

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051821\
 Data File : VN067132.D
 Acq On : 18 May 2021 17:15
 Operator : JC/MD
 Sample : PB136489ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 19 02:51:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 18 04:00:15 2021
 Response via : Initial Calibration

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

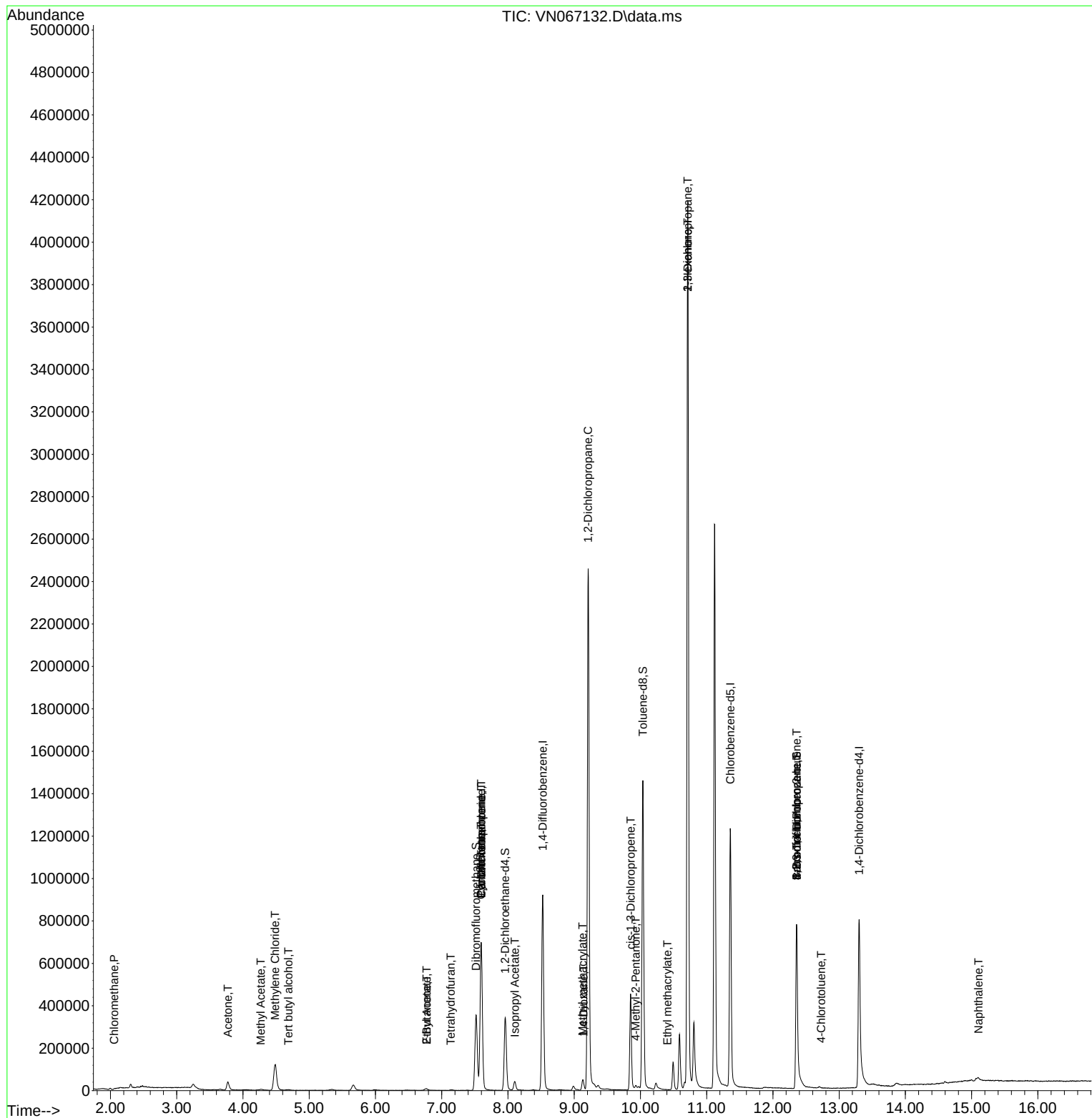
Internal Standards						
1) Pentafluorobenzene	7.597	168	674191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	924893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.357	117	812170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.302	152	332358	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	304825	41.85	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	83.70%		
35) Dibromofluoromethane	7.519	113	283021	46.60	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.20%		
50) Toluene-d8	10.038	98	1083627	47.08	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.16%		
62) 4-Bromofluorobenzene	12.357	95	336299	43.62	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.24%		
Target Compounds						Qvalue
3) Chloromethane	2.056	50	1817	0.24	ug/l	90
11) Tert butyl alcohol	4.684	59	810	0.67	ug/l #	87
13) Acrolein	3.566	56	1345	Below Cal	#	55
16) Acetone	3.772	43	62889	27.78	ug/l	99
18) Methyl Acetate	4.269	43	3747	0.56	ug/l #	67
20) Methylene Chloride	4.486	84	105148	14.25	ug/l	98
25) 2-Butanone	6.774	43	11573	3.28	ug/l	94
29) Tetrahydrofuran	7.138	42	973	0.44	ug/l #	52
31) Cyclohexane	7.594	56	9402	0.94	ug/l #	1
36) 1,1-Dichloropropene	7.597	75	38140	4.52	ug/l #	48
37) Ethyl Acetate	6.774	43	11573	1.55	ug/l #	65
38) Carbon Tetrachloride	7.597	117	54172	6.03	ug/l #	16
43) Isopropyl Acetate	8.104	43	49654	4.01	ug/l #	90
45) 1,2-Dichloropropane	9.209	63	3527	0.53	ug/l #	45
48) Methyl methacrylate	9.126	41	11304	3.77	ug/l #	9
49) 1,4-Dioxane	9.139	88	25	0.28	ug/l #	1
51) 4-Methyl-2-Pentanone	9.930	43	14121	7.26	ug/l #	83
54) cis-1,3-Dichloropropene	9.852	75	95626	8.61	ug/l #	58
56) Ethyl methacrylate	10.408	69	235	1.96	ug/l #	31
57) 1,3-Dichloropropane	10.713	76	48953	4.66	ug/l #	42
59) 2-Hexanone	10.713	43	575884	131.42	ug/l #	48
71) Bromoform	12.357	173	1001	1.92	ug/l #	1
76) 1,2,3-Trichloropropane	12.357	75	147321	21.00	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.357	75	147321	63.32	ug/l #	15
82) 4-Chlorotoluene	12.728	91	251	1.19	ug/l #	39
95) Naphthalene	15.104	128	16930	4.38	ug/l	95

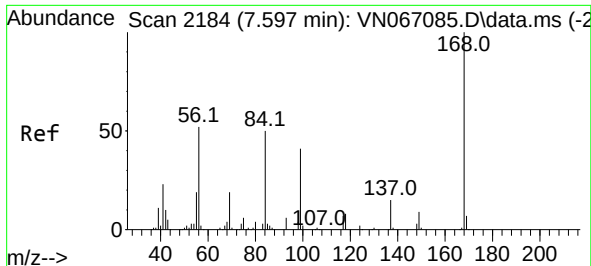
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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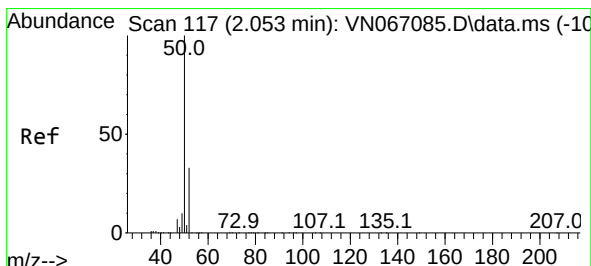
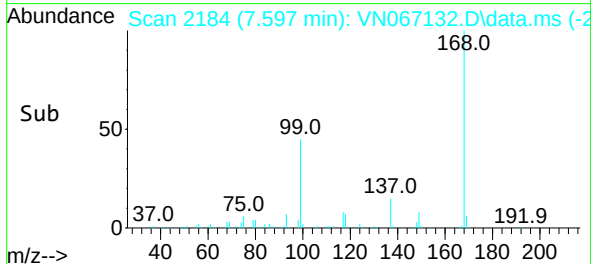
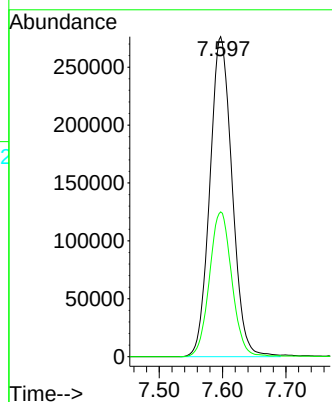
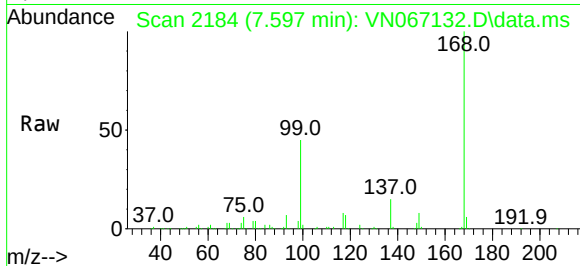




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.000 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

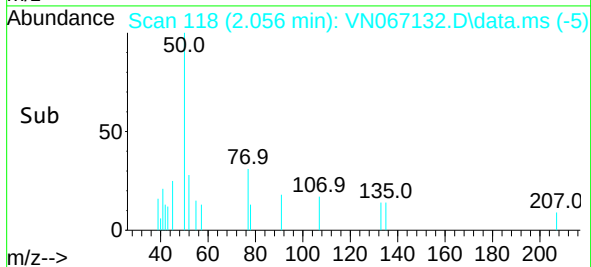
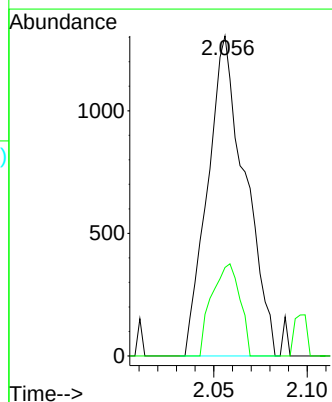
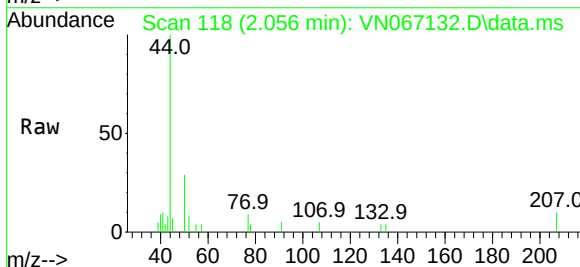
Instrument :
MSVOA_N
ClientSampled :

