

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061721\
 Data File : VN067383.D
 Acq On : 17 Jun 2021 17:50
 Operator : JC/MD
 Sample : PB137151ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 05:11:39 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

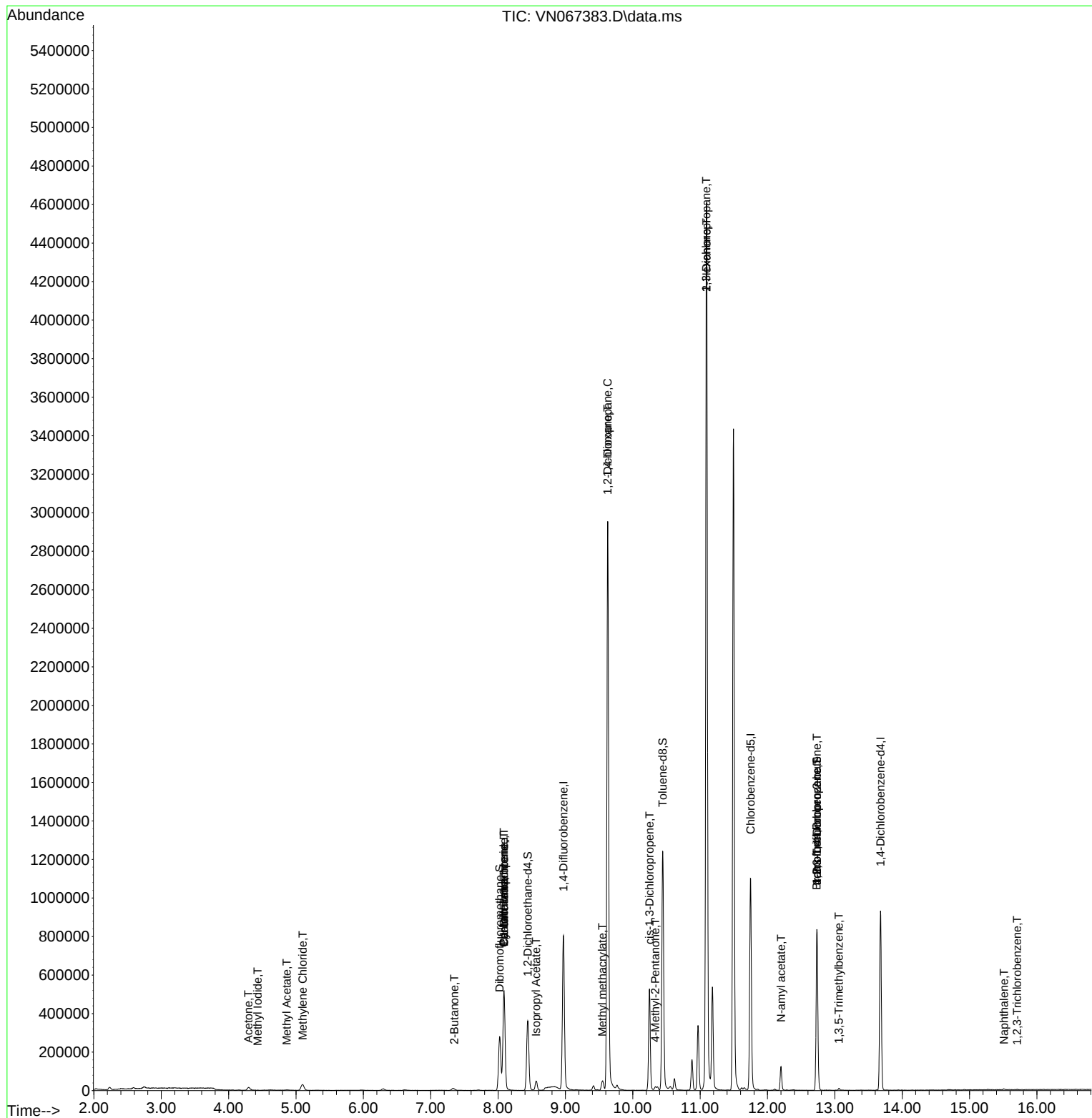
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	325421	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	645226	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	585626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	210884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	319550	49.777	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.560%
35) Dibromofluoromethane	8.024	113	203762	47.483	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.960%
50) Toluene-d8	10.443	98	855142	51.992	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.980%
62) 4-Bromofluorobenzene	12.733	95	311513	45.893	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.780%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.430	142	277	6.801	ug/l #	33
16) Acetone	4.293	43	13937	5.657	ug/l	95
18) Methyl Acetate	4.865	43	2756	0.461	ug/l #	81
20) Methylene Chloride	5.101	84	23809	4.645	ug/l	87
25) 2-Butanone	7.351	43	5825	1.655	ug/l #	87
31) Cyclohexane	8.086	56	11884	1.362	ug/l #	22
36) 1,1-Dichloropropene	8.088	75	37940	5.245	ug/l #	51
38) Carbon Tetrachloride	8.088	117	39663	5.101	ug/l #	16
43) Isopropyl Acetate	8.566	43	60620	4.407	ug/l #	90
45) 1,2-Dichloropropane	9.625	63	3669	0.681	ug/l #	44
48) Methyl methacrylate	9.550	41	14119	2.251	ug/l #	13
49) 1,4-Dioxane	9.628	88	346	4.031	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	11610	1.466	ug/l	95
54) cis-1,3-Dichloropropene	10.247	75	91753	9.976	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	49519	5.523	ug/l #	43
59) 2-Hexanone	11.095	43	794603	136.953	ug/l #	53
71) Bromoform	12.731	173	2614	0.721	ug/l #	1
74) N-amyl acetate	12.200	43	40972	4.147	ug/l #	57
76) 1,2,3-Trichloropropane	12.733	75	181036	33.058	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.061	105	5059	0.297	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.733	75	181036	81.928	ug/l #	6
95) Naphthalene	15.509	128	4076	2.909	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.705	180	756	0.214	ug/l #	19

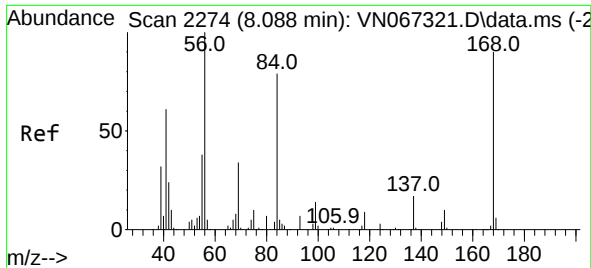
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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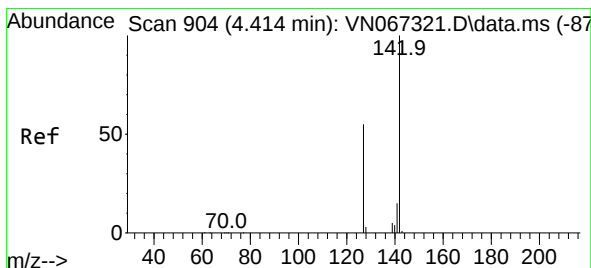
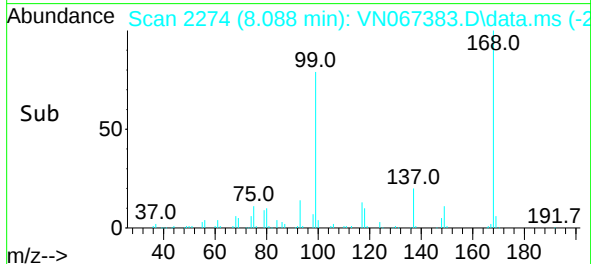
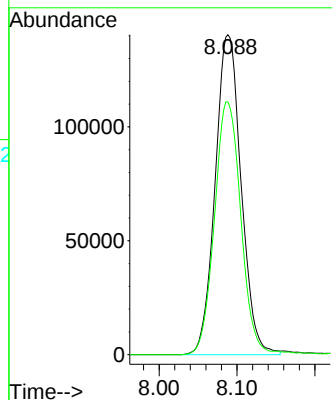
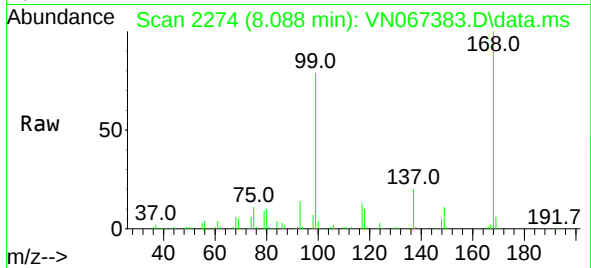




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

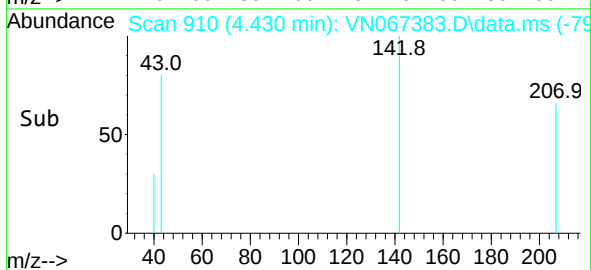
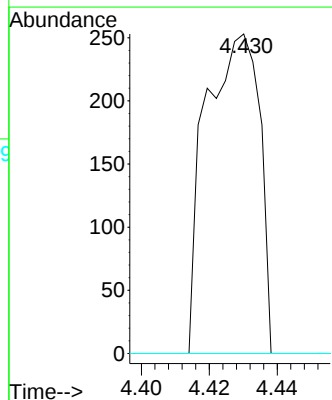
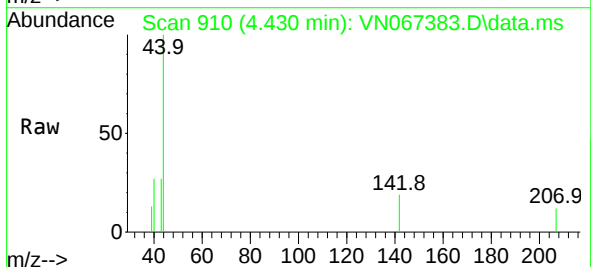
Instrument :
MSVOA_N
ClientSampled :

