

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030121\
 Data File : VN066090.D
 Acq On : 1 Mar 2021 20:39
 Operator : JC/MD
 Sample : M1489-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-41087-88

Quant Time: Mar 01 21:47:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

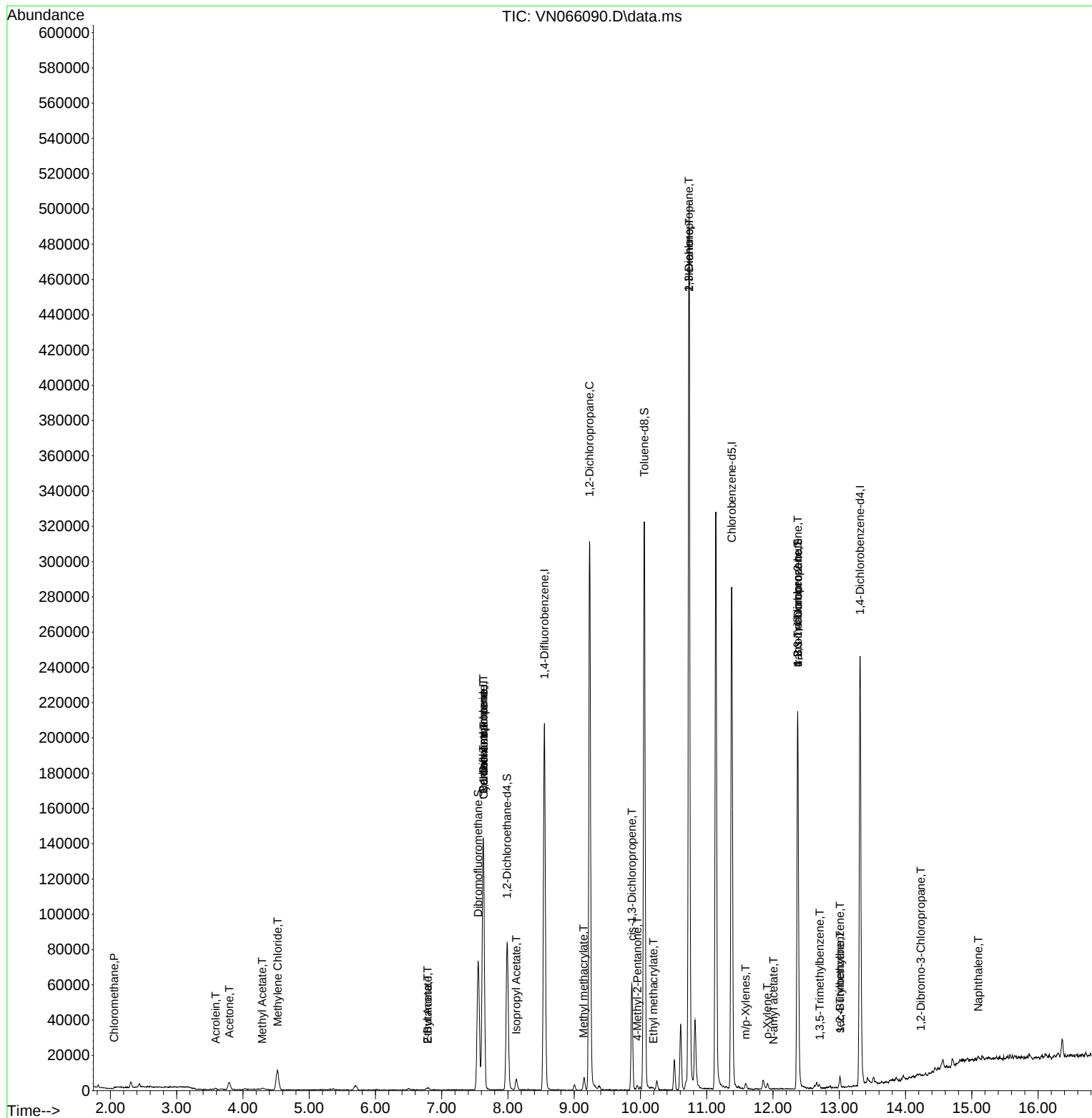
Internal Standards						
1) Pentafluorobenzene	7.627	168	114617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	188499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	170534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	69706	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	79176	49.40	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.80%		
35) Dibromofluoromethane	7.550	113	57102	48.95	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.90%		
50) Toluene-d8	10.058	98	230390	48.11	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.22%		
62) 4-Bromofluorobenzene	12.373	95	82575	45.93	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.86%		
Target Compounds					Qvalue	
3) Chloromethane	2.055	50	558	0.30	ug/l	94
13) Acrolein	3.589	56	918	4.50	ug/l	92
16) Acetone	3.795	43	8063	14.50	ug/l #	87
18) Methyl Acetate	4.290	43	600	0.45	ug/l #	51
20) Methylene Chloride	4.525	84	8708	5.86	ug/l	92
25) 2-Butanone	6.788	43	978	1.23	ug/l #	46
31) Cyclohexane	7.631	56	2247	0.94	ug/l #	21
36) 1,1-Dichloropropene	7.627	75	8291	4.46	ug/l #	50
37) Ethyl Acetate	6.788	43	978	0.58	ug/l #	68
38) Carbon Tetrachloride	7.627	117	11778	6.82	ug/l #	17
43) Isopropyl Acetate	8.126	43	7006	2.62	ug/l #	77
45) 1,2-Dichloropropane	9.232	63	297	0.20	ug/l #	44
48) Methyl methacrylate	9.139	41	1766	1.30	ug/l #	10
51) 4-Methyl-2-Pentanone	9.952	43	2277	1.40	ug/l #	76
54) cis-1,3-Dichloropropene	9.872	75	11564	5.15	ug/l #	61
56) Ethyl methacrylate	10.193	69	840	0.43	ug/l #	63
57) 1,3-Dichloropropane	10.730	76	5258	2.28	ug/l #	43
59) 2-Hexanone	10.733	43	73410	63.32	ug/l #	48
68) m/p-Xylenes	11.589	106	1386	0.58	ug/l	95
69) o-Xylene	11.917	106	1035	0.45	ug/l	93
74) N-amyl acetate	12.010	43	545	0.28	ug/l #	42
76) 1,2,3-Trichloropropane	12.373	75	42654	25.47	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.704	105	1167	0.24	ug/l	78
81) trans-1,4-Dichloro-2-b...	12.373	75	42654	81.18	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.013	105	4143	0.85	ug/l	100
85) sec-Butylbenzene	13.013	105	4143	0.80	ug/l #	56
92) 1,2-Dibromo-3-Chloropr...	14.232	75	29	0.93	ug/l #	1
95) Naphthalene	15.097	128	2184	3.56	ug/l #	88

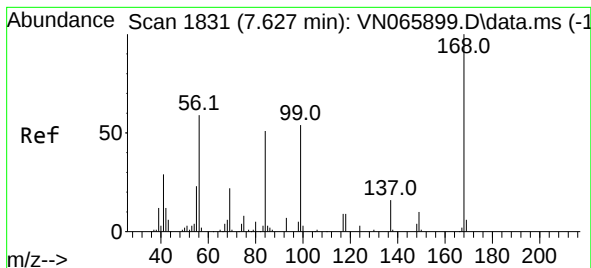
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.627 min Scan# 1831

Delta R.T. 0.000 min

Lab File: VN066090.D

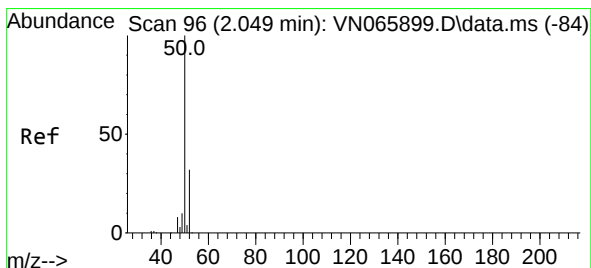
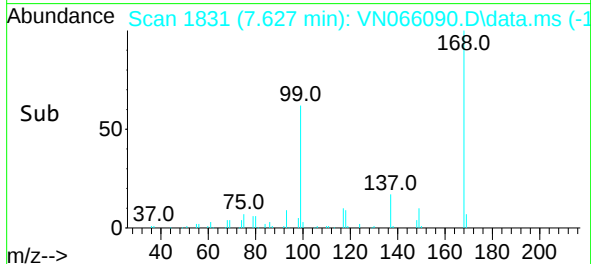
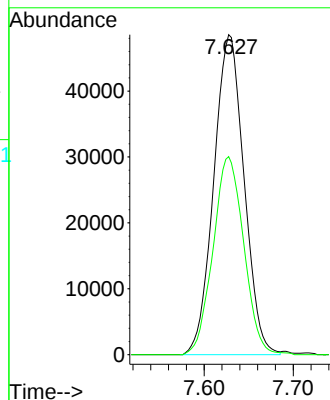
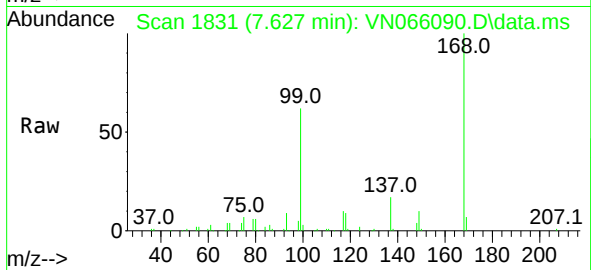
Acq: 1 Mar 2021 20:39

Tgt Ion:168 Resp: 114617

Ion Ratio Lower Upper

168 100

99 61.9 42.6 63.8



#3

Chloromethane

Concen: 0.30 ug/l

RT: 2.055 min Scan# 98

Delta R.T. 0.006 min

Lab File: VN066090.D

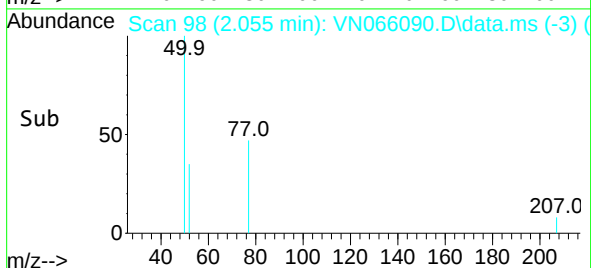
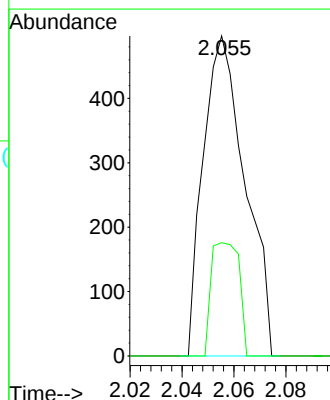
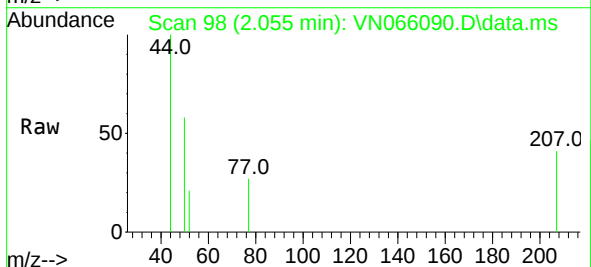
Acq: 1 Mar 2021 20:39