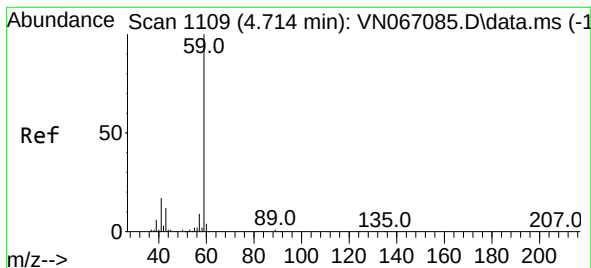
Tgt Ion:168 Resp: 674191
Ion Ratio Lower Upper
168 100
99 45.3 38.5 57.7



#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.056 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

Tgt Ion: 50 Resp: 1817
Ion Ratio Lower Upper
50 100
52 27.7 26.5 39.7

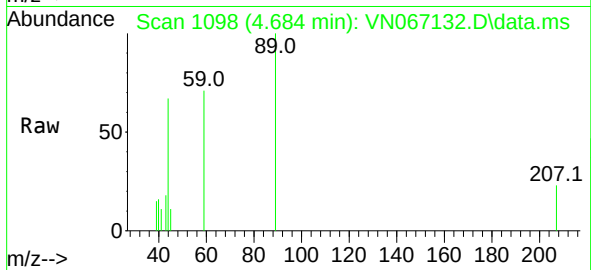




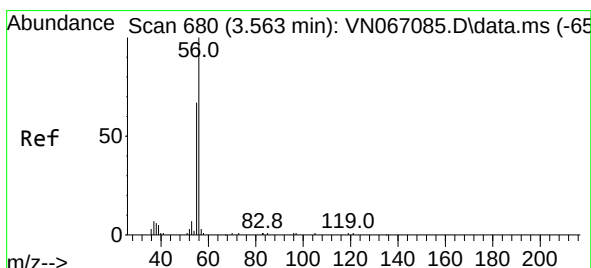
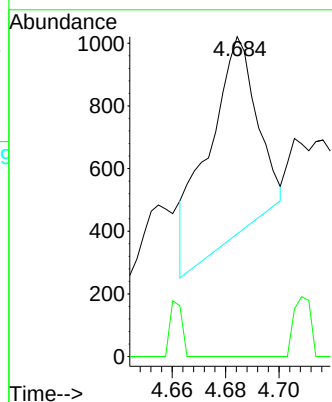
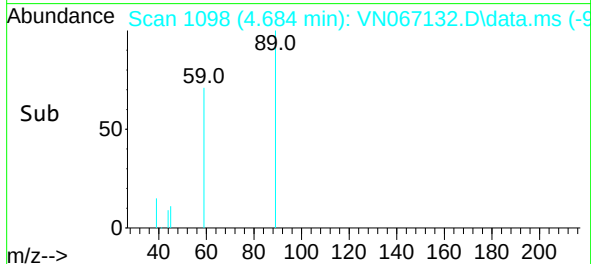
#11

Tert butyl alcohol
Concen: 0.67 ug/l
RT: 4.684 min Scan# 1098
Delta R.T. -0.030 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

Instrument :
MSVOA_N
ClientSampled :

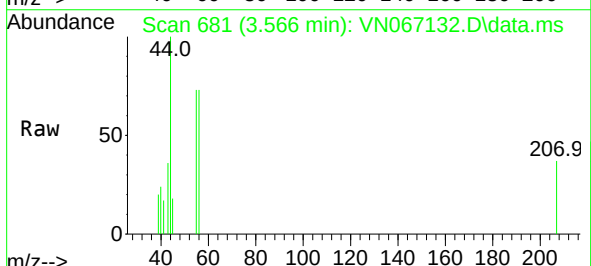


Tgt Ion: 59 Resp: 810
Ion Ratio Lower Upper
59 100
57 0.0 3.5 5.3#

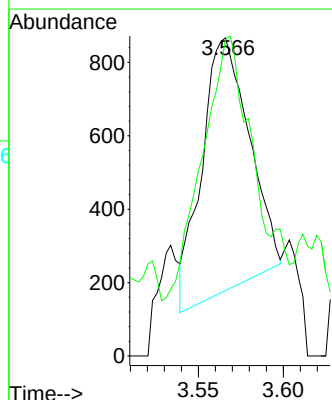
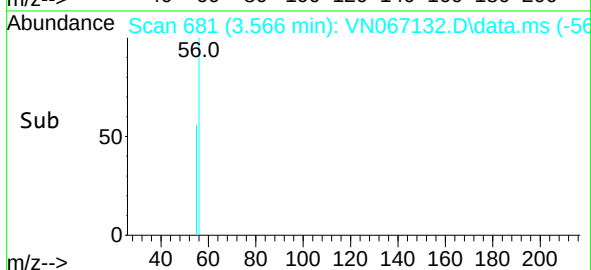


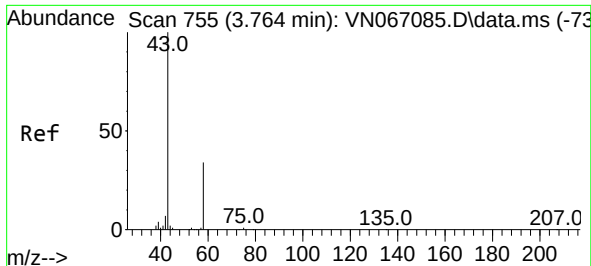
#13

Acrolein
Concen: Below Cal
RT: 3.566 min Scan# 681
Delta R.T. 0.003 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15



Tgt Ion: 56 Resp: 1345
Ion Ratio Lower Upper
56 100
55 103.3 53.8 80.6#

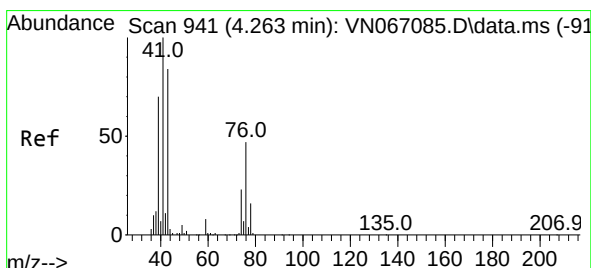
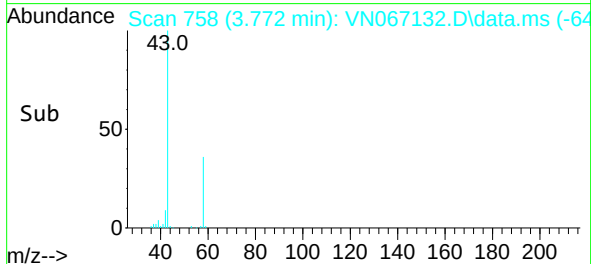
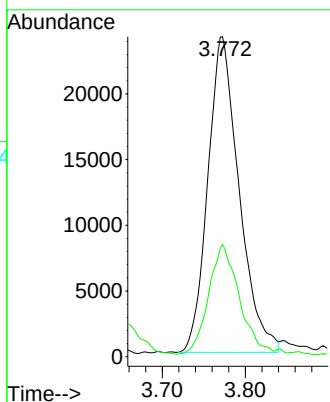
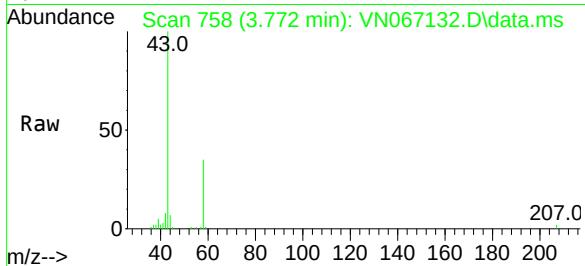




#16
Acetone
Concen: 27.78 ug/l
RT: 3.772 min Scan# 758
Delta R.T. 0.008 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

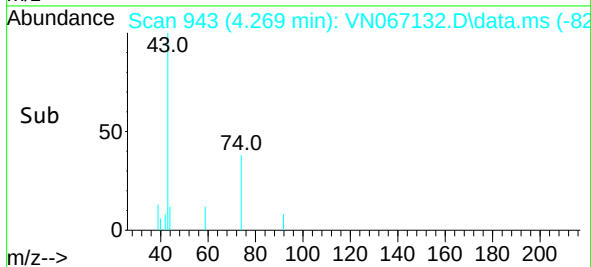
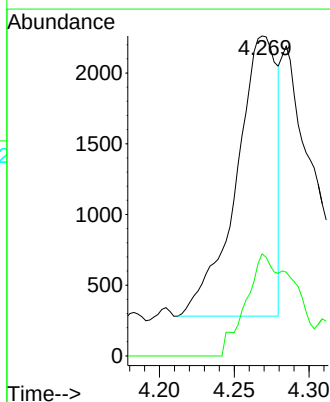
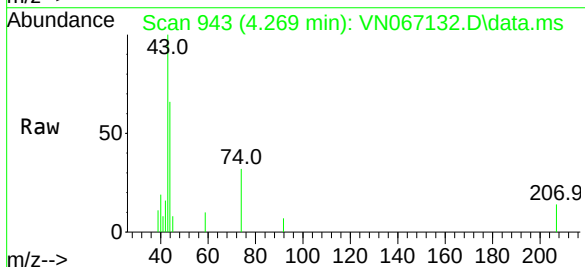
Instrument :
MSVOA_N
ClientSampled :

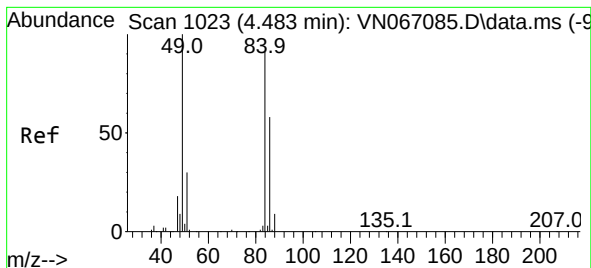
Tgt Ion: 43 Resp: 62889
Ion Ratio Lower Upper
43 100
58 34.7 27.2 40.8



#18
Methyl Acetate
Concen: 0.56 ug/l
RT: 4.269 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