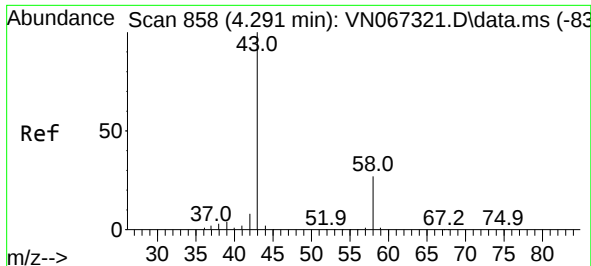
Tgt Ion:168 Resp: 325421
Ion Ratio Lower Upper
168 100
99 79.0 62.9 94.3



#10
Methyl Iodide
Concen: 6.801 ug/l
RT: 4.430 min Scan# 910
Delta R.T. 0.016 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

Tgt Ion:142 Resp: 277
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

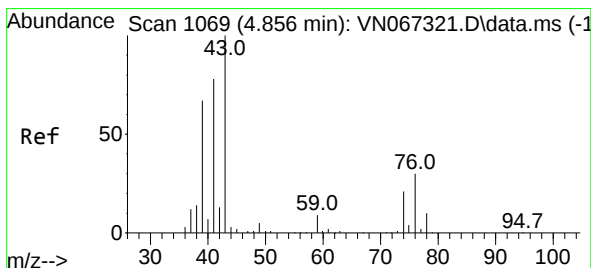
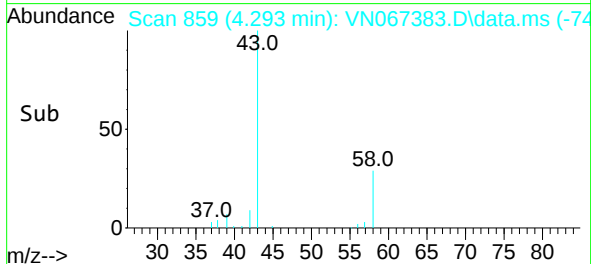
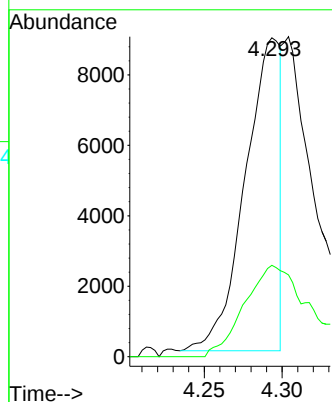
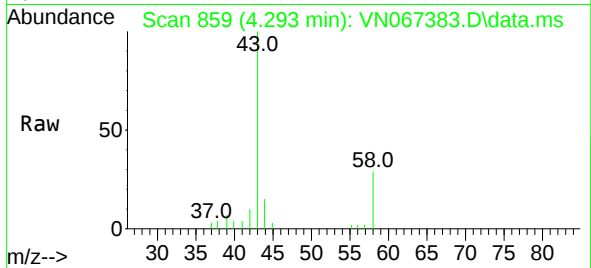




#16
Acetone
Concen: 5.657 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

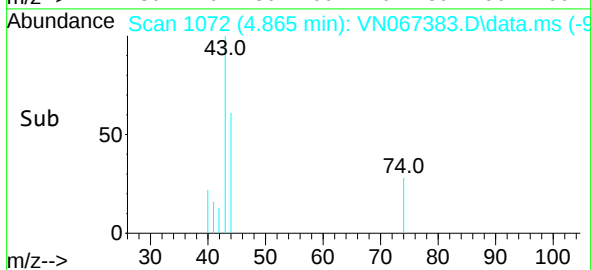
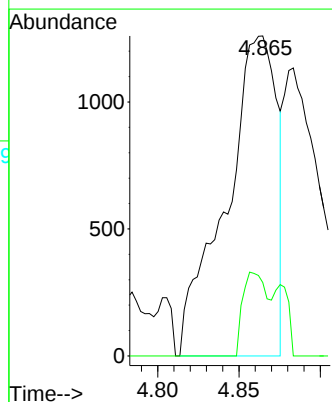
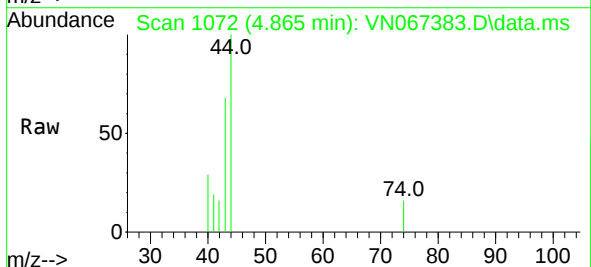
Instrument :
MSVOA_N
ClientSampled :

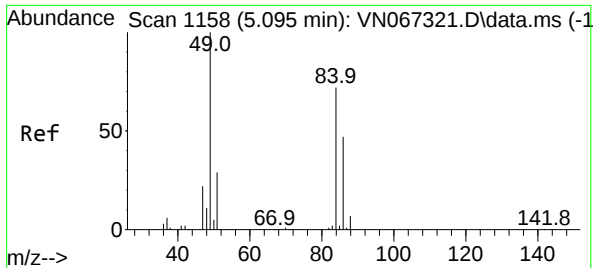
Tgt Ion: 43 Resp: 13937
Ion Ratio Lower Upper
43 100
58 29.2 21.2 31.8



#18
Methyl Acetate
Concen: 0.461 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.009 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

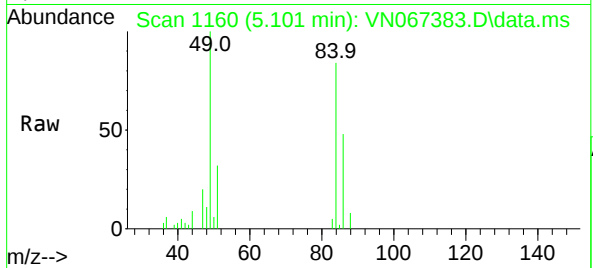
Tgt Ion: 43 Resp: 2756
Ion Ratio Lower Upper
43 100
74 12.7 17.4 26.0#



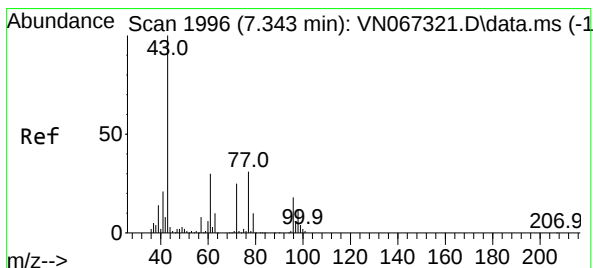
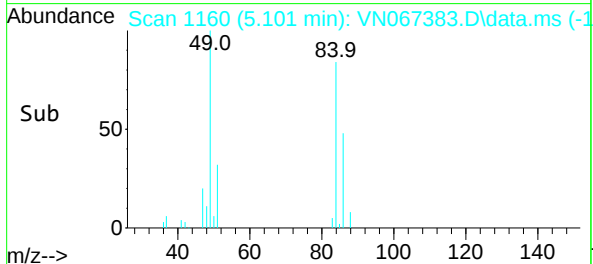
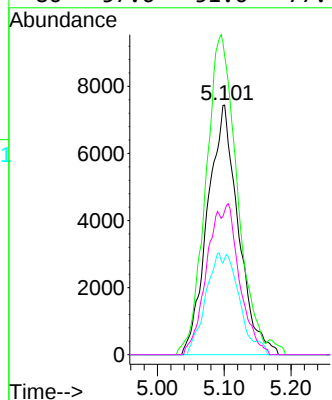


#20
Methylene Chloride
Concen: 4.645 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.006 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

Instrument :
MSVOA_N
ClientSampled :

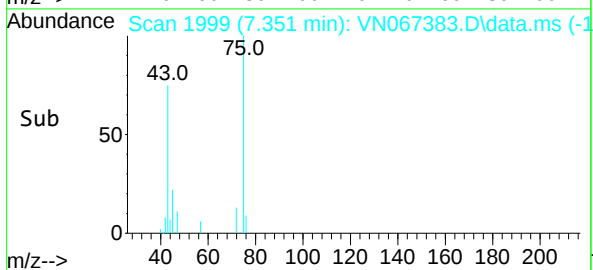
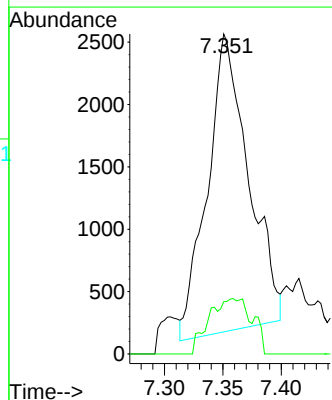
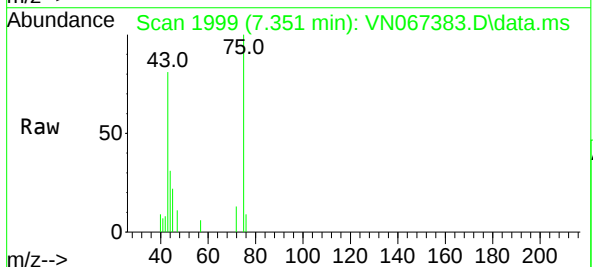


