

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
 Data File : VN066265.D
 Acq On : 18 Mar 2021 18:51
 Operator : JC/MD
 Sample : PB135215TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 04:29:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 05:05:15 2021
 Response via : Initial Calibration

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

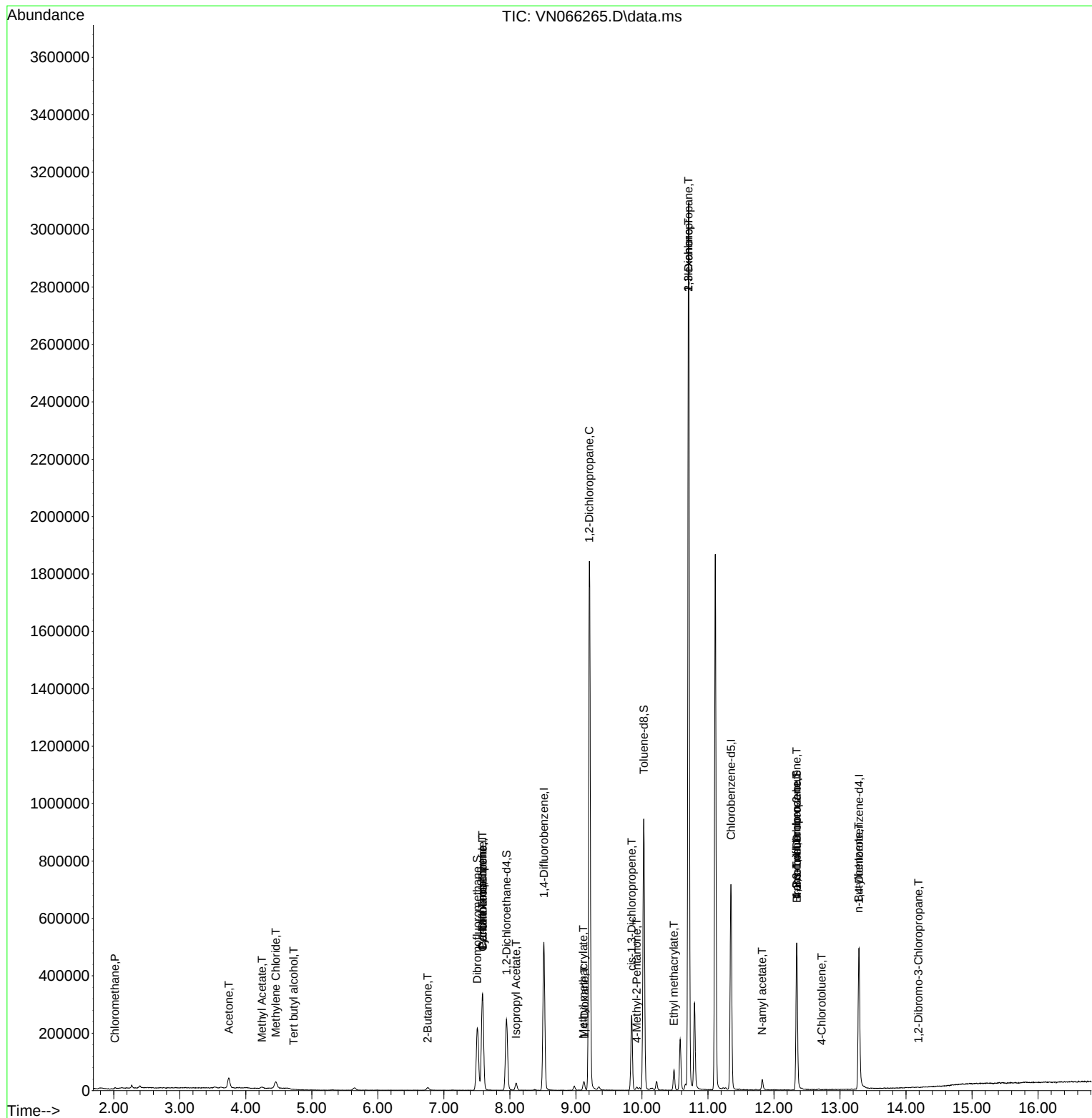
Internal Standards						
1) Pentafluorobenzene	7.587	168	302336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	457100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	435698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	155594	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	209825	48.17	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.34%		
35) Dibromofluoromethane	7.507	113	169776	58.22	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	116.44%		
50) Toluene-d8	10.028	98	644352	57.15	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	114.30%#		
62) 4-Bromofluorobenzene	12.345	95	178199	43.85	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.70%		
Target Compounds						Qvalue
3) Chloromethane	2.019	50	2483	0.21	ug/l	94
11) Tert butyl alcohol	4.726	59	405	0.54	ug/l #	73
13) Acrolein	3.535	56	2001	Below Cal	#	47
16) Acetone	3.741	43	55667	26.60	ug/l	98
18) Methyl Acetate	4.245	43	7993	1.37	ug/l #	88
20) Methylene Chloride	4.455	84	14779	4.51	ug/l	85
25) 2-Butanone	6.756	43	8519	2.62	ug/l	96
31) Cyclohexane	7.590	56	5029	0.77	ug/l #	1
36) 1,1-Dichloropropene	7.585	75	18369	3.97	ug/l #	50
38) Carbon Tetrachloride	7.585	117	24863	5.99	ug/l #	18
43) Isopropyl Acetate	8.094	43	29161	2.85	ug/l #	89
45) 1,2-Dichloropropane	9.202	63	2578	0.64	ug/l #	44
48) Methyl methacrylate	9.113	41	8250	1.70	ug/l #	21
49) 1,4-Dioxane	9.129	88	154	2.93	ug/l #	1
51) 4-Methyl-2-Pentanone	9.921	43	8558	1.38	ug/l	100
54) cis-1,3-Dichloropropene	9.845	75	44007	7.33	ug/l #	55
56) Ethyl methacrylate	10.484	69	868	2.30	ug/l #	1
57) 1,3-Dichloropropane	10.706	76	30561	5.13	ug/l #	43
59) 2-Hexanone	10.706	43	441048	92.09	ug/l #	57
71) Bromoform	12.348	173	649	0.25	ug/l #	1
74) N-amyl acetate	11.822	43	12630	4.16	ug/l #	61
76) 1,2,3-Trichloropropane	12.345	75	83571	20.80	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	83571	62.24	ug/l #	11
82) 4-Chlorotoluene	12.723	91	52	0.47	ug/l #	43
89) n-Butylbenzene	13.284	91	220	2.26	ug/l #	21
92) 1,2-Dibromo-3-Chloropr...	14.190	75	99	0.95	ug/l #	8

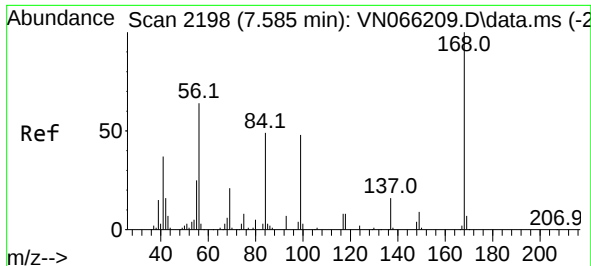
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
Data File : VN066265.D
Acq On : 18 Mar 2021 18:51
Operator : JC/MD
Sample : PB135215TB
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Mar 19 04:29:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 17 05:05:15 2021
Response via : Initial Calibration

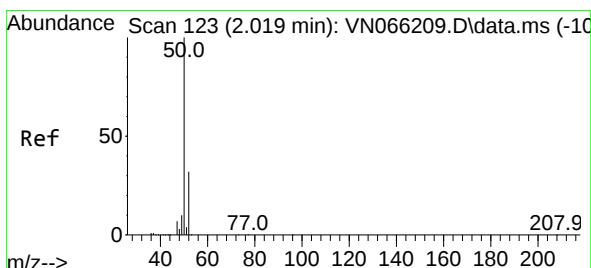
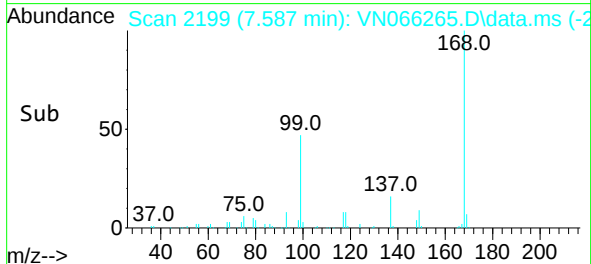
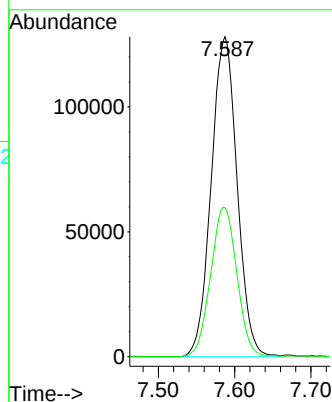
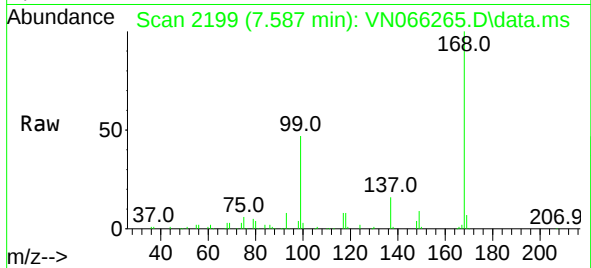




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.002 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

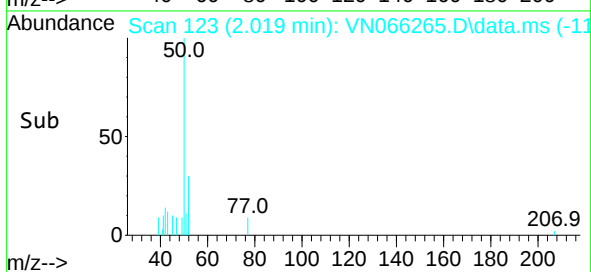
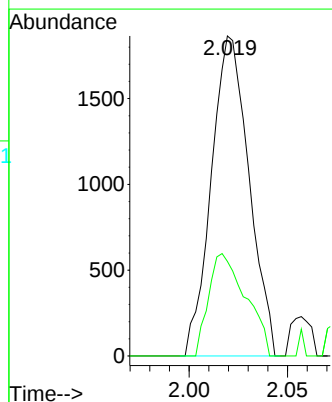
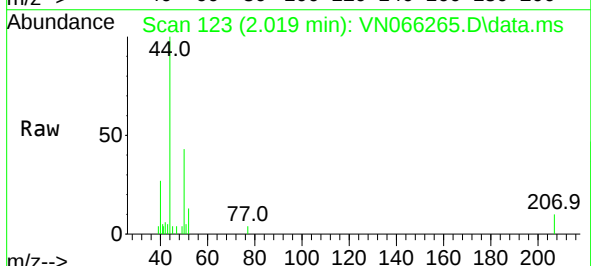
Instrument :
MSVOA_N
ClientSampled :