Tgt Ion: 43 Resp: 3747
Ion Ratio Lower Upper
43 100
74 43.8 21.4 32.2#





#20

Methylene Chloride

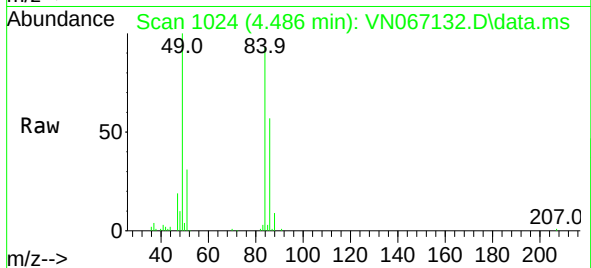
Concen: 14.25 ug/l

RT: 4.486 min Scan# 1024

Delta R.T. 0.003 min

Lab File: VN067132.D

Acq: 18 May 2021 17:15



Tgt Ion: 84 Resp: 105148

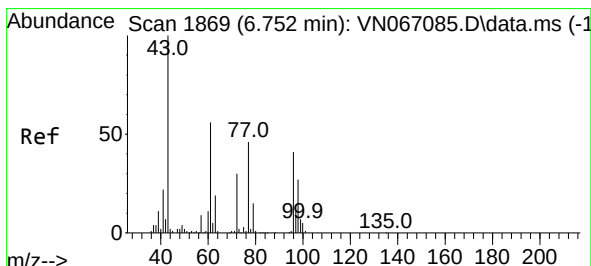
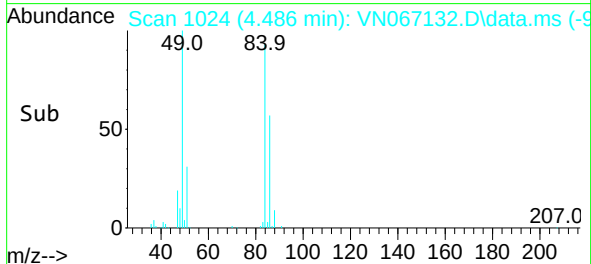
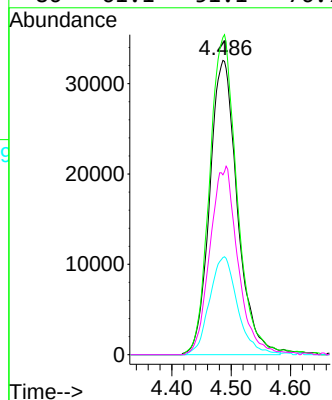
Ion Ratio Lower Upper

84 100

49 107.8 88.3 132.5

51 33.0 26.7 40.1

86 61.1 51.1 76.7



#25

2-Butanone

Concen: 3.28 ug/l

RT: 6.774 min Scan# 1877

Delta R.T. 0.022 min

Lab File: VN067132.D

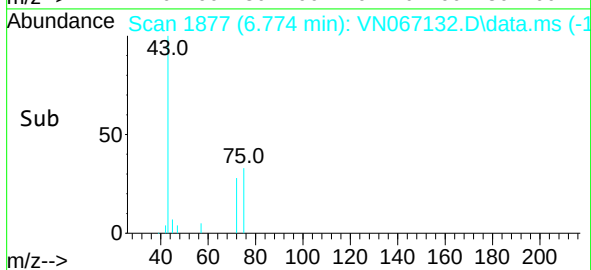
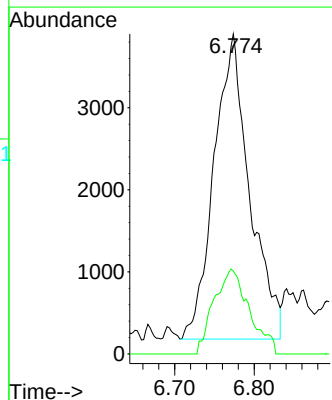
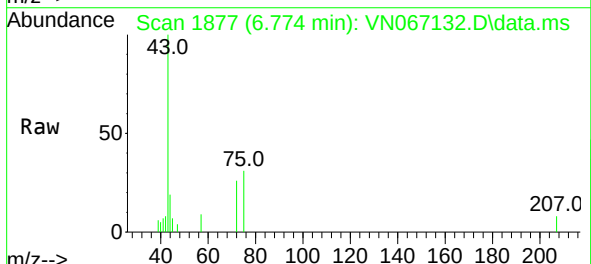
Acq: 18 May 2021 17:15

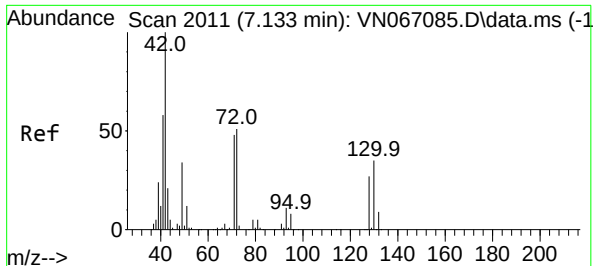
Tgt Ion: 43 Resp: 11573

Ion Ratio Lower Upper

43 100

72 27.2 24.4 36.6





#29

Tetrahydrofuran

Concen: 0.44 ug/l

RT: 7.138 min Scan# 2013

Delta R.T. 0.005 min

Lab File: VN067132.D

Acq: 18 May 2021 17:15

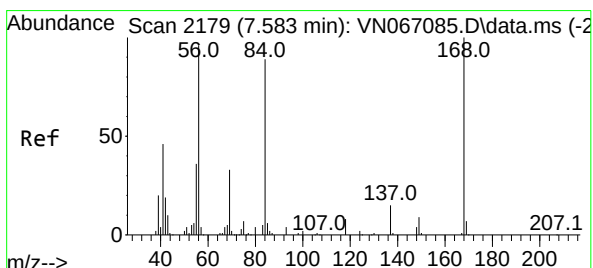
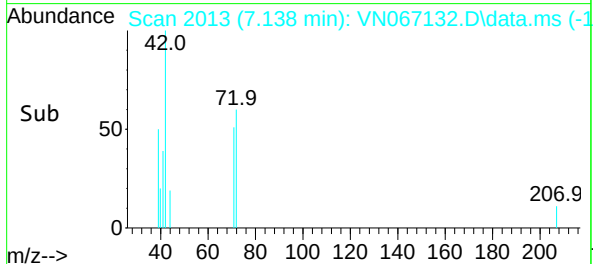
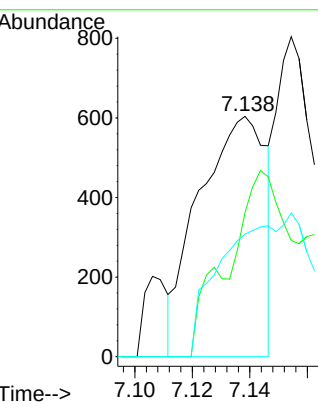
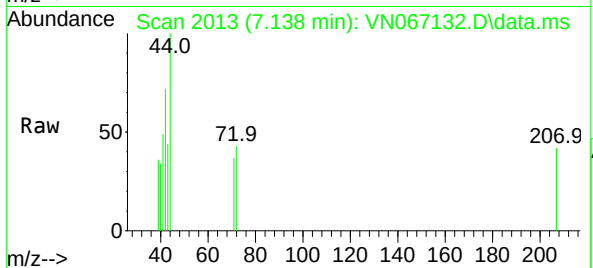
Tgt Ion: 42 Resp: 973

Ion Ratio Lower Upper

42 100

72 31.2 40.1 60.1#

71 0.0 37.9 56.9#



#31

Cyclohexane

Concen: 0.94 ug/l

RT: 7.594 min Scan# 2183

Delta R.T. 0.011 min

Lab File: VN067132.D

Acq: 18 May 2021 17:15

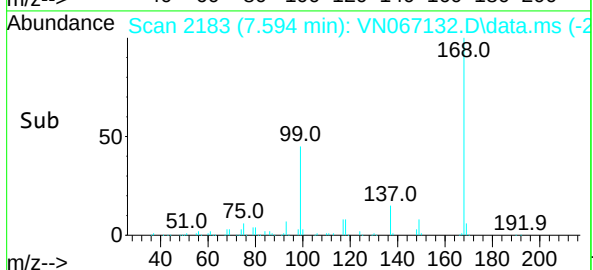
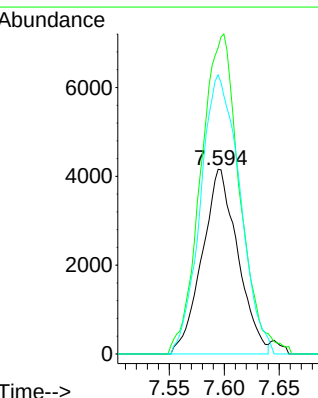
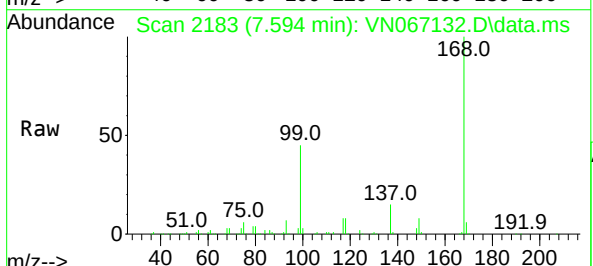
Tgt Ion: 56 Resp: 9402

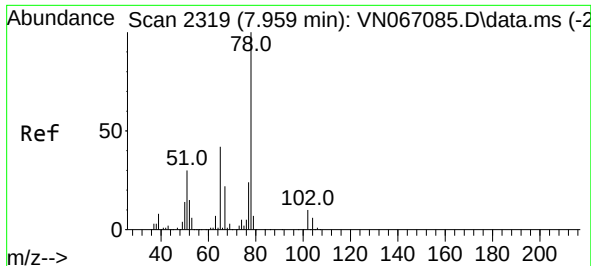
Ion Ratio Lower Upper

56 100

69 165.9 28.0 42.0#

84 151.2 74.2 111.2#





#33

1,2-Dichloroethane-d4

Concen: 41.85 ug/l

RT: 7.959 min Scan# 2319

Delta R.T. 0.000 min

Lab File: VN067132.D

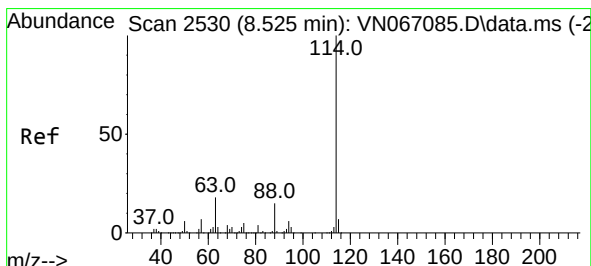
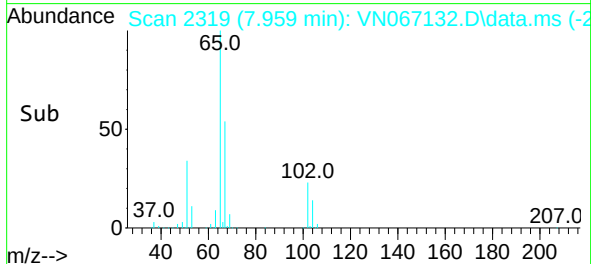
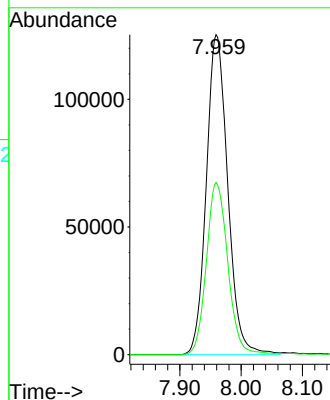
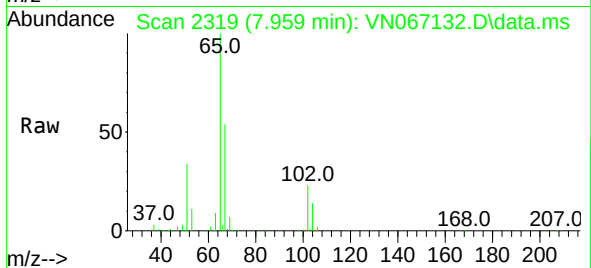
Acq: 18 May 2021 17:15

