

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081121\
 Data File : VN068069.D
 Acq On : 11 Aug 2021 13:41
 Operator : JC/MD
 Sample : M3343-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :

Quant Time: Aug 12 07:11:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

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

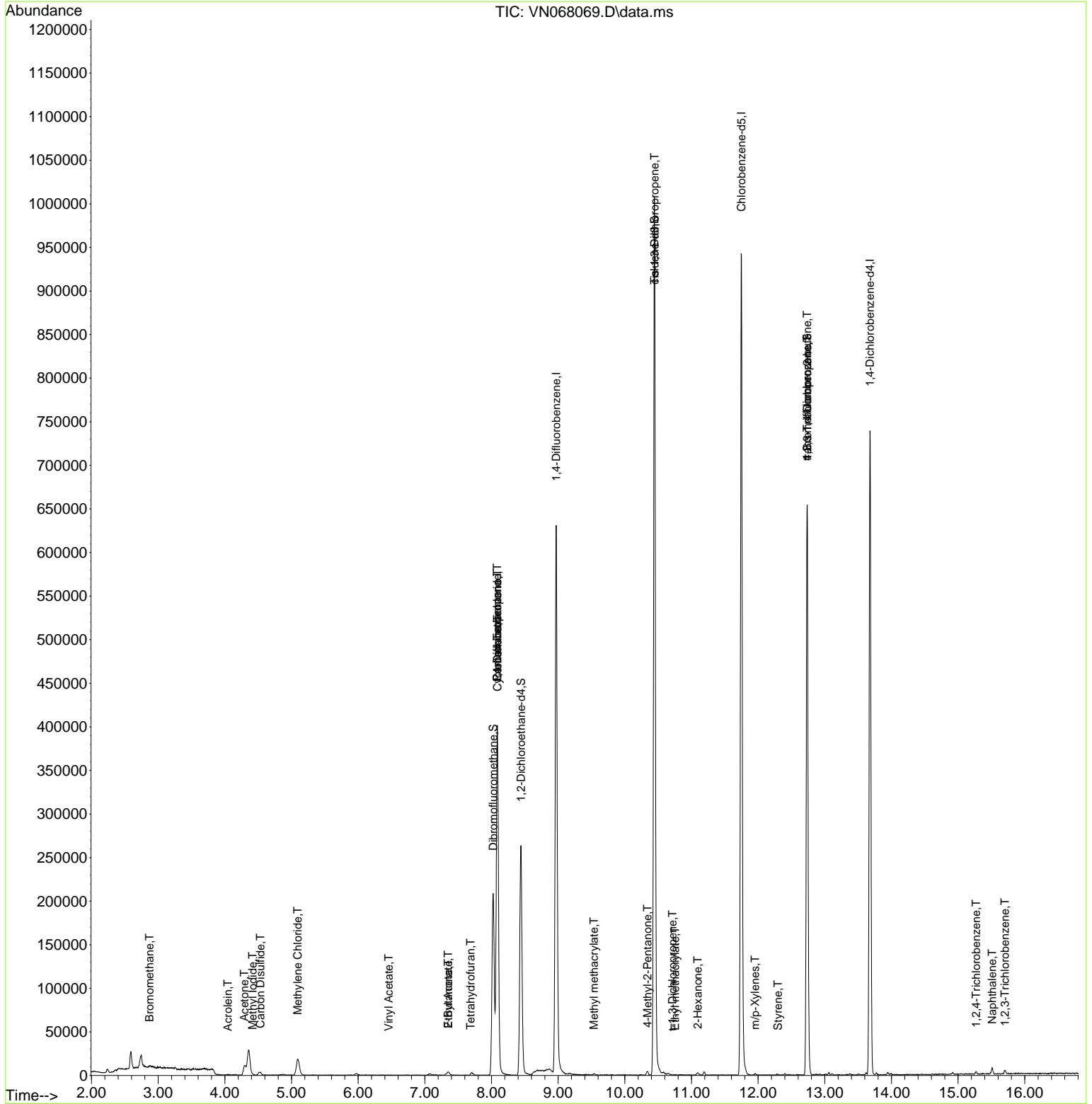
Internal Standards						
1) Pentafluorobenzene	8.088	168	290261	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	551461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	558275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	195771	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	228085	55.51	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	111.02%	
35) Dibromofluoromethane	8.027	113	157511	49.01	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	98.02%	
50) Toluene-d8	10.446	98	712965	48.22	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.736	95	232249	43.50	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	87.00%	
Target Compounds						
						Qvalue
5) Bromomethane	2.872	94	1353	0.26	ug/l	91
10) Methyl Iodide	4.417	142	234	3.18	ug/l #	33
13) Acrolein	4.044	56	302	0.81	ug/l #	24
16) Acetone	4.293	43	20775	13.86	ug/l	95
17) Carbon Disulfide	4.535	76	7853	0.98	ug/l #	92
18) Methyl Acetate	4.849	43	310	Below Cal	#	54
20) Methylene Chloride	5.093	84	15204	4.13	ug/l	87
23) Vinyl Acetate	6.458	43	24	8.80	ug/l #	75
25) 2-Butanone	7.351	43	5486	2.52	ug/l #	89
29) Tetrahydrofuran	7.686	42	429	0.31	ug/l #	35
31) Cyclohexane	8.091	56	8121	1.34	ug/l #	5
36) 1,1-Dichloropropene	8.086	75	24690	4.84	ug/l #	53
37) Ethyl Acetate	7.351	43	5486	1.14	ug/l #	69
38) Carbon Tetrachloride	8.088	117	31731	6.33	ug/l #	16
48) Methyl methacrylate	9.539	41	293	2.37	ug/l #	49
51) 4-Methyl-2-Pentanone	10.341	43	3470	13.13	ug/l	88
53) t-1,3-Dichloropropene	10.714	75	64	2.84	ug/l #	43
54) cis-1,3-Dichloropropene	10.446	75	130	2.37	ug/l #	11
56) Ethyl methacrylate	10.754	69	57	3.11	ug/l #	1
59) 2-Hexanone	11.095	43	2501	13.86	ug/l #	63
68) m/p-Xylenes	11.956	106	328	4.10	ug/l #	1
70) Styrene	12.299	104	343	2.65	ug/l #	71
76) 1,2,3-Trichloropropane	12.736	75	131788	33.52	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	131788	89.90	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.271	180	1156	2.85	ug/l	90
95) Naphthalene	15.512	128	6097	3.82	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.702	180	1007	2.72	ug/l	68

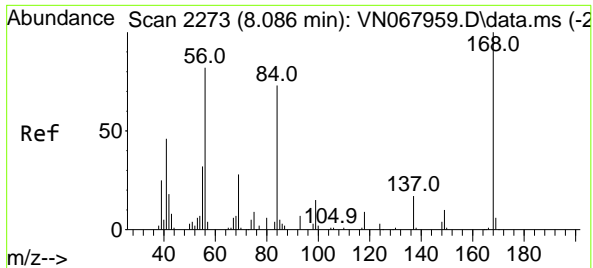
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Response via : Initial Calibration

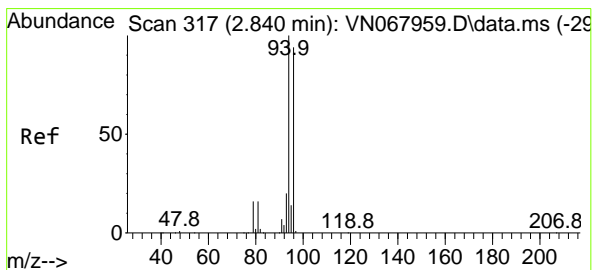
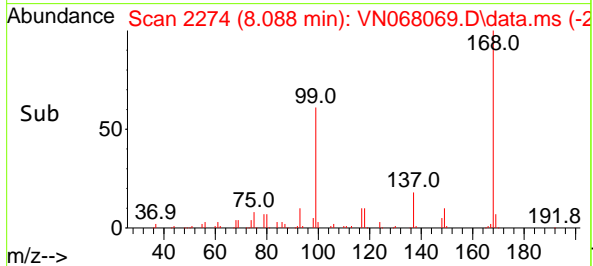
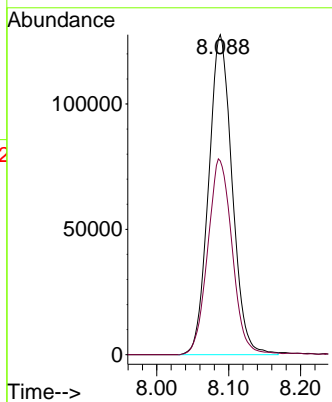
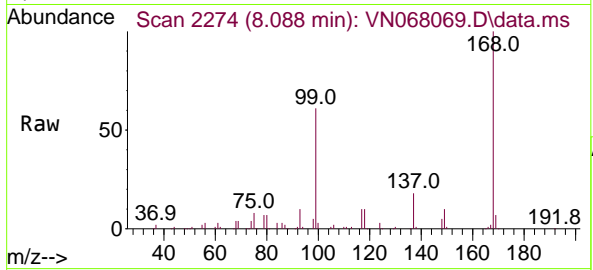




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. 0.002 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

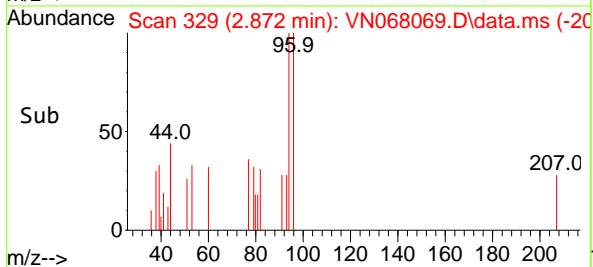
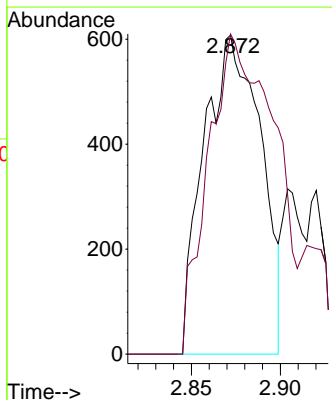
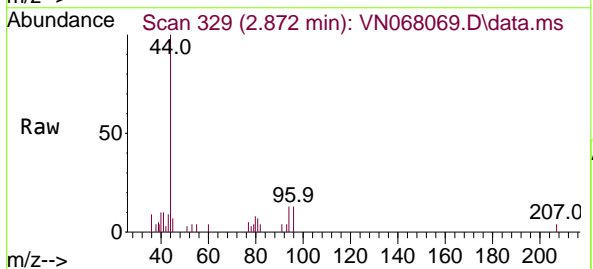
Instrument :
 MSVOA_N
 ClientSampled :

