

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092121\
 Data File : VN068594.D
 Acq On : 21 Sep 2021 20:13
 Operator : JC/MD
 Sample : PB139153ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 22 03:43:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

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

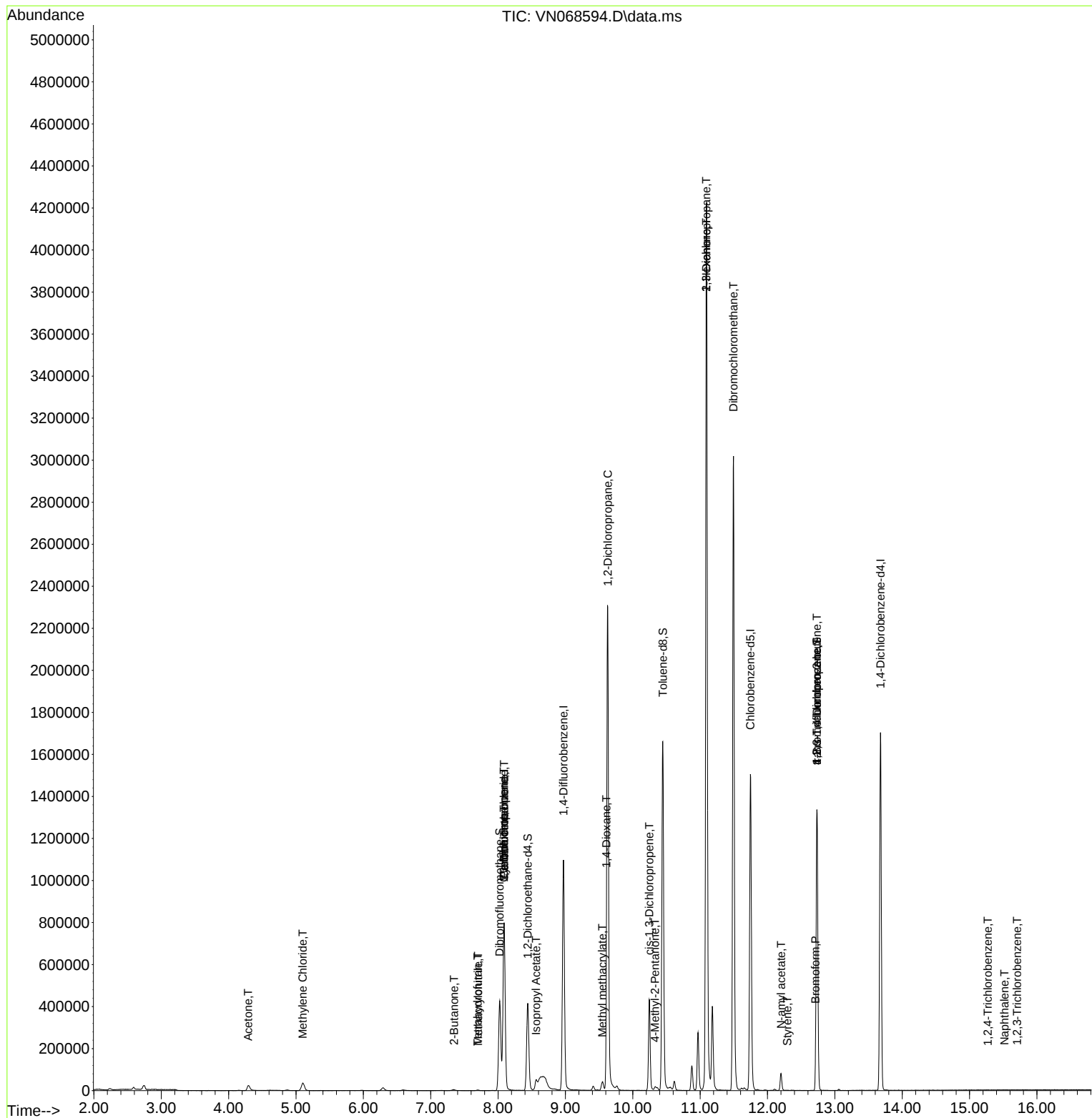
Internal Standards						
1) Pentafluorobenzene	8.091	168	660600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1044076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	982820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	494279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	346964	57.258	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 114.520%			
35) Dibromofluoromethane	8.024	113	313891	49.847	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.700%			
50) Toluene-d8	10.446	98	1260668	48.897	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.800%			
62) 4-Bromofluorobenzene	12.734	95	447470	52.348	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 104.700%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	413	Below Cal	#	42
5) Bromomethane	2.818	94	52	Below Cal	#	3
11) Tert butyl alcohol	5.374	59	237	Below Cal	#	84
16) Acetone	4.291	43	45356	18.262	ug/l	93
18) Methyl Acetate	4.867	43	6363	Below Cal	#	58
20) Methylene Chloride	5.098	84	29941	4.027	ug/l	95
25) 2-Butanone	7.348	43	8745	2.970	ug/l	85
29) Tetrahydrofuran	7.697	42	1371	0.713	ug/l	93
31) Cyclohexane	8.086	56	11622	1.266	ug/l	3
36) 1,1-Dichloropropene	8.086	75	44337	5.094	ug/l	47
38) Carbon Tetrachloride	8.091	117	61977	5.943	ug/l	16
41) Methacrylonitrile	7.702	41	1178	0.362	ug/l	24
43) Isopropyl Acetate	8.566	43	58715	5.026	ug/l	79
45) 1,2-Dichloropropane	9.631	63	2829	0.460	ug/l	44
48) Methyl methacrylate	9.550	41	9798	2.009	ug/l	6
49) 1,4-Dioxane	9.609	88	49	0.438	ug/l	30
51) 4-Methyl-2-Pentanone	10.331	43	7739	1.161	ug/l	78
54) cis-1,3-Dichloropropene	10.245	75	81401	8.253	ug/l	66
57) 1,3-Dichloropropane	11.092	76	48851	4.672	ug/l	43
59) 2-Hexanone	11.092	43	614796	137.660	ug/l	47
60) Dibromochloromethane	11.495	129	725	1.878	ug/l	11
70) Styrene	12.294	104	24	1.755	ug/l	27
71) Bromoform	12.712	173	116	2.541	ug/l	29
74) N-amyl acetate	12.200	43	24618	3.139	ug/l	49
76) 1,2,3-Trichloropropane	12.734	75	235245	34.264	ug/l	1
81) trans-1,4-Dichloro-2-b...	12.734	75	235245	105.477	ug/l	13
93) 1,2,4-Trichlorobenzene	15.271	180	97	2.969	ug/l	79
95) Naphthalene	15.520	128	730	3.531	ug/l	69
96) 1,2,3-Trichlorobenzene	15.705	180	24	2.977	ug/l	12

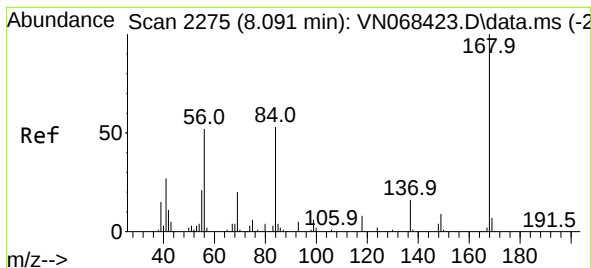
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN068594.D
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Quant Title : SW846 8260
QLast Update : Fri Sep 17 11:02:11 2021
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. 0.000 min

Lab File: VN068594.D

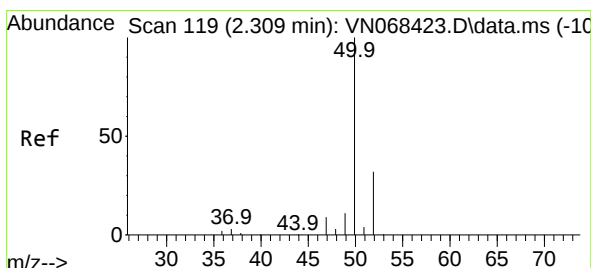
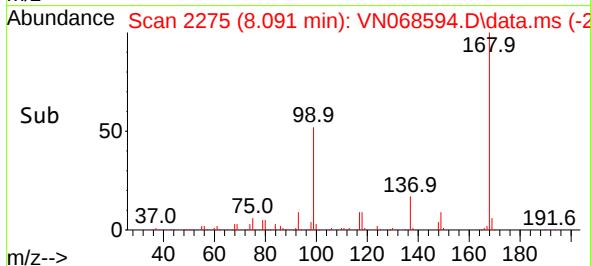
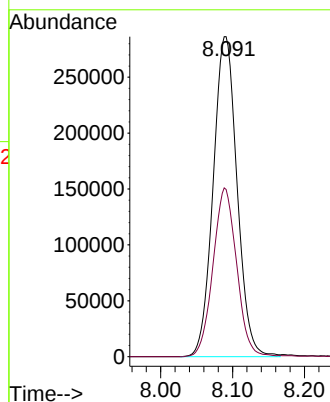
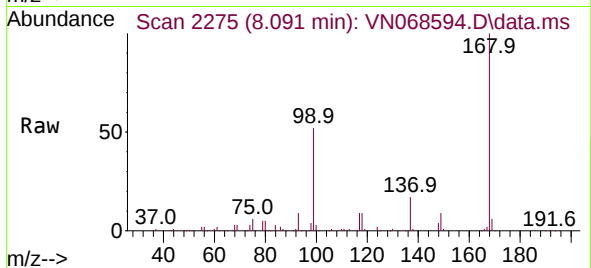
Acq: 21 Sep 2021 20:13

Tgt Ion:168 Resp: 660600

Ion Ratio Lower Upper

168 100

99 52.2 38.2 57.4



#3

Chloromethane

Concen: Below Cal

RT: 2.303 min Scan# 117

Delta R.T. -0.006 min

Lab File: VN068594.D

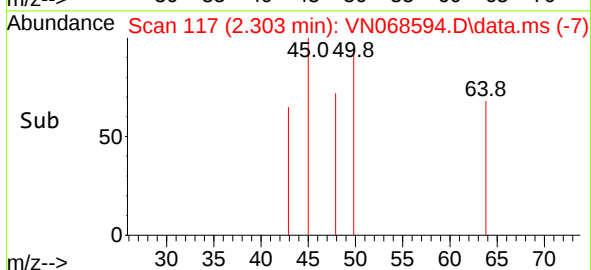
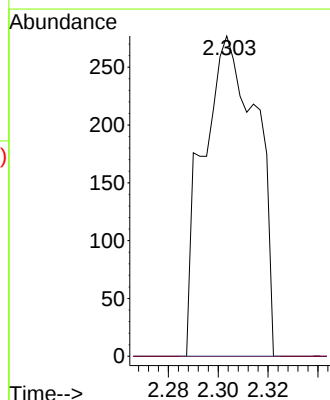
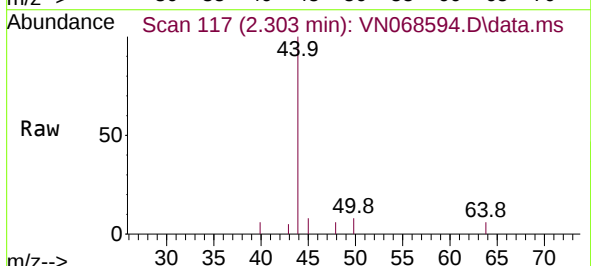
Acq: 21 Sep 2021 20:13