Tgt Ion: 65 Resp: 304825

Ion Ratio Lower Upper

65 100

67 53.8 0.0 110.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.525 min Scan# 2530

Delta R.T. -0.000 min

Lab File: VN067132.D

Acq: 18 May 2021 17:15

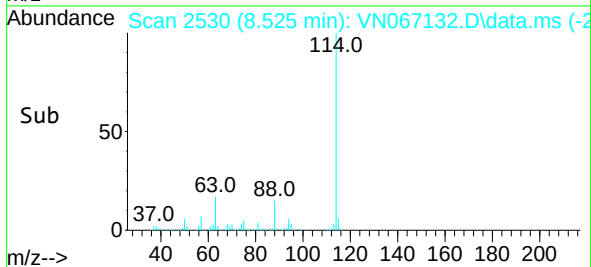
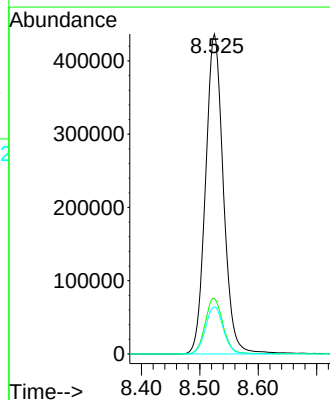
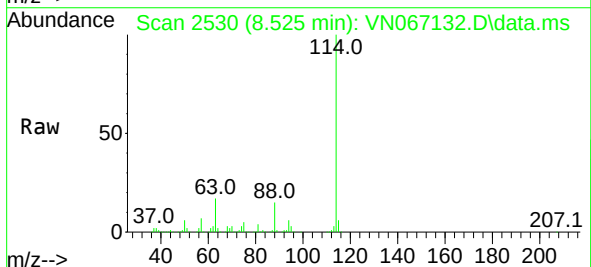
Tgt Ion: 114 Resp: 924893

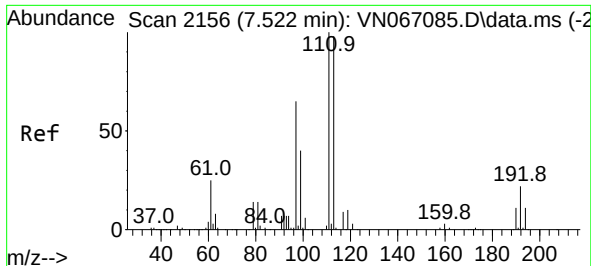
Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.8

88 14.8 0.0 30.4

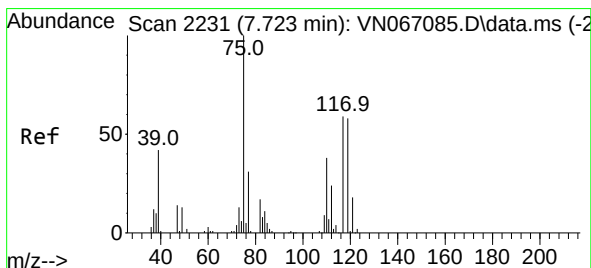
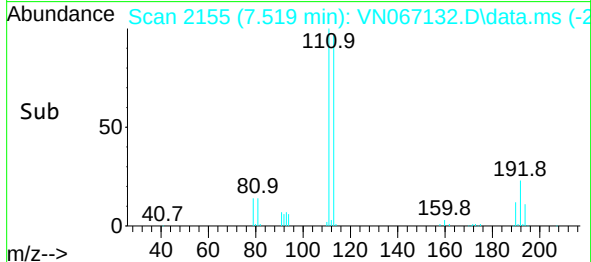
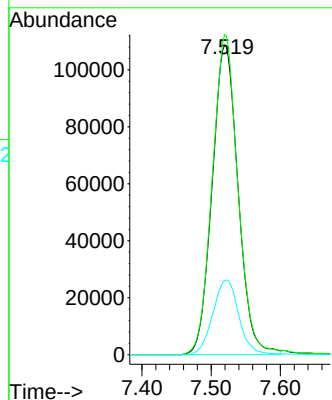
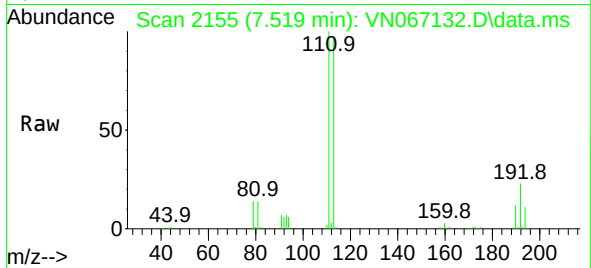




#35
Dibromofluoromethane
Concen: 46.60 ug/l
RT: 7.519 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

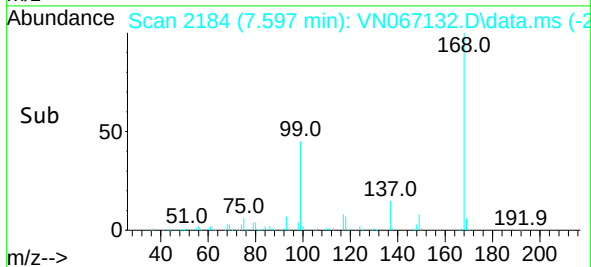
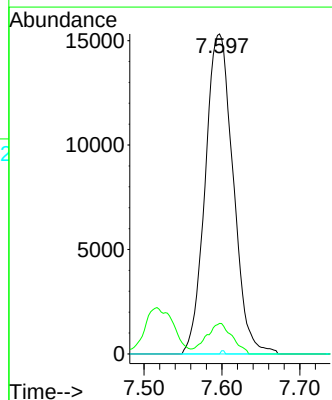
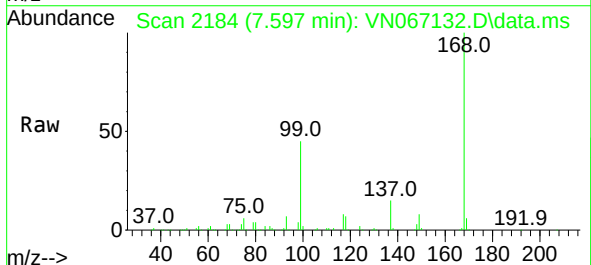
Instrument :
MSVOA_N
ClientSampleId :

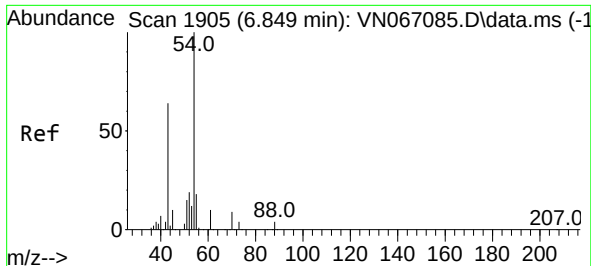
Tgt Ion:113 Resp: 283021
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 24.2 18.2 27.4



#36
1,1-Dichloropropene
Concen: 4.52 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.126 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

Tgt Ion: 75 Resp: 38140
Ion Ratio Lower Upper
75 100
110 8.9 19.1 57.3#
77 0.1 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.55 ug/l

RT: 6.774 min Scan# 1877

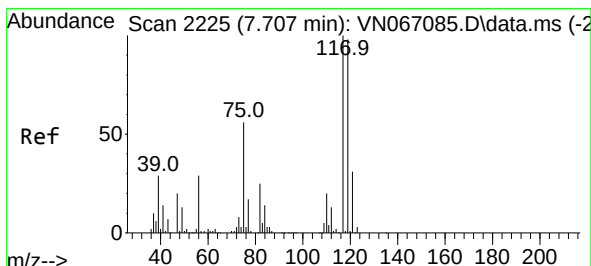
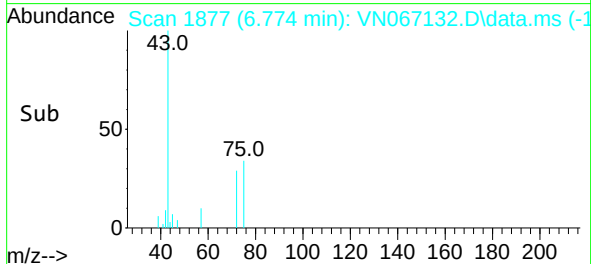
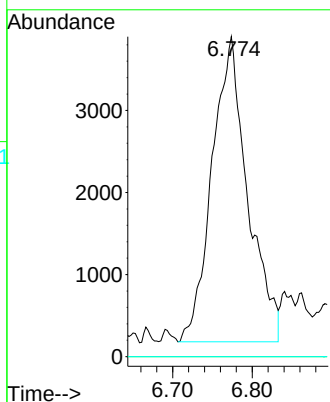
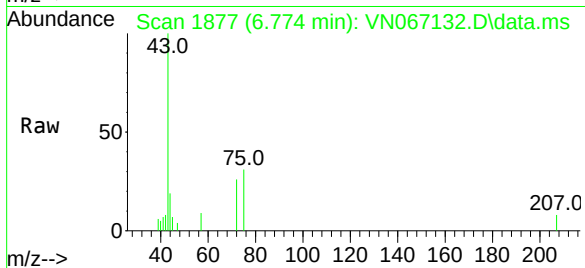
Delta R.T. -0.075 min

Lab File: VN067132.D

Acq: 18 May 2021 17:15

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	43	Resp:	11573
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.4#
70	0.0	9.2	13.8#