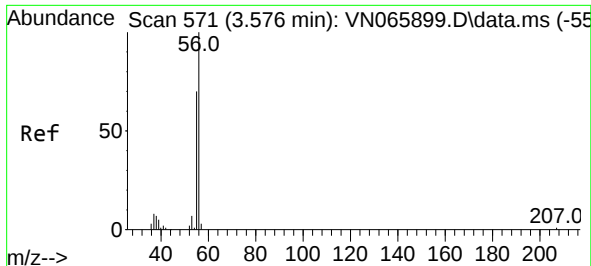
Tgt Ion: 50 Resp: 558

Ion Ratio Lower Upper

50 100

52 35.4 25.8 38.8

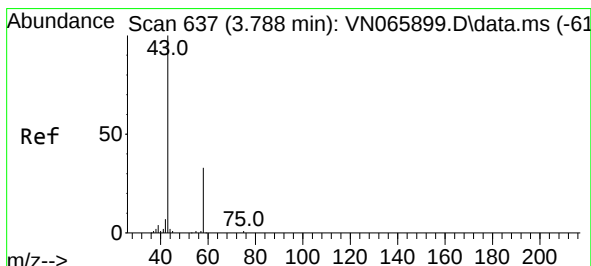
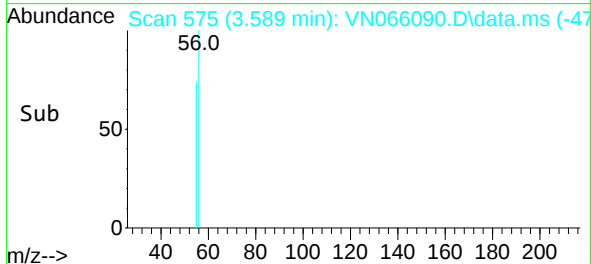
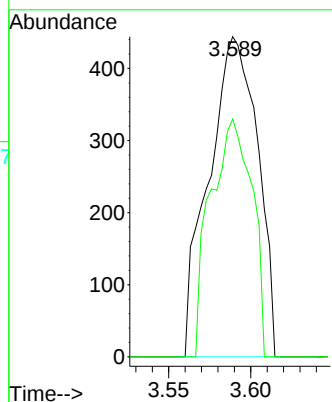
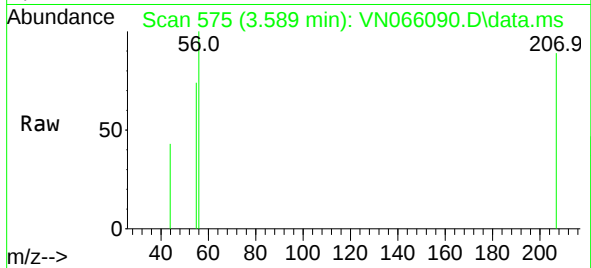




#13
Acrolein
Concen: 4.50 ug/l
RT: 3.589 min Scan# 575
Delta R.T. 0.013 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

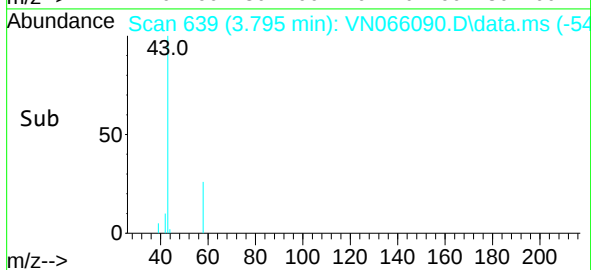
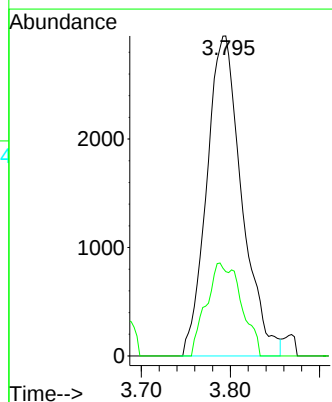
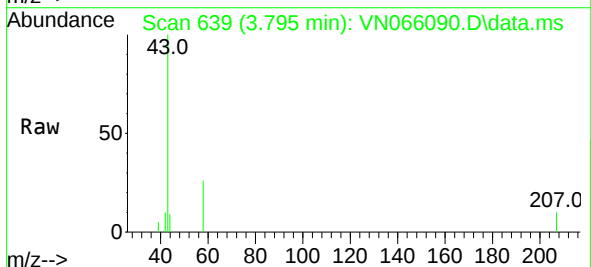
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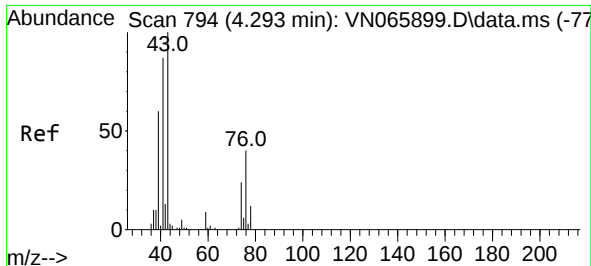
Tgt Ion: 56 Resp: 918
Ion Ratio Lower Upper
56 100
55 63.1 56.0 84.0



#16
Acetone
Concen: 14.50 ug/l
RT: 3.795 min Scan# 639
Delta R.T. 0.007 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

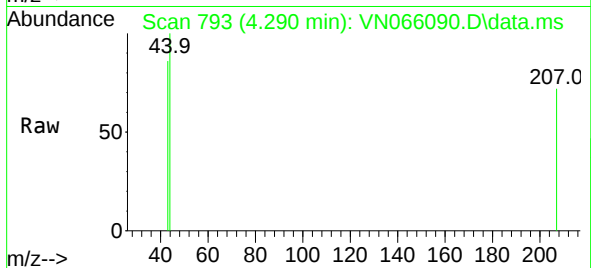
Tgt Ion: 43 Resp: 8063
Ion Ratio Lower Upper
43 100
58 26.4 27.0 40.6#



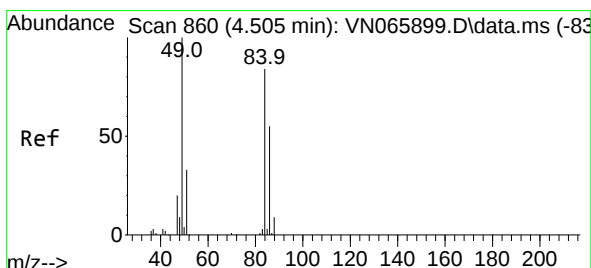
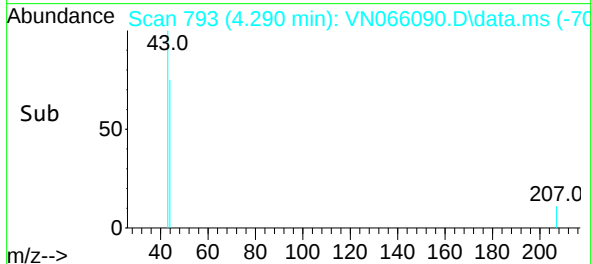
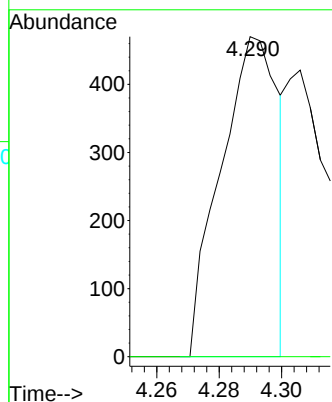


#18
Methyl Acetate
Concen: 0.45 ug/l
RT: 4.290 min Scan# 793
Delta R.T. -0.003 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

Instrument :
MSVOA_N
ClientSampleId :
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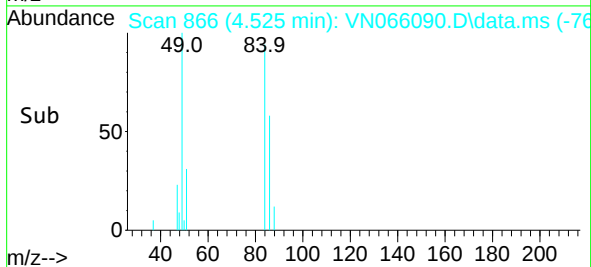
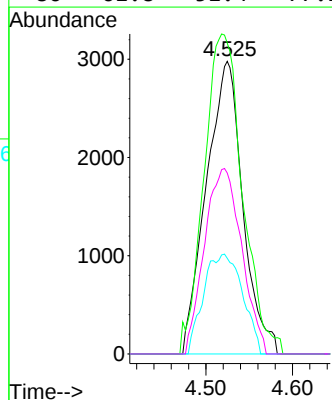
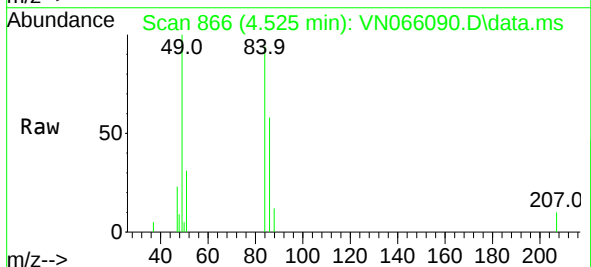


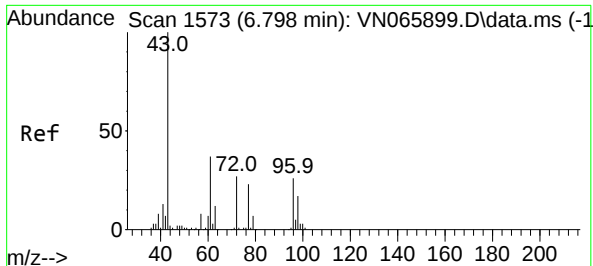
Tgt Ion: 43 Resp: 600
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#20
Methylene Chloride
Concen: 5.86 ug/l
RT: 4.525 min Scan# 866
Delta R.T. 0.020 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

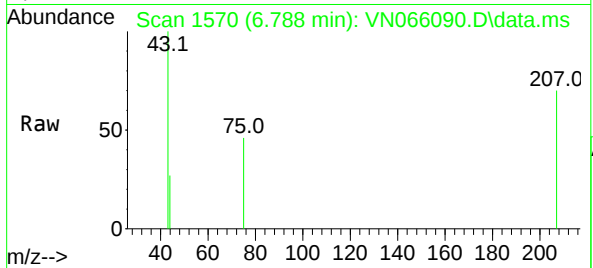
Tgt Ion: 84 Resp: 8708
Ion Ratio Lower Upper
84 100
49 106.2 94.6 141.8
51 32.7 29.9 44.9
86 61.8 51.4 77.2