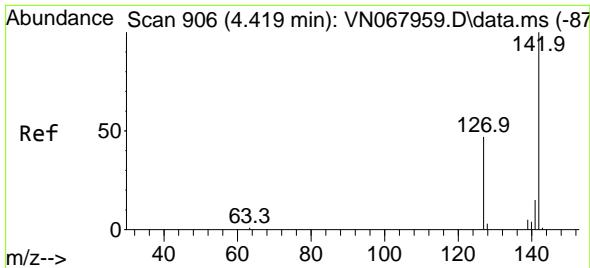
Tgt Ion:168 Resp: 290261
 Ion Ratio Lower Upper
 168 100
 99 60.6 62.9 94.3#



#5
 Bromomethane
 Concen: 0.26 ug/l
 RT: 2.872 min Scan# 329
 Delta R.T. 0.032 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

Tgt Ion: 94 Resp: 1353
 Ion Ratio Lower Upper
 94 100
 96 100.3 73.7 110.5



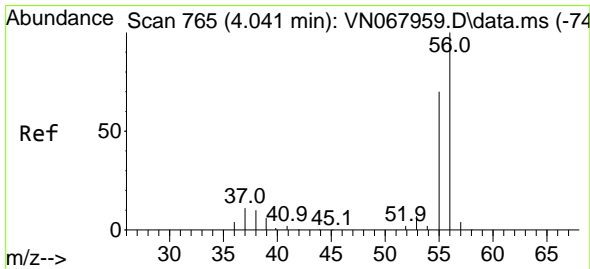
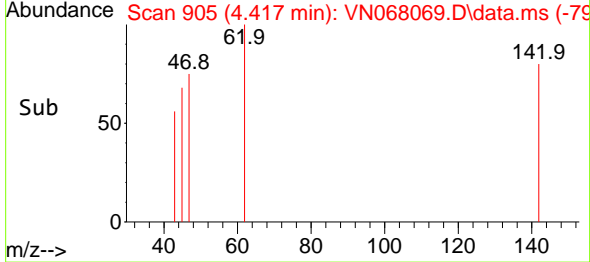
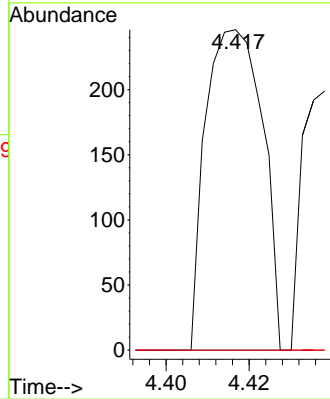
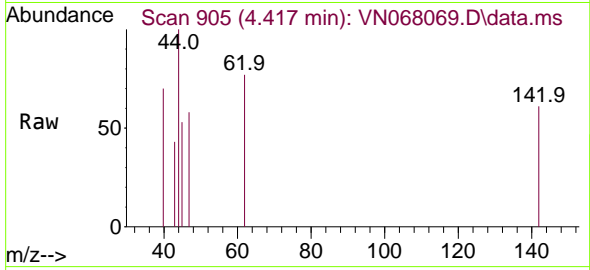


#10
 Methyl Iodide
 Concen: 3.18 ug/l
 RT: 4.417 min Scan# 905
 Delta R.T. -0.002 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

Instrument :
 MSVOA_N
 ClientSampled :

Tgt Ion:142 Resp: 234

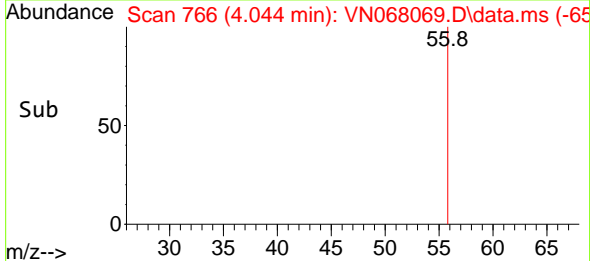
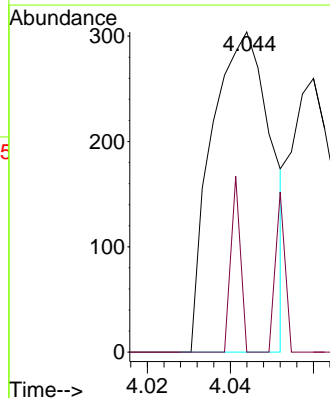
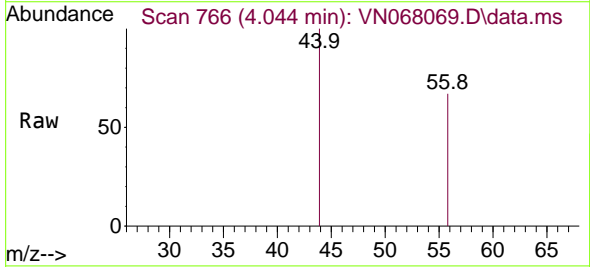
Ion	Ratio	Lower	Upper
142	100		
127	0.0	43.1	64.7#
141	0.0	11.4	17.0#

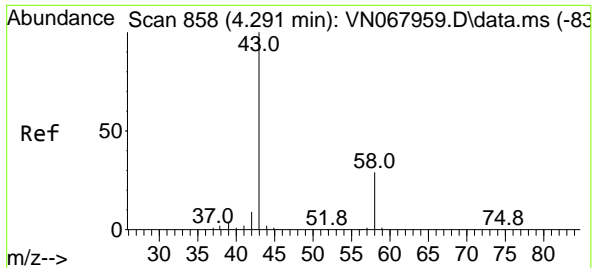


#13
 Acrolein
 Concen: 0.81 ug/l
 RT: 4.044 min Scan# 766
 Delta R.T. 0.003 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

Tgt Ion: 56 Resp: 302

Ion	Ratio	Lower	Upper
56	100		
55	8.9	57.4	86.0#

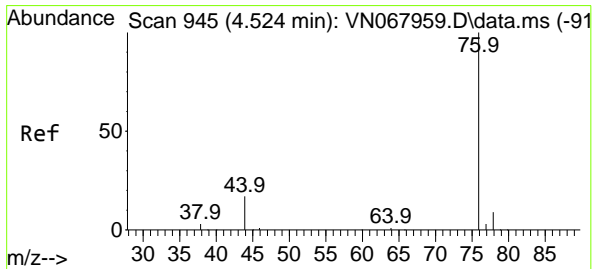
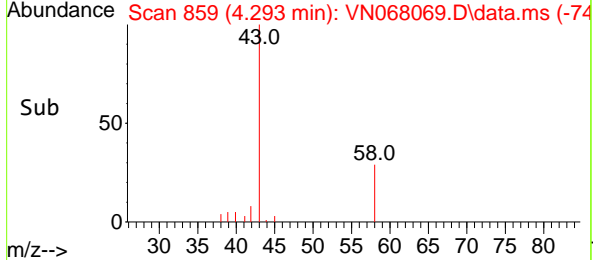
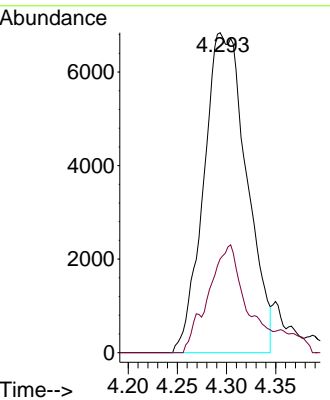
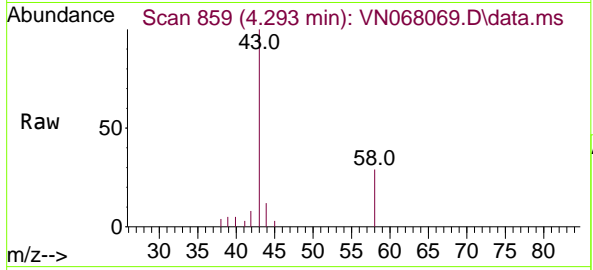




#16
 Acetone
 Concen: 13.86 ug/l
 RT: 4.293 min Scan# 859
 Delta R.T. 0.002 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

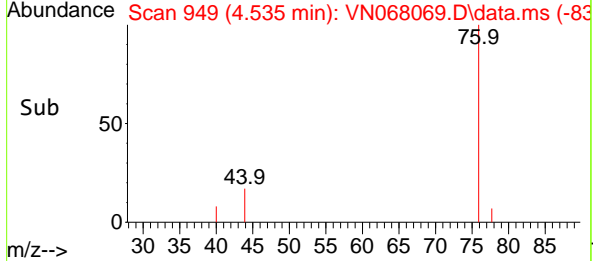
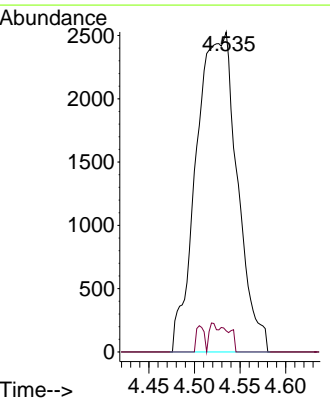
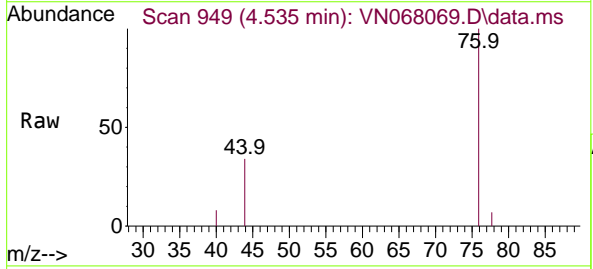
Instrument :
 MSVOA_N
 ClientSampled :

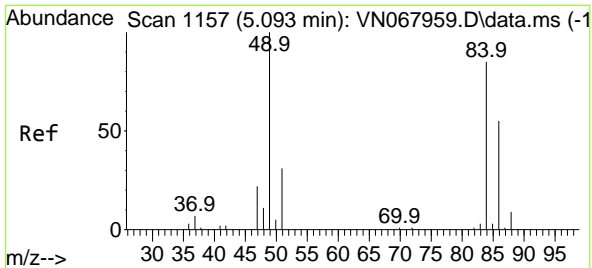
Tgt Ion: 43 Resp: 20775
 Ion Ratio Lower Upper
 43 100
 58 29.3 21.2 31.8



#17
 Carbon Disulfide
 Concen: 0.98 ug/l
 RT: 4.535 min Scan# 949
 Delta R.T. 0.011 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