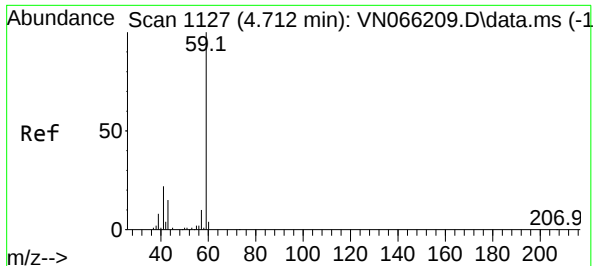
Tgt Ion:168 Resp: 302336
Ion Ratio Lower Upper
168 100
99 46.6 45.4 68.0



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.019 min Scan# 123
Delta R.T. 0.000 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

Tgt Ion: 50 Resp: 2483
Ion Ratio Lower Upper
50 100
52 29.5 26.2 39.4

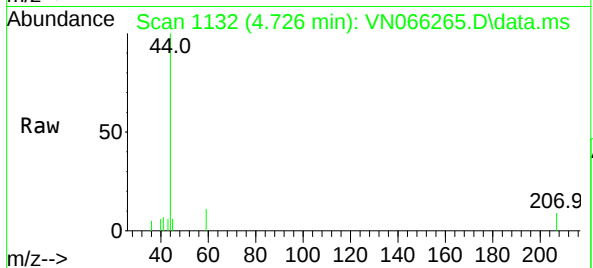




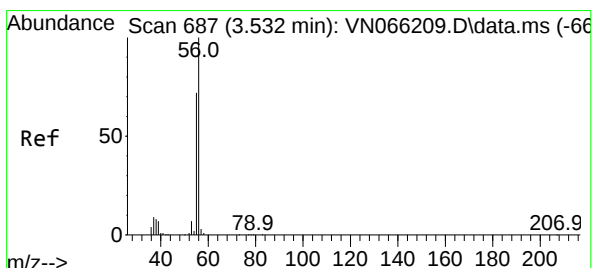
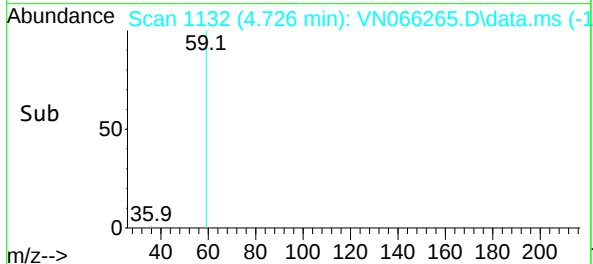
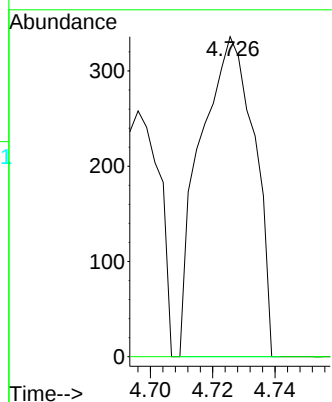
#11

Tert butyl alcohol
Concen: 0.54 ug/l
RT: 4.726 min Scan# 1132
Delta R.T. 0.014 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

Instrument :
MSVOA_N
ClientSampled :



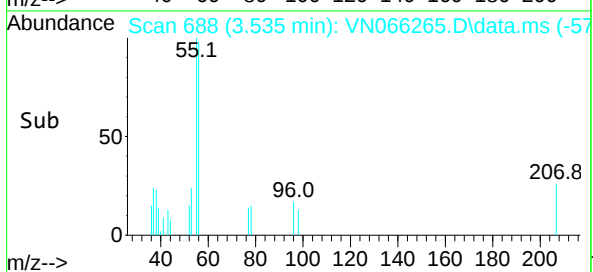
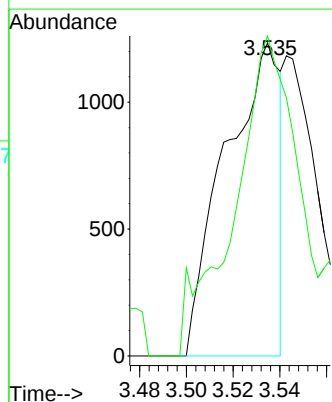
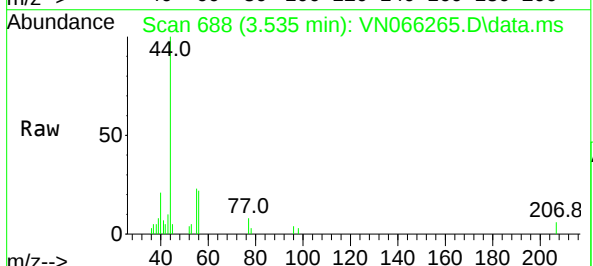
Tgt Ion: 59 Resp: 405
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

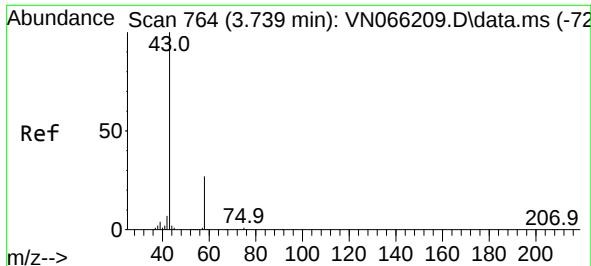


#13

Acrolein
Concen: Below Cal
RT: 3.535 min Scan# 688
Delta R.T. 0.003 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

Tgt Ion: 56 Resp: 2001
Ion Ratio Lower Upper
56 100
55 116.6 58.0 87.0#

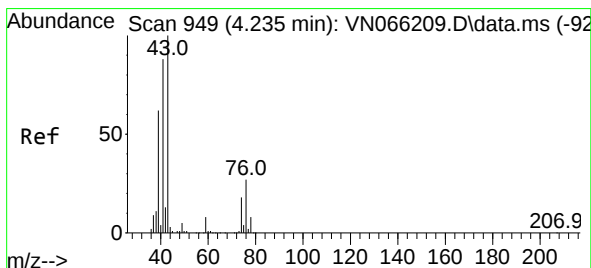
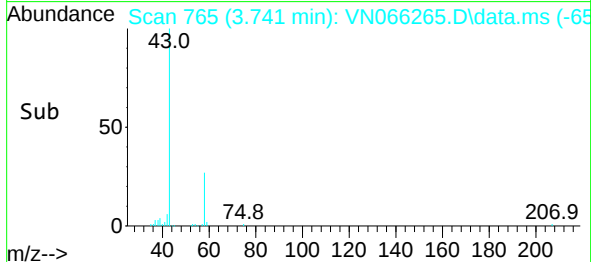
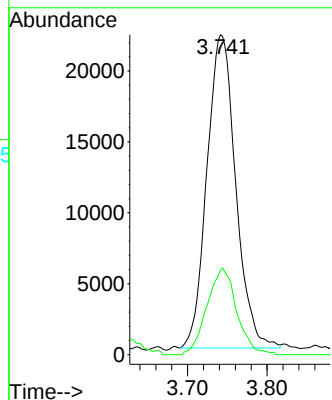
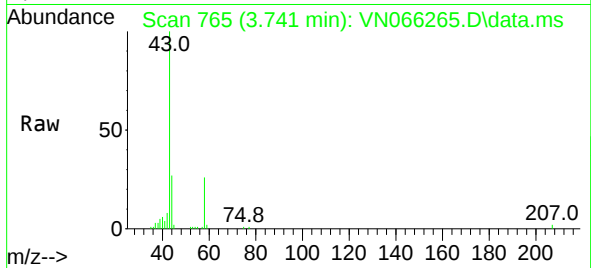




#16
Acetone
Concen: 26.60 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

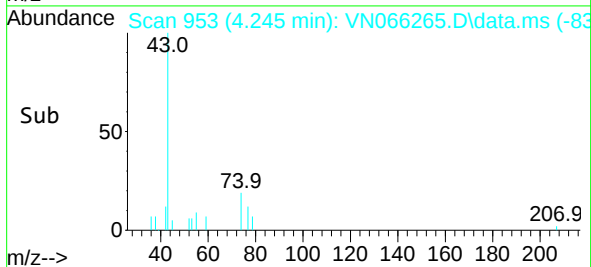
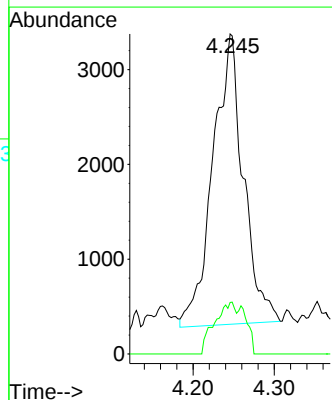
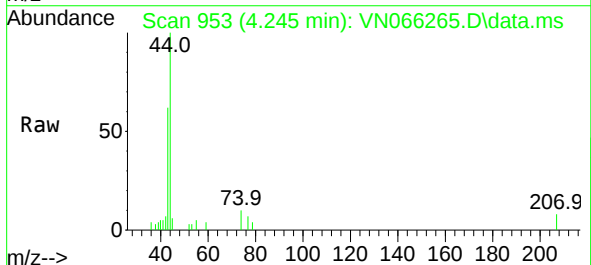
Instrument :
MSVOA_N
ClientSampled :

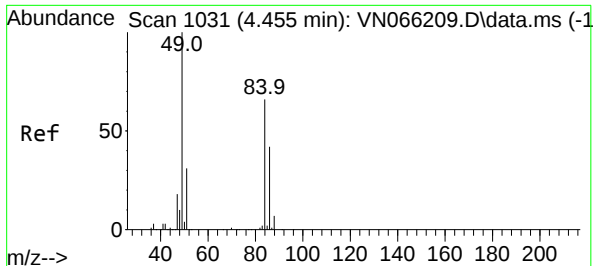
Tgt Ion: 43 Resp: 55667
Ion Ratio Lower Upper
43 100
58 27.0 22.3 33.5



#18
Methyl Acetate
Concen: 1.37 ug/l
RT: 4.245 min Scan# 953
Delta R.T. 0.010 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

