

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051021\
 Data File : VN067074.D
 Acq On : 10 May 2021 16:11
 Operator : JC/MD
 Sample : PB136216ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 11 01:47:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 07:24:52 2021
 Response via : Initial Calibration

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

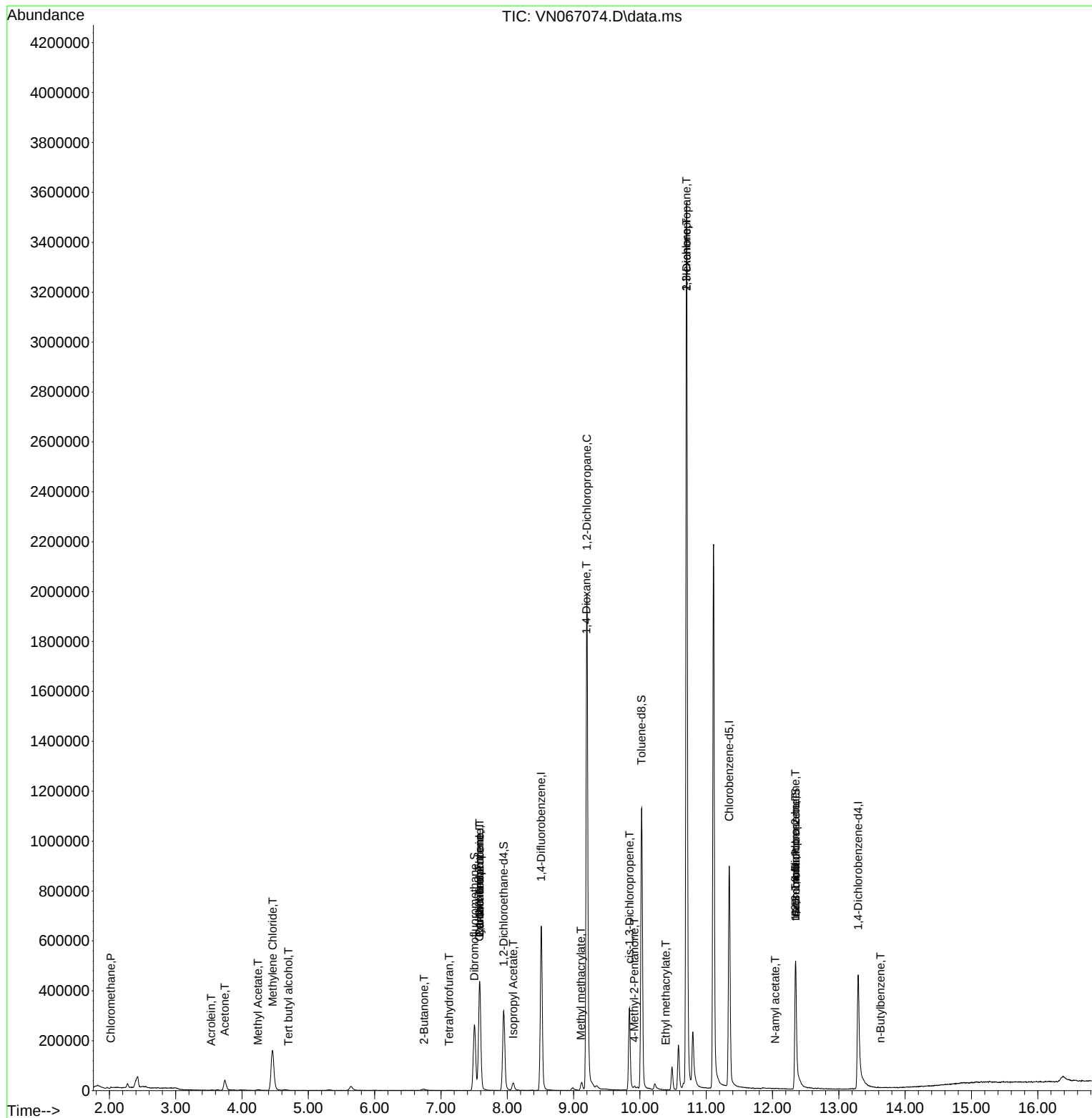
Internal Standards						
1) Pentafluorobenzene	7.584	168	335160	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.512	114	566275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	528255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	176851	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.946	65	294969	55.91	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	111.82%		
35) Dibromofluoromethane	7.504	113	210727	54.80	ug/l	-0.01
Spiked Amount 50.000	Range 69 - 133		Recovery =	109.60%		
50) Toluene-d8	10.025	98	784932	53.60	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.20%		
62) 4-Bromofluorobenzene	12.347	95	227029	45.79	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.58%		
Target Compounds						Qvalue
3) Chloromethane	2.022	50	2876	0.44	ug/l	# 83
11) Tert butyl alcohol	4.701	59	497	0.67	ug/l	# 73
13) Acrolein	3.534	56	721	1.16	ug/l	94
16) Acetone	3.741	43	71191	38.36	ug/l	99
18) Methyl Acetate	4.237	43	5725	1.08	ug/l	# 59
20) Methylene Chloride	4.462	84	119695	25.43	ug/l	95
25) 2-Butanone	6.745	43	2865	1.05	ug/l	91
29) Tetrahydrofuran	7.123	42	480	0.26	ug/l	# 32
31) Cyclohexane	7.579	56	8377	1.13	ug/l	# 16
36) 1,1-Dichloropropene	7.581	75	29962	5.08	ug/l	# 49
38) Carbon Tetrachloride	7.584	117	34811	5.66	ug/l	# 17
43) Isopropyl Acetate	8.091	43	38871	3.98	ug/l	# 86
45) 1,2-Dichloropropane	9.201	63	2514	0.49	ug/l	# 44
48) Methyl methacrylate	9.110	41	7405	1.71	ug/l	# 10
49) 1,4-Dioxane	9.193	88	224	3.27	ug/l	# 1
51) 4-Methyl-2-Pentanone	9.915	43	9125	1.62	ug/l	96
54) cis-1,3-Dichloropropene	9.842	75	61397	7.91	ug/l	# 67
56) Ethyl methacrylate	10.389	69	113	5.21	ug/l	# 27
57) 1,3-Dichloropropane	10.703	76	36352	4.75	ug/l	# 43
59) 2-Hexanone	10.703	43	507194	137.46	ug/l	# 50
71) Bromoform	12.347	173	1107	0.35	ug/l	# 1
74) N-amyl acetate	12.039	43	564	0.23	ug/l	# 50
76) 1,2,3-Trichloropropane	12.345	75	120276	28.55	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.345	75	120276	85.13	ug/l	# 12
89) n-Butylbenzene	13.629	91	81	5.25	ug/l	# 34

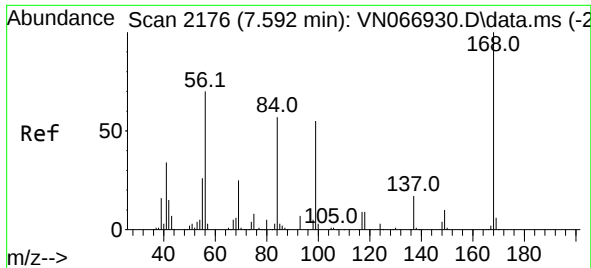
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051021\
Data File : VN067074.D
Acq On : 10 May 2021 16:11
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 11 01:47:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
Quant Title : SW846 8260
QLast Update : Wed May 05 07:24:52 2021
Response via : Initial Calibration

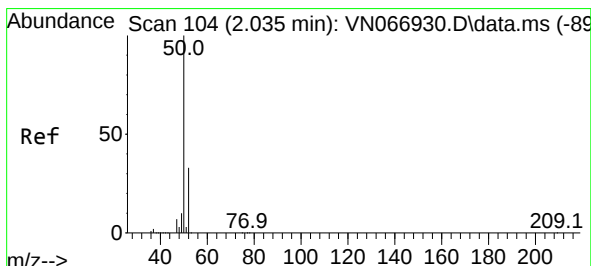
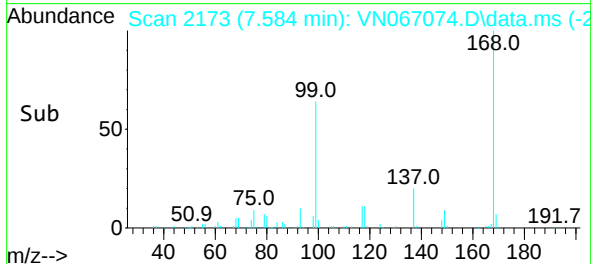
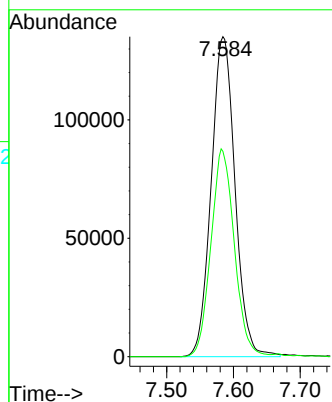
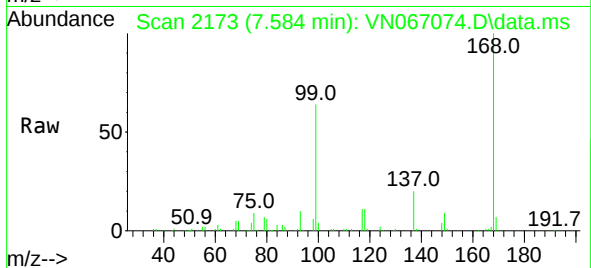




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2173
Delta R.T. -0.008 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

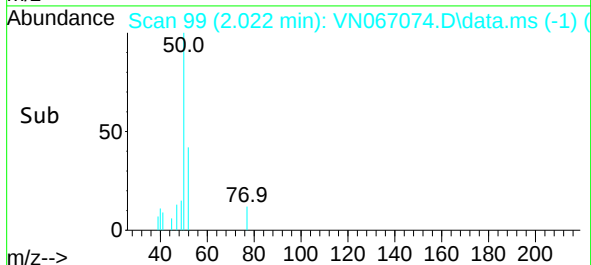
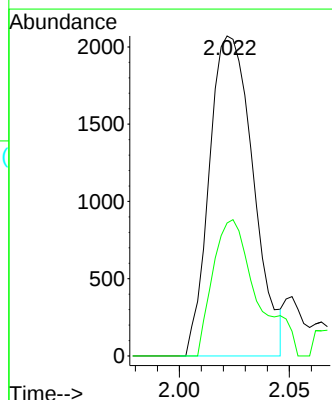
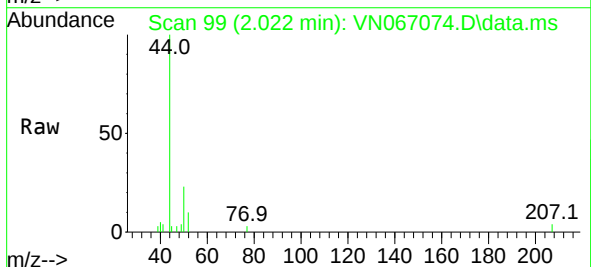
Instrument :
MSVOA_N
ClientSampled :

