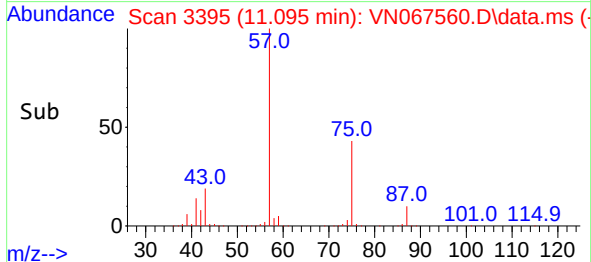
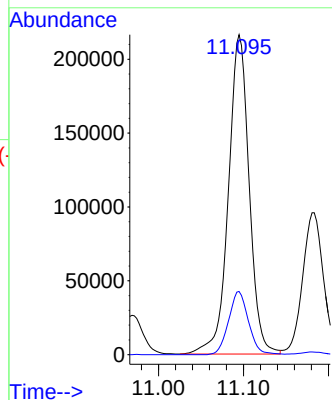
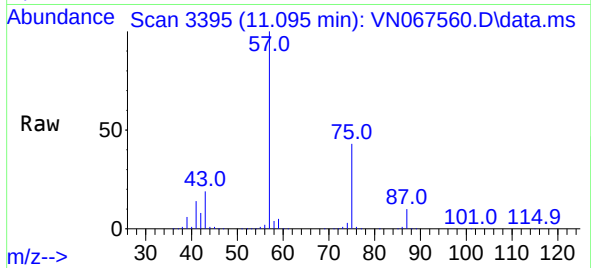




#59
2-Hexanone
Concen: 184.750 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

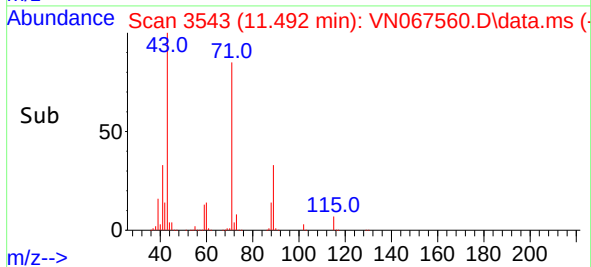
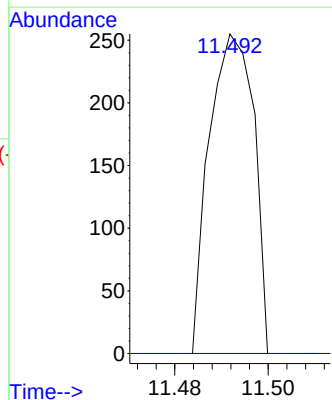
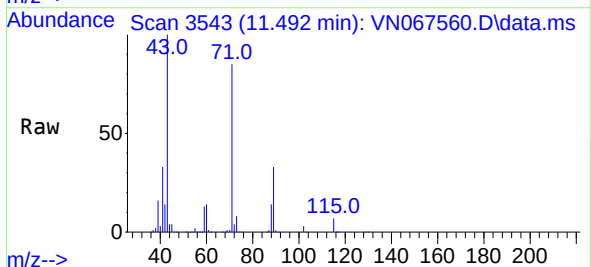
Instrument :
MSVOA_N
ClientSampled :

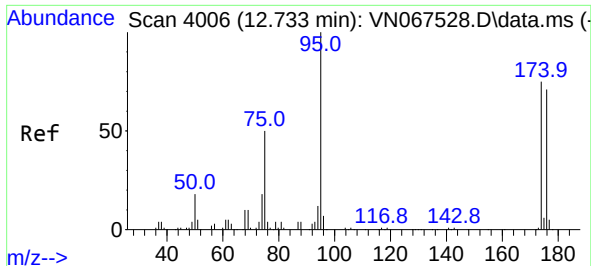
Tgt Ion: 43 Resp: 367336
Ion Ratio Lower Upper
43 100
58 19.0 24.7 74.1#



