

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061721\
 Data File : VN067385.D
 Acq On : 17 Jun 2021 18:39
 Operator : JC/MD
 Sample : M2715-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 05:12:16 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)

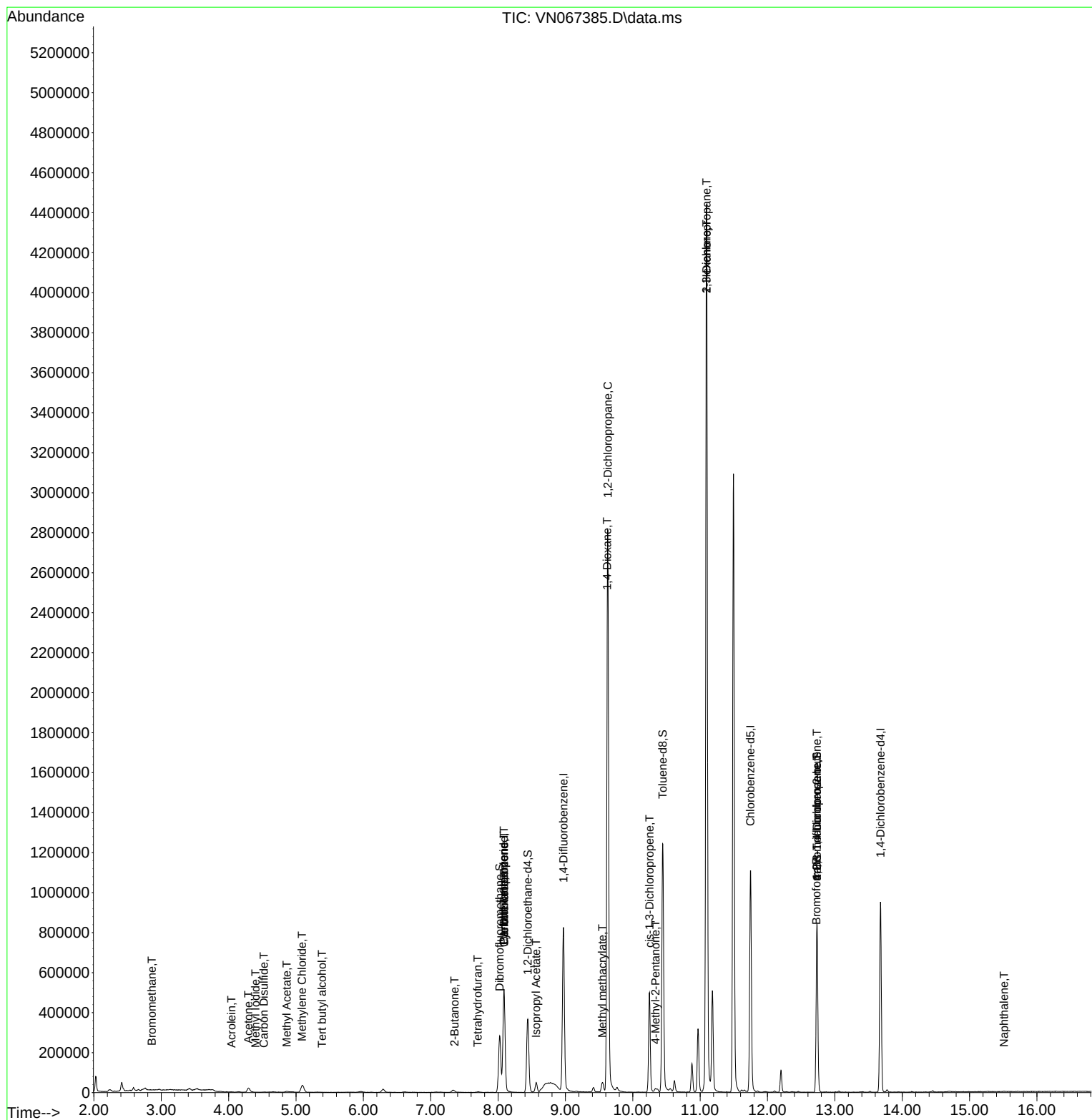
Internal Standards						
1) Pentafluorobenzene	8.088	168	320857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	654332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	584934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	214290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	319813	50.526	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.060%			
35) Dibromofluoromethane	8.024	113	203504	46.763	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 93.520%			
50) Toluene-d8	10.443	98	853556	51.173	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.340%			
62) 4-Bromofluorobenzene	12.734	95	311516	45.255	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 90.520%			
Target Compounds						Qvalue
5) Bromomethane	2.861	94	578	0.285	ug/l #	58
10) Methyl Iodide	4.401	142	25	6.749	ug/l #	33
11) Tert butyl alcohol	5.388	59	268	0.257	ug/l #	71
13) Acrolein	4.041	56	1101	1.693	ug/l #	69
16) Acetone	4.293	43	38297	15.767	ug/l	98
17) Carbon Disulfide	4.524	76	2857	0.230	ug/l #	74
18) Methyl Acetate	4.865	43	8678	1.473	ug/l #	83
20) Methylene Chloride	5.090	84	12146	2.403	ug/l	98
25) 2-Butanone	7.354	43	7342	2.115	ug/l #	88
29) Tetrahydrofuran	7.697	42	1629	0.744	ug/l #	74
31) Cyclohexane	8.091	56	10650	1.238	ug/l #	11
36) 1,1-Dichloropropene	8.086	75	37976	5.177	ug/l #	51
38) Carbon Tetrachloride	8.088	117	41295	5.237	ug/l #	15
43) Isopropyl Acetate	8.566	43	57836	4.146	ug/l #	91
45) 1,2-Dichloropropane	9.631	63	3174	0.581	ug/l #	44
48) Methyl methacrylate	9.550	41	12749	2.004	ug/l #	12
49) 1,4-Dioxane	9.620	88	177	2.033	ug/l #	1
51) 4-Methyl-2-Pentanone	10.339	43	8378	1.043	ug/l #	71
54) cis-1,3-Dichloropropene	10.247	75	87379	9.368	ug/l #	58
57) 1,3-Dichloropropane	11.095	76	44838	4.931	ug/l #	43
59) 2-Hexanone	11.095	43	752148	127.831	ug/l #	53
71) Bromoform	12.726	173	743	0.205	ug/l #	29
76) 1,2,3-Trichloropropane	12.734	75	180558	32.447	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	180558	80.413	ug/l #	6
95) Naphthalene	15.509	128	2608	2.797	ug/l #	78

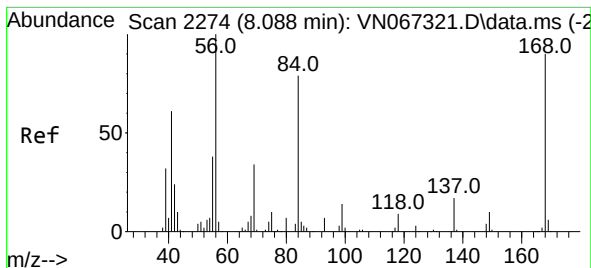
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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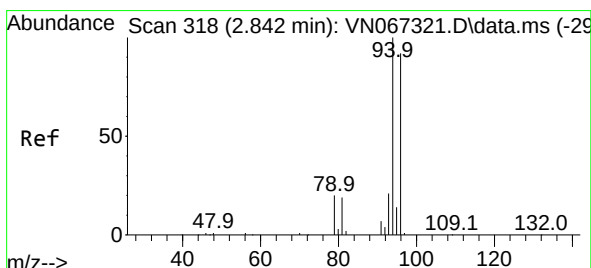
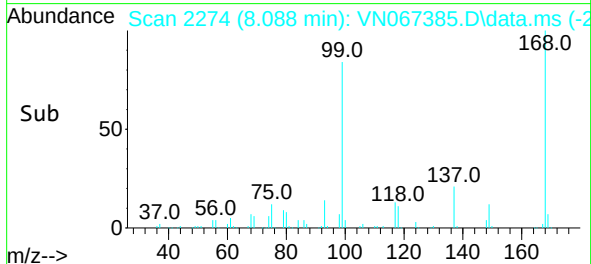
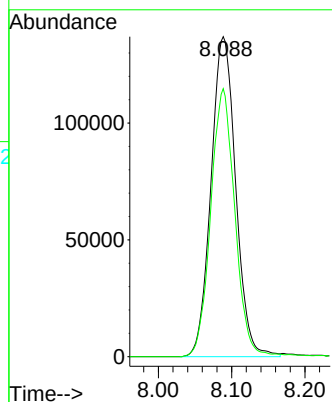
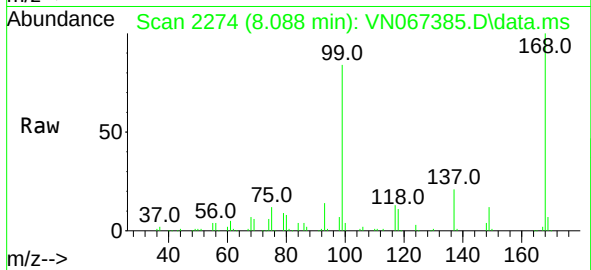




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

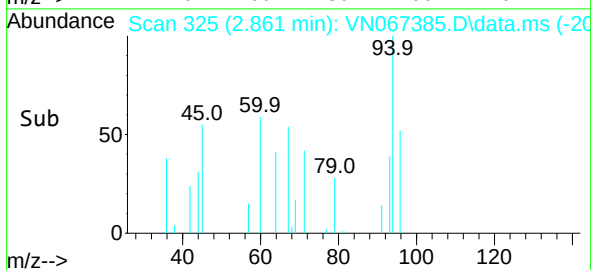
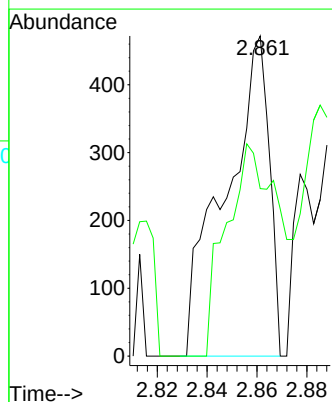
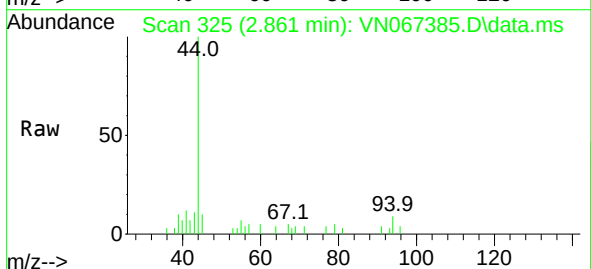
Instrument :
MSVOA_N
ClientSampled :