#38

Carbon Tetrachloride

Concen: 6.03 ug/l

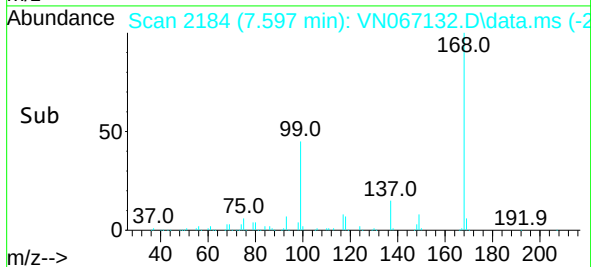
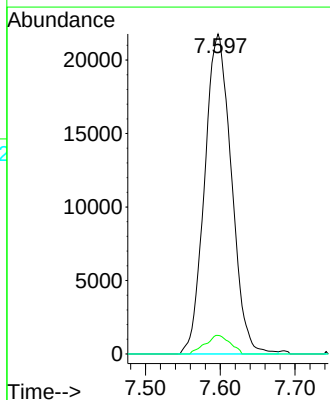
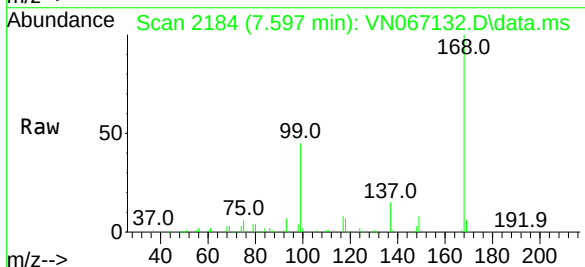
RT: 7.597 min Scan# 2184

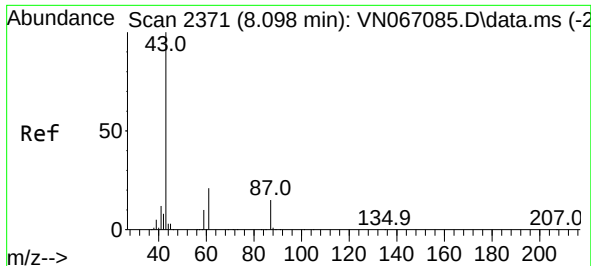
Delta R.T. -0.110 min

Lab File: VN067132.D

Acq: 18 May 2021 17:15

Tgt Ion:	117	Resp:	54172
Ion	Ratio	Lower	Upper
117	100		
119	5.8	78.2	117.2#
121	0.0	24.7	37.1#

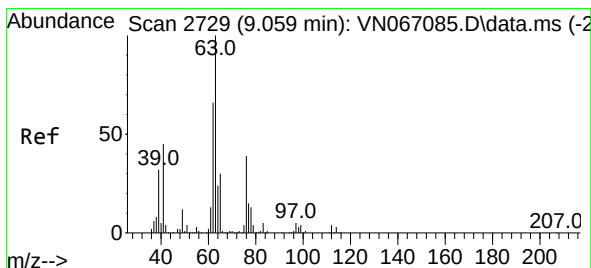
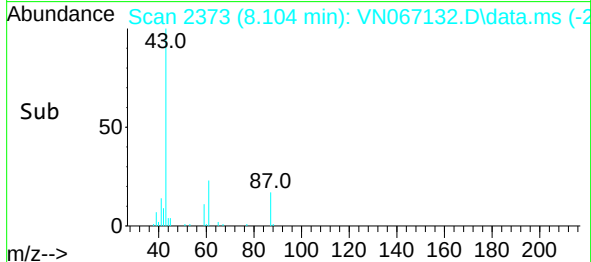
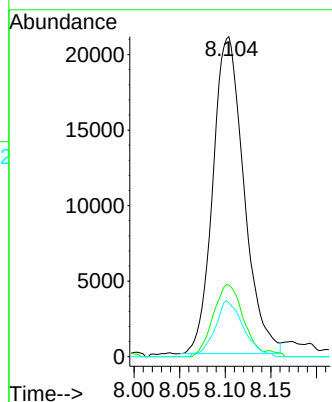
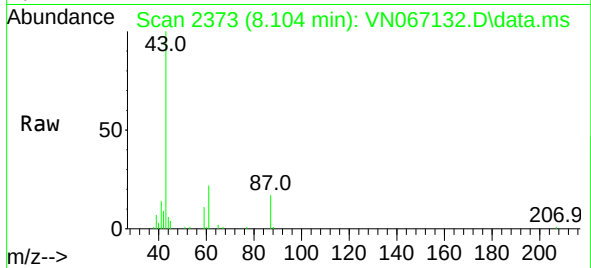




#43
Isopropyl Acetate
Concen: 4.01 ug/l
RT: 8.104 min Scan# 2373
Delta R.T. 0.006 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

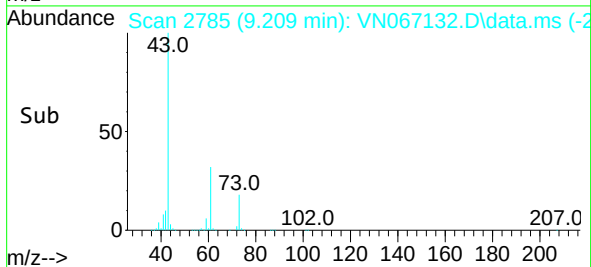
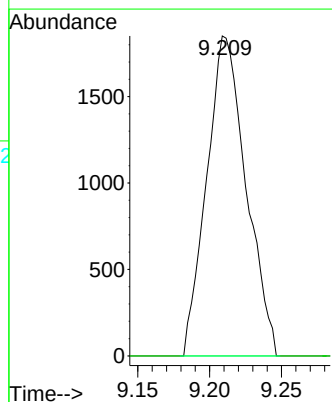
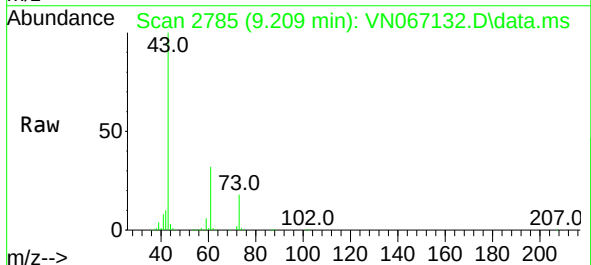
Instrument :
MSVOA_N
ClientSampled :

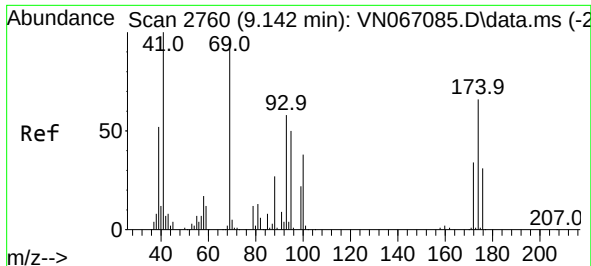
Tgt Ion: 43 Resp: 49654
Ion Ratio Lower Upper
43 100
61 21.8 23.4 35.0#
87 16.3 12.2 18.2



#45
1,2-Dichloropropane
Concen: 0.53 ug/l
RT: 9.209 min Scan# 2785
Delta R.T. 0.150 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

Tgt Ion: 63 Resp: 3527
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

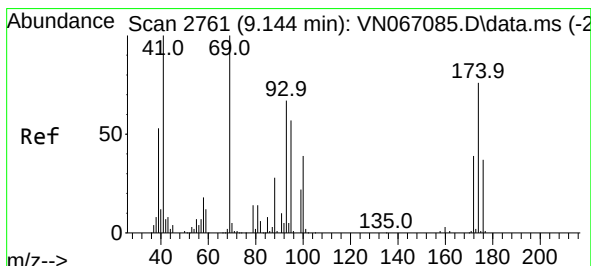
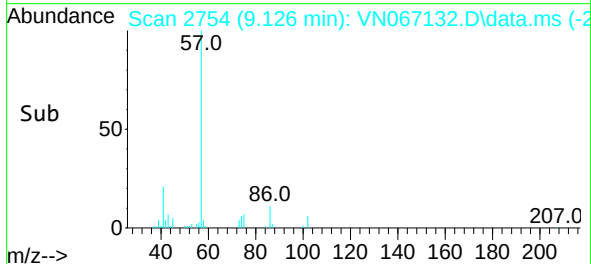
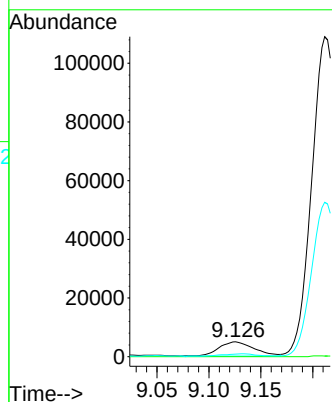
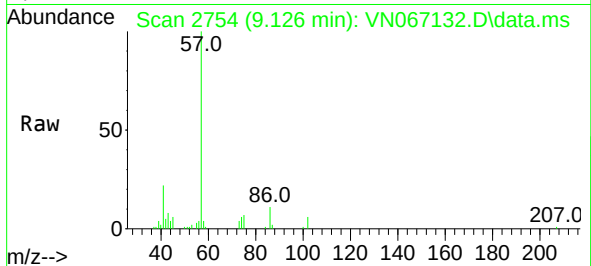




#48
Methyl methacrylate
Concen: 3.77 ug/l
RT: 9.126 min Scan# 2754
Delta R.T. -0.016 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

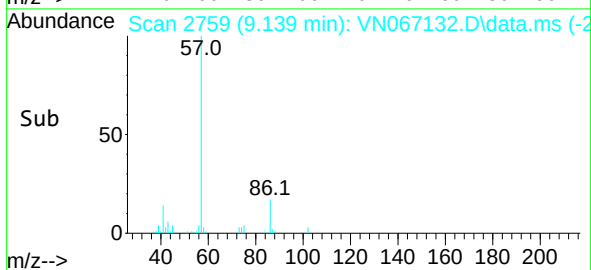
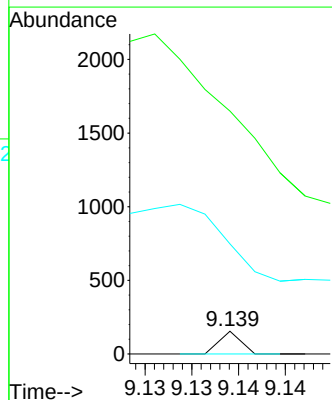
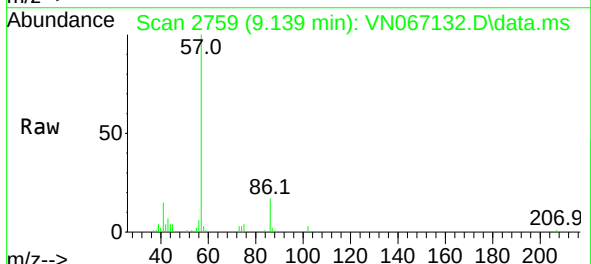
Instrument :
MSVOA_N
ClientSampleId :