Tgt Ion: 76 Resp: 7853
 Ion Ratio Lower Upper
 76 100
 78 6.6 7.7 11.5#

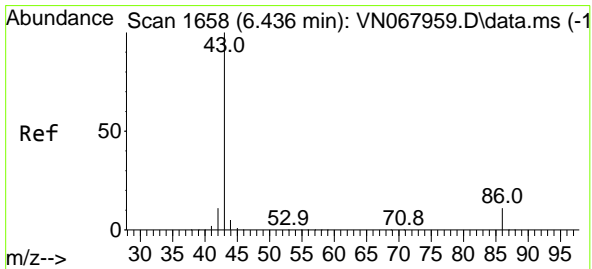
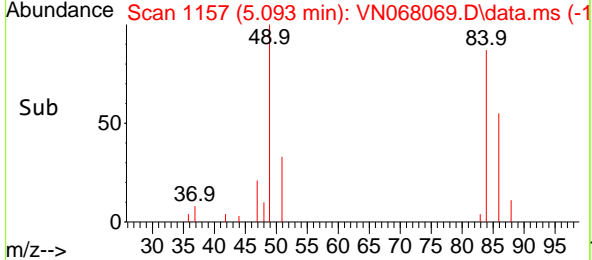
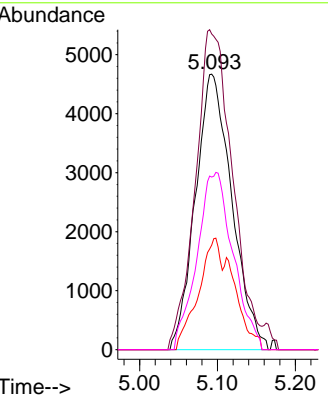
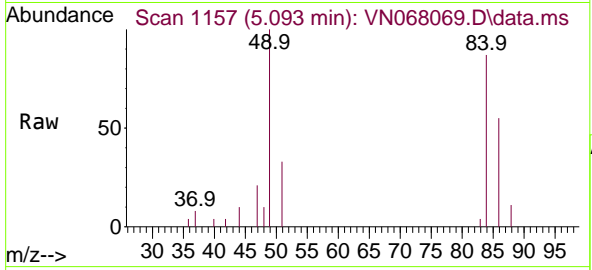




#20
 Methylene Chloride
 Concen: 4.13 ug/l
 RT: 5.093 min Scan# 1157
 Delta R.T. -0.000 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

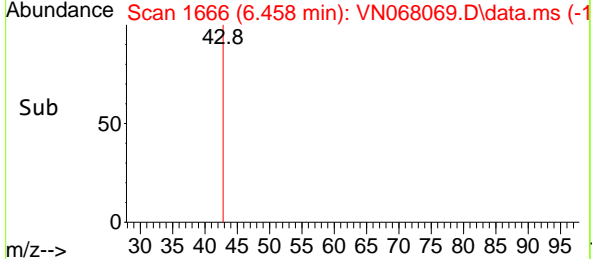
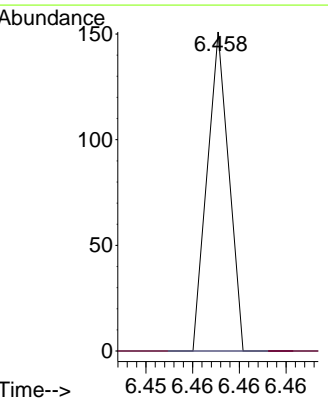
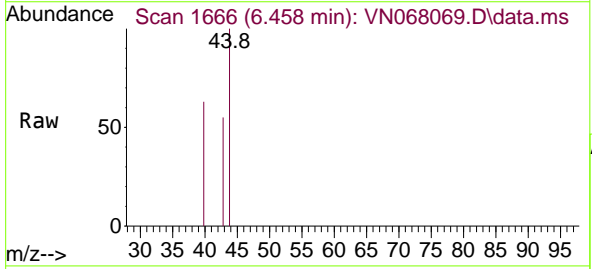
Instrument :
 MSVOA_N
 ClientSampled :

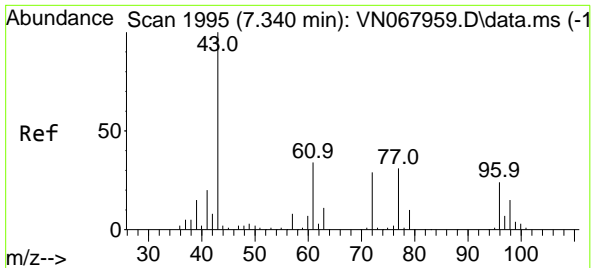
Tgt Ion	Resp	Lower	Upper
84	15204		
84	100		
49	114.6	110.9	166.3
51	38.0	32.6	49.0
86	62.6	51.6	77.4



#23
 Vinyl Acetate
 Concen: 8.80 ug/l
 RT: 6.458 min Scan# 1666
 Delta R.T. 0.022 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

Tgt Ion	Resp	Lower	Upper
43	24		
43	100		
86	0.0	7.3	10.9#

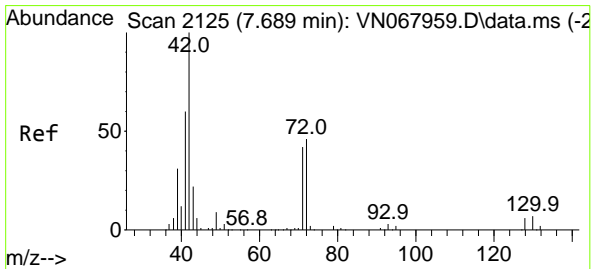
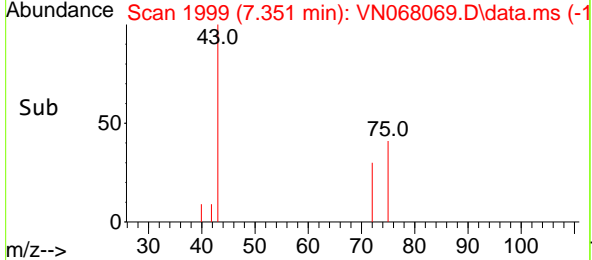
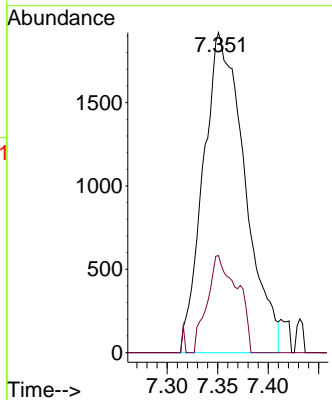
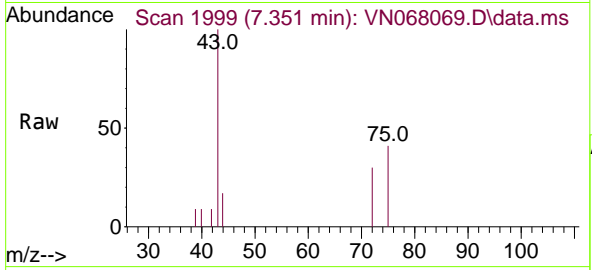




#25
 2-Butanone
 Concen: 2.52 ug/l
 RT: 7.351 min Scan# 1999
 Delta R.T. 0.011 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

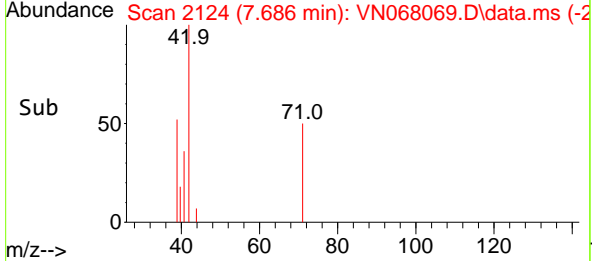
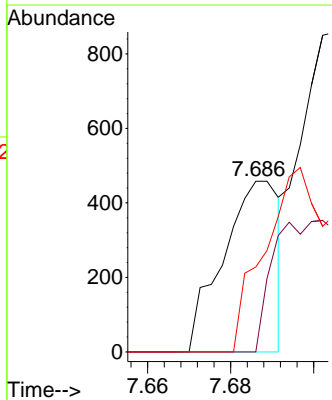
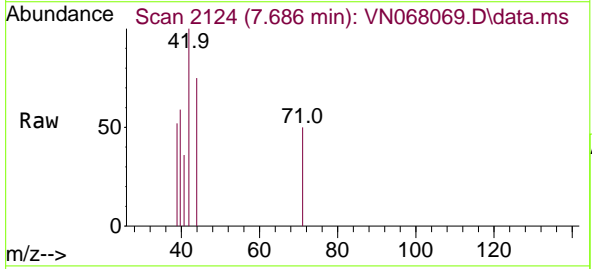
Instrument :
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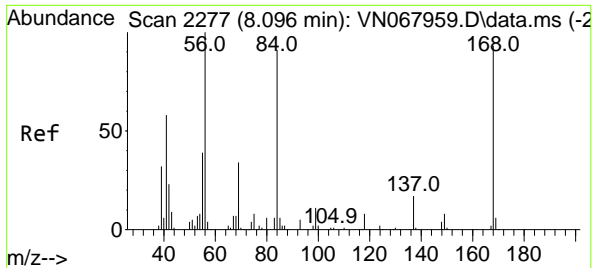
Tgt Ion: 43 Resp: 5486
 Ion Ratio Lower Upper
 43 100
 72 30.3 19.7 29.5#



#29
 Tetrahydrofuran
 Concen: 0.31 ug/l
 RT: 7.686 min Scan# 2124
 Delta R.T. -0.003 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

Tgt Ion: 42 Resp: 429
 Ion Ratio Lower Upper
 42 100
 72 0.0 32.8 49.2#
 71 0.0 31.2 46.8#

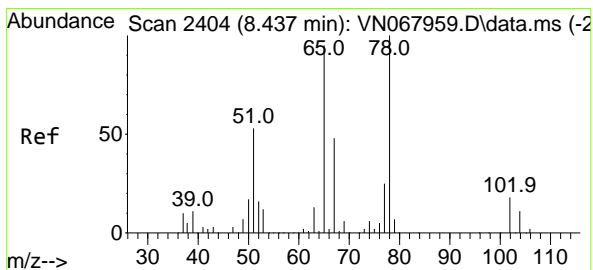
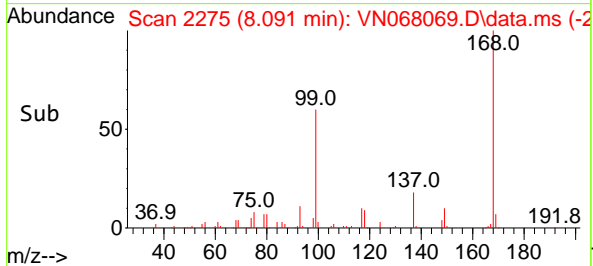
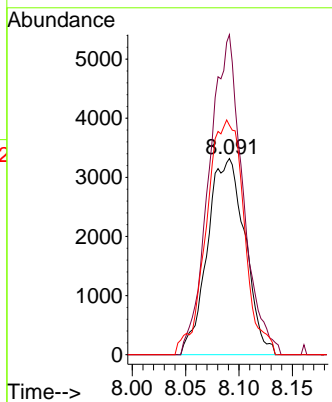
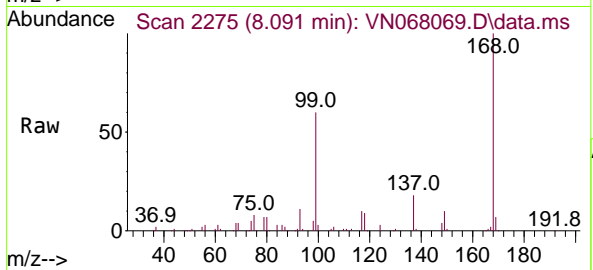