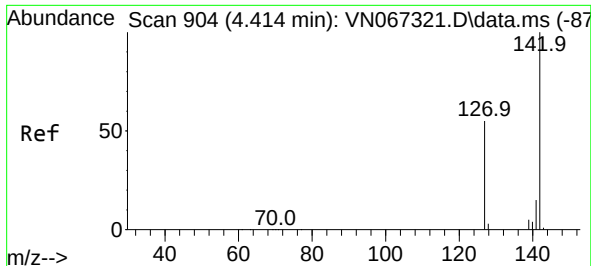
Tgt Ion:168 Resp: 320857
Ion Ratio Lower Upper
168 100
99 83.8 62.9 94.3



#5
Bromomethane
Concen: 0.285 ug/l
RT: 2.861 min Scan# 325
Delta R.T. 0.019 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

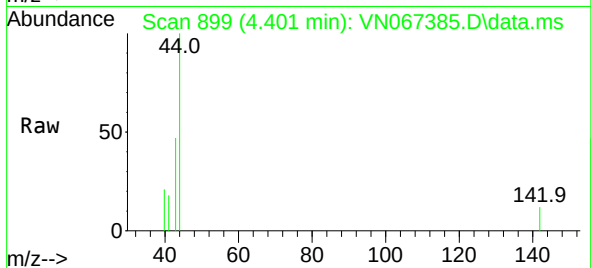
Tgt Ion: 94 Resp: 578
Ion Ratio Lower Upper
94 100
96 52.3 73.7 110.5#



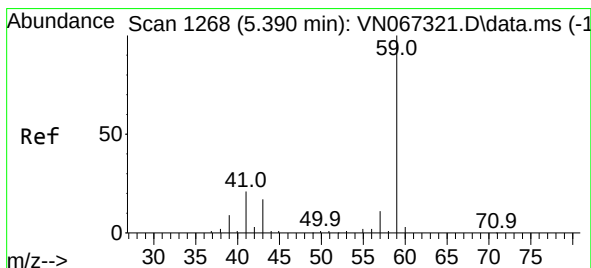
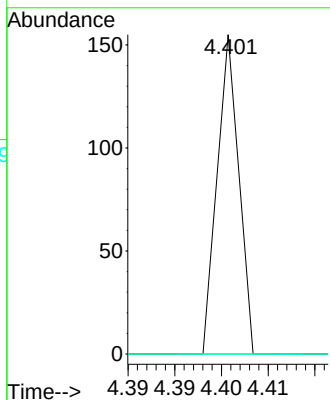
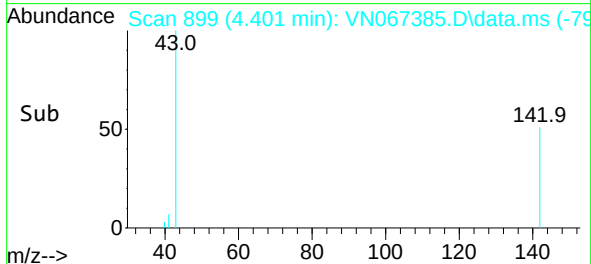


#10
Methyl Iodide
Concen: 6.749 ug/l
RT: 4.401 min Scan# 899
Delta R.T. -0.013 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

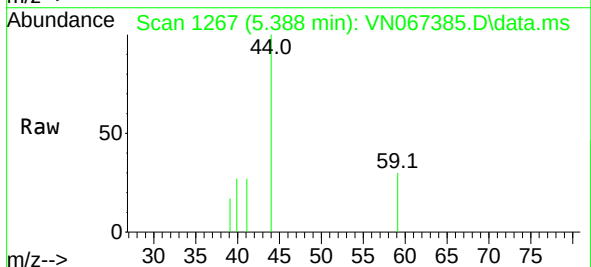
Instrument :
MSVOA_N
ClientSampleId :



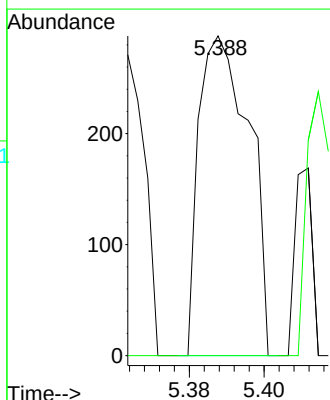
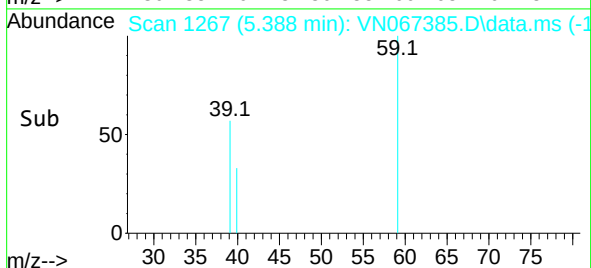
Tgt Ion:142 Resp: 25
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

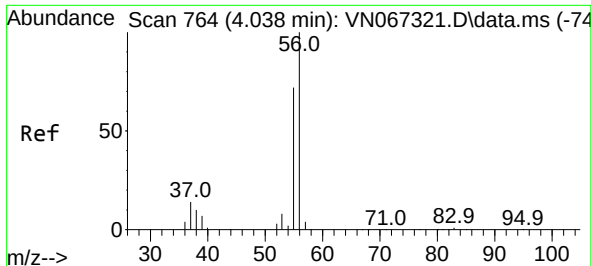


#11
Tert butyl alcohol
Concen: 0.257 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. -0.002 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39



Tgt Ion: 59 Resp: 268
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

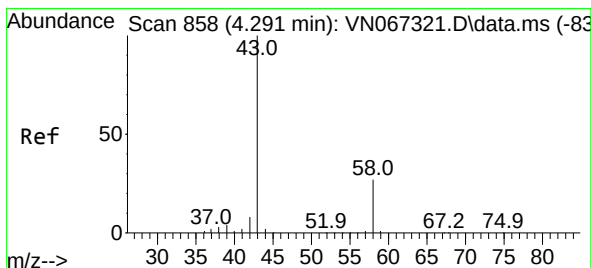
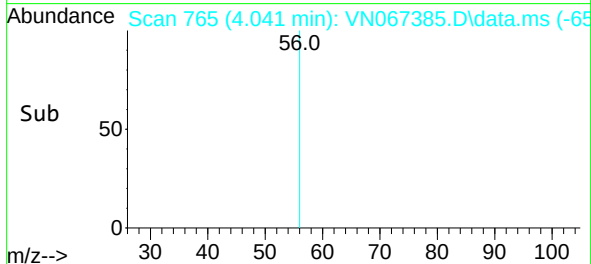
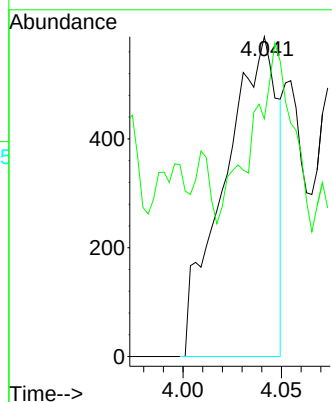
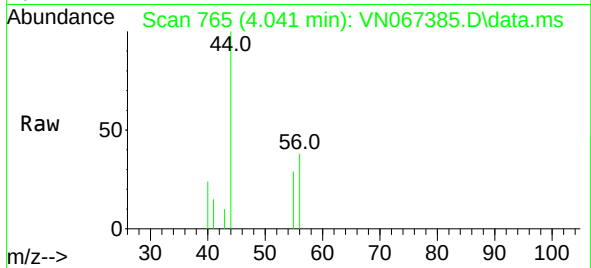




#13
Acrolein
Concen: 1.693 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

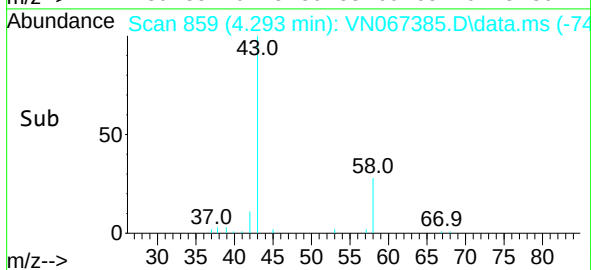
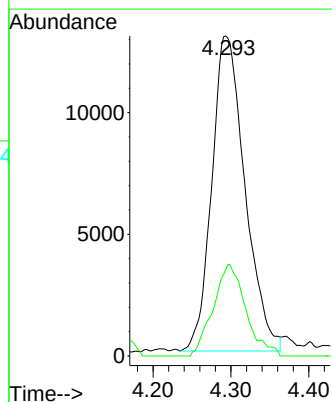
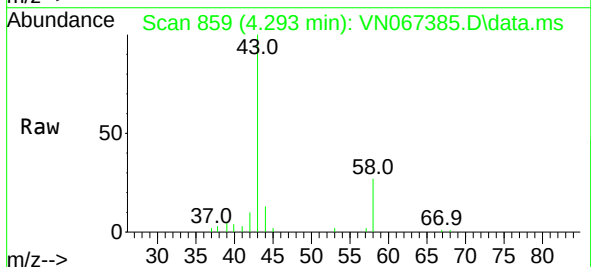
Instrument :
MSVOA_N
ClientSampled :

