

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051721\
 Data File : VN067114.D
 Acq On : 17 May 2021 20:09
 Operator : JC/MD
 Sample : M2367-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 04:12:20 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)

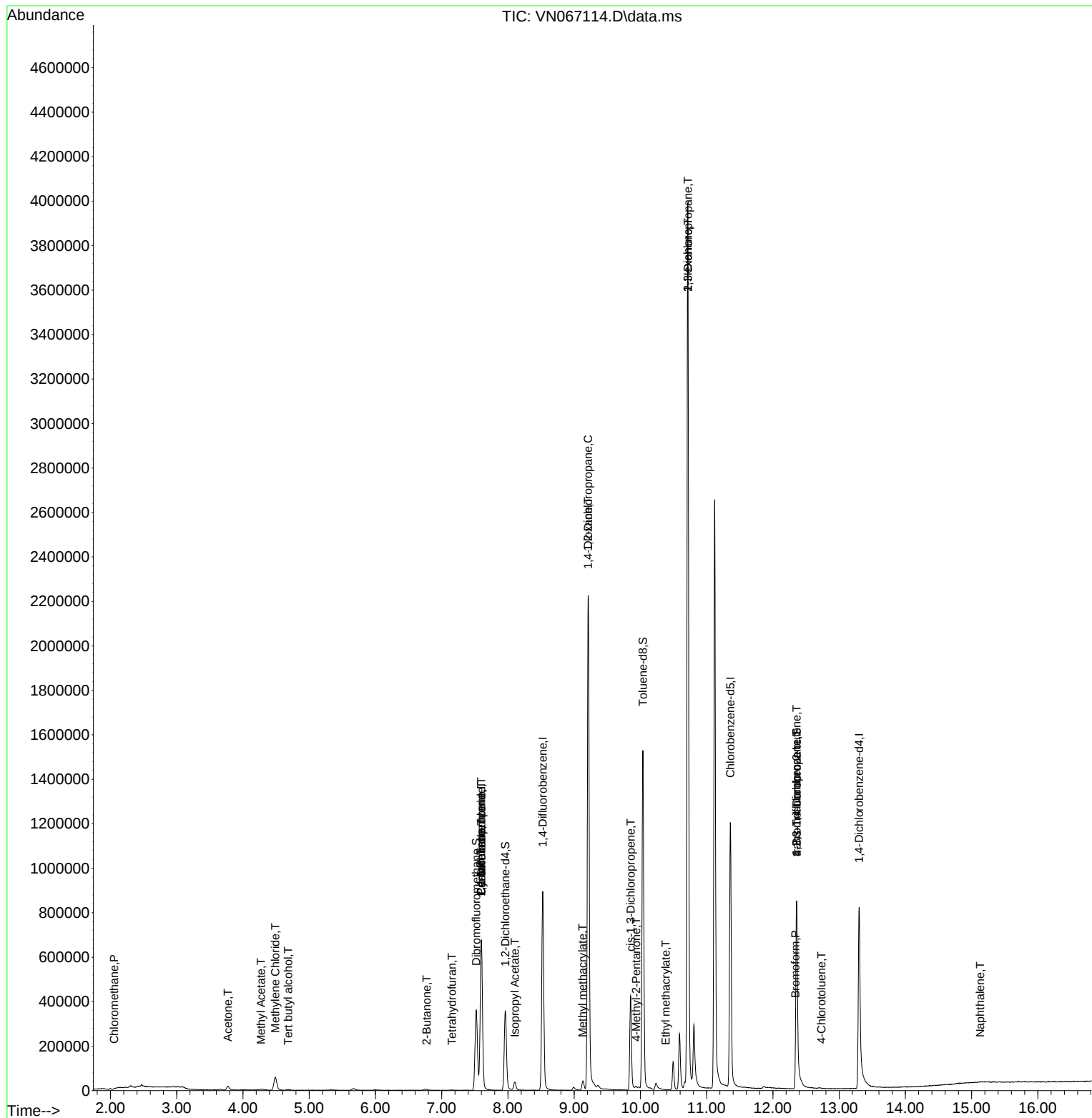
Internal Standards						
1) Pentafluorobenzene	7.599	168	641581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	904114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.357	117	806678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.301	152	333416	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.962	65	319415	46.08	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.16%		
35) Dibromofluoromethane	7.522	113	294200	49.56	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.12%		
50) Toluene-d8	10.037	98	1143409	50.82	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.64%		
62) 4-Bromofluorobenzene	12.357	95	365288	48.47	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.94%		
Target Compounds						Qvalue
3) Chloromethane	2.056	50	1980	0.28	ug/l	97
11) Tert butyl alcohol	4.682	59	275	0.24	ug/l #	18
13) Acrolein	3.560	56	779	Below Cal	#	23
16) Acetone	3.772	43	30880	14.33	ug/l	99
18) Methyl Acetate	4.271	43	2567	0.40	ug/l	96
20) Methylene Chloride	4.488	84	50599	7.24	ug/l	98
25) 2-Butanone	6.771	43	2608	0.78	ug/l	90
29) Tetrahydrofuran	7.154	42	1224	0.59	ug/l #	58
31) Cyclohexane	7.599	56	9680	1.01	ug/l #	1
36) 1,1-Dichloropropene	7.597	75	37636	4.56	ug/l #	48
38) Carbon Tetrachloride	7.599	117	53024	6.04	ug/l #	15
43) Isopropyl Acetate	8.104	43	45666	3.78	ug/l #	91
45) 1,2-Dichloropropane	9.211	63	3016	0.46	ug/l #	45
48) Methyl methacrylate	9.126	41	8534	3.35	ug/l #	9
49) 1,4-Dioxane	9.209	88	424	4.93	ug/l #	1
51) 4-Methyl-2-Pentanone	9.935	43	9805	6.72	ug/l	91
54) cis-1,3-Dichloropropene	9.852	75	94122	8.67	ug/l #	59
56) Ethyl methacrylate	10.383	69	74	1.95	ug/l #	31
57) 1,3-Dichloropropane	10.716	76	46931	4.57	ug/l #	42
59) 2-Hexanone	10.716	43	558960	130.65	ug/l #	48
71) Bromoform	12.339	173	82	1.78	ug/l #	28
76) 1,2,3-Trichloropropane	12.357	75	166935	23.73	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.357	75	166935	70.97	ug/l #	15
82) 4-Chlorotoluene	12.730	91	292	1.20	ug/l #	39
95) Naphthalene	15.128	128	1679	3.37	ug/l #	73

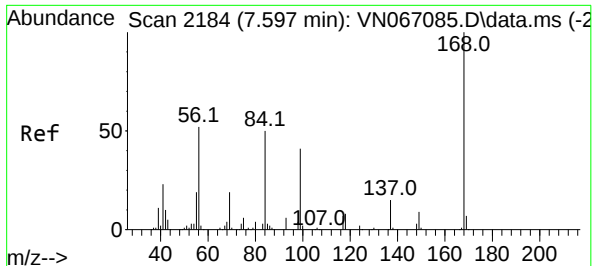
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

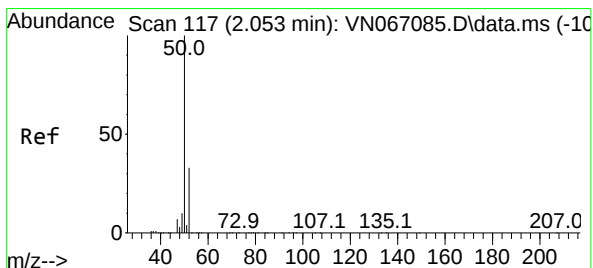
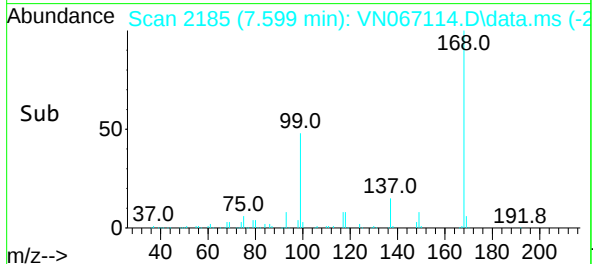
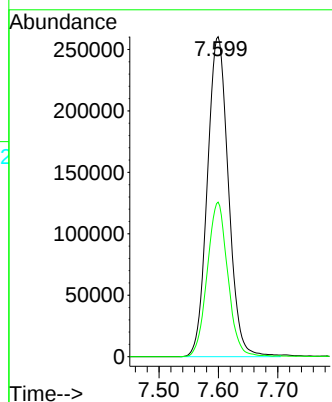
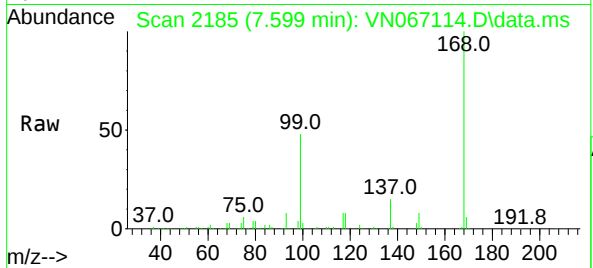




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.599 min Scan# 2185
Delta R.T. 0.002 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

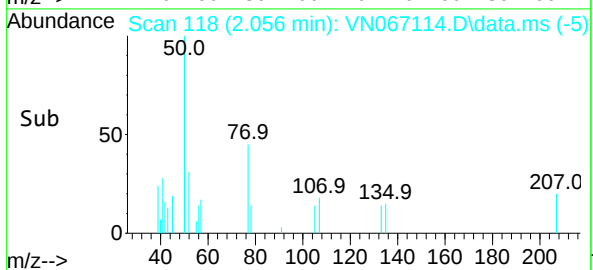
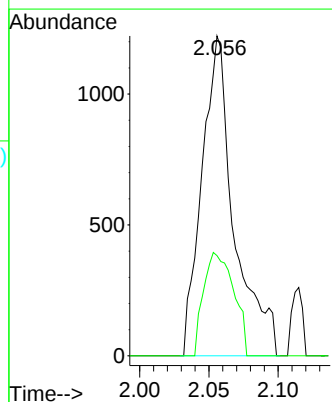
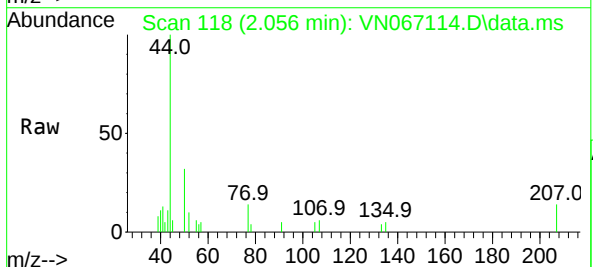
Instrument :
MSVOA_N
ClientSampled :

