

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062221\
 Data File : VN067441.D
 Acq On : 22 Jun 2021 16:50
 Operator : JC/MD
 Sample : M2787-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41216

Quant Time: Jun 23 04:05:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

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

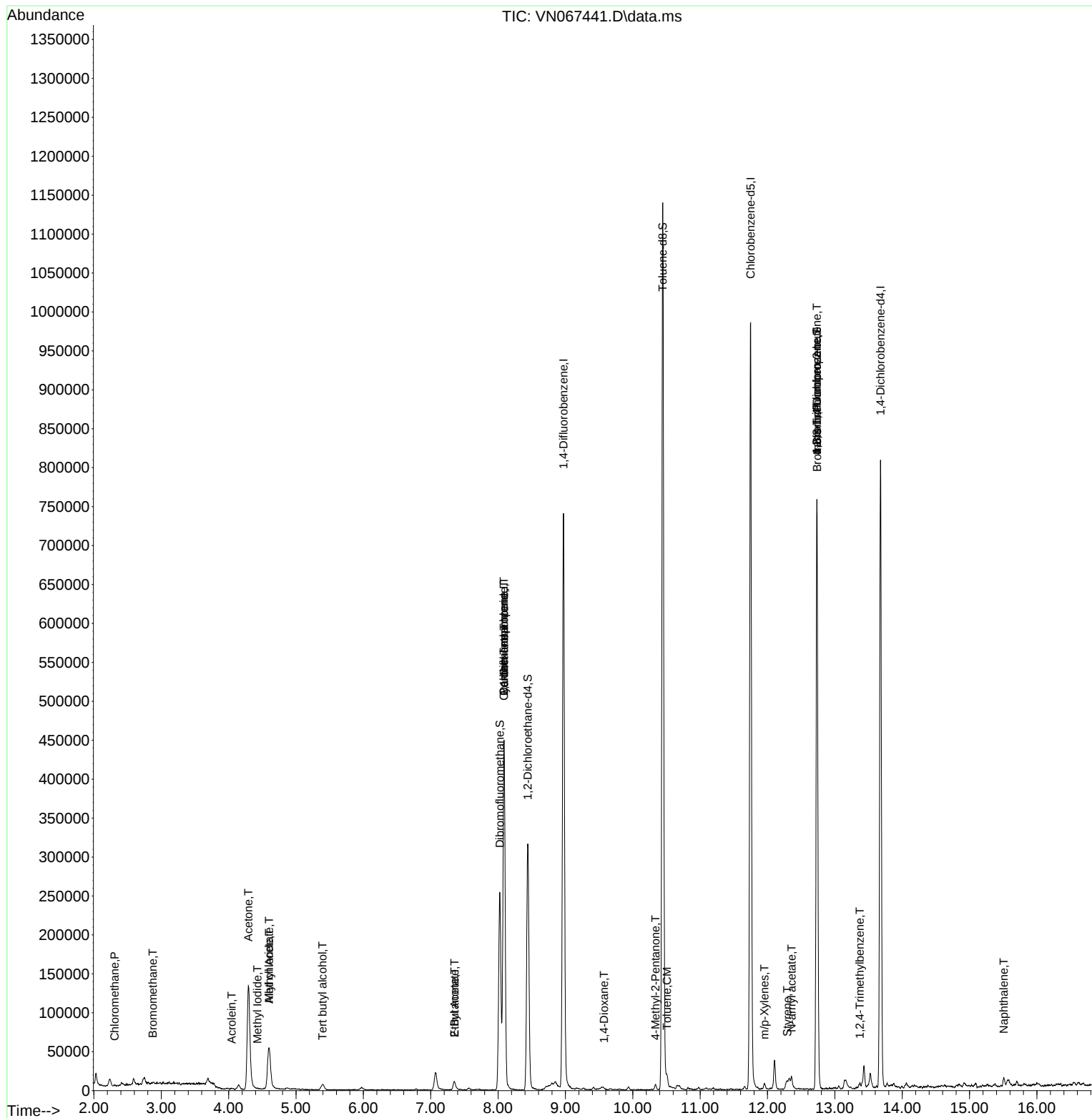
Internal Standards						
1) Pentafluorobenzene	8.088	168	288670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	607327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	534286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	187615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	261768	45.967	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.940%
35) Dibromofluoromethane	8.027	113	180088	44.585	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	89.180%
50) Toluene-d8	10.443	98	795967	51.414	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.820%
62) 4-Bromofluorobenzene	12.733	95	275789	43.166	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.340%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	1400	0.319	ug/l	98
5) Bromomethane	2.874	94	374	0.205	ug/l	91
10) Methyl Iodide	4.427	142	298	6.814	ug/l #	33
11) Tert butyl alcohol	5.393	59	13419	14.314	ug/l #	77
13) Acrolein	4.044	56	210	0.359	ug/l #	1
14) Allyl chloride	4.602	41	9935	1.293	ug/l #	80
16) Acetone	4.293	43	251127	114.915	ug/l	90
18) Methyl Acetate	4.599	43	22130	4.176	ug/l #	54
25) 2-Butanone	7.353	43	19191	6.146	ug/l	98
31) Cyclohexane	8.086	56	10033	1.296	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	33585	4.933	ug/l #	51
37) Ethyl Acetate	7.353	43	19191	2.660	ug/l #	69
38) Carbon Tetrachloride	8.088	117	35435	4.842	ug/l #	16
49) 1,4-Dioxane	9.571	88	188	2.327	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	4038	0.542	ug/l #	79
52) Toluene	10.507	92	3927	0.329	ug/l	94
68) m/p-Xylenes	11.956	106	2135	0.261	ug/l	99
70) Styrene	12.296	104	3272	0.246	ug/l	90
71) Bromoform	12.736	173	2238	0.676	ug/l #	1
74) N-amyl acetate	12.358	43	14736	1.677	ug/l #	47
76) 1,2,3-Trichloropropane	12.733	75	154937	31.801	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	154937	78.813	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.369	105	4040	0.270	ug/l	91
95) Naphthalene	15.507	128	8999	3.356	ug/l	98

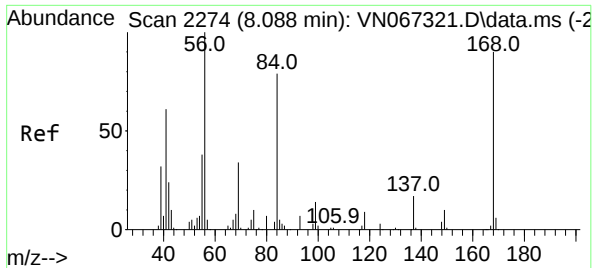
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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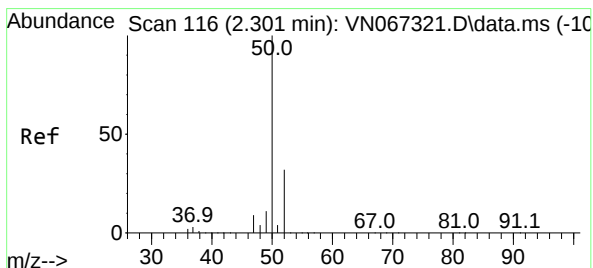
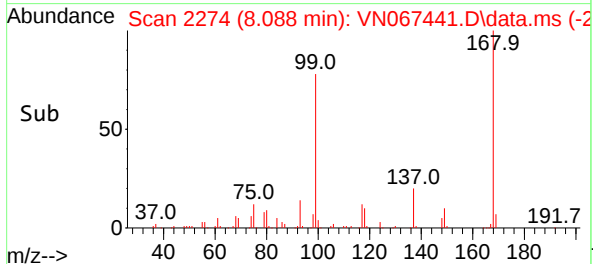
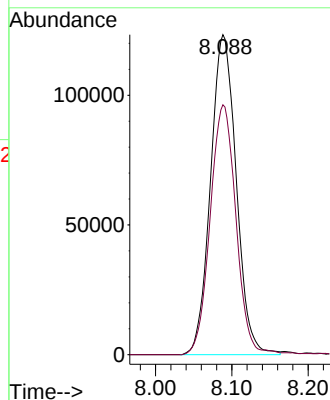
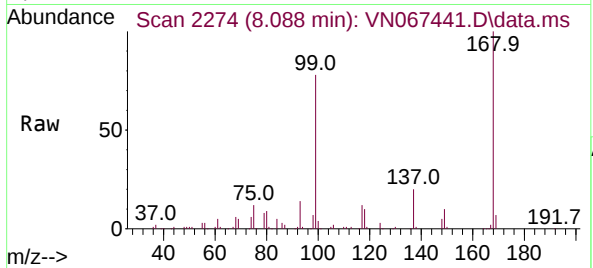




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

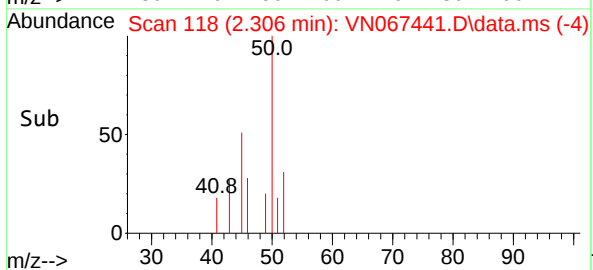
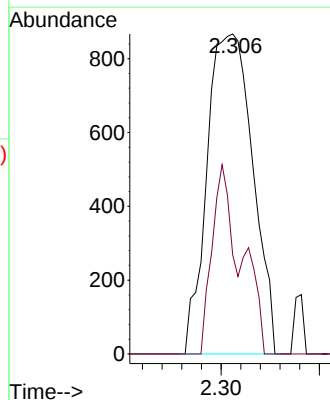
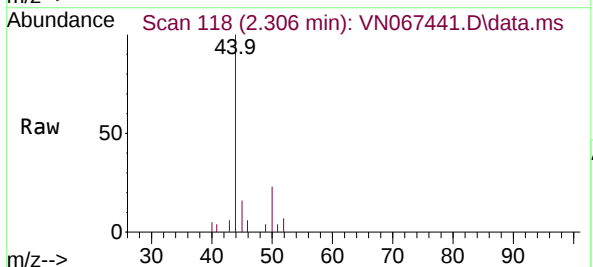
Instrument :
MSVOA_N
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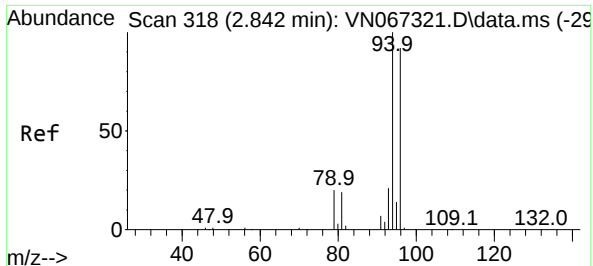
Tgt Ion:168 Resp: 288670
Ion Ratio Lower Upper
168 100
99 78.1 62.9 94.3