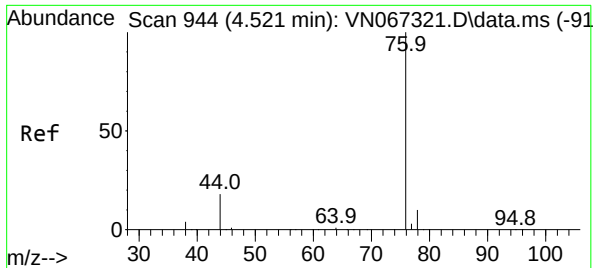
Tgt Ion: 56 Resp: 1101
Ion Ratio Lower Upper
56 100
55 45.9 57.4 86.0#



#16
Acetone
Concen: 15.767 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

Tgt Ion: 43 Resp: 38297
Ion Ratio Lower Upper
43 100
58 27.5 21.2 31.8

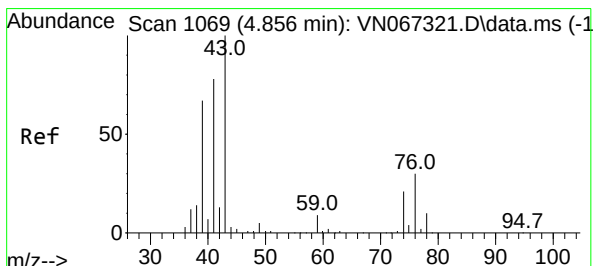
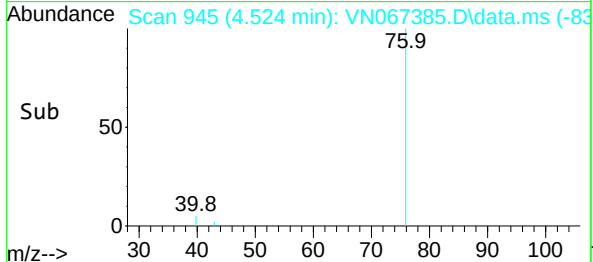
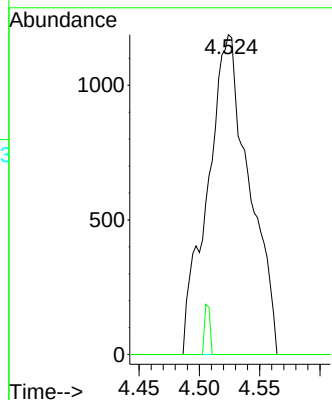
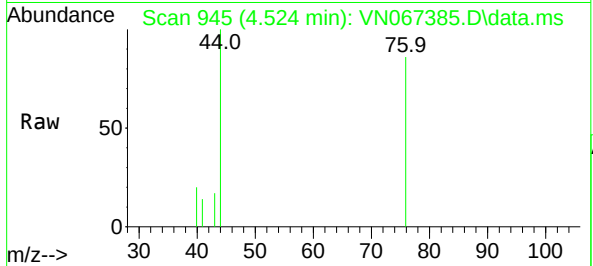




#17
Carbon Disulfide
Concen: 0.230 ug/l
RT: 4.524 min Scan# 945
Delta R.T. 0.003 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

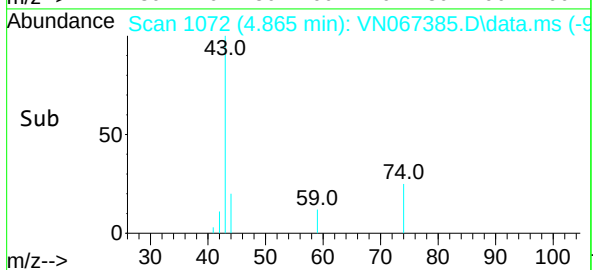
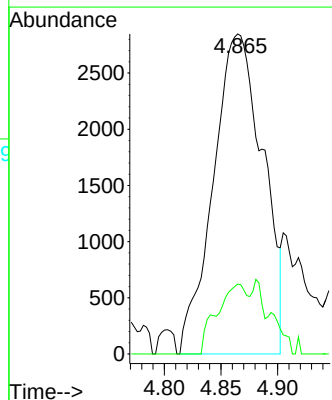
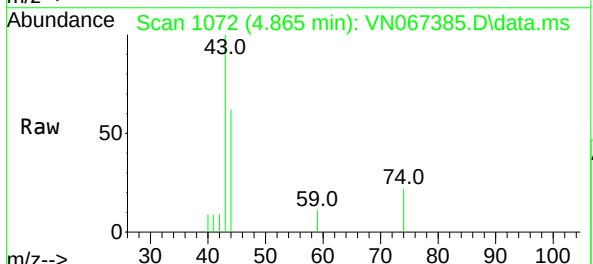
Instrument :
MSVOA_N
ClientSampled :

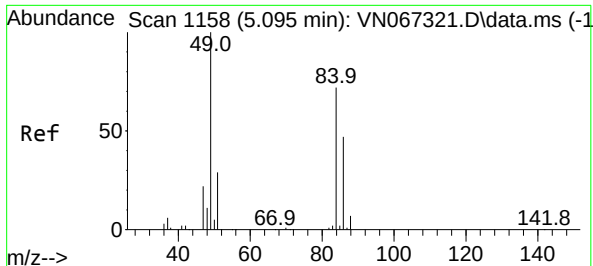
Tgt Ion: 76 Resp: 2857
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: 1.473 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.009 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

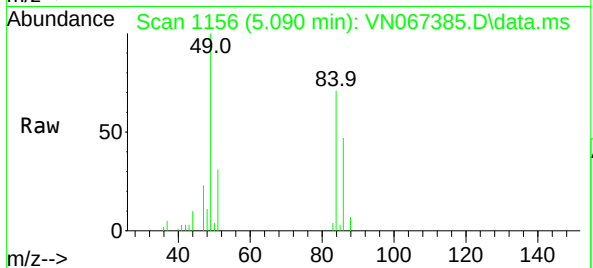
Tgt Ion: 43 Resp: 8678
Ion Ratio Lower Upper
43 100
74 13.7 17.4 26.0#



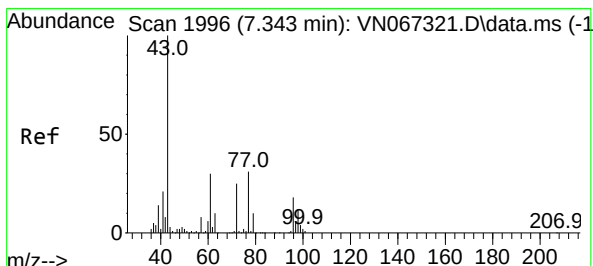
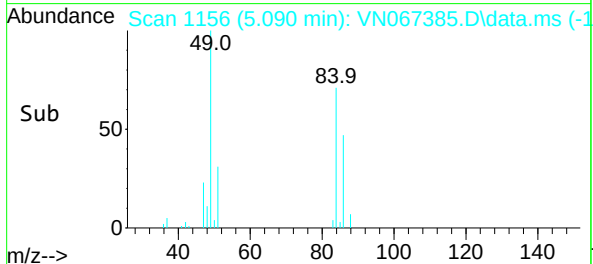
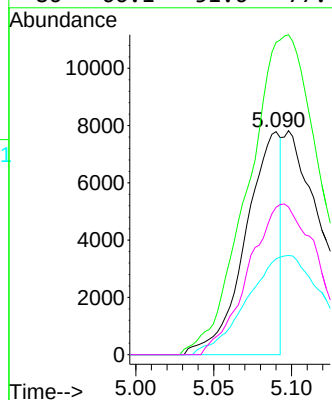


#20
Methylene Chloride
Concen: 2.403 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.005 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

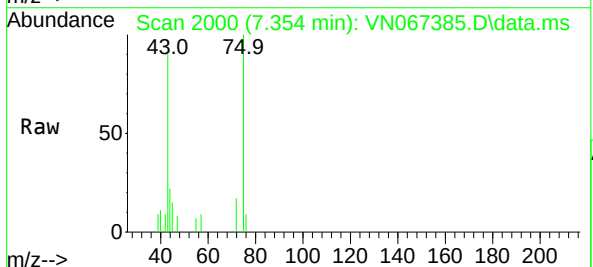
Instrument :
MSVOA_N
ClientSampled :



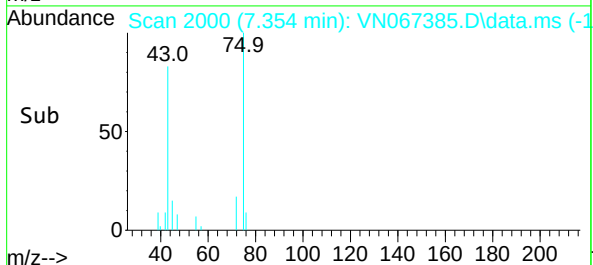
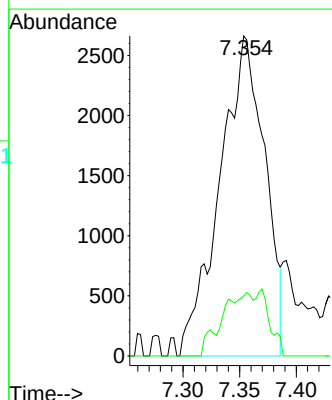
Tgt Ion:	84	Resp:	12146
Ion	Ratio	Lower	Upper
84	100		
49	140.0	110.9	166.3
51	43.0	32.6	49.0
86	66.1	51.6	77.4

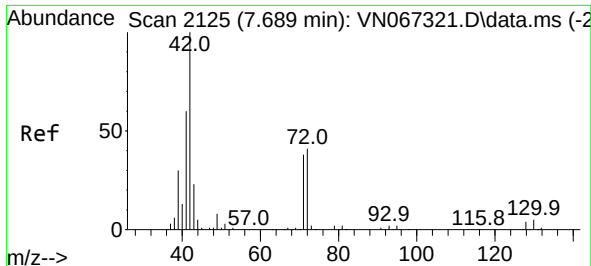


#25
2-Butanone
Concen: 2.115 ug/l
RT: 7.354 min Scan# 2000
Delta R.T. 0.011 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39