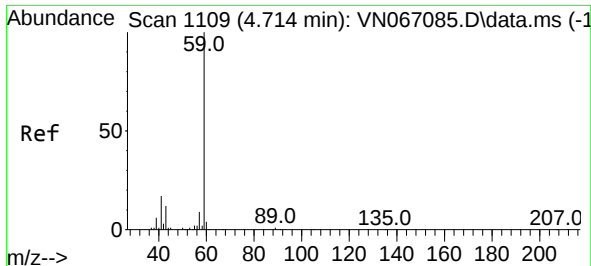
Tgt Ion:168 Resp: 641581
Ion Ratio Lower Upper
168 100
99 48.3 38.5 57.7



#3
Chloromethane
Concen: 0.28 ug/l
RT: 2.056 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

Tgt Ion: 50 Resp: 1980
Ion Ratio Lower Upper
50 100
52 31.3 26.5 39.7

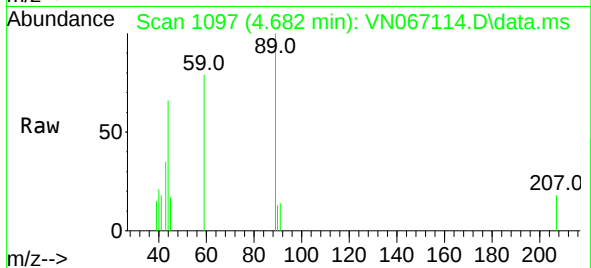




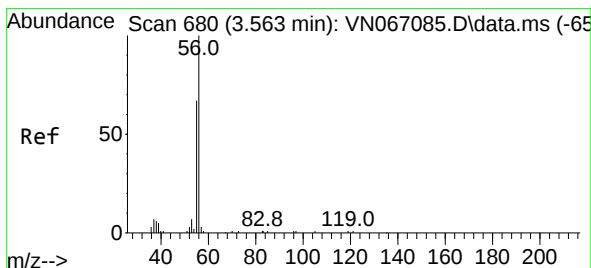
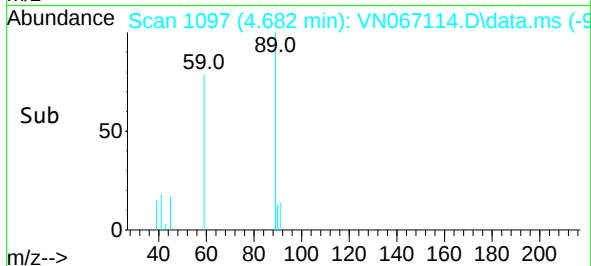
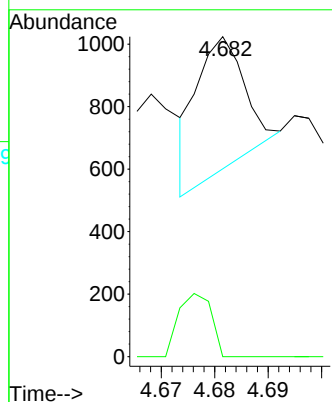
#11

Tert butyl alcohol
Concen: 0.24 ug/l
RT: 4.682 min Scan# 1097
Delta R.T. -0.032 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

Instrument :
MSVOA_N
ClientSampled :



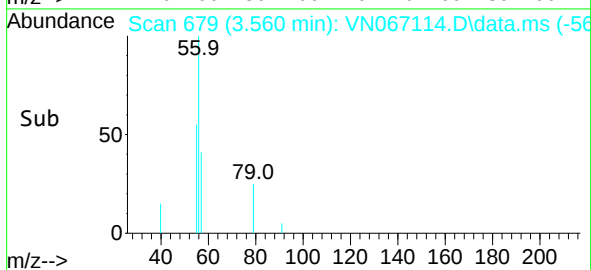
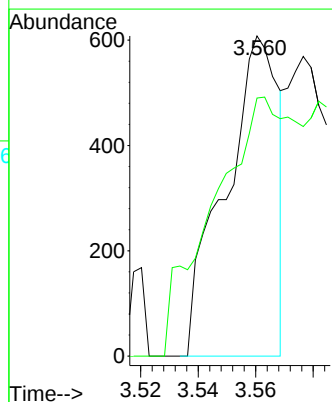
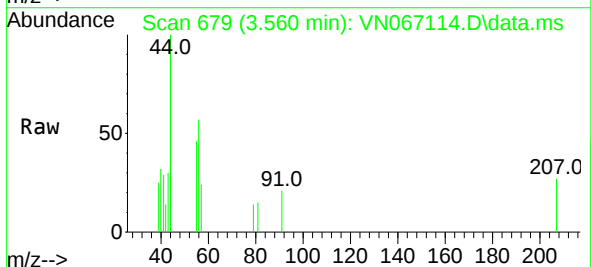
Tgt Ion: 59 Resp: 275
Ion Ratio Lower Upper
59 100
57 31.3 3.5 5.3#

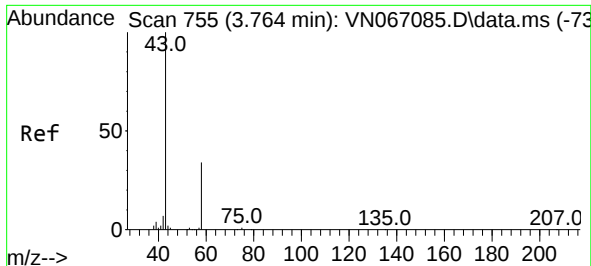


#13

Acrolein
Concen: Below Cal
RT: 3.560 min Scan# 679
Delta R.T. -0.003 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

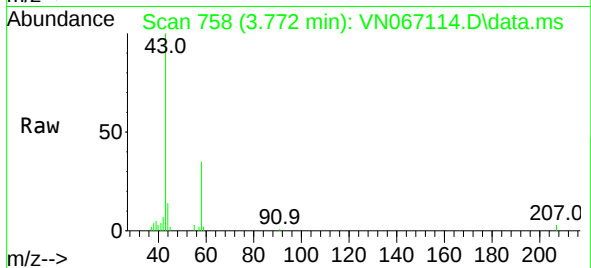
Tgt Ion: 56 Resp: 779
Ion Ratio Lower Upper
56 100
55 129.0 53.8 80.6#



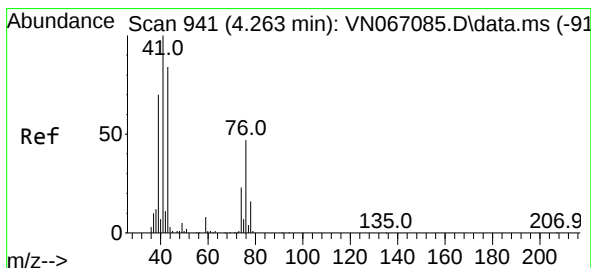
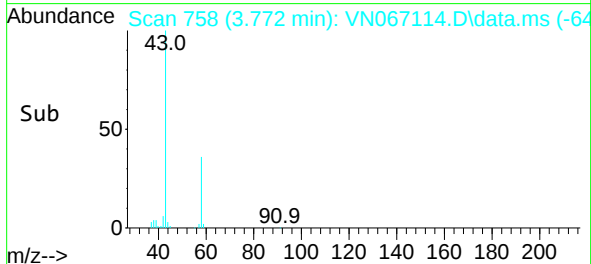
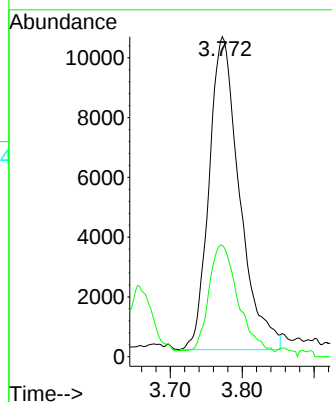


#16
Acetone
Concen: 14.33 ug/l
RT: 3.772 min Scan# 758
Delta R.T. 0.008 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

Instrument :
MSVOA_N
ClientSampled :

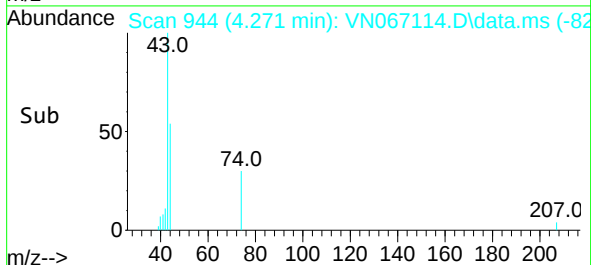
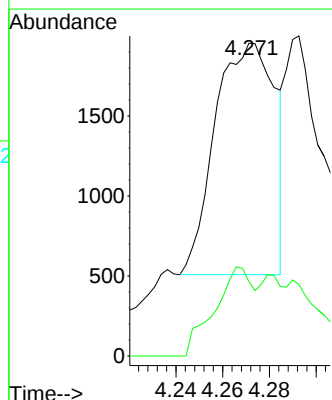
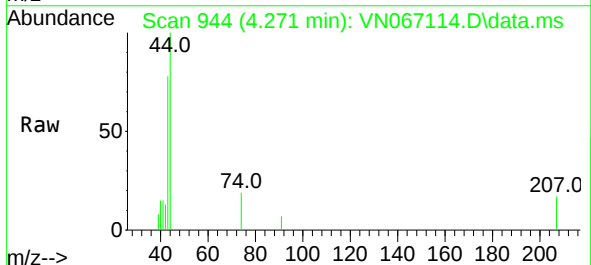


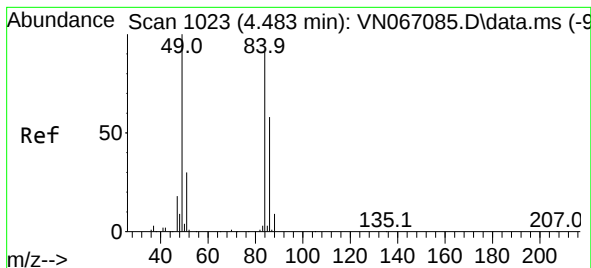
Tgt Ion: 43 Resp: 30880
Ion Ratio Lower Upper
43 100
58 33.5 27.2 40.8