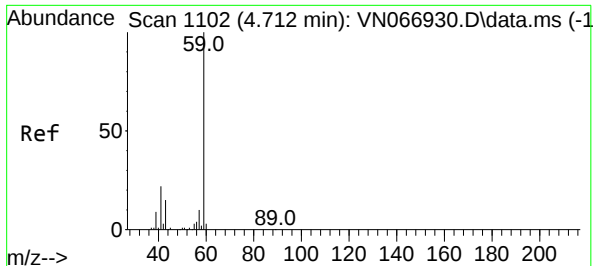
Tgt Ion:168 Resp: 335160
Ion Ratio Lower Upper
168 100
99 64.2 42.6 63.8#



#3
Chloromethane
Concen: 0.44 ug/l
RT: 2.022 min Scan# 99
Delta R.T. -0.013 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

Tgt Ion: 50 Resp: 2876
Ion Ratio Lower Upper
50 100
52 41.6 25.8 38.8#



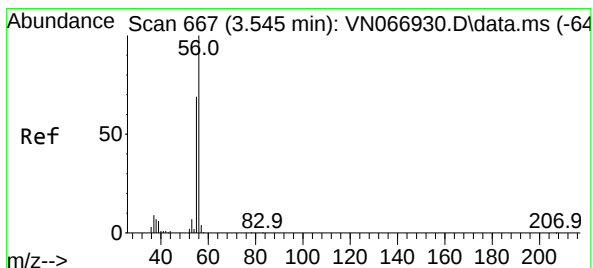
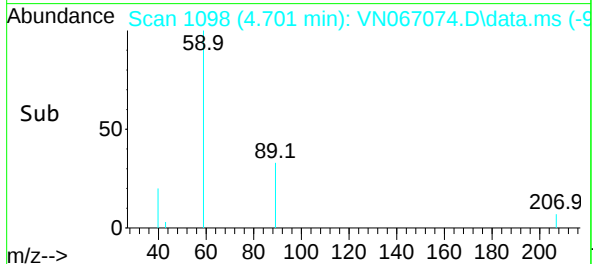
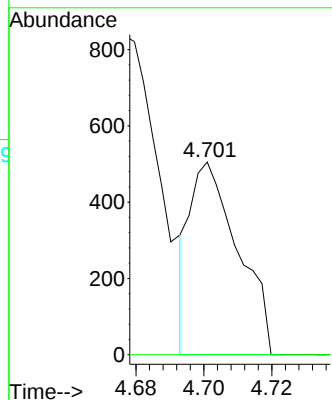
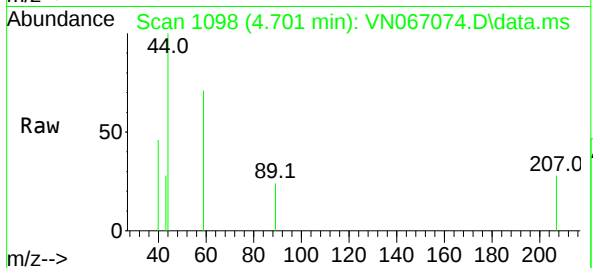


#11

Tert butyl alcohol
Concen: 0.67 ug/l
RT: 4.701 min Scan# 1098
Delta R.T. -0.011 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

Instrument :
MSVOA_N
ClientSampled :

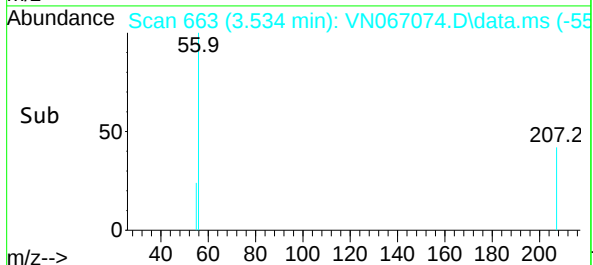
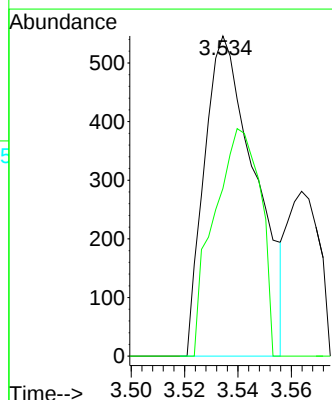
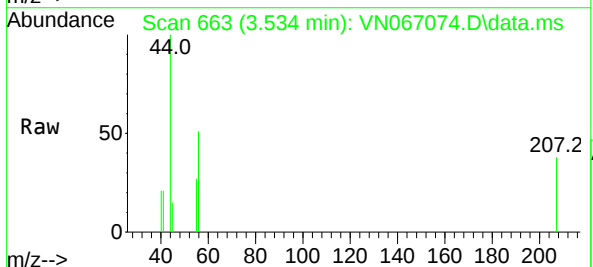
Tgt Ion: 59 Resp: 497
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

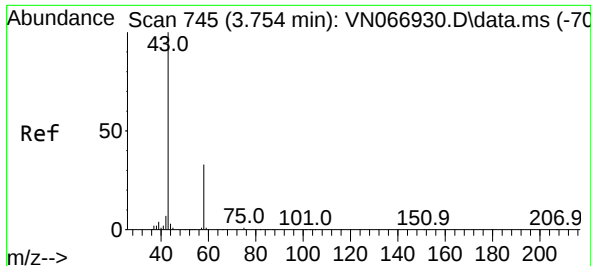


#13

Acrolein
Concen: 1.16 ug/l
RT: 3.534 min Scan# 663
Delta R.T. -0.011 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

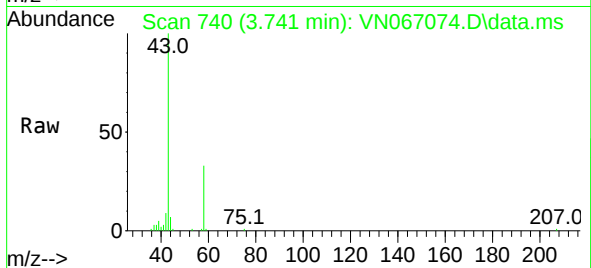
Tgt Ion: 56 Resp: 721
Ion Ratio Lower Upper
56 100
55 64.9 56.0 84.0



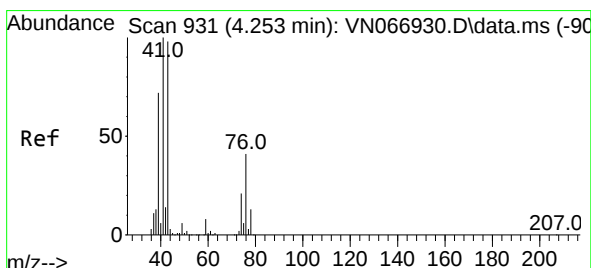
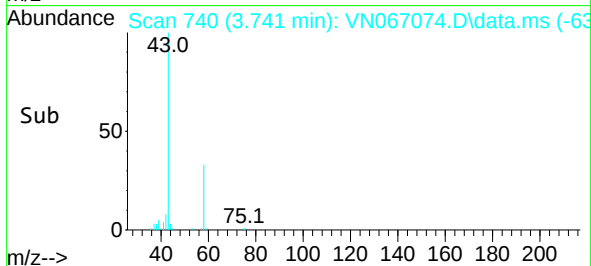
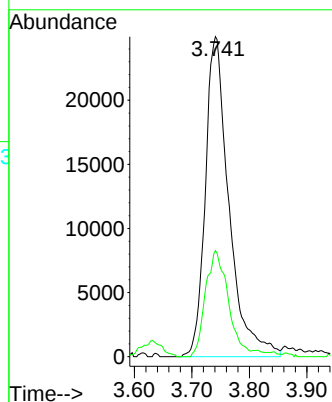


#16
Acetone
Concen: 38.36 ug/l
RT: 3.741 min Scan# 740
Delta R.T. -0.013 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

Instrument :
MSVOA_N
ClientSampled :

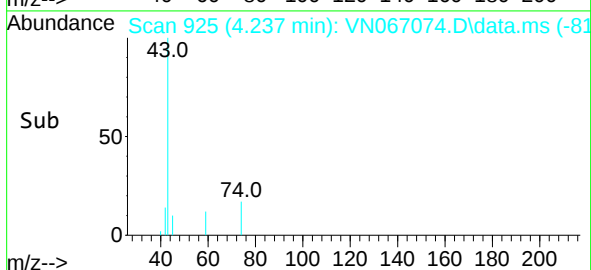
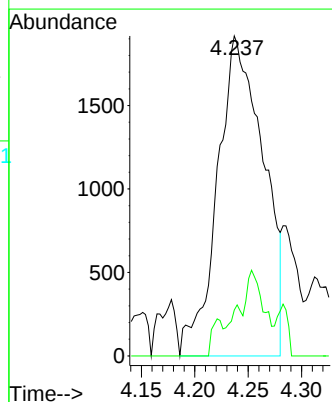
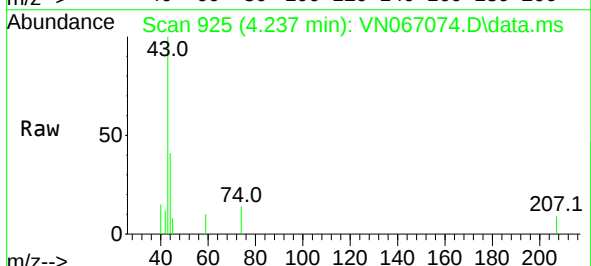


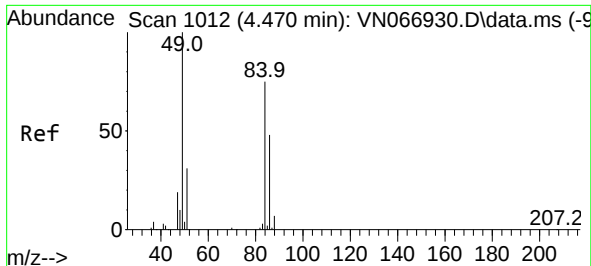
Tgt Ion: 43 Resp: 71191
Ion Ratio Lower Upper
43 100
58 33.2 27.0 40.6