Tgt Ion:	43	Resp:	7342
Ion	Ratio	Lower	Upper
43	100		
72	18.7	19.7	29.5#





#29

Tetrahydrofuran

Concen: 0.744 ug/l

RT: 7.697 min Scan# 2128

Delta R.T. 0.008 min

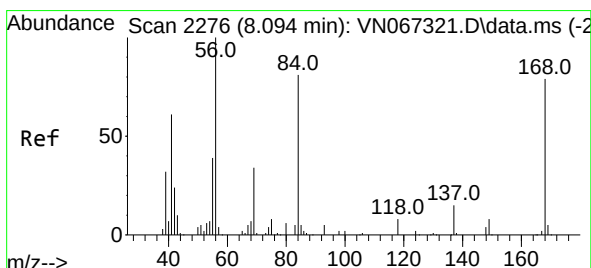
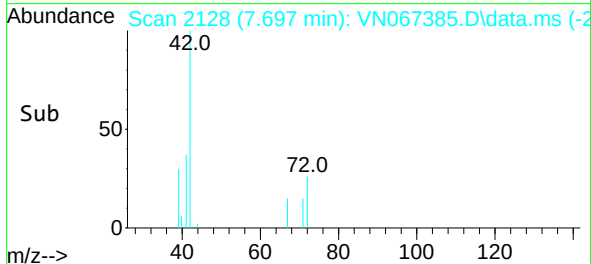
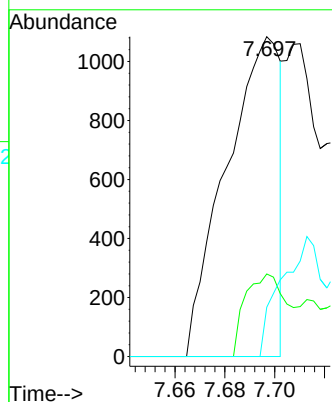
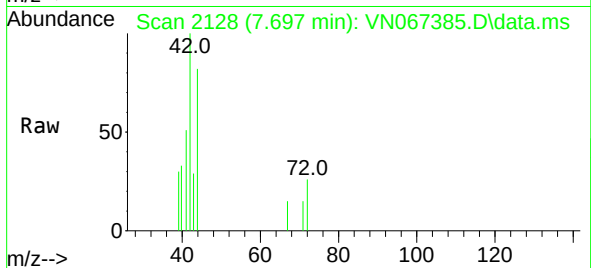
Lab File: VN067385.D

Acq: 17 Jun 2021 18:39

Tgt Ion: 42 Resp: 1629

Ion	Ratio	Lower	Upper
42	100		
72	19.6	32.8	49.2#
71	27.8	31.2	46.8#

Instrument :
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ClientSampleId :



#31

Cyclohexane

Concen: 1.238 ug/l

RT: 8.091 min Scan# 2275

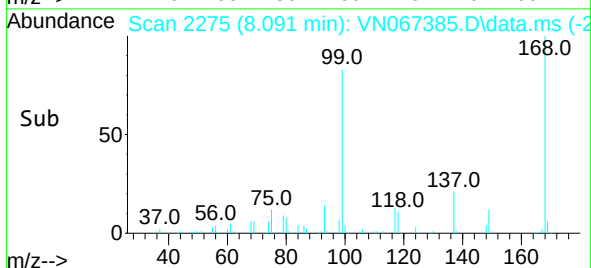
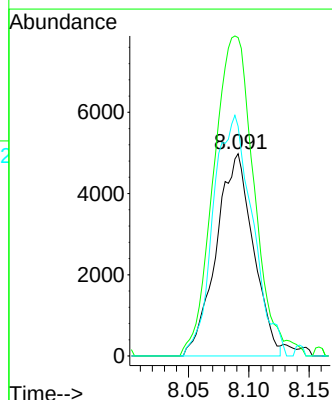
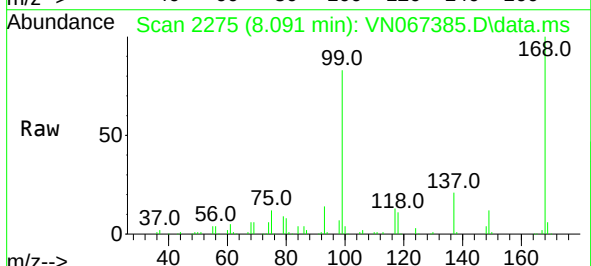
Delta R.T. -0.003 min

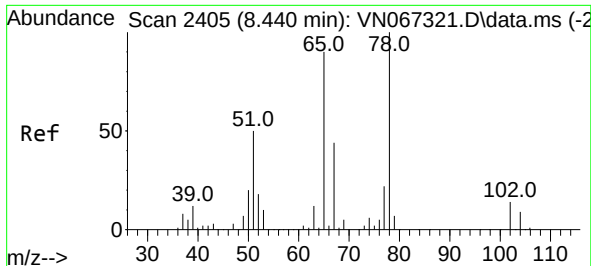
Lab File: VN067385.D

Acq: 17 Jun 2021 18:39

Tgt Ion: 56 Resp: 10650

Ion	Ratio	Lower	Upper
56	100		
69	157.4	27.3	40.9#
84	113.4	64.9	97.3#

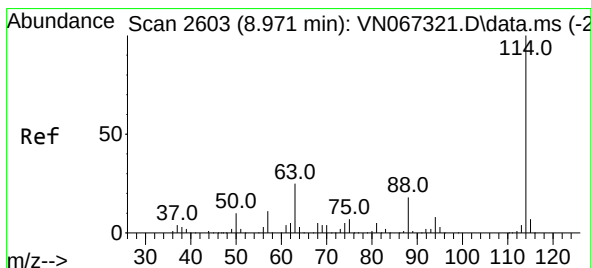
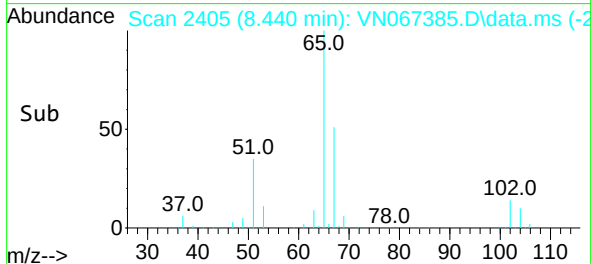
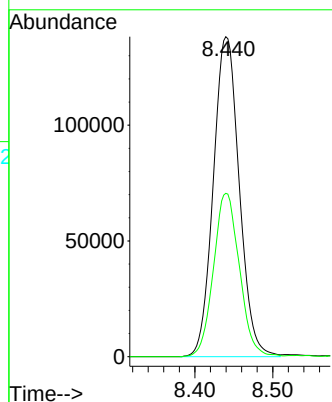
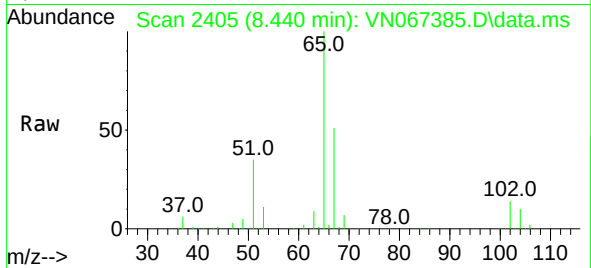




#33
1,2-Dichloroethane-d4
Concen: 50.526 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

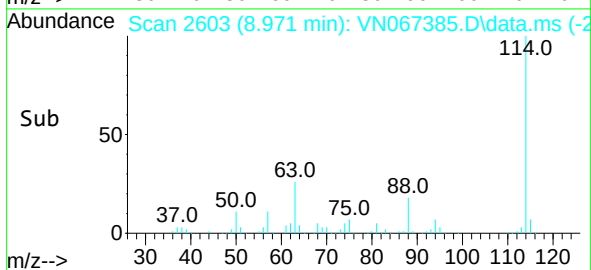
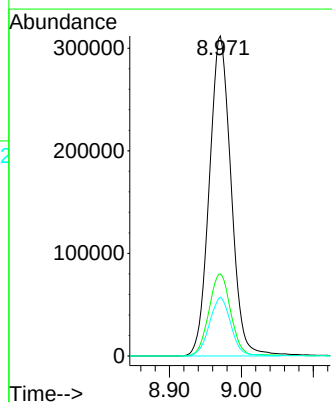
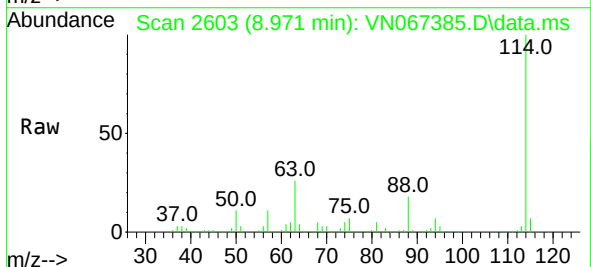
Instrument :
MSVOA_N
ClientSampled :

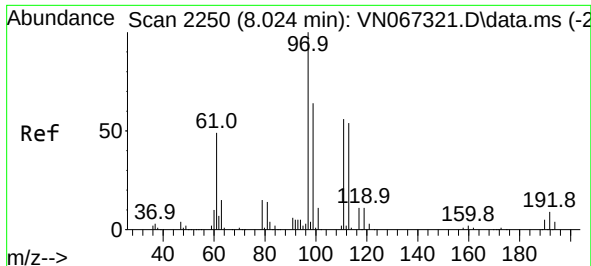
Tgt Ion: 65 Resp: 319813
Ion Ratio Lower Upper
65 100
67 51.0 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

Tgt Ion: 114 Resp: 654332
Ion Ratio Lower Upper
114 100
63 25.6 0.0 49.0
88 18.4 0.0 36.6