#60
Dibromochloromethane
Concen: 2.470 ug/l
RT: 11.492 min Scan# 3543
Delta R.T. 0.252 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

Tgt Ion:129 Resp: 169
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

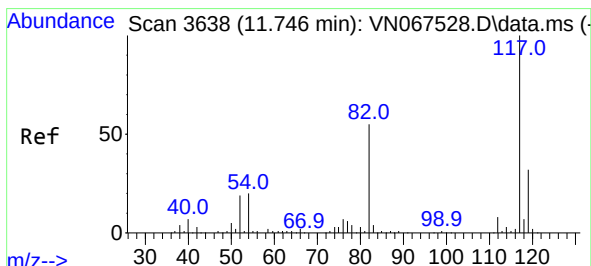
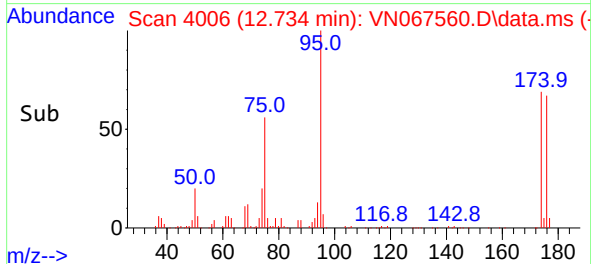
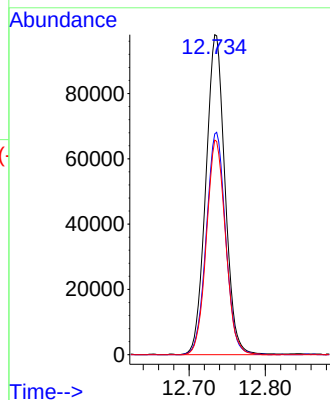
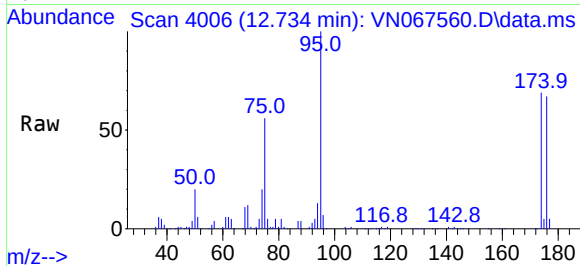




#62
4-Bromofluorobenzene
Concen: 58.911 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

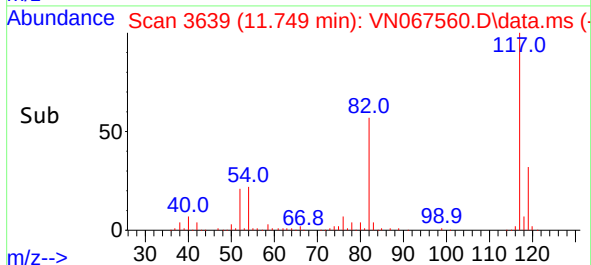
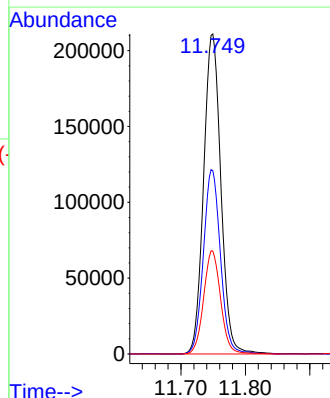
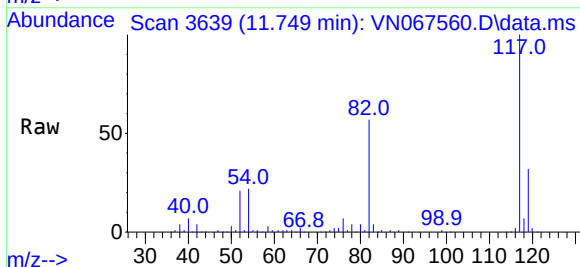
Instrument :
MSVOA_N
ClientSampleId :