Tgt Ion: 43 Resp: 7993
Ion Ratio Lower Upper
43 100
74 12.4 14.2 21.2#





#20

Methylene Chloride

Concen: 4.51 ug/l

RT: 4.455 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN066265.D

Acq: 18 Mar 2021 18:51

Tgt Ion: 84 Resp: 14779

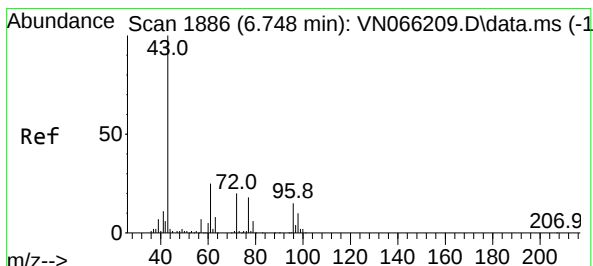
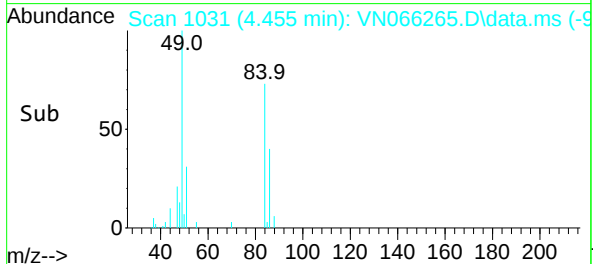
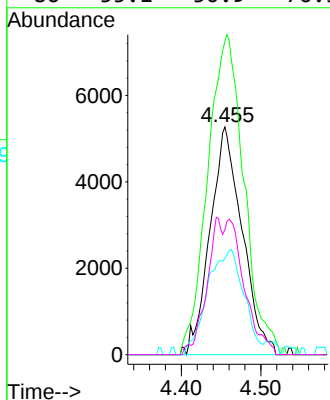
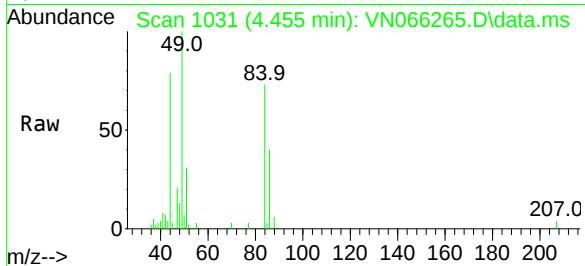
Ion Ratio Lower Upper

84 100

49 137.7 130.0 195.0

51 42.3 39.1 58.7

86 55.1 50.9 76.3



#25

2-Butanone

Concen: 2.62 ug/l

RT: 6.756 min Scan# 1889

Delta R.T. 0.008 min

Lab File: VN066265.D

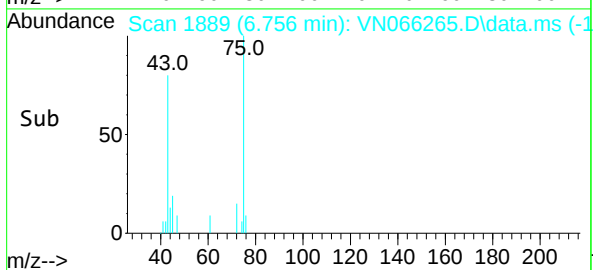
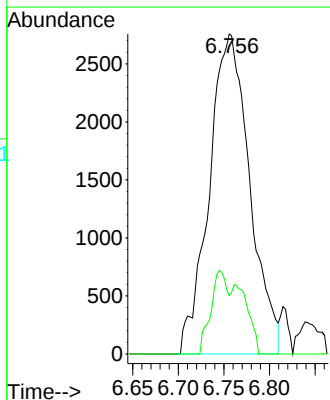
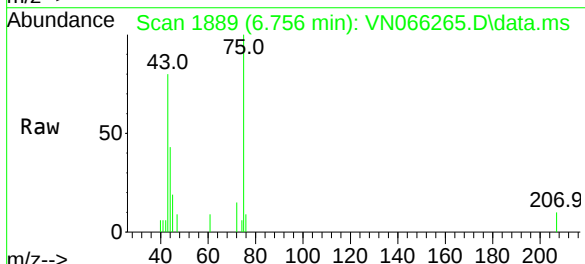
Acq: 18 Mar 2021 18:51

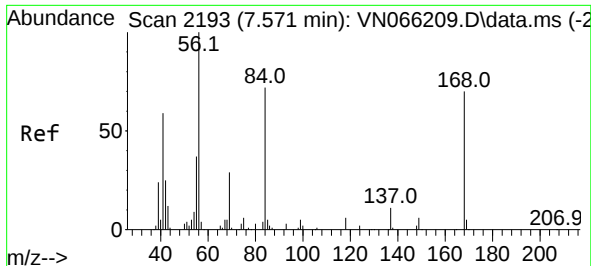
Tgt Ion: 43 Resp: 8519

Ion Ratio Lower Upper

43 100

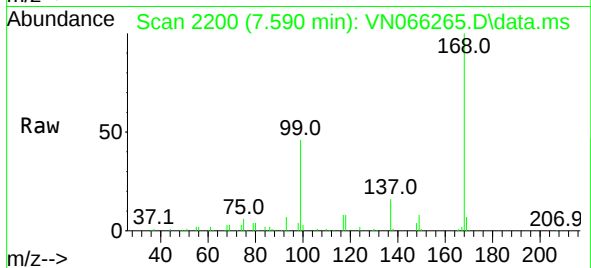
72 18.2 16.2 24.2



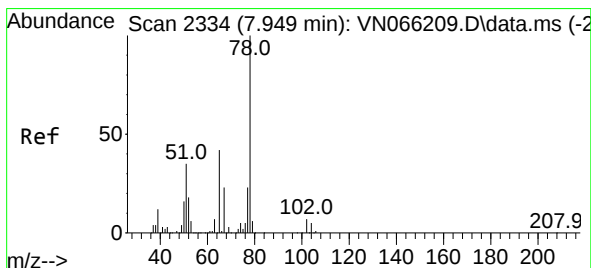
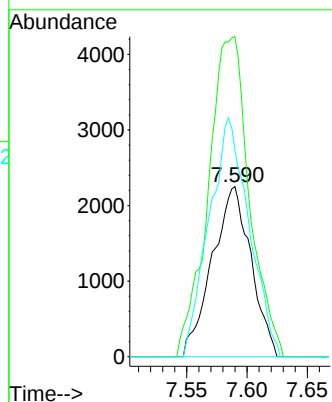
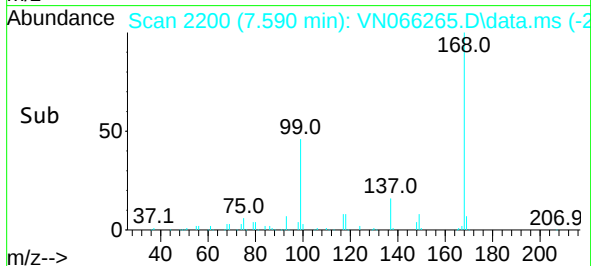


#31
Cyclohexane
Concen: 0.77 ug/l
RT: 7.590 min Scan# 2200
Delta R.T. 0.019 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

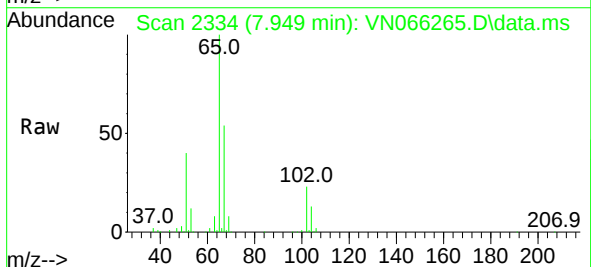
Instrument :
MSVOA_N
ClientSampled :



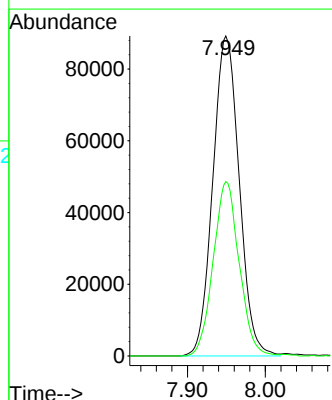
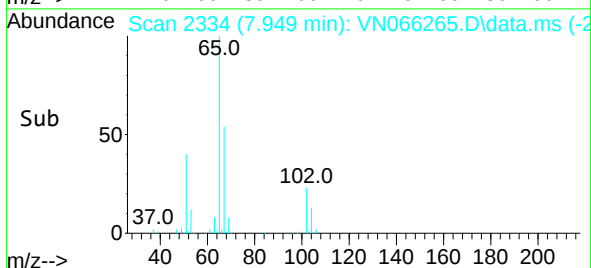
Tgt Ion: 56 Resp: 5029
Ion Ratio Lower Upper
56 100
69 180.4 23.4 35.0#
84 121.7 57.8 86.6#

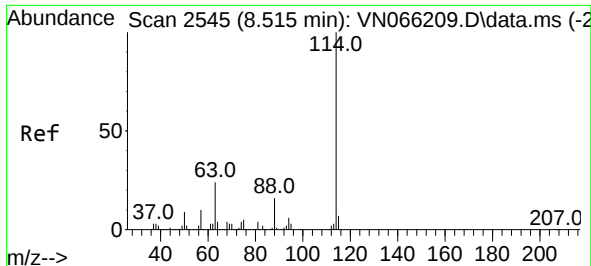


#33
1,2-Dichloroethane-d4
Concen: 48.17 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.000 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51



Tgt Ion: 65 Resp: 209825
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.2

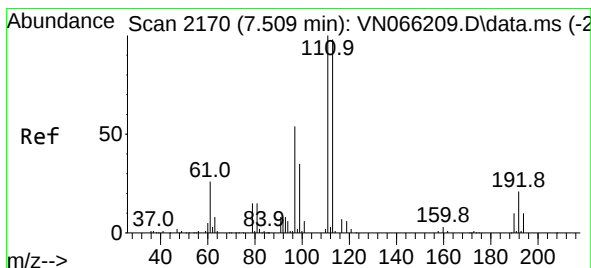
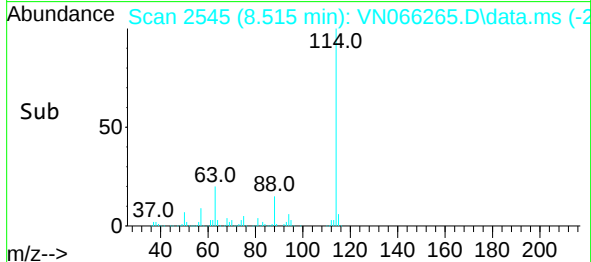
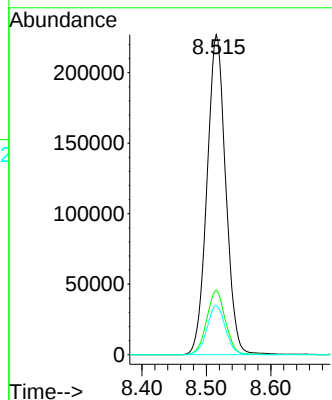
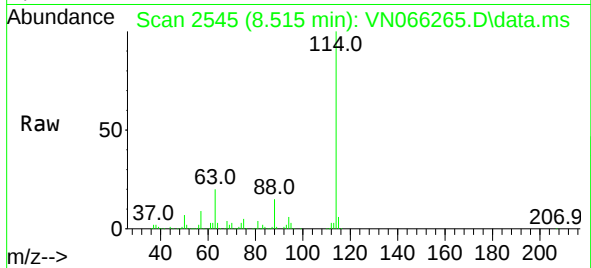