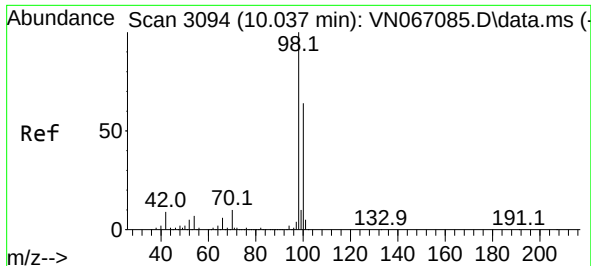
Tgt Ion: 41 Resp: 11304
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 0.0 41.4 62.0#



#49
1,4-Dioxane
Concen: 0.28 ug/l
RT: 9.139 min Scan# 2759
Delta R.T. -0.005 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 21.8 32.8#
58 8796.0 50.8 76.2#

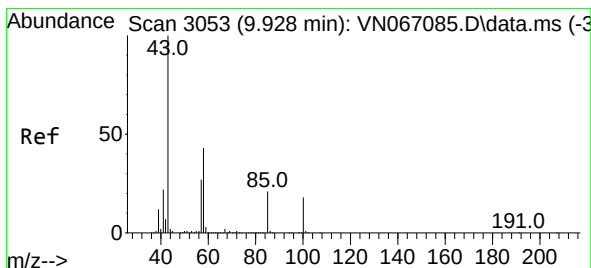
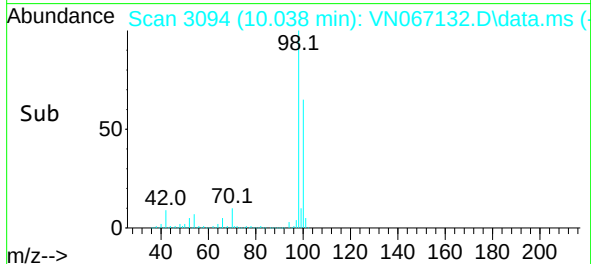
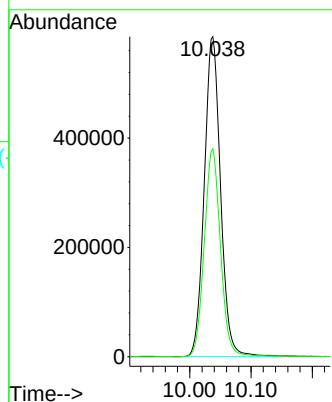
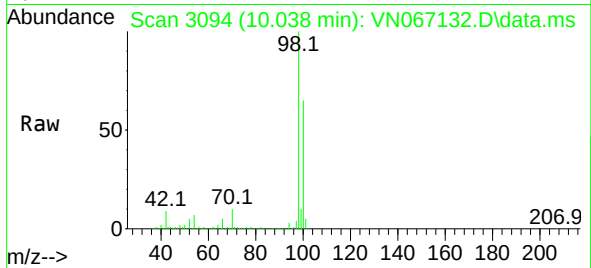




#50
Toluene-d8
Concen: 47.08 ug/l
RT: 10.038 min Scan# 3094
Delta R.T. 0.001 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

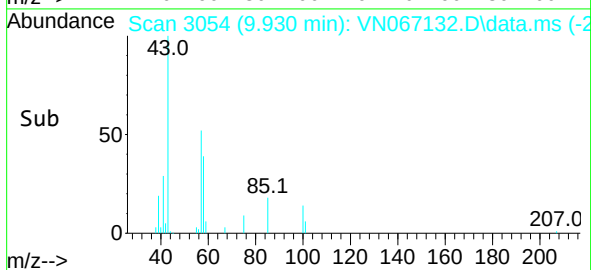
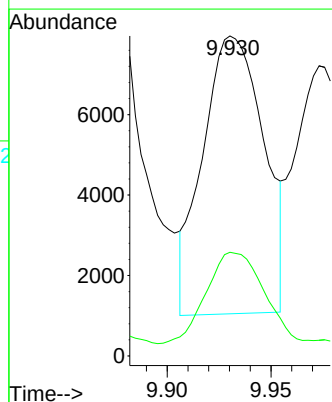
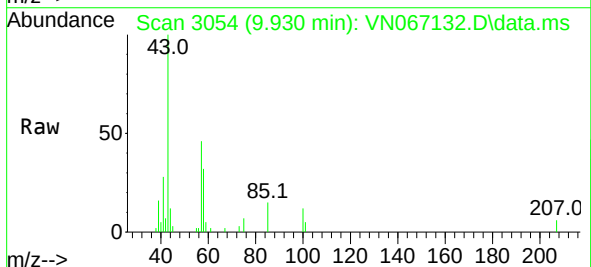
Instrument :
MSVOA_N
ClientSampleId :

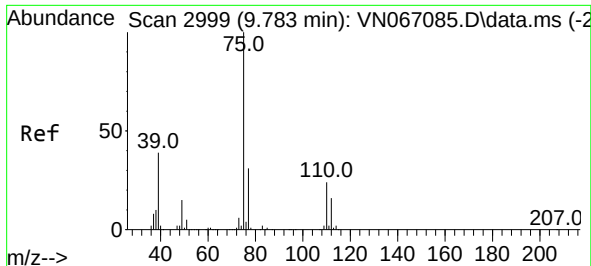
Tgt Ion: 98 Resp: 1083627
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 7.26 ug/l
RT: 9.930 min Scan# 3054
Delta R.T. 0.002 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

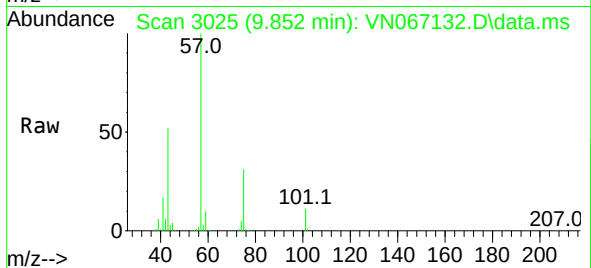
Tgt Ion: 43 Resp: 14121
Ion Ratio Lower Upper
43 100
58 32.5 34.5 51.7#



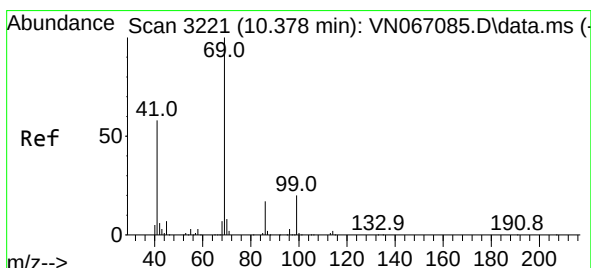
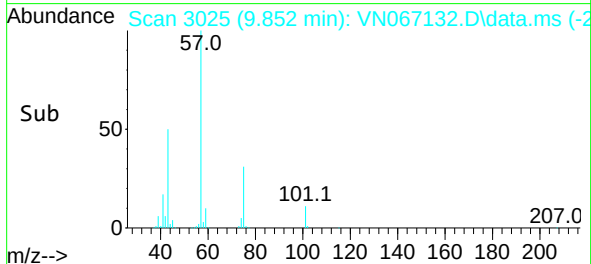
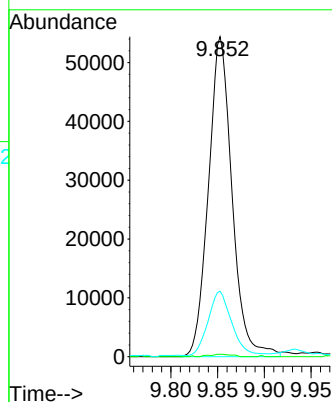


#54
 cis-1,3-Dichloropropene
 Concen: 8.61 ug/l
 RT: 9.852 min Scan# 3025
 Delta R.T. 0.069 min
 Lab File: VN067132.D
 Acq: 18 May 2021 17:15

Instrument :
 MSVOA_N
 ClientSampled :

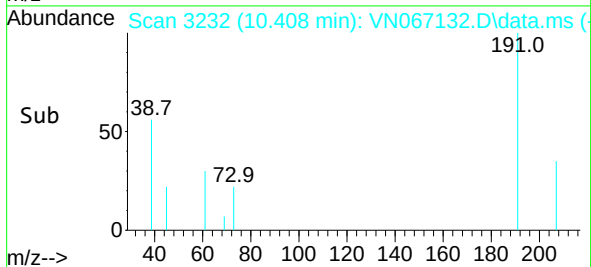
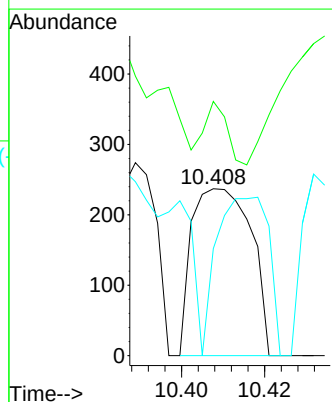
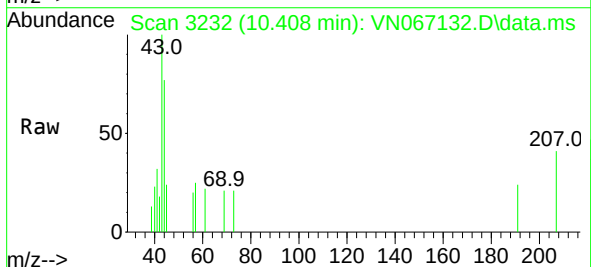


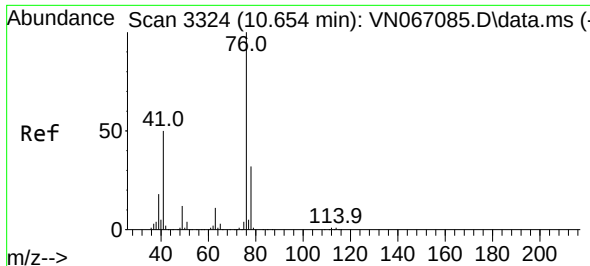
Tgt Ion: 75 Resp: 95626
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.1 37.7#
 39 20.0 30.9 46.3#



#56
 Ethyl methacrylate
 Concen: 1.96 ug/l
 RT: 10.408 min Scan# 3232
 Delta R.T. 0.030 min
 Lab File: VN067132.D
 Acq: 18 May 2021 17:15