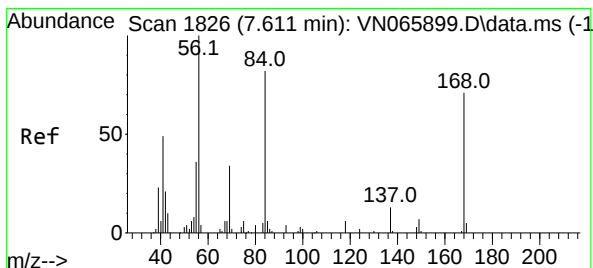
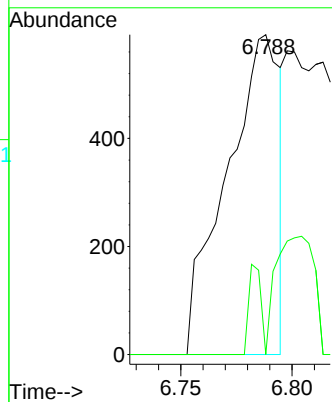
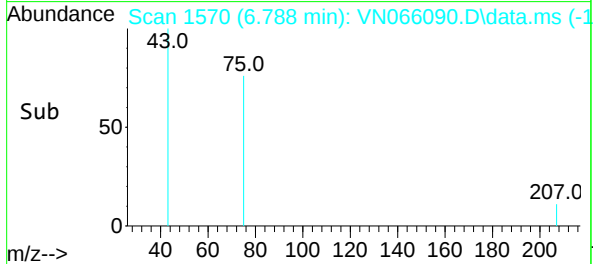


#25
2-Butanone
Concen: 1.23 ug/l
RT: 6.788 min Scan# 1570
Delta R.T. -0.010 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

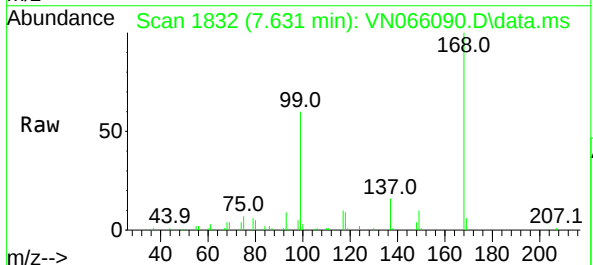
Instrument :
MSVOA_N
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COMP-41087-88



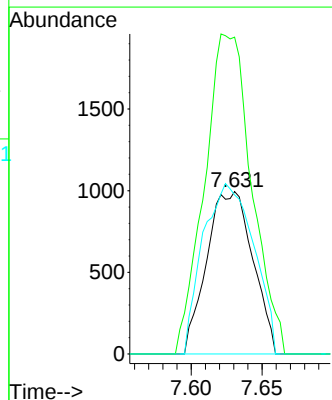
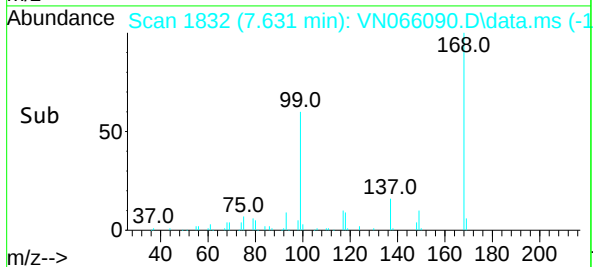
Tgt Ion: 43 Resp: 978
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#

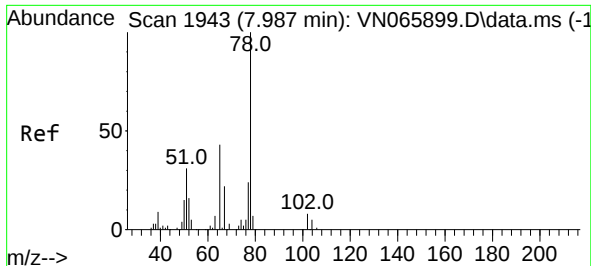


#31
Cyclohexane
Concen: 0.94 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.020 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39



Tgt Ion: 56 Resp: 2247
Ion Ratio Lower Upper
56 100
69 179.8 26.6 39.8#
84 97.9 70.4 105.6

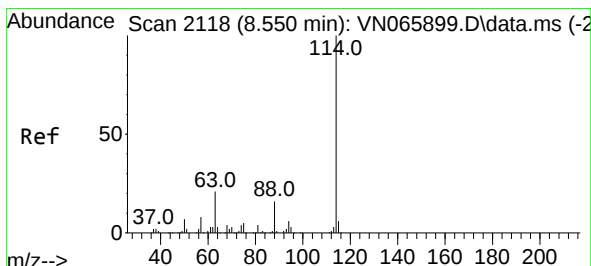
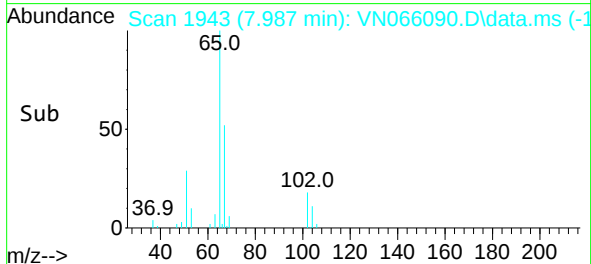
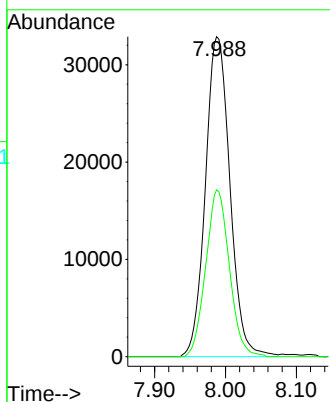
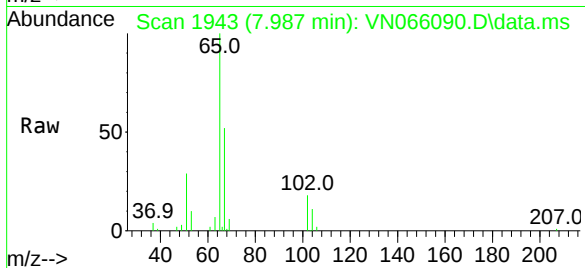




#33
1,2-Dichloroethane-d4
Concen: 49.40 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

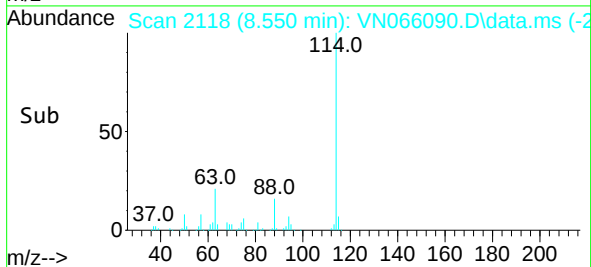
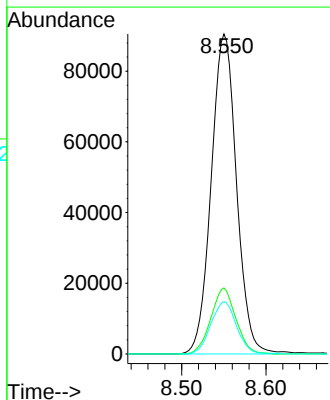
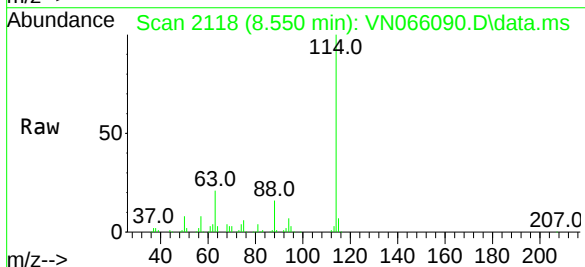
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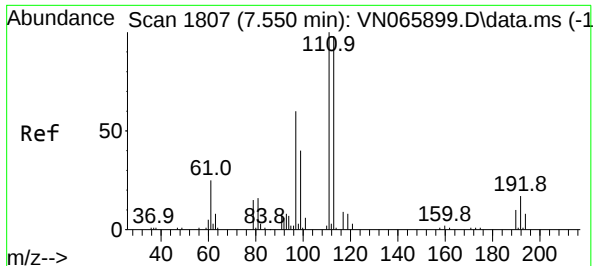
Tgt Ion: 65 Resp: 79176
Ion Ratio Lower Upper
65 100
67 50.2 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

Tgt Ion: 114 Resp: 188499
Ion Ratio Lower Upper
114 100
63 20.7 0.0 38.6
88 16.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.95 ug/l

RT: 7.550 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN066090.D

Acq: 1 Mar 2021 20:39

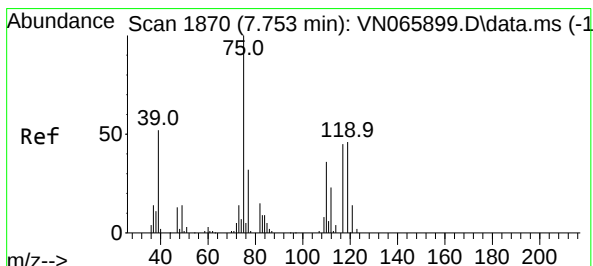
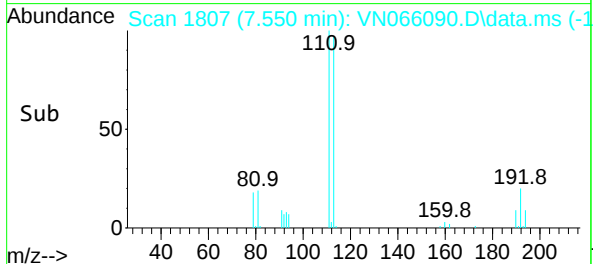
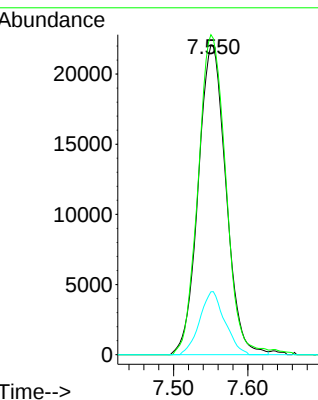
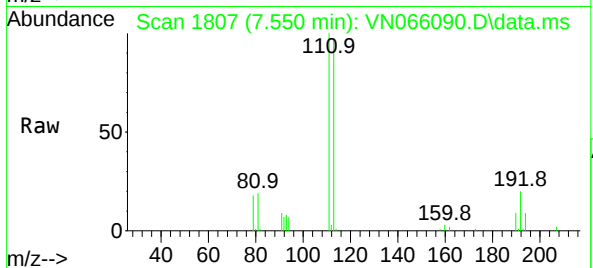
Tgt Ion:113 Resp: 57102

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 18.6 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.46 ug/l