#31
 Cyclohexane
 Concen: 1.34 ug/l
 RT: 8.091 min Scan# 2275
 Delta R.T. -0.005 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

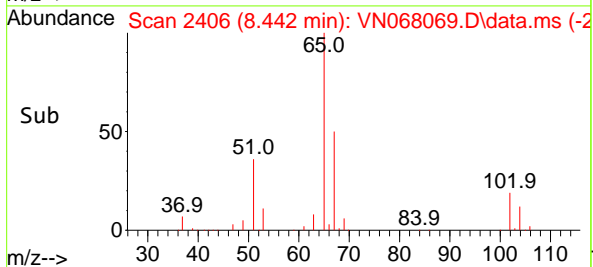
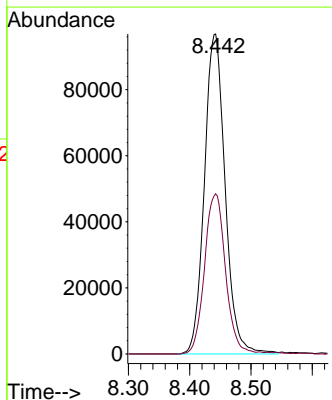
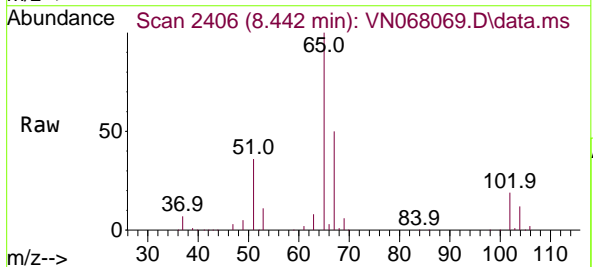
Instrument :
 MSVOA_N
 ClientSampled :

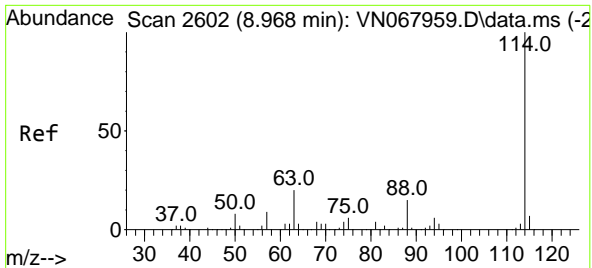
Tgt Ion	Resp	Lower	Upper
56	100		
69	163.2	27.3	40.9#
84	117.0	64.9	97.3#



#33
 1,2-Dichloroethane-d4
 Concen: 55.51 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. 0.005 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

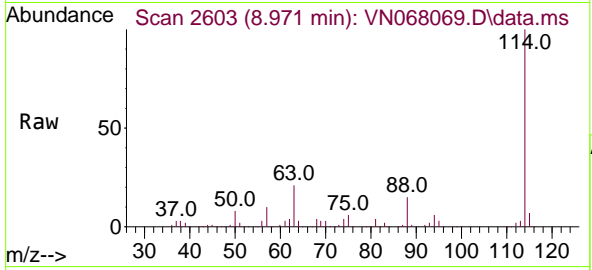
Tgt Ion	Resp	Lower	Upper
65	100		
67	50.5	0.0	98.6





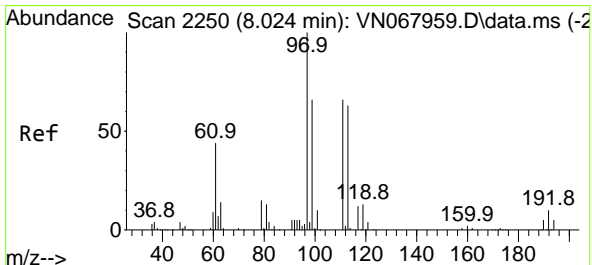
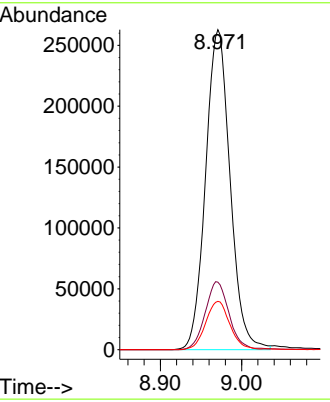
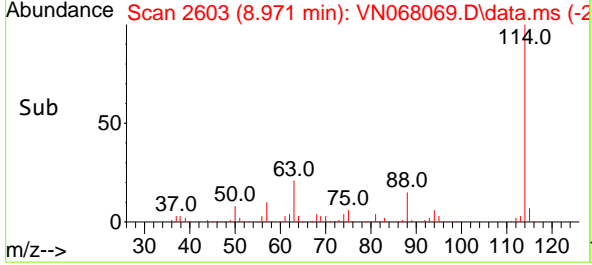
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

Instrument :
 MSVOA_N
 ClientSampled :

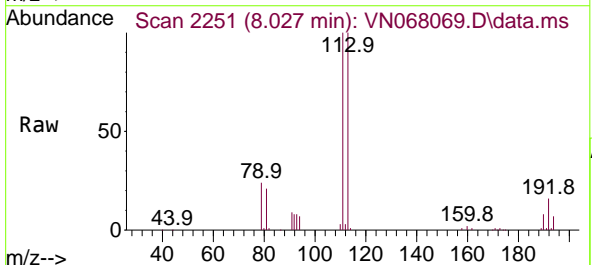


Tgt Ion:114 Resp: 551461

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	49.0
88	15.1	0.0	36.6

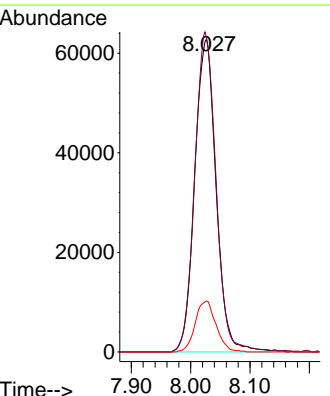
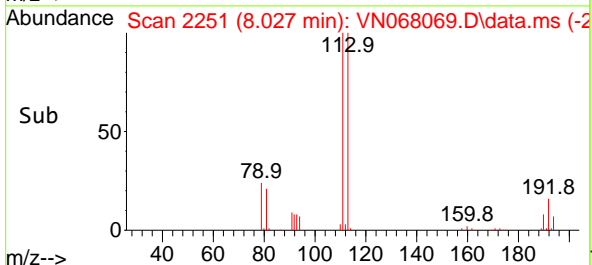


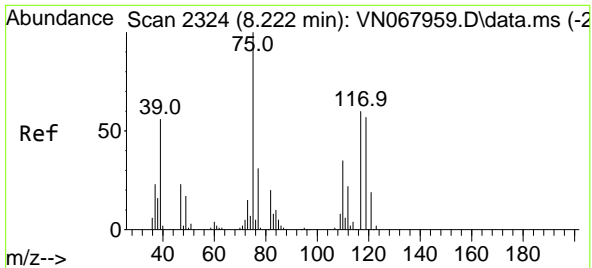
#35
 Dibromofluoromethane
 Concen: 49.01 ug/l
 RT: 8.027 min Scan# 2251
 Delta R.T. 0.003 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41



Tgt Ion:113 Resp: 157511

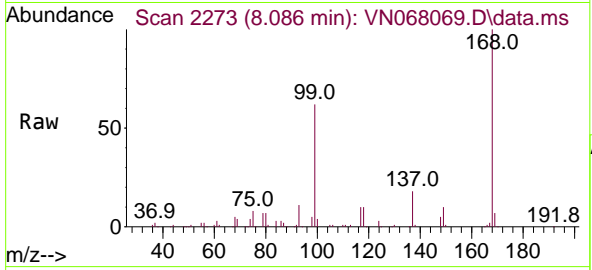
Ion	Ratio	Lower	Upper
113	100		
111	101.1	83.8	125.8
192	15.9	13.4	20.0



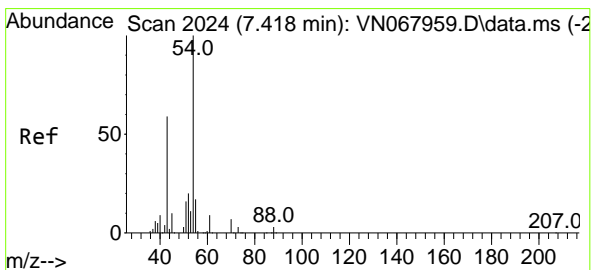
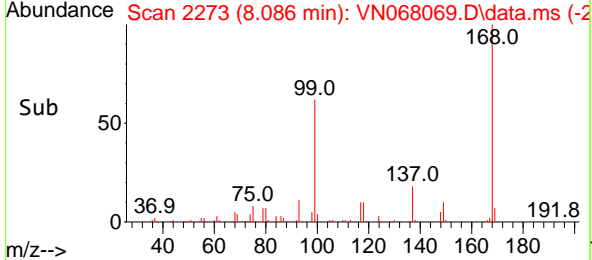
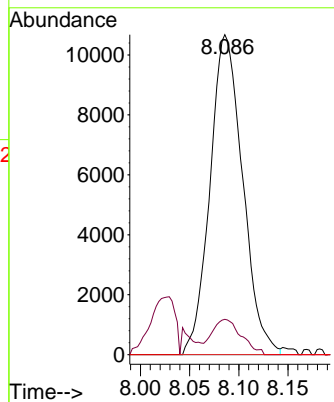


#36
 1,1-Dichloropropene
 Concen: 4.84 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.136 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

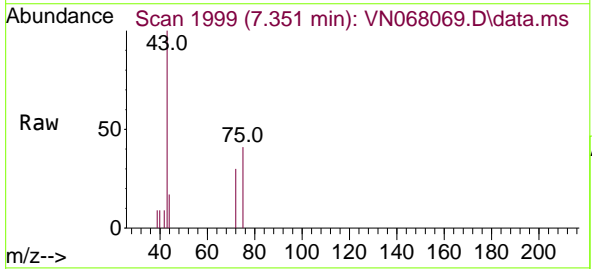
Instrument :
 MSVOA_N
 ClientSampled :