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.000 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

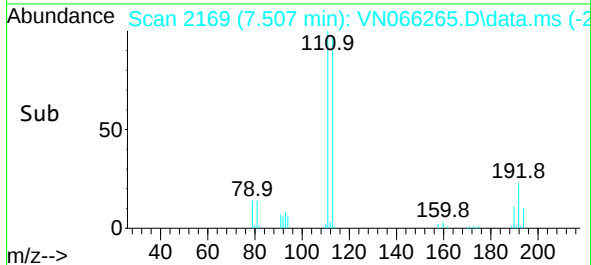
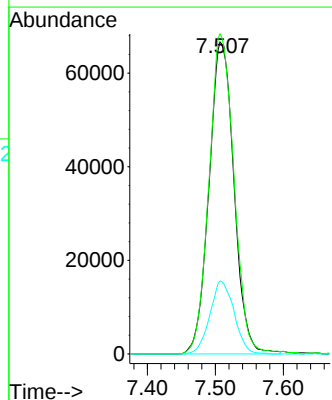
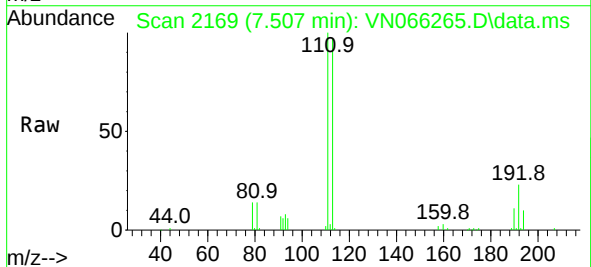
Instrument :
MSVOA_N
ClientSampled :

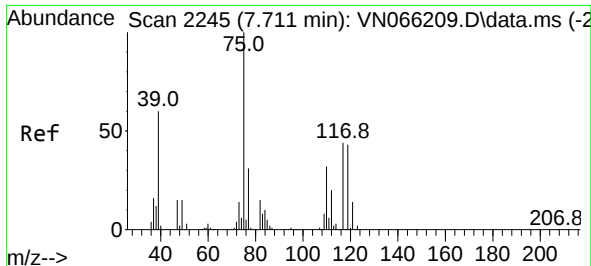
Tgt Ion:114 Resp: 457100
Ion Ratio Lower Upper
114 100
63 20.2 0.0 49.2
88 15.4 0.0 33.8



#35
Dibromofluoromethane
Concen: 58.22 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.002 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

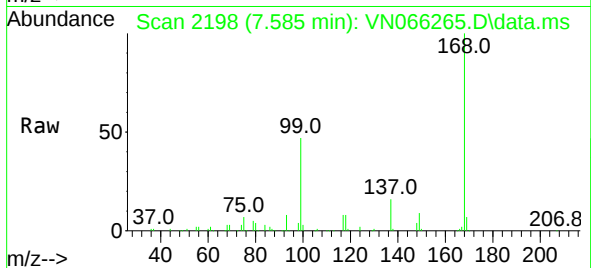
Tgt Ion:113 Resp: 169776
Ion Ratio Lower Upper
113 100
111 102.2 84.0 126.0
192 22.7 16.7 25.1



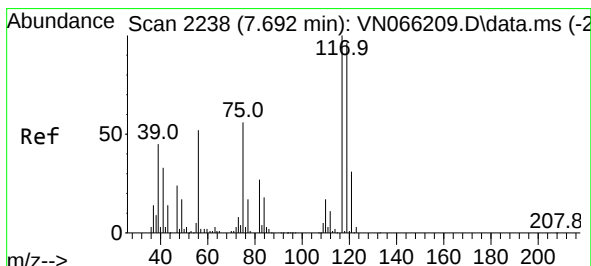
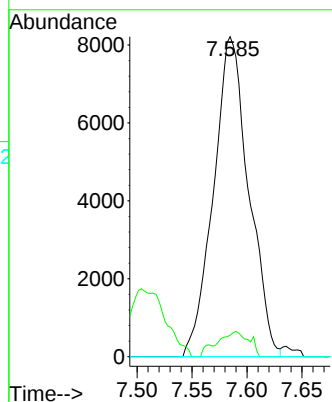
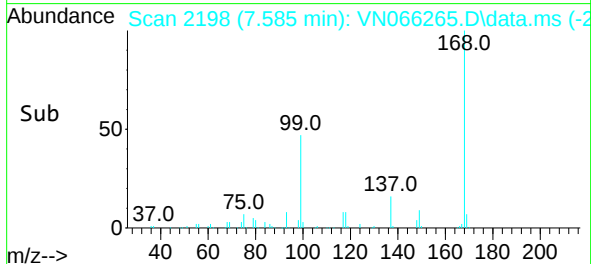


#36
 1,1-Dichloropropene
 Concen: 3.97 ug/l
 RT: 7.585 min Scan# 2198
 Delta R.T. -0.126 min
 Lab File: VN066265.D
 Acq: 18 Mar 2021 18:51

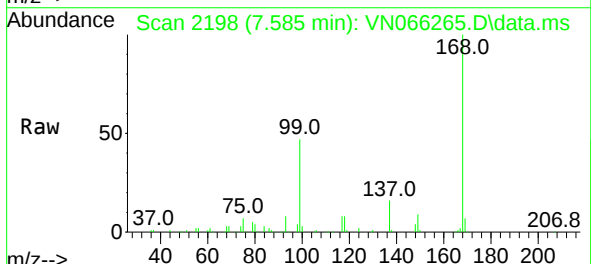
Instrument :
 MSVOA_N
 ClientSampled :



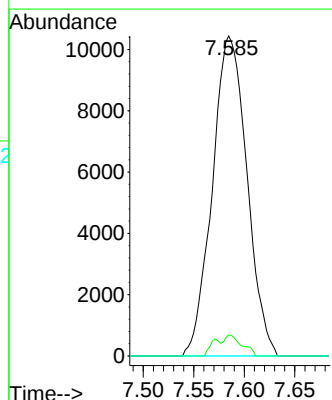
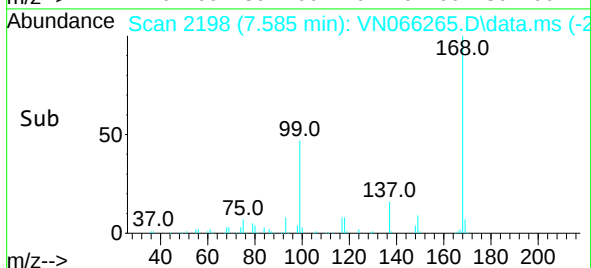
Tgt Ion: 75 Resp: 18369
 Ion Ratio Lower Upper
 75 100
 110 7.1 16.0 48.0#
 77 0.0 24.9 37.3#

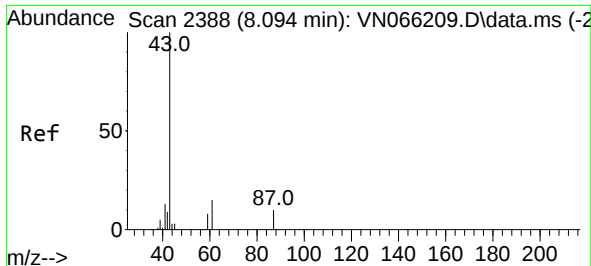


#38
 Carbon Tetrachloride
 Concen: 5.99 ug/l
 RT: 7.585 min Scan# 2198
 Delta R.T. -0.107 min
 Lab File: VN066265.D
 Acq: 18 Mar 2021 18:51



Tgt Ion: 117 Resp: 24863
 Ion Ratio Lower Upper
 117 100
 119 6.5 74.6 111.8#
 121 0.0 23.9 35.9#

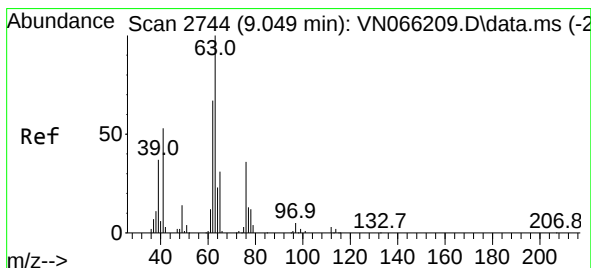
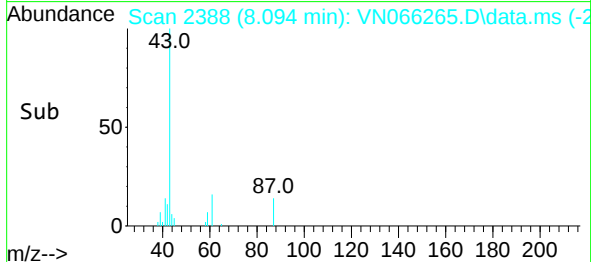
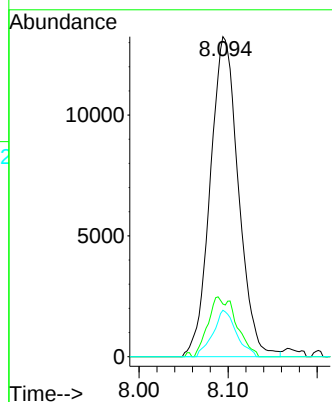
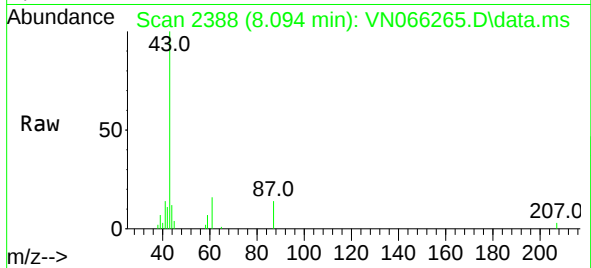




#43
Isopropyl Acetate
Concen: 2.85 ug/l
RT: 8.094 min Scan# 2388
Delta R.T. 0.000 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