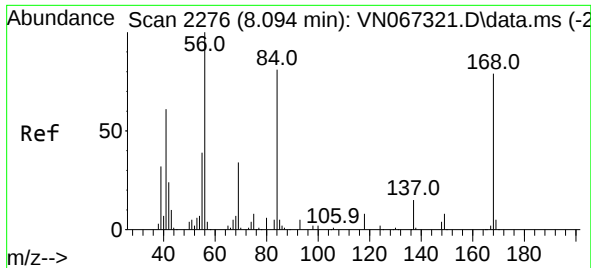
Tgt Ion:	84	Resp:	23809
Ion	Ratio	Lower	Upper
84	100		
49	116.8	110.9	166.3
51	38.5	32.6	49.0
86	57.6	51.6	77.4



#25
2-Butanone
Concen: 1.655 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.008 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

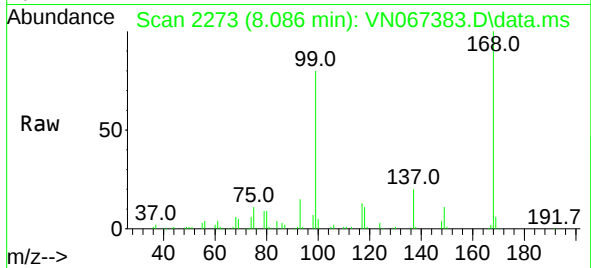
Tgt Ion:	43	Resp:	5825
Ion	Ratio	Lower	Upper
43	100		
72	18.3	19.7	29.5#



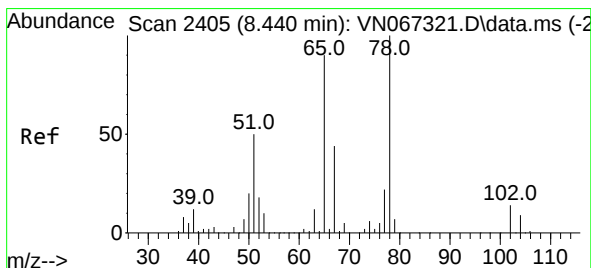
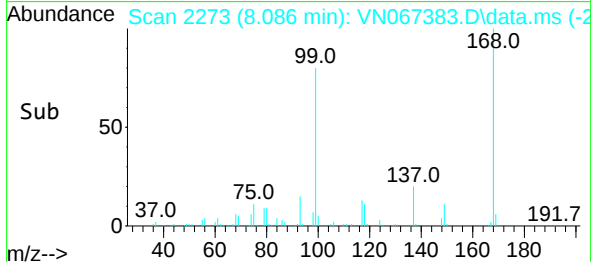
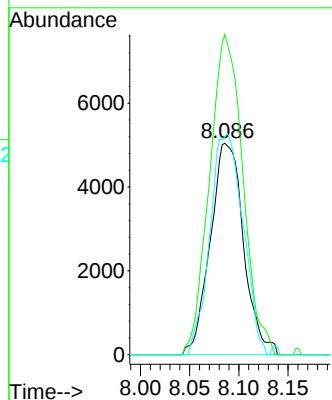


#31
Cyclohexane
Concen: 1.362 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

Instrument :
MSVOA_N
ClientSampleId :

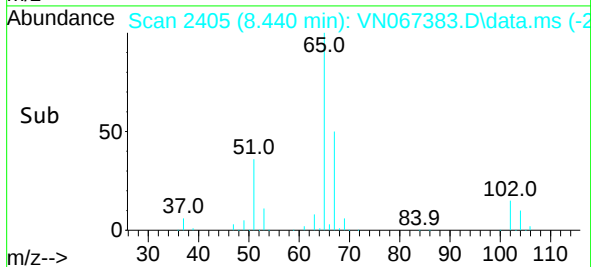
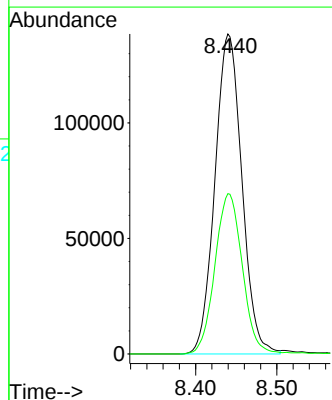
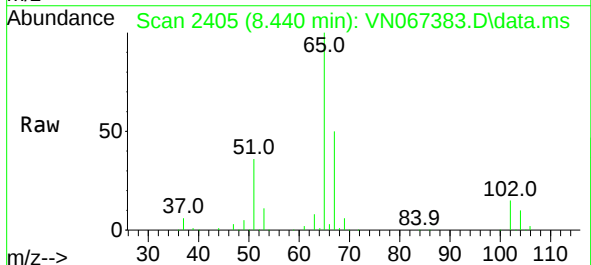


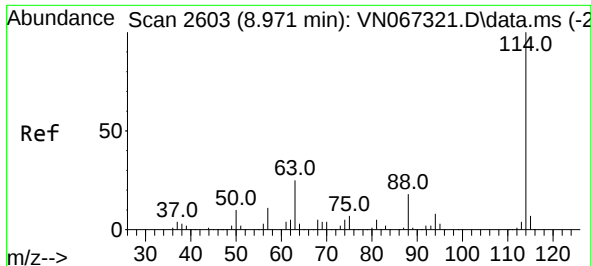
Tgt Ion: 56 Resp: 11884
Ion Ratio Lower Upper
56 100
69 151.3 27.3 40.9#
84 102.9 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 49.777 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

Tgt Ion: 65 Resp: 319550
Ion Ratio Lower Upper
65 100
67 50.8 0.0 98.6

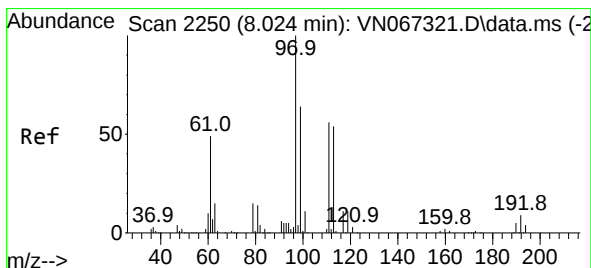
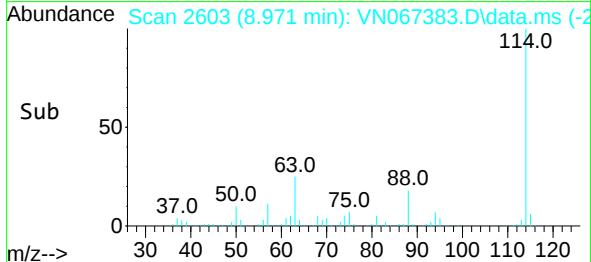
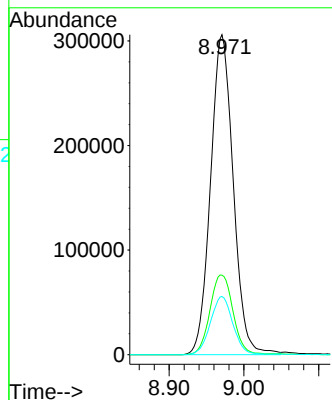
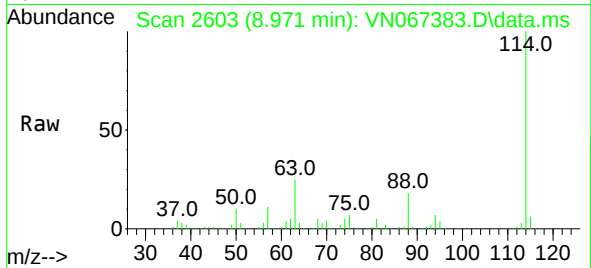




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

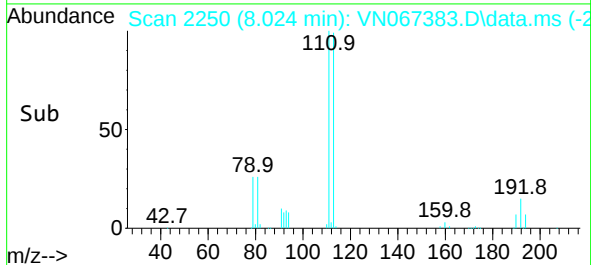
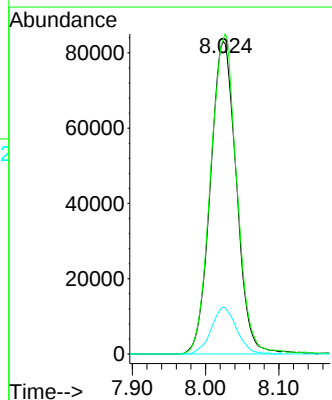
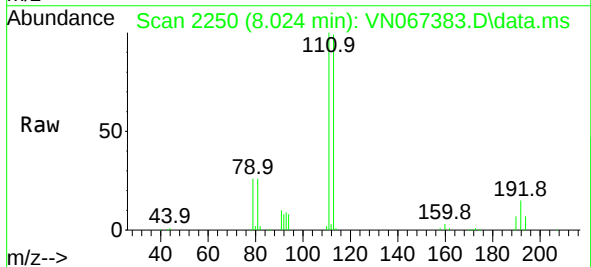
Instrument :
MSVOA_N
ClientSampled :