#3
Chloromethane
Concen: 0.319 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

Tgt Ion: 50 Resp: 1400
Ion Ratio Lower Upper
50 100
52 31.0 25.6 38.4

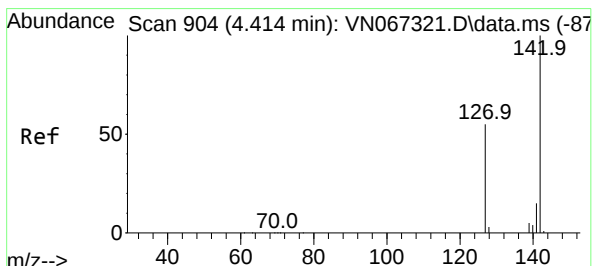
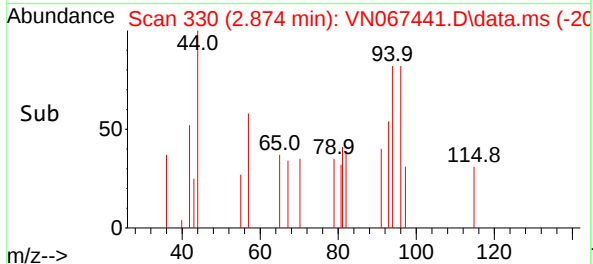
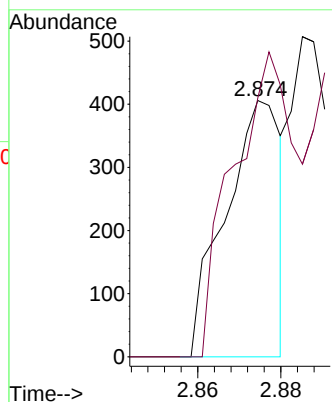
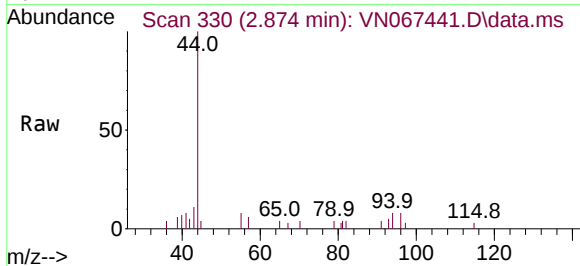




#5
Bromomethane
Concen: 0.205 ug/l
RT: 2.874 min Scan# 330
Delta R.T. 0.032 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

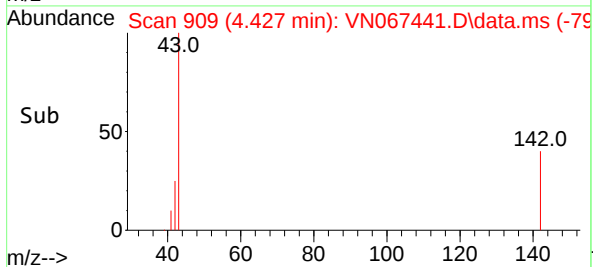
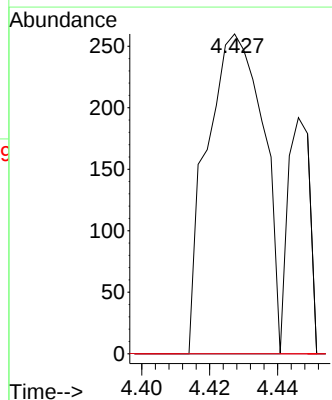
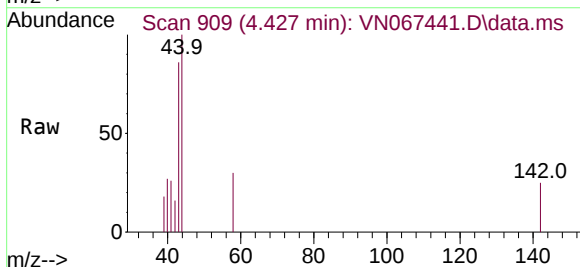
Instrument :
MSVOA_N
ClientSampleId :
41216

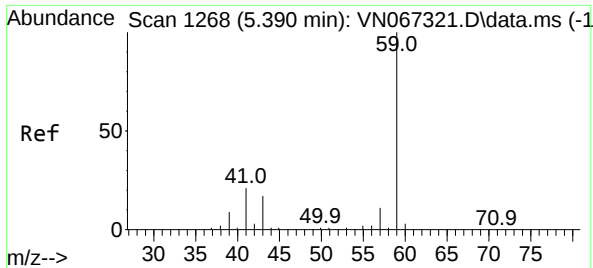
Tgt Ion: 94 Resp: 374
Ion Ratio Lower Upper
94 100
96 101.0 73.7 110.5



#10
Methyl Iodide
Concen: 6.814 ug/l
RT: 4.427 min Scan# 909
Delta R.T. 0.013 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

Tgt Ion: 142 Resp: 298
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

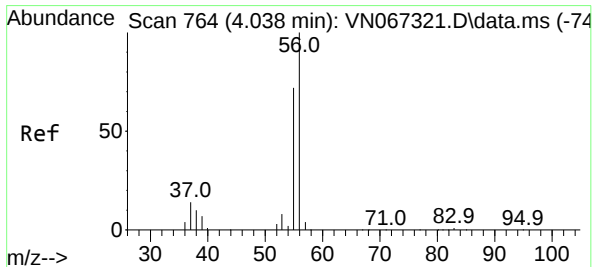
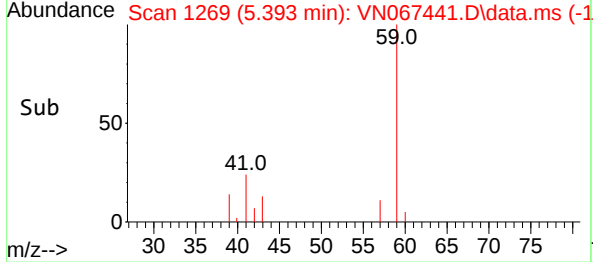
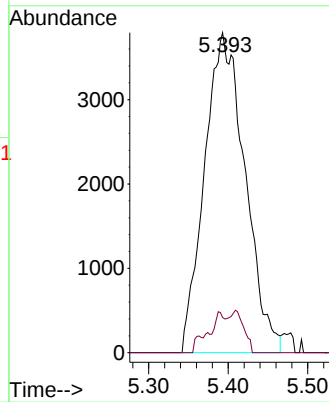
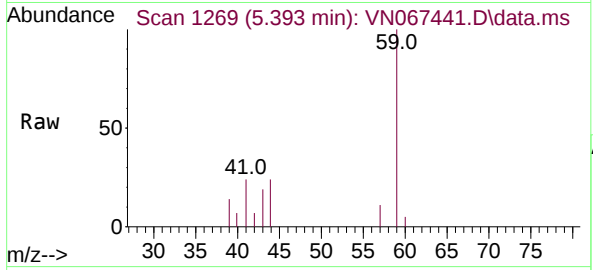




#11
Tert butyl alcohol
Concen: 14.314 ug/l
RT: 5.393 min Scan# 1269
Delta R.T. 0.003 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

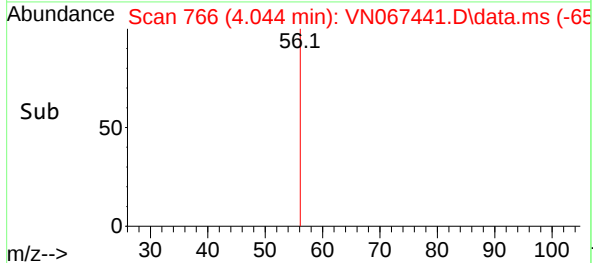
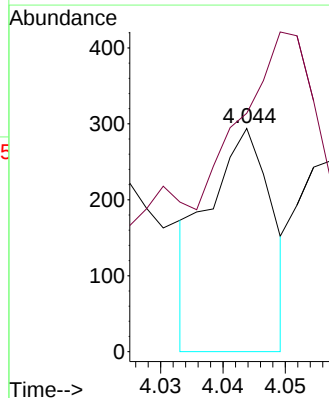
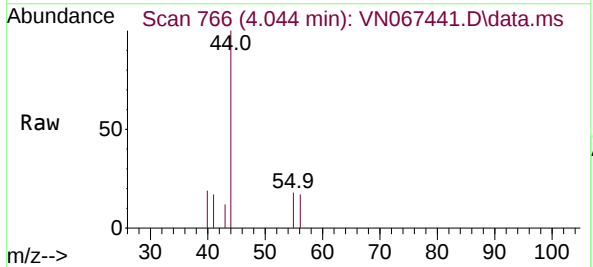
Instrument :
MSVOA_N
ClientSampled :
41216