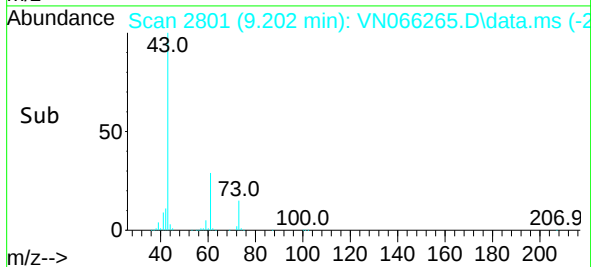
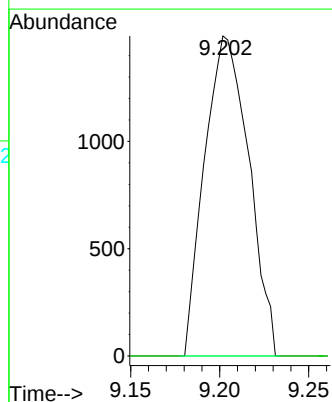
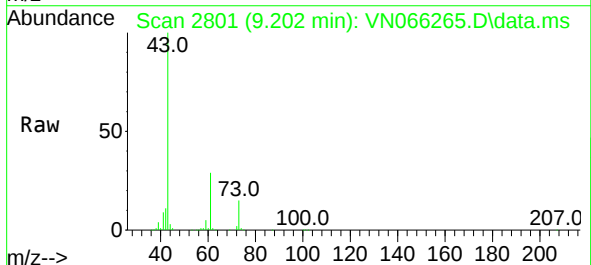
Instrument :
MSVOA_N
ClientSampleId :

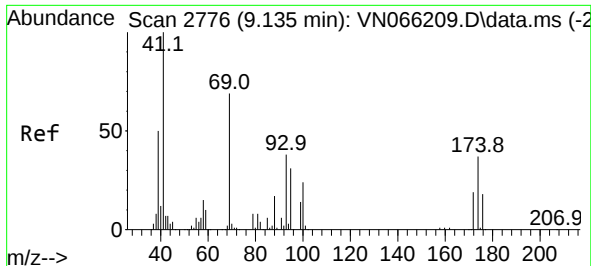
Tgt Ion: 43	Resp: 29161
Ion Ratio	Lower Upper
43 100	
61 11.2	14.0 21.0#
87 12.0	7.9 11.9#



#45
1,2-Dichloropropane
Concen: 0.64 ug/l
RT: 9.202 min Scan# 2801
Delta R.T. 0.153 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

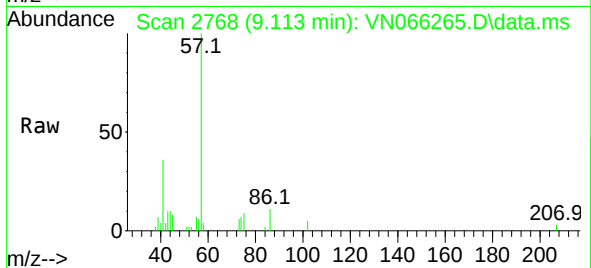
Tgt Ion: 63	Resp: 2578
Ion Ratio	Lower Upper
63 100	
65 0.0	24.6 37.0#



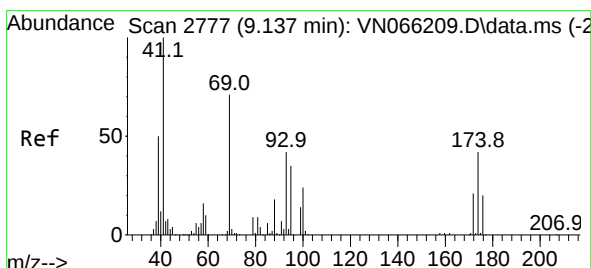
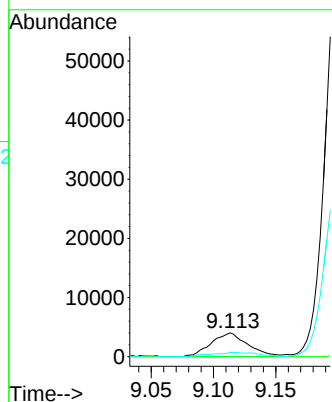
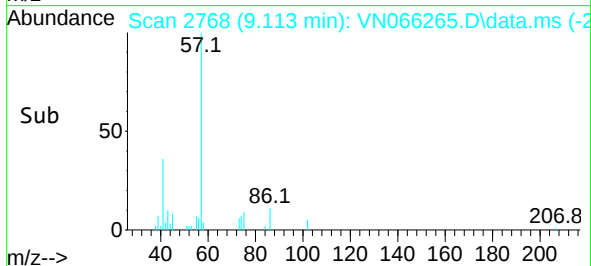


#48
Methyl methacrylate
Concen: 1.70 ug/l
RT: 9.113 min Scan# 2768
Delta R.T. -0.022 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

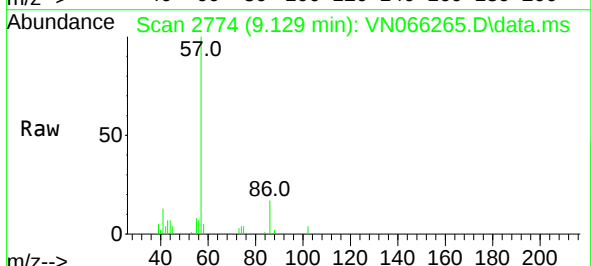
Instrument :
MSVOA_N
ClientSampled :



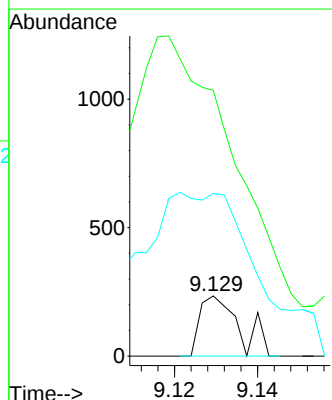
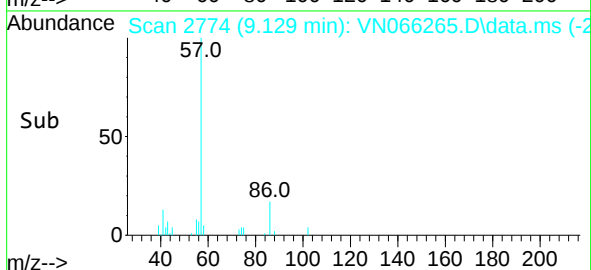
Tgt Ion: 41 Resp: 8250
Ion Ratio Lower Upper
41 100
69 0.0 54.7 82.1#
39 0.0 40.2 60.2#

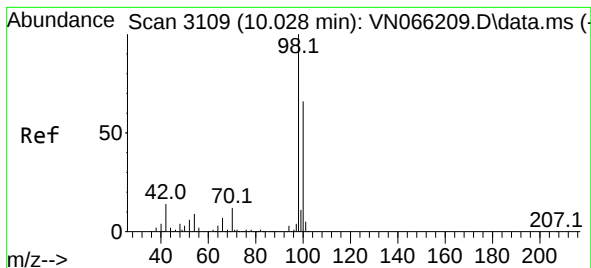


#49
1,4-Dioxane
Concen: 2.93 ug/l
RT: 9.129 min Scan# 2774
Delta R.T. -0.008 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51



Tgt Ion: 88 Resp: 154
Ion Ratio Lower Upper
88 100
43 0.0 34.4 51.6#
58 860.4 67.3 100.9#

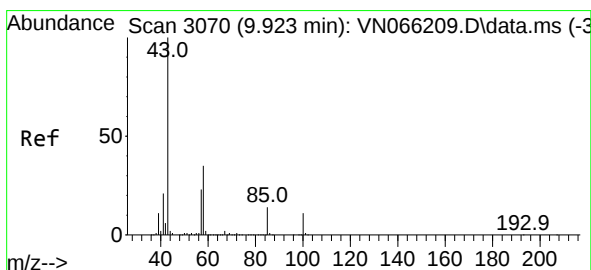
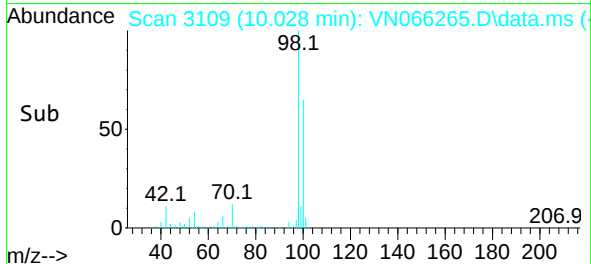
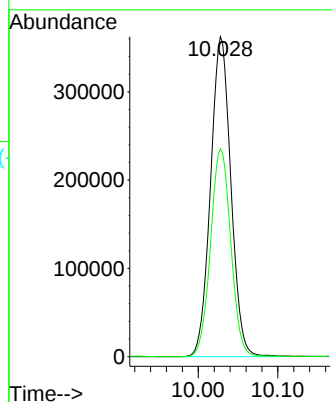
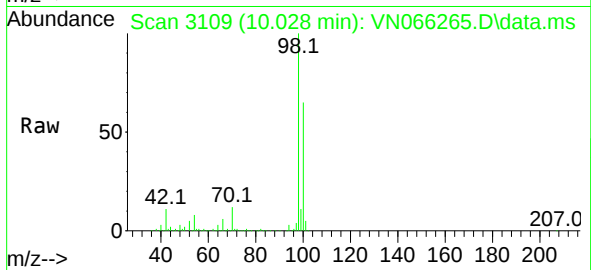




#50
Toluene-d8
Concen: 57.15 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

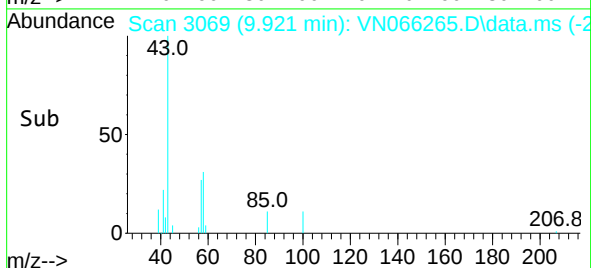
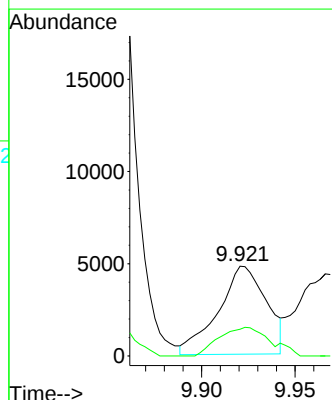
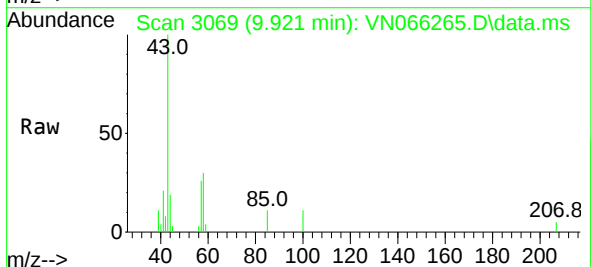
Instrument :
MSVOA_N
ClientSampled :