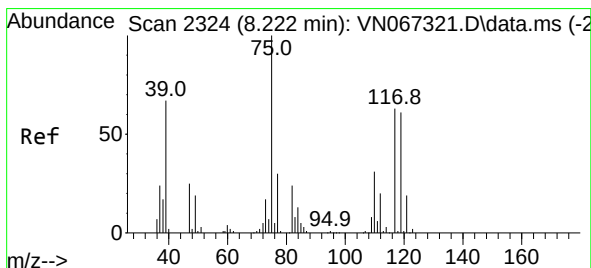
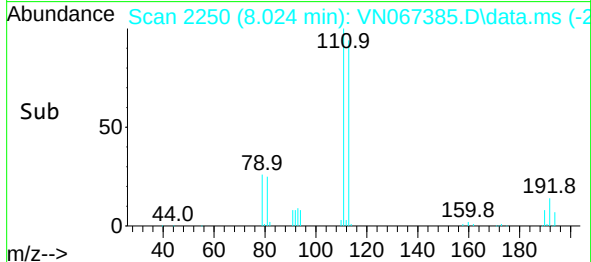
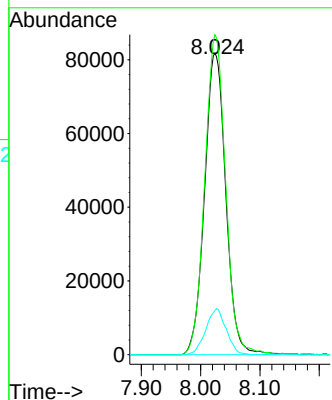
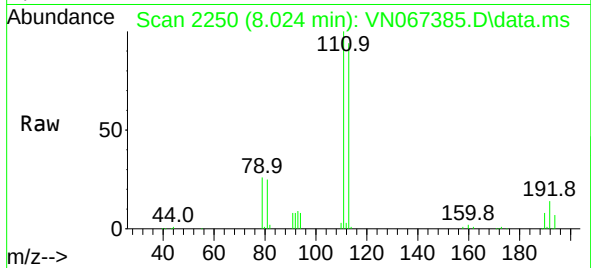




#35
Dibromofluoromethane
Concen: 46.763 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

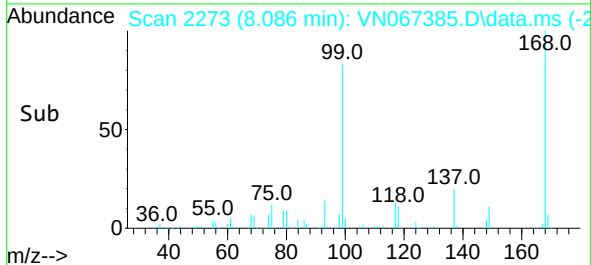
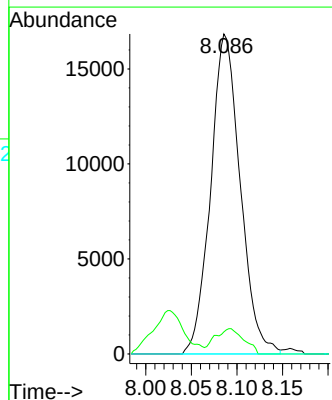
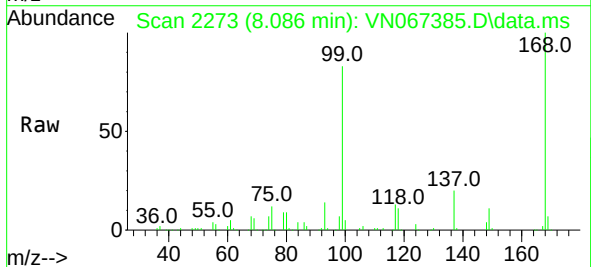
Instrument :
MSVOA_N
ClientSampled :

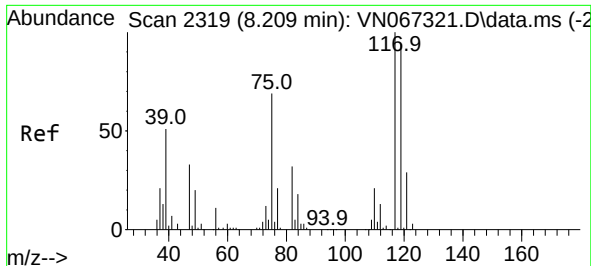
Tgt Ion:113 Resp: 203504
Ion Ratio Lower Upper
113 100
111 104.1 83.8 125.8
192 14.6 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.177 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

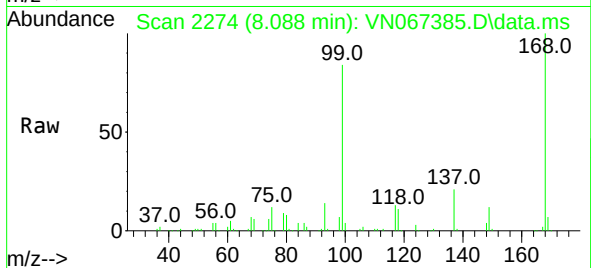
Tgt Ion: 75 Resp: 37976
Ion Ratio Lower Upper
75 100
110 7.7 15.7 47.0#
77 0.0 24.6 37.0#



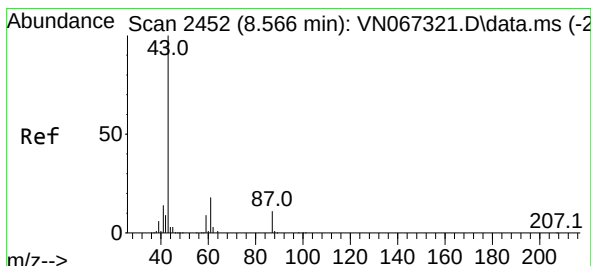
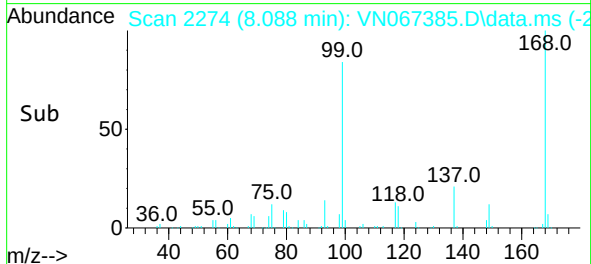
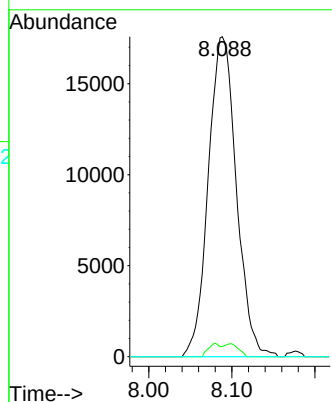


#38
Carbon Tetrachloride
Concen: 5.237 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

Instrument :
MSVOA_N
ClientSampled :

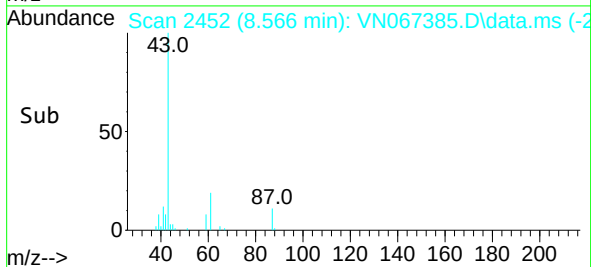
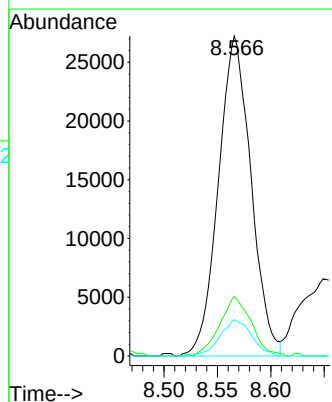
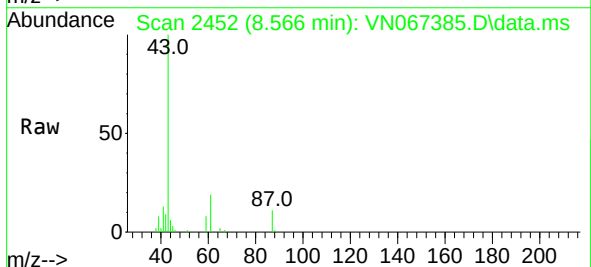


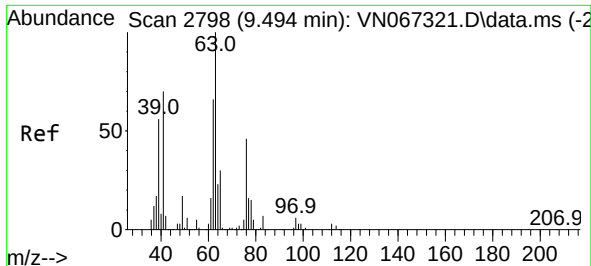
Tgt Ion:117 Resp: 41295
Ion Ratio Lower Upper
117 100
119 3.2 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 4.146 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

Tgt Ion: 43 Resp: 57836
Ion Ratio Lower Upper
43 100
61 17.9 19.0 28.4#
87 10.9 9.5 14.3

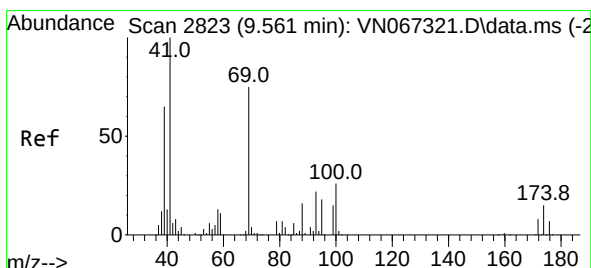
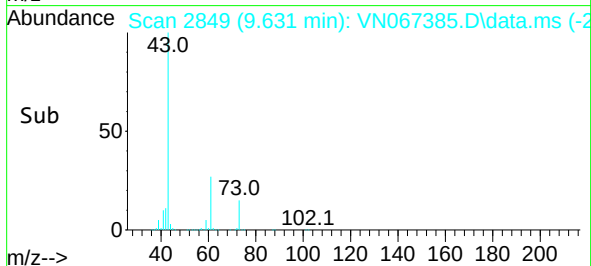
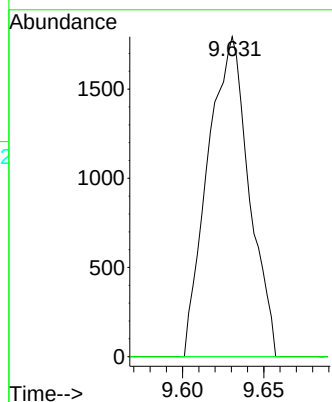
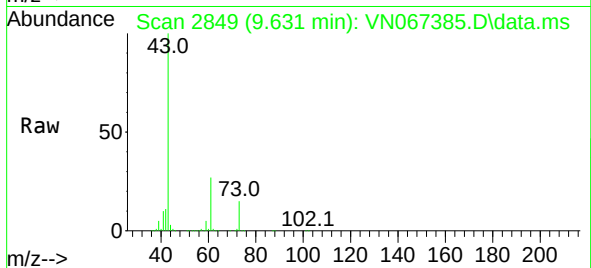