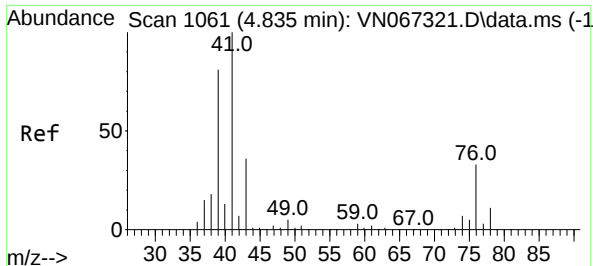
Tgt Ion: 59 Resp: 13419
Ion Ratio Lower Upper
59 100
57 2.0 8.7 13.1#



#13
Acrolein
Concen: 0.359 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.006 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

Tgt Ion: 56 Resp: 210
Ion Ratio Lower Upper
56 100
55 214.8 57.4 86.0#





#14

Allyl chloride

Concen: 1.293 ug/l

RT: 4.602 min Scan# 974

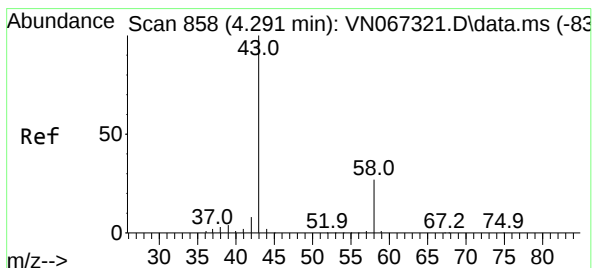
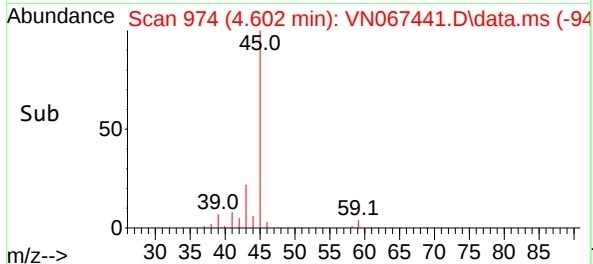
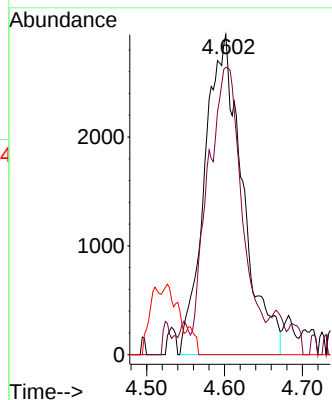
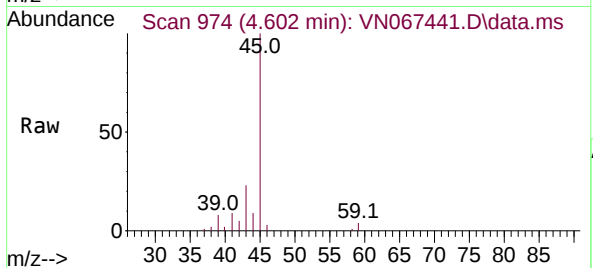
Delta R.T. -0.233 min

Lab File: VN067441.D

Acq: 22 Jun 2021 16:50

Instrument :
MSVOA_N
ClientSampleId :
41216

Tgt Ion: 41	Resp: 9935
Ion Ratio	Lower Upper
41 100	
39 70.7	60.9 91.3
76 0.0	24.3 36.5#



#16

Acetone

Concen: 114.915 ug/l

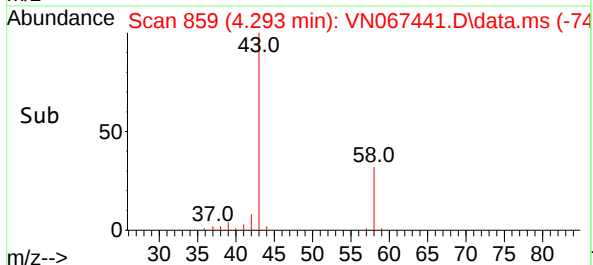
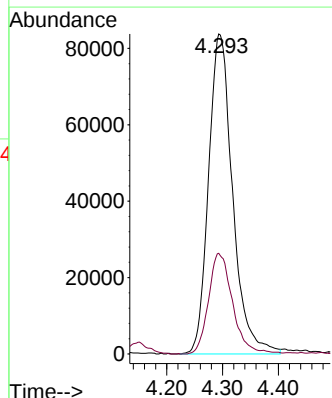
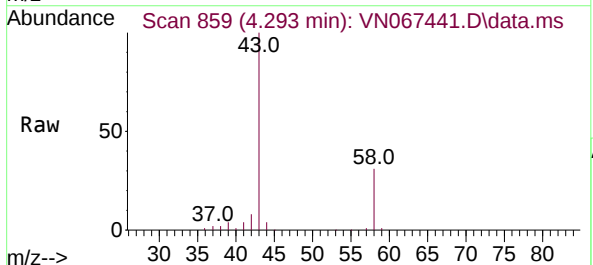
RT: 4.293 min Scan# 859

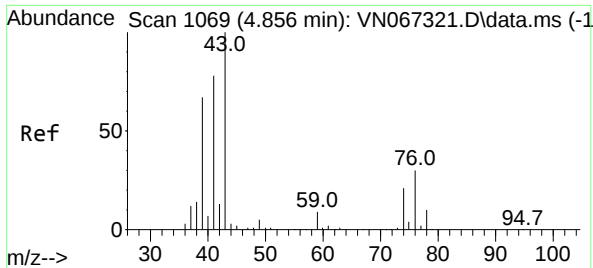
Delta R.T. 0.002 min

Lab File: VN067441.D

Acq: 22 Jun 2021 16:50

Tgt Ion: 43	Resp: 251127
Ion Ratio	Lower Upper
43 100	
58 31.5	21.2 31.8

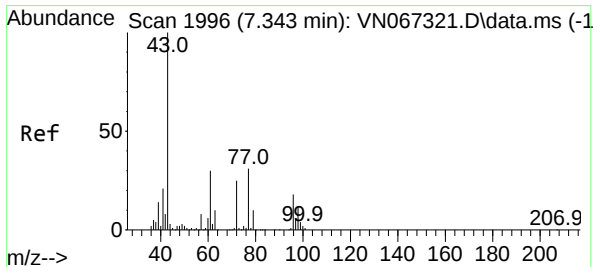
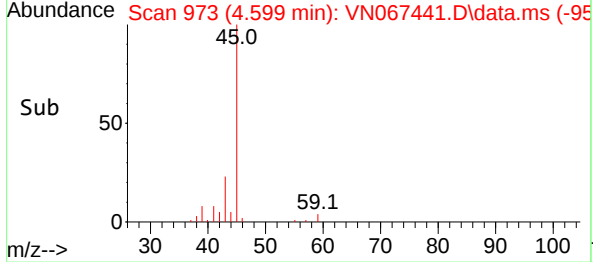
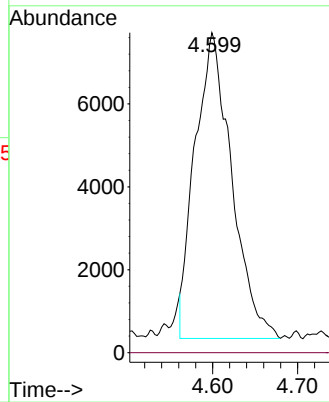
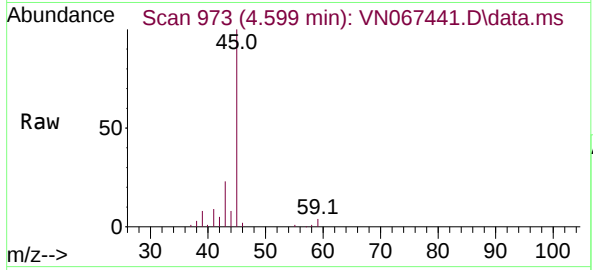




#18
Methyl Acetate
Concen: 4.176 ug/l
RT: 4.599 min Scan# 973
Delta R.T. -0.257 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

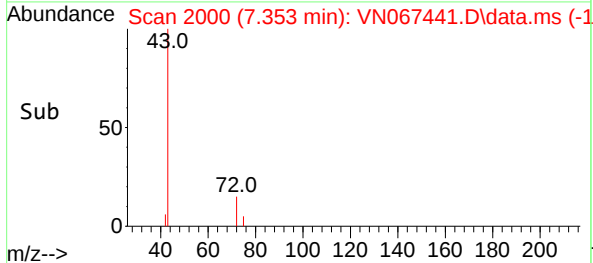
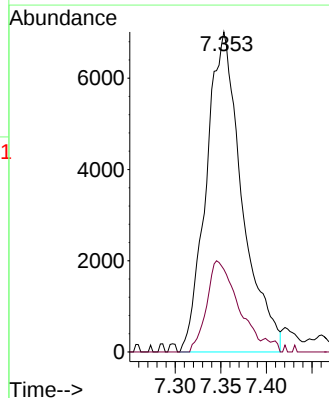
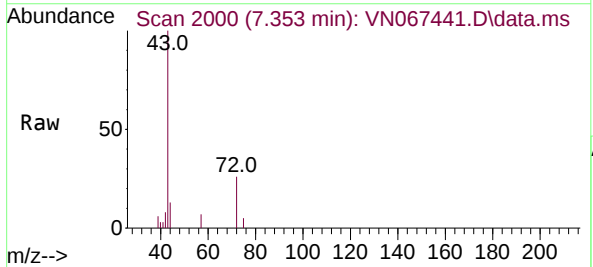
Instrument :
MSVOA_N
ClientSampleId :
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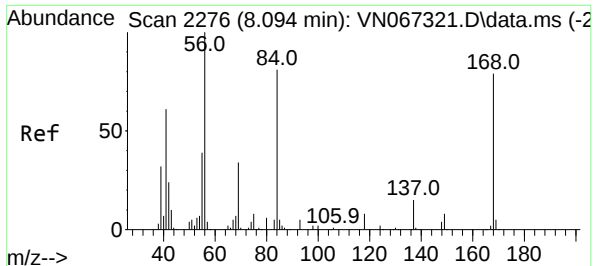
Tgt Ion: 43 Resp: 22130
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#25
2-Butanone
Concen: 6.146 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.010 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