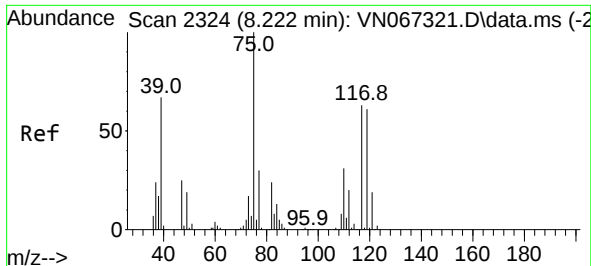
Tgt Ion:114 Resp: 645226
Ion Ratio Lower Upper
114 100
63 24.9 0.0 49.0
88 18.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.483 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

Tgt Ion:113 Resp: 203762
Ion Ratio Lower Upper
113 100
111 103.1 83.8 125.8
192 14.5 13.4 20.0





#36

1,1-Dichloropropene

Concen: 5.245 ug/l

RT: 8.088 min Scan# 2274

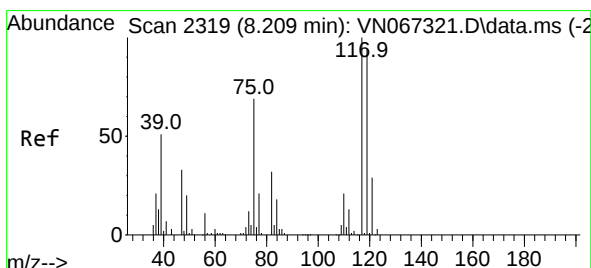
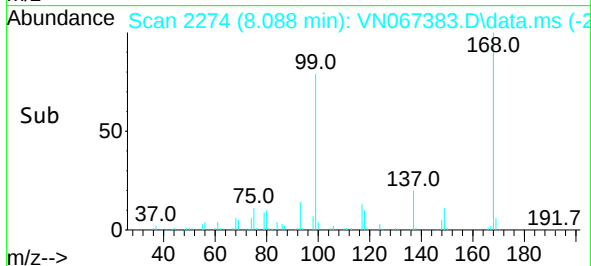
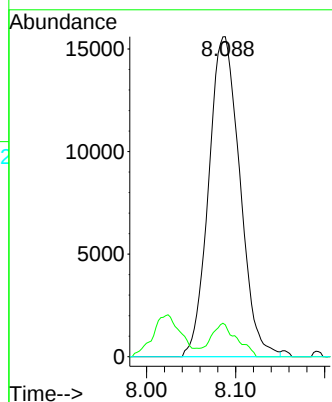
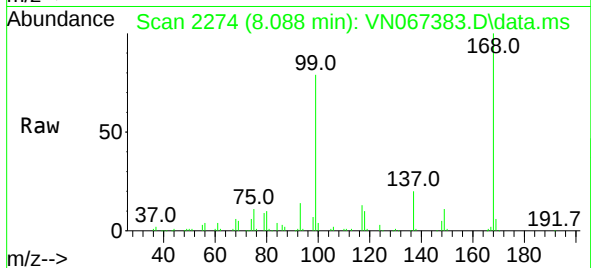
Delta R.T. -0.134 min

Lab File: VN067383.D

Acq: 17 Jun 2021 17:50

Tgt Ion:	75	Resp:	37940
Ion Ratio	Lower	Upper	
75	100		
110	8.5	15.7	47.0#
77	0.0	24.6	37.0#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.101 ug/l

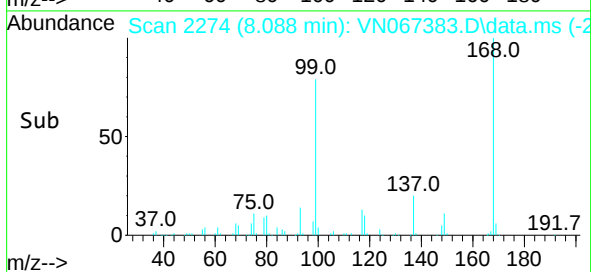
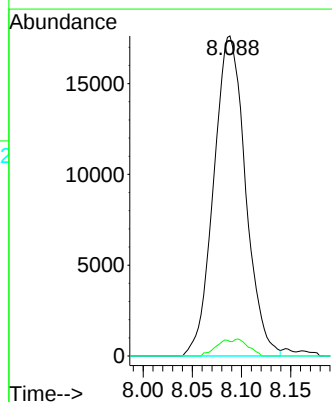
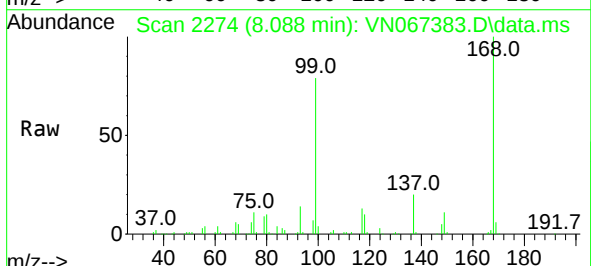
RT: 8.088 min Scan# 2274

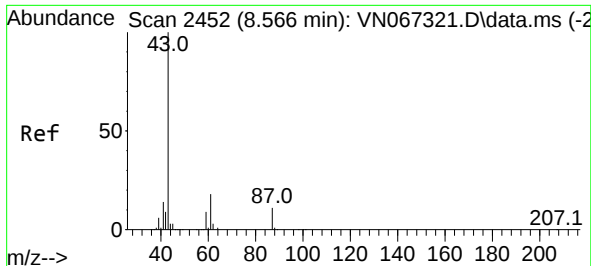
Delta R.T. -0.121 min

Lab File: VN067383.D

Acq: 17 Jun 2021 17:50

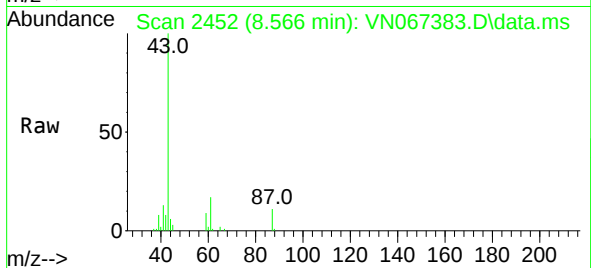
Tgt Ion:	117	Resp:	39663
Ion Ratio	Lower	Upper	
117	100		
119	4.5	75.4	113.2#
121	0.0	23.5	35.3#



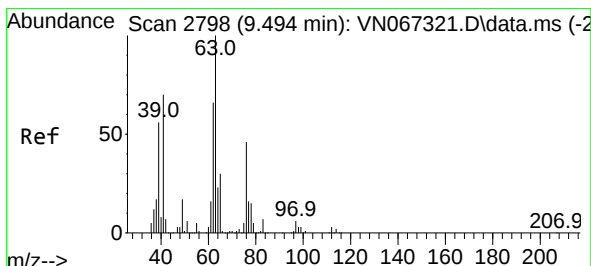
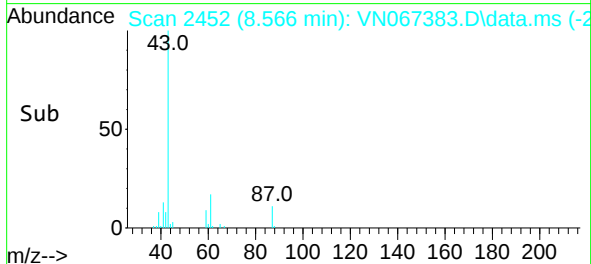
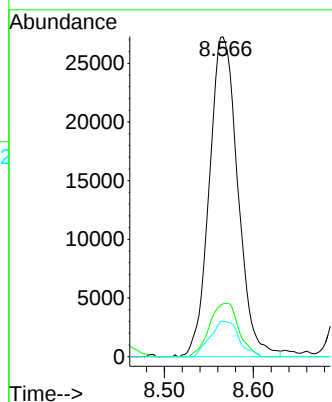


#43
Isopropyl Acetate
Concen: 4.407 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

Instrument :
MSVOA_N
ClientSampleId :

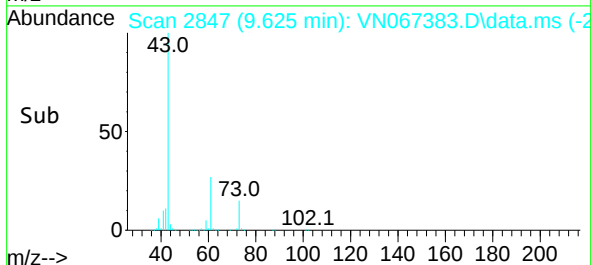
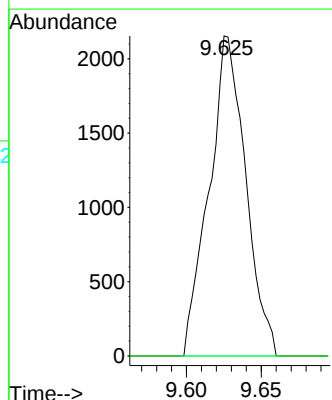
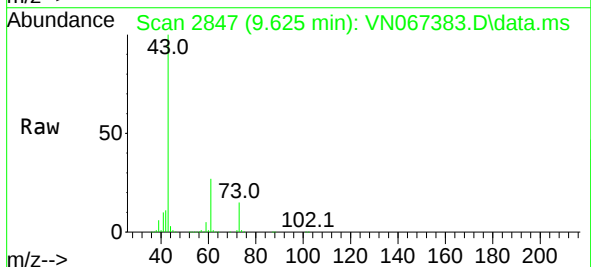