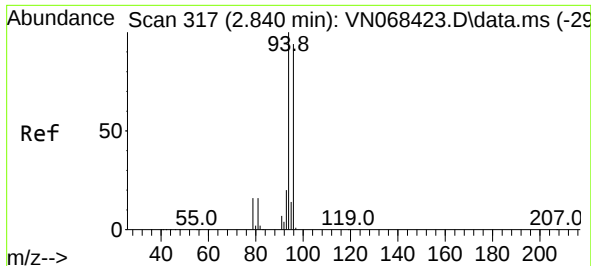
Tgt Ion: 50 Resp: 413

Ion Ratio Lower Upper

50 100

52 0.0 25.8 38.6#

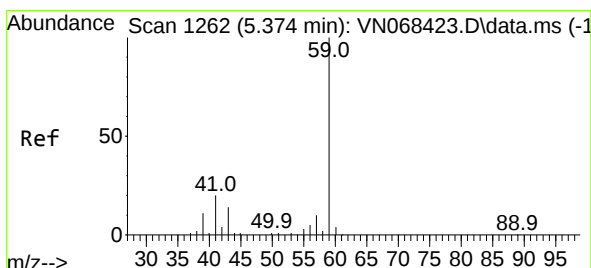
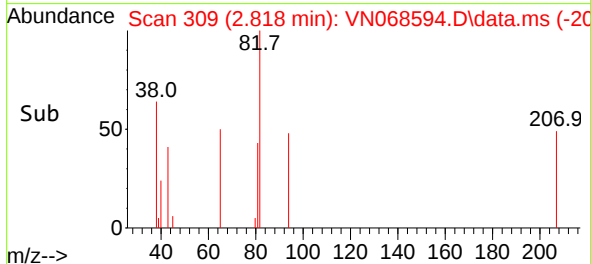
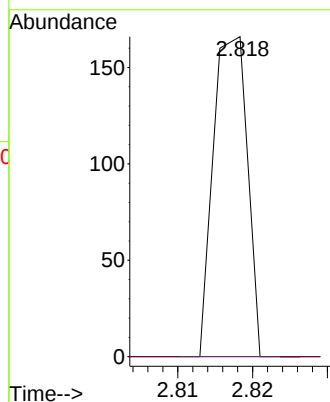
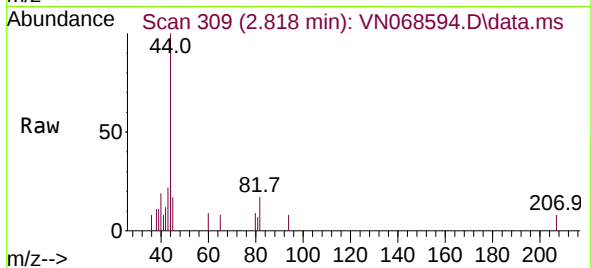




#5
Bromomethane
Concen: Below Cal
RT: 2.818 min Scan# 309
Delta R.T. -0.022 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

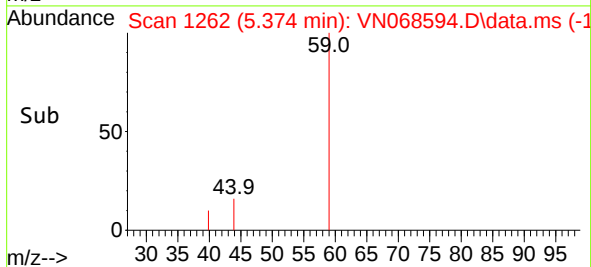
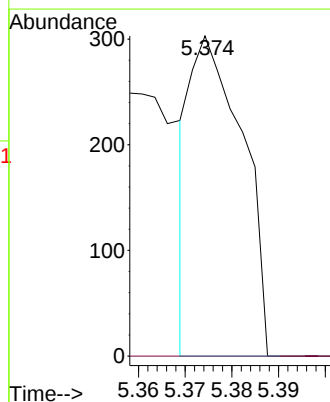
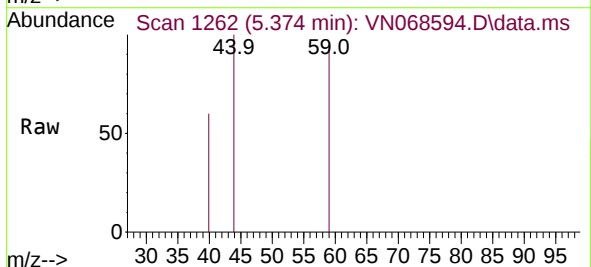
Instrument :
MSVOA_N
ClientSampled :

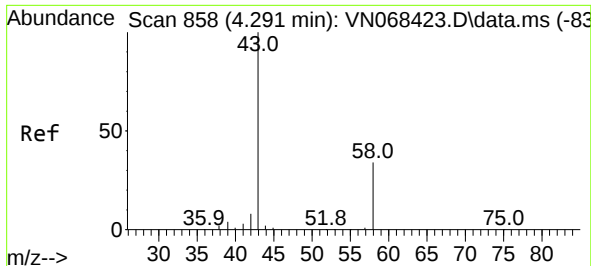
Tgt Ion: 94 Resp: 52
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.374 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

Tgt Ion: 59 Resp: 237
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

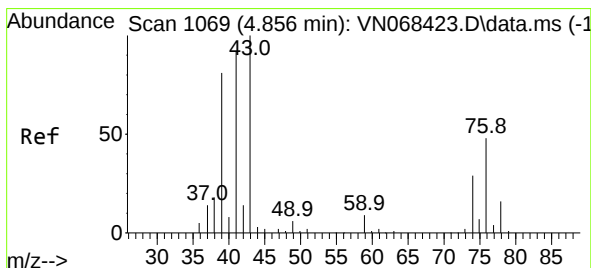
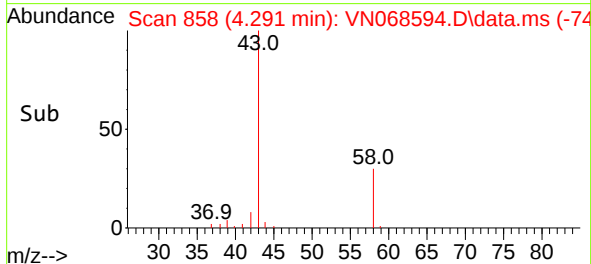
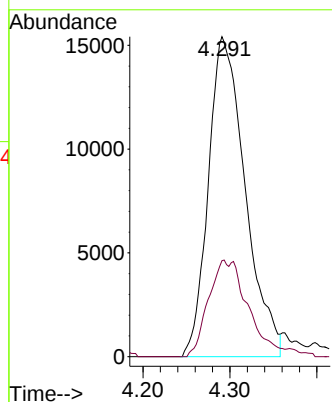
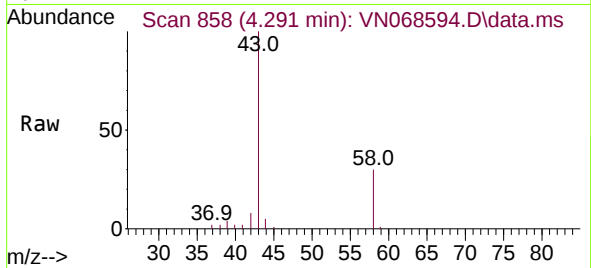




#16
Acetone
Concen: 18.262 ug/l
RT: 4.291 min Scan# 858
Delta R.T. -0.000 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

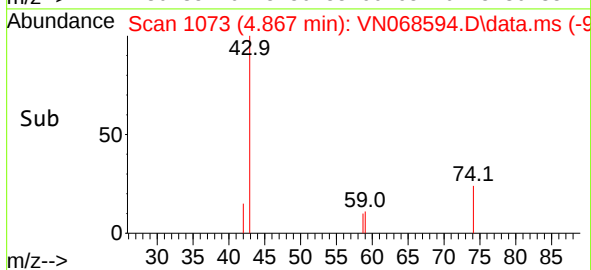
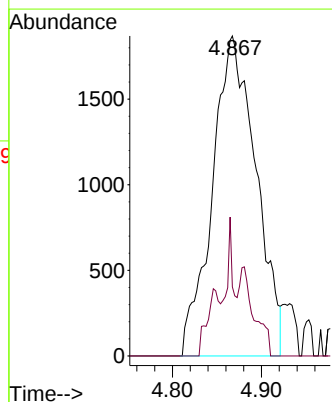
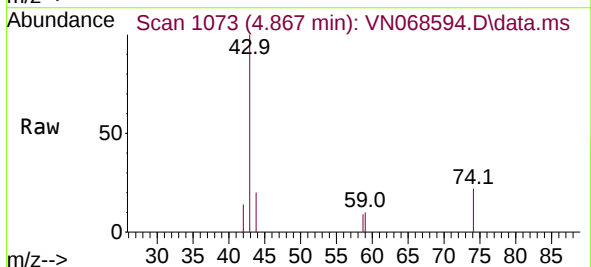
Instrument :
MSVOA_N
ClientSampled :

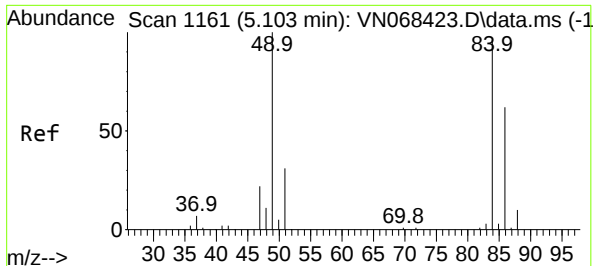
Tgt Ion: 43 Resp: 45356
Ion Ratio Lower Upper
43 100
58 30.0 27.0 40.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.867 min Scan# 1073
Delta R.T. 0.011 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

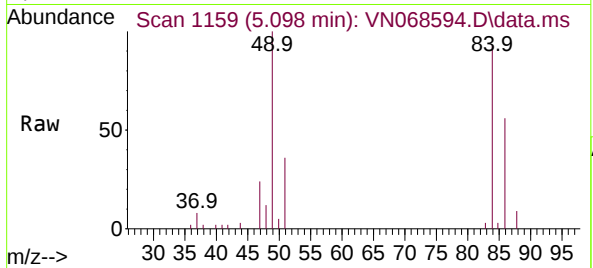
Tgt Ion: 43 Resp: 6363
Ion Ratio Lower Upper
43 100
74 6.7 23.5 35.3#



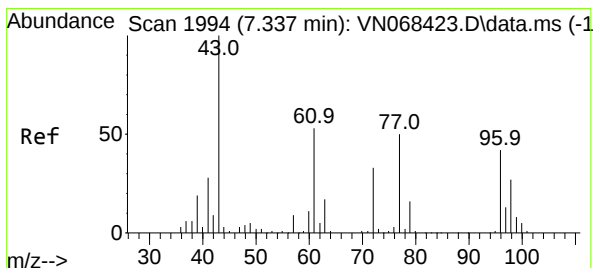
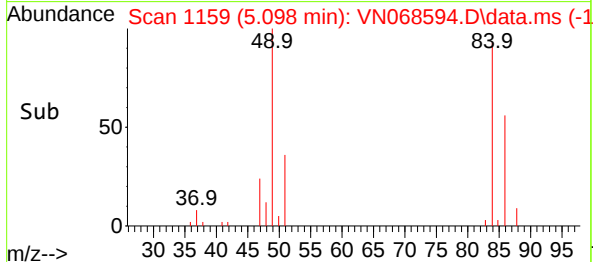
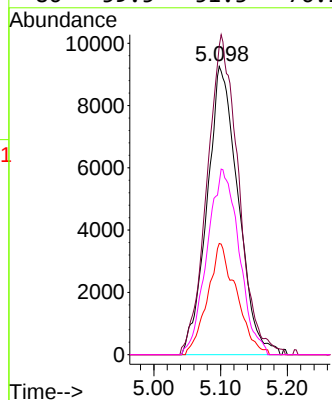