Tgt Ion: 43 Resp: 19191
Ion Ratio Lower Upper
43 100
72 25.8 19.7 29.5

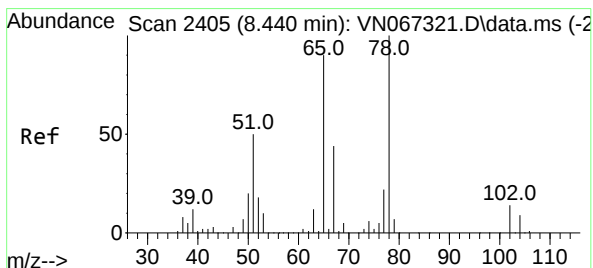
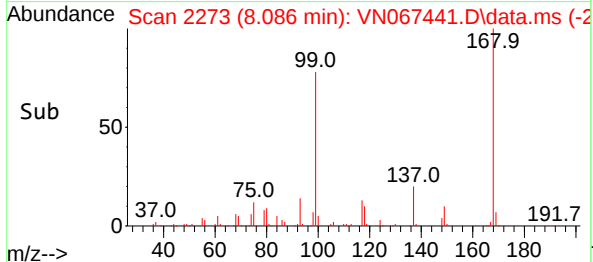
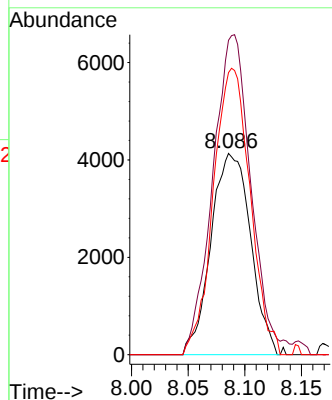
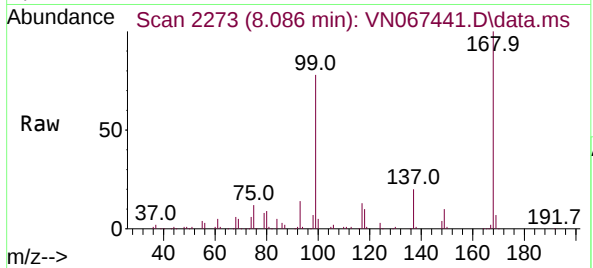




#31
Cyclohexane
Concen: 1.296 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

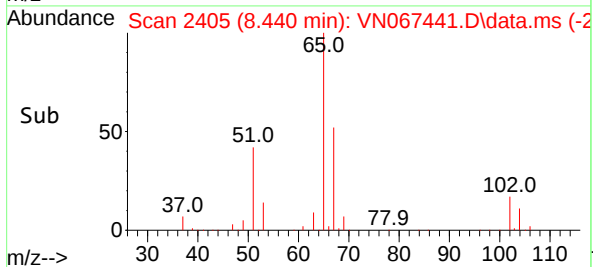
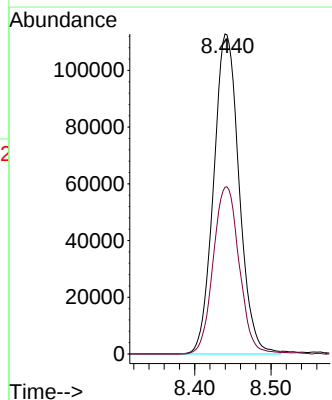
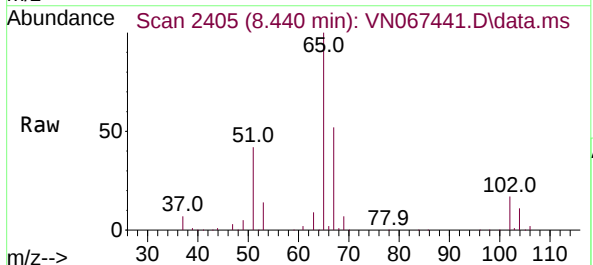
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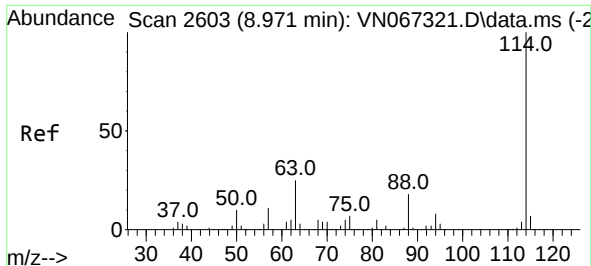
Tgt Ion: 56 Resp: 10033
Ion Ratio Lower Upper
56 100
69 156.2 27.3 40.9#
84 140.1 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 45.967 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

Tgt Ion: 65 Resp: 261768
Ion Ratio Lower Upper
65 100
67 53.3 0.0 98.6

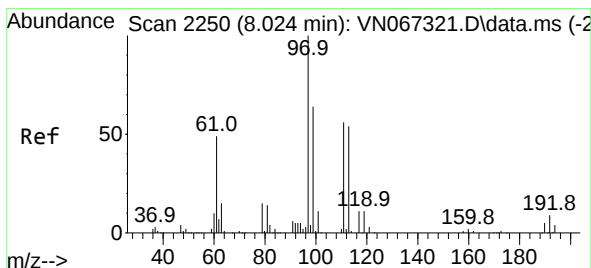
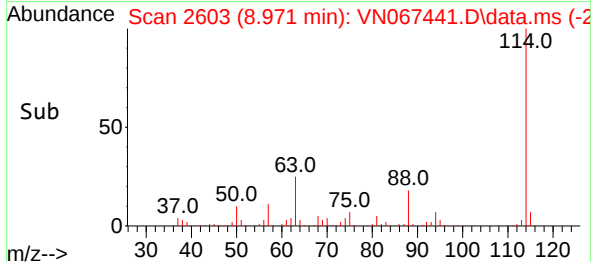
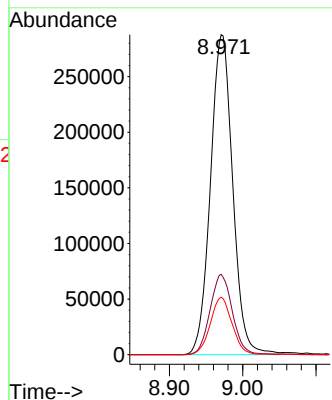
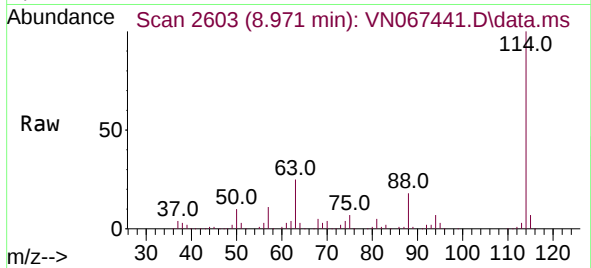




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

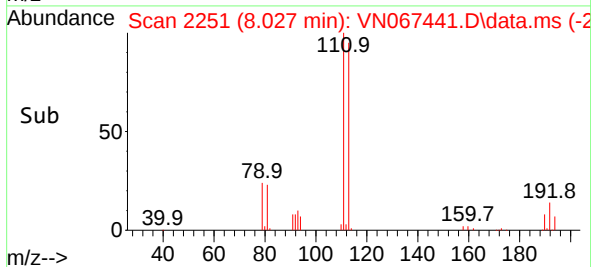
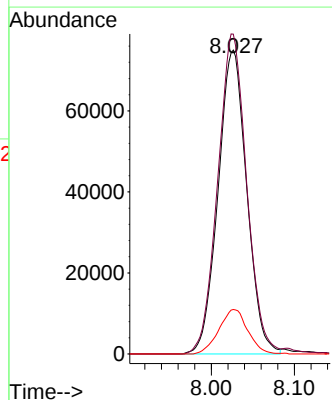
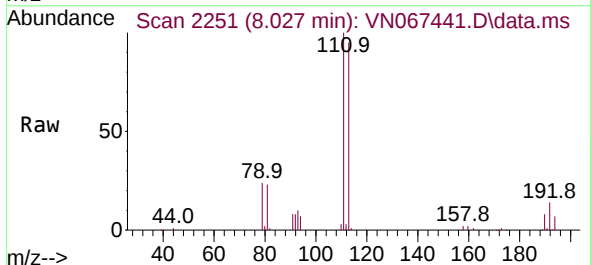
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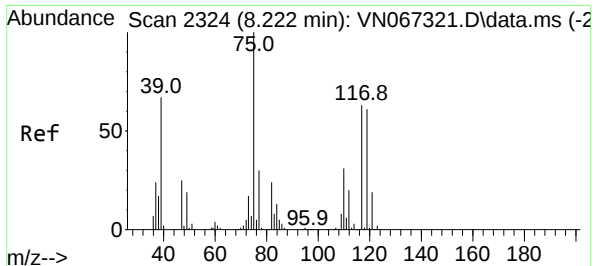
Tgt Ion:114 Resp: 607327
Ion Ratio Lower Upper
114 100
63 25.1 0.0 49.0
88 18.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.585 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

Tgt Ion:113 Resp: 180088
Ion Ratio Lower Upper
113 100
111 106.1 83.8 125.8
192 14.7 13.4 20.0