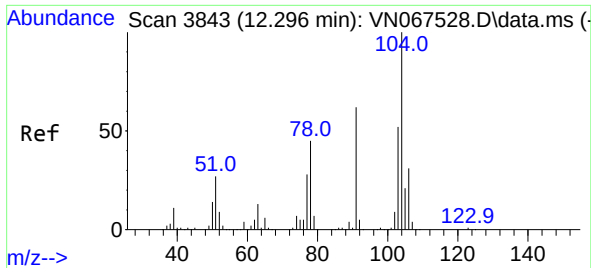
Tgt Ion: 95 Resp: 170837
Ion Ratio Lower Upper
95 100
174 70.0 0.0 122.0
176 66.9 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

Tgt Ion: 117 Resp: 392592
Ion Ratio Lower Upper
117 100
82 57.2 53.1 79.7
119 32.1 25.5 38.3

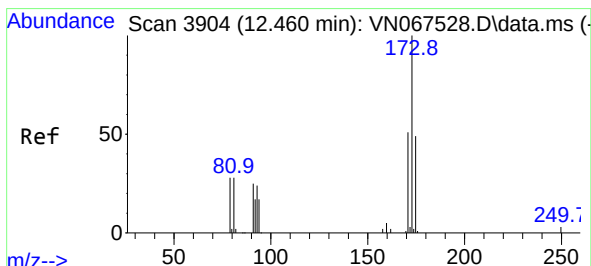
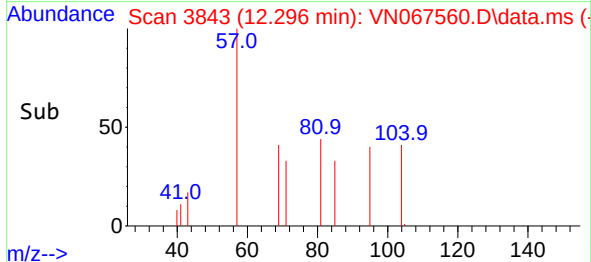
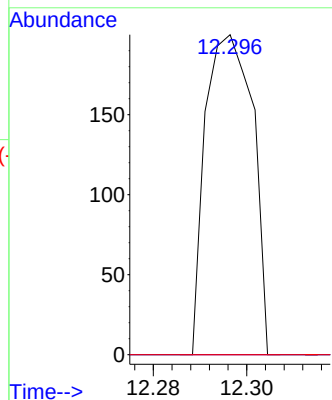
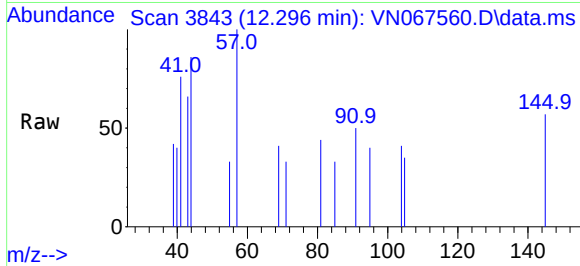