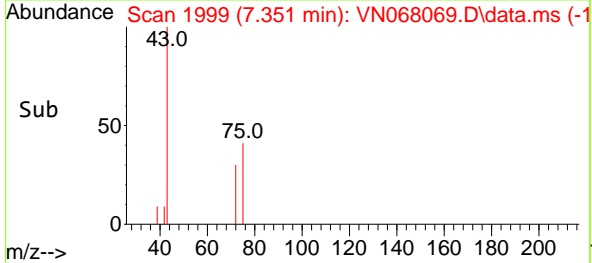
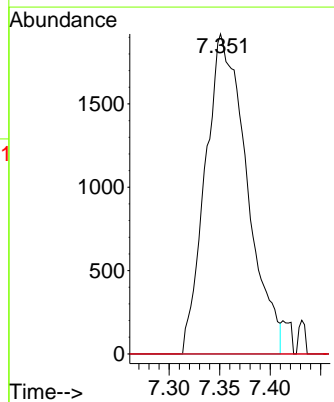
Tgt Ion	Resp	Lower	Upper
75	24690		
75	100		
110	9.9	15.7	47.0#
77	0.0	24.6	37.0#

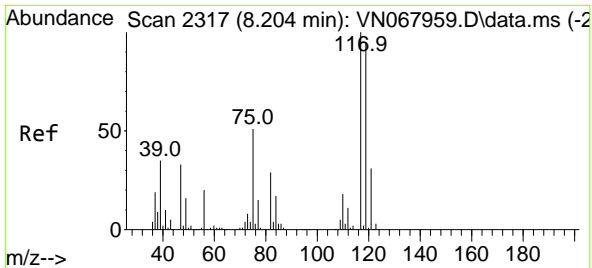


#37
 Ethyl Acetate
 Concen: 1.14 ug/l
 RT: 7.351 min Scan# 1999
 Delta R.T. -0.067 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41



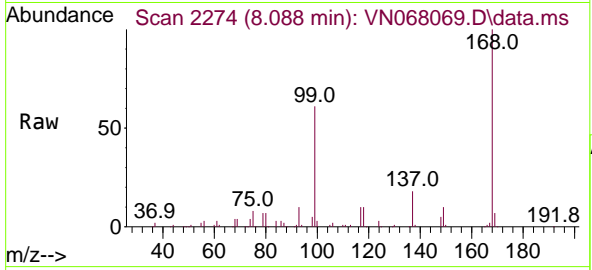
Tgt Ion	Resp	Lower	Upper
43	5486		
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#





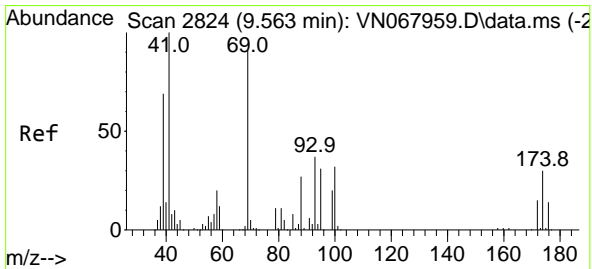
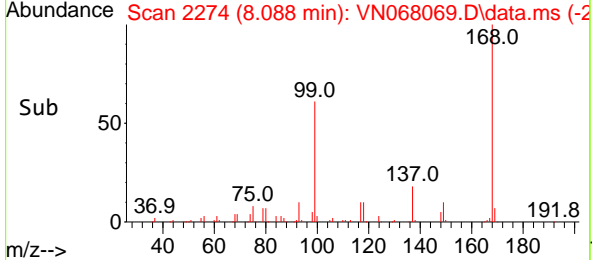
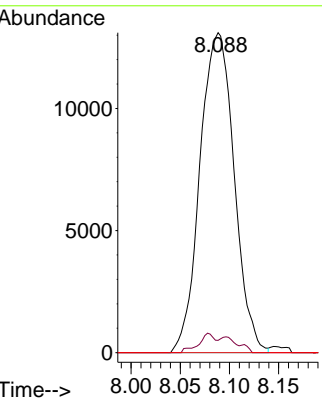
#38
 Carbon Tetrachloride
 Concen: 6.33 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.116 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

Instrument :
 MSVOA_N
 ClientSampled :

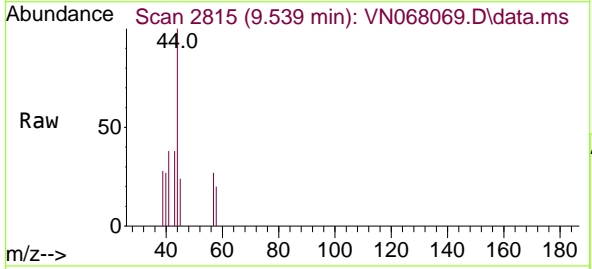


Tgt Ion: 117 Resp: 31731

Ion	Ratio	Lower	Upper
117	100		
119	3.8	75.4	113.2#
121	0.0	23.5	35.3#

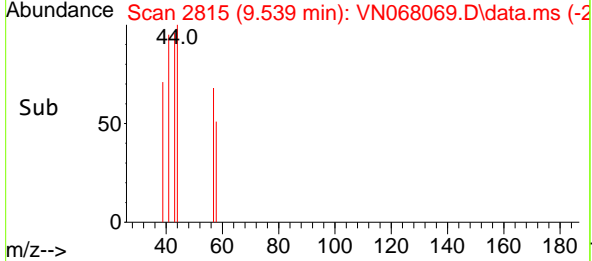
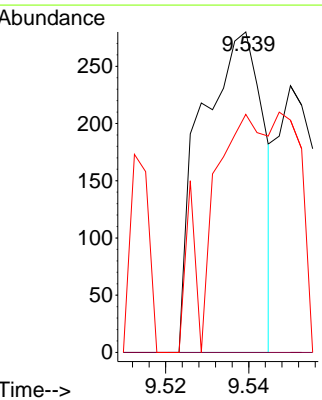


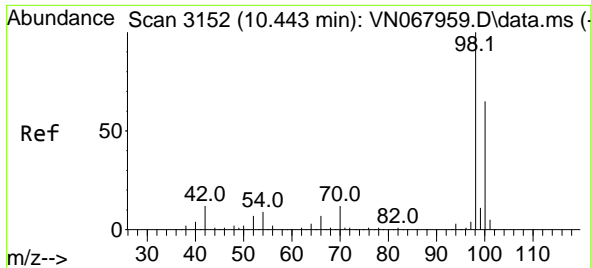
#48
 Methyl methacrylate
 Concen: 2.37 ug/l
 RT: 9.539 min Scan# 2815
 Delta R.T. -0.024 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41



Tgt Ion: 41 Resp: 293

Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.6	96.8#
39	68.9	53.3	79.9

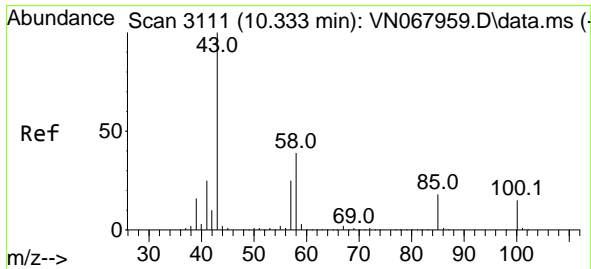
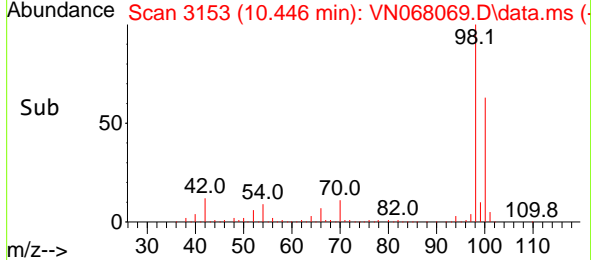
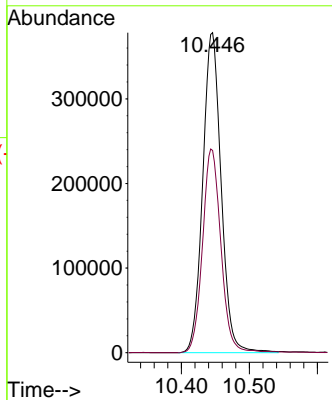
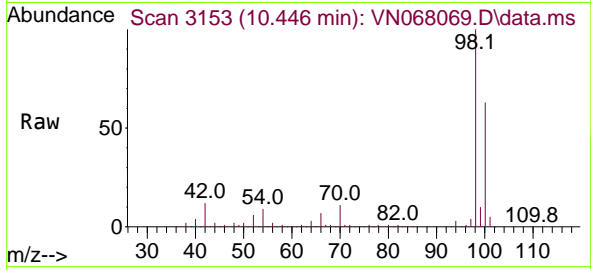




#50
 Toluene-d8
 Concen: 48.22 ug/l
 RT: 10.446 min Scan# 3153
 Delta R.T. 0.003 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

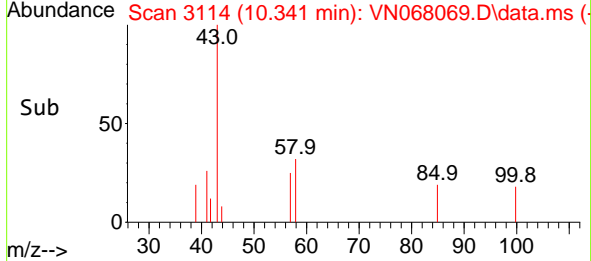
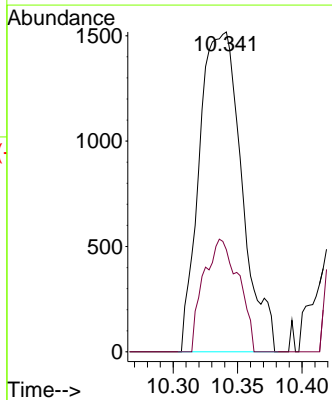
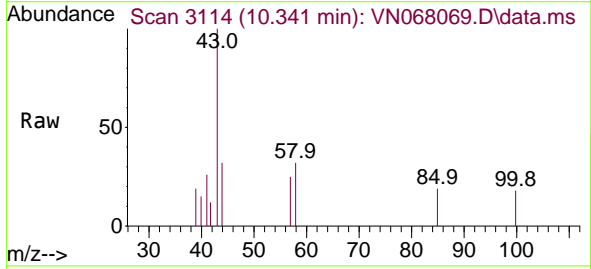
Instrument :
 MSVOA_N
 ClientSampled :

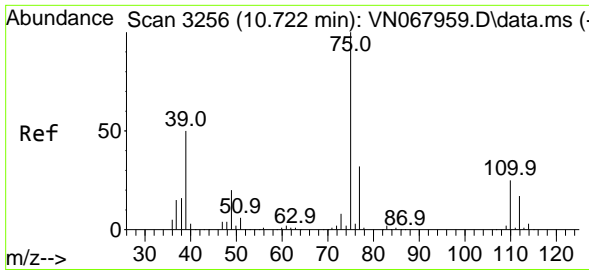
Tgt Ion: 98 Resp: 712965
 Ion Ratio Lower Upper
 98 100
 100 63.6 51.7 77.5