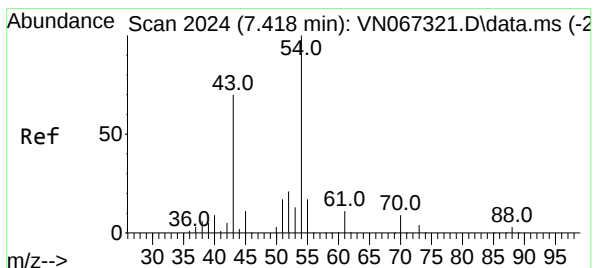
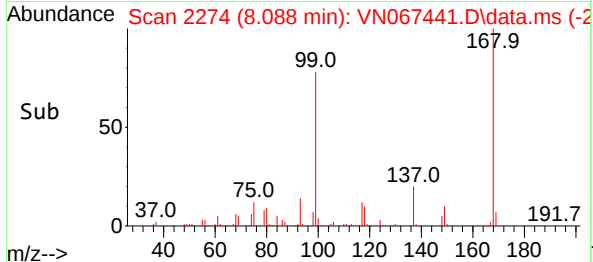
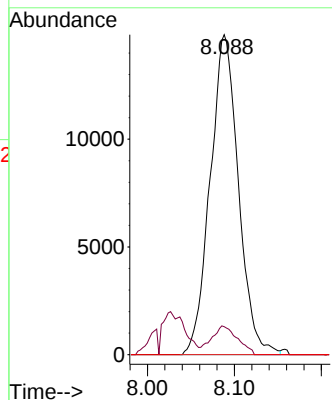
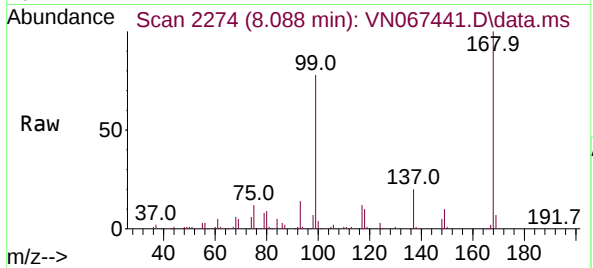




#36
 1,1-Dichloropropene
 Concen: 4.933 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.134 min
 Lab File: VN067441.D
 Acq: 22 Jun 2021 16:50

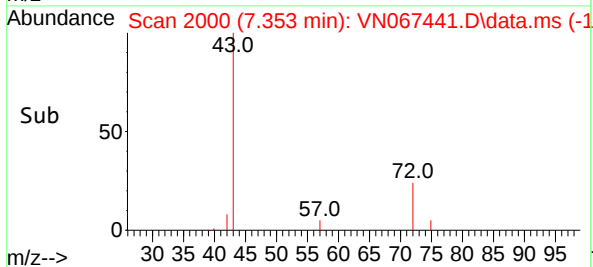
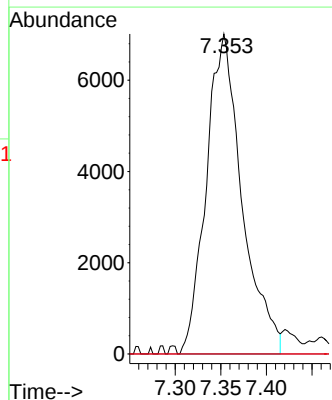
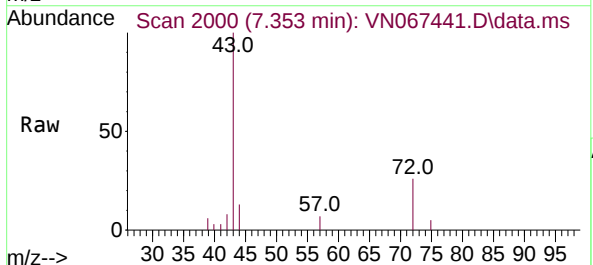
Instrument :
 MSVOA_N
 ClientSampled :
 41216

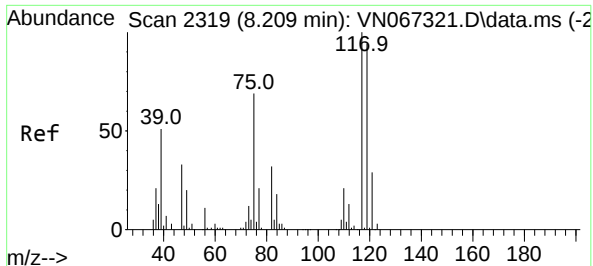
Tgt Ion: 75 Resp: 33585
 Ion Ratio Lower Upper
 75 100
 110 8.2 15.7 47.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 2.660 ug/l
 RT: 7.353 min Scan# 2000
 Delta R.T. -0.065 min
 Lab File: VN067441.D
 Acq: 22 Jun 2021 16:50

Tgt Ion: 43 Resp: 19191
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 16.0#
 70 0.0 8.1 12.1#

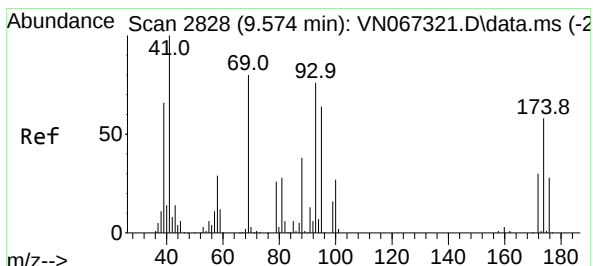
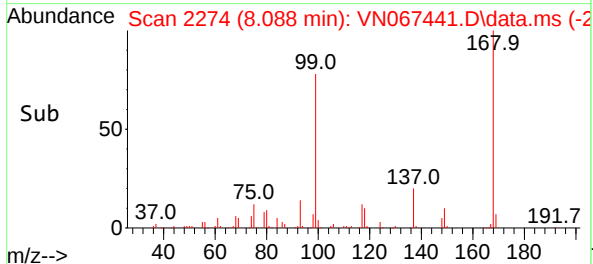
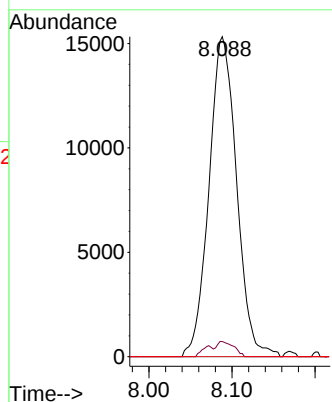
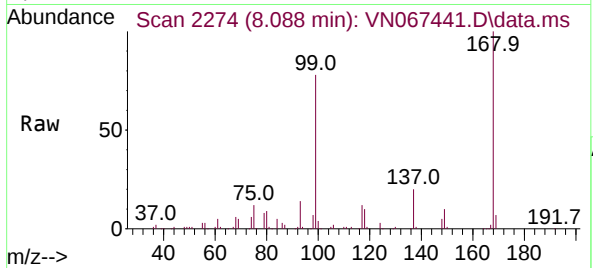




#38
Carbon Tetrachloride
Concen: 4.842 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

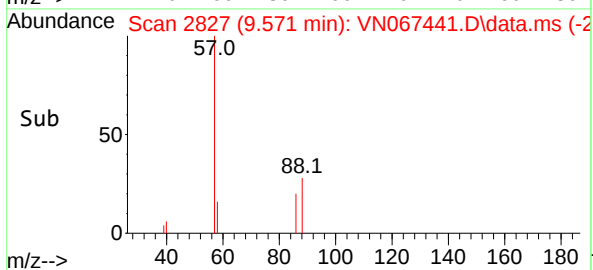
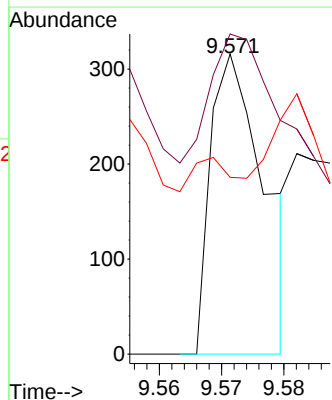
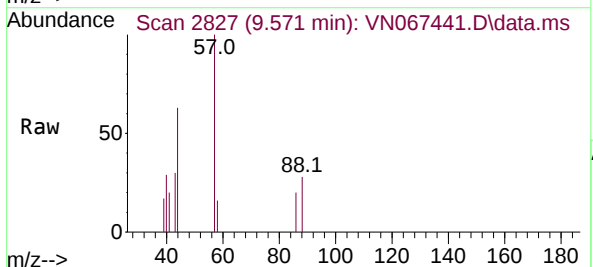
Instrument :
MSVOA_N
ClientSampleId :
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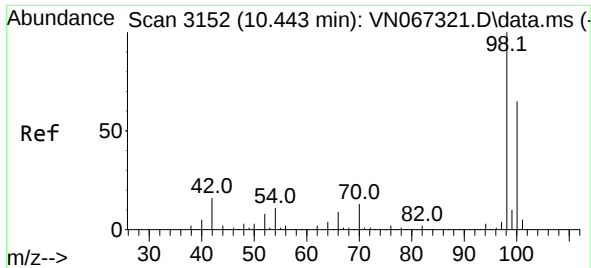
Tgt Ion:117 Resp: 35435
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.2#
121 0.0 23.5 35.3#



#49
1,4-Dioxane
Concen: 2.327 ug/l
RT: 9.571 min Scan# 2827
Delta R.T. -0.003 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

Tgt Ion: 88 Resp: 188
Ion Ratio Lower Upper
88 100
43 231.4 28.8 43.2#
58 0.0 60.4 90.6#