#18
Methyl Acetate
Concen: 1.08 ug/l
RT: 4.237 min Scan# 925
Delta R.T. -0.016 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

Tgt Ion: 43 Resp: 5725
Ion Ratio Lower Upper
43 100
74 4.2 19.5 29.3#





#20

Methylene Chloride

Concen: 25.43 ug/l

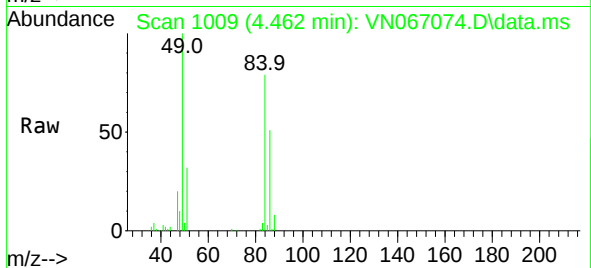
RT: 4.462 min Scan# 1009

Delta R.T. -0.008 min

Lab File: VN067074.D

Acq: 10 May 2021 16:11

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 119695

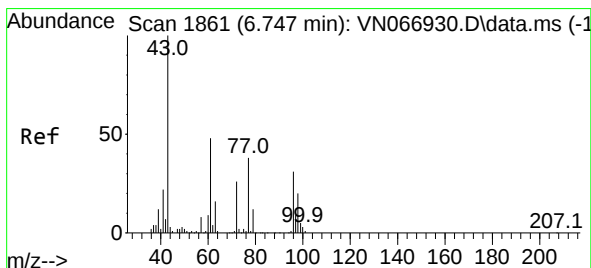
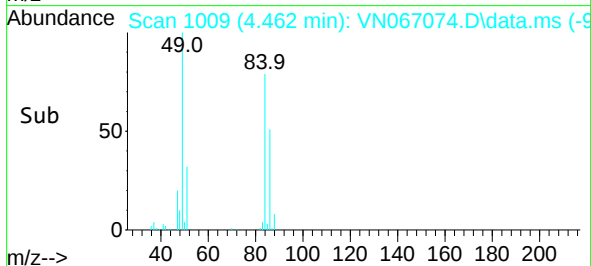
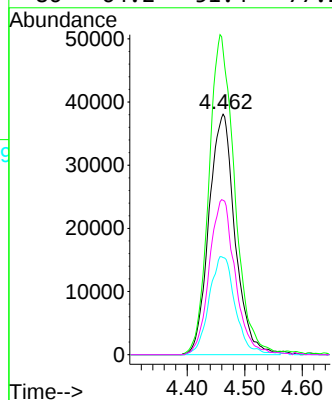
Ion Ratio Lower Upper

84 100

49 126.5 94.6 141.8

51 40.4 29.9 44.9

86 64.2 51.4 77.2



#25

2-Butanone

Concen: 1.05 ug/l

RT: 6.745 min Scan# 1860

Delta R.T. -0.002 min

Lab File: VN067074.D

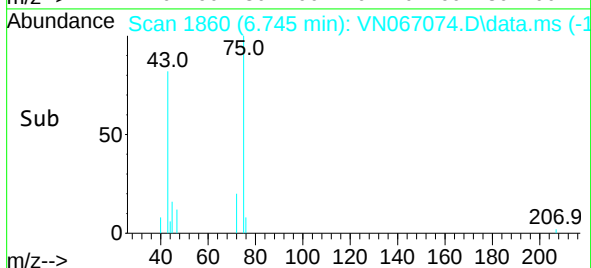
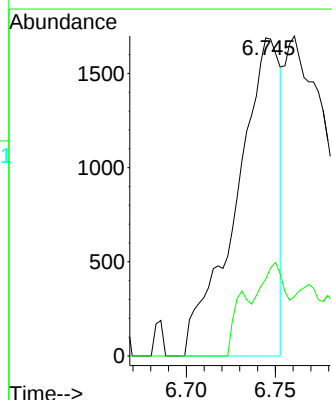
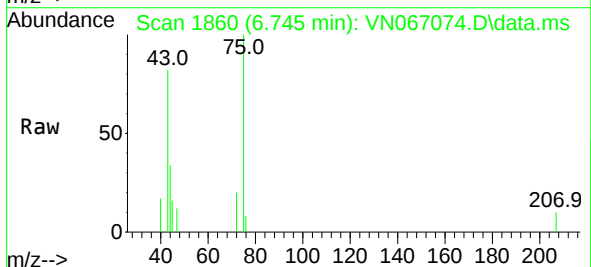
Acq: 10 May 2021 16:11

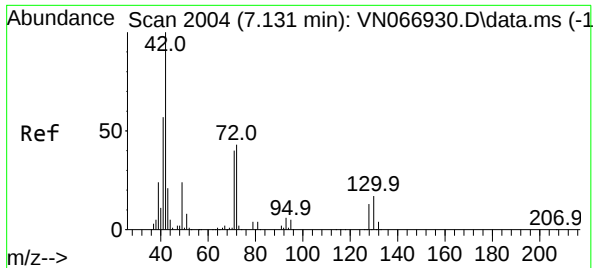
Tgt Ion: 43 Resp: 2865

Ion Ratio Lower Upper

43 100

72 24.2 23.1 34.7





#29

Tetrahydrofuran

Concen: 0.26 ug/l

RT: 7.123 min Scan# 2001

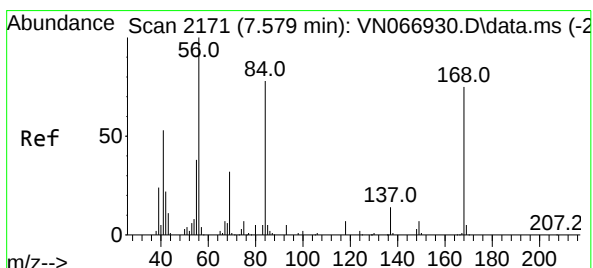
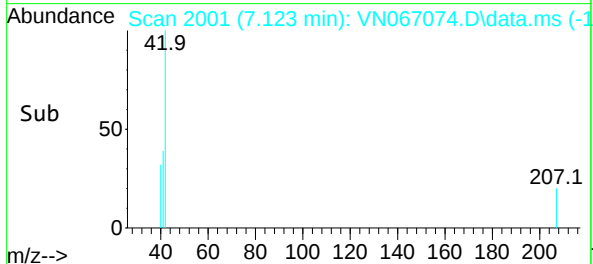
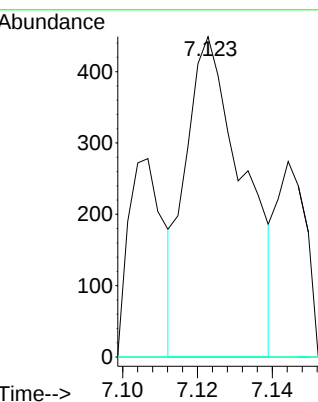
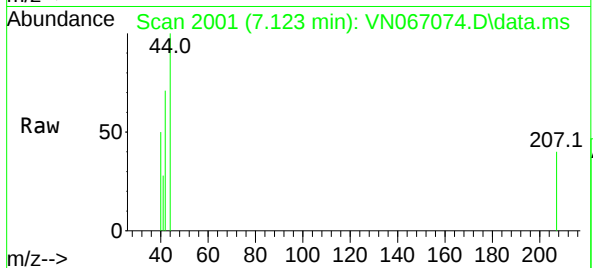
Delta R.T. -0.008 min

Lab File: VN067074.D

Acq: 10 May 2021 16:11

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	42	Resp:	480
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	0.0	34.3	51.5#



#31

Cyclohexane

Concen: 1.13 ug/l

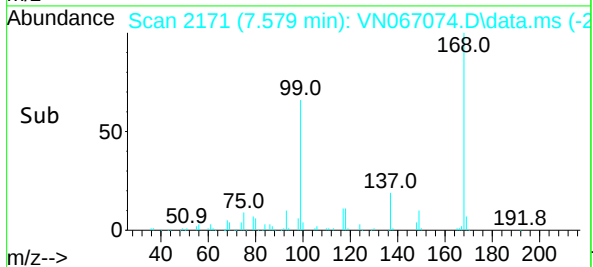
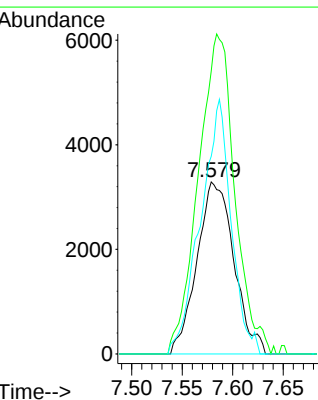
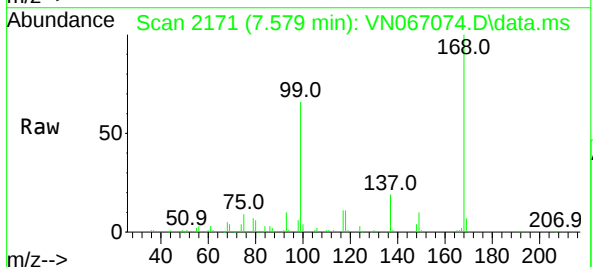
RT: 7.579 min Scan# 2171

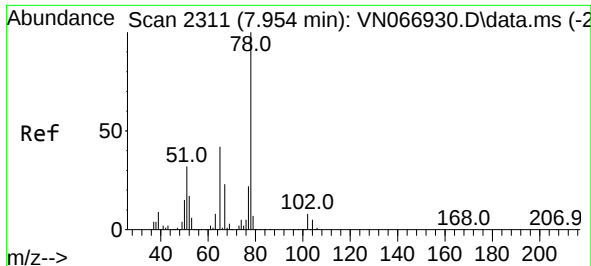
Delta R.T. -0.000 min

Lab File: VN067074.D

Acq: 10 May 2021 16:11

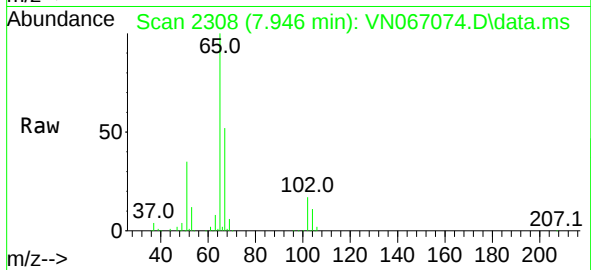
Tgt Ion:	56	Resp:	8377
Ion	Ratio	Lower	Upper
56	100		
69	164.4	26.6	39.8#
84	114.9	70.4	105.6#