RT: 7.627 min Scan# 1831

Delta R.T. -0.126 min

Lab File: VN066090.D

Acq: 1 Mar 2021 20:39

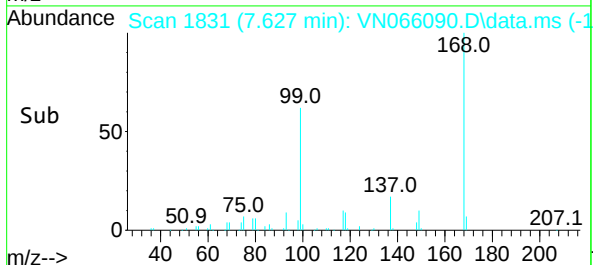
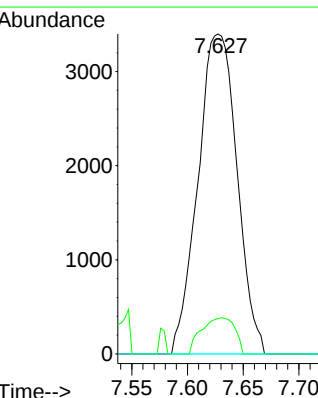
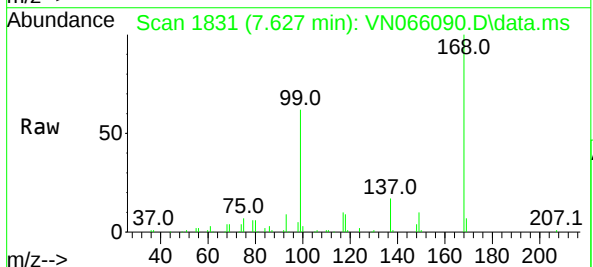
Tgt Ion: 75 Resp: 8291

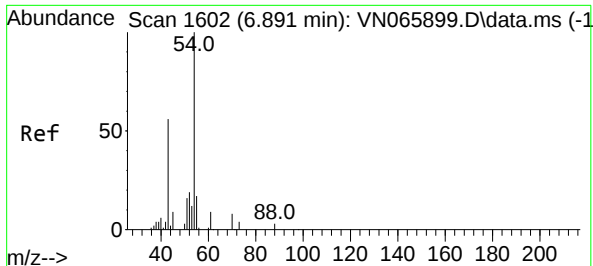
Ion Ratio Lower Upper

75 100

110 9.7 18.2 54.6#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.58 ug/l

RT: 6.788 min Scan# 1570

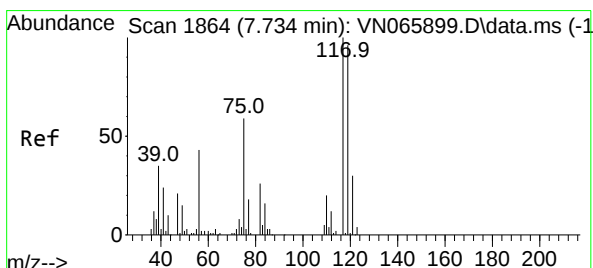
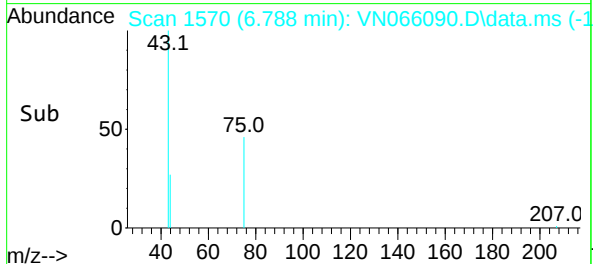
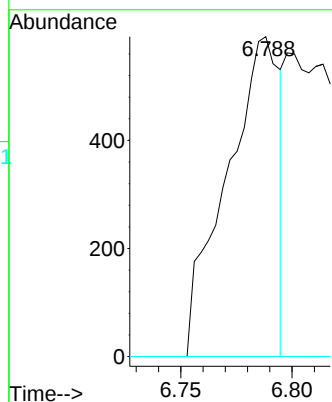
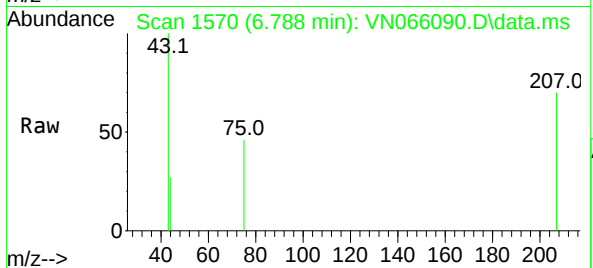
Delta R.T. -0.103 min

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Tgt Ion: 43	Resp: 978
Ion Ratio	Lower Upper
43 100	
61 0.0	11.6 17.4#
70 0.0	8.6 13.0#



#38

Carbon Tetrachloride

Concen: 6.82 ug/l

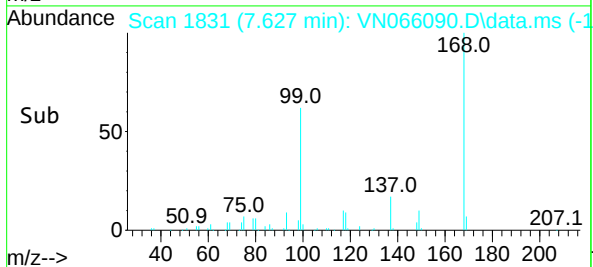
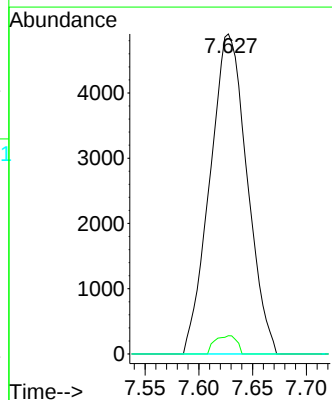
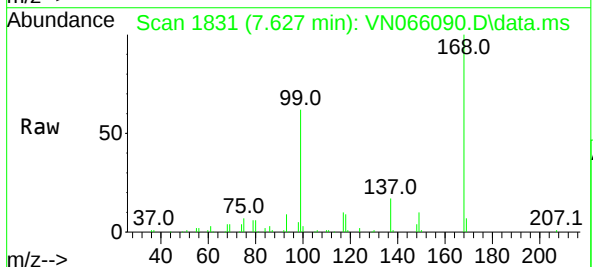
RT: 7.627 min Scan# 1831

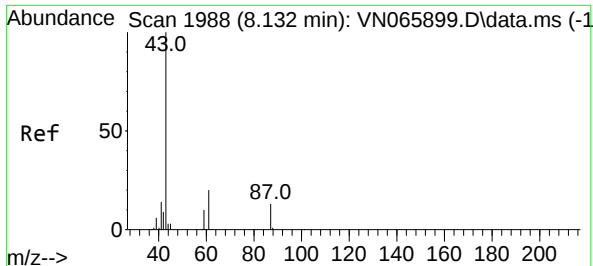
Delta R.T. -0.107 min

Lab File: VN066090.D

Acq: 1 Mar 2021 20:39

Tgt Ion:117	Resp:	11778	
Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.0	114.0#
121	0.0	24.5	36.7#



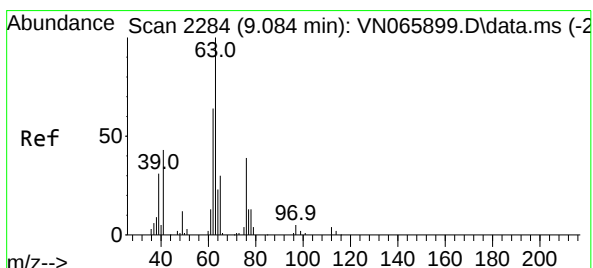
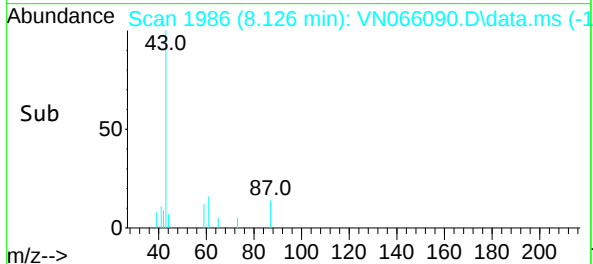
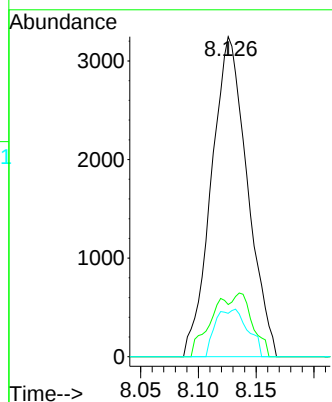
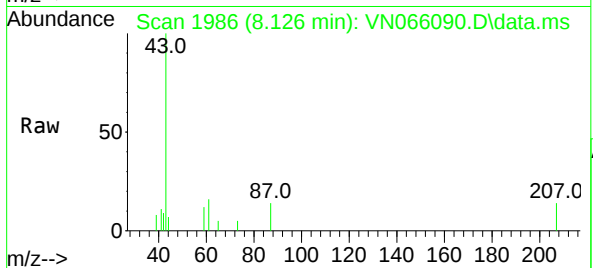


#43

Isopropyl Acetate
 Concen: 2.62 ug/l
 RT: 8.126 min Scan# 1986
 Delta R.T. -0.006 min
 Lab File: VN066090.D
 Acq: 1 Mar 2021 20:39

Instrument :
 MSVOA_N
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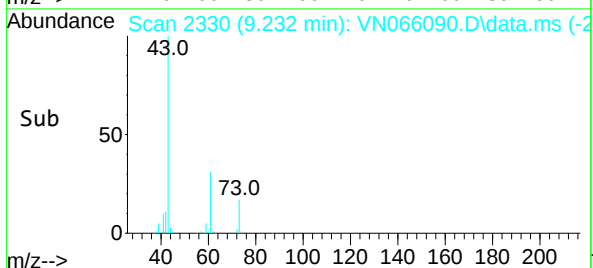
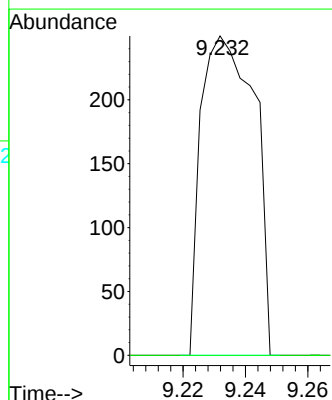
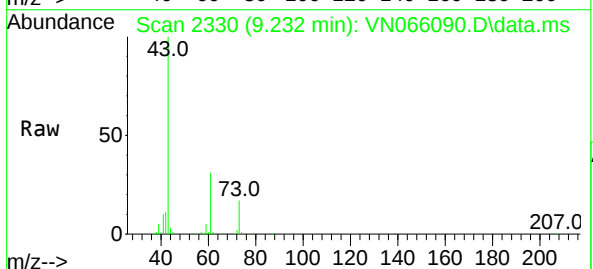
Tgt Ion: 43 Resp: 7006
 Ion Ratio Lower Upper
 43 100
 61 10.6 22.5 33.7#
 87 13.4 11.1 16.7

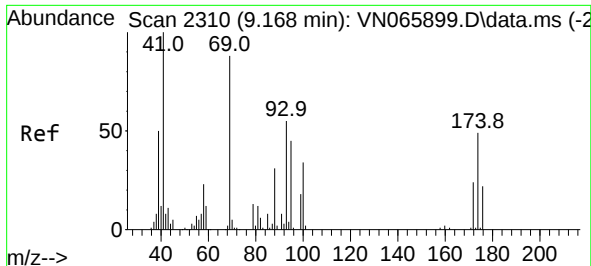


#45

1,2-Dichloropropane
 Concen: 0.20 ug/l
 RT: 9.232 min Scan# 2330
 Delta R.T. 0.148 min
 Lab File: VN066090.D
 Acq: 1 Mar 2021 20:39