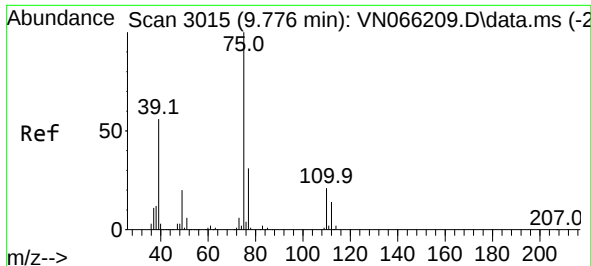
Tgt Ion: 98 Resp: 644352
Ion Ratio Lower Upper
98 100
100 64.7 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 1.38 ug/l
RT: 9.921 min Scan# 3069
Delta R.T. -0.002 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

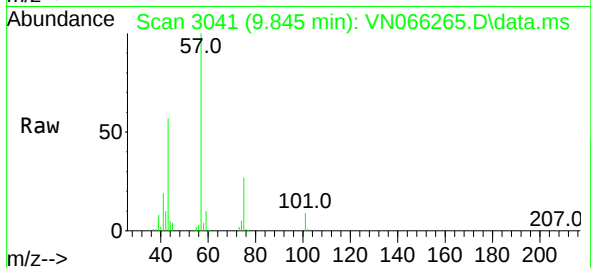
Tgt Ion: 43 Resp: 8558
Ion Ratio Lower Upper
43 100
58 34.6 27.5 41.3



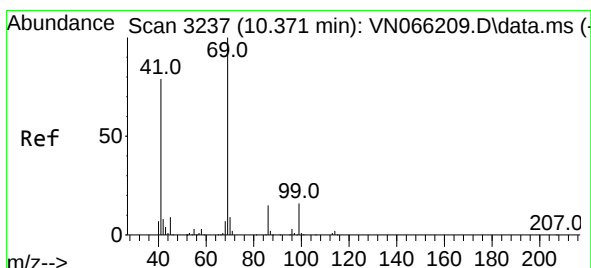
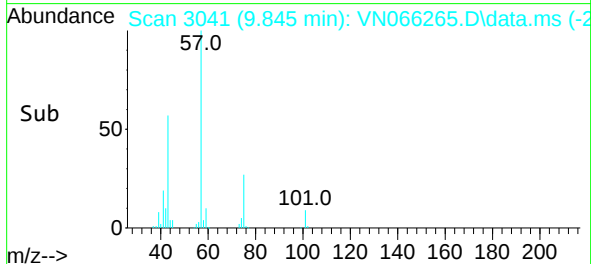
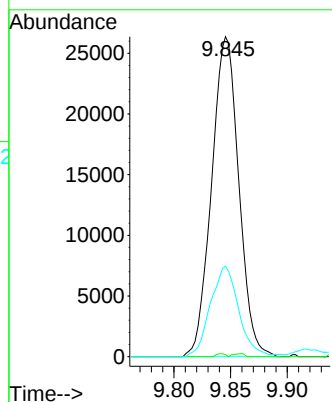


#54
 cis-1,3-Dichloropropene
 Concen: 7.33 ug/l
 RT: 9.845 min Scan# 3041
 Delta R.T. 0.069 min
 Lab File: VN066265.D
 Acq: 18 Mar 2021 18:51

Instrument :
 MSVOA_N
 ClientSampled :

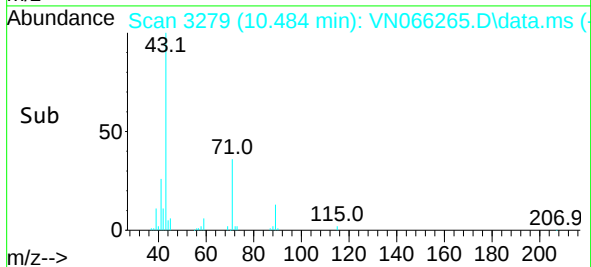
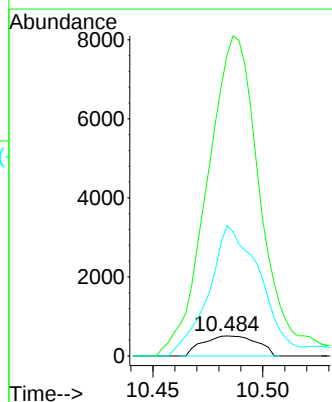
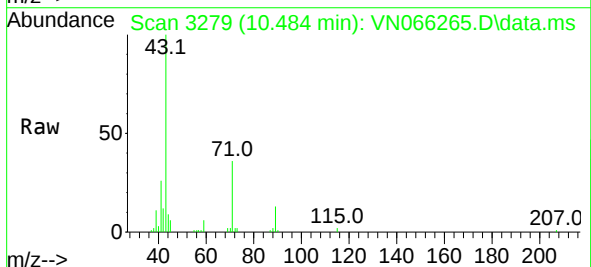


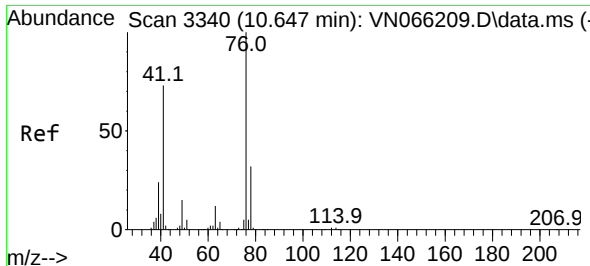
Tgt Ion: 75 Resp: 44007
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 28.3 46.2 69.2#



#56
 Ethyl methacrylate
 Concen: 2.30 ug/l
 RT: 10.484 min Scan# 3279
 Delta R.T. 0.113 min
 Lab File: VN066265.D
 Acq: 18 Mar 2021 18:51

Tgt Ion: 69 Resp: 868
 Ion Ratio Lower Upper
 69 100
 41 1562.7 66.2 99.4#
 39 623.8 31.5 47.3#

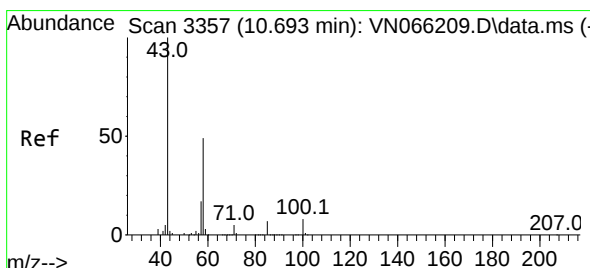
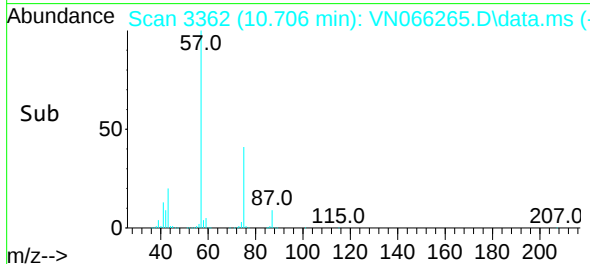
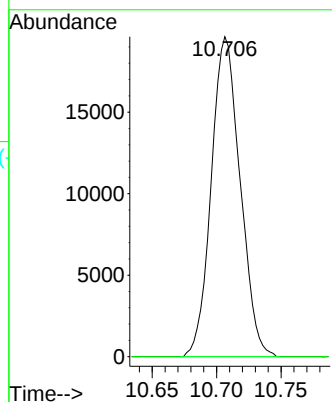
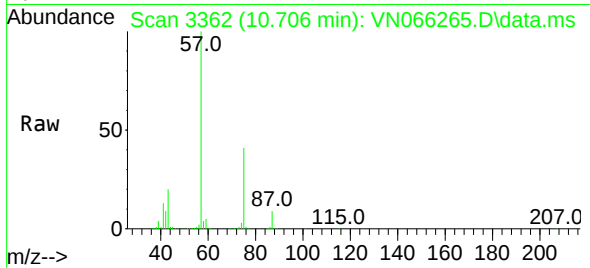




#57
1,3-Dichloropropane
Concen: 5.13 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.059 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

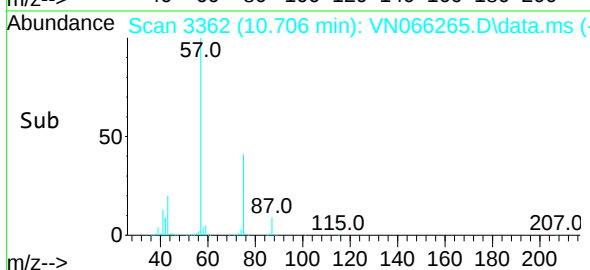
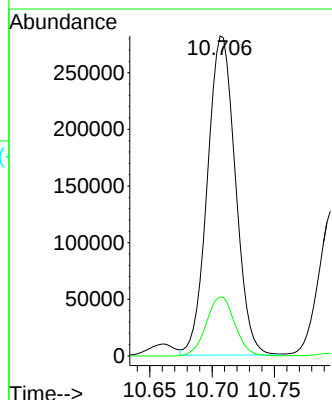
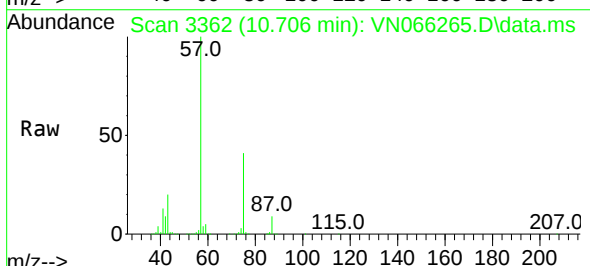
Instrument :
MSVOA_N
ClientSampled :

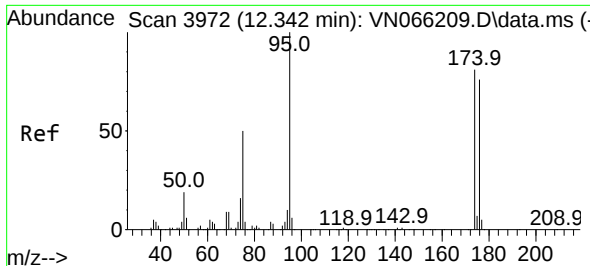
Tgt Ion: 76 Resp: 30561
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.2#