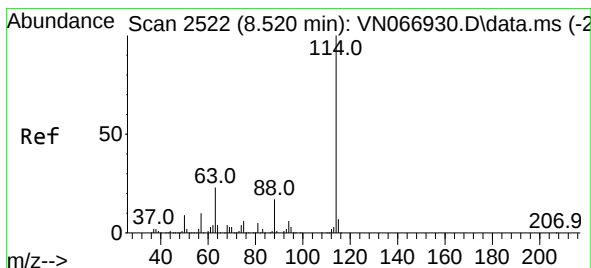
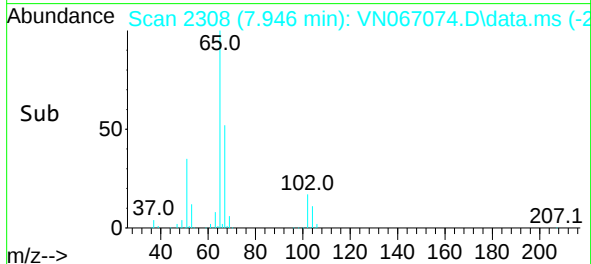
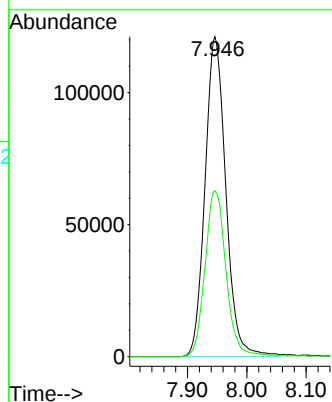


#33
 1,2-Dichloroethane-d4
 Concen: 55.91 ug/l
 RT: 7.946 min Scan# 2308
 Delta R.T. -0.008 min
 Lab File: VN067074.D
 Acq: 10 May 2021 16:11

Instrument :
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 ClientSampleId :

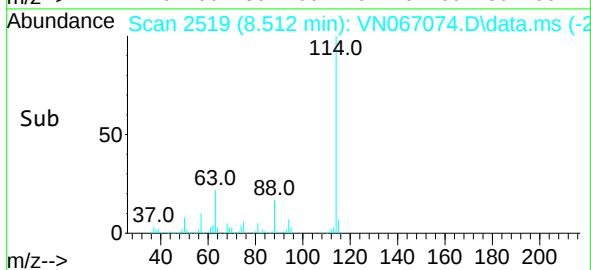
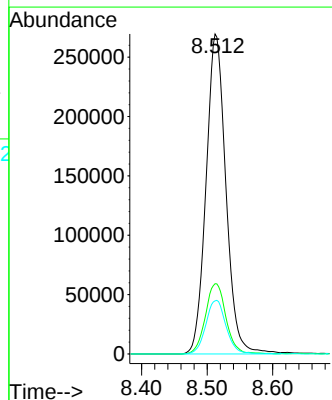
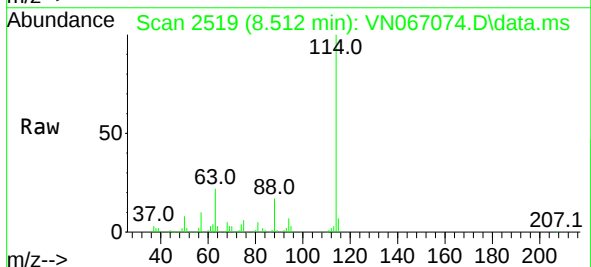


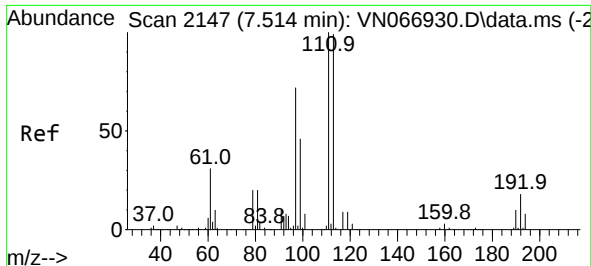
Tgt Ion: 65 Resp: 294969
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.512 min Scan# 2519
 Delta R.T. -0.008 min
 Lab File: VN067074.D
 Acq: 10 May 2021 16:11

Tgt Ion: 114 Resp: 566275
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 38.6
 88 16.6 0.0 30.6

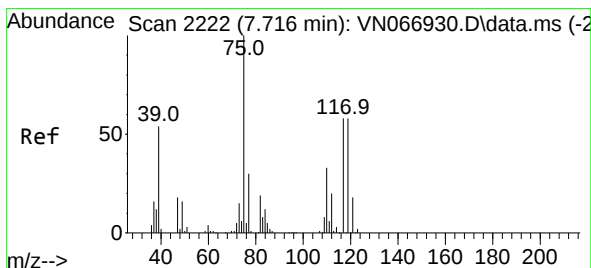
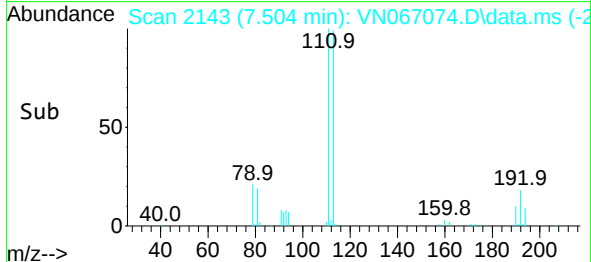
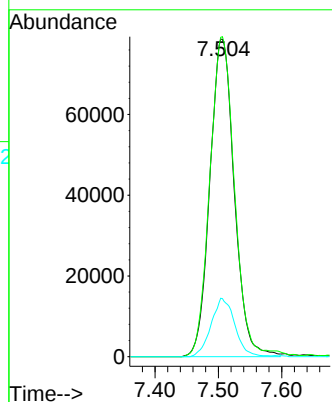
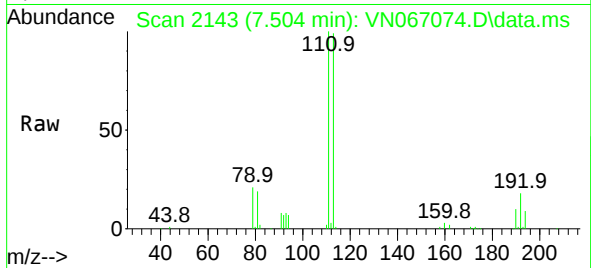




#35
Dibromofluoromethane
Concen: 54.80 ug/l
RT: 7.504 min Scan# 2143
Delta R.T. -0.010 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

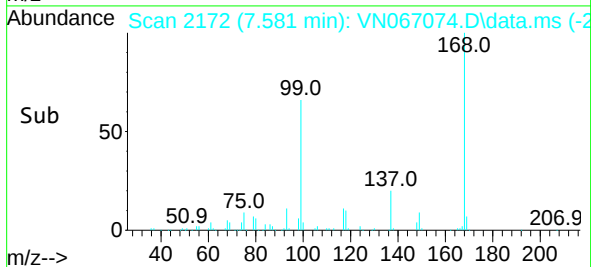
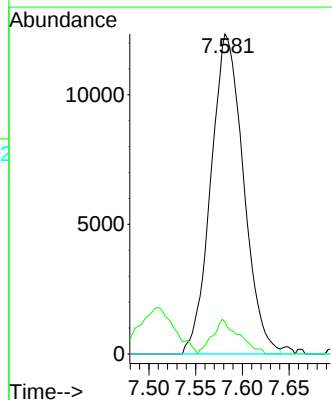
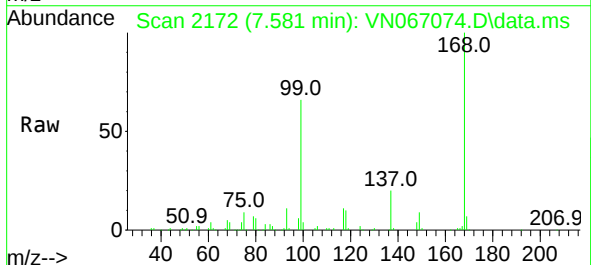
Instrument :
MSVOA_N
ClientSampleId :

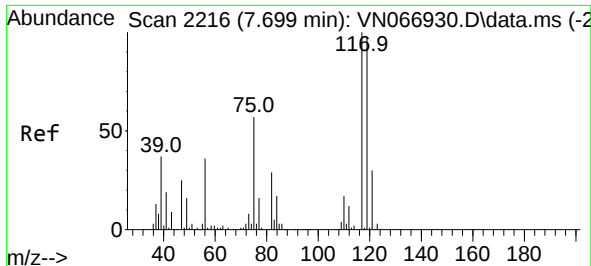
Tgt Ion:113 Resp: 210727
Ion Ratio Lower Upper
113 100
111 100.6 82.2 123.2
192 17.9 15.4 23.0



#36
1,1-Dichloropropene
Concen: 5.08 ug/l
RT: 7.581 min Scan# 2172
Delta R.T. -0.135 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

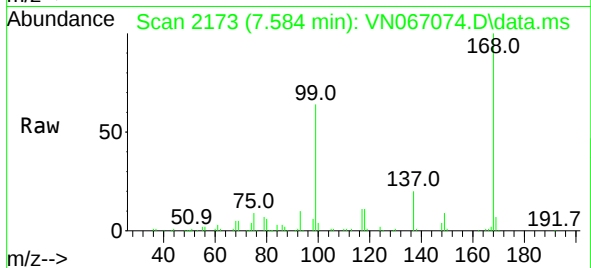
Tgt Ion: 75 Resp: 29962
Ion Ratio Lower Upper
75 100
110 8.7 18.2 54.6#
77 0.0 24.9 37.3#



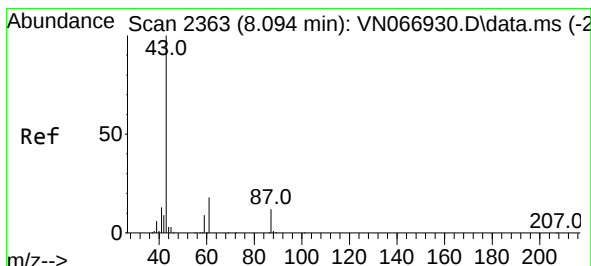
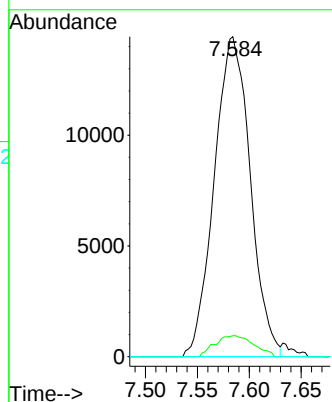
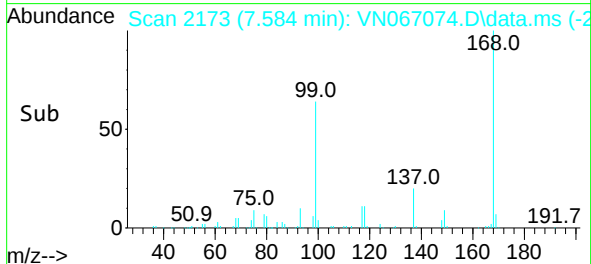