Tgt Ion: 63 Resp: 297
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#

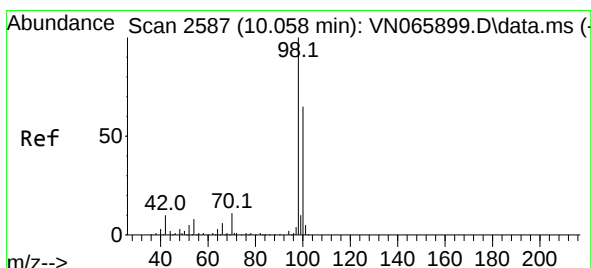
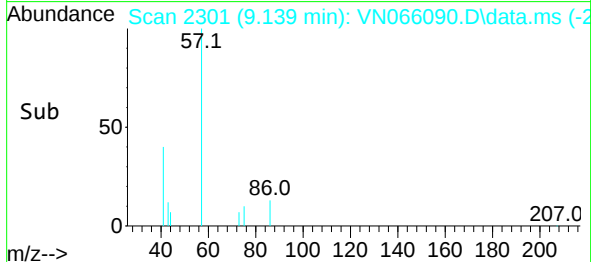
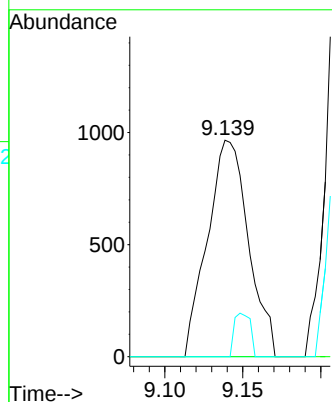
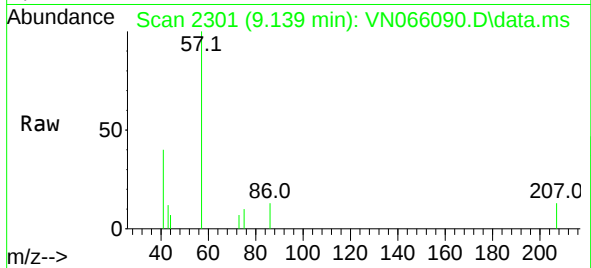




#48
Methyl methacrylate
Concen: 1.30 ug/l
RT: 9.139 min Scan# 2301
Delta R.T. -0.029 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

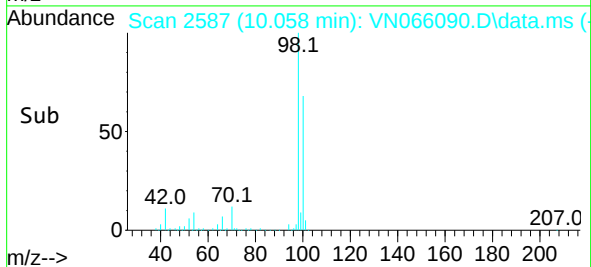
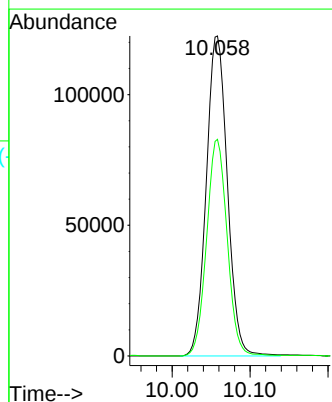
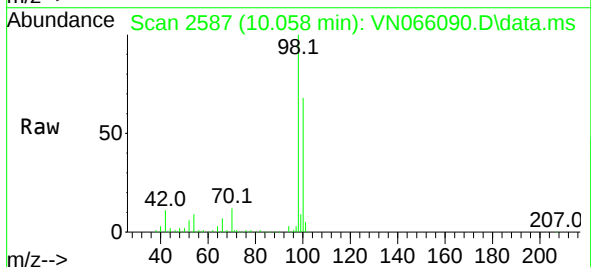
Instrument :
MSVOA_N
ClientSampleId :
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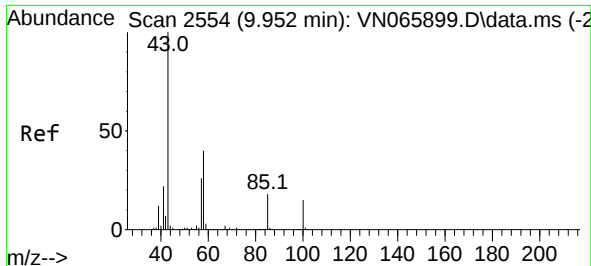
Tgt Ion: 41 Resp: 1766
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 48.11 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

Tgt Ion: 98 Resp: 230390
Ion Ratio Lower Upper
98 100
100 66.0 50.5 75.7

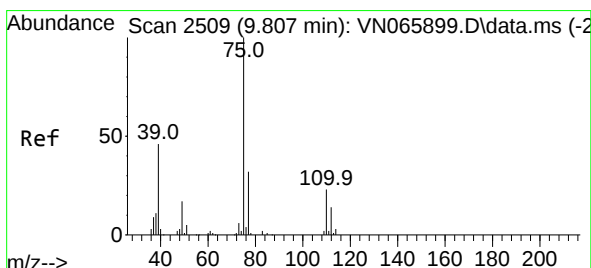
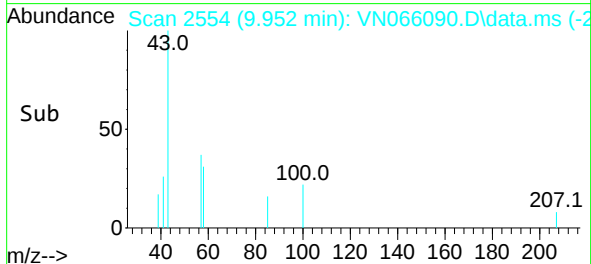
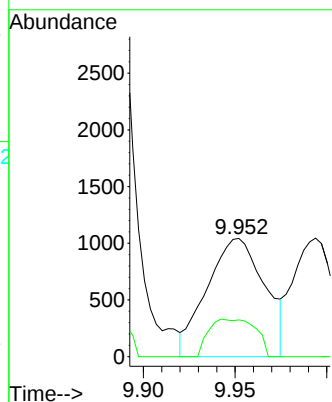
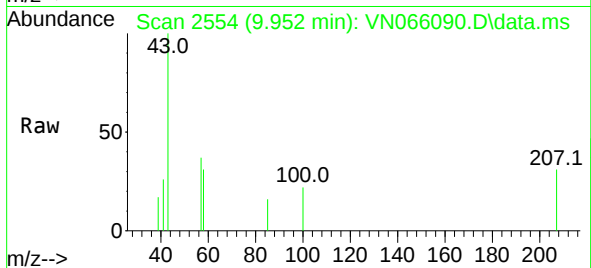




#51
4-Methyl-2-Pentanone
Concen: 1.40 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. 0.000 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

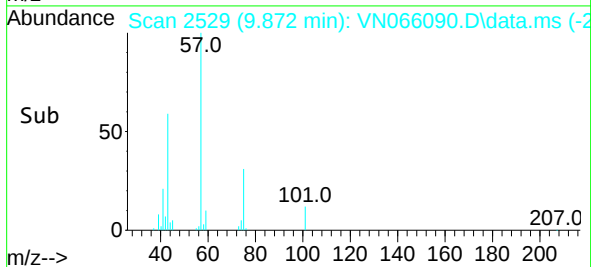
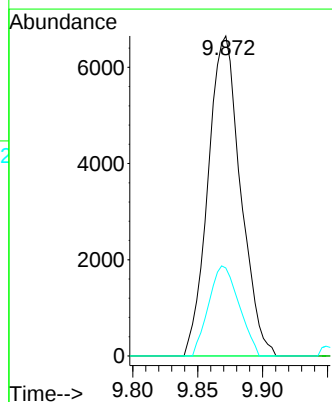
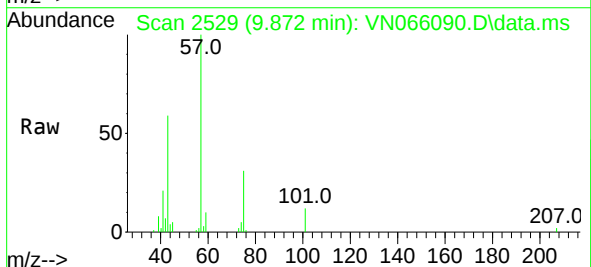
Instrument :
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ClientSampleId :
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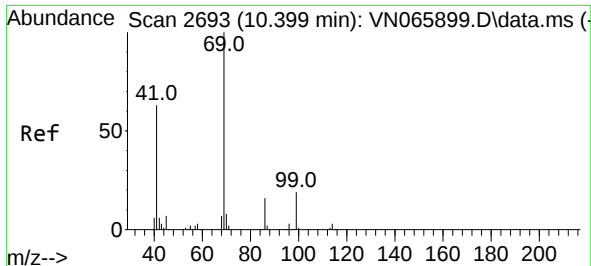
Tgt Ion: 43 Resp: 2277
Ion Ratio Lower Upper
43 100
58 25.7 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 5.15 ug/l
RT: 9.872 min Scan# 2529
Delta R.T. 0.065 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

Tgt Ion: 75 Resp: 11564
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 27.5 36.2 54.4#

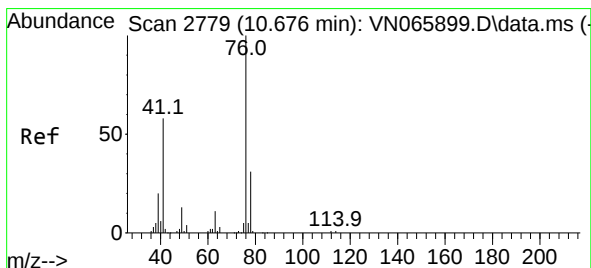
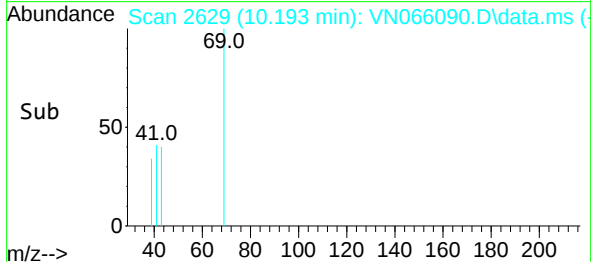
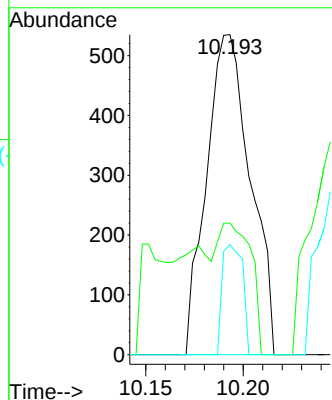
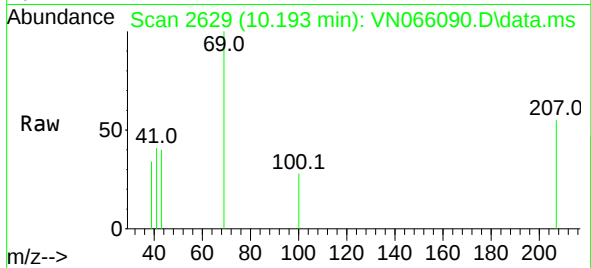