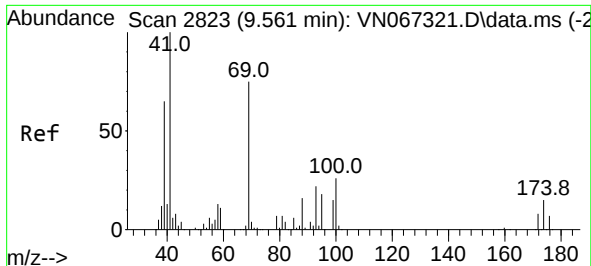
Tgt Ion: 43 Resp: 60620
Ion Ratio Lower Upper
43 100
61 17.1 19.0 28.4#
87 11.2 9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.681 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.131 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

Tgt Ion: 63 Resp: 3669
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

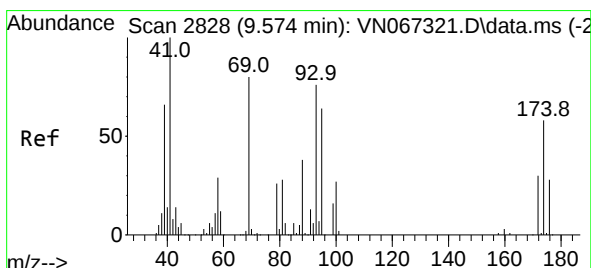
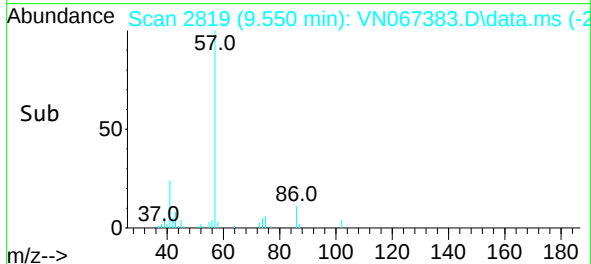
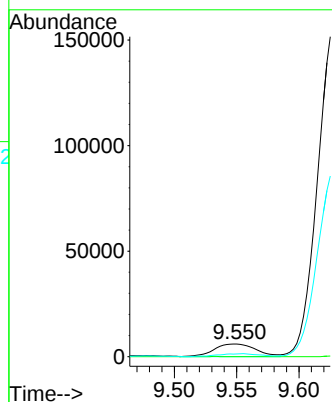
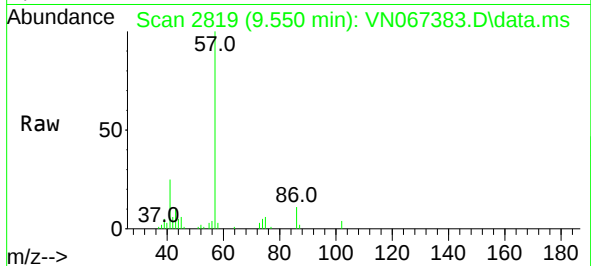




#48
Methyl methacrylate
Concen: 2.251 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

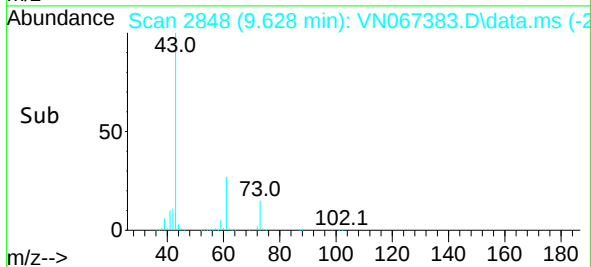
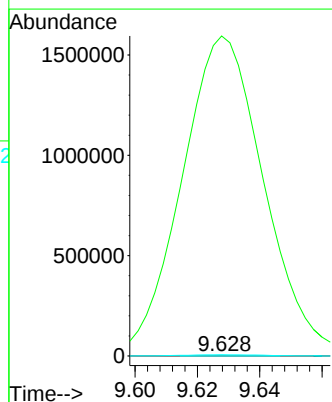
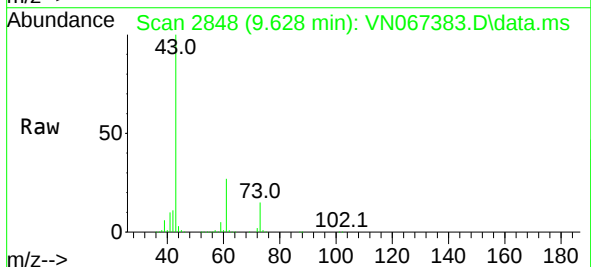
Instrument :
MSVOA_N
ClientSampleId :

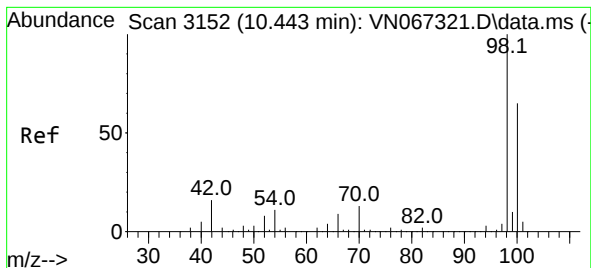
Tgt Ion: 41 Resp: 14119
Ion Ratio Lower Upper
41 100
69 0.4 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 4.031 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.054 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

Tgt Ion: 88 Resp: 346
Ion Ratio Lower Upper
88 100
43 866363.9 28.8 43.2#
58 3254.9 60.4 90.6#

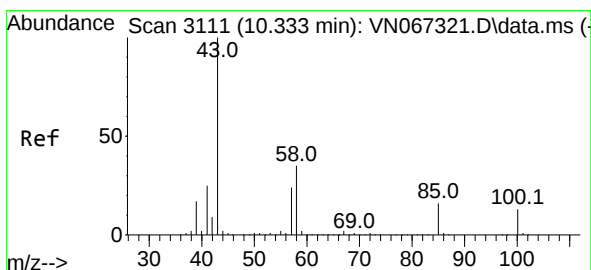
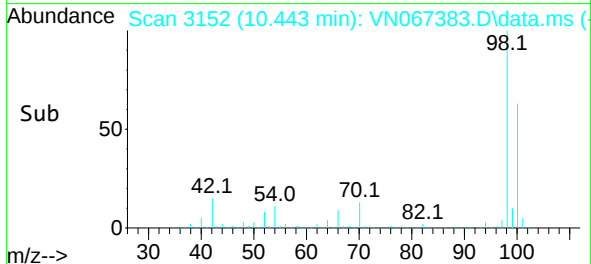
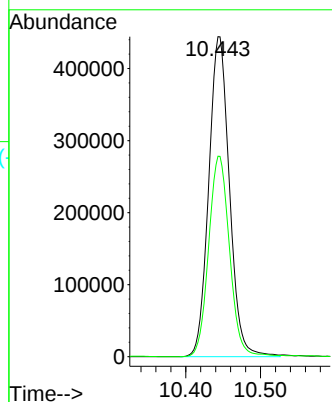
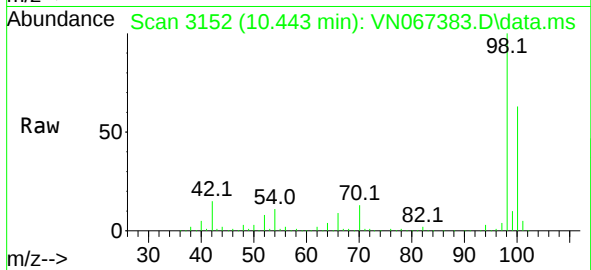




#50
Toluene-d8
Concen: 51.992 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

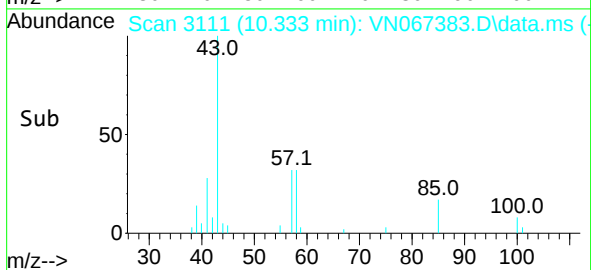
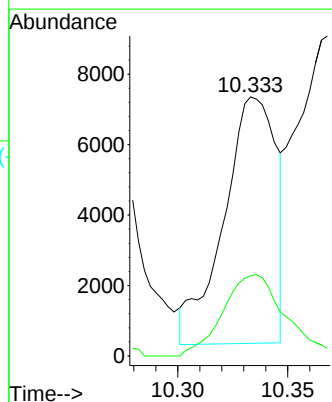
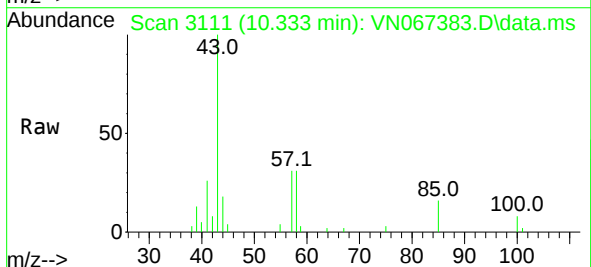
Instrument :
MSVOA_N
ClientSampled :

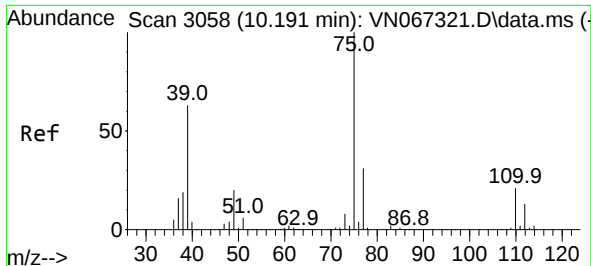
Tgt Ion: 98 Resp: 855142
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.466 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