#18
Methyl Acetate
Concen: 0.40 ug/l
RT: 4.271 min Scan# 944
Delta R.T. 0.008 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

Tgt Ion: 43 Resp: 2567
Ion Ratio Lower Upper
43 100
74 24.8 21.4 32.2





#20

Methylene Chloride

Concen: 7.24 ug/l

RT: 4.488 min Scan# 1025

Delta R.T. 0.005 min

Lab File: VN067114.D

Acq: 17 May 2021 20:09

Tgt Ion: 84 Resp: 50599

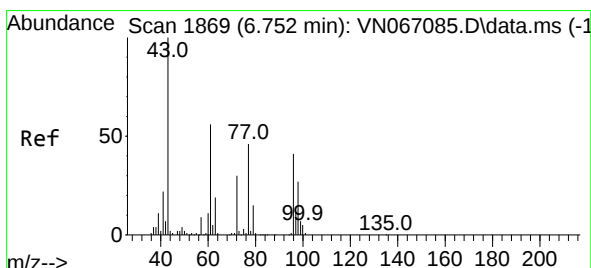
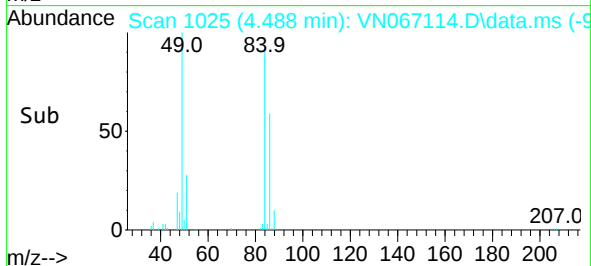
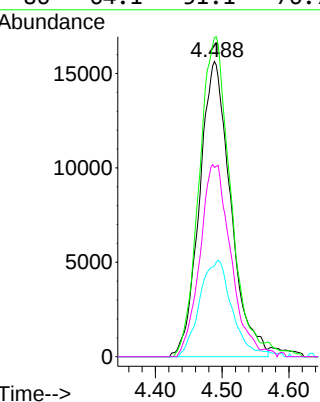
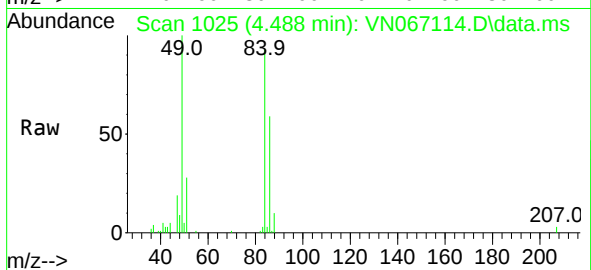
Ion Ratio Lower Upper

84 100

49 108.1 88.3 132.5

51 30.7 26.7 40.1

86 64.1 51.1 76.7



#25

2-Butanone

Concen: 0.78 ug/l

RT: 6.771 min Scan# 1876

Delta R.T. 0.019 min

Lab File: VN067114.D

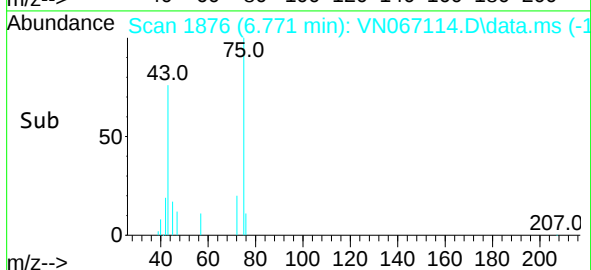
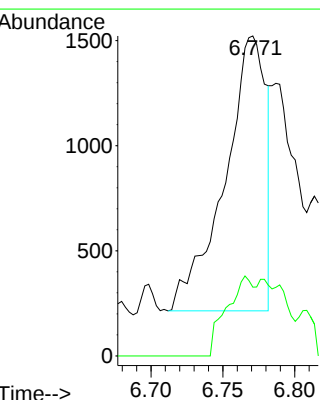
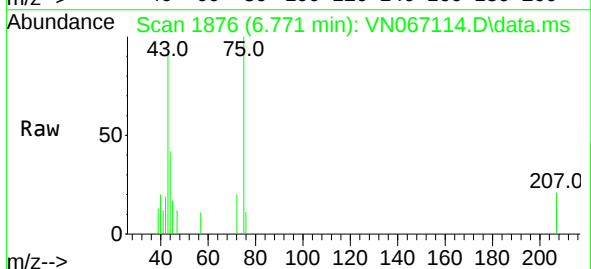
Acq: 17 May 2021 20:09

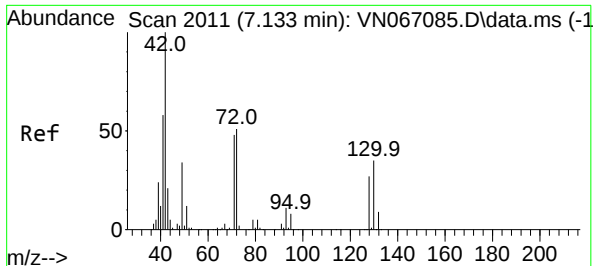
Tgt Ion: 43 Resp: 2608

Ion Ratio Lower Upper

43 100

72 25.0 24.4 36.6

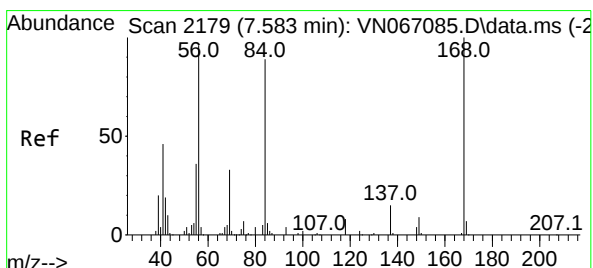
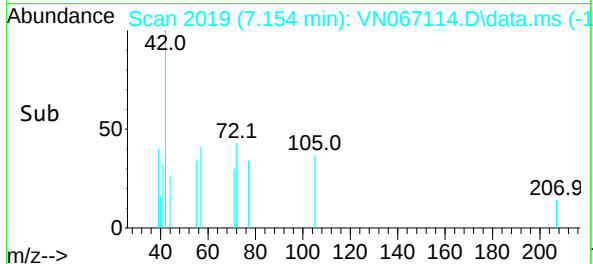
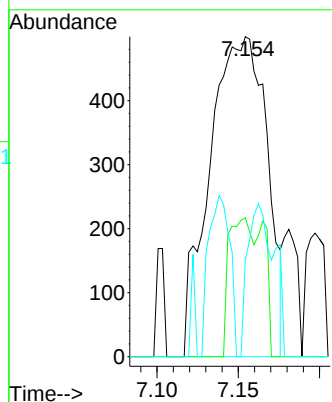
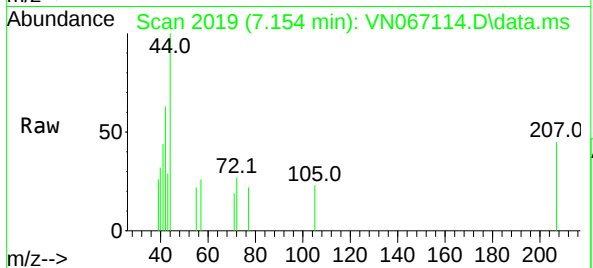




#29
Tetrahydrofuran
Concen: 0.59 ug/l
RT: 7.154 min Scan# 2019
Delta R.T. 0.021 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

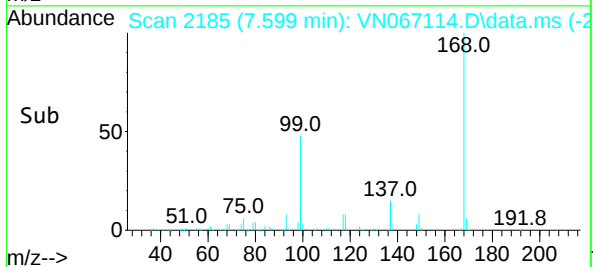
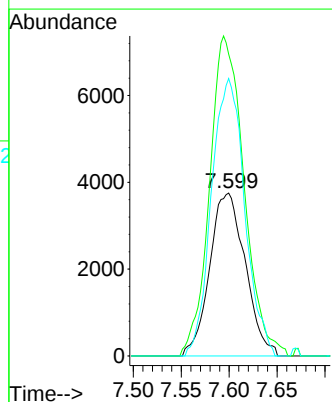
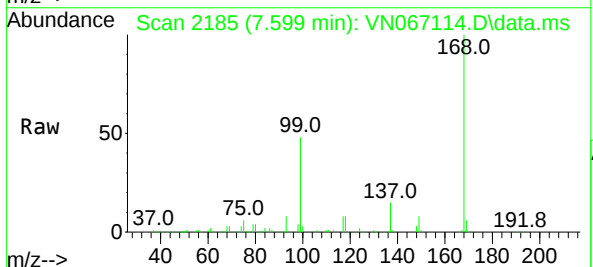
Instrument :
MSVOA_N
ClientSampleId :

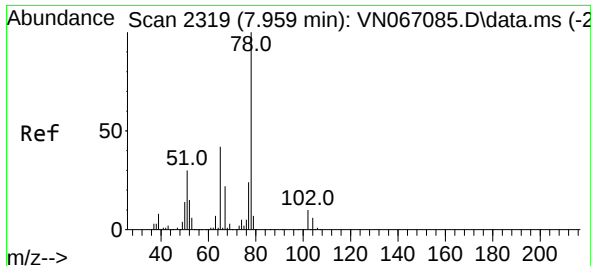
Tgt Ion: 42 Resp: 1224
Ion Ratio Lower Upper
42 100
72 18.4 40.1 60.1#
71 22.1 37.9 56.9#



#31
Cyclohexane
Concen: 1.01 ug/l
RT: 7.599 min Scan# 2185
Delta R.T. 0.016 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

Tgt Ion: 56 Resp: 9680
Ion Ratio Lower Upper
56 100
69 185.2 28.0 42.0#
84 170.3 74.2 111.2#