#59
2-Hexanone
Concen: 92.09 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.013 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

Tgt Ion: 43 Resp: 441048
Ion Ratio Lower Upper
43 100
58 18.9 23.8 71.5#

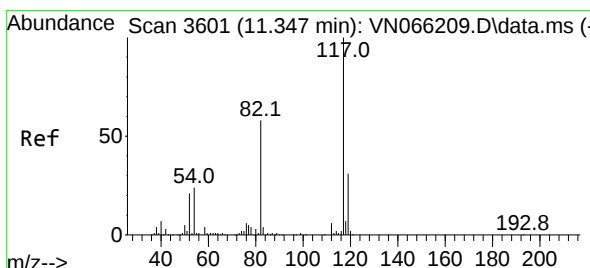
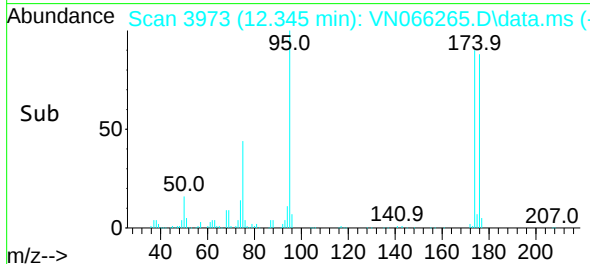
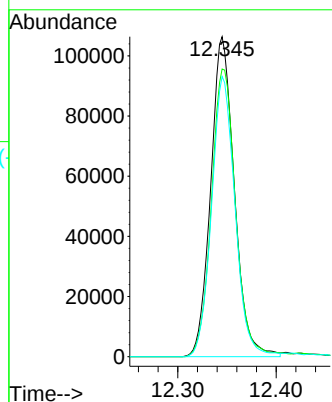
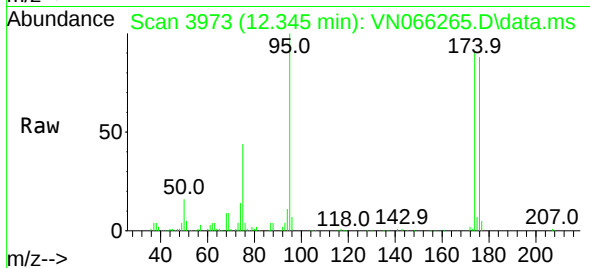




#62
4-Bromofluorobenzene
Concen: 43.85 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

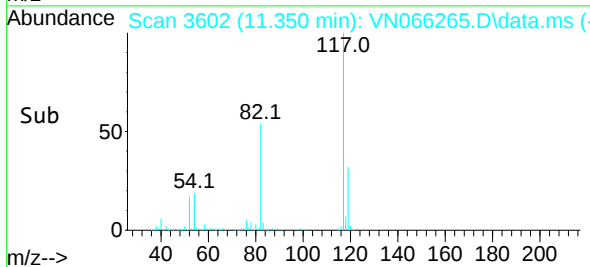
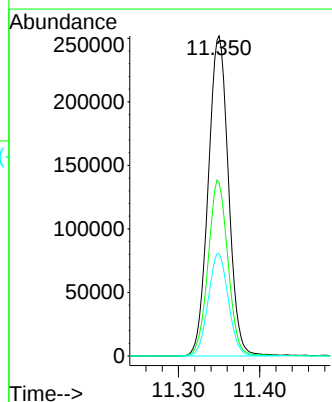
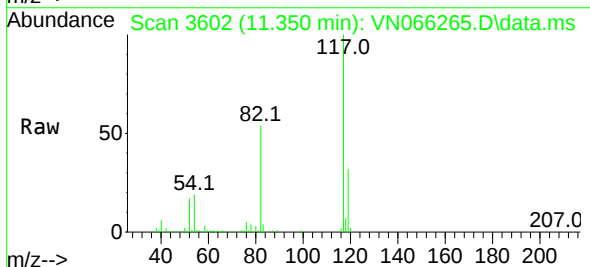
Instrument :
MSVOA_N
ClientSampled :

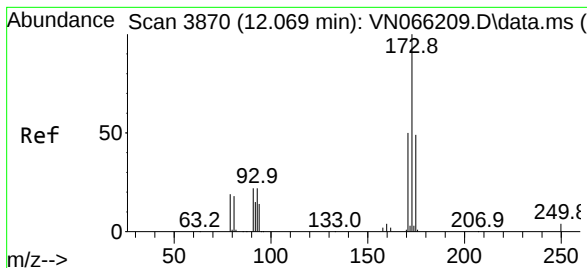
Tgt Ion: 95 Resp: 178199
Ion Ratio Lower Upper
95 100
174 92.0 0.0 162.4
176 86.8 0.0 156.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

Tgt Ion: 117 Resp: 435698
Ion Ratio Lower Upper
117 100
82 54.2 49.0 73.6
119 32.0 25.7 38.5





#71

Bromoform

Concen: 0.25 ug/l

RT: 12.348 min Scan# 3974

Delta R.T. 0.279 min

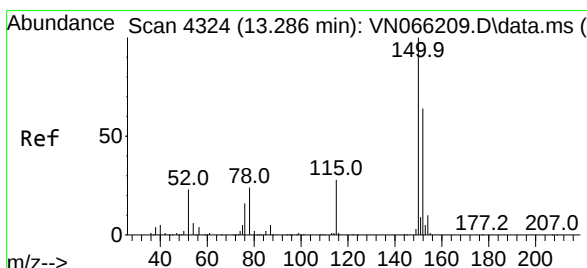
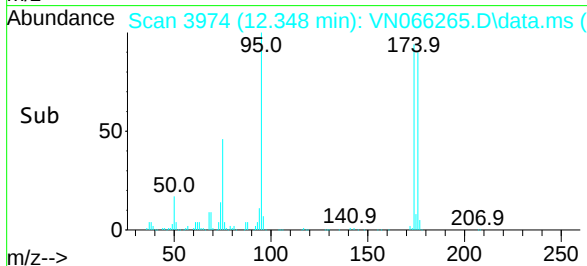
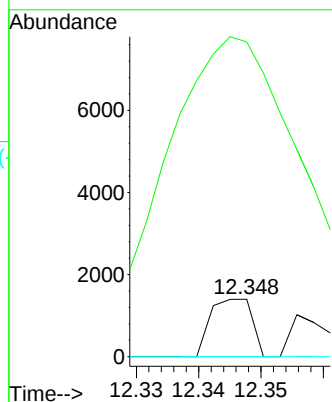
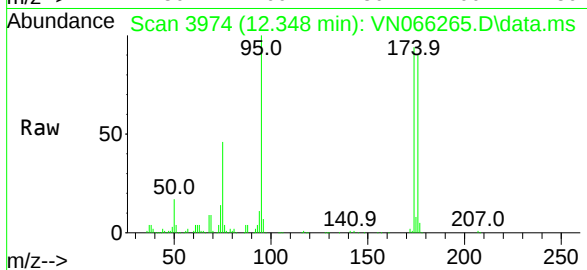
Lab File: VN066265.D

Acq: 18 Mar 2021 18:51

Tgt Ion:173 Resp: 649

Ion	Ratio	Lower	Upper
173	100		
175	1756.5	23.9	71.8#
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampled :



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.289 min Scan# 4325

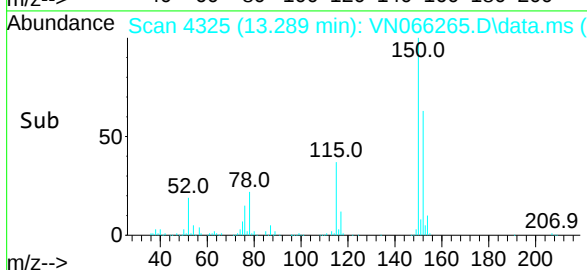
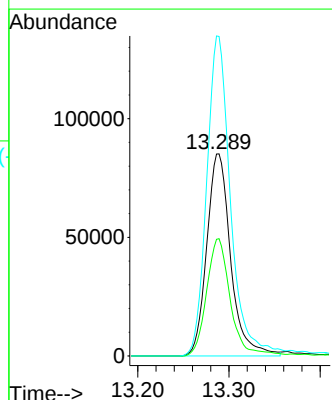
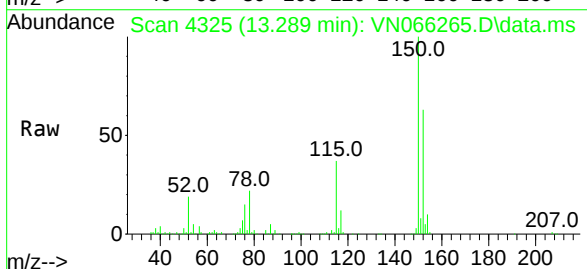
Delta R.T. 0.003 min

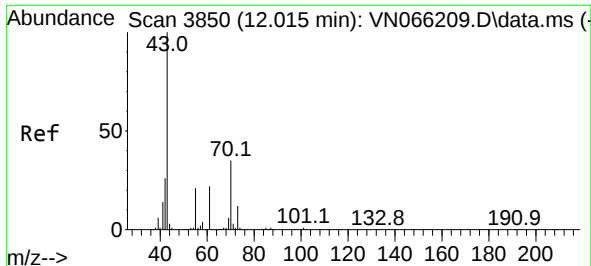
Lab File: VN066265.D

Acq: 18 Mar 2021 18:51

Tgt Ion:152 Resp: 155594

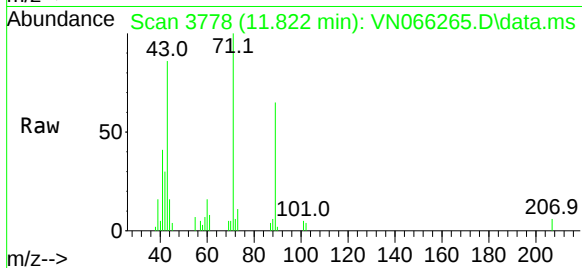
Ion	Ratio	Lower	Upper
152	100		
115	57.4	29.4	88.3
150	157.8	0.0	352.2