#38
Carbon Tetrachloride
Concen: 5.66 ug/l
RT: 7.584 min Scan# 2173
Delta R.T. -0.115 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

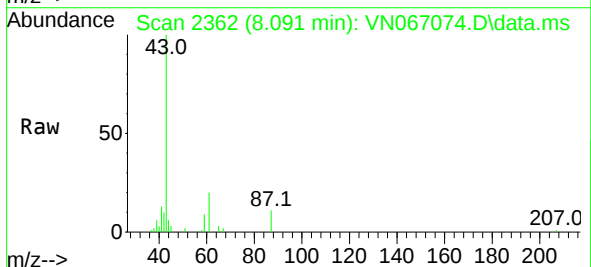
Instrument :
MSVOA_N
ClientSampled :



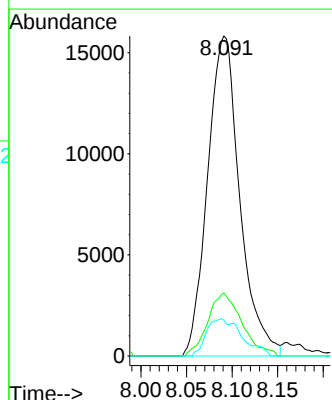
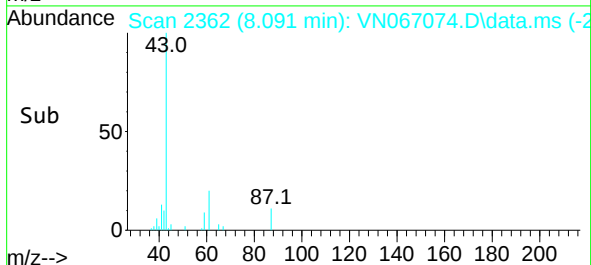
Tgt Ion: 117 Resp: 34811
Ion Ratio Lower Upper
117 100
119 6.5 76.0 114.0#
121 0.0 24.5 36.7#

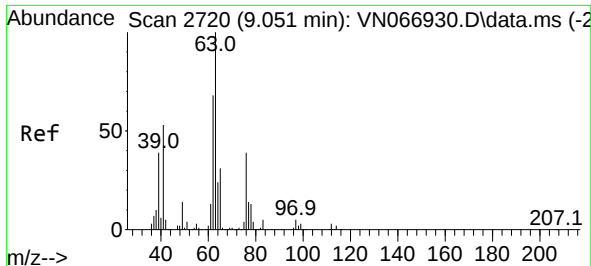


#43
Isopropyl Acetate
Concen: 3.98 ug/l
RT: 8.091 min Scan# 2362
Delta R.T. -0.003 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11



Tgt Ion: 43 Resp: 38871
Ion Ratio Lower Upper
43 100
61 20.9 22.5 33.7#
87 7.8 11.1 16.7#



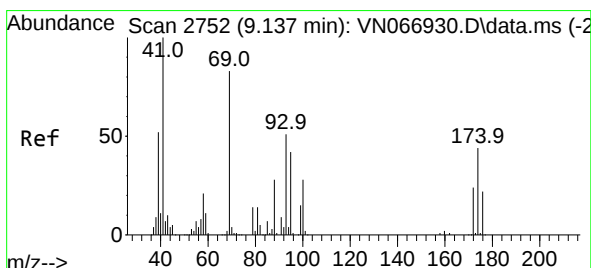
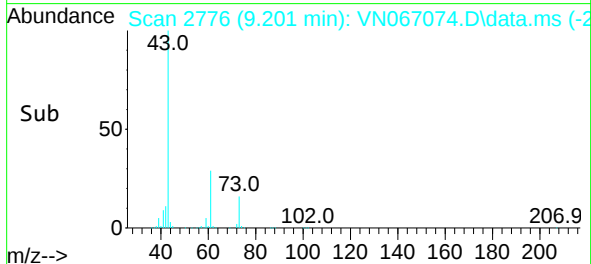
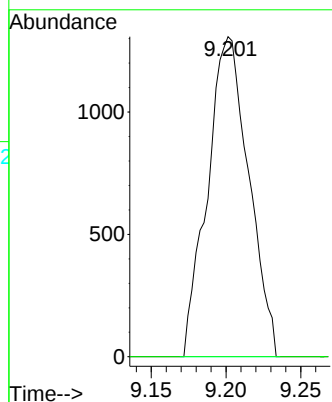
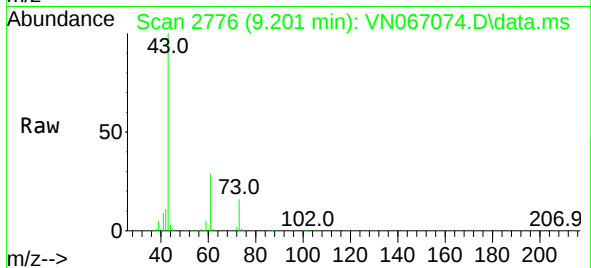


#45

1,2-Dichloropropane
Concen: 0.49 ug/l
RT: 9.201 min Scan# 2776
Delta R.T. 0.150 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

Instrument :
MSVOA_N
ClientSampled :

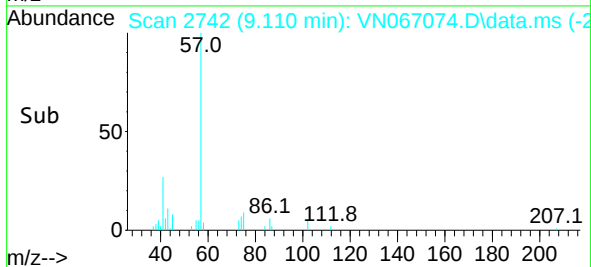
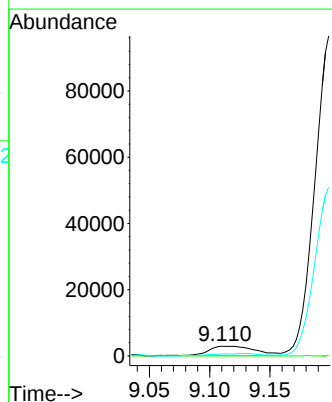
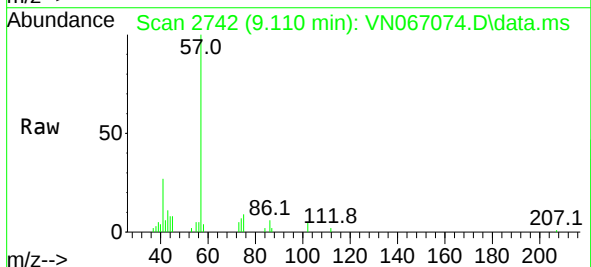
Tgt Ion: 63 Resp: 2514
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

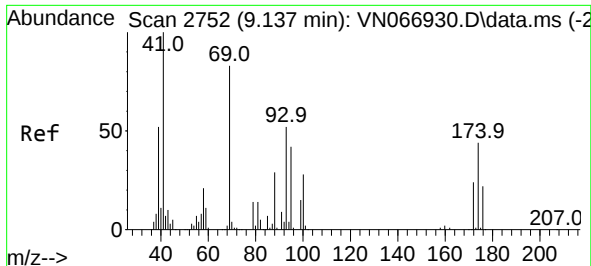


#48

Methyl methacrylate
Concen: 1.71 ug/l
RT: 9.110 min Scan# 2742
Delta R.T. -0.027 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

Tgt Ion: 41 Resp: 7405
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#





#49

1,4-Dioxane

Concen: 3.27 ug/l

RT: 9.193 min Scan# 2773

Delta R.T. 0.056 min

Lab File: VN067074.D

Acq: 10 May 2021 16:11

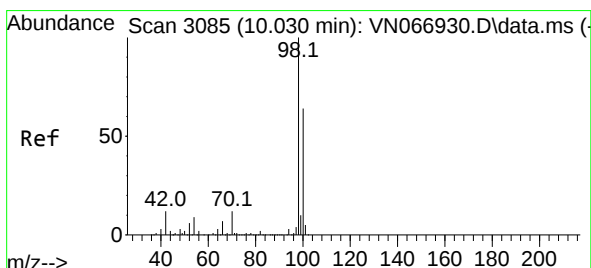
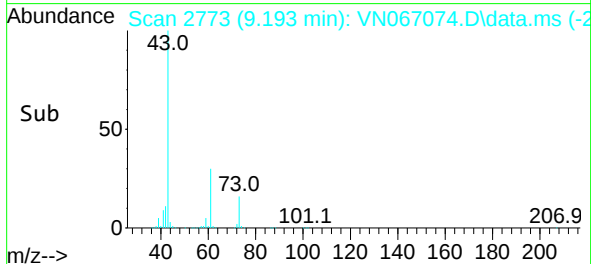
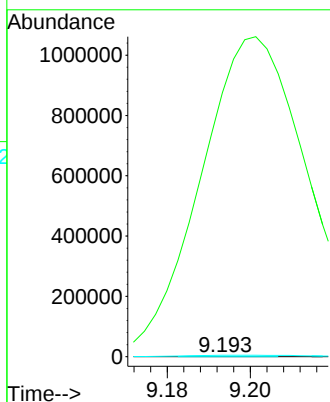
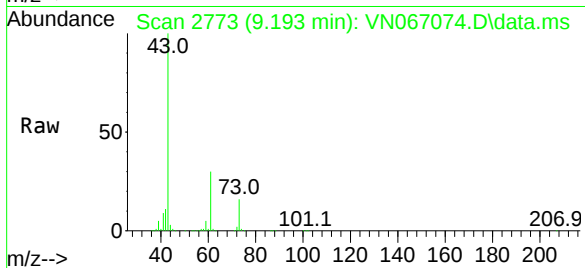
Tgt Ion: 88 Resp: 224