Tgt Ion: 43 Resp: 11610
Ion Ratio Lower Upper
43 100
58 38.6 28.6 43.0

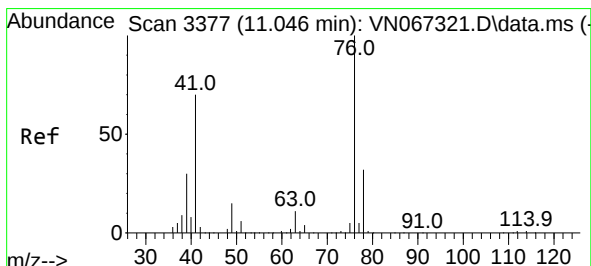
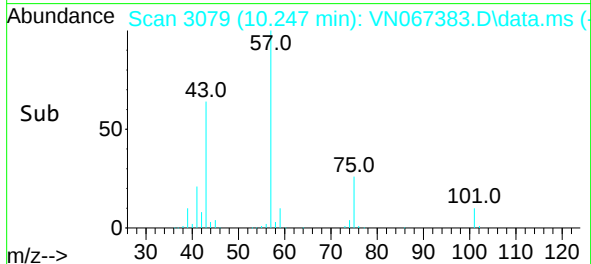
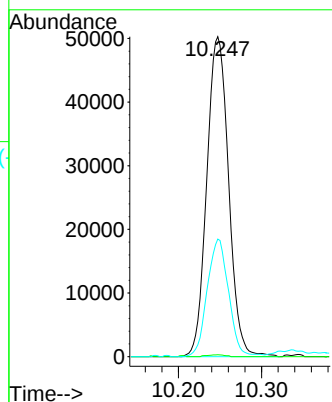
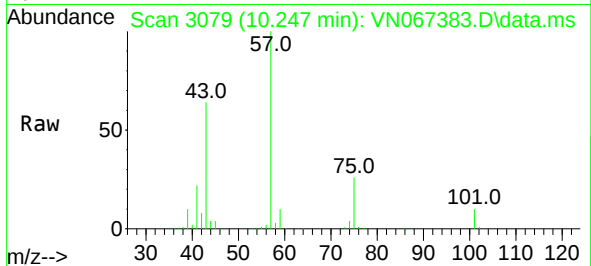




#54
 cis-1,3-Dichloropropene
 Concen: 9.976 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN067383.D
 Acq: 17 Jun 2021 17:50

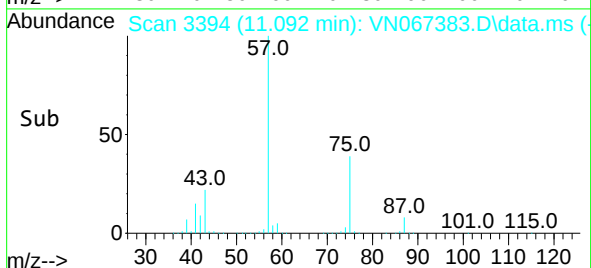
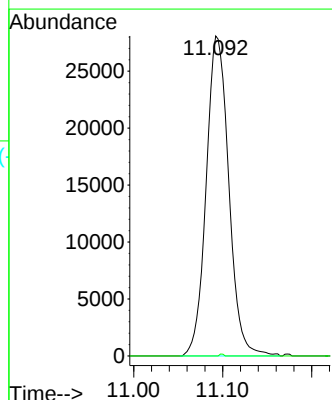
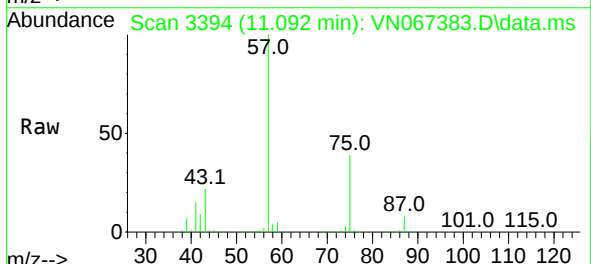
Instrument :
 MSVOA_N
 ClientSampleId :

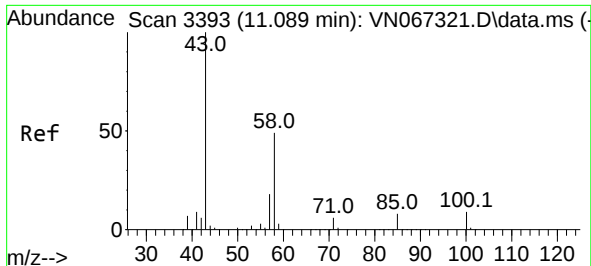
Tgt Ion: 75 Resp: 91753
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.6 37.0#
 39 36.8 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 5.523 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN067383.D
 Acq: 17 Jun 2021 17:50

Tgt Ion: 76 Resp: 49519
 Ion Ratio Lower Upper
 76 100
 78 0.1 25.7 38.5#

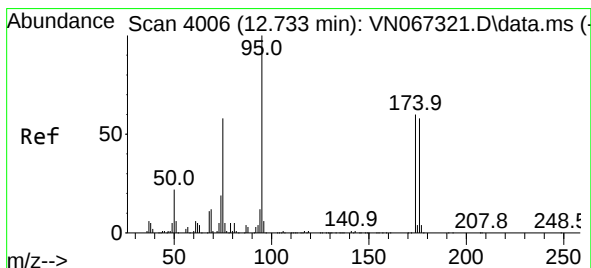
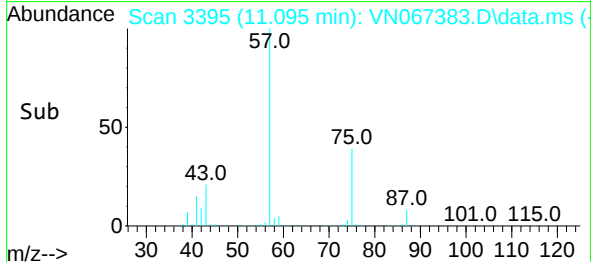
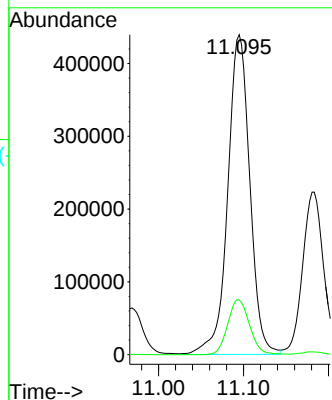
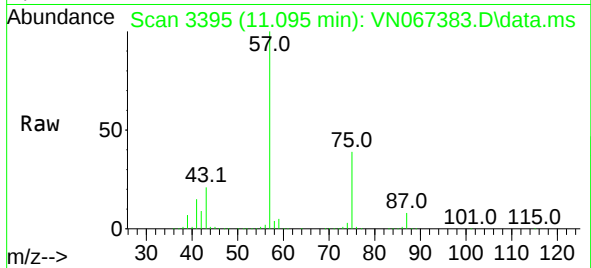




#59
2-Hexanone
Concen: 136.953 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

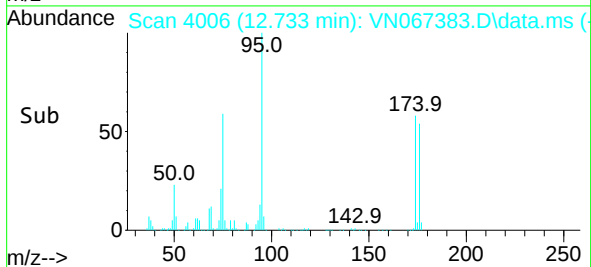
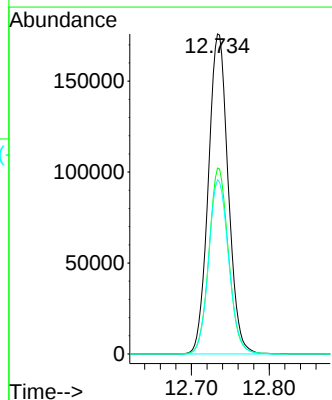
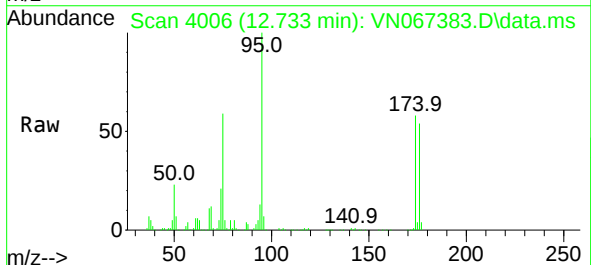
Instrument :
MSVOA_N
ClientSampled :

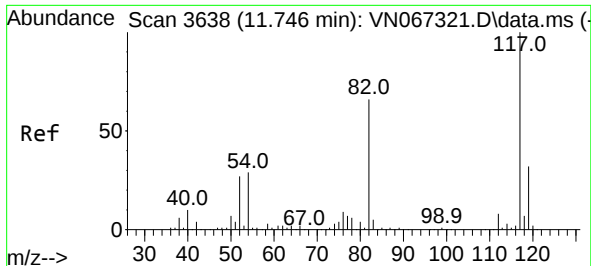
Tgt Ion: 43 Resp: 794603
Ion Ratio Lower Upper
43 100
58 17.1 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 45.893 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