#70
Styrene
Concen: 1.896 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

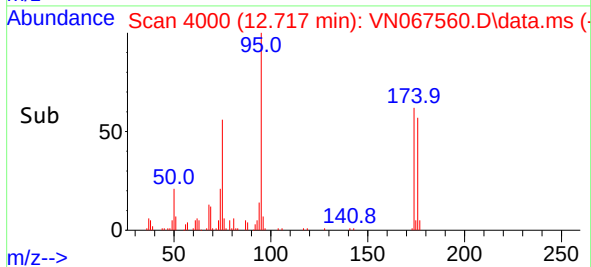
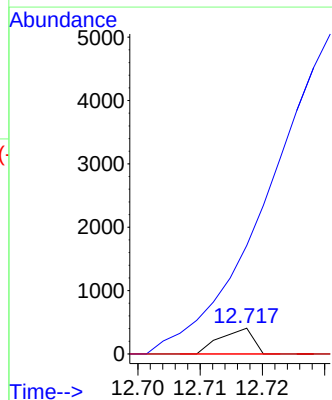
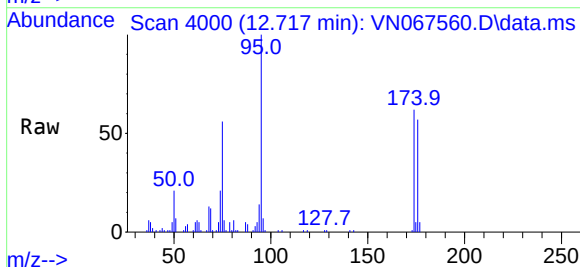
Instrument :
MSVOA_N
ClientSampled :

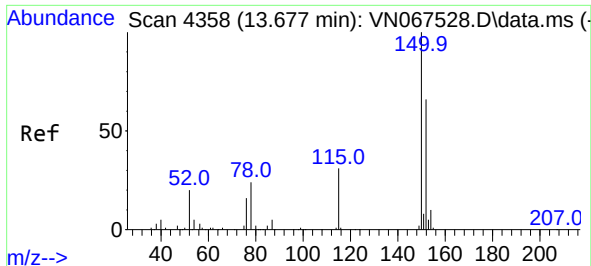
Tgt Ion:	104	Resp:	141
Ion	Ratio	Lower	Upper
104	100		
78	0.0	48.2	72.2#
103	0.0	44.5	66.7#



#71
Bromoform
Concen: 3.516 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

Tgt Ion:	173	Resp:	150
Ion	Ratio	Lower	Upper
173	100		
175	0.0	23.9	71.8#
254	0.0	0.0	0.0



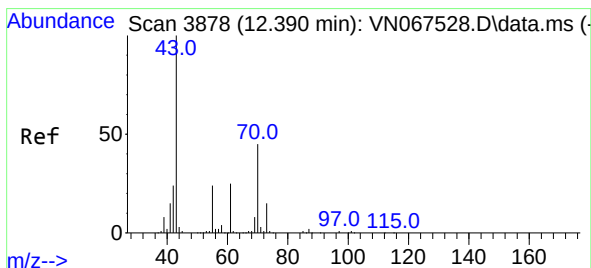
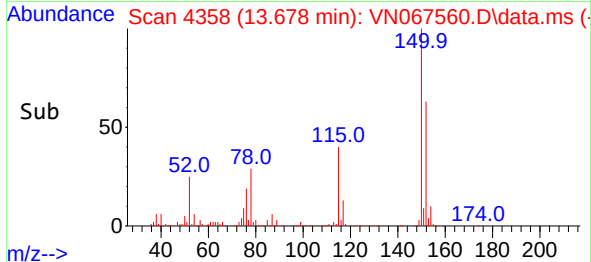
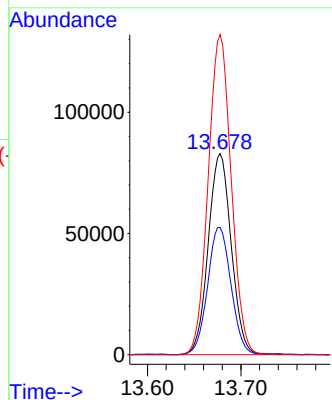
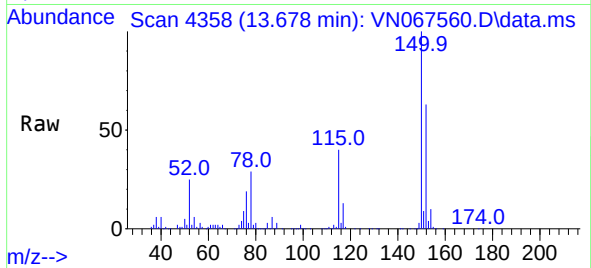