#20
Methylene Chloride
Concen: 4.027 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. -0.005 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

Instrument :
MSVOA_N
ClientSampled :

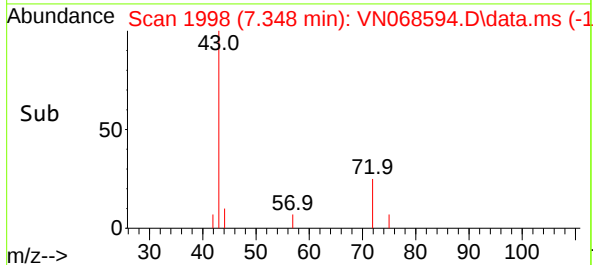
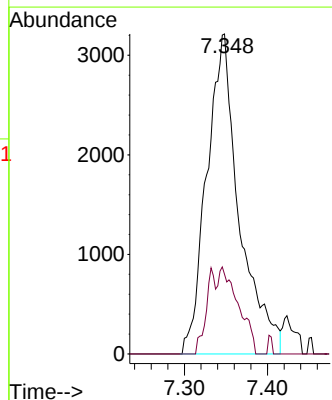
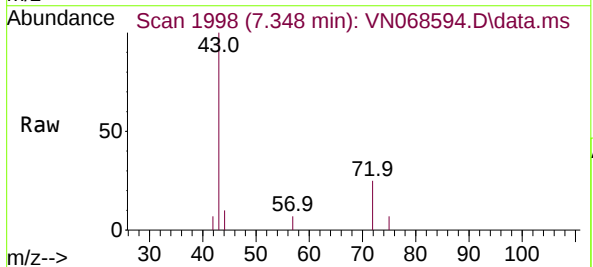


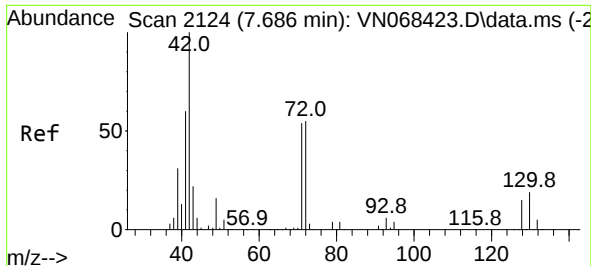
Tgt Ion:	84	Resp:	29941
Ion	Ratio	Lower	Upper
84	100		
49	107.0	83.0	124.6
51	38.6	25.4	38.0#
86	59.5	51.3	76.9



#25
2-Butanone
Concen: 2.970 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

Tgt Ion:	43	Resp:	8745
Ion	Ratio	Lower	Upper
43	100		
72	24.9	26.7	40.1#





#29

Tetrahydrofuran

Concen: 0.713 ug/l

RT: 7.697 min Scan# 2128

Delta R.T. 0.011 min

Lab File: VN068594.D

Acq: 21 Sep 2021 20:13

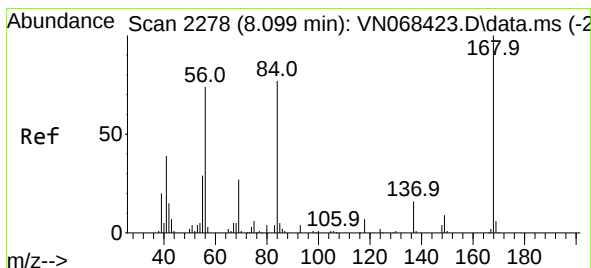
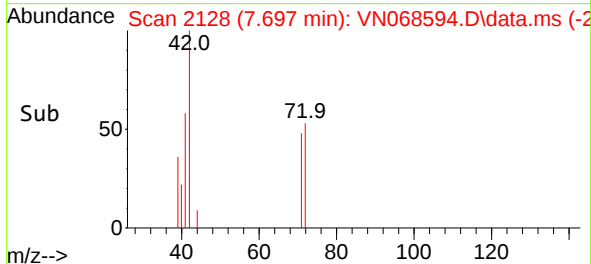
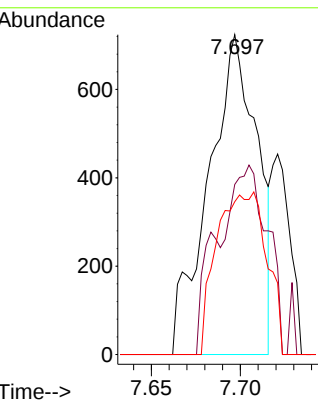
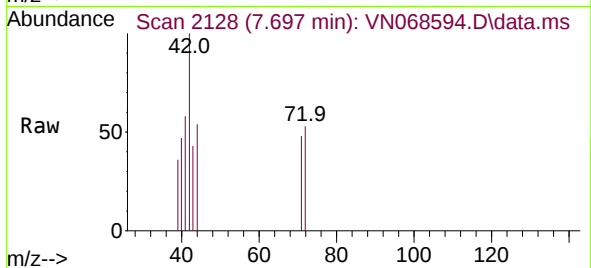
Tgt Ion: 42 Resp: 1371

Ion Ratio Lower Upper

42 100

72 46.5 44.4 66.6

71 52.3 42.3 63.5



#31

Cyclohexane

Concen: 1.266 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.013 min

Lab File: VN068594.D

Acq: 21 Sep 2021 20:13

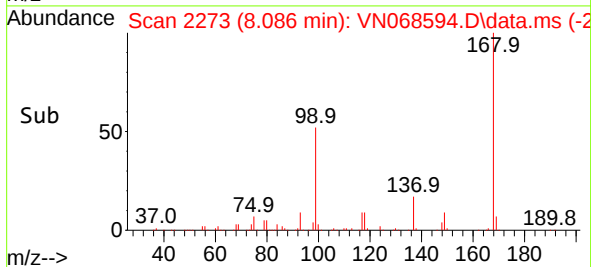
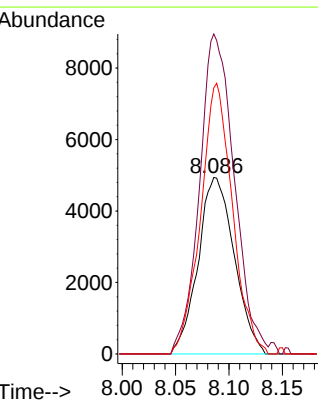
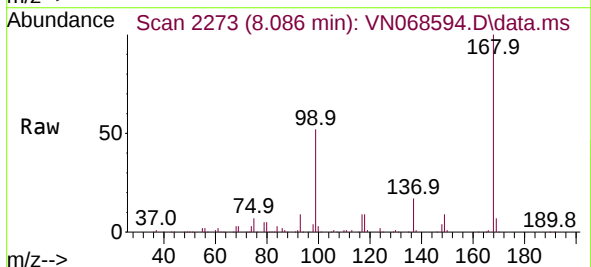
Tgt Ion: 56 Resp: 11622

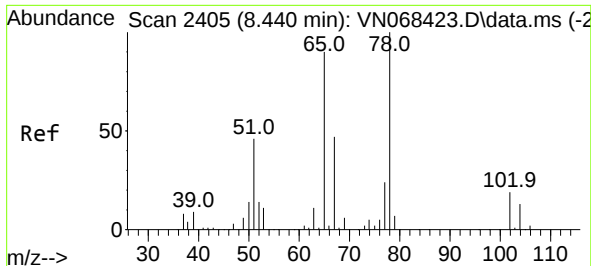
Ion Ratio Lower Upper

56 100

69 181.4 29.4 44.0#

84 150.9 83.6 125.4#

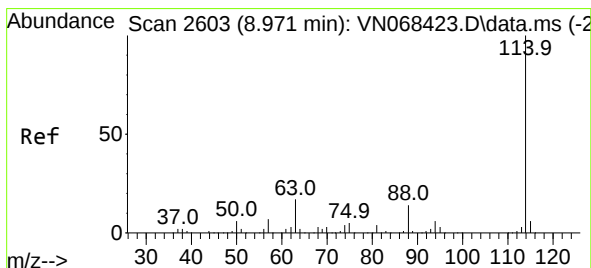
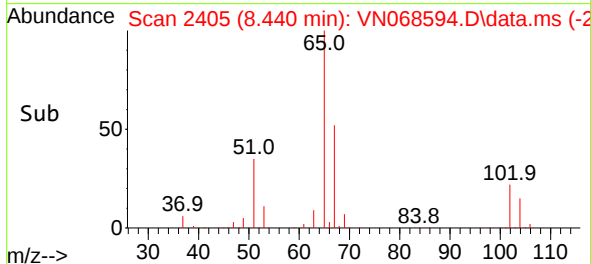
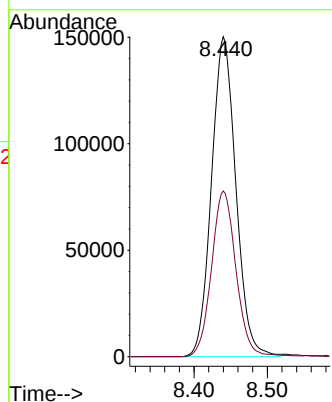
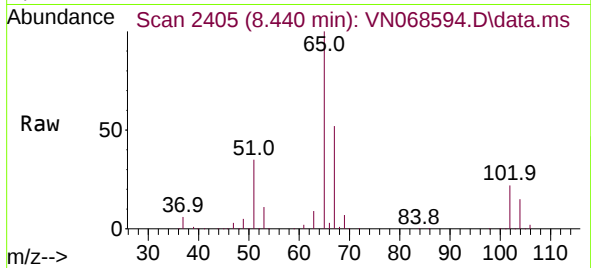




#33
 1,2-Dichloroethane-d4
 Concen: 57.258 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068594.D
 Acq: 21 Sep 2021 20:13

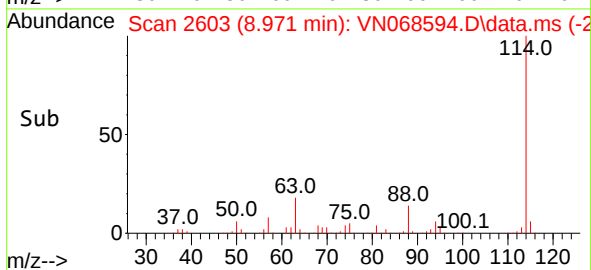
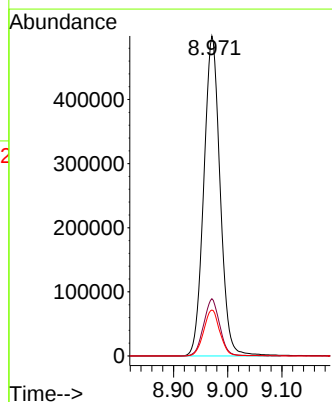
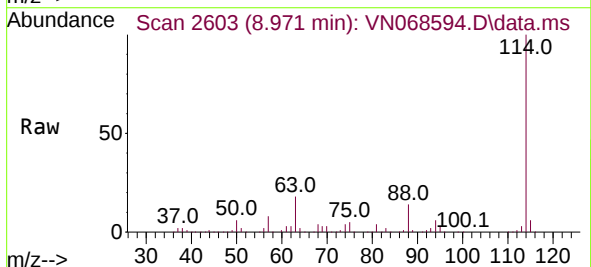
Instrument :
 MSVOA_N
 ClientSampled :