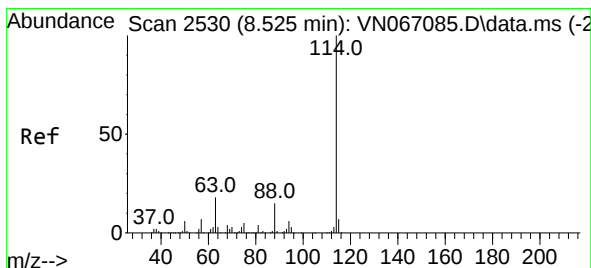
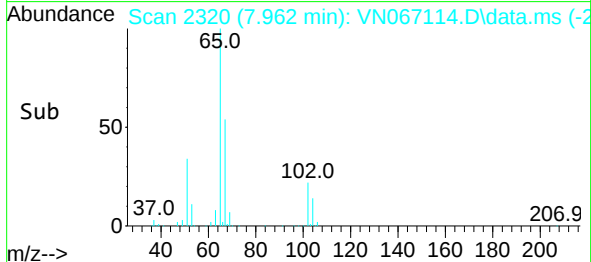
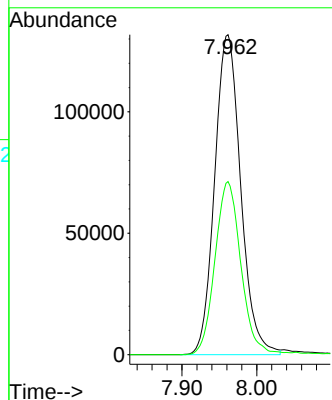
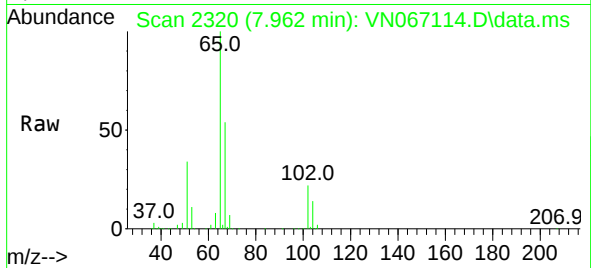




#33
1,2-Dichloroethane-d4
Concen: 46.08 ug/l
RT: 7.962 min Scan# 2320
Delta R.T. 0.003 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

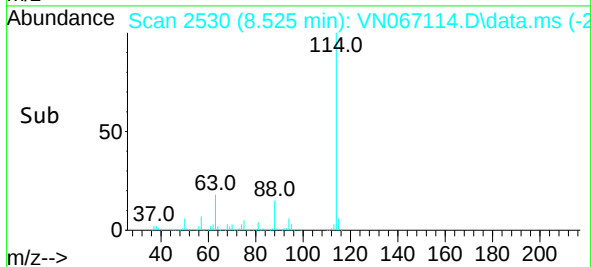
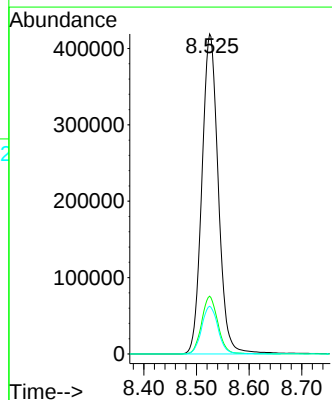
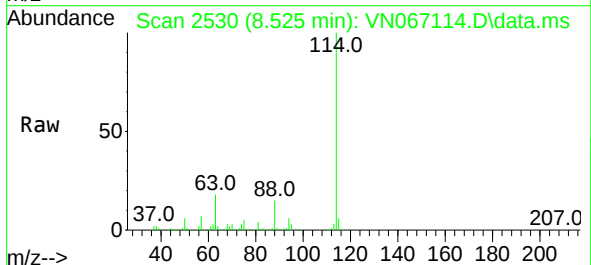
Instrument :
MSVOA_N
ClientSampled :

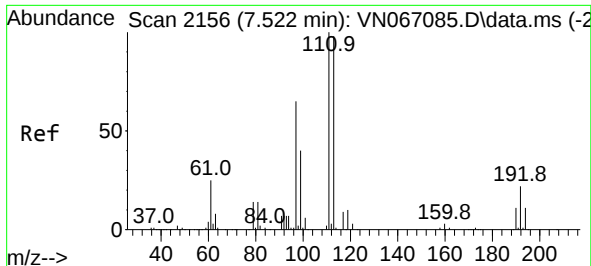
Tgt Ion: 65 Resp: 319415
Ion Ratio Lower Upper
65 100
67 53.8 0.0 110.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.525 min Scan# 2530
Delta R.T. -0.000 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

Tgt Ion: 114 Resp: 904114
Ion Ratio Lower Upper
114 100
63 18.1 0.0 35.8
88 14.9 0.0 30.4



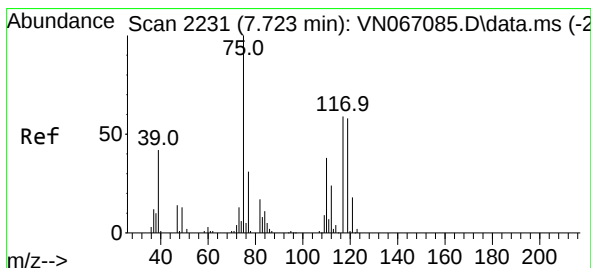
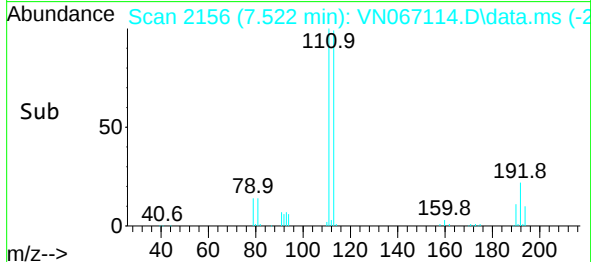
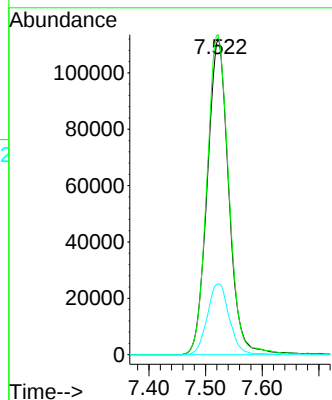
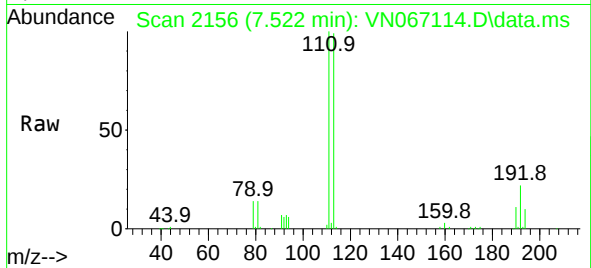


#35
Dibromofluoromethane
Concen: 49.56 ug/l
RT: 7.522 min Scan# 2156
Delta R.T. -0.000 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:113 Resp: 294200

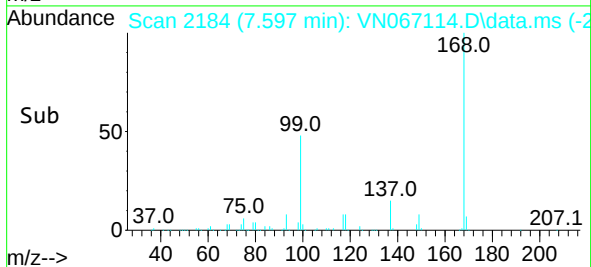
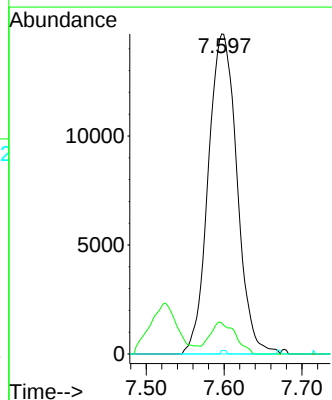
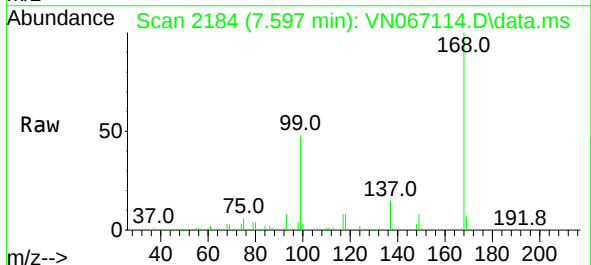
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	124.0
192	22.8	18.2	27.4

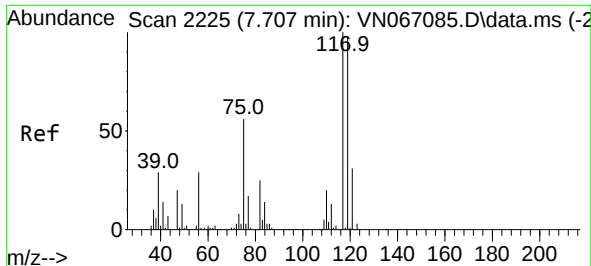


#36
1,1-Dichloropropene
Concen: 4.56 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.126 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

Tgt Ion: 75 Resp: 37636

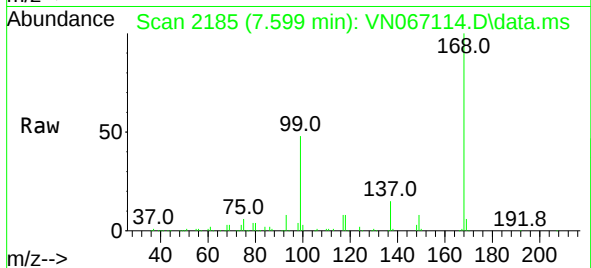
Ion	Ratio	Lower	Upper
75	100		
110	8.9	19.1	57.3#
77	0.2	24.8	37.2#