#45
1,2-Dichloropropane
Concen: 0.581 ug/l
RT: 9.631 min Scan# 2849
Delta R.T. 0.137 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

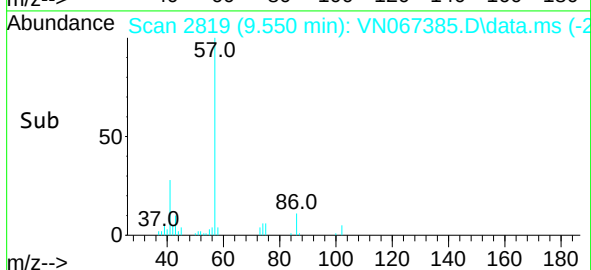
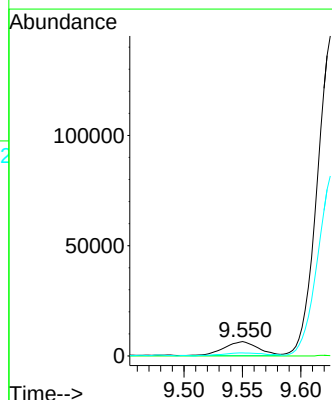
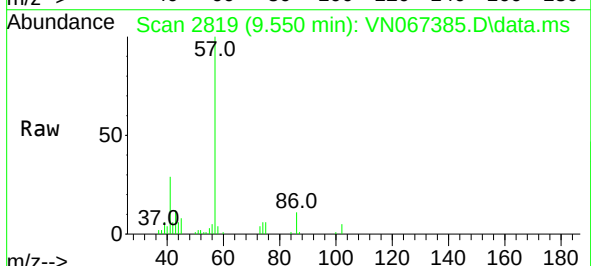
Instrument :
MSVOA_N
ClientSampled :

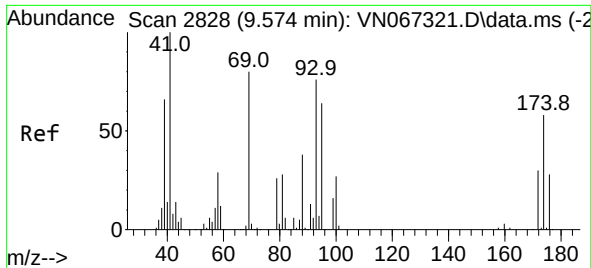
Tgt Ion: 63 Resp: 3174
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.004 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

Tgt Ion: 41 Resp: 12749
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

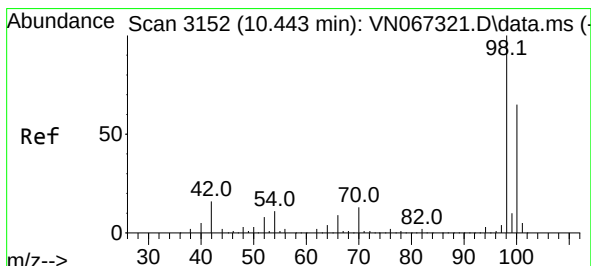
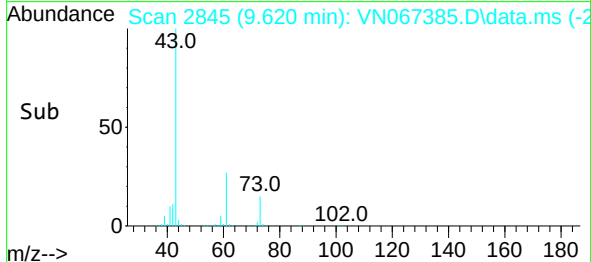
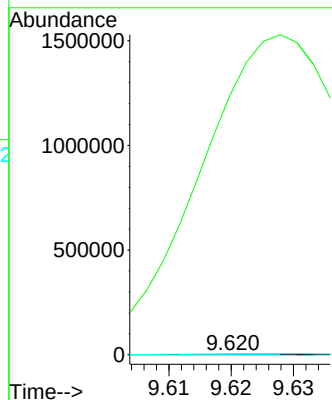
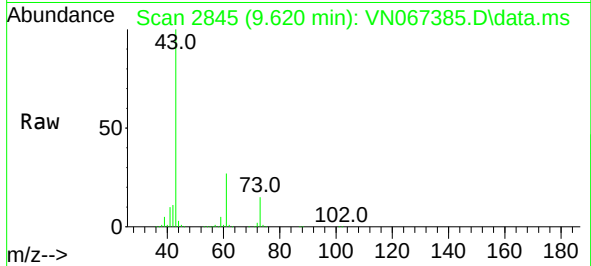




#49
1,4-Dioxane
Concen: 2.033 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.046 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

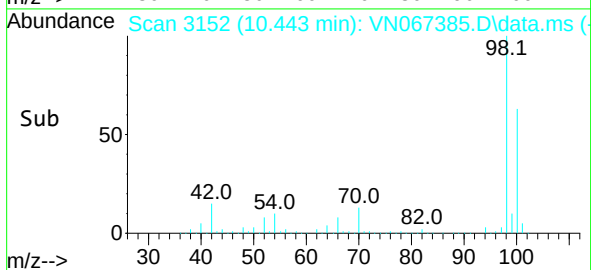
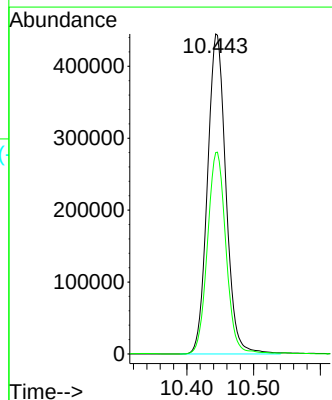
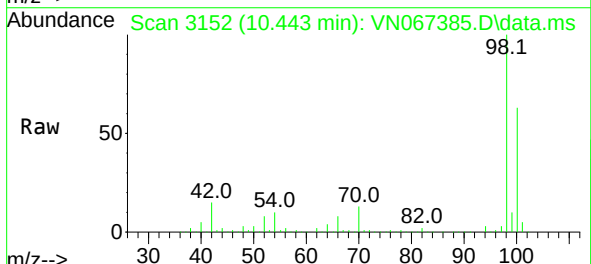
Instrument :
MSVOA_N
ClientSampleId :

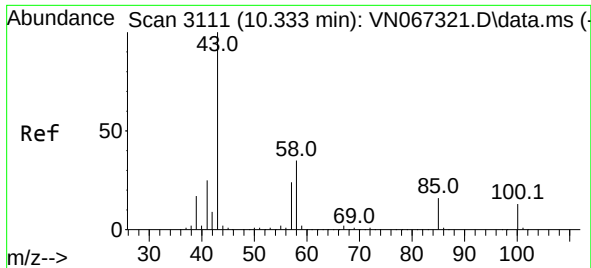
Tgt Ion: 88 Resp: 177
Ion Ratio Lower Upper
88 100
43 1636739.0 28.8 43.2#
58 5980.8 60.4 90.6#



#50
Toluene-d8
Concen: 51.173 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

Tgt Ion: 98 Resp: 853556
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5

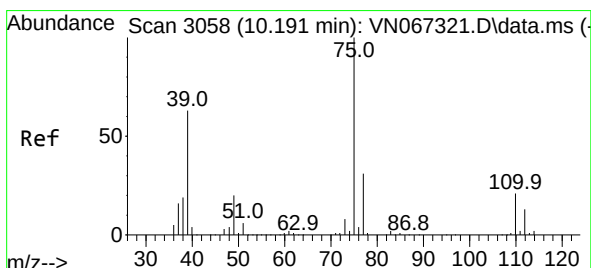
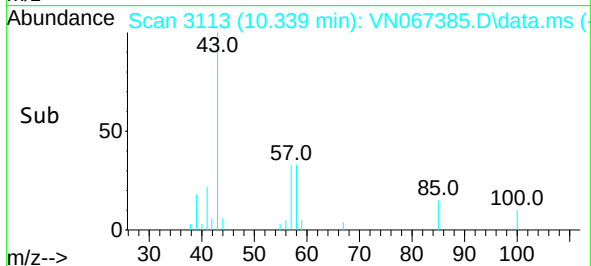
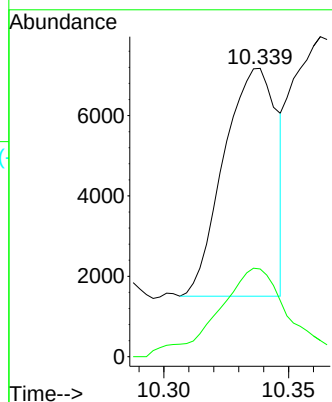
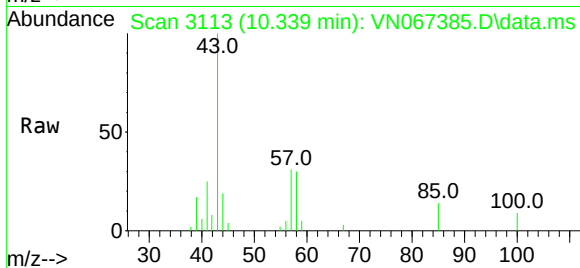




#51
4-Methyl-2-Pentanone
Concen: 1.043 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.006 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