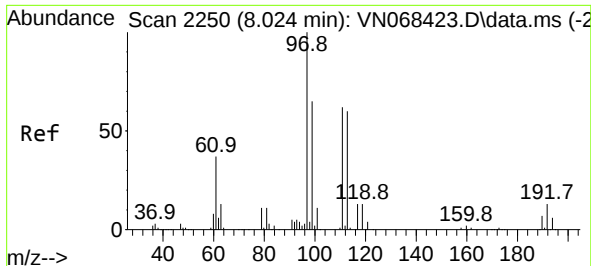
Tgt Ion: 65 Resp: 346964
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. -0.000 min
 Lab File: VN068594.D
 Acq: 21 Sep 2021 20:13

Tgt Ion: 114 Resp: 1044076
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 33.2
 88 14.3 0.0 28.4

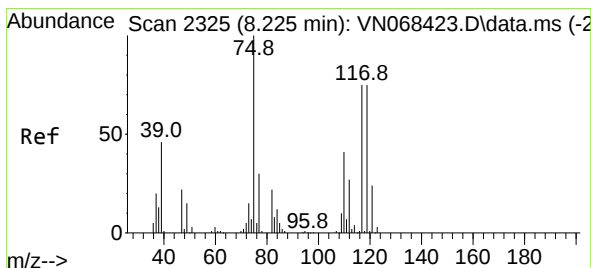
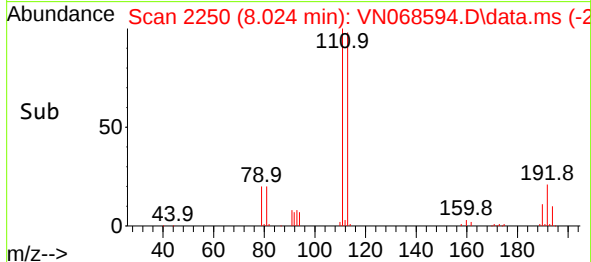
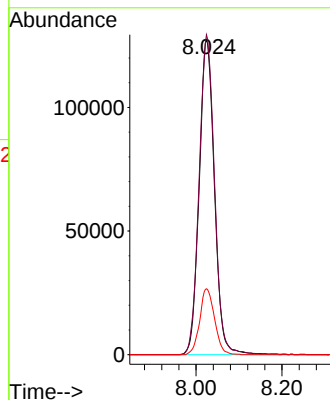
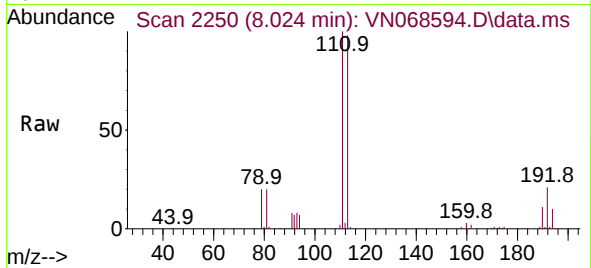




#35
Dibromofluoromethane
Concen: 49.847 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

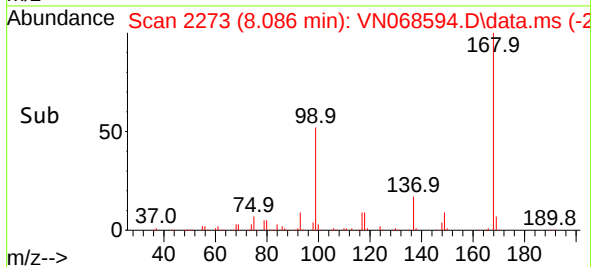
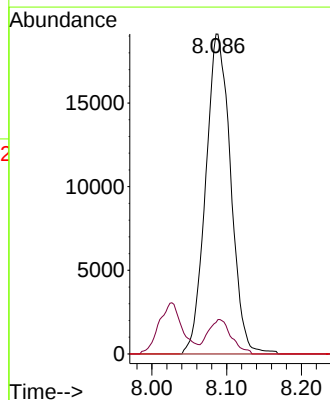
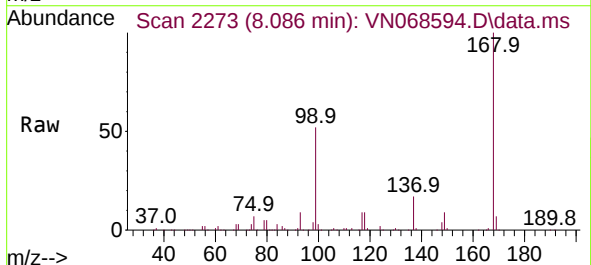
Instrument :
MSVOA_N
ClientSampled :

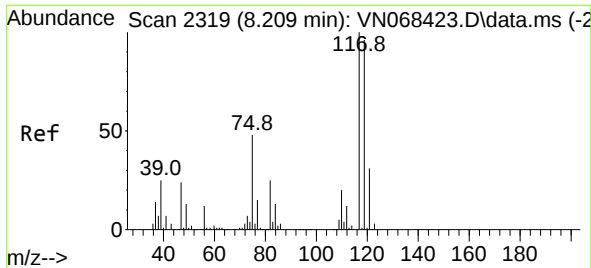
Tgt Ion:113 Resp: 313891
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 20.4 17.7 26.5



#36
1,1-Dichloropropene
Concen: 5.094 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.139 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

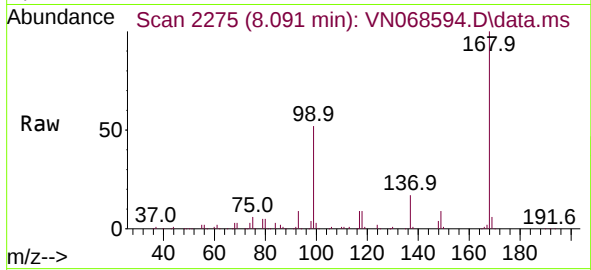
Tgt Ion: 75 Resp: 44337
Ion Ratio Lower Upper
75 100
110 10.1 20.8 62.5#
77 0.0 25.0 37.6#



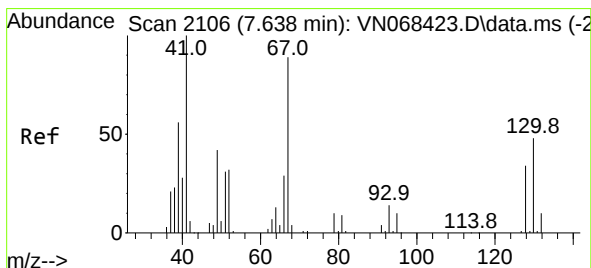
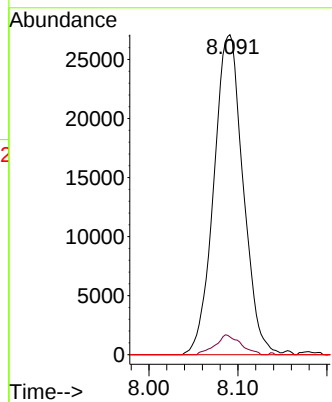
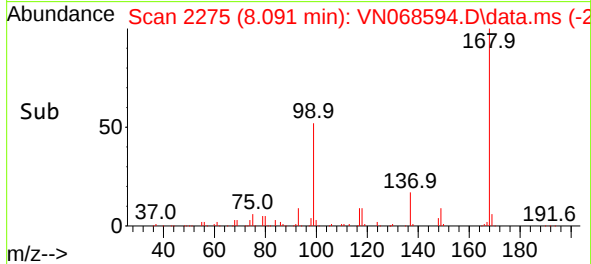


#38
Carbon Tetrachloride
Concen: 5.943 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

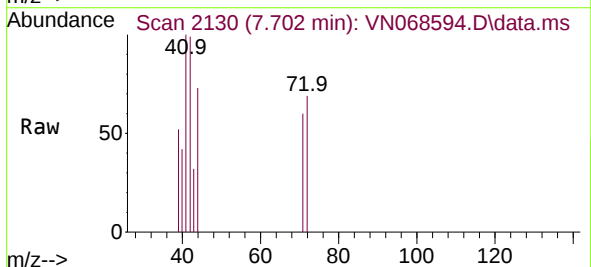
Instrument :
MSVOA_N
ClientSampled :



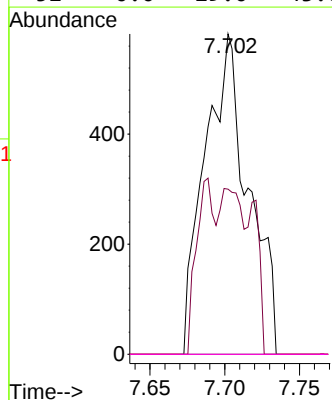
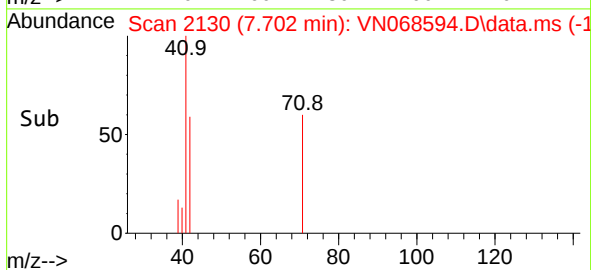
Tgt Ion:117 Resp: 61977
Ion Ratio Lower Upper
117 100
119 5.5 76.6 114.8#
121 0.0 24.5 36.7#

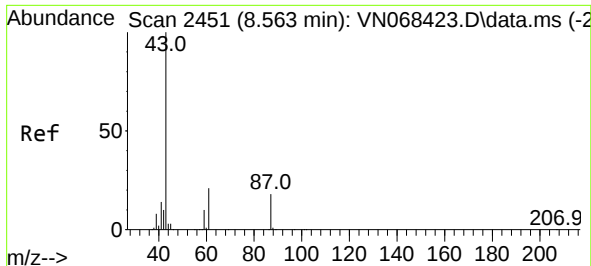


#41
Methacrylonitrile
Concen: 0.362 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.064 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13



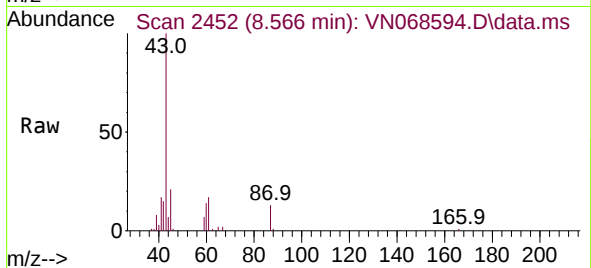
Tgt Ion: 41 Resp: 1178
Ion Ratio Lower Upper
41 100
39 23.3 45.4 68.2#
67 0.0 78.7 118.1#
52 0.0 29.0 43.6#