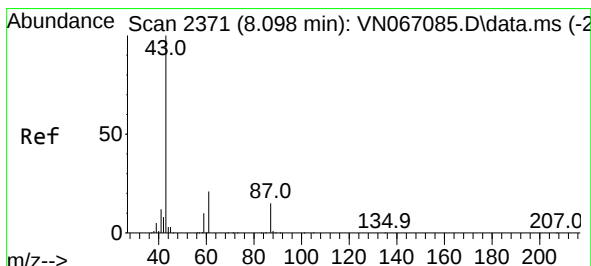
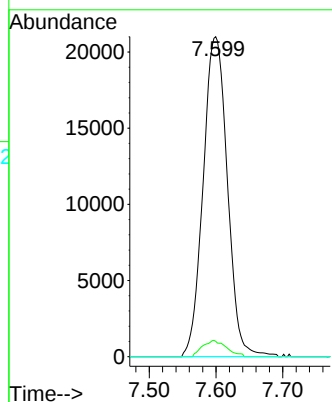
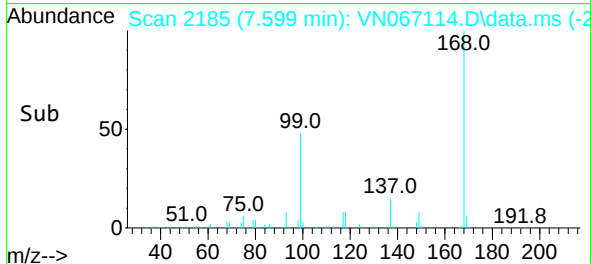


#38
Carbon Tetrachloride
Concen: 6.04 ug/l
RT: 7.599 min Scan# 2185
Delta R.T. -0.107 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

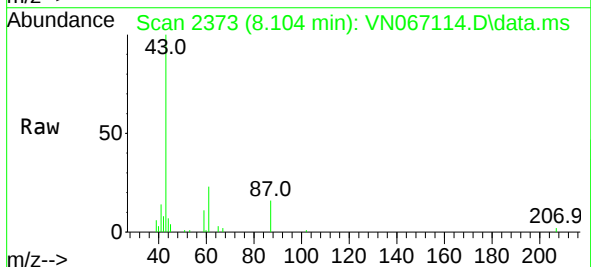
Instrument :
MSVOA_N
ClientSampled :



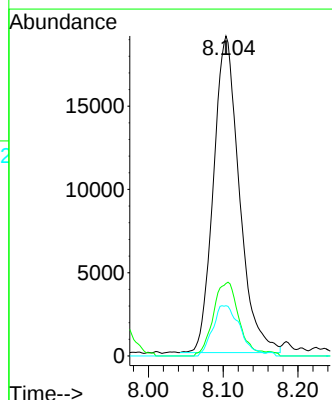
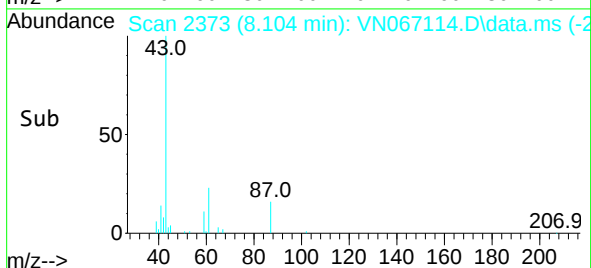
Tgt Ion:117 Resp: 53024
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.7 37.1#

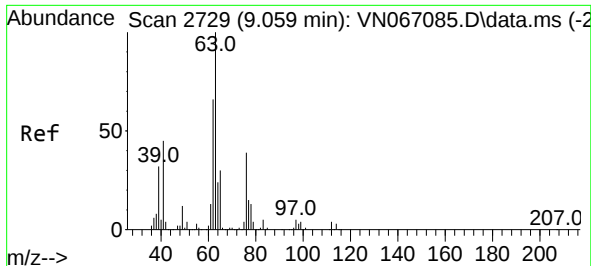


#43
Isopropyl Acetate
Concen: 3.78 ug/l
RT: 8.104 min Scan# 2373
Delta R.T. 0.006 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09



Tgt Ion: 43 Resp: 45666
Ion Ratio Lower Upper
43 100
61 23.2 23.4 35.0#
87 16.7 12.2 18.2

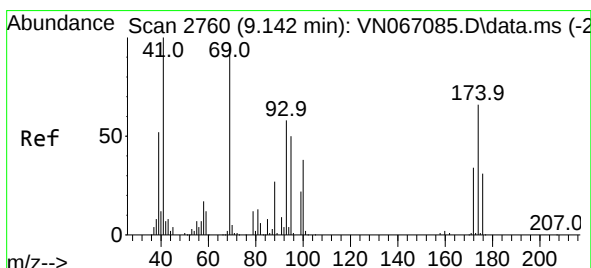
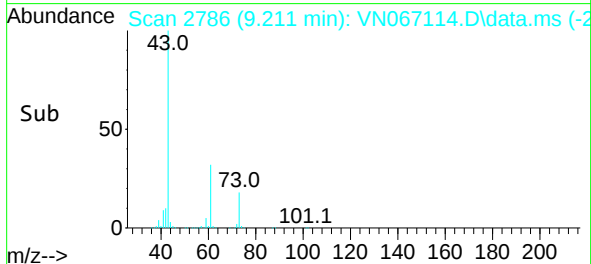
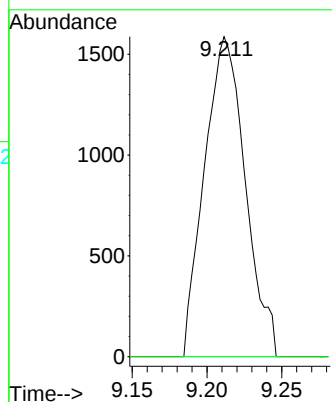
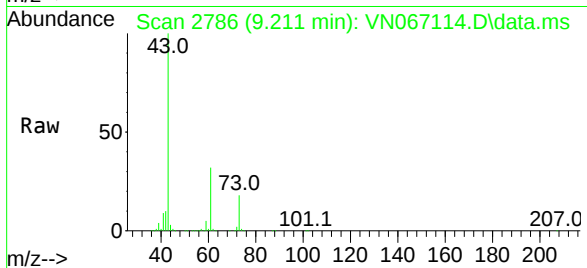




#45
1,2-Dichloropropane
Concen: 0.46 ug/l
RT: 9.211 min Scan# 2786
Delta R.T. 0.152 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

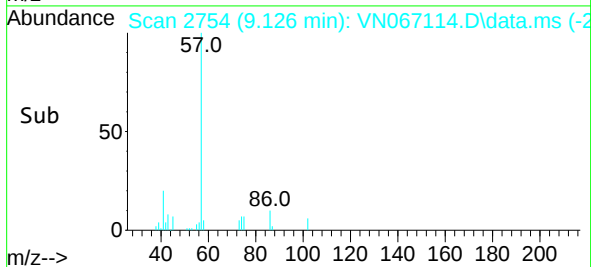
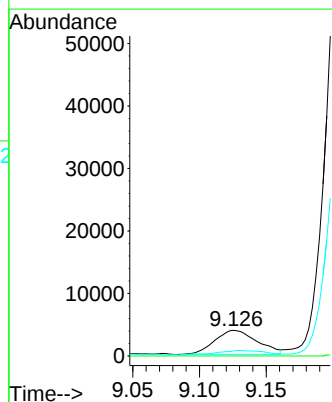
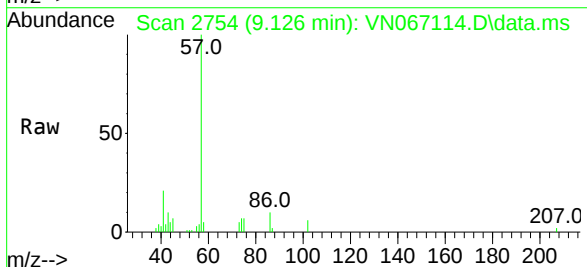
Instrument :
MSVOA_N
ClientSampled :

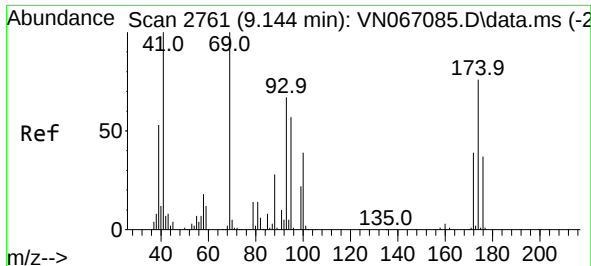
Tgt Ion: 63 Resp: 3016
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 3.35 ug/l
RT: 9.126 min Scan# 2754
Delta R.T. -0.016 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

Tgt Ion: 41 Resp: 8534
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: 4.93 ug/l

RT: 9.209 min Scan# 2785

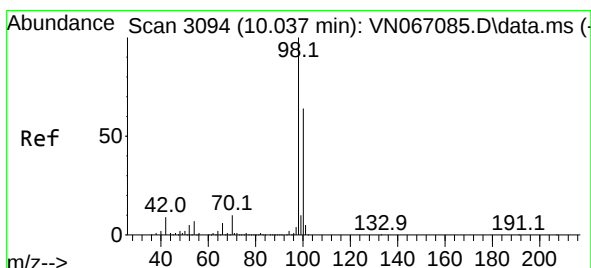
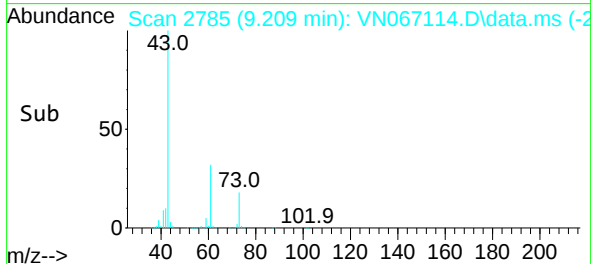
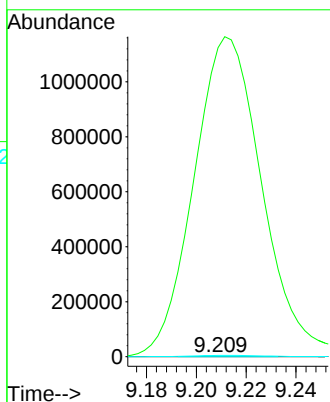
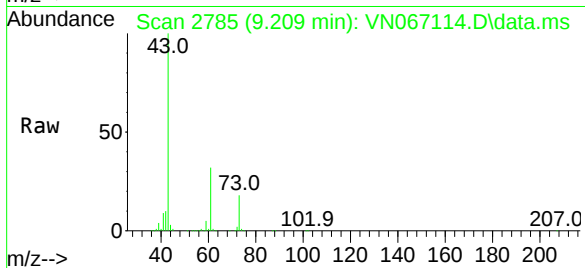
Delta R.T. 0.065 min

Lab File: VN067114.D

Acq: 17 May 2021 20:09

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 88 Resp: 424
Ion Ratio Lower Upper
88 100
43 540721.2 21.8 32.8#
58 2294.6 50.8 76.2#