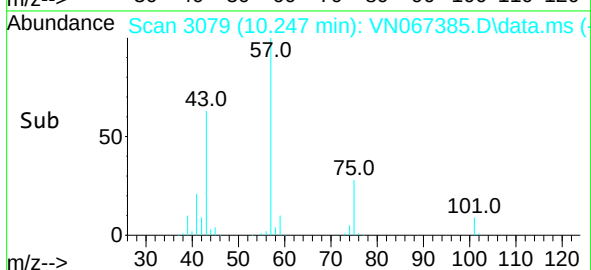
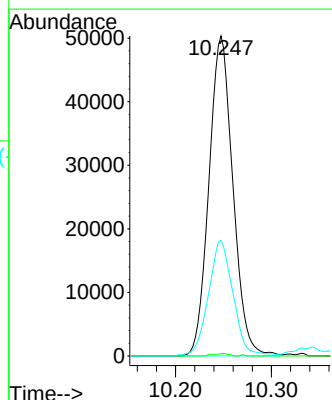
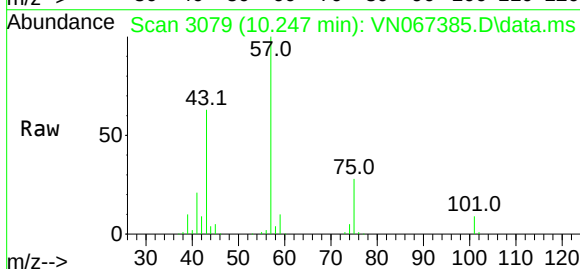
Instrument :
MSVOA_N
ClientSampled :

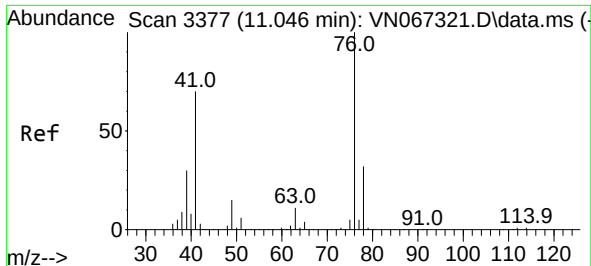
Tgt Ion: 43 Resp: 8378
Ion Ratio Lower Upper
43 100
58 52.7 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 9.368 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

Tgt Ion: 75 Resp: 87379
Ion Ratio Lower Upper
75 100
77 0.7 24.6 37.0#
39 35.8 50.7 76.1#

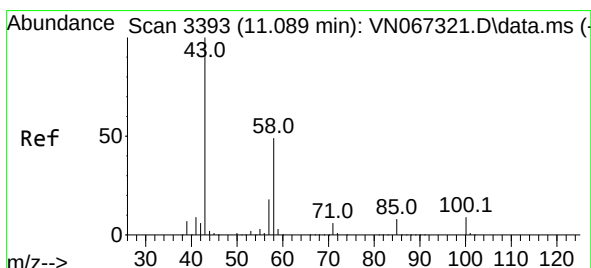
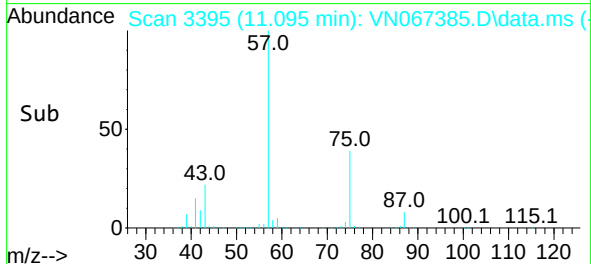
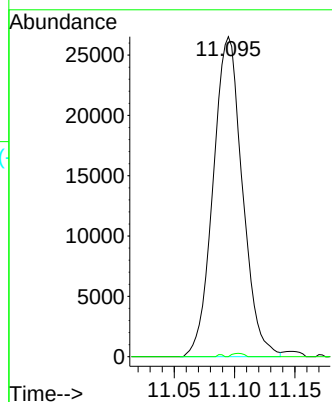
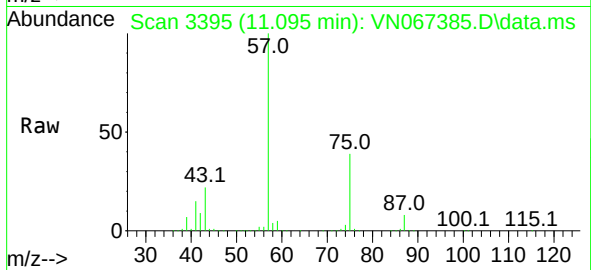




#57
1,3-Dichloropropane
Concen: 4.931 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.049 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

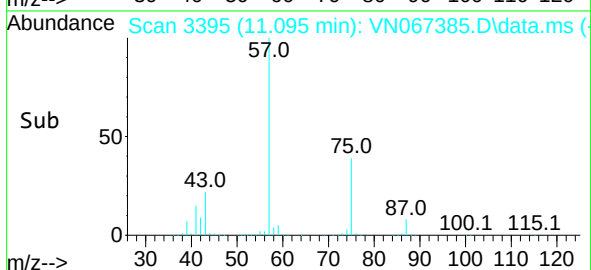
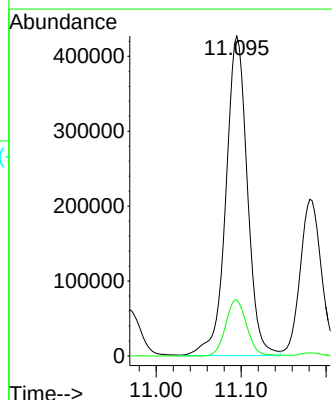
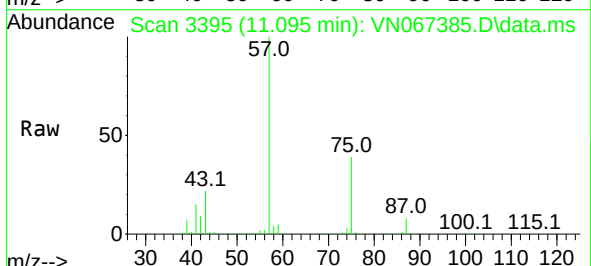
Instrument :
MSVOA_N
ClientSampled :

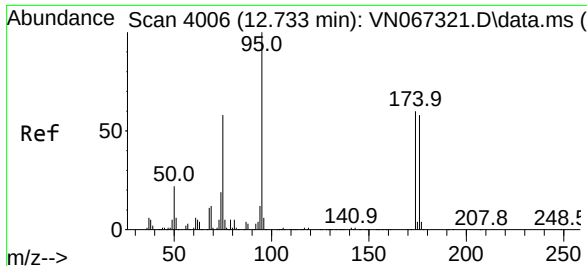
Tgt Ion: 76 Resp: 44838
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#



#59
2-Hexanone
Concen: 127.831 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

Tgt Ion: 43 Resp: 752148
Ion Ratio Lower Upper
43 100
58 17.3 24.7 74.1#

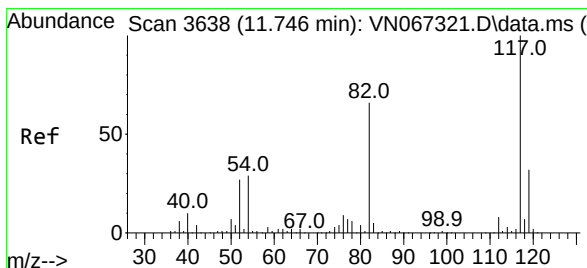
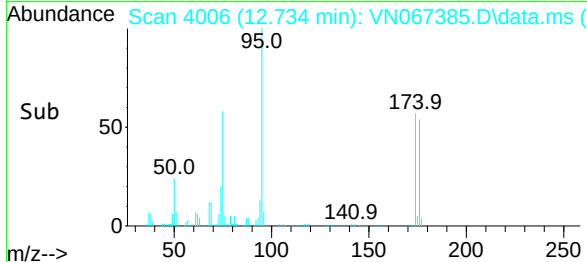
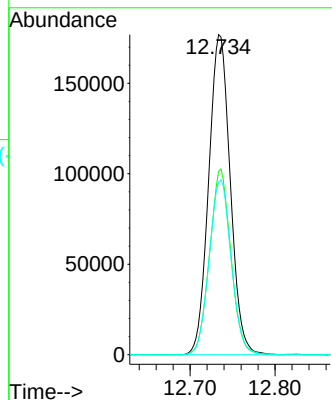
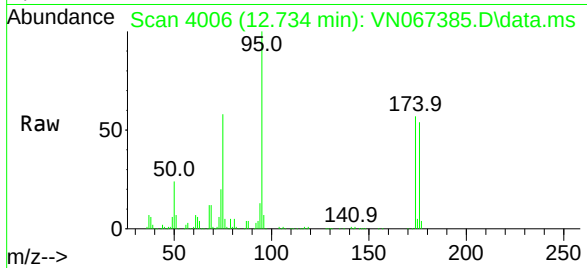




#62
4-Bromofluorobenzene
Concen: 45.255 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

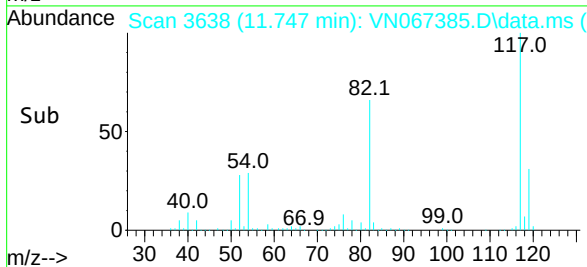
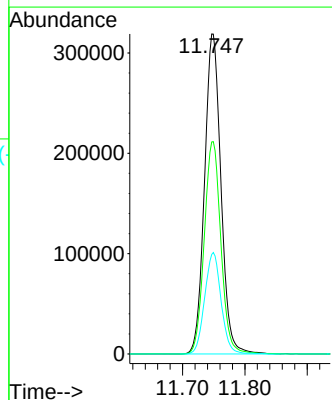
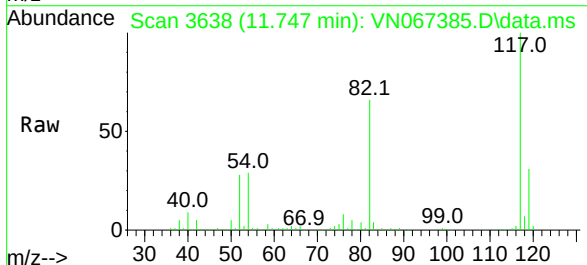
Instrument :
MSVOA_N
ClientSampled :