Ion Ratio Lower Upper

88 100

43 918979.0 24.7 37.1#

58 4820.5 52.6 78.8#



#50

Toluene-d8

Concen: 53.60 ug/l

RT: 10.025 min Scan# 3083

Delta R.T. -0.005 min

Lab File: VN067074.D

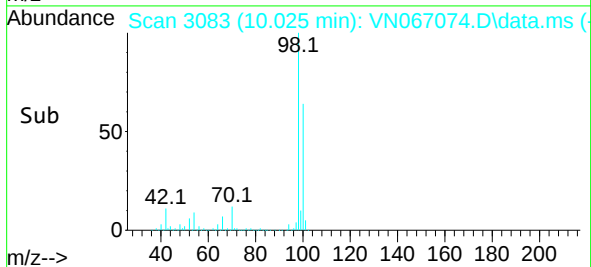
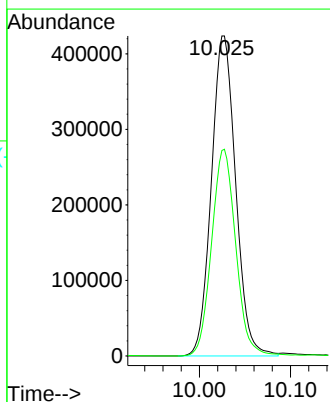
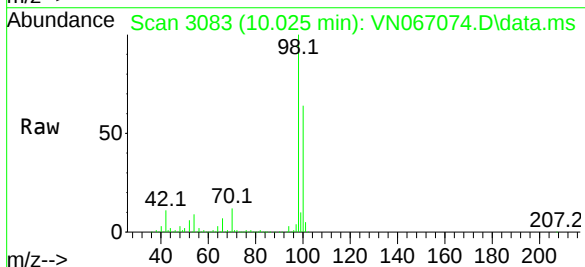
Acq: 10 May 2021 16:11

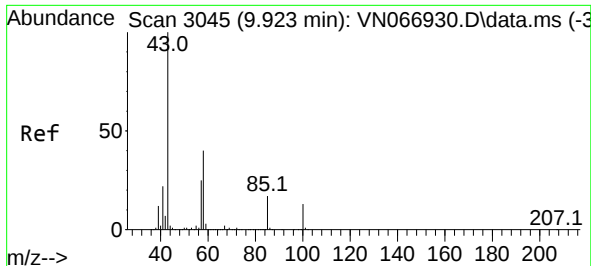
Tgt Ion: 98 Resp: 784932

Ion Ratio Lower Upper

98 100

100 64.2 50.5 75.7

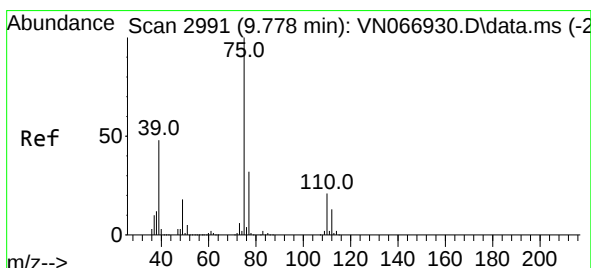
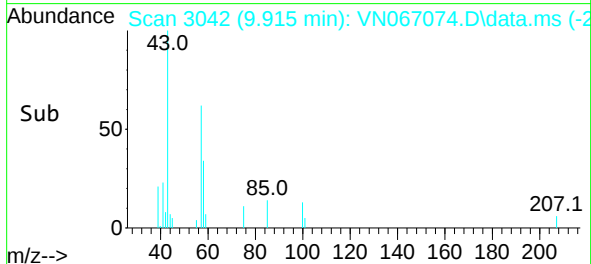
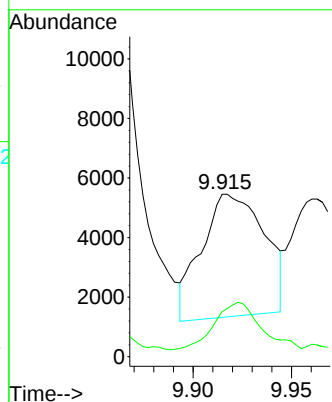
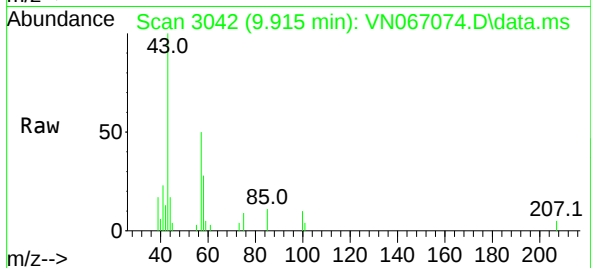




#51
4-Methyl-2-Pentanone
Concen: 1.62 ug/l
RT: 9.915 min Scan# 3042
Delta R.T. -0.008 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

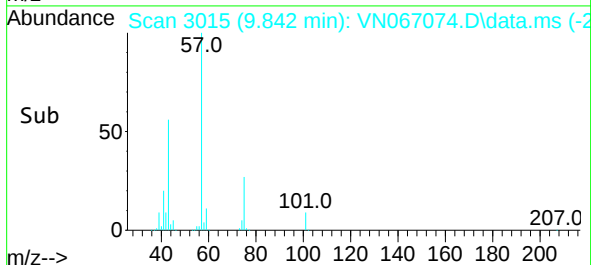
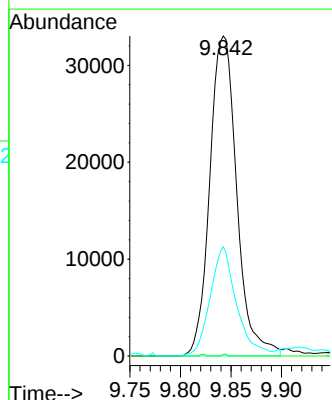
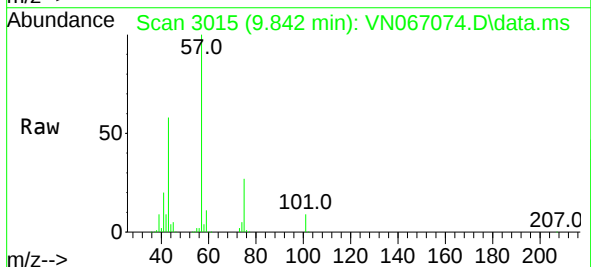
Instrument :
MSVOA_N
ClientSampled :

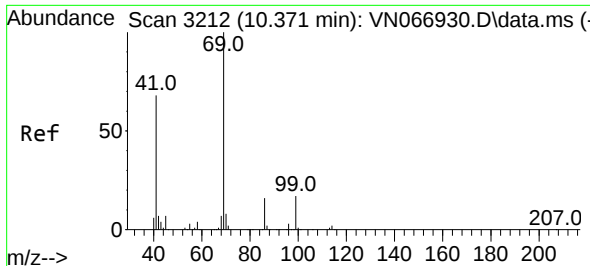
Tgt Ion: 43 Resp: 9125
Ion Ratio Lower Upper
43 100
58 38.4 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 7.91 ug/l
RT: 9.842 min Scan# 3015
Delta R.T. 0.064 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

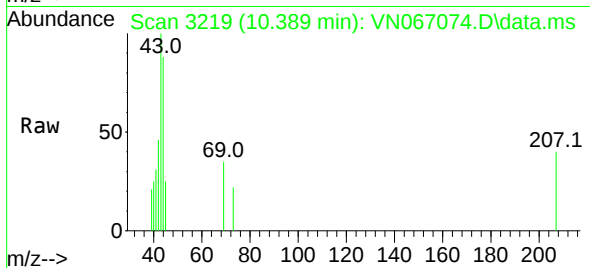
Tgt Ion: 75 Resp: 61397
Ion Ratio Lower Upper
75 100
77 0.5 24.9 37.3#
39 34.1 36.2 54.4#



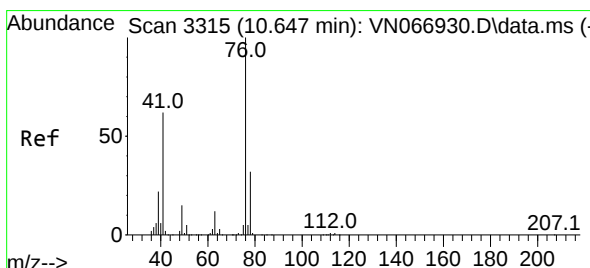
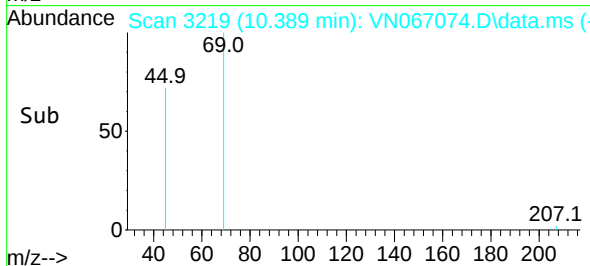
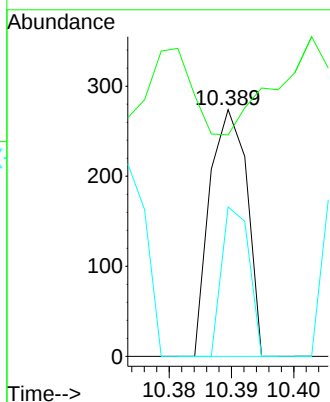


#56
Ethyl methacrylate
Concen: 5.21 ug/l
RT: 10.389 min Scan# 3219
Delta R.T. 0.018 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

Instrument :
MSVOA_N
ClientSampled :

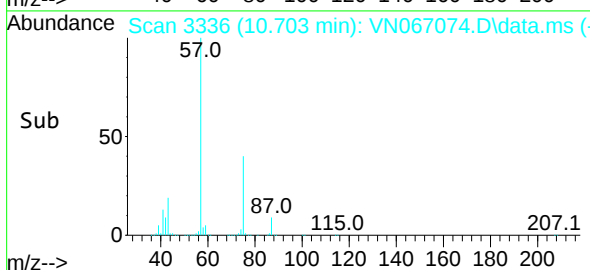
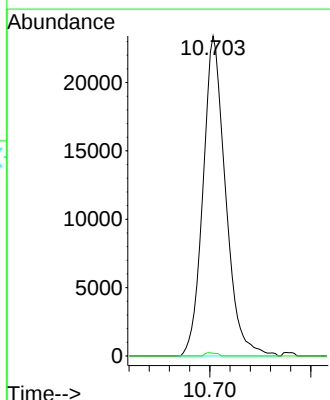
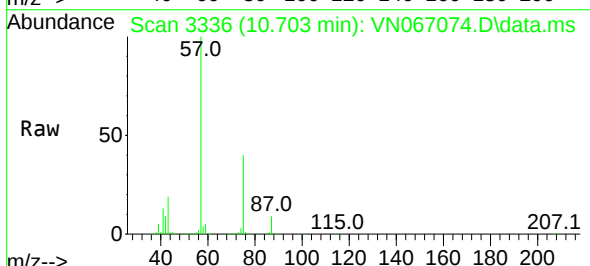