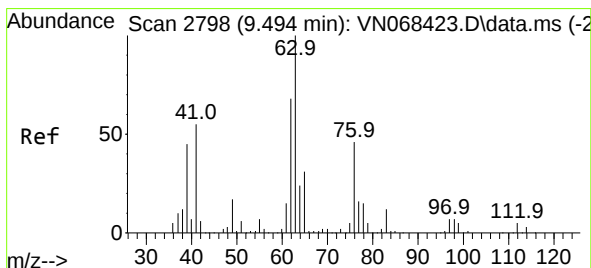
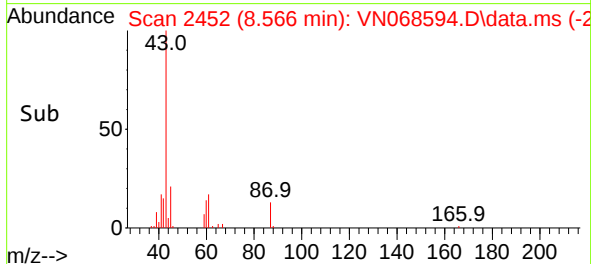
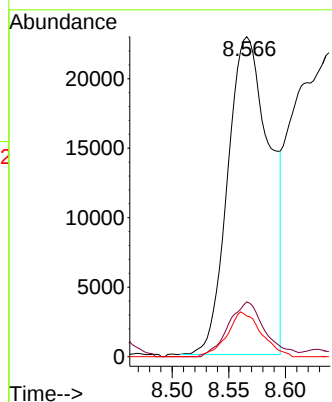


#43
Isopropyl Acetate
Concen: 5.026 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

Instrument :
MSVOA_N
ClientSampled :

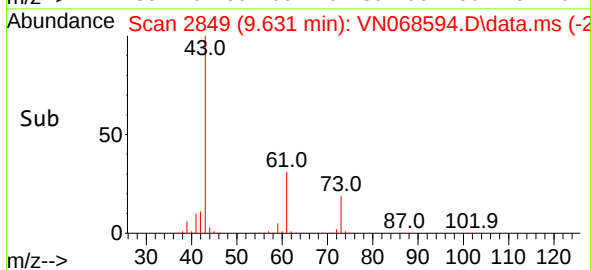
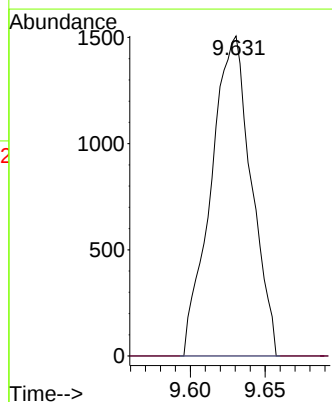
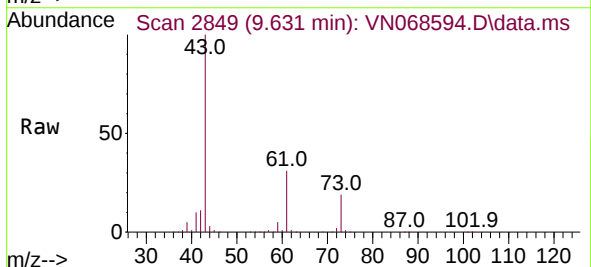


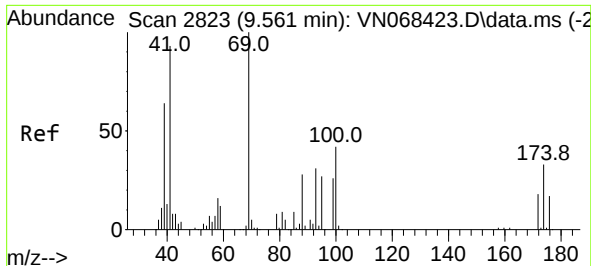
Tgt Ion: 43 Resp: 58715
Ion Ratio Lower Upper
43 100
61 15.1 23.3 34.9#
87 11.4 13.8 20.6#



#45
1,2-Dichloropropane
Concen: 0.460 ug/l
RT: 9.631 min Scan# 2849
Delta R.T. 0.137 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

Tgt Ion: 63 Resp: 2829
Ion Ratio Lower Upper
63 100
65 0.0 24.8 37.2#

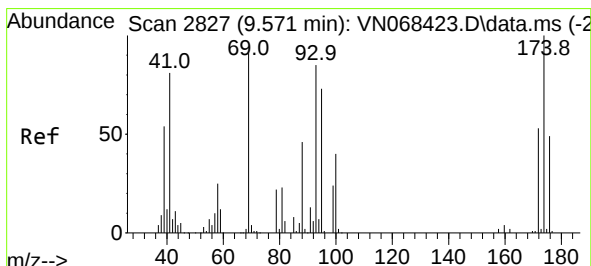
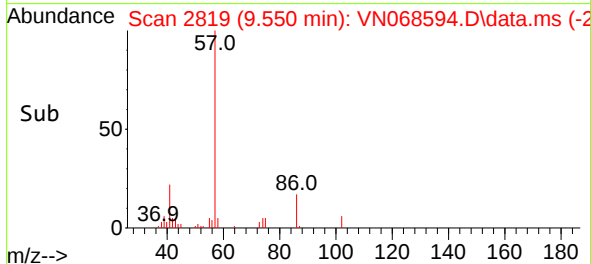
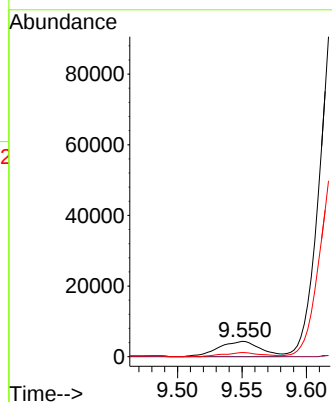
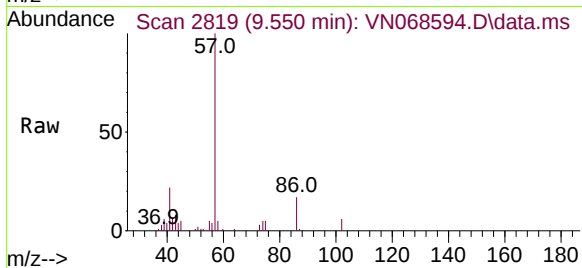




#48
Methyl methacrylate
Concen: 2.009 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

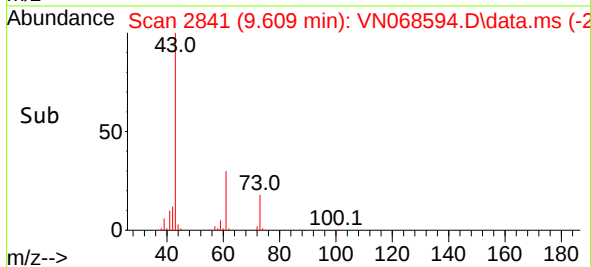
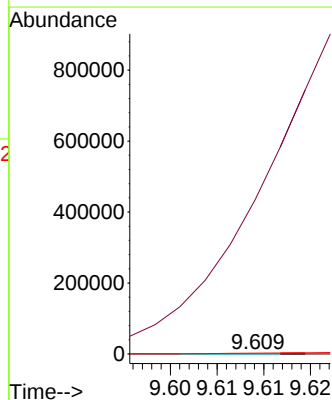
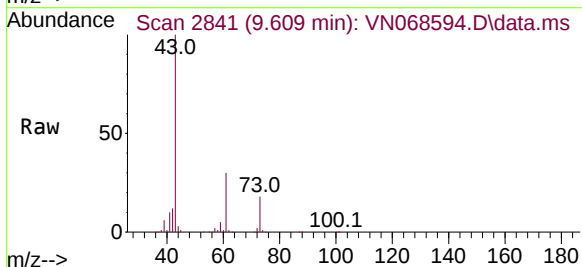
Instrument :
MSVOA_N
ClientSampled :

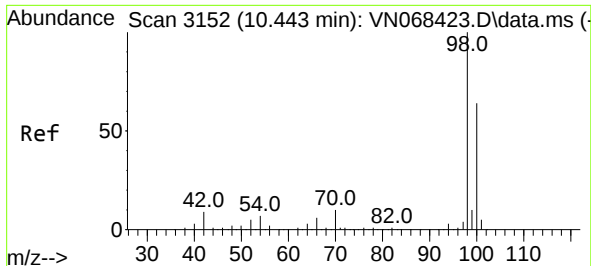
Tgt Ion: 41 Resp: 9798
Ion Ratio Lower Upper
41 100
69 0.0 82.9 124.3#
39 0.0 50.3 75.5#



#49
1,4-Dioxane
Concen: 0.438 ug/l
RT: 9.609 min Scan# 2841
Delta R.T. 0.038 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 0.0 18.9 28.3#
58 0.0 46.6 69.8#

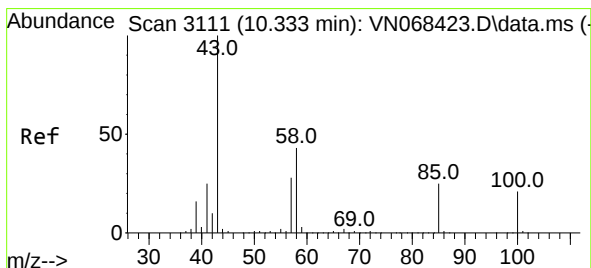
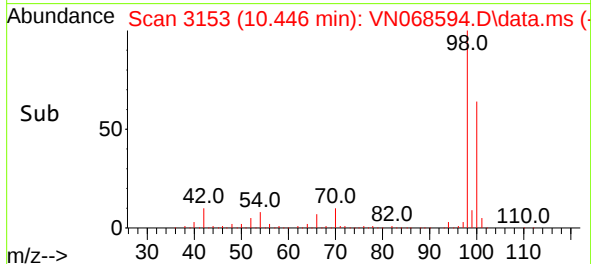
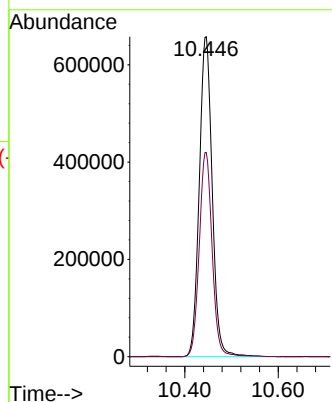
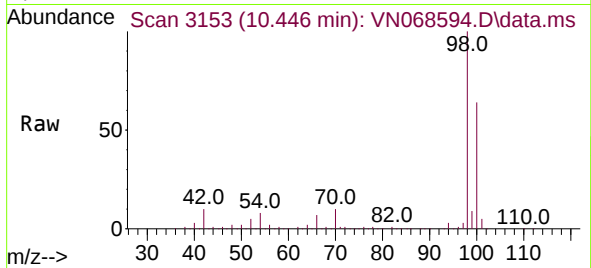




#50
Toluene-d8
Concen: 48.897 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

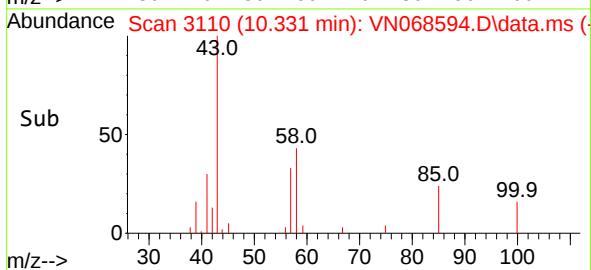
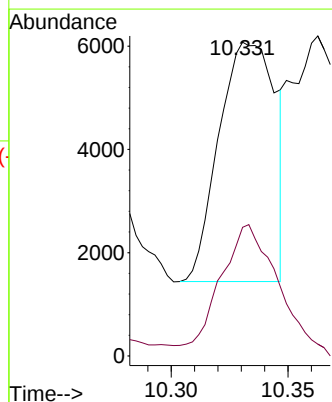
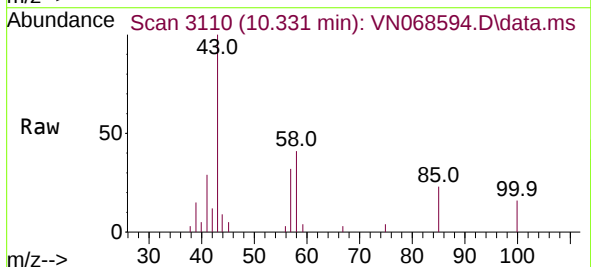
Instrument :
MSVOA_N
ClientSampled :