#56
Ethyl methacrylate
Concen: 0.43 ug/l
RT: 10.193 min Scan# 2629
Delta R.T. -0.206 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

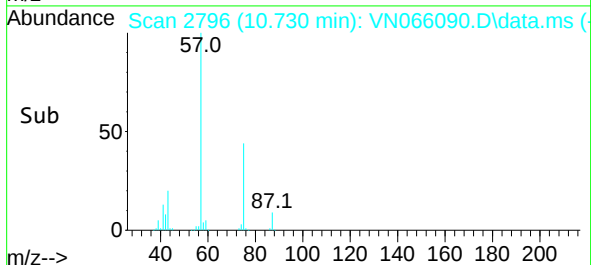
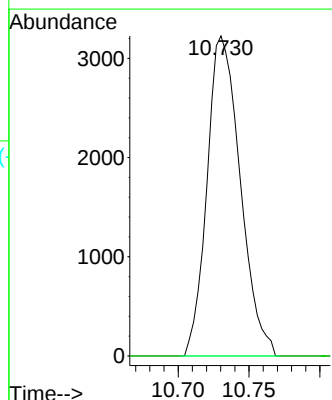
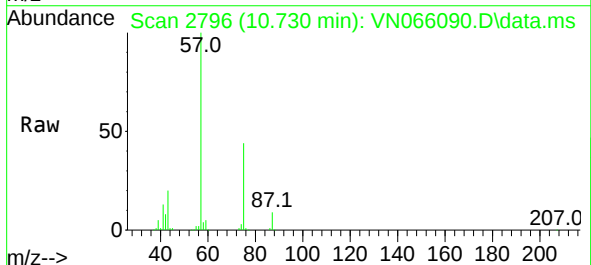
Instrument :
MSVOA_N
ClientSampleId :
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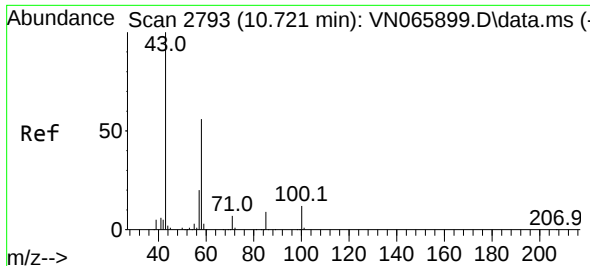
Tgt Ion: 69 Resp: 840
Ion Ratio Lower Upper
69 100
41 31.5 49.6 74.4#
39 15.8 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 2.28 ug/l
RT: 10.730 min Scan# 2796
Delta R.T. 0.054 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

Tgt Ion: 76 Resp: 5258
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

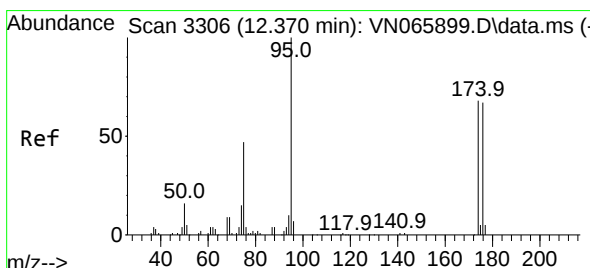
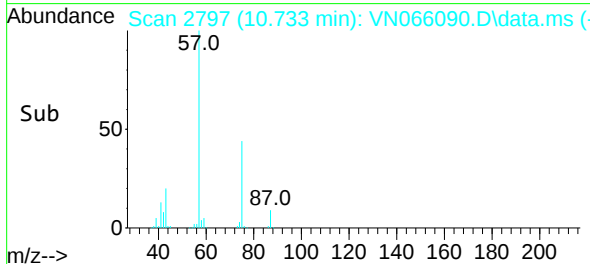
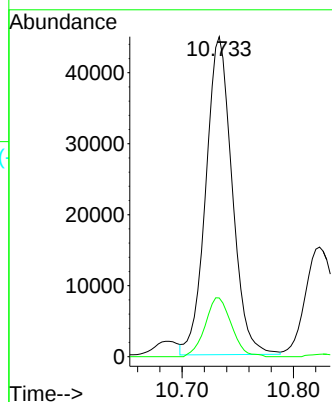
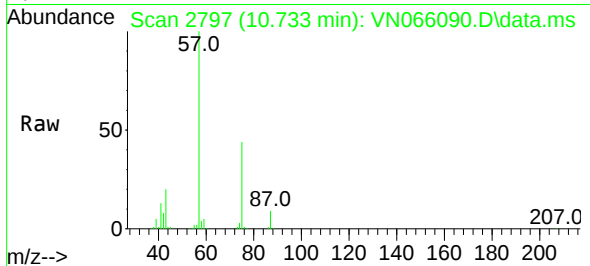




#59
2-Hexanone
Concen: 63.32 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.012 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

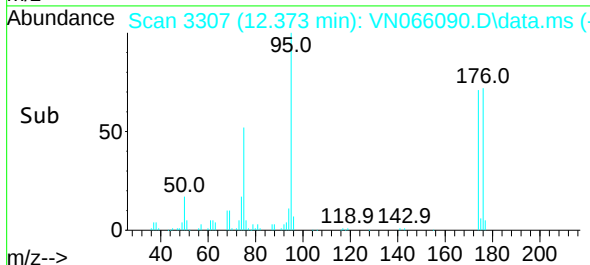
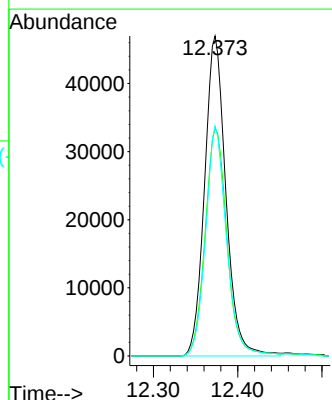
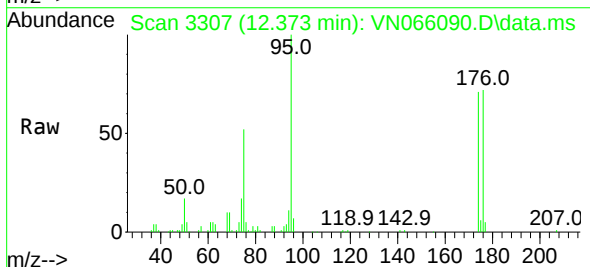
Instrument :
MSVOA_N
ClientSampleId :
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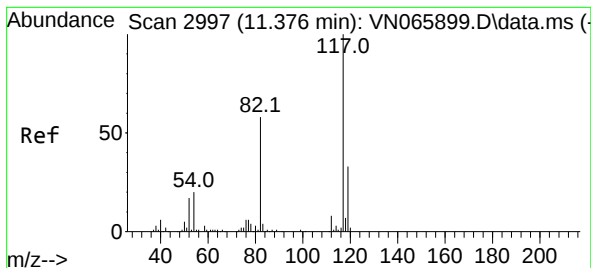
Tgt Ion: 43 Resp: 73410
Ion Ratio Lower Upper
43 100
58 18.5 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 45.93 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

Tgt Ion: 95 Resp: 82575
Ion Ratio Lower Upper
95 100
174 73.0 0.0 169.0
176 70.7 0.0 162.4

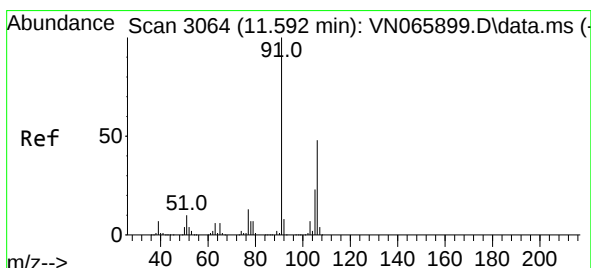
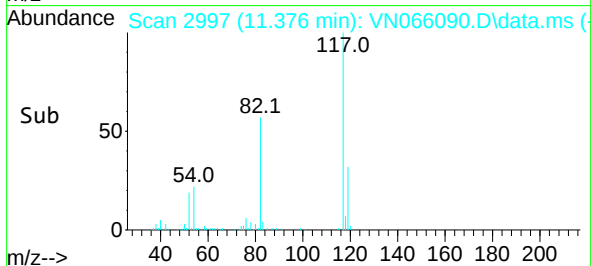
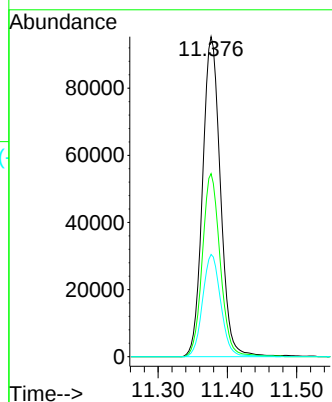
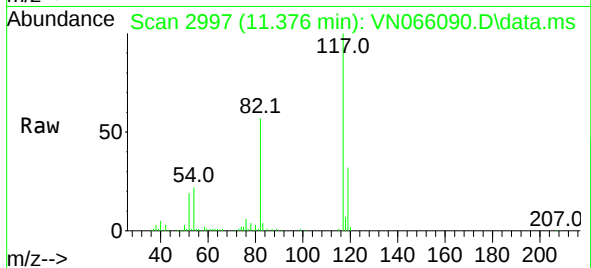




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

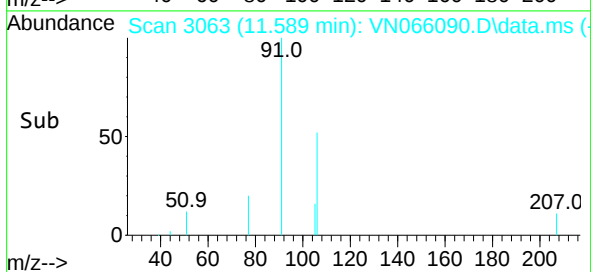
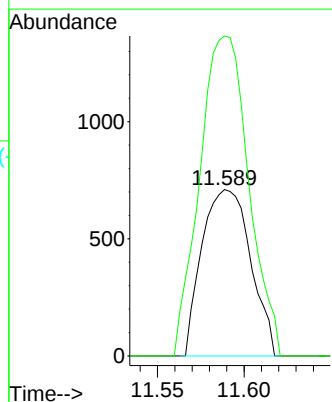
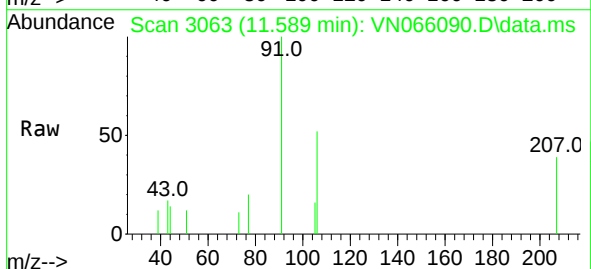
Instrument :
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ClientSampleId :
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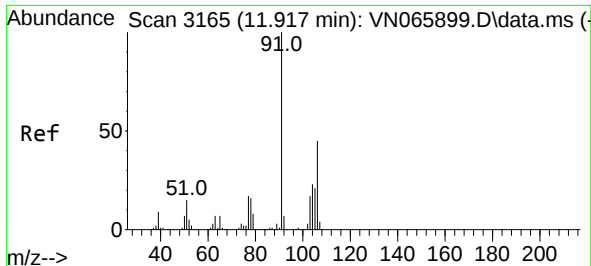
Tgt Ion:117 Resp: 170534
Ion Ratio Lower Upper
117 100
82 57.2 43.7 65.5
119 32.0 26.1 39.1