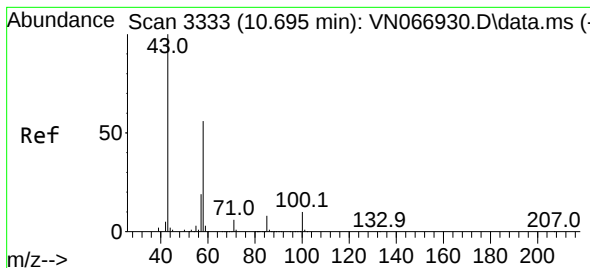
Tgt Ion: 69 Resp: 113
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.75 ug/l
RT: 10.703 min Scan# 3336
Delta R.T. 0.056 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

Tgt Ion: 76 Resp: 36352
Ion Ratio Lower Upper
76 100
78 0.5 25.7 38.5#

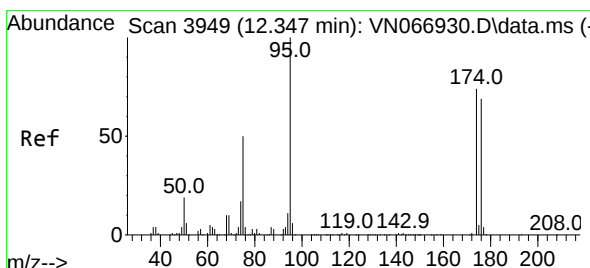
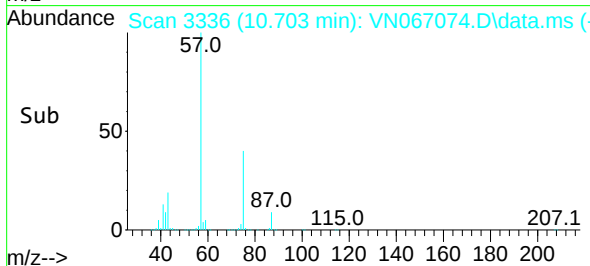
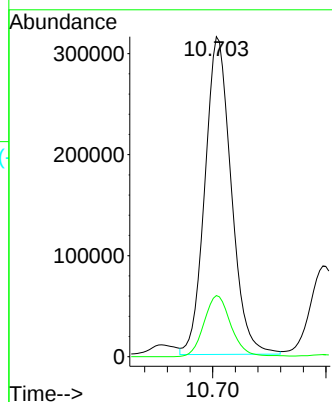
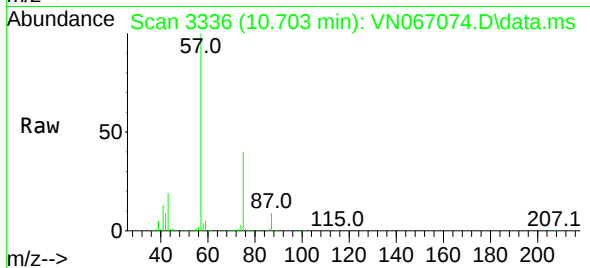




#59
2-Hexanone
Concen: 137.46 ug/l
RT: 10.703 min Scan# 3336
Delta R.T. 0.008 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

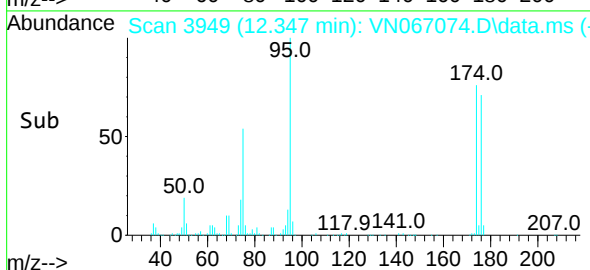
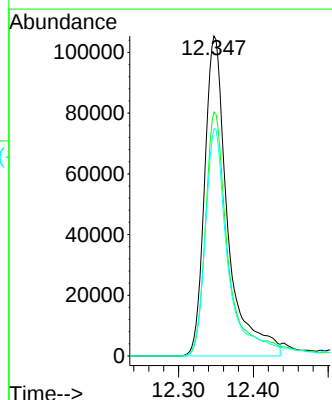
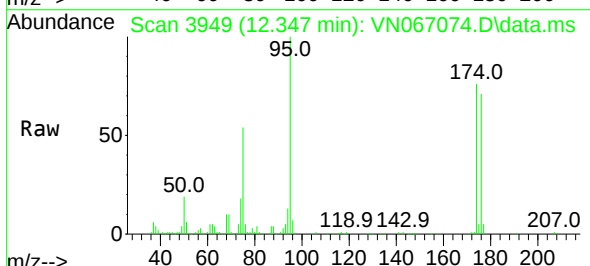
Instrument :
MSVOA_N
ClientSampled :

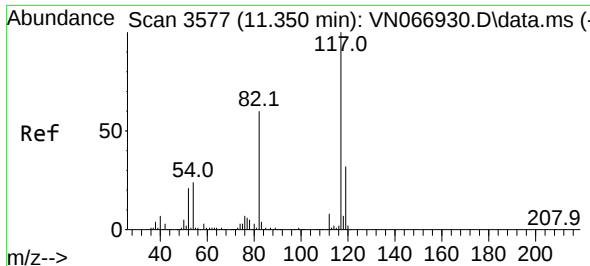
Tgt Ion: 43 Resp: 507194
Ion Ratio Lower Upper
43 100
58 19.9 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 45.79 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

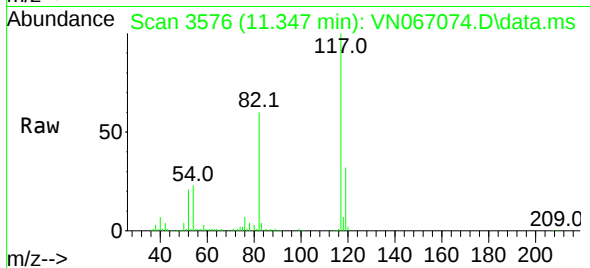
Tgt Ion: 95 Resp: 227029
Ion Ratio Lower Upper
95 100
174 72.0 0.0 169.0
176 71.0 0.0 162.4



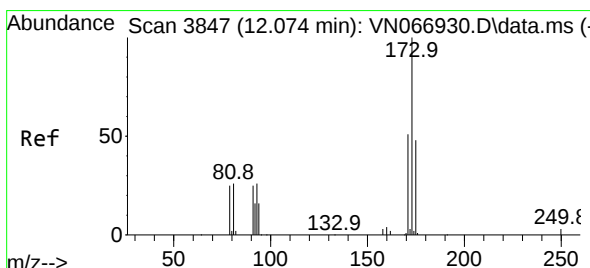
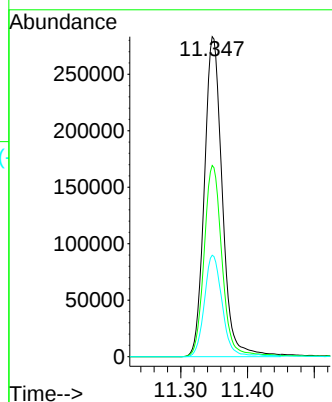
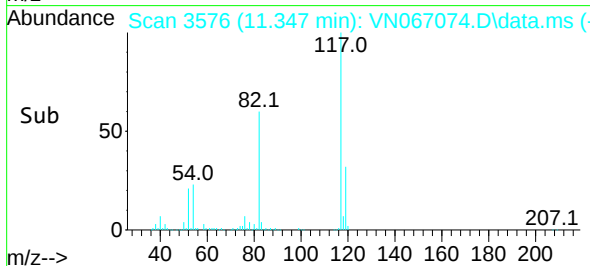


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3576
Delta R.T. -0.003 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

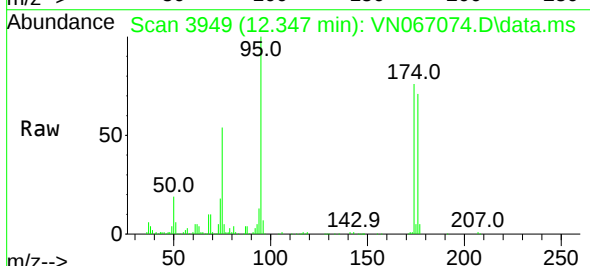
Instrument :
MSVOA_N
ClientSampleId :



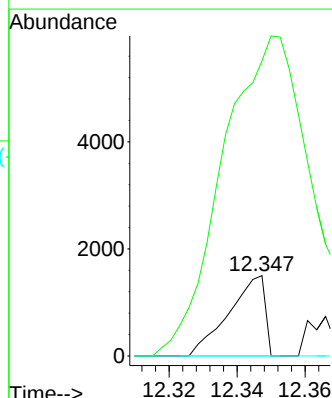
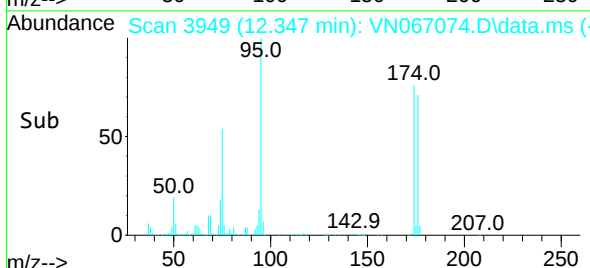
Tgt Ion:117 Resp: 528255
Ion Ratio Lower Upper
117 100
82 59.7 43.7 65.5
119 31.7 26.1 39.1

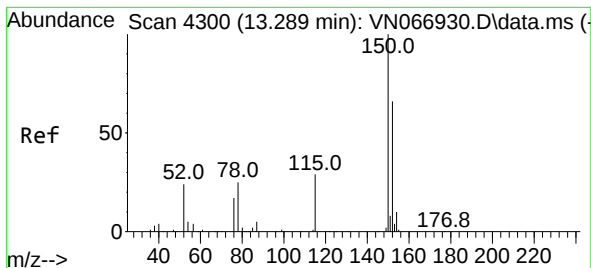


#71
Bromoform
Concen: 0.35 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. 0.273 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11



Tgt Ion:173 Resp: 1107
Ion Ratio Lower Upper
173 100
175 889.9 23.8 71.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.291 min Scan# 4301