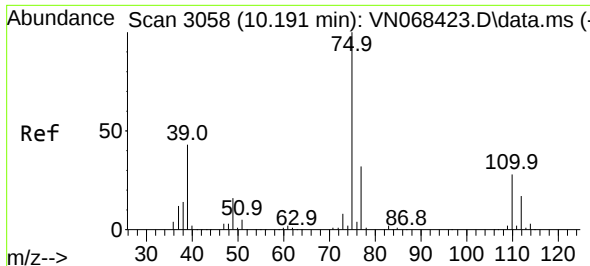
Tgt Ion: 98 Resp: 1260668
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 1.161 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. -0.002 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

Tgt Ion: 43 Resp: 7739
Ion Ratio Lower Upper
43 100
58 57.2 34.3 51.5#

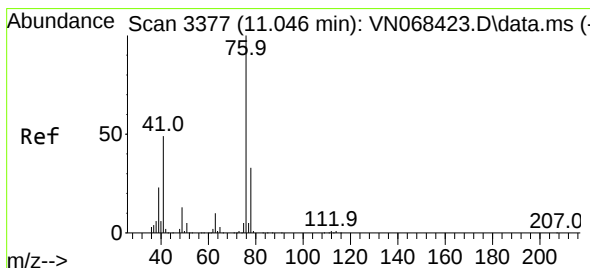
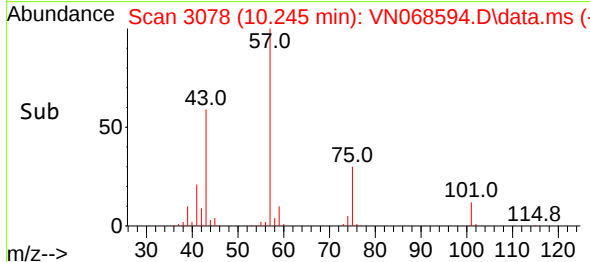
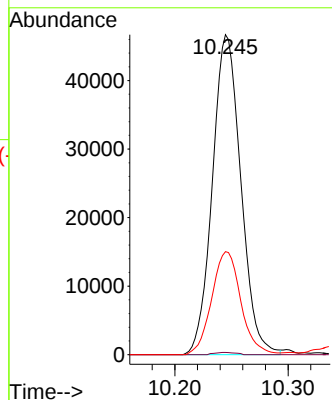
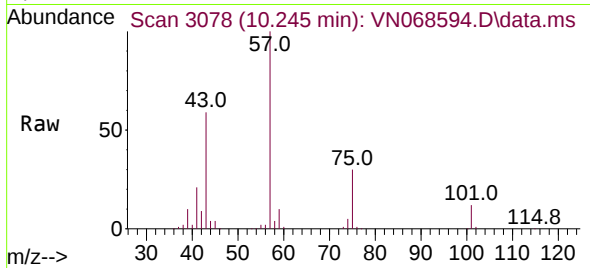




#54
 cis-1,3-Dichloropropene
 Concen: 8.253 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068594.D
 Acq: 21 Sep 2021 20:13

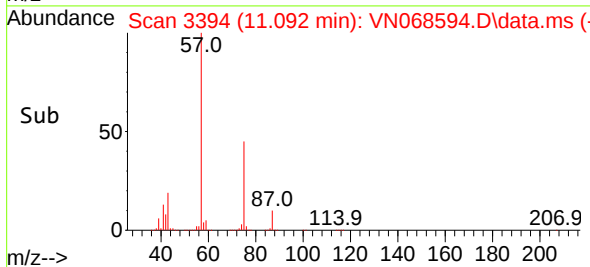
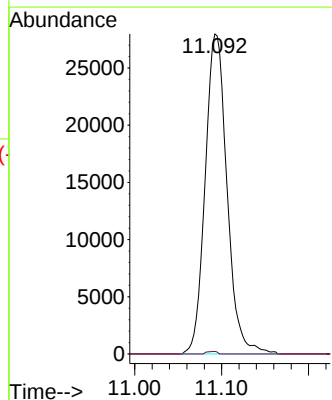
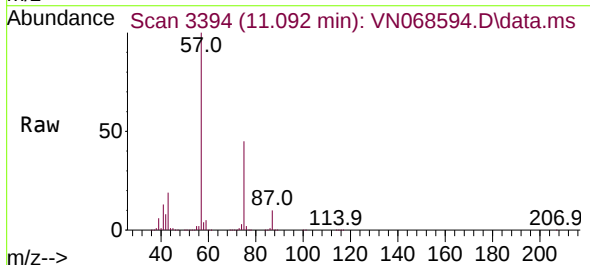
Instrument :
 MSVOA_N
 ClientSampled :

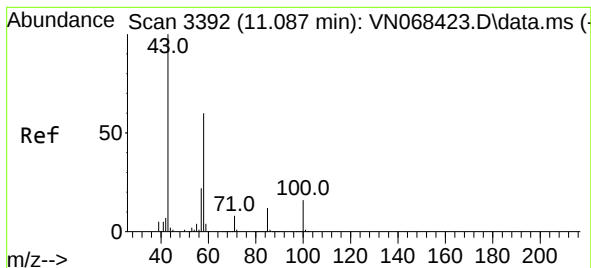
Tgt Ion: 75 Resp: 81401
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 32.2 34.6 52.0#



#57
 1,3-Dichloropropane
 Concen: 4.672 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN068594.D
 Acq: 21 Sep 2021 20:13

Tgt Ion: 76 Resp: 48851
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.9 38.9#

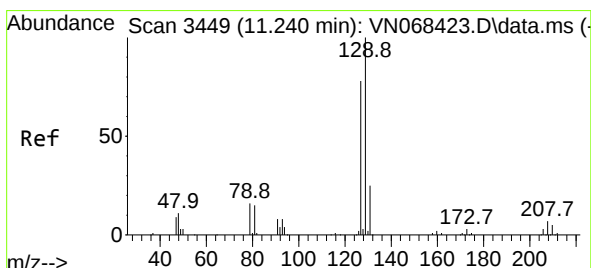
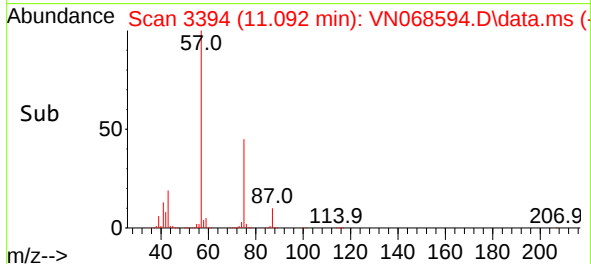
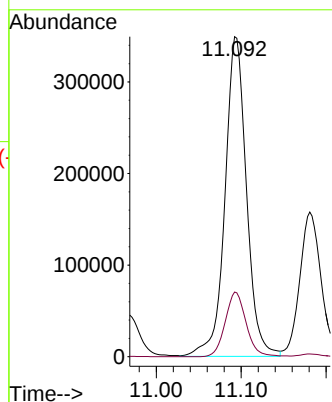
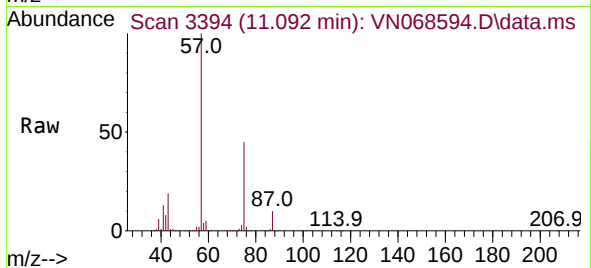




#59
2-Hexanone
Concen: 137.660 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

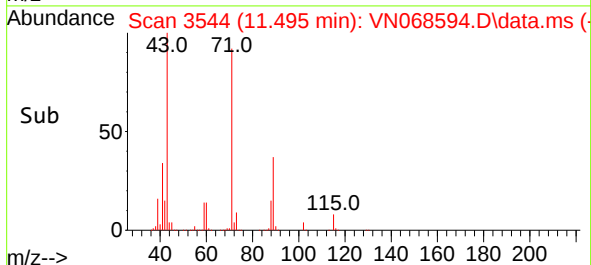
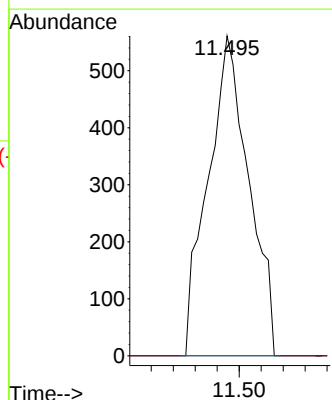
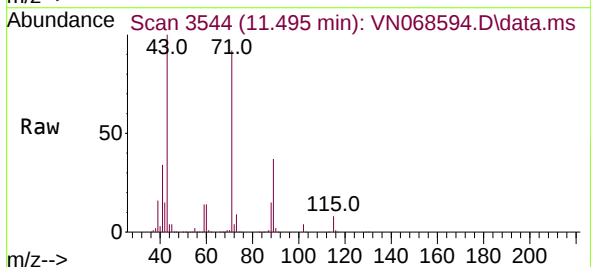
Instrument :
MSVOA_N
ClientSampled :

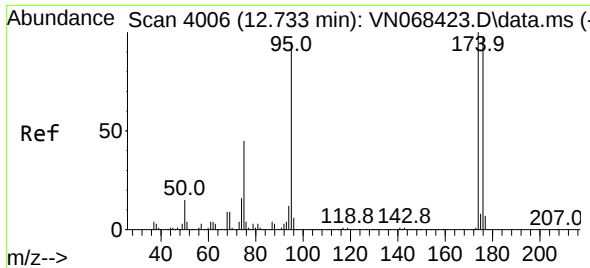
Tgt Ion: 43 Resp: 614796
Ion Ratio Lower Upper
43 100
58 19.7 30.0 90.1#



#60
Dibromochloromethane
Concen: 1.878 ug/l
RT: 11.495 min Scan# 3544
Delta R.T. 0.255 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

Tgt Ion:129 Resp: 725
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

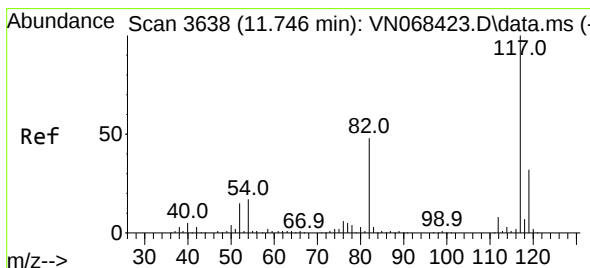
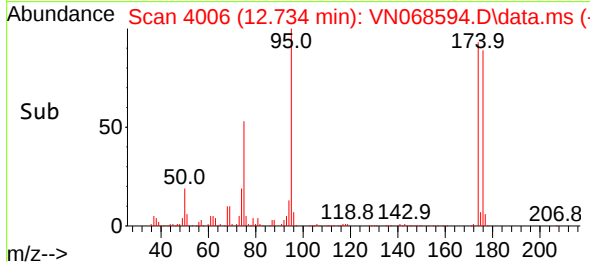
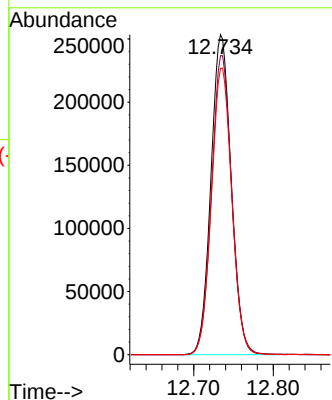
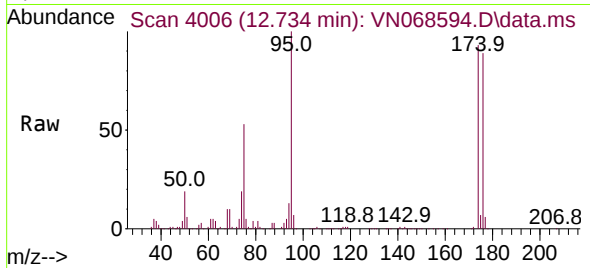