#50

Toluene-d8

Concen: 50.82 ug/l

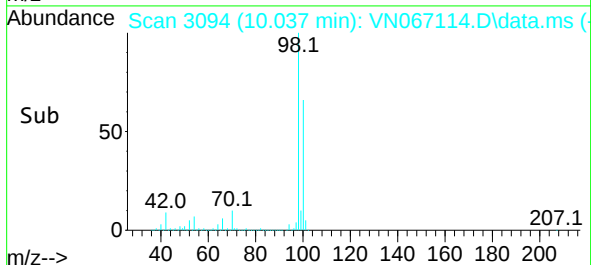
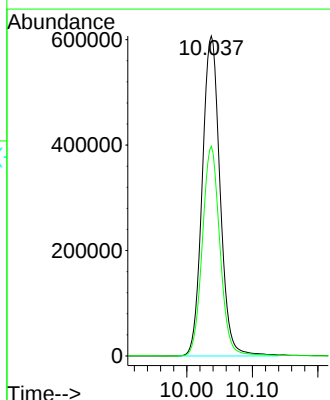
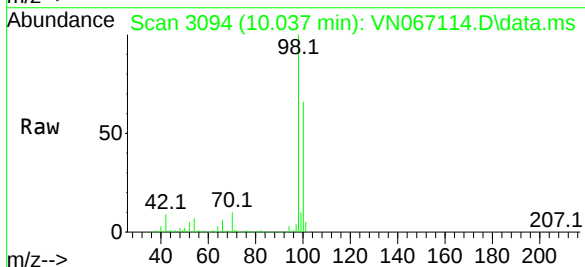
RT: 10.037 min Scan# 3094

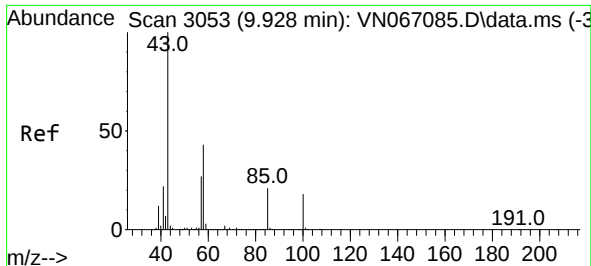
Delta R.T. 0.000 min

Lab File: VN067114.D

Acq: 17 May 2021 20:09

Tgt Ion: 98 Resp: 1143409
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8

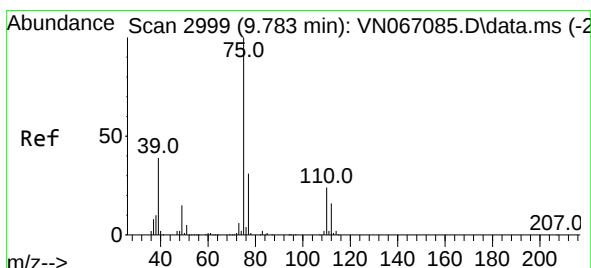
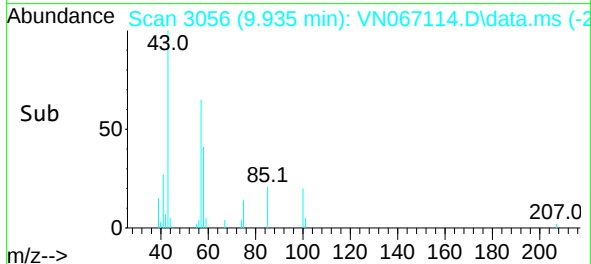
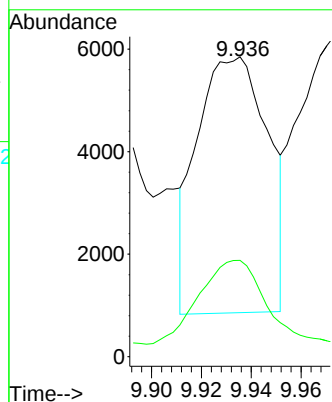
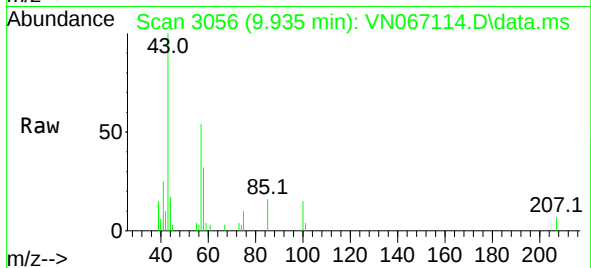




#51
4-Methyl-2-Pentanone
Concen: 6.72 ug/l
RT: 9.935 min Scan# 3056
Delta R.T. 0.007 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

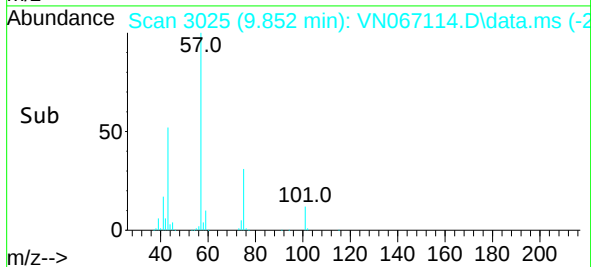
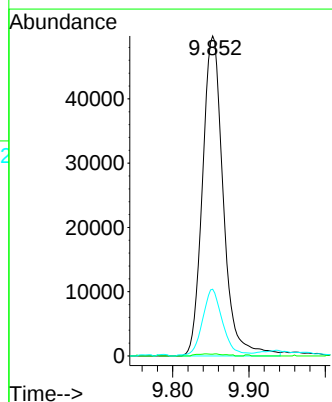
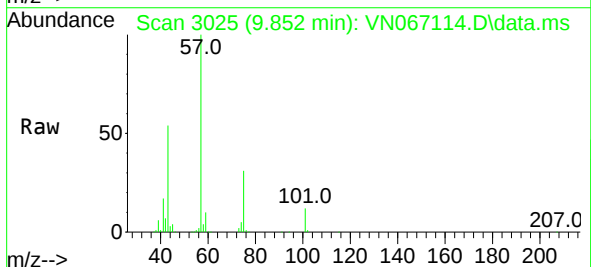
Instrument :
MSVOA_N
ClientSampled :

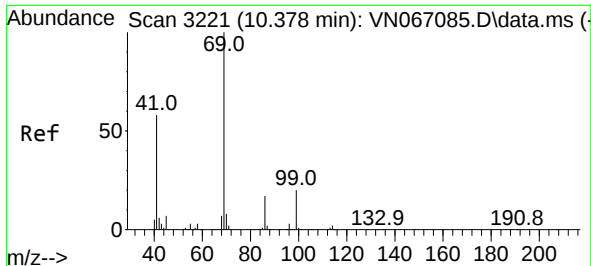
Tgt Ion: 43 Resp: 9805
Ion Ratio Lower Upper
43 100
58 37.2 34.5 51.7



#54
cis-1,3-Dichloropropene
Concen: 8.67 ug/l
RT: 9.852 min Scan# 3025
Delta R.T. 0.069 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

Tgt Ion: 75 Resp: 94122
Ion Ratio Lower Upper
75 100
77 0.6 25.1 37.7#
39 20.5 30.9 46.3#

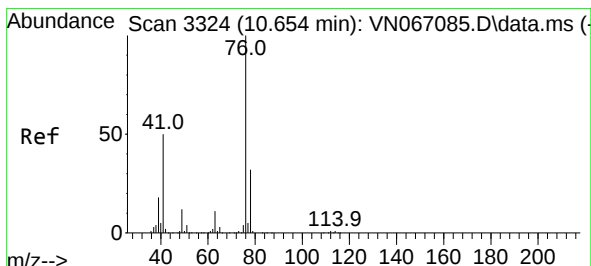
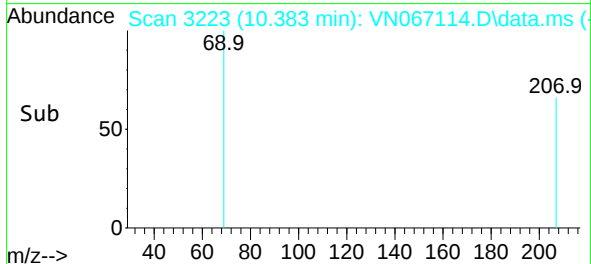
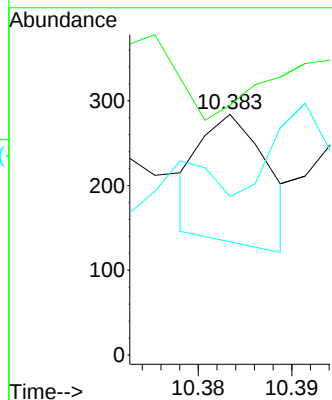
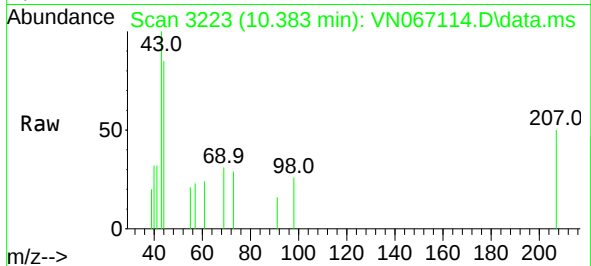




#56
Ethyl methacrylate
Concen: 1.95 ug/l
RT: 10.383 min Scan# 3223
Delta R.T. 0.005 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

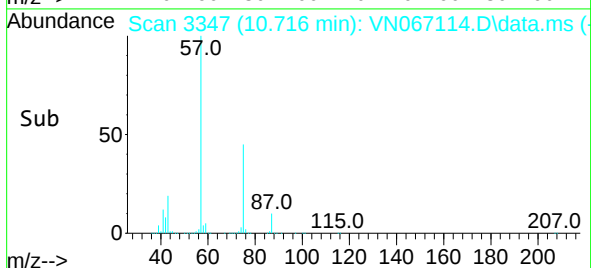
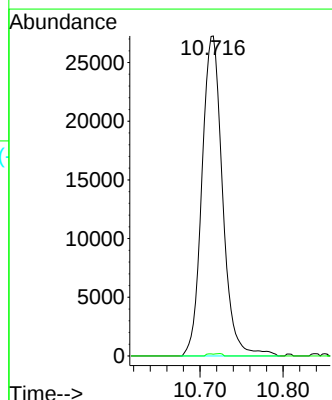
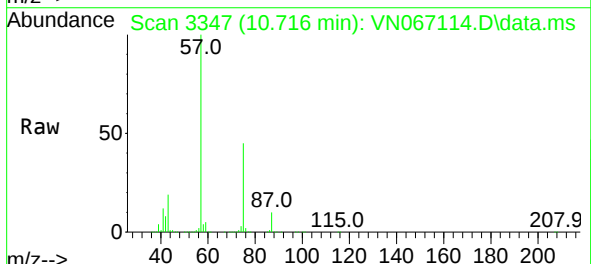
Instrument :
MSVOA_N
ClientSampled :