#51
 4-Methyl-2-Pentanone
 Concen: 13.13 ug/l
 RT: 10.341 min Scan# 3114
 Delta R.T. 0.008 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

Tgt Ion: 43 Resp: 3470
 Ion Ratio Lower Upper
 43 100
 58 28.9 28.6 43.0

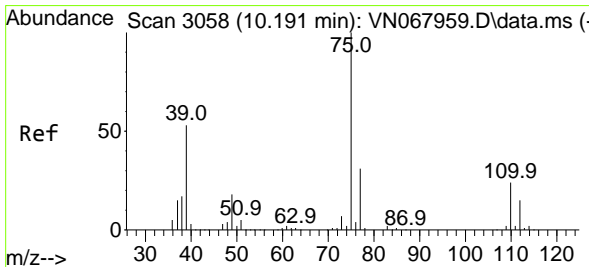
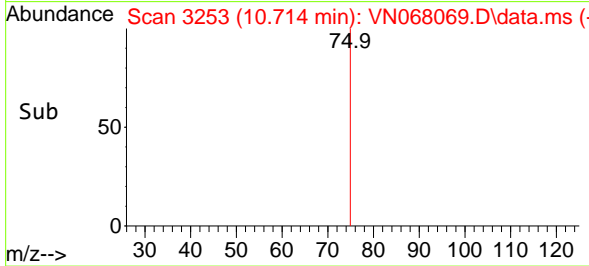
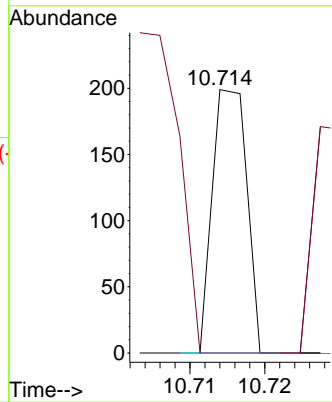
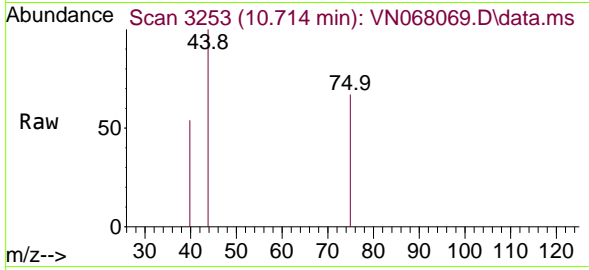




#53
 t-1,3-Dichloropropene
 Concen: 2.84 ug/l
 RT: 10.714 min Scan# 3253
 Delta R.T. -0.008 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

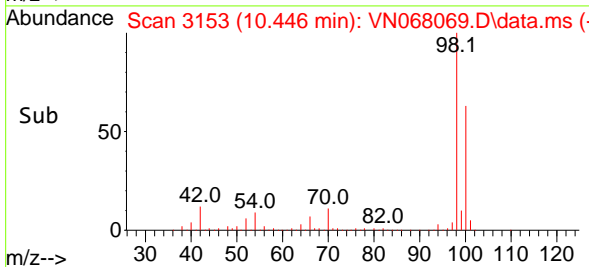
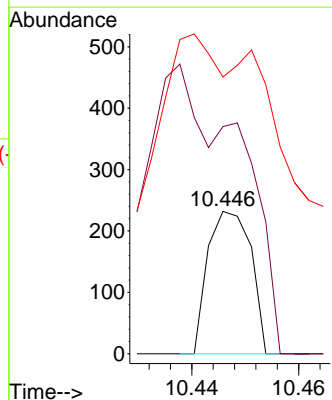
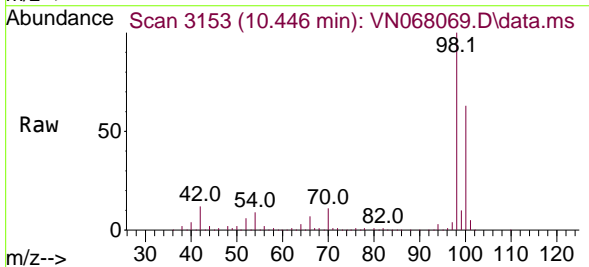
Instrument :
 MSVOA_N
 ClientSampled :

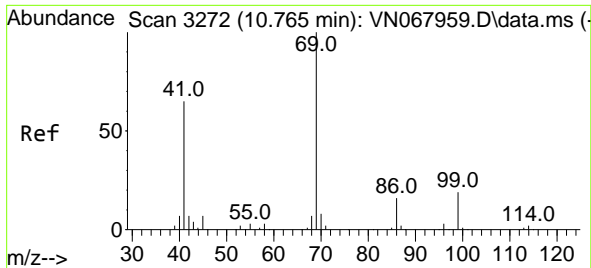
Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	25.1	37.7#



#54
 cis-1,3-Dichloropropene
 Concen: 2.37 ug/l
 RT: 10.446 min Scan# 3153
 Delta R.T. 0.255 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

Tgt Ion	Resp	Lower	Upper
75	100		
77	159.5	24.6	37.0#
39	49.1	50.7	76.1#

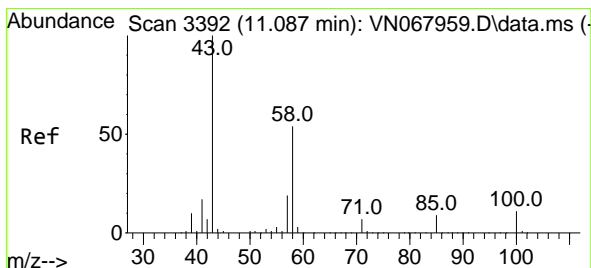
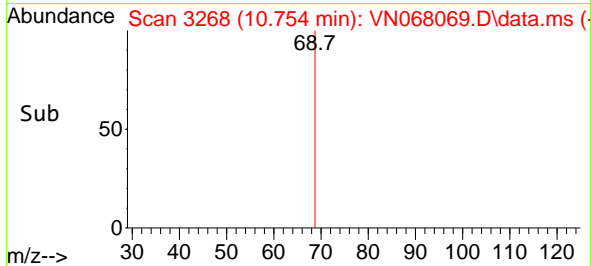
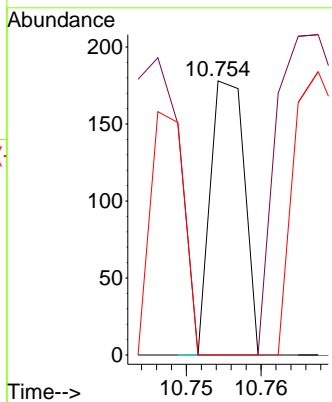
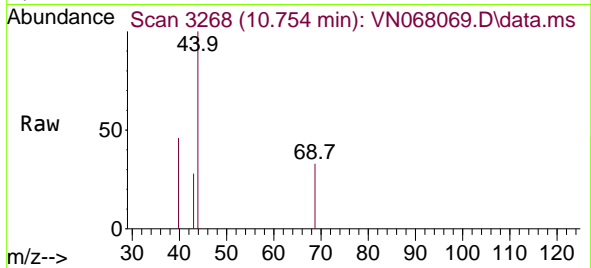




#56
 Ethyl methacrylate
 Concen: 3.11 ug/l
 RT: 10.754 min Scan# 3268
 Delta R.T. -0.011 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

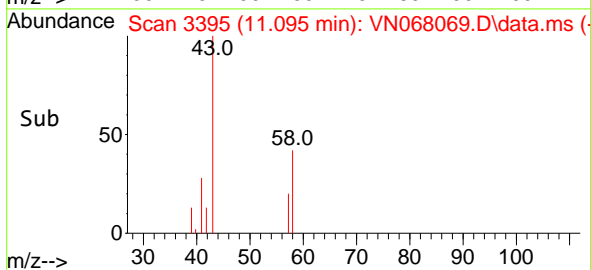
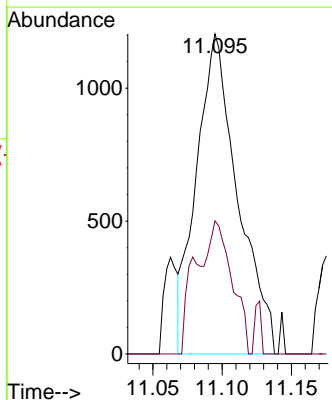
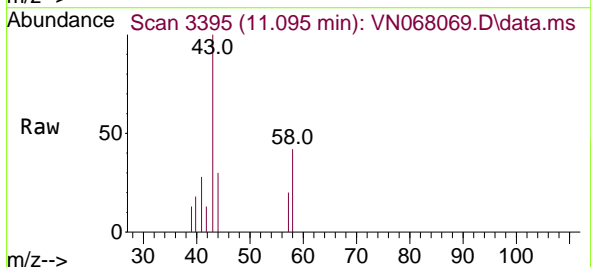
Instrument :
 MSVOA_N
 ClientSampled :

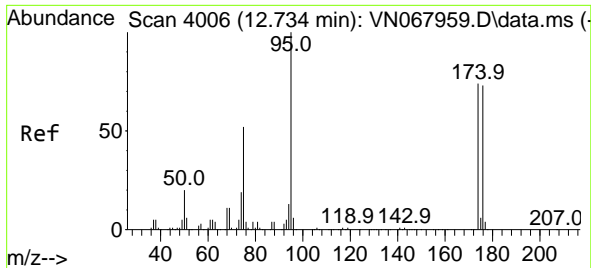
Tgt Ion	Resp	Lower	Upper
69	100		
41	189.5	58.6	88.0#
39	87.7	38.3	57.5#



#59
 2-Hexanone
 Concen: 13.86 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.008 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