Tgt Ion: 69 Resp: 235
 Ion Ratio Lower Upper
 69 100
 41 0.0 45.5 68.3#
 39 0.0 22.9 34.3#

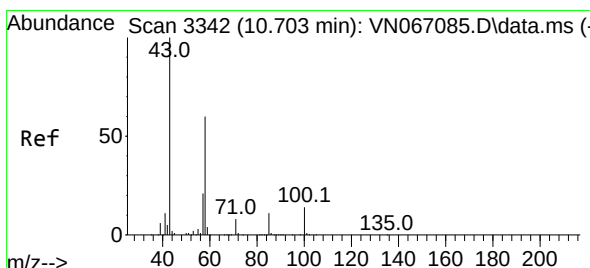
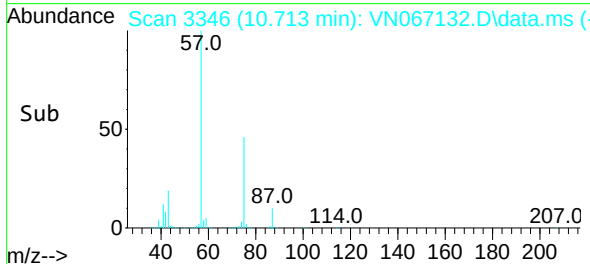
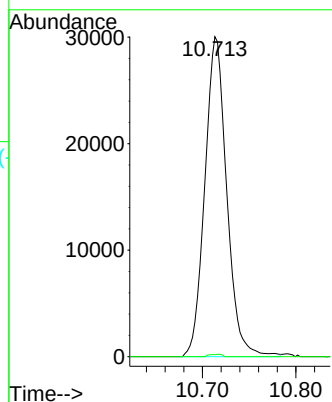
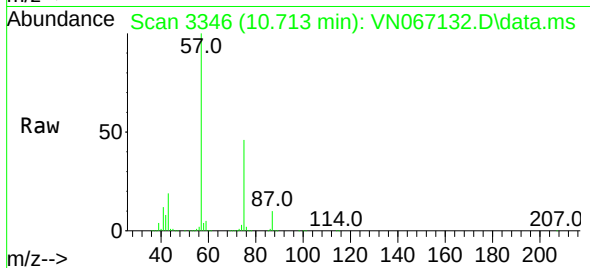




#57
1,3-Dichloropropane
Concen: 4.66 ug/l
RT: 10.713 min Scan# 3346
Delta R.T. 0.059 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

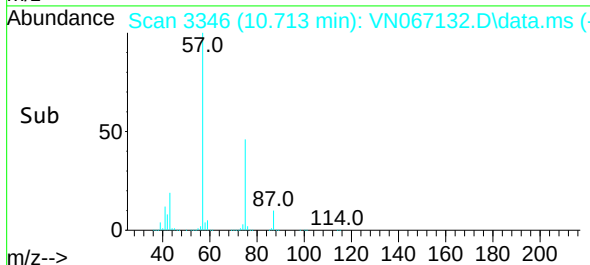
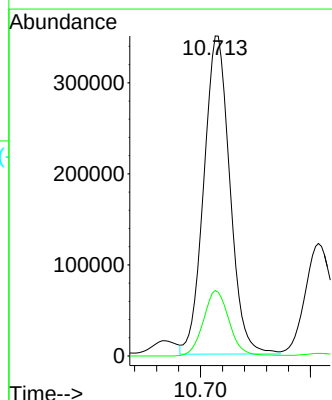
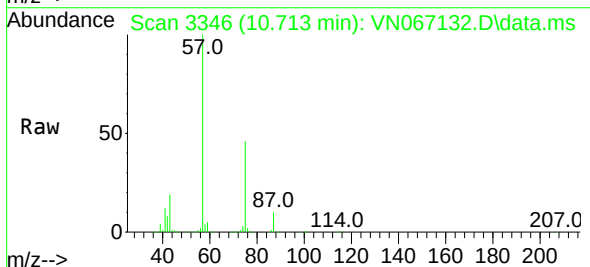
Instrument :
MSVOA_N
ClientSampled :

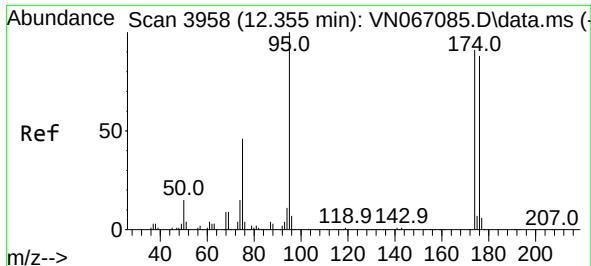
Tgt Ion: 76 Resp: 48953
Ion Ratio Lower Upper
76 100
78 0.4 26.3 39.5#



#59
2-Hexanone
Concen: 131.42 ug/l
RT: 10.713 min Scan# 3346
Delta R.T. 0.010 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

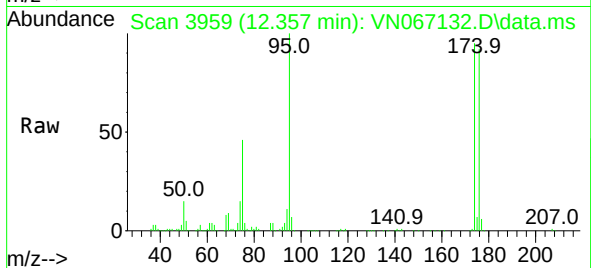
Tgt Ion: 43 Resp: 575884
Ion Ratio Lower Upper
43 100
58 20.4 29.8 89.5#



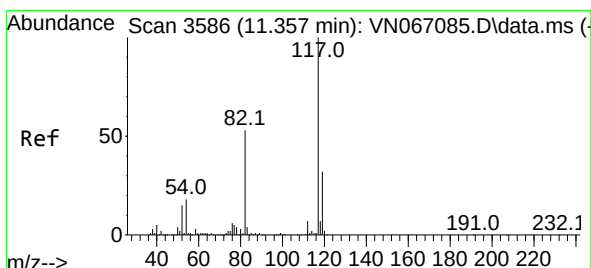
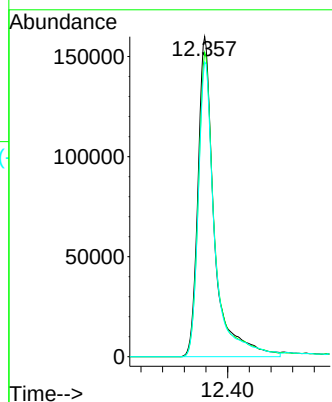
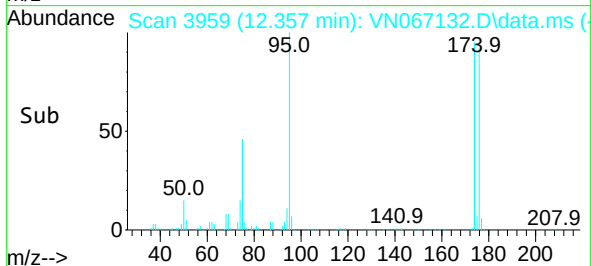


#62
4-Bromofluorobenzene
Concen: 43.62 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

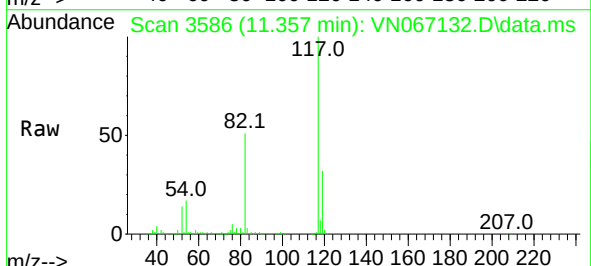
Instrument :
MSVOA_N
ClientSampleId :



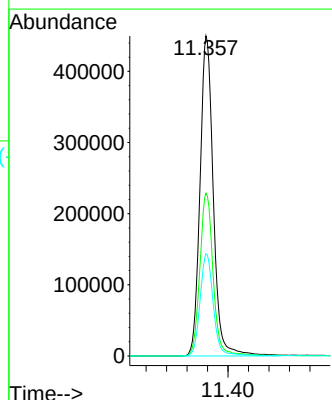
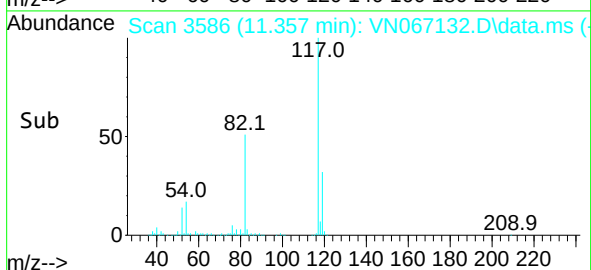
Tgt Ion: 95 Resp: 336299
Ion Ratio Lower Upper
95 100
174 95.3 0.0 182.8
176 92.2 0.0 176.6

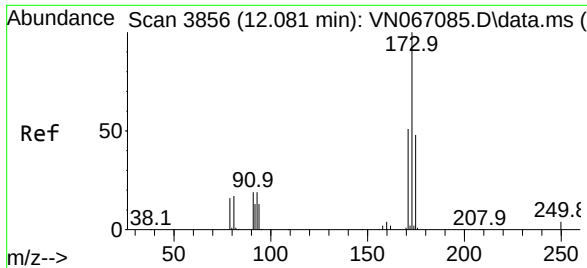


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.357 min Scan# 3586
Delta R.T. 0.000 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15



Tgt Ion: 117 Resp: 812170
Ion Ratio Lower Upper
117 100
82 50.9 42.2 63.2
119 32.0 25.8 38.6