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.001 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:152 Resp: 142194

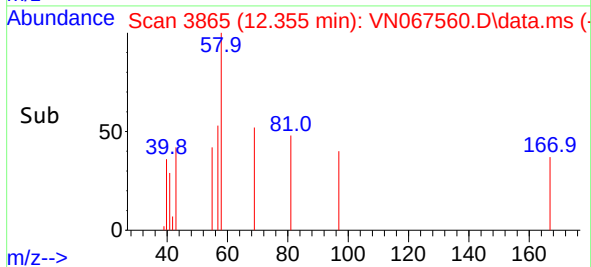
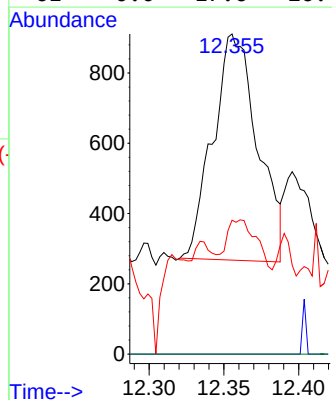
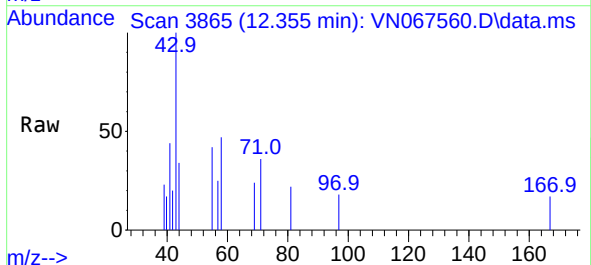
Ion	Ratio	Lower	Upper
152	100		
115	64.5	36.1	108.5
150	159.2	0.0	351.8

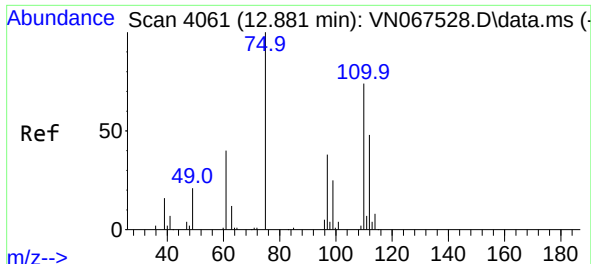


#74
N-ethyl acetate
Concen: 0.343 ug/l
RT: 12.355 min Scan# 3865
Delta R.T. -0.035 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

Tgt Ion: 43 Resp: 1343

Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.4	44.2#
55	13.9	17.0	25.4#
61	0.0	17.6	26.4#

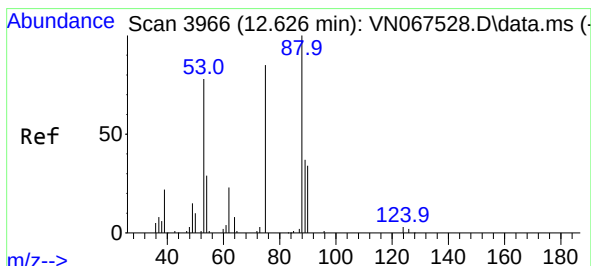
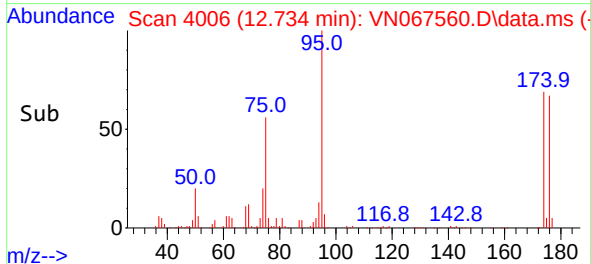
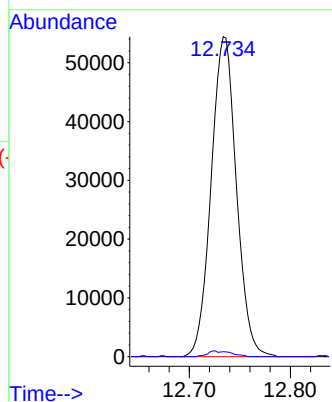
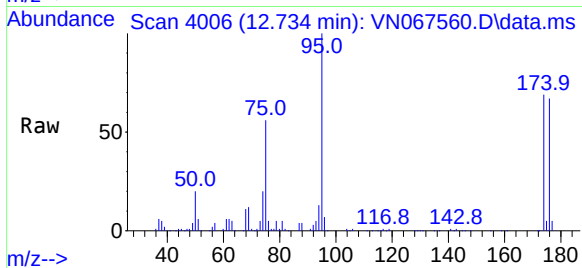