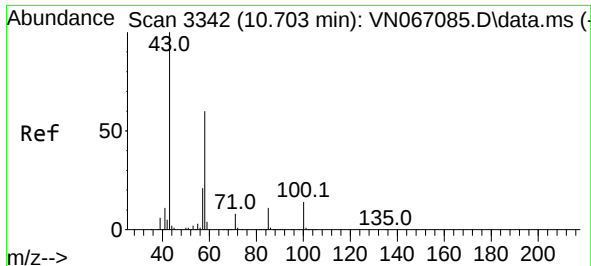
Tgt Ion: 69 Resp: 74
Ion Ratio Lower Upper
69 100
41 0.0 45.5 68.3#
39 0.0 22.9 34.3#



#57
1,3-Dichloropropane
Concen: 4.57 ug/l
RT: 10.716 min Scan# 3347
Delta R.T. 0.062 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

Tgt Ion: 76 Resp: 46931
Ion Ratio Lower Upper
76 100
78 0.2 26.3 39.5#

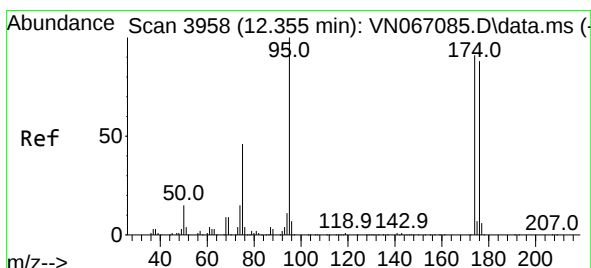
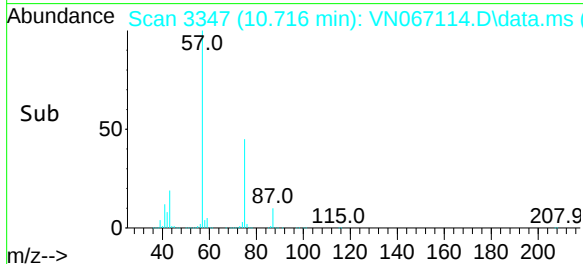
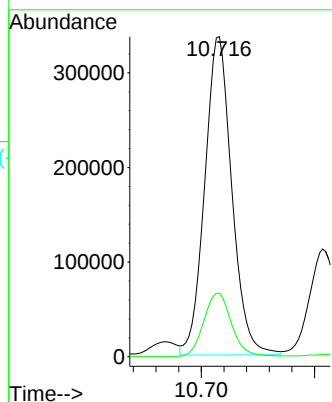
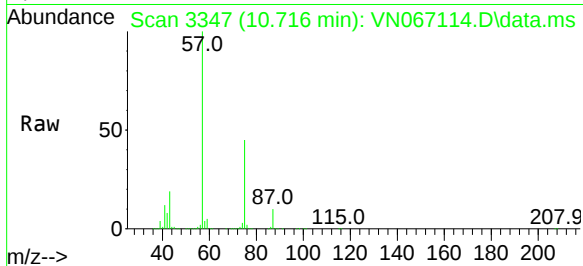




#59
2-Hexanone
Concen: 130.65 ug/l
RT: 10.716 min Scan# 3347
Delta R.T. 0.013 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

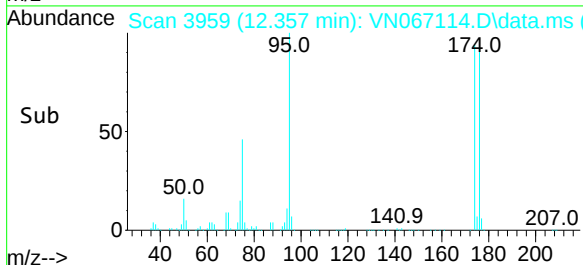
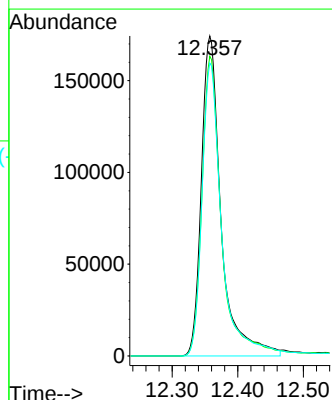
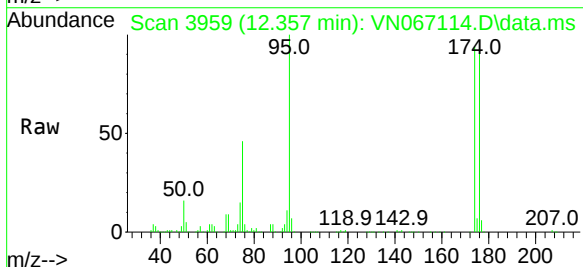
Instrument :
MSVOA_N
ClientSampleId :

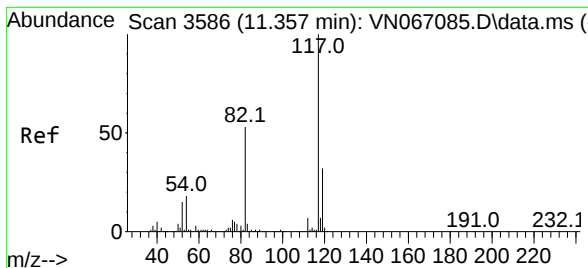
Tgt Ion: 43 Resp: 558960
Ion Ratio Lower Upper
43 100
58 20.6 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 48.47 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

Tgt Ion: 95 Resp: 365288
Ion Ratio Lower Upper
95 100
174 92.9 0.0 182.8
176 91.6 0.0 176.6

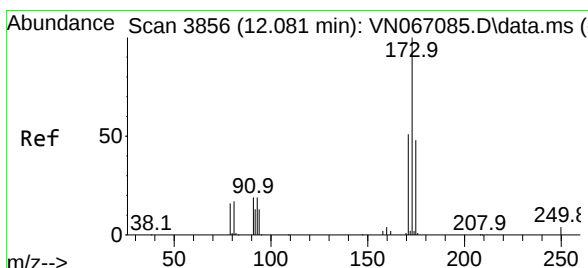
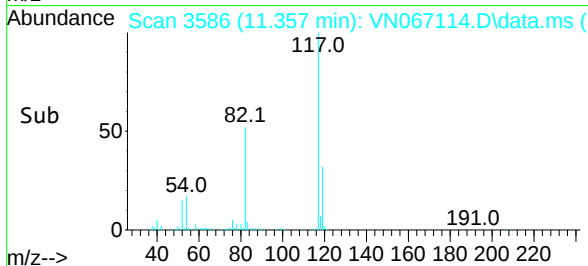
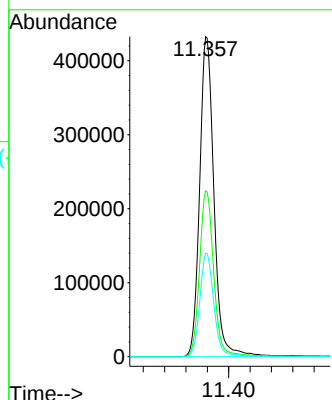
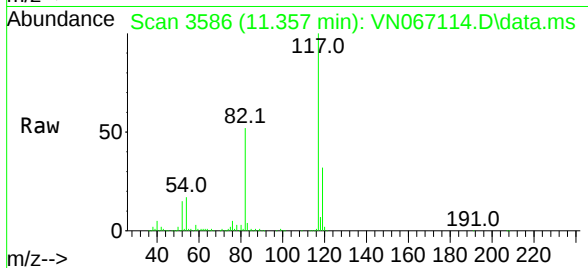




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.357 min Scan# 3586
Delta R.T. -0.000 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

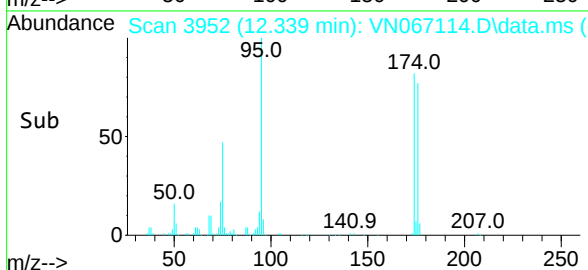
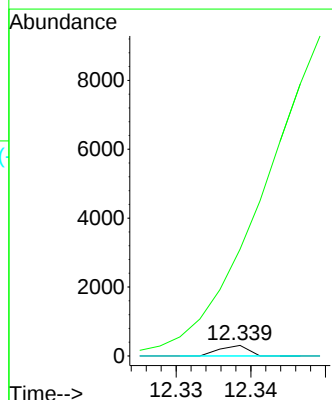
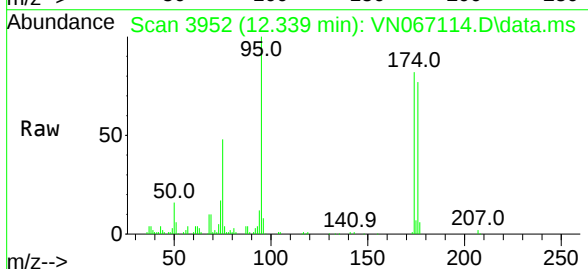
Instrument :
MSVOA_N
ClientSampleId :

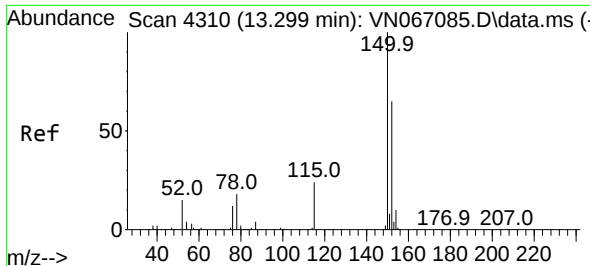
Tgt Ion:117 Resp: 806678
Ion Ratio Lower Upper
117 100
82 51.8 42.2 63.2
119 32.3 25.8 38.6