#62
4-Bromofluorobenzene
Concen: 52.348 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

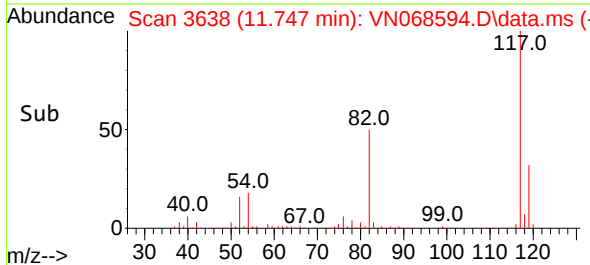
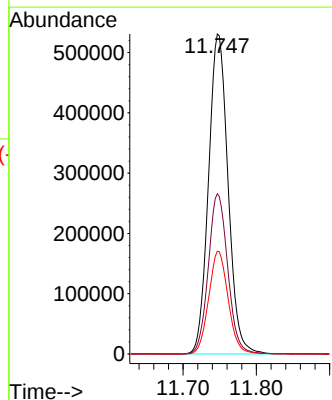
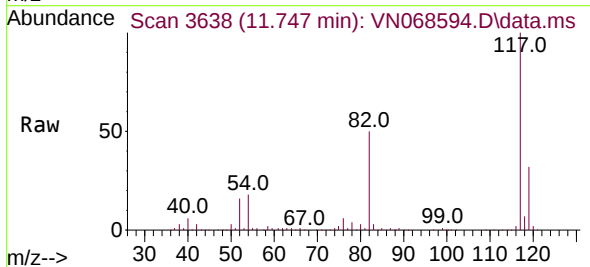
Instrument :
MSVOA_N
ClientSampleId :

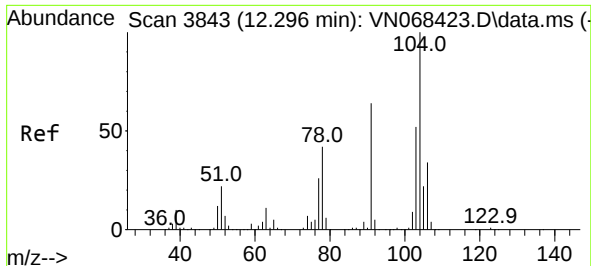
Tgt Ion: 95 Resp: 447470
Ion Ratio Lower Upper
95 100
174 94.0 0.0 214.0
176 90.3 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

Tgt Ion: 117 Resp: 982820
Ion Ratio Lower Upper
117 100
82 50.0 38.7 58.1
119 32.1 25.5 38.3

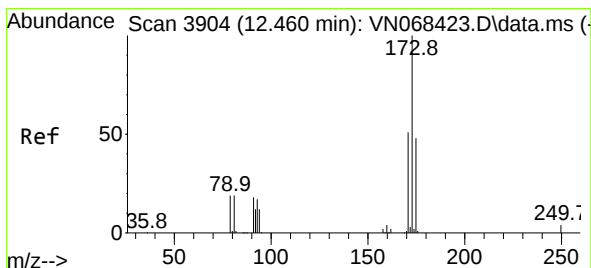
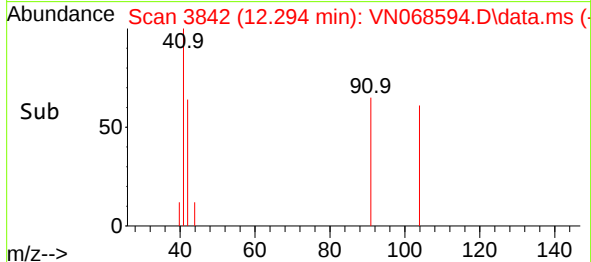
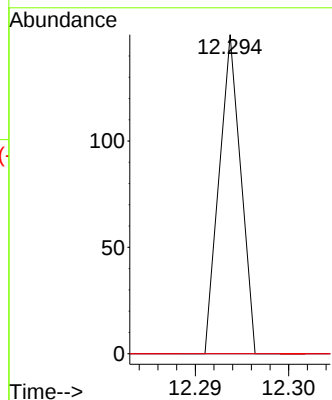
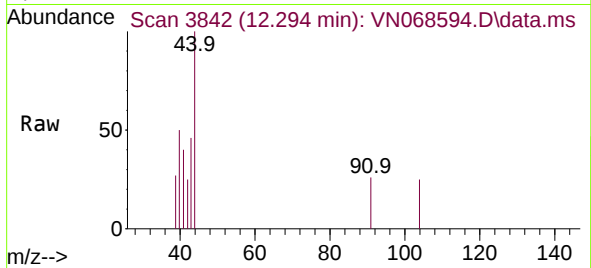




#70
Styrene
Concen: 1.755 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.002 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

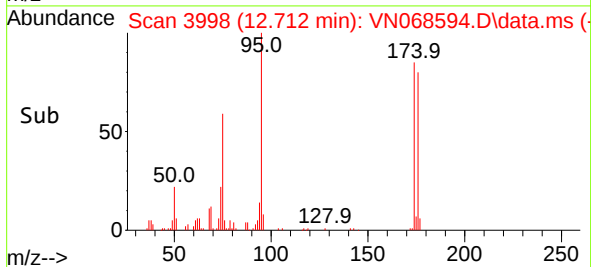
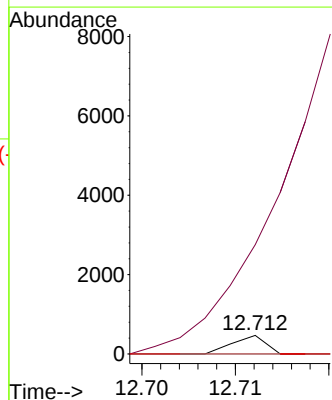
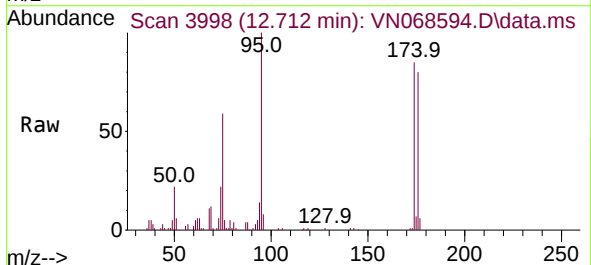
Instrument :
MSVOA_N
ClientSampled :

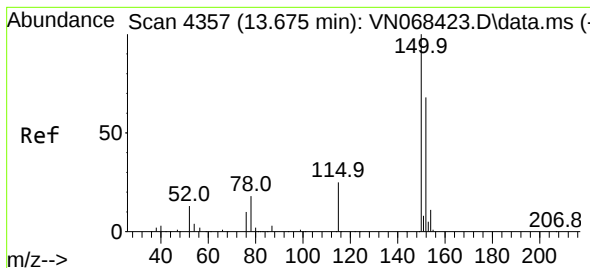
Tgt Ion:104 Resp: 24
Ion Ratio Lower Upper
104 100
78 0.0 36.2 54.2#
103 0.0 44.4 66.6#



#71
Bromoform
Concen: 2.541 ug/l
RT: 12.712 min Scan# 3998
Delta R.T. 0.252 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

Tgt Ion:173 Resp: 116
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
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. 0.003 min

Lab File: VN068594.D

Acq: 21 Sep 2021 20:13

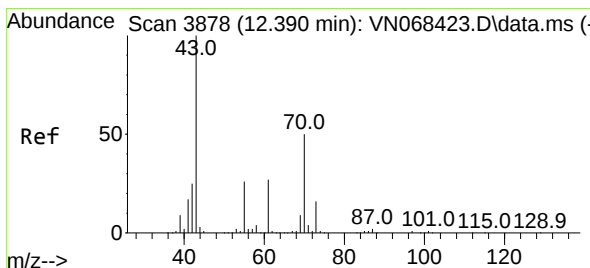
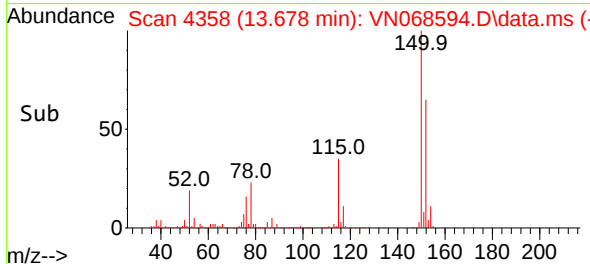
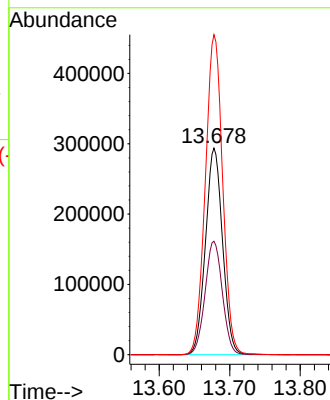
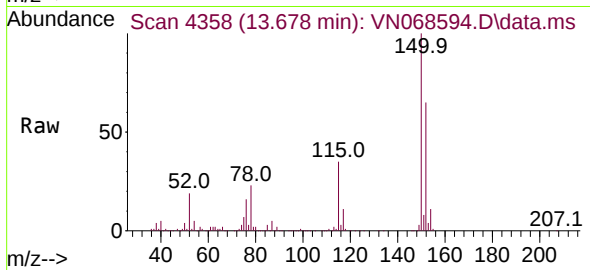
Tgt Ion:152 Resp: 494279

Ion Ratio Lower Upper

152 100

115 55.6 25.6 76.6

150 156.6 0.0 346.8



#74

N-ethyl acetate

Concen: 3.139 ug/l

RT: 12.200 min Scan# 3807

Delta R.T. -0.190 min

Lab File: VN068594.D

Acq: 21 Sep 2021 20:13

Tgt Ion: 43 Resp: 24618

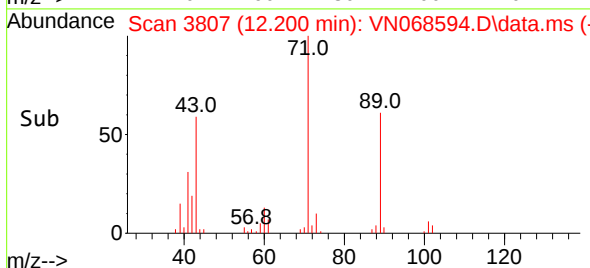
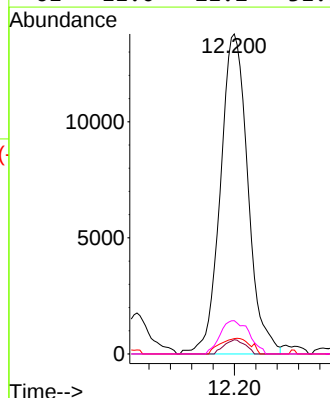
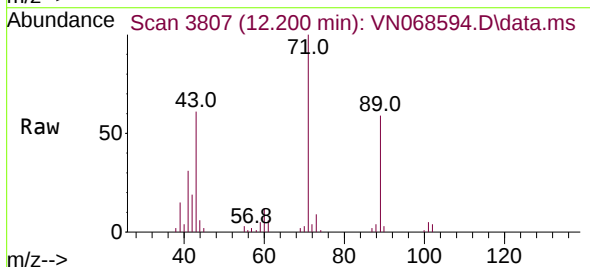
Ion Ratio Lower Upper