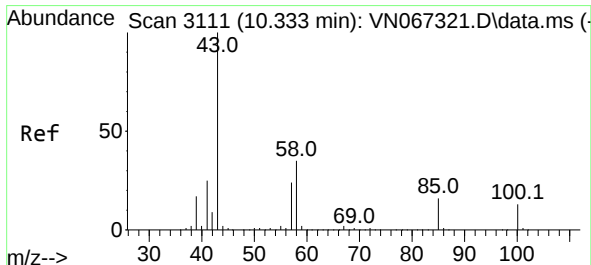
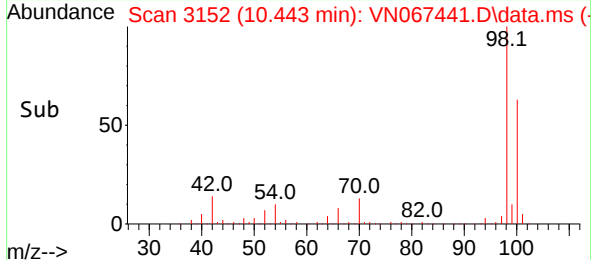
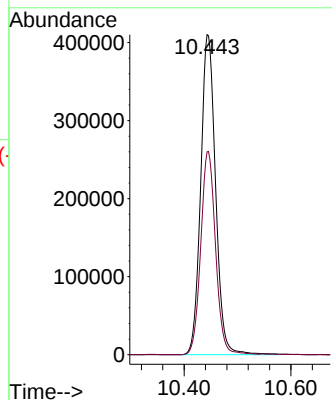
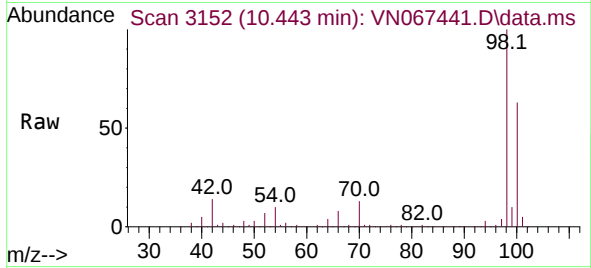




#50
Toluene-d8
Concen: 51.414 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

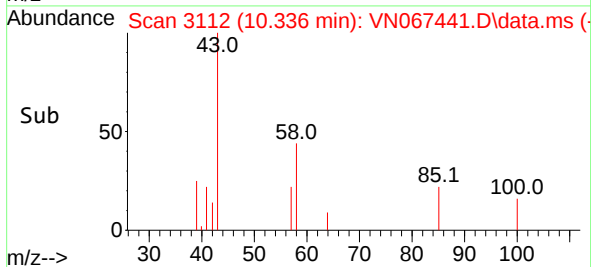
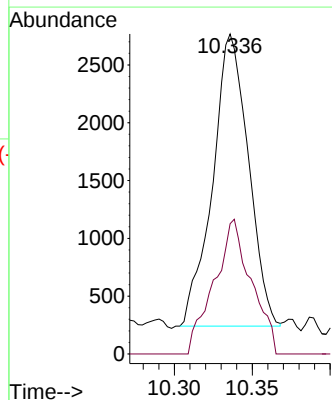
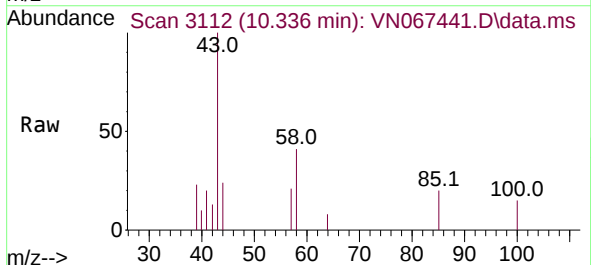
Instrument :
MSVOA_N
ClientSampled :
41216

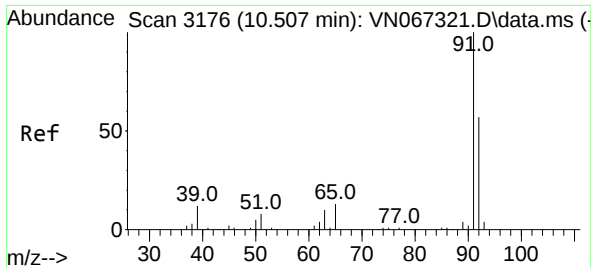
Tgt Ion: 98 Resp: 795967
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.542 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

Tgt Ion: 43 Resp: 4038
Ion Ratio Lower Upper
43 100
58 47.8 28.6 43.0#

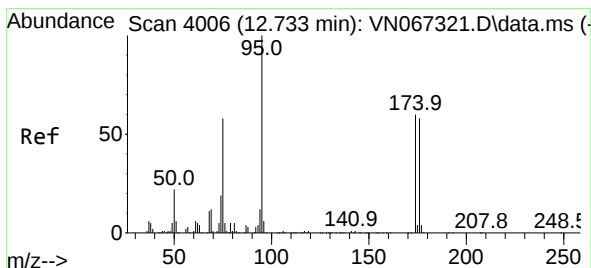
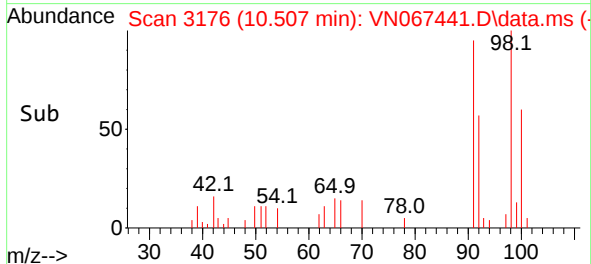
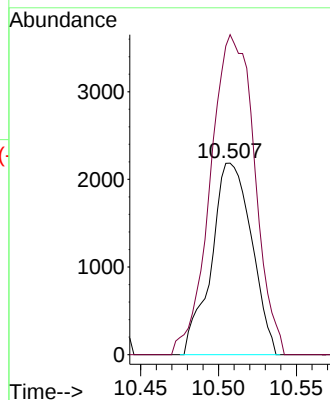
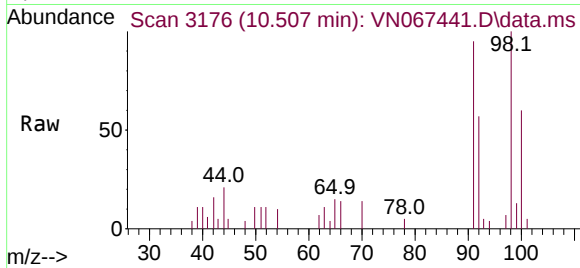




#52
Toluene
Concen: 0.329 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

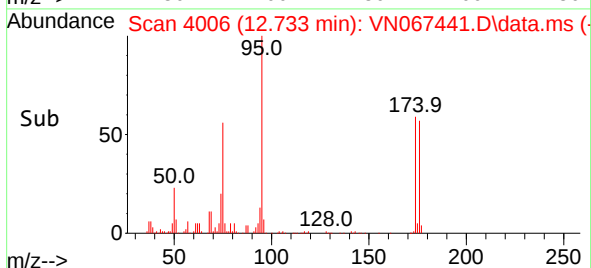
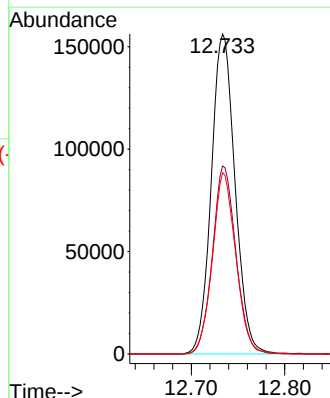
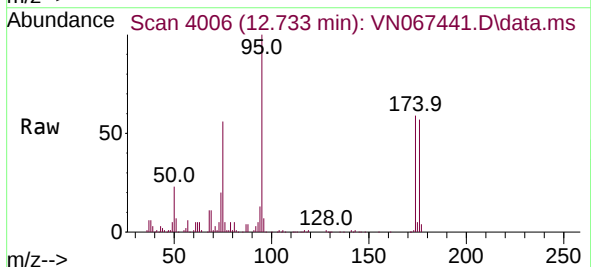
Instrument :
MSVOA_N
ClientSampleId :
41216

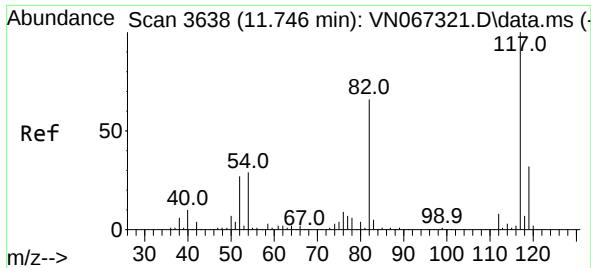
Tgt Ion: 92 Resp: 3927
Ion Ratio Lower Upper
92 100
91 183.3 139.6 209.4



#62
4-Bromofluorobenzene
Concen: 43.166 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

Tgt Ion: 95 Resp: 275789
Ion Ratio Lower Upper
95 100
174 58.0 0.0 122.0
176 55.9 0.0 117.6

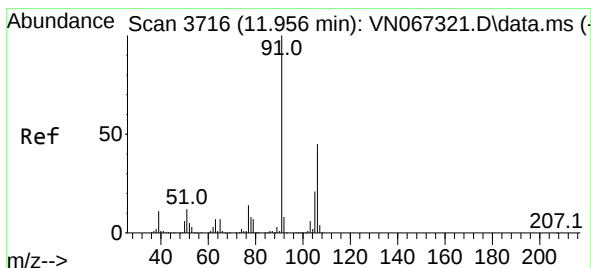
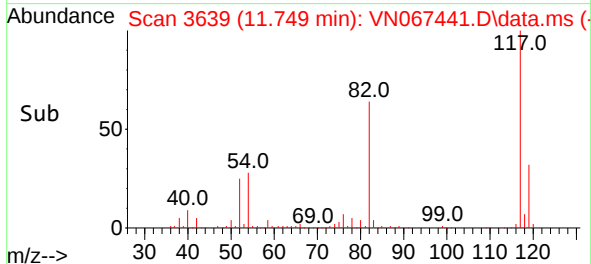
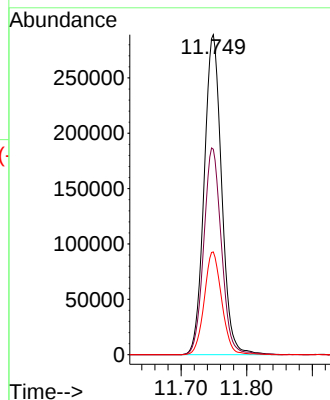
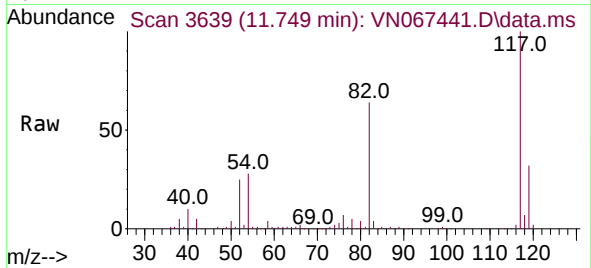