#68
m/p-Xylenes
Concen: 0.58 ug/l
RT: 11.589 min Scan# 3063
Delta R.T. -0.003 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

Tgt Ion:106 Resp: 1386
Ion Ratio Lower Upper
106 100
91 193.7 161.4 242.0

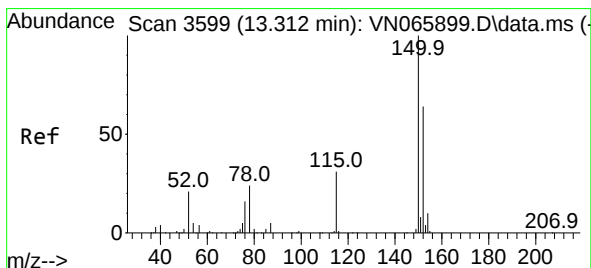
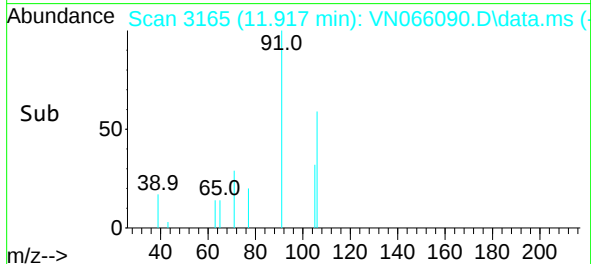
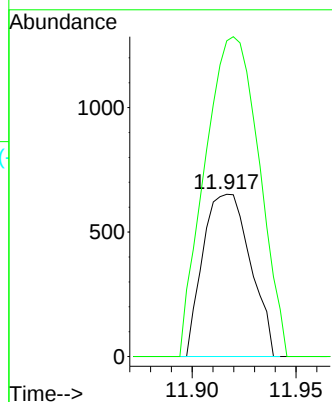
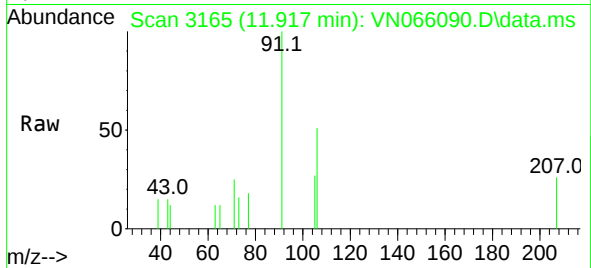




#69
o-Xylene
Concen: 0.45 ug/l
RT: 11.917 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

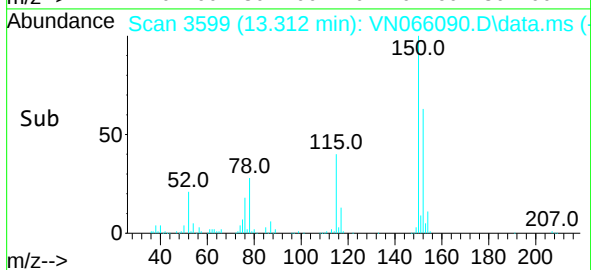
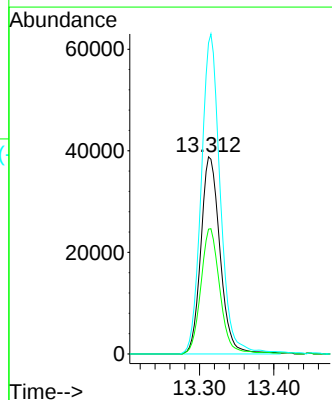
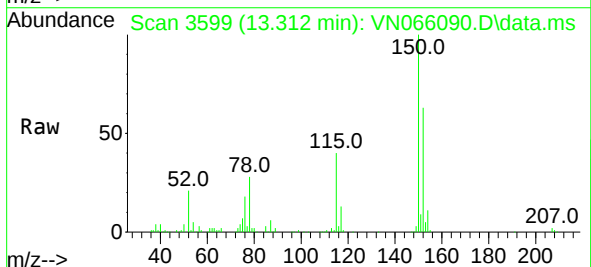
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MSVOA_N
ClientSampleId :
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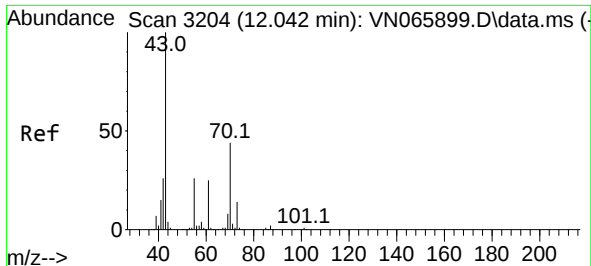
Tgt Ion:106 Resp: 1035
Ion Ratio Lower Upper
106 100
91 224.7 106.8 320.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.312 min Scan# 3599
Delta R.T. 0.000 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

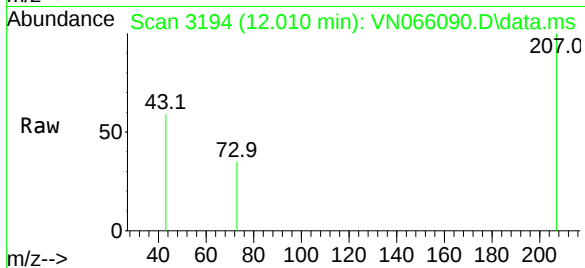
Tgt Ion:152 Resp: 69706
Ion Ratio Lower Upper
152 100
115 62.7 28.5 85.6
150 161.0 0.0 347.6



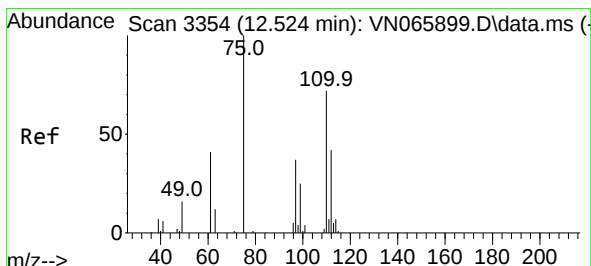
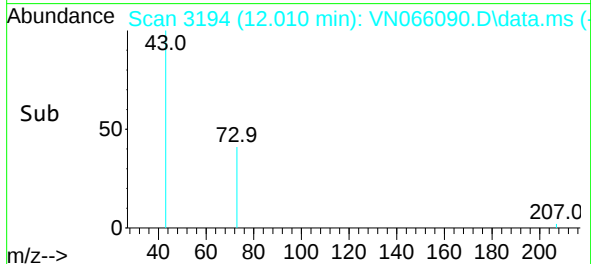
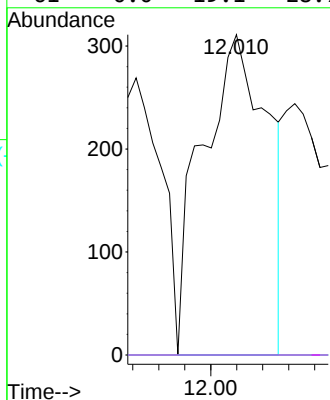


#74
N-amy1 acetate
Concen: 0.28 ug/l
RT: 12.010 min Scan# 3194
Delta R.T. -0.032 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

Instrument :
MSVOA_N
ClientSampleId :
COMP-41087-88

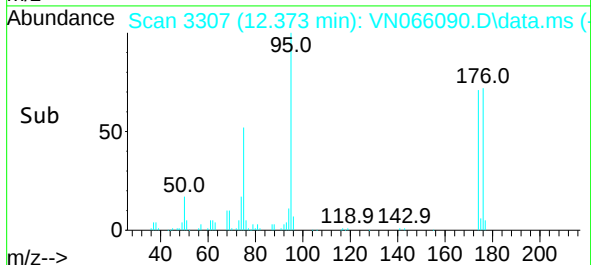
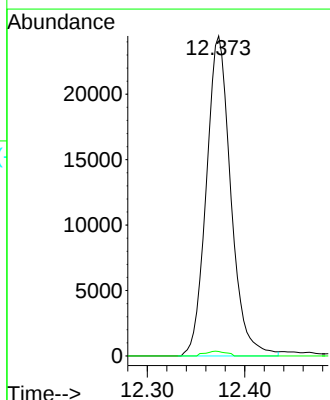
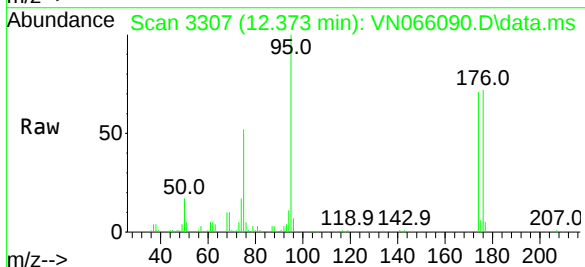


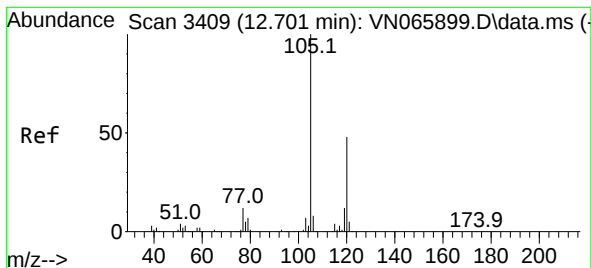
Tgt Ion: 43 Resp: 545
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 20.7 31.1#
61 0.0 19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 25.47 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