#71
Bromoform
Concen: 1.78 ug/l
RT: 12.339 min Scan# 3952
Delta R.T. 0.258 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

Tgt Ion:173 Resp: 82
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

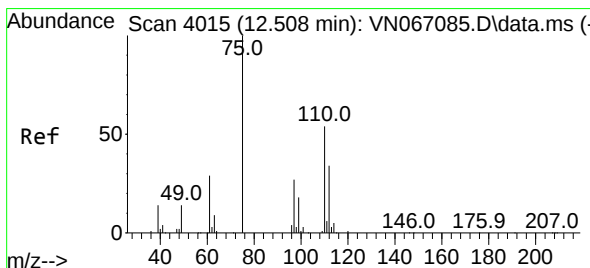
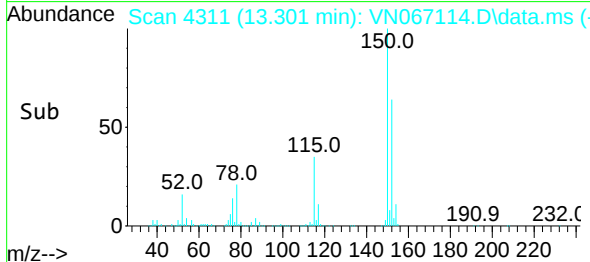
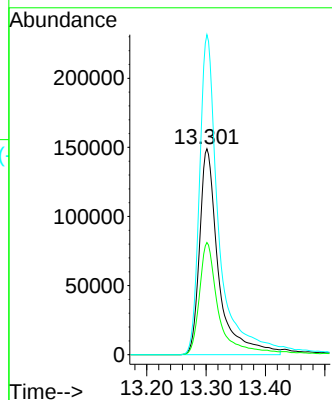
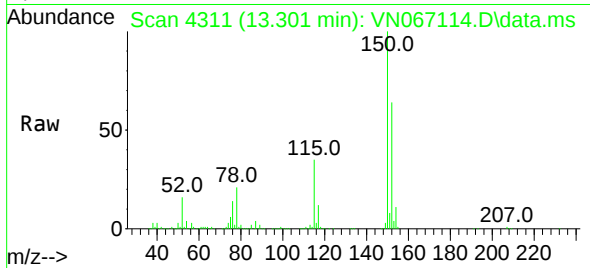




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.301 min Scan# 4311
Delta R.T. 0.002 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

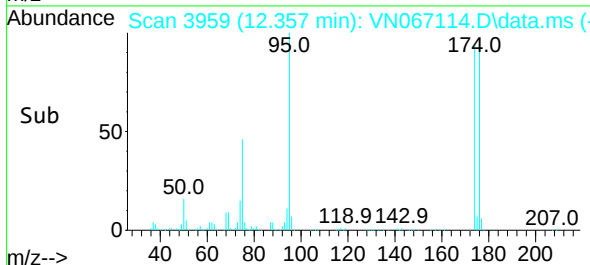
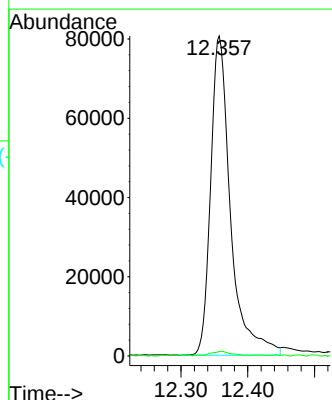
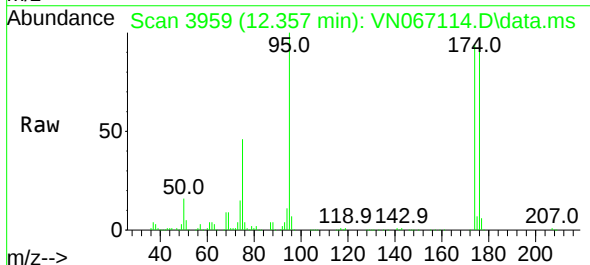
Instrument :
MSVOA_N
ClientSampled :

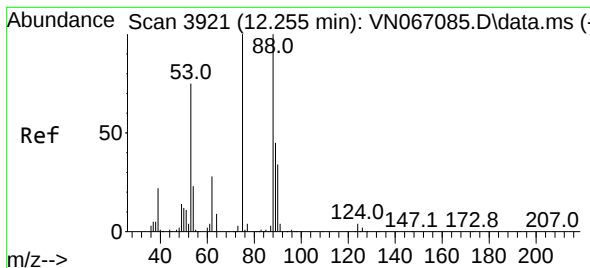
Tgt Ion:152 Resp: 333416
Ion Ratio Lower Upper
152 100
115 54.8 27.0 80.8
150 158.5 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 23.73 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. -0.151 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

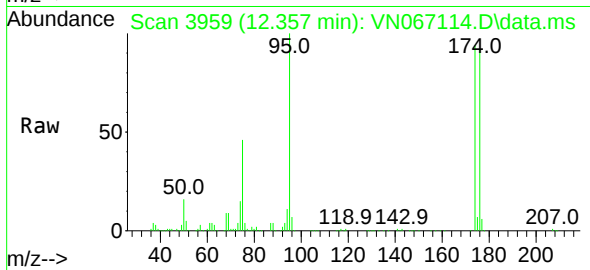
Tgt Ion: 75 Resp: 166935
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



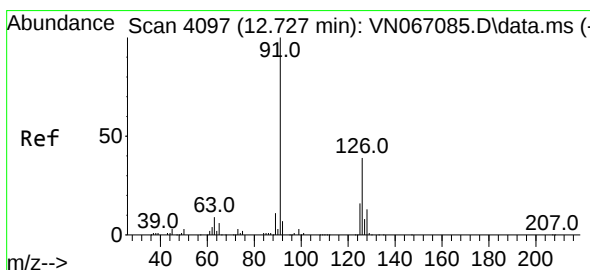
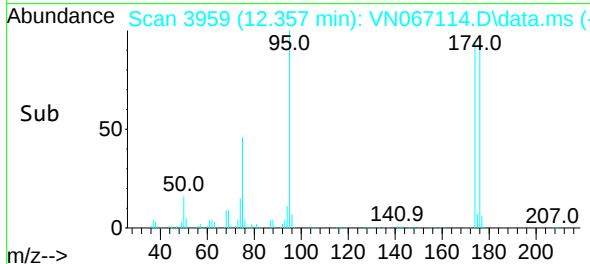
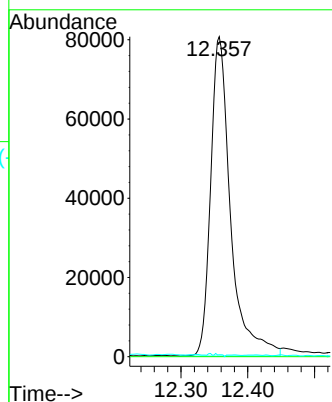


#81
trans-1,4-Dichloro-2-butene
Concen: 70.97 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.102 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

Instrument :
MSVOA_N
ClientSampled :

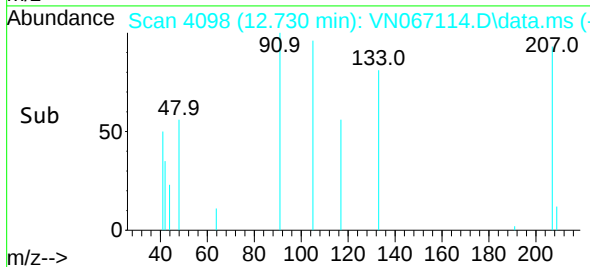
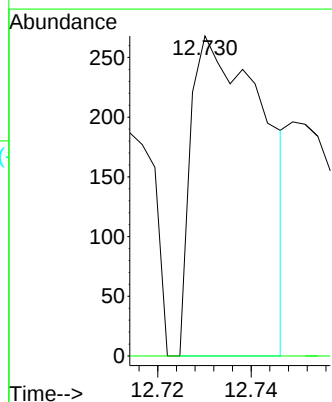
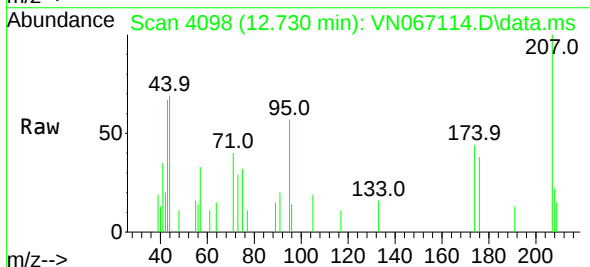


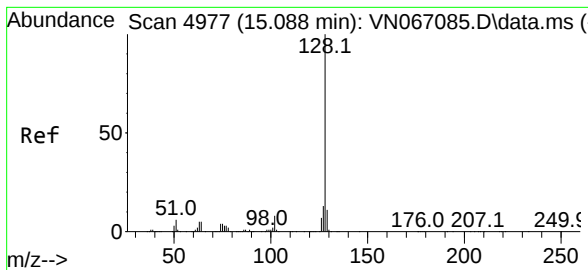
Tgt Ion: 75 Resp: 166935
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.3 39.5 59.3#



#82
4-Chlorotoluene
Concen: 1.20 ug/l
RT: 12.730 min Scan# 4098
Delta R.T. 0.003 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

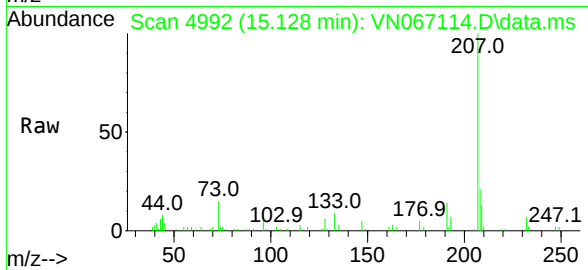
Tgt Ion: 91 Resp: 292
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#





#95
Naphthalene
Concen: 3.37 ug/l
RT: 15.128 min Scan# 4992
Delta R.T. 0.040 min
Lab File: VN067114.D
Acq: 17 May 2021 20:09

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	1679
Ion	Ratio	Lower	Upper
128	100		
127	1.5	10.2	15.2#
129	1.5	8.6	13.0#