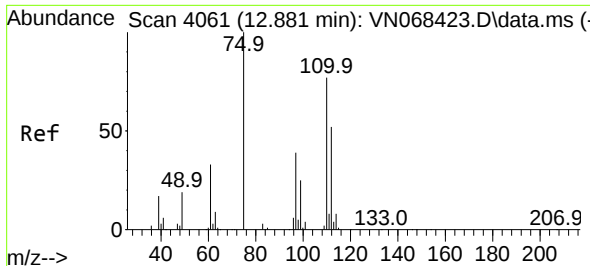
43 100

70 3.4 40.0 60.0#

55 5.3 21.1 31.7#

61 11.0 21.2 31.8#

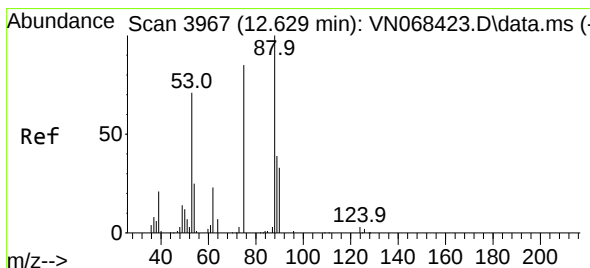
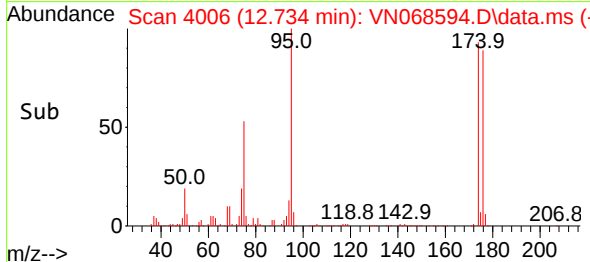
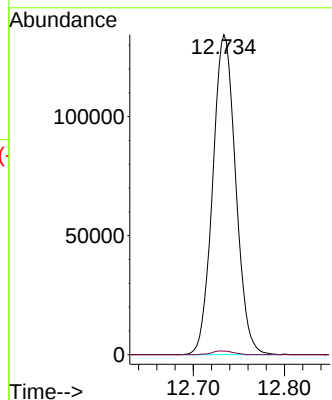
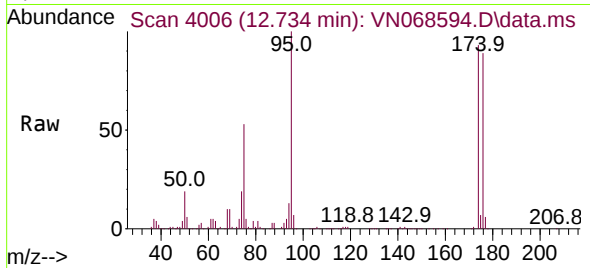




#76
1,2,3-Trichloropropane
Concen: 34.264 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

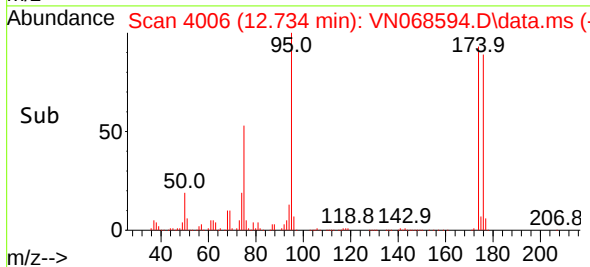
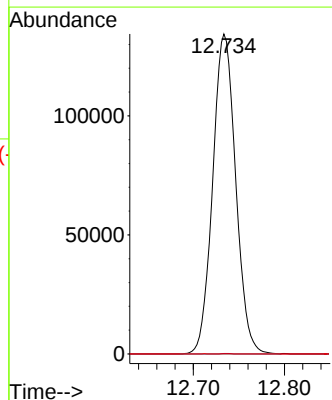
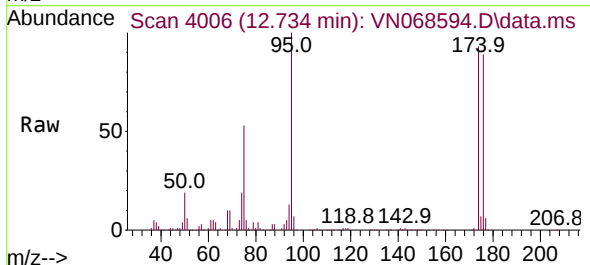
Instrument :
MSVOA_N
ClientSampled :

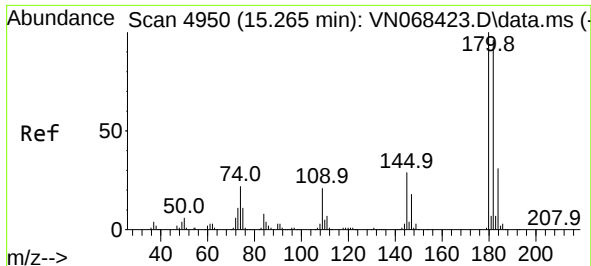
Tgt Ion: 75 Resp: 235245
Ion Ratio Lower Upper
75 100
77 1.1 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.477 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

Tgt Ion: 75 Resp: 235245
Ion Ratio Lower Upper
75 100
53 0.1 70.6 105.8#
89 0.0 39.5 59.3#

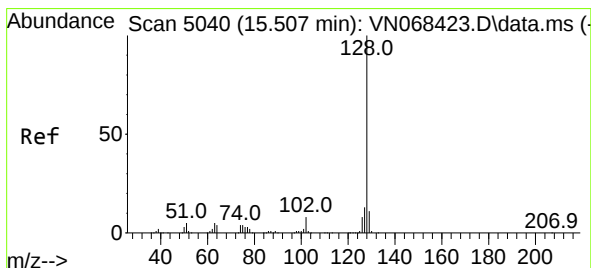
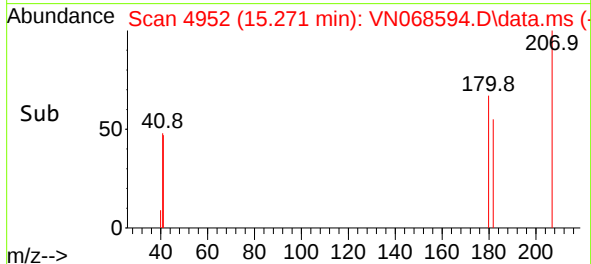
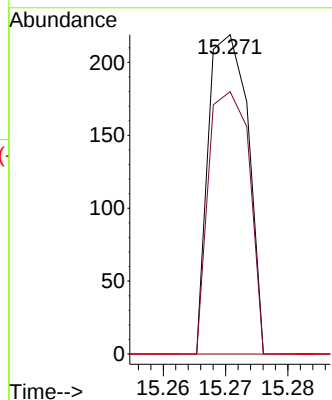
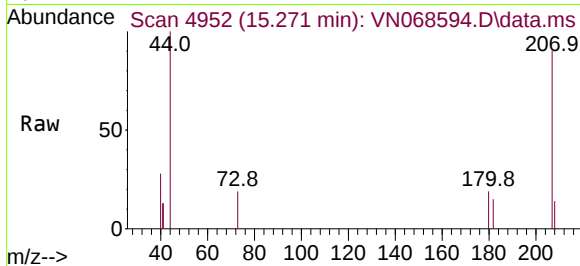




#93
1,2,4-Trichlorobenzene
Concen: 2.969 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

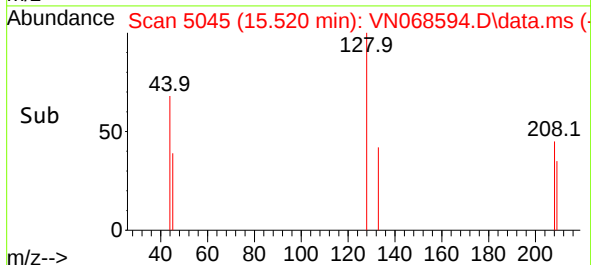
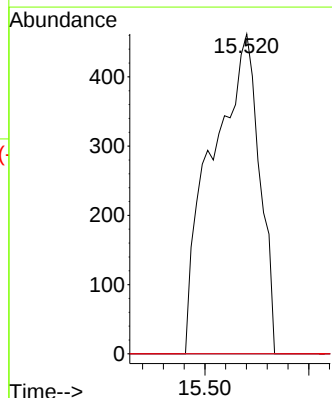
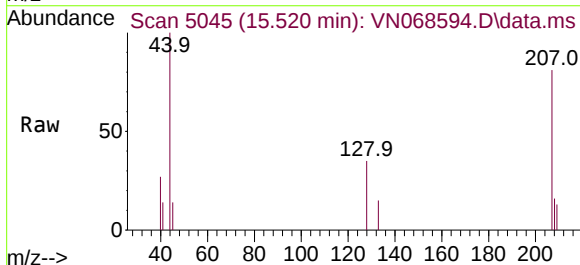
Instrument :
MSVOA_N
ClientSampled :

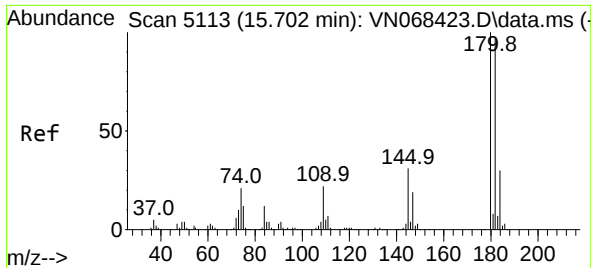
Tgt Ion:180	Resp:	97
Ion Ratio	Lower	Upper
180	100	
182	84.5	47.5 142.6
145	0.0	14.1 42.4#



#95
Naphthalene
Concen: 3.531 ug/l
RT: 15.520 min Scan# 5045
Delta R.T. 0.013 min
Lab File: VN068594.D
Acq: 21 Sep 2021 20:13

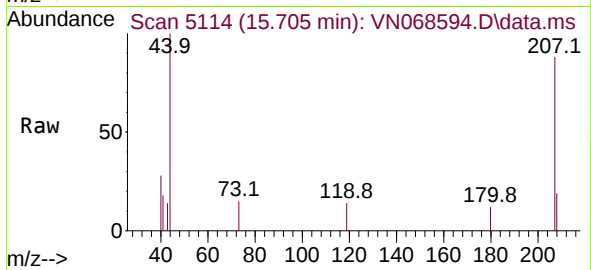
Tgt Ion:128	Resp:	730
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.6 15.8#
129	0.0	8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.977 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN068594.D
 Acq: 21 Sep 2021 20:13

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	24
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.6#
145	0.0	15.2	45.5#