Tgt Ion: 75 Resp: 42654
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

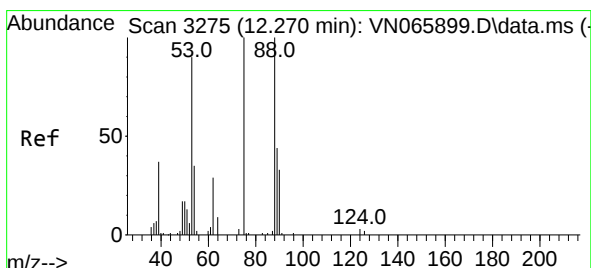
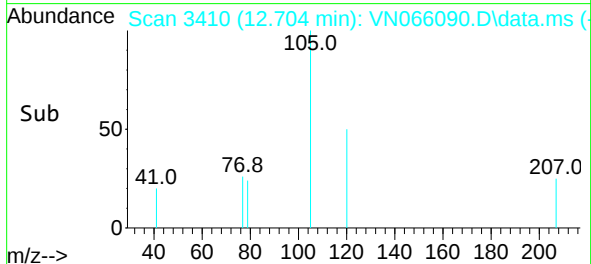
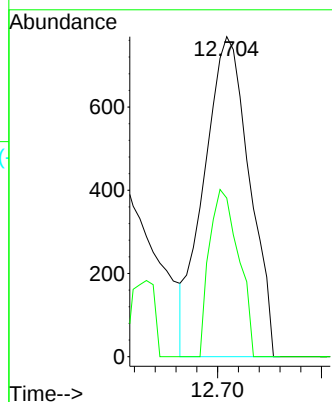
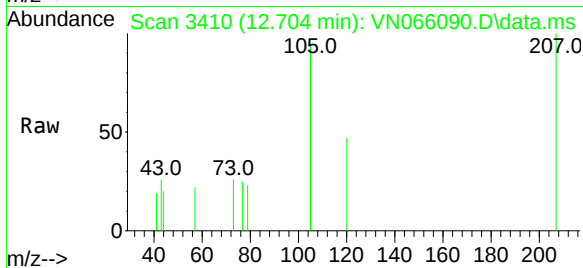




#80
1,3,5-Trimethylbenzene
Concen: 0.24 ug/l
RT: 12.704 min Scan# 3410
Delta R.T. 0.003 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

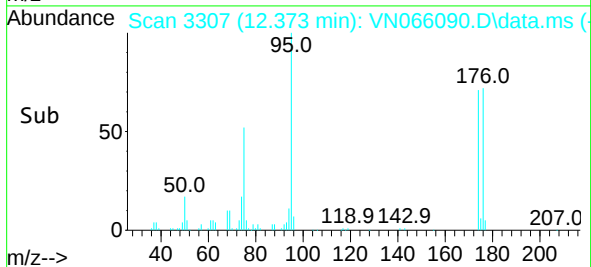
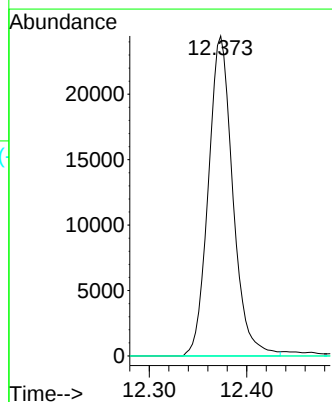
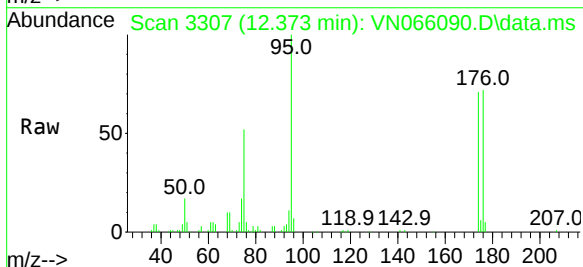
Instrument :
MSVOA_N
ClientSampleId :
COMP-41087-88

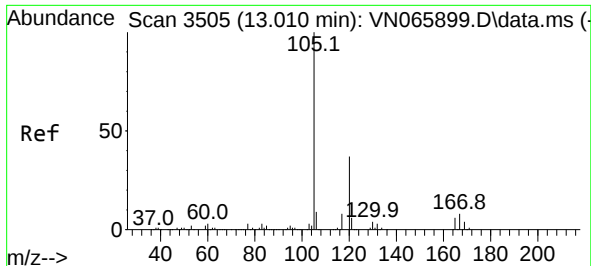
Tgt Ion:105 Resp: 1167
Ion Ratio Lower Upper
105 100
120 33.7 24.3 72.8



#81
trans-1,4-Dichloro-2-butene
Concen: 81.18 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

Tgt Ion: 75 Resp: 42654
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

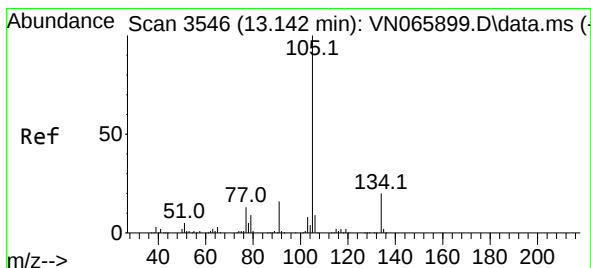
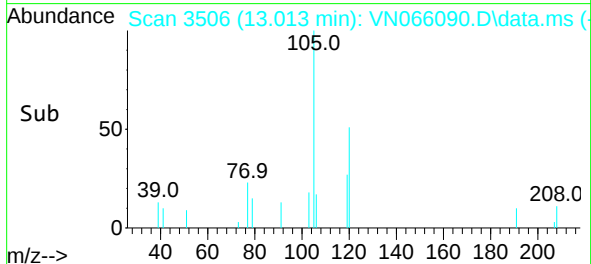
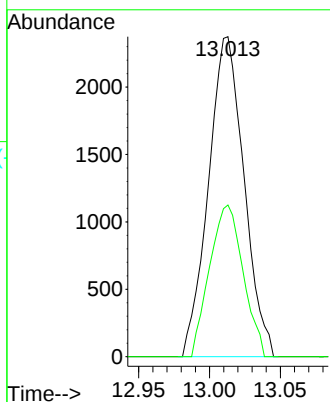
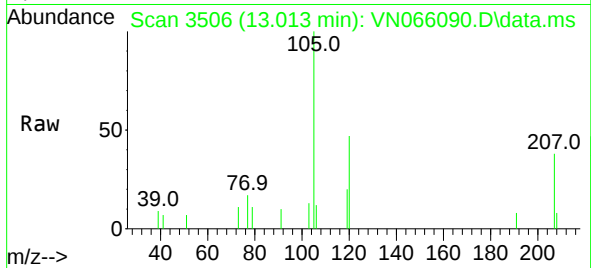




#84
1,2,4-Trimethylbenzene
Concen: 0.85 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. 0.003 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

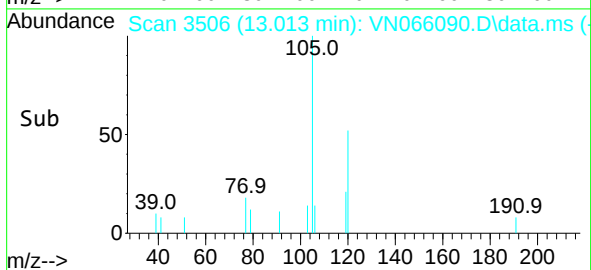
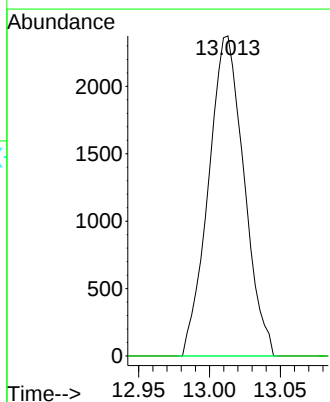
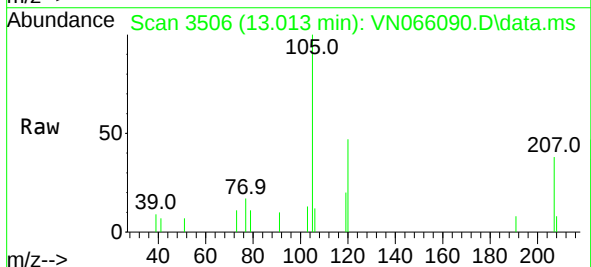
Instrument :
MSVOA_N
ClientSampleId :
COMP-41087-88

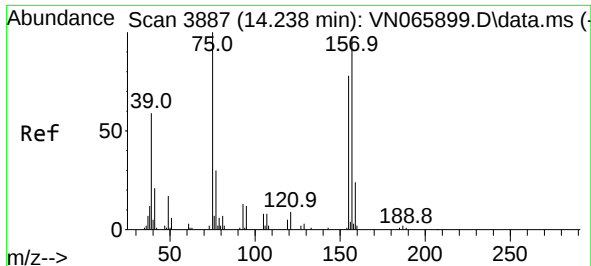
Tgt Ion:105 Resp: 4143
Ion Ratio Lower Upper
105 100
120 44.6 22.4 67.0



#85
sec-Butylbenzene
Concen: 0.80 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. -0.129 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

Tgt Ion:105 Resp: 4143
Ion Ratio Lower Upper
105 100
134 0.0 10.0 30.0#

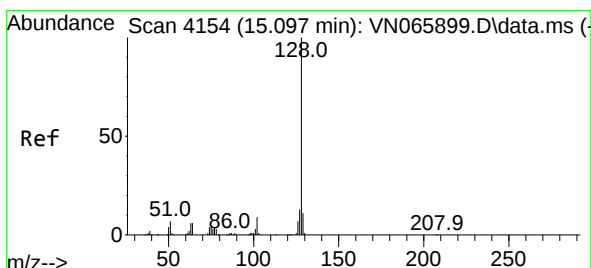
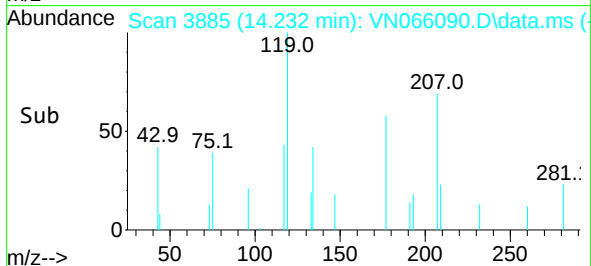
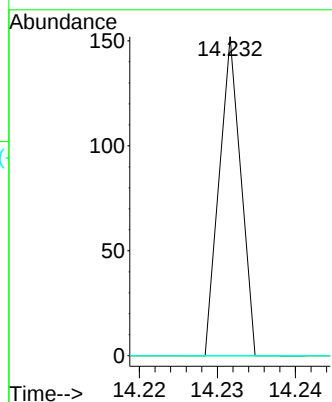
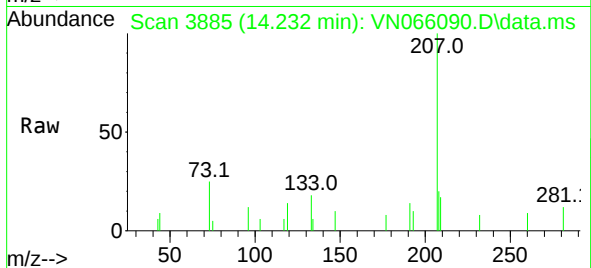




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.93 ug/l
RT: 14.232 min Scan# 3885
Delta R.T. -0.006 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

Instrument :
MSVOA_N
ClientSampleId :
COMP-41087-88

Tgt Ion: 75	Resp:	29
Ion Ratio	Lower	Upper
75	100	
155	0.0	44.1 132.4#
157	0.0	56.0 168.2#



#95
Naphthalene
Concen: 3.56 ug/l
RT: 15.097 min Scan# 4154
Delta R.T. -0.000 min
Lab File: VN066090.D
Acq: 1 Mar 2021 20:39

Tgt Ion: 128	Resp:	2184
Ion Ratio	Lower	Upper
128	100	
127	9.7	10.2 15.2#
129	4.4	8.6 13.0#