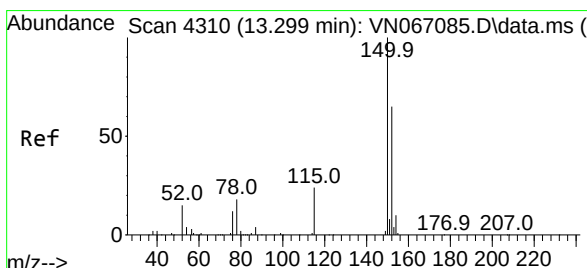
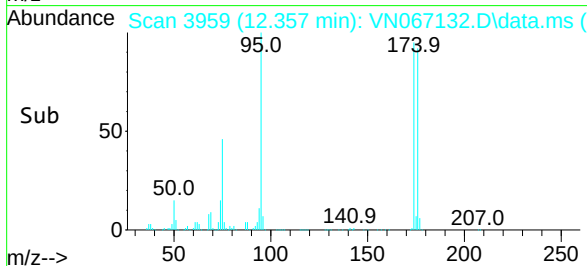
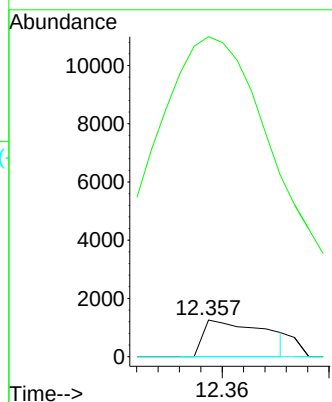
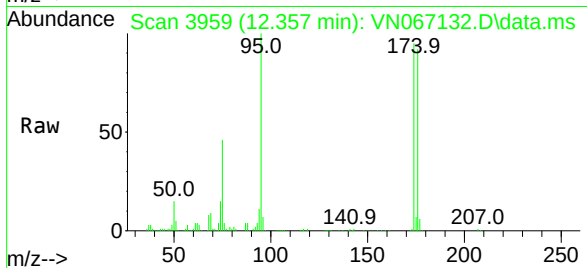




#71
Bromoform
Concen: 1.92 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.276 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

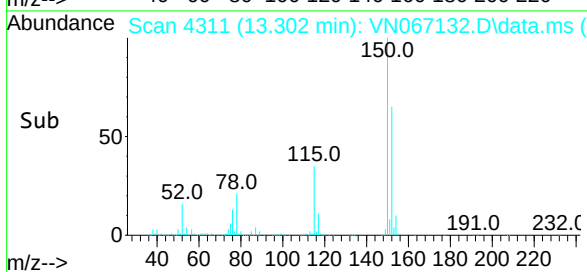
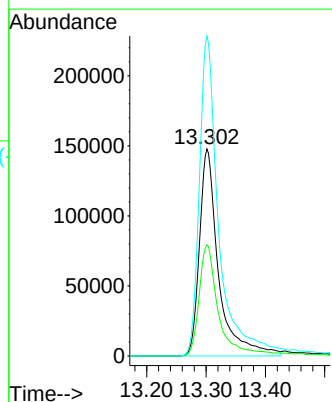
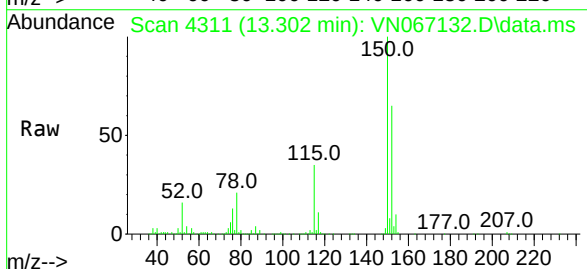
Instrument :
MSVOA_N
ClientSampleId :

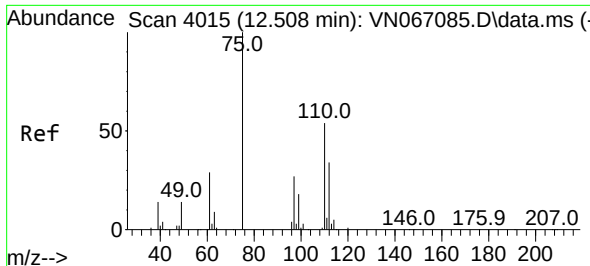
Tgt Ion:173 Resp: 1001
Ion Ratio Lower Upper
173 100
175 1712.8 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.302 min Scan# 4311
Delta R.T. 0.003 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

Tgt Ion:152 Resp: 332358
Ion Ratio Lower Upper
152 100
115 54.0 27.0 80.8
150 157.6 0.0 350.2

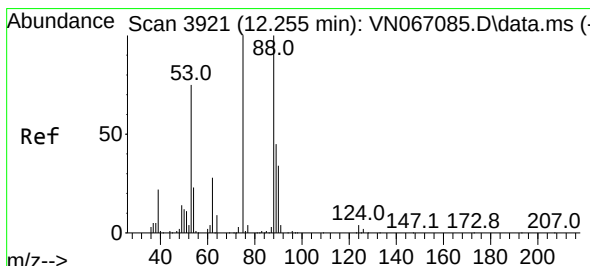
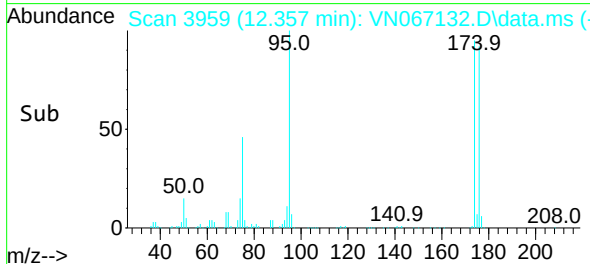
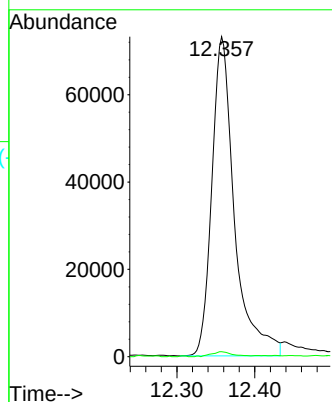
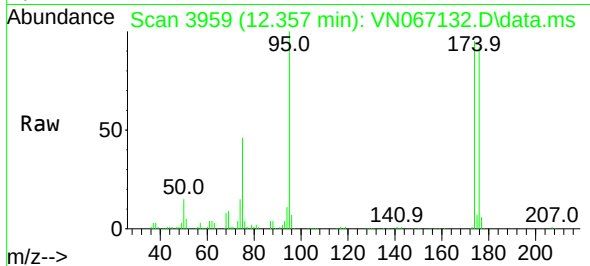




#76
1,2,3-Trichloropropane
Concen: 21.00 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. -0.151 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

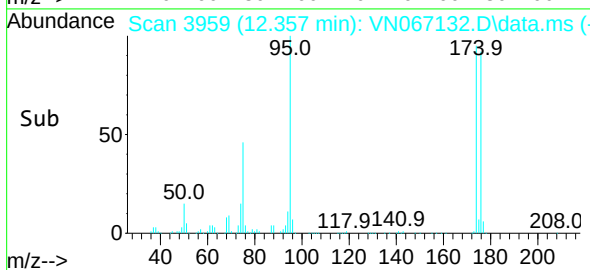
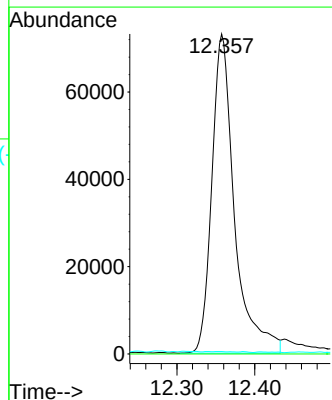
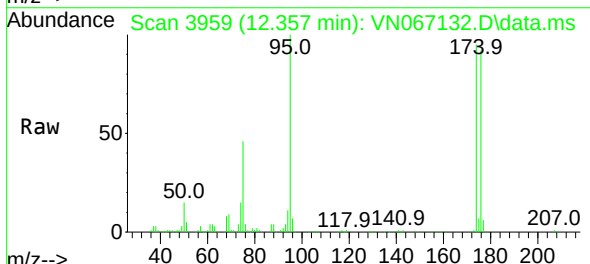
Instrument :
MSVOA_N
ClientSampled :

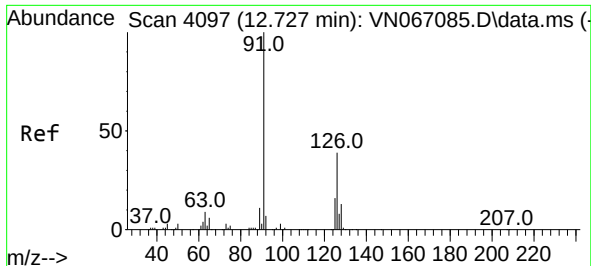
Tgt Ion: 75 Resp: 147321
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.32 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.102 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

Tgt Ion: 75 Resp: 147321
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#

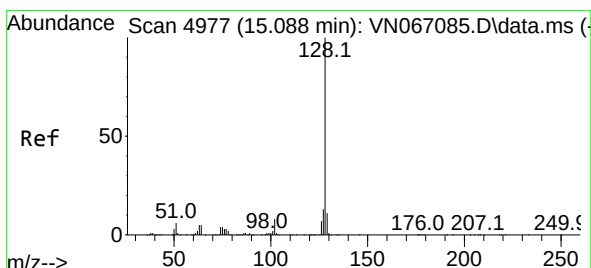
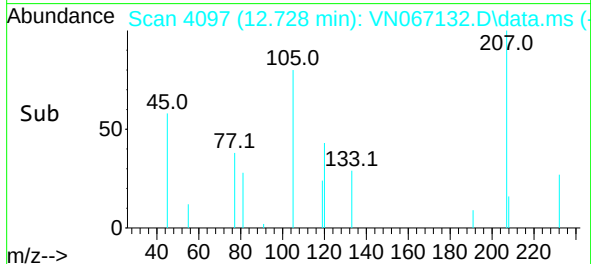
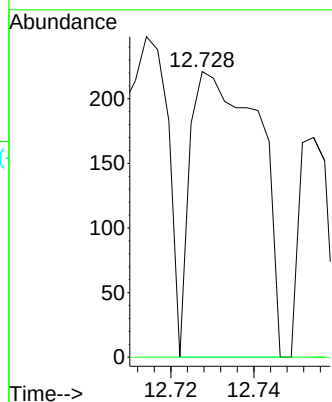
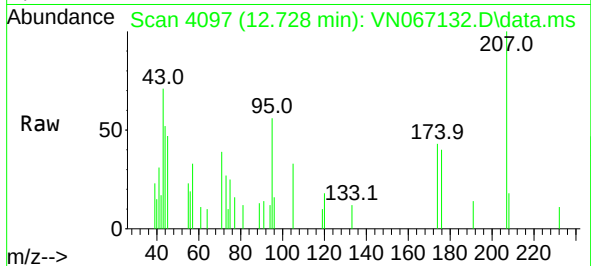




#82
4-Chlorotoluene
Concen: 1.19 ug/l
RT: 12.728 min Scan# 4097
Delta R.T. 0.001 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 91 Resp: 251
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#



#95
Naphthalene
Concen: 4.38 ug/l
RT: 15.104 min Scan# 4983
Delta R.T. 0.016 min
Lab File: VN067132.D
Acq: 18 May 2021 17:15

Tgt Ion: 128 Resp: 16930
Ion Ratio Lower Upper
128 100
127 10.5 10.2 15.2
129 9.1 8.6 13.0