Delta R.T. 0.002 min

Lab File: VN067074.D

Acq: 10 May 2021 16:11

Tgt Ion:152 Resp: 176851

Ion Ratio Lower Upper

152 100

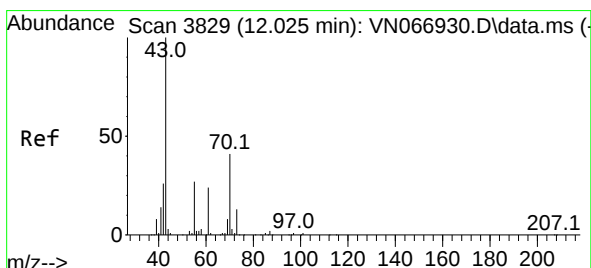
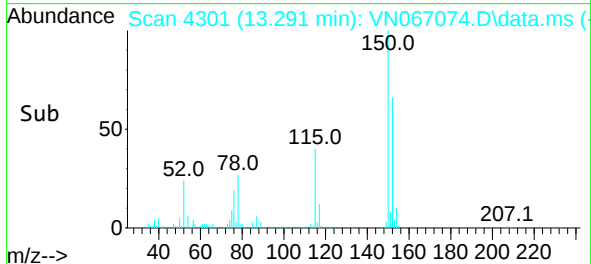
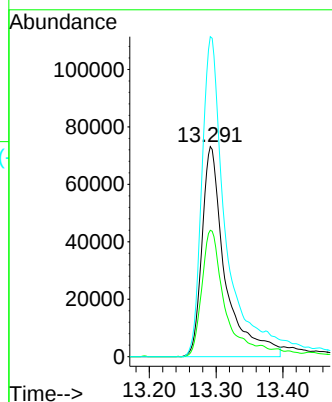
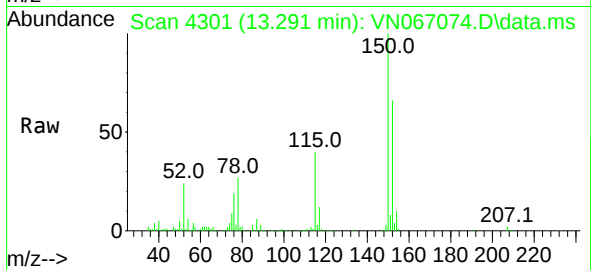
115 58.1 28.5 85.6

150 149.7 0.0 347.6

Instrument :

MSVOA_N

ClientSampled :



#74

N-ethyl acetate

Concen: 0.23 ug/l

RT: 12.039 min Scan# 3834

Delta R.T. 0.014 min

Lab File: VN067074.D

Acq: 10 May 2021 16:11

Tgt Ion: 43 Resp: 564

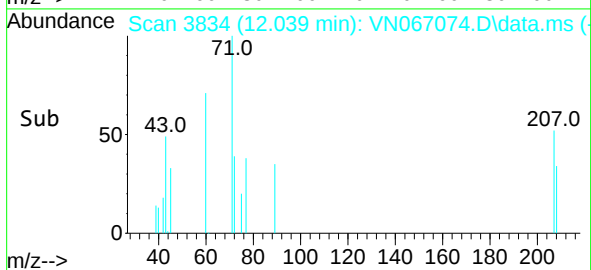
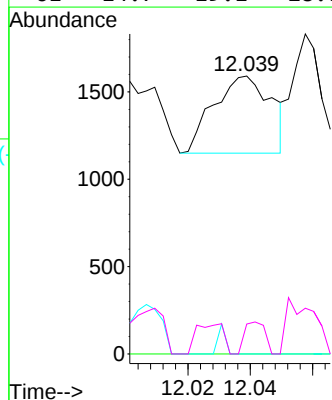
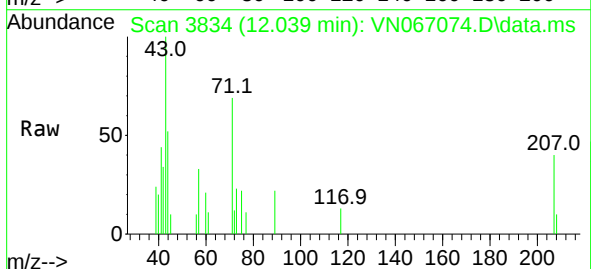
Ion Ratio Lower Upper

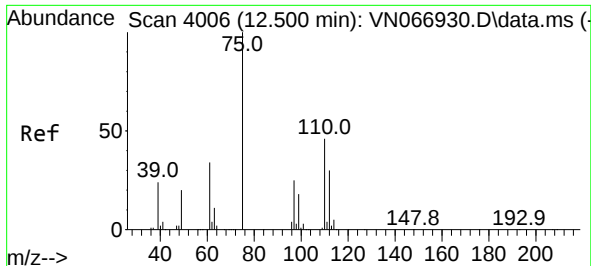
43 100

70 0.0 34.4 51.6#

55 0.0 20.7 31.1#

61 14.7 19.1 28.7#

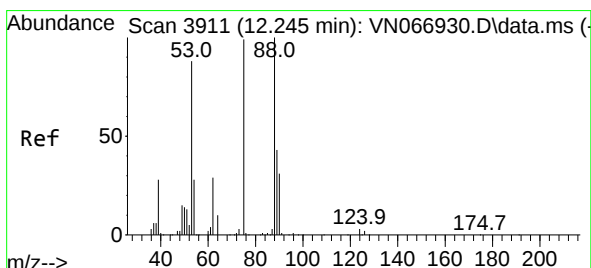
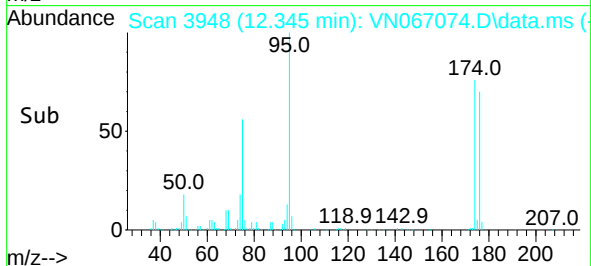
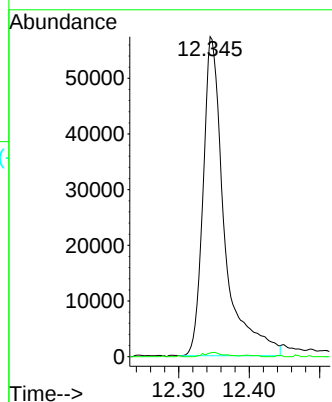
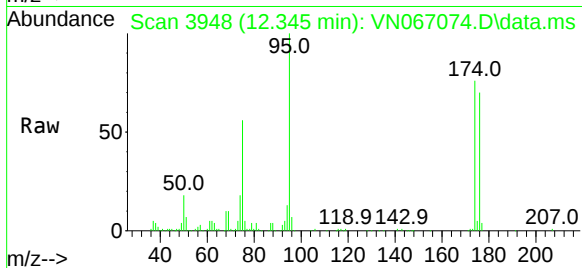




#76
1,2,3-Trichloropropane
Concen: 28.55 ug/l
RT: 12.345 min Scan# 3948
Delta R.T. -0.155 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

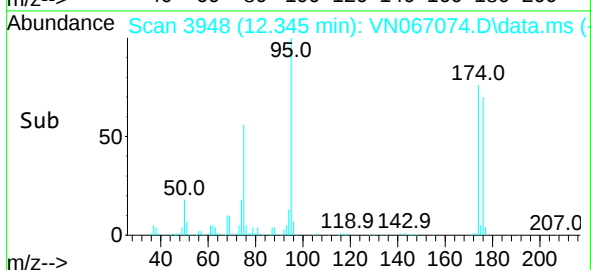
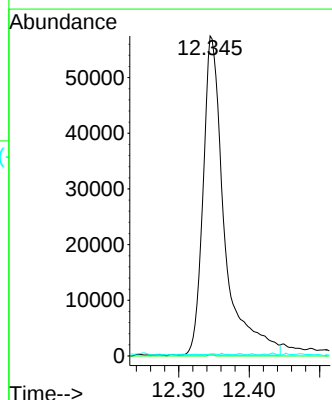
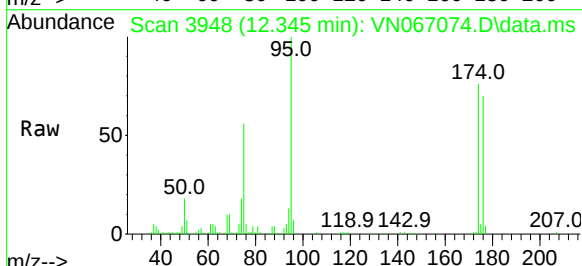
Instrument :
MSVOA_N
ClientSampleId :

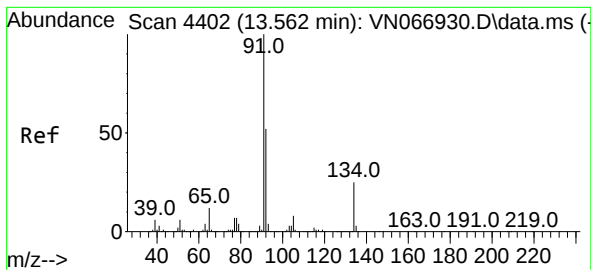
Tgt Ion: 75 Resp: 120276
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.13 ug/l
RT: 12.345 min Scan# 3948
Delta R.T. 0.100 min
Lab File: VN067074.D
Acq: 10 May 2021 16:11

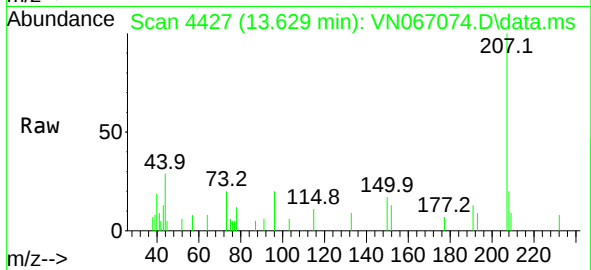
Tgt Ion: 75 Resp: 120276
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 0.1 35.8 53.8#





#89
 n-Butylbenzene
 Concen: 5.25 ug/l
 RT: 13.629 min Scan# 4427
 Delta R.T. 0.067 min
 Lab File: VN067074.D
 Acq: 10 May 2021 16:11

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 91 Resp: 81
 Ion Ratio Lower Upper
 91 100
 92 0.0 26.1 78.3#
 134 0.0 13.0 38.9#