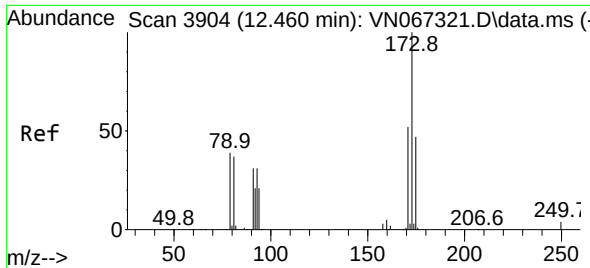
Tgt Ion: 95 Resp: 311516
Ion Ratio Lower Upper
95 100
174 57.2 0.0 122.0
176 55.8 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

Tgt Ion: 117 Resp: 584934
Ion Ratio Lower Upper
117 100
82 66.2 53.1 79.7
119 31.1 25.5 38.3

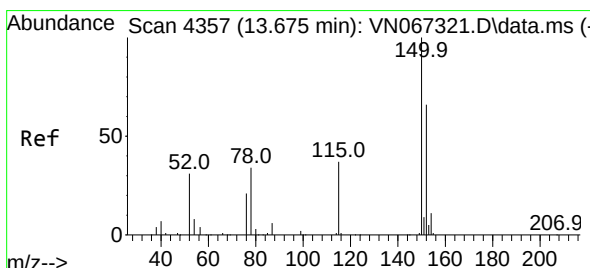
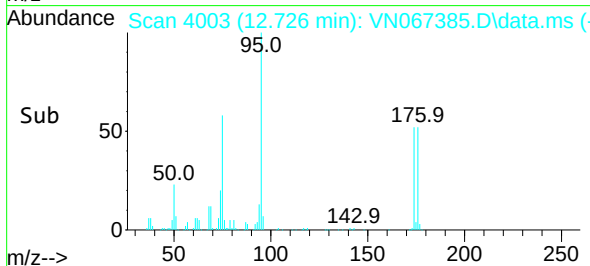
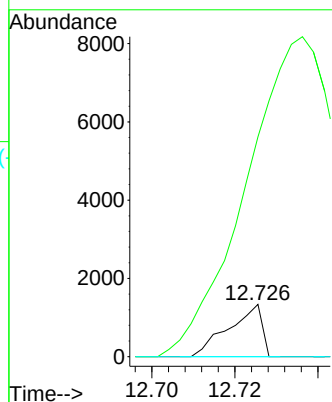
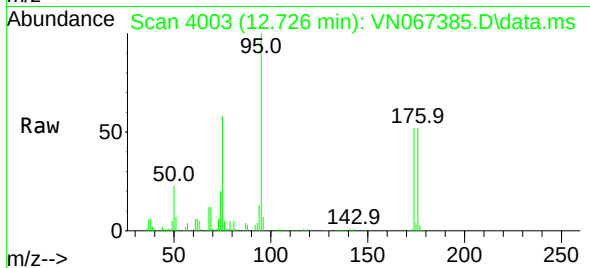




#71
Bromoform
Concen: 0.205 ug/l
RT: 12.726 min Scan# 4003
Delta R.T. 0.266 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

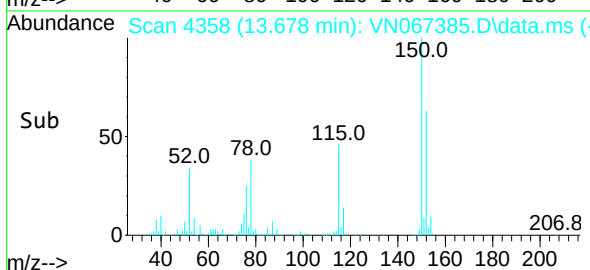
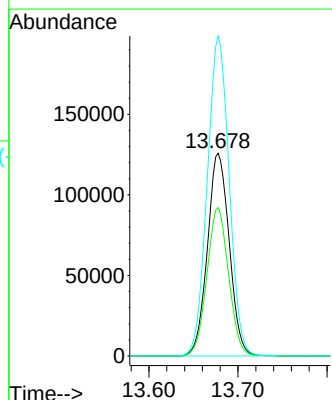
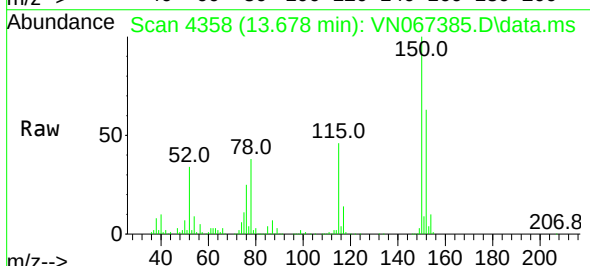
Instrument :
MSVOA_N
ClientSampleId :

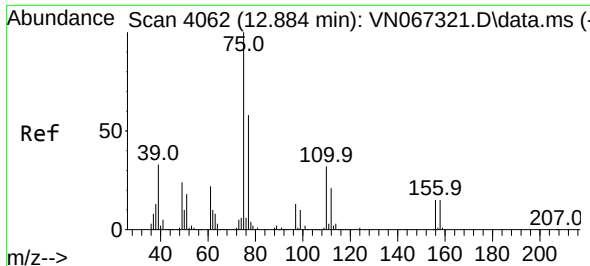
Tgt Ion:173 Resp: 743
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

Tgt Ion:152 Resp: 214290
Ion Ratio Lower Upper
152 100
115 72.6 36.1 108.5
150 158.3 0.0 351.8

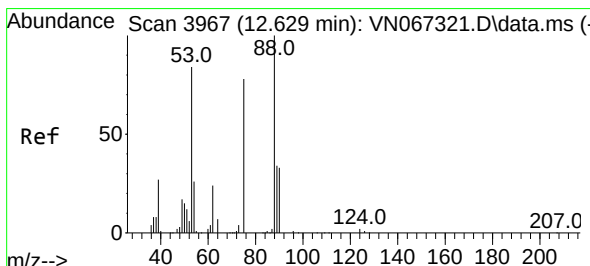
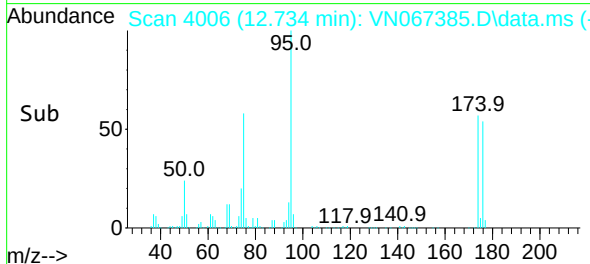
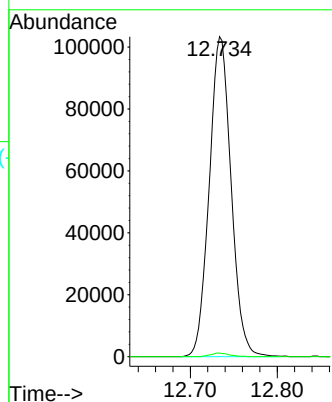
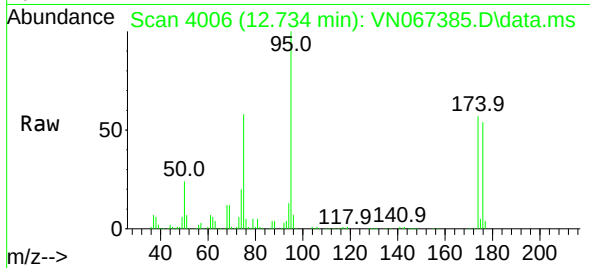




#76
1,2,3-Trichloropropane
Concen: 32.447 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

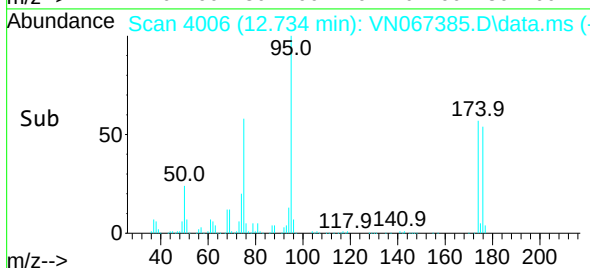
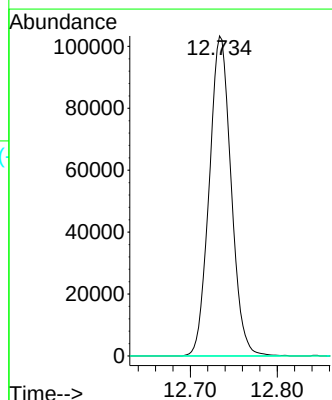
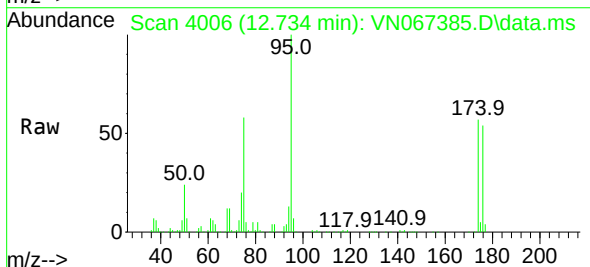
Instrument :
MSVOA_N
ClientSampleId :

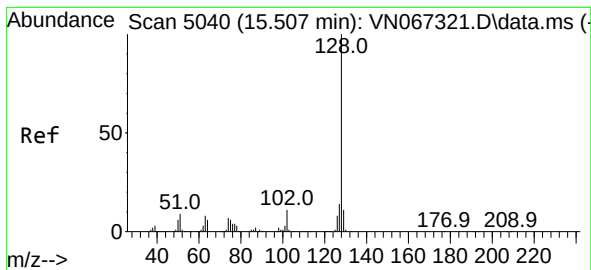
Tgt Ion: 75 Resp: 180558
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.413 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

Tgt Ion: 75 Resp: 180558
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 2.797 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067385.D
Acq: 17 Jun 2021 18:39

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 2608
Ion Ratio Lower Upper
128 100
127 5.1 10.6 15.8#
129 2.0 8.6 12.8#