Tgt Ion	Resp	Lower	Upper
43	100		
58	24.0	24.7	74.1#

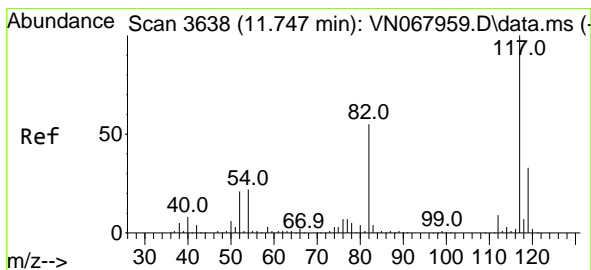
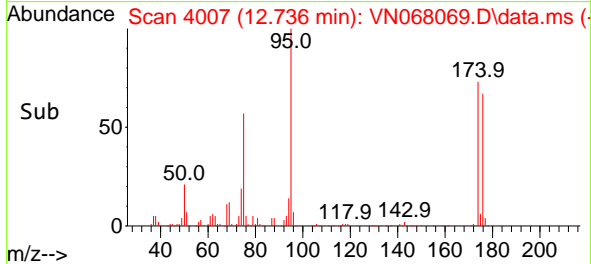
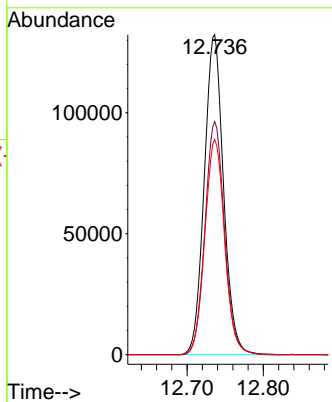
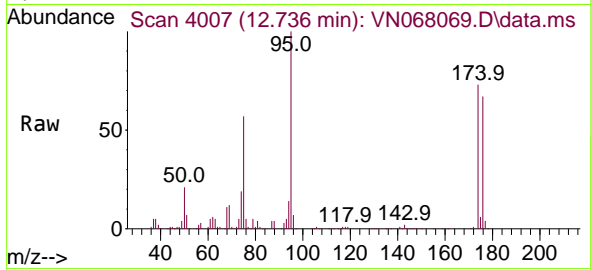




#62
 4-Bromofluorobenzene
 Concen: 43.50 ug/l
 RT: 12.736 min Scan# 4007
 Delta R.T. 0.002 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

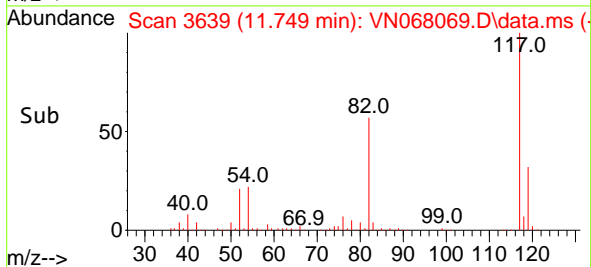
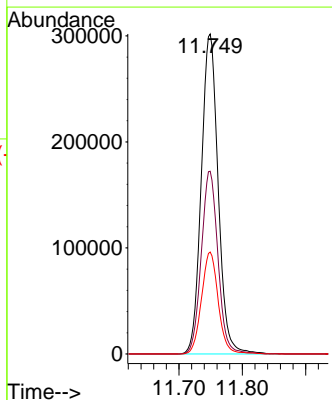
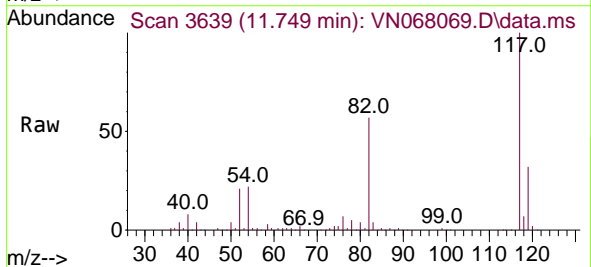
Instrument :
 MSVOA_N
 ClientSampled :

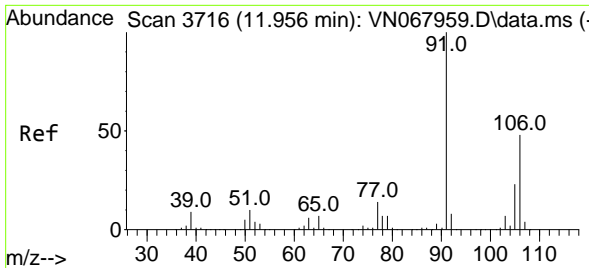
Tgt Ion	Resp	Lower	Upper
95	232249		
174	73.9	0.0	122.0
176	68.7	0.0	117.6



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.749 min Scan# 3639
 Delta R.T. 0.002 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

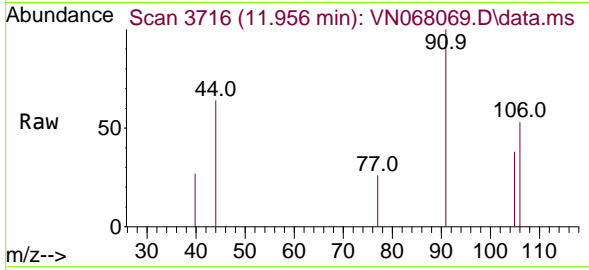
Tgt Ion	Resp	Lower	Upper
117	558275		
82	57.1	53.1	79.7
119	31.9	25.5	38.3



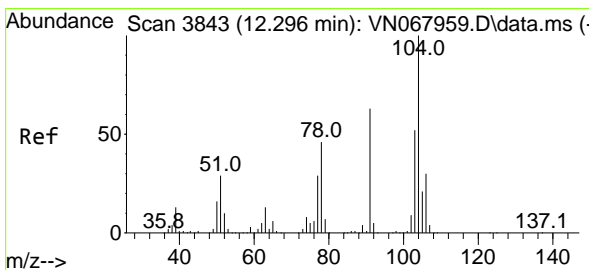
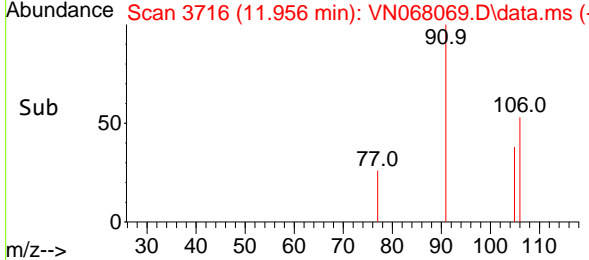
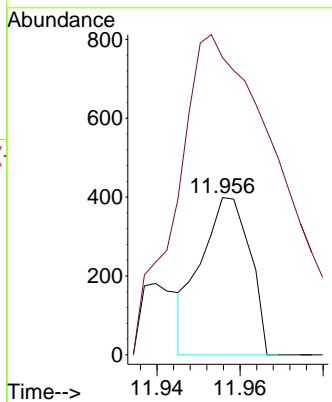


#68
 m/p-Xylenes
 Concen: 4.10 ug/l
 RT: 11.956 min Scan# 3716
 Delta R.T. -0.000 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

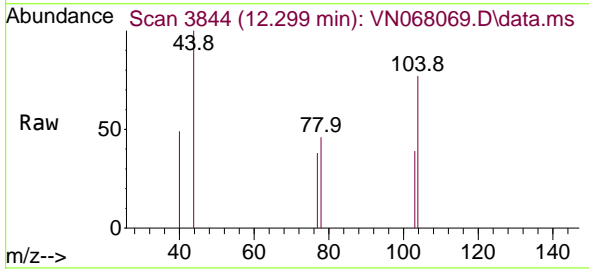
Instrument :
 MSVOA_N
 ClientSampled :



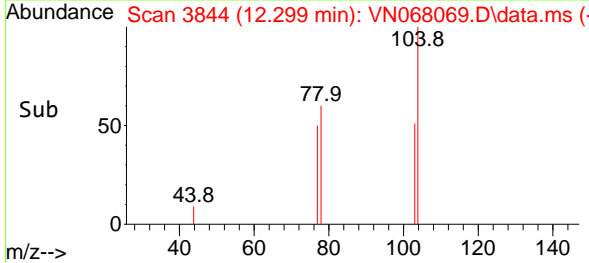
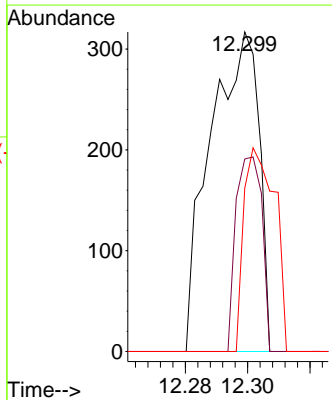
Tgt Ion:106 Resp: 328
 Ion Ratio Lower Upper
 106 100
 91 411.9 180.6 270.8#

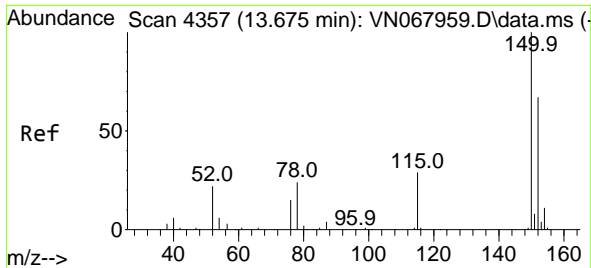


#70
 Styrene
 Concen: 2.65 ug/l
 RT: 12.299 min Scan# 3844
 Delta R.T. 0.003 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41



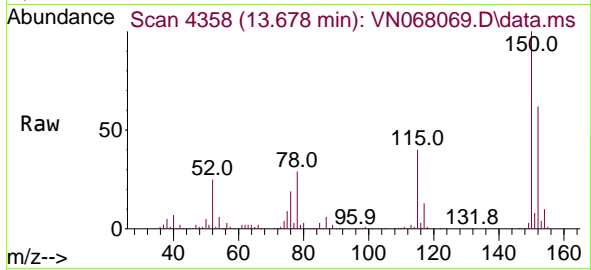
Tgt Ion:104 Resp: 343
 Ion Ratio Lower Upper
 104 100
 78 32.7 48.2 72.2#
 103 40.5 44.5 66.7#



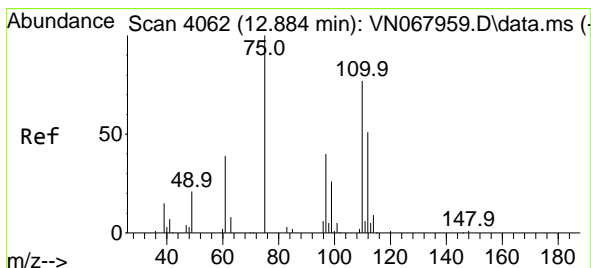
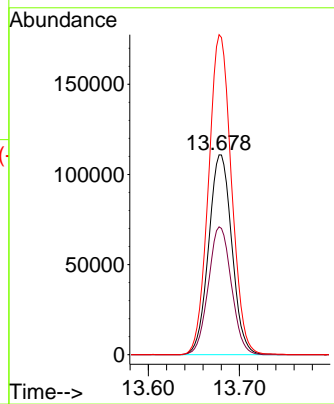
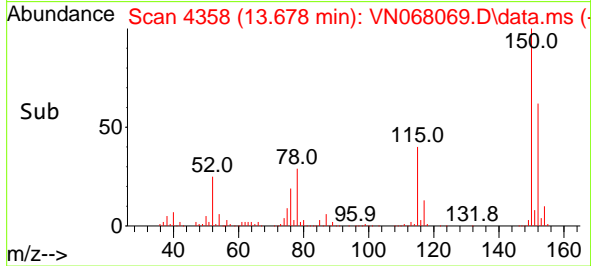