Tgt Ion: 95 Resp: 311513
Ion Ratio Lower Upper
95 100
174 57.4 0.0 122.0
176 55.0 0.0 117.6

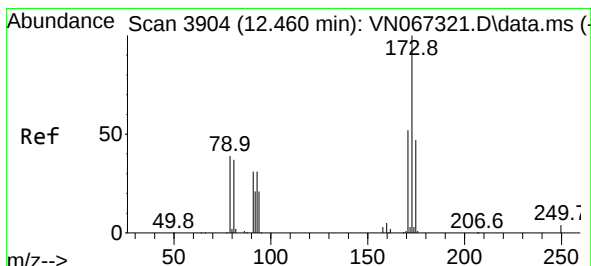
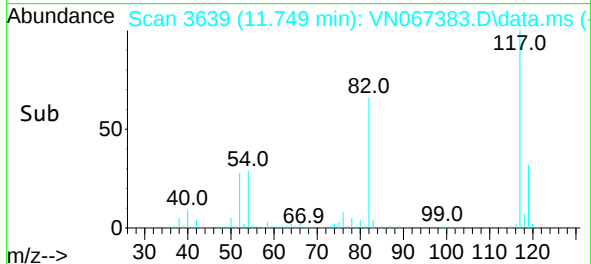
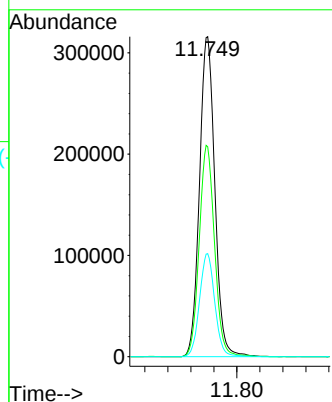
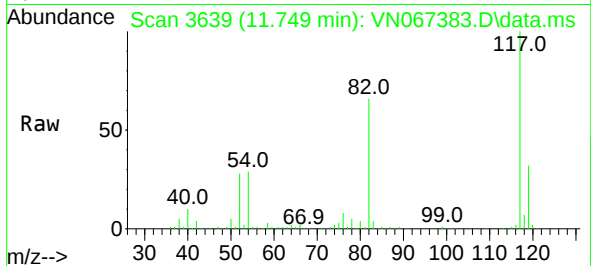




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

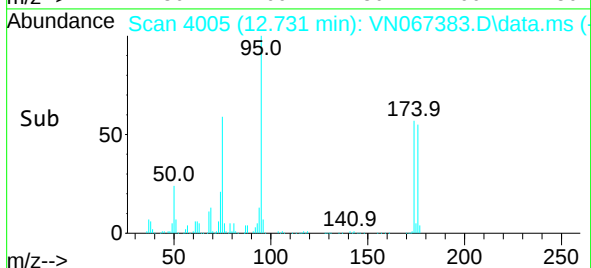
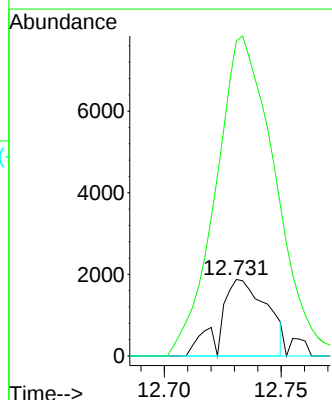
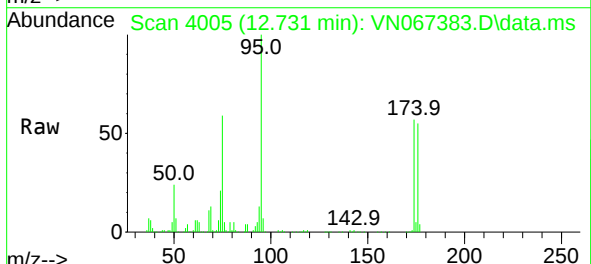
Instrument :
MSVOA_N
ClientSampleId :

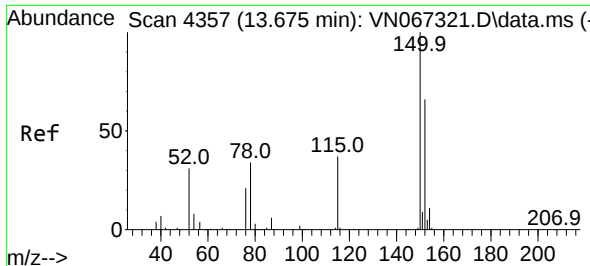
Tgt Ion:117 Resp: 585626
Ion Ratio Lower Upper
117 100
82 65.6 53.1 79.7
119 32.2 25.5 38.3



#71
Bromoform
Concen: 0.721 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

Tgt Ion:173 Resp: 2614
Ion Ratio Lower Upper
173 100
175 474.4 23.9 71.8#
254 0.0 0.0 0.0

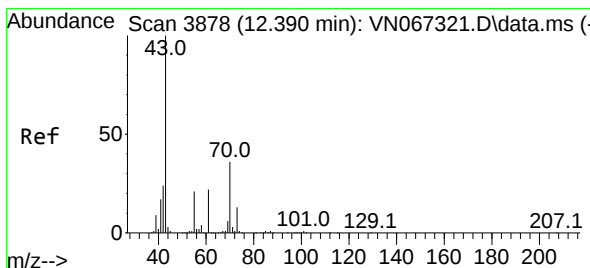
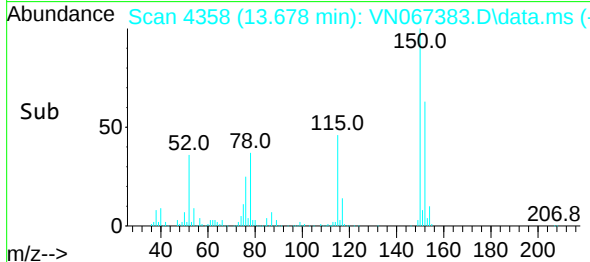
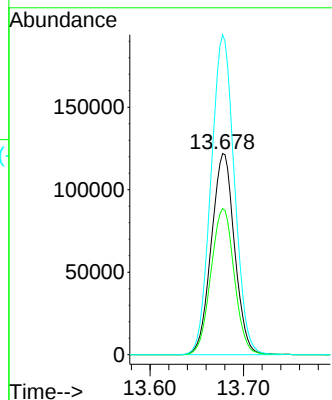
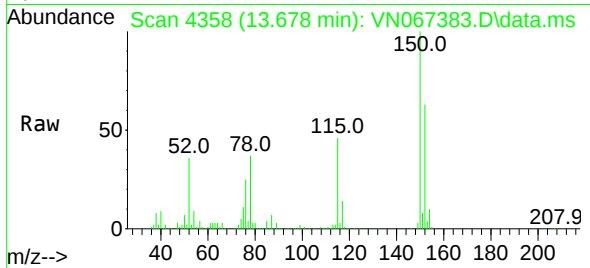




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

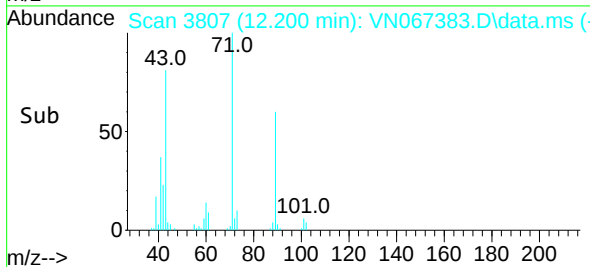
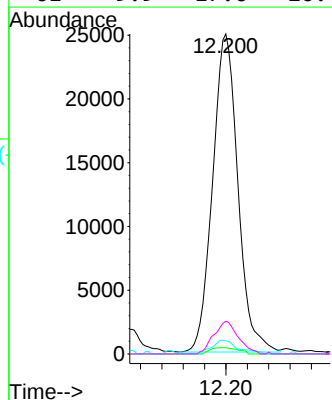
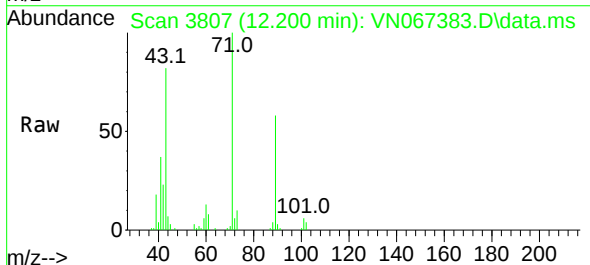
Instrument :
MSVOA_N
ClientSampled :

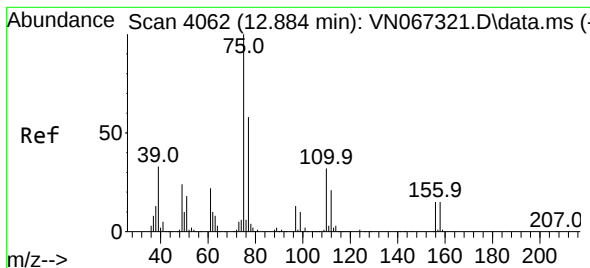
Tgt Ion:152 Resp: 210884
Ion Ratio Lower Upper
152 100
115 73.2 36.1 108.5
150 160.1 0.0 351.8



#74
N-ethyl acetate
Concen: 4.147 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.190 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

Tgt Ion: 43 Resp: 40972
Ion Ratio Lower Upper
43 100
70 2.2 29.4 44.2#
55 4.4 17.0 25.4#
61 9.9 17.6 26.4#