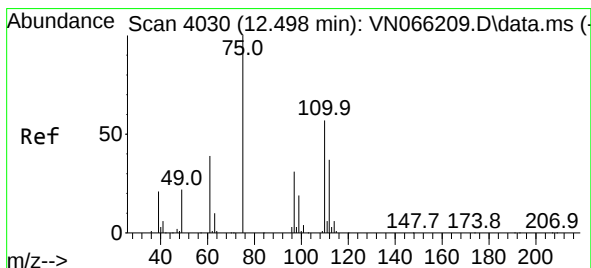
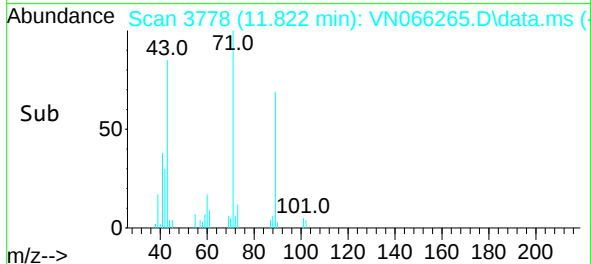
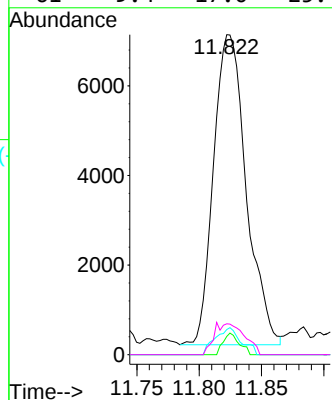


#74
N-amy1 acetate
Concen: 4.16 ug/l
RT: 11.822 min Scan# 3778
Delta R.T. -0.193 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

Instrument :
MSVOA_N
ClientSampled :

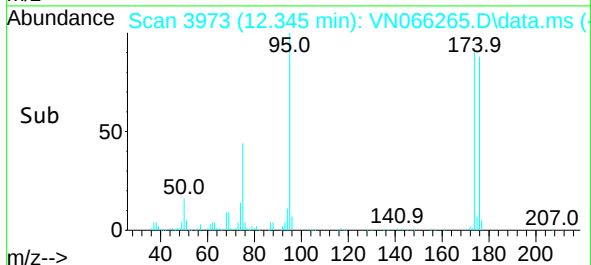
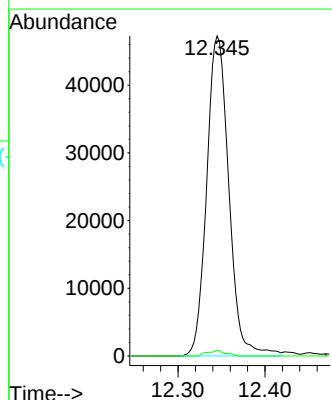
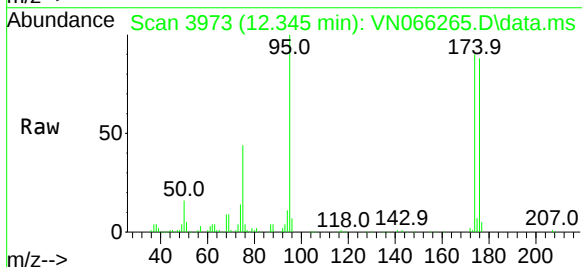


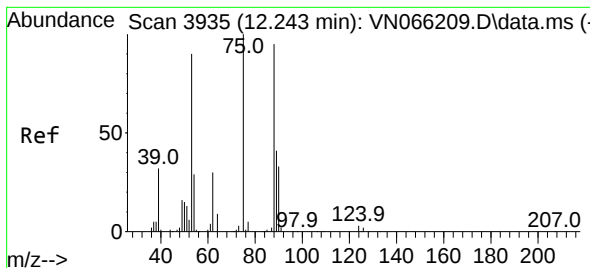
Tgt Ion: 43	Resp: 12630
Ion Ratio	Lower Upper
43	100
70	3.4 26.2 39.4#
55	6.9 17.2 25.8#
61	9.4 17.0 25.4#



#76
1,2,3-Trichloropropane
Concen: 20.80 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

Tgt Ion: 75	Resp: 83571
Ion Ratio	Lower Upper
75	100
77	1.4 0.0 0.0#

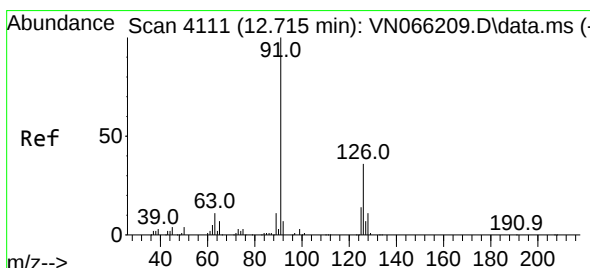
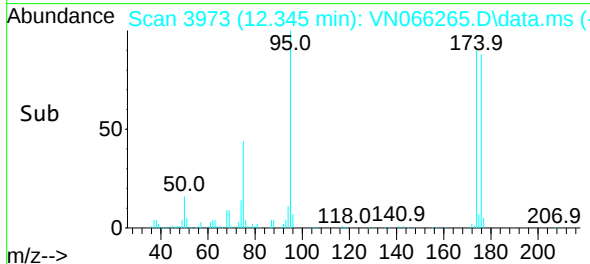
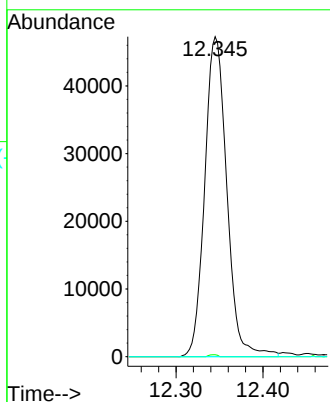
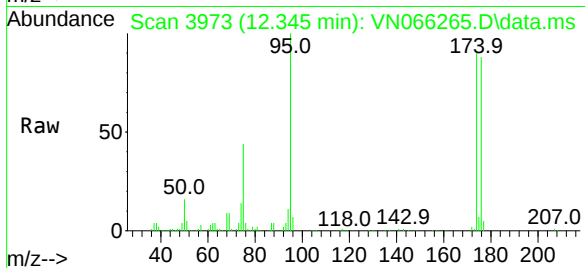




#81
trans-1,4-Dichloro-2-butene
Concen: 62.24 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

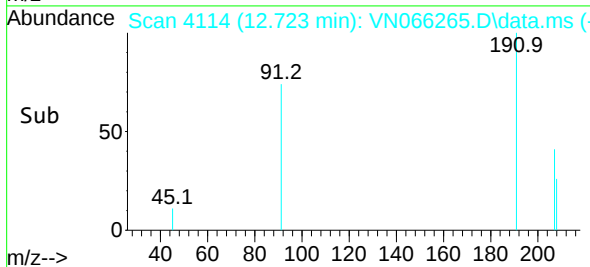
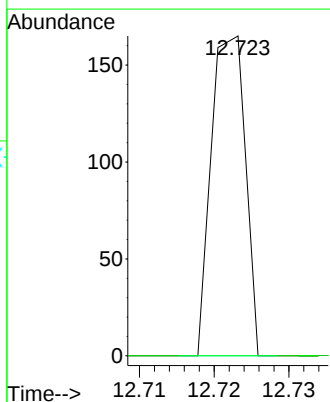
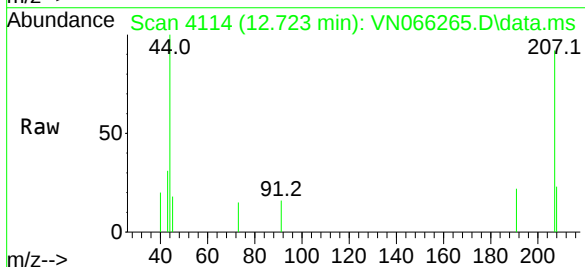
Instrument :
MSVOA_N
ClientSampleId :

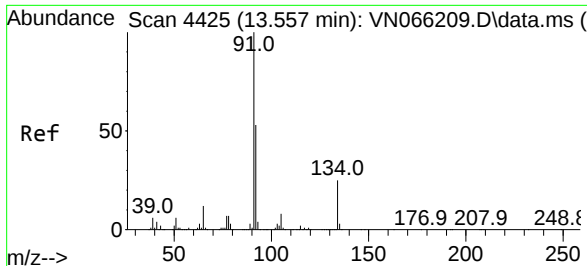
Tgt Ion: 75 Resp: 83571
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.6#
89 0.0 33.7 50.5#



#82
4-Chlorotoluene
Concen: 0.47 ug/l
RT: 12.723 min Scan# 4114
Delta R.T. 0.008 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

Tgt Ion: 91 Resp: 52
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#

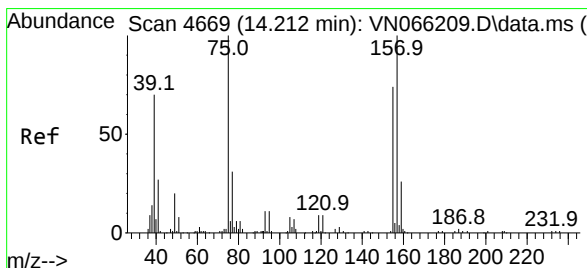
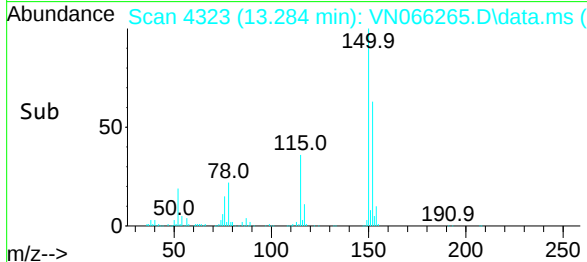
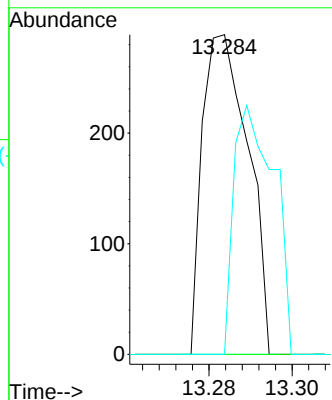
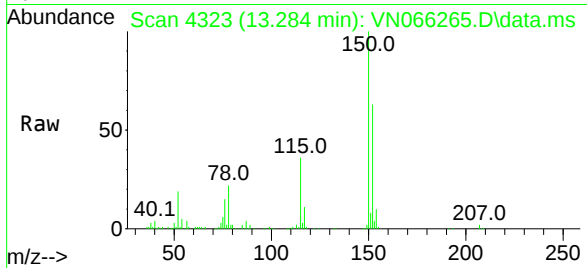




#89
n-Butylbenzene
Concen: 2.26 ug/l
RT: 13.284 min Scan# 4323
Delta R.T. -0.273 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 91 Resp: 220
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 68.6 11.8 35.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.95 ug/l
RT: 14.190 min Scan# 4661
Delta R.T. -0.022 min
Lab File: VN066265.D
Acq: 18 Mar 2021 18:51

Tgt Ion: 75 Resp: 99
Ion Ratio Lower Upper
75 100
155 0.0 36.5 109.7#
157 0.0 46.3 138.8#