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

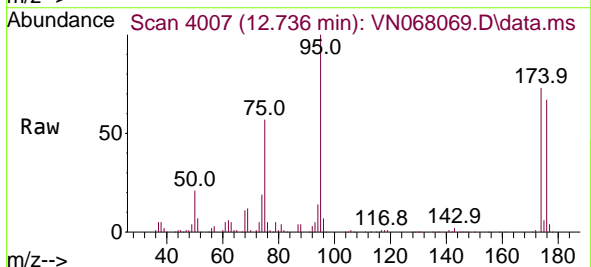
Instrument :
 MSVOA_N
 ClientSampled :



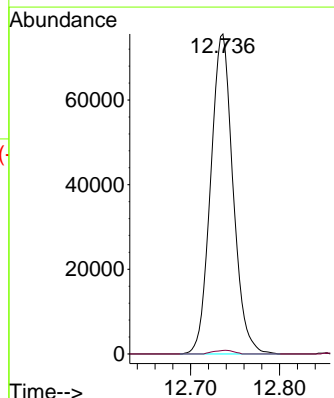
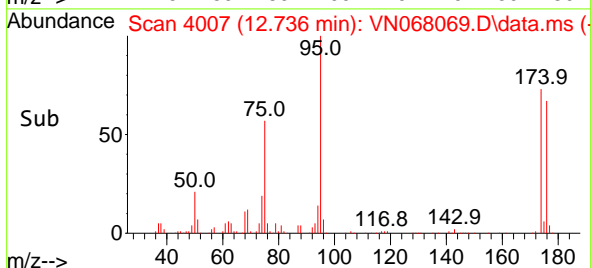
Tgt Ion:152 Resp: 195771
 Ion Ratio Lower Upper
 152 100
 115 63.5 36.1 108.5
 150 158.7 0.0 351.8

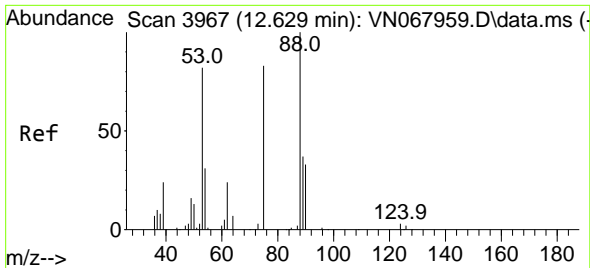


#76
 1,2,3-Trichloropropane
 Concen: 33.52 ug/l
 RT: 12.736 min Scan# 4007
 Delta R.T. -0.148 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41



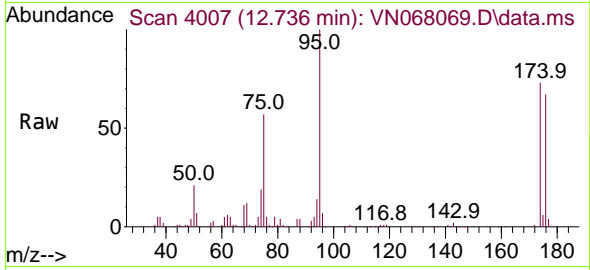
Tgt Ion: 75 Resp: 131788
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





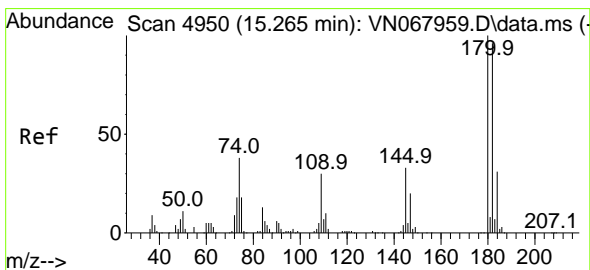
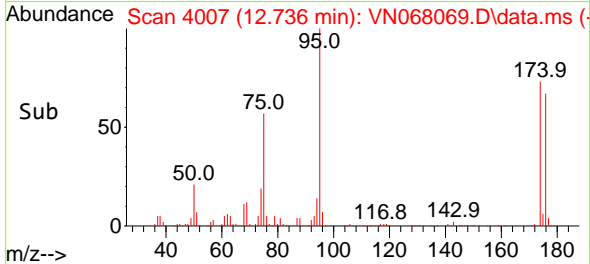
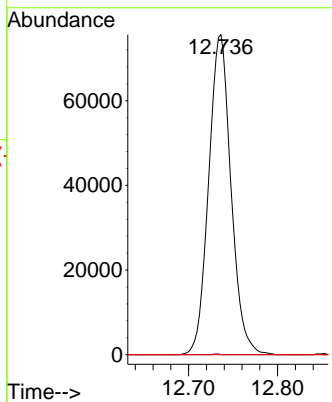
#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.90 ug/l
 RT: 12.736 min Scan# 4007
 Delta R.T. 0.107 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

Instrument :
 MSVOA_N
 ClientSampled :

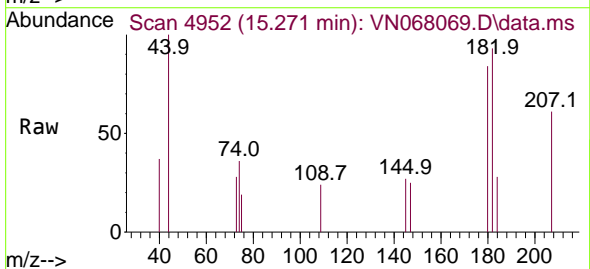


Tgt Ion: 75 Resp: 131788

Ion	Ratio	Lower	Upper
75	100		
53	0.1	87.6	131.4#
89	0.0	37.8	56.8#

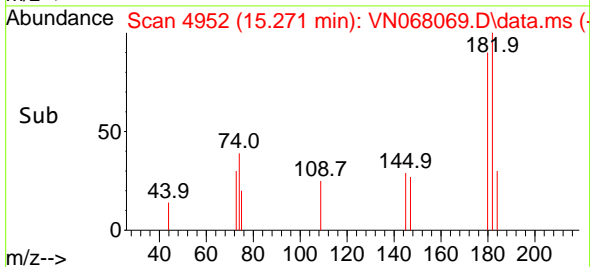
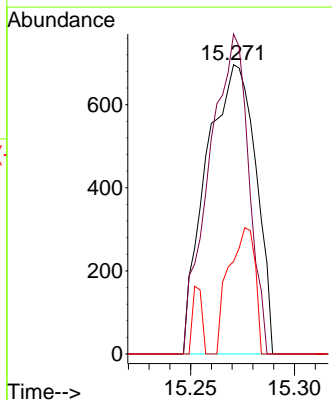


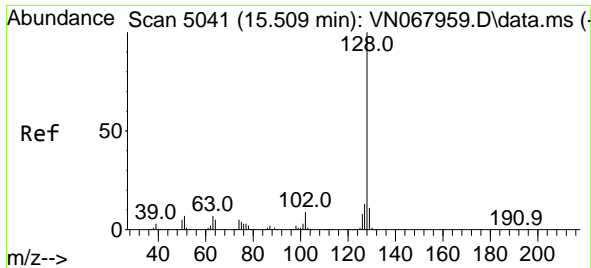
#93
 1,2,4-Trichlorobenzene
 Concen: 2.85 ug/l
 RT: 15.271 min Scan# 4952
 Delta R.T. 0.006 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41



Tgt Ion: 180 Resp: 1156

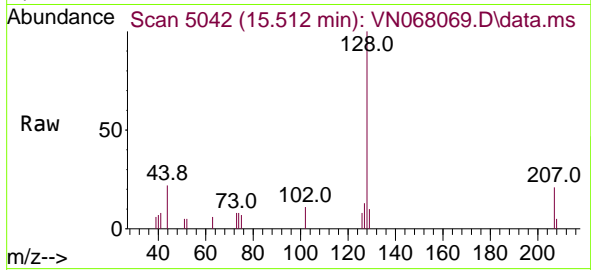
Ion	Ratio	Lower	Upper
180	100		
182	88.3	47.5	142.5
145	23.3	17.2	51.6





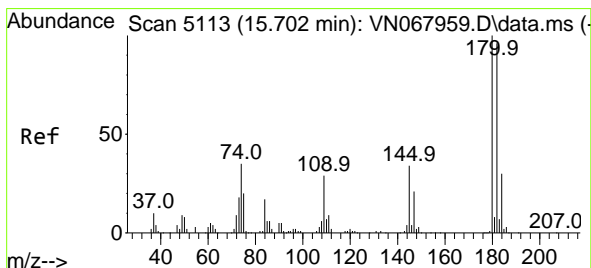
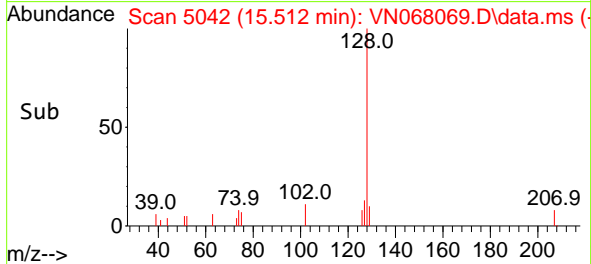
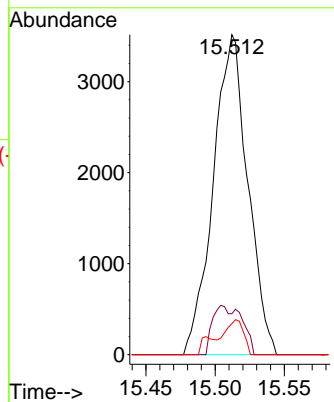
#95
 Naphthalene
 Concen: 3.82 ug/l
 RT: 15.512 min Scan# 5042
 Delta R.T. 0.003 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41

Instrument :
 MSVOA_N
 ClientSampled :

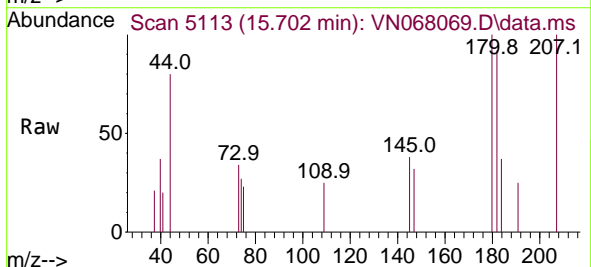


Tgt Ion:128 Resp: 6097

Ion	Ratio	Lower	Upper
128	100		
127	8.3	10.6	15.8#
129	5.9	8.6	12.8#



#96
 1,2,3-Trichlorobenzene
 Concen: 2.72 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN068069.D
 Acq: 11 Aug 2021 13:41



Tgt Ion:180 Resp: 1007

Ion	Ratio	Lower	Upper
180	100		
182	138.2	47.8	143.3
145	36.6	18.2	54.6