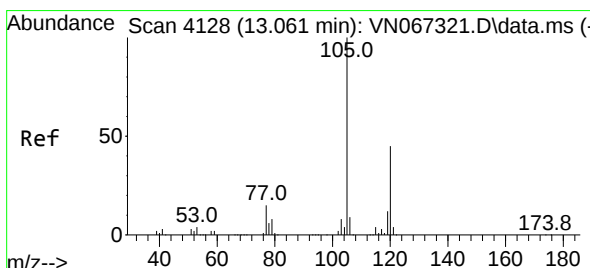
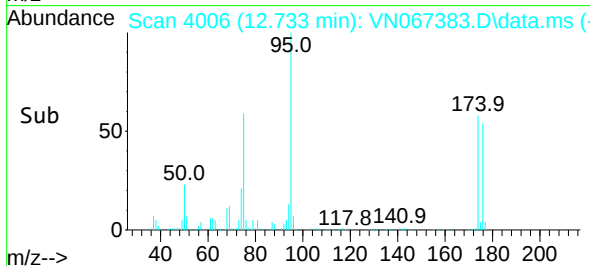
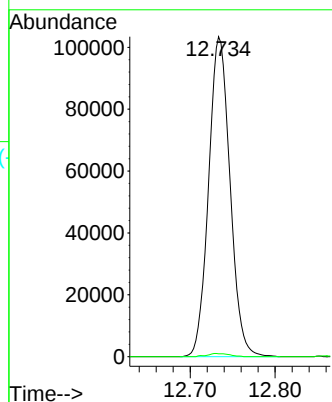
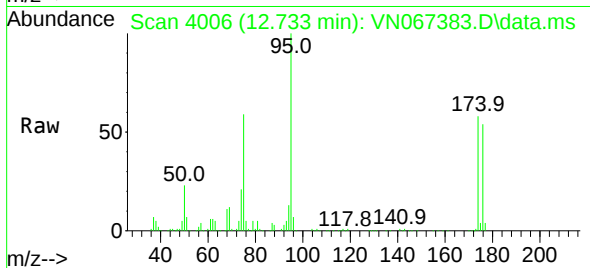




#76
1,2,3-Trichloropropane
Concen: 33.058 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

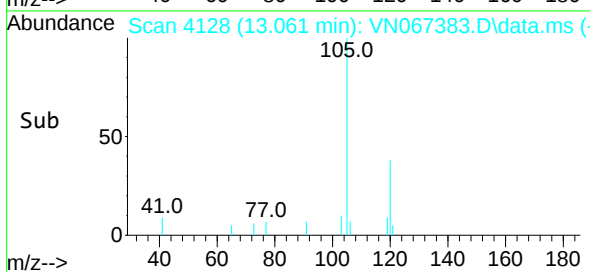
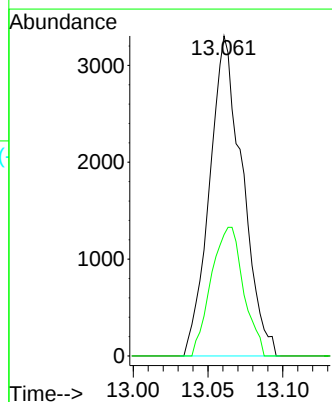
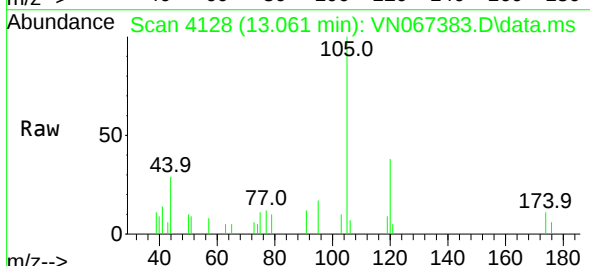
Instrument :
MSVOA_N
ClientSampled :

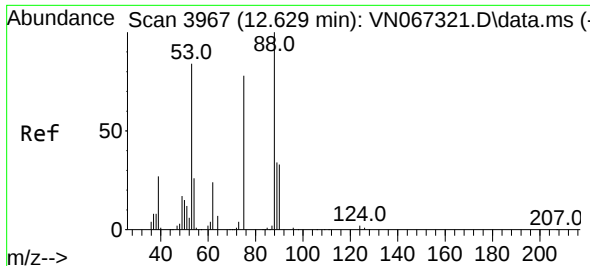
Tgt Ion: 75 Resp: 181036
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.297 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

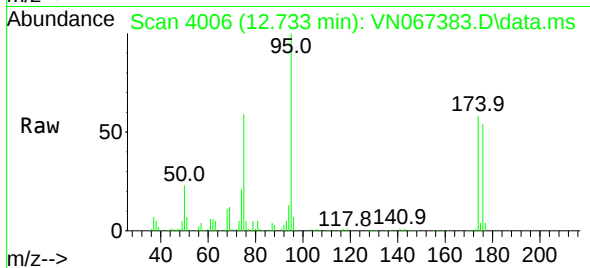
Tgt Ion:105 Resp: 5059
Ion Ratio Lower Upper
105 100
120 39.5 22.2 66.6



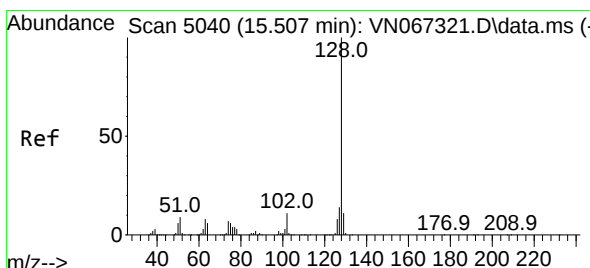
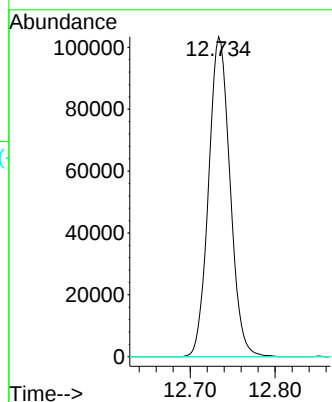
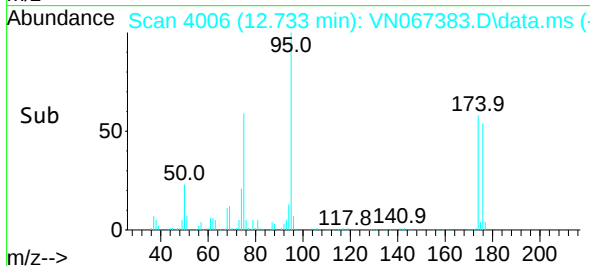


#81
trans-1,4-Dichloro-2-butene
Concen: 81.928 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50

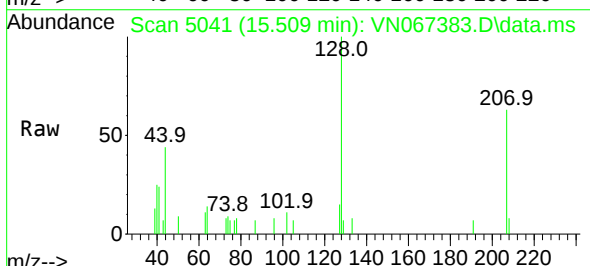
Instrument :
MSVOA_N
ClientSampled :



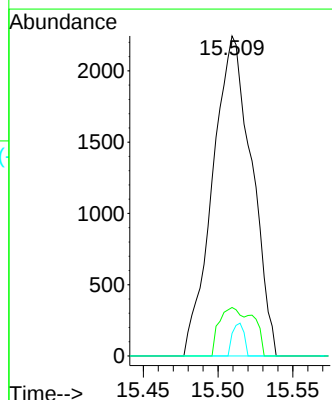
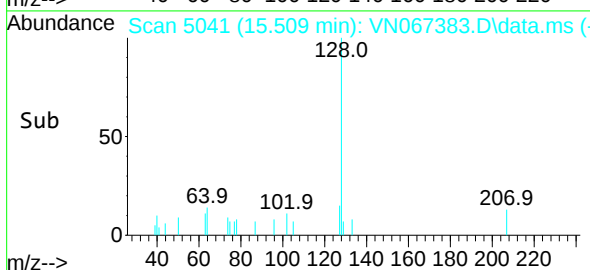
Tgt Ion: 75 Resp: 181036
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

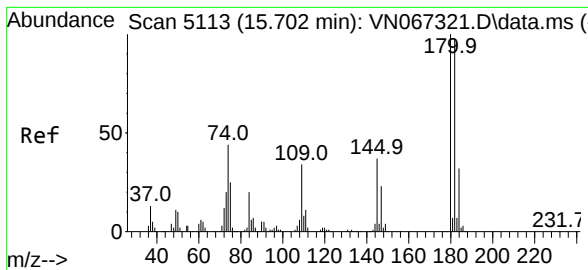


#95
Naphthalene
Concen: 2.909 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067383.D
Acq: 17 Jun 2021 17:50



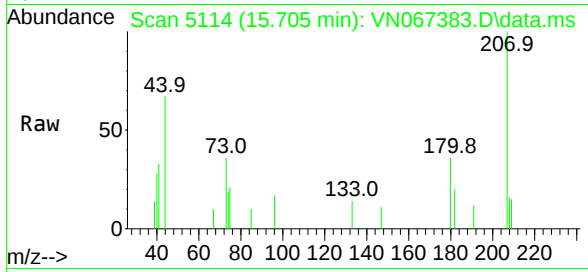
Tgt Ion: 128 Resp: 4076
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 3.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.214 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067383.D
 Acq: 17 Jun 2021 17:50

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	756
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.3#
145	14.4	18.2	54.6#