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

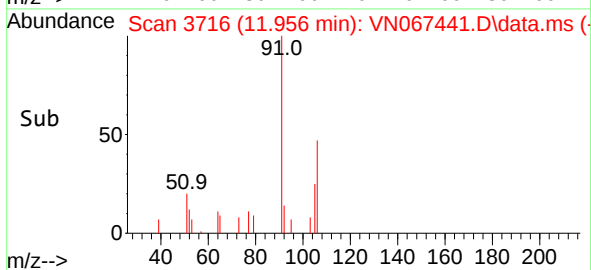
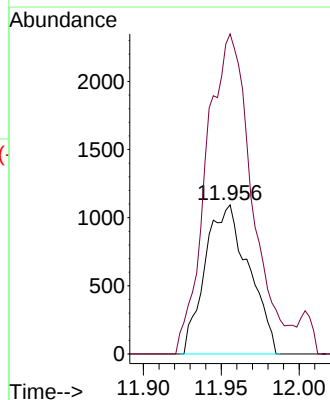
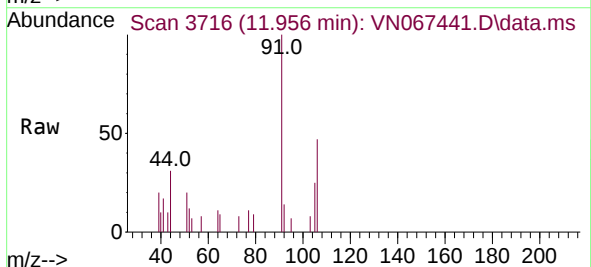
Instrument :
MSVOA_N
ClientSampleId :
41216

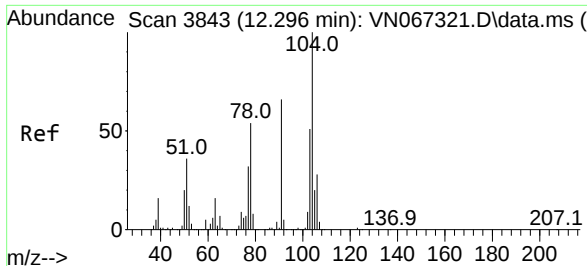
Tgt Ion:117 Resp: 534286
Ion Ratio Lower Upper
117 100
82 64.2 53.1 79.7
119 32.1 25.5 38.3



#68
m/p-Xylenes
Concen: 0.261 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.000 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

Tgt Ion:106 Resp: 2135
Ion Ratio Lower Upper
106 100
91 223.5 180.6 270.8

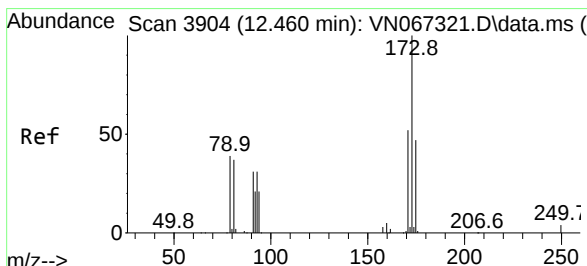
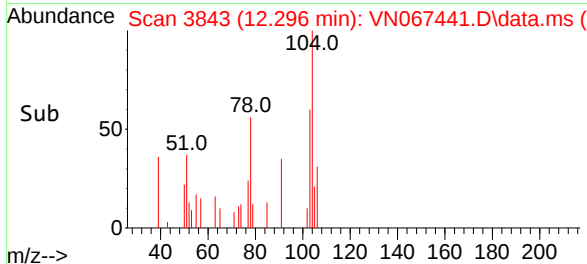
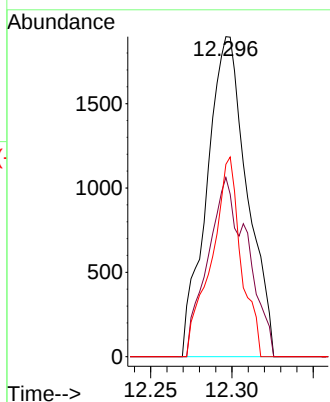
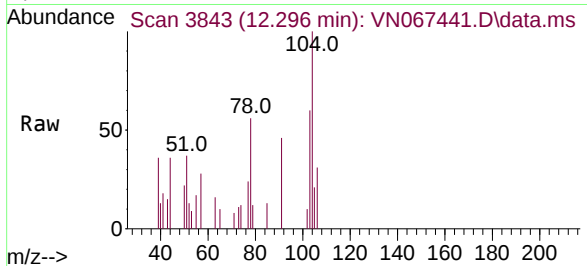




#70
Styrene
Concen: 0.246 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

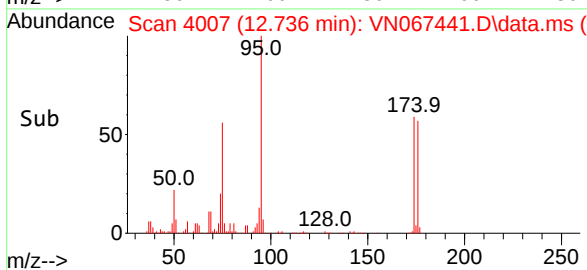
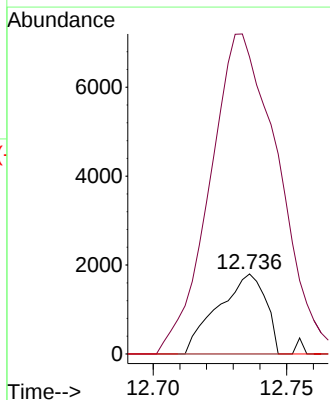
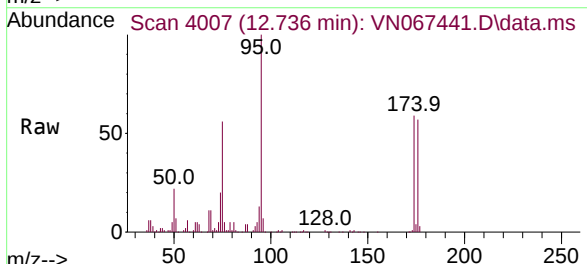
Instrument :
MSVOA_N
ClientSampleId :
41216

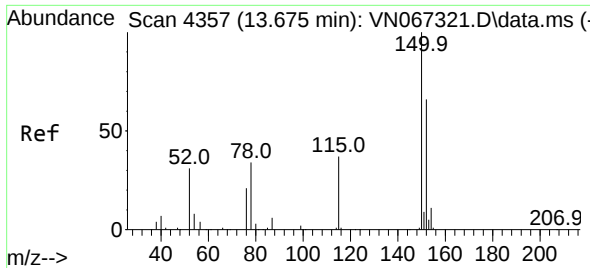
Tgt Ion:	104	Resp:	3272
Ion Ratio	Lower	Upper	
104	100		
78	55.1	48.2	72.2
103	45.7	44.5	66.7



#71
Bromoform
Concen: 0.676 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

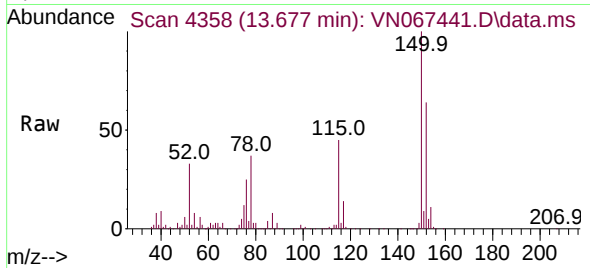
Tgt Ion:	173	Resp:	2238
Ion Ratio	Lower	Upper	
173	100		
175	521.7	23.9	71.8#
254	0.0	0.0	0.0



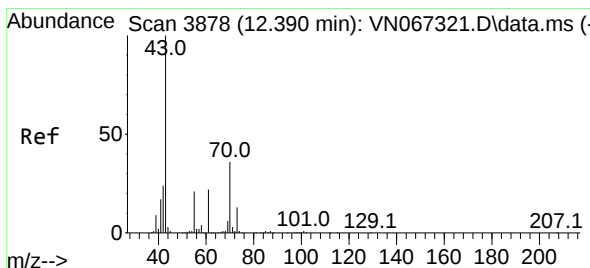
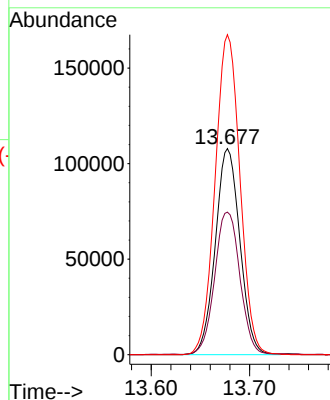
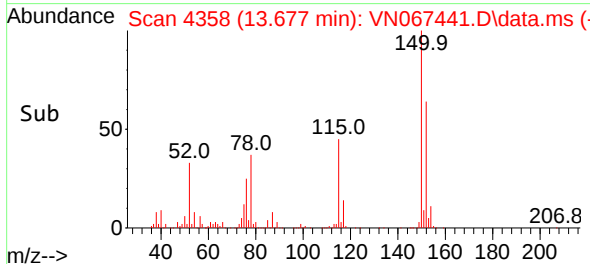