#76
1,2,3-Trichloropropane
Concen: 33.133 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

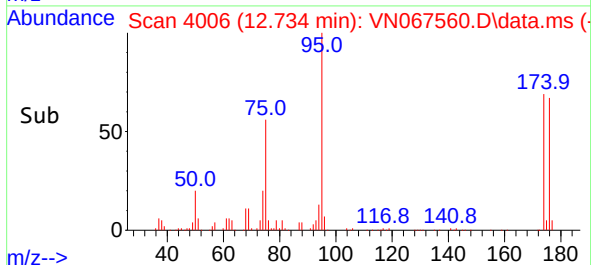
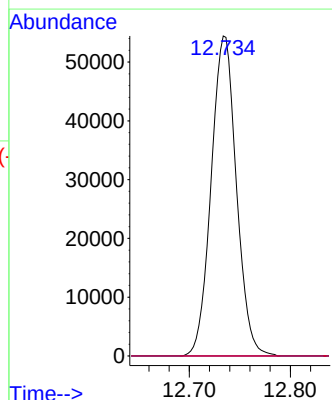
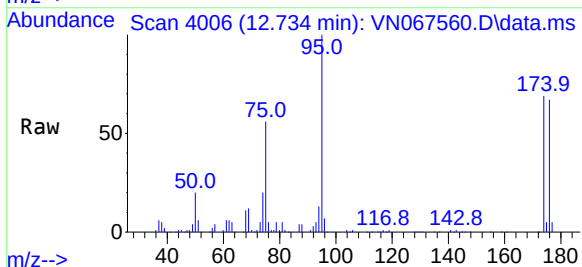
Instrument :
MSVOA_N
ClientSampleId :

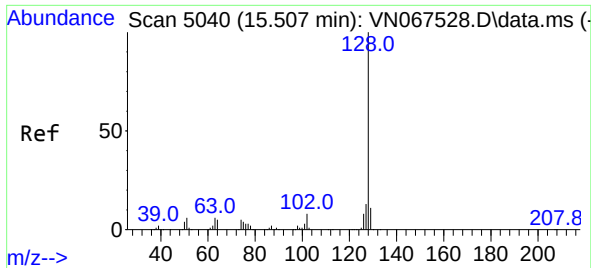
Tgt Ion: 75 Resp: 94433
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.258 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

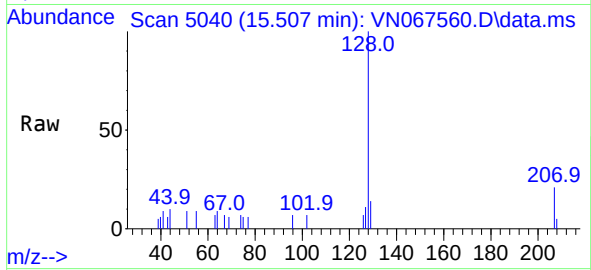
Tgt Ion: 75 Resp: 94433
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.963 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN067560.D
Acq: 29 Jun 2021 18:05

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 5839

Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.6	15.8
129	11.6	8.6	12.8