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

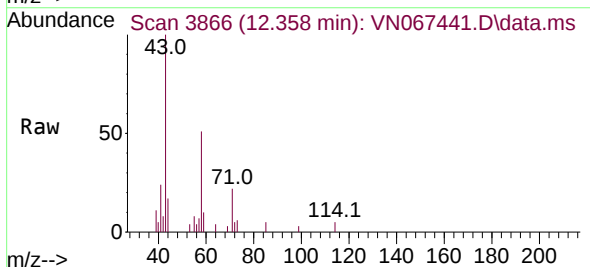
Instrument :
MSVOA_N
ClientSampleId :
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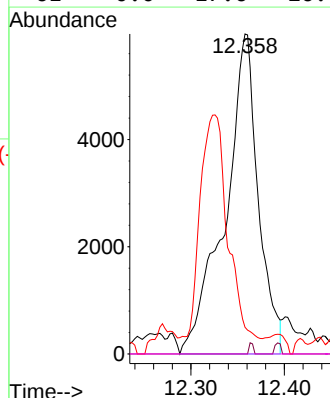
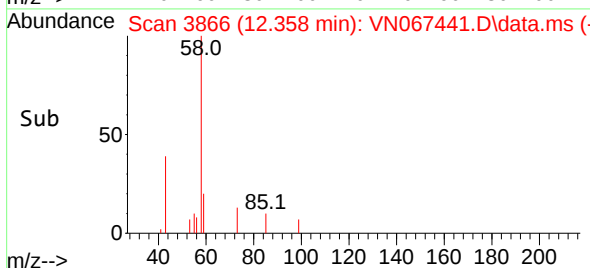
Tgt Ion:152 Resp: 187615
Ion Ratio Lower Upper
152 100
115 70.7 36.1 108.5
150 156.9 0.0 351.8

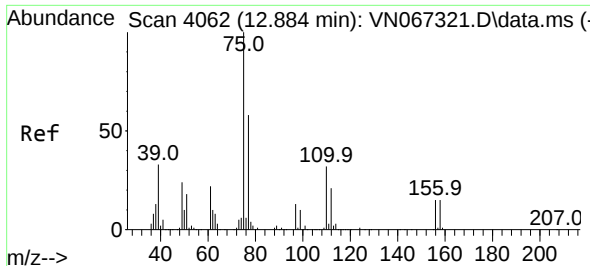


#74
N-ethyl acetate
Concen: 1.677 ug/l
RT: 12.358 min Scan# 3866
Delta R.T. -0.032 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50



Tgt Ion: 43 Resp: 14736
Ion Ratio Lower Upper
43 100
70 0.4 29.4 44.2#
55 0.0 17.0 25.4#
61 0.0 17.6 26.4#

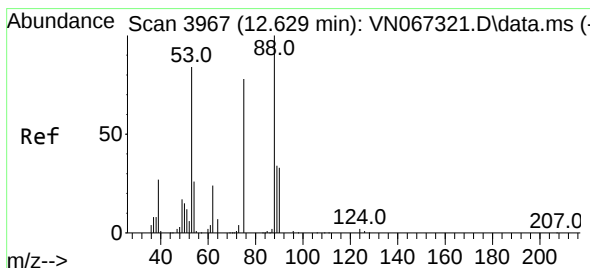
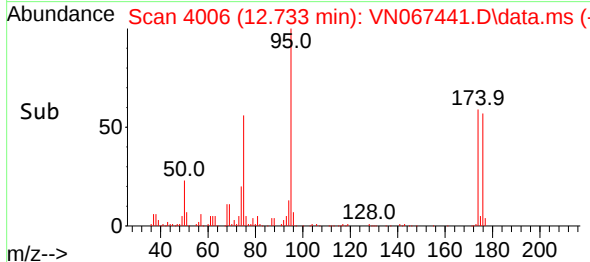
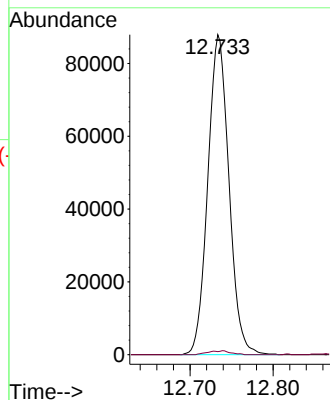
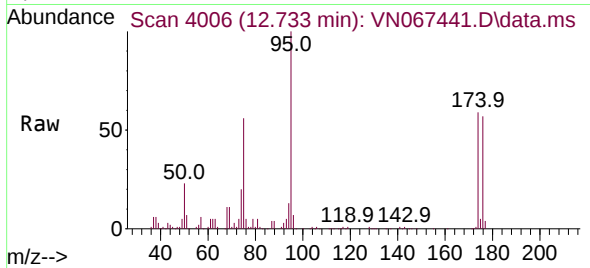




#76
1,2,3-Trichloropropane
Concen: 31.801 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

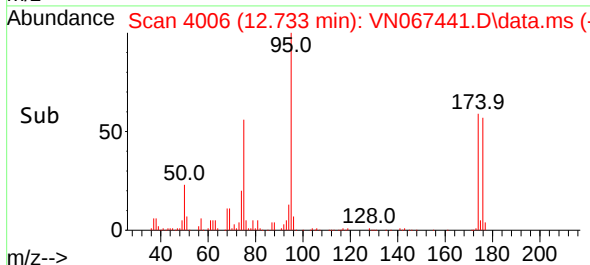
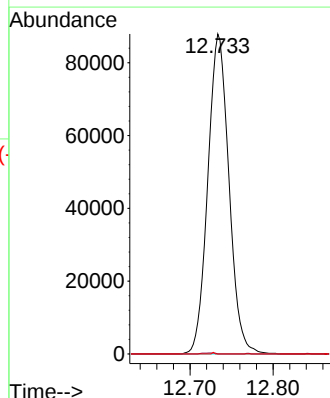
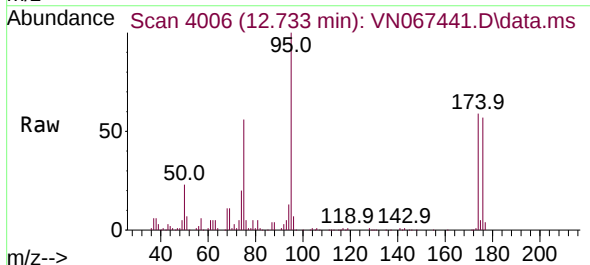
Instrument :
MSVOA_N
ClientSampleId :
41216

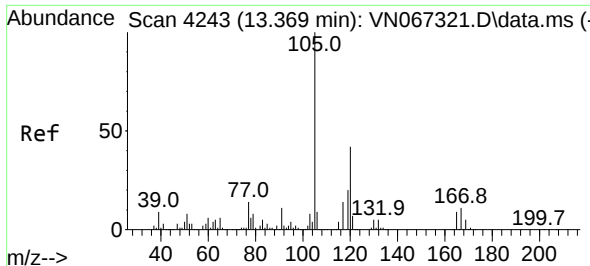
Tgt Ion: 75 Resp: 154937
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.813 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

Tgt Ion: 75 Resp: 154937
Ion Ratio Lower Upper
75 100
53 0.2 87.6 131.4#
89 0.0 37.8 56.8#

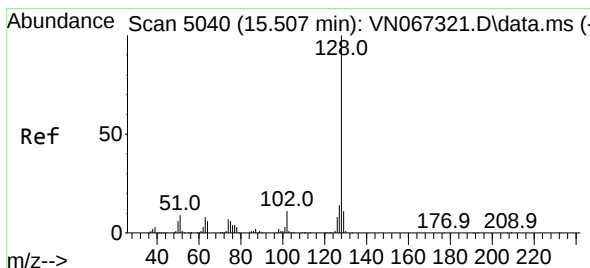
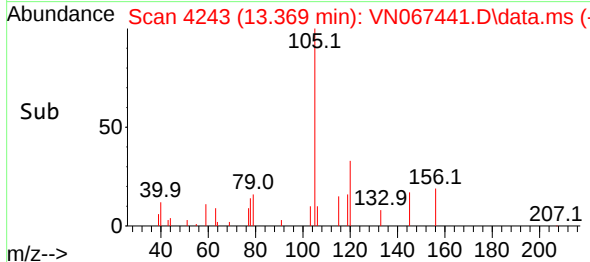
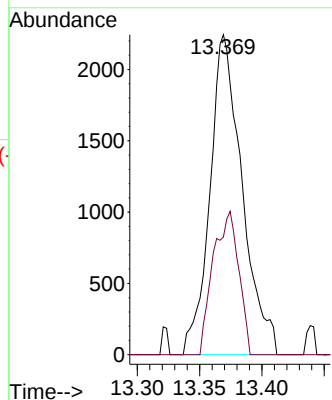
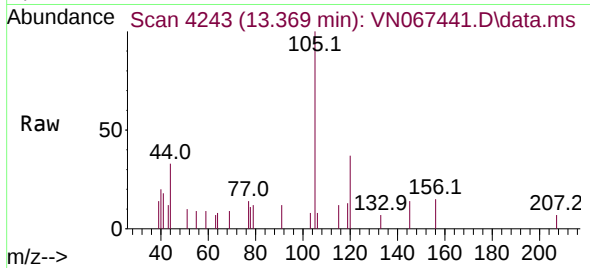




#84
1,2,4-Trimethylbenzene
Concen: 0.270 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

Instrument :
MSVOA_N
ClientSampled :
41216

Tgt Ion:105 Resp: 4040
Ion Ratio Lower Upper
105 100
120 35.4 20.6 61.8



#95
Naphthalene
Concen: 3.356 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN067441.D
Acq: 22 Jun 2021 16:50

Tgt Ion:128 Resp: 8999
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 12.2 8.6 12.8

