

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042221\
 Data File : VN066723.D
 Acq On : 22 Apr 2021 18:35
 Operator : JC/MD
 Sample : M2090-23
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 06:37:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 22 08:25:55 2021
 Response via : Initial Calibration

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

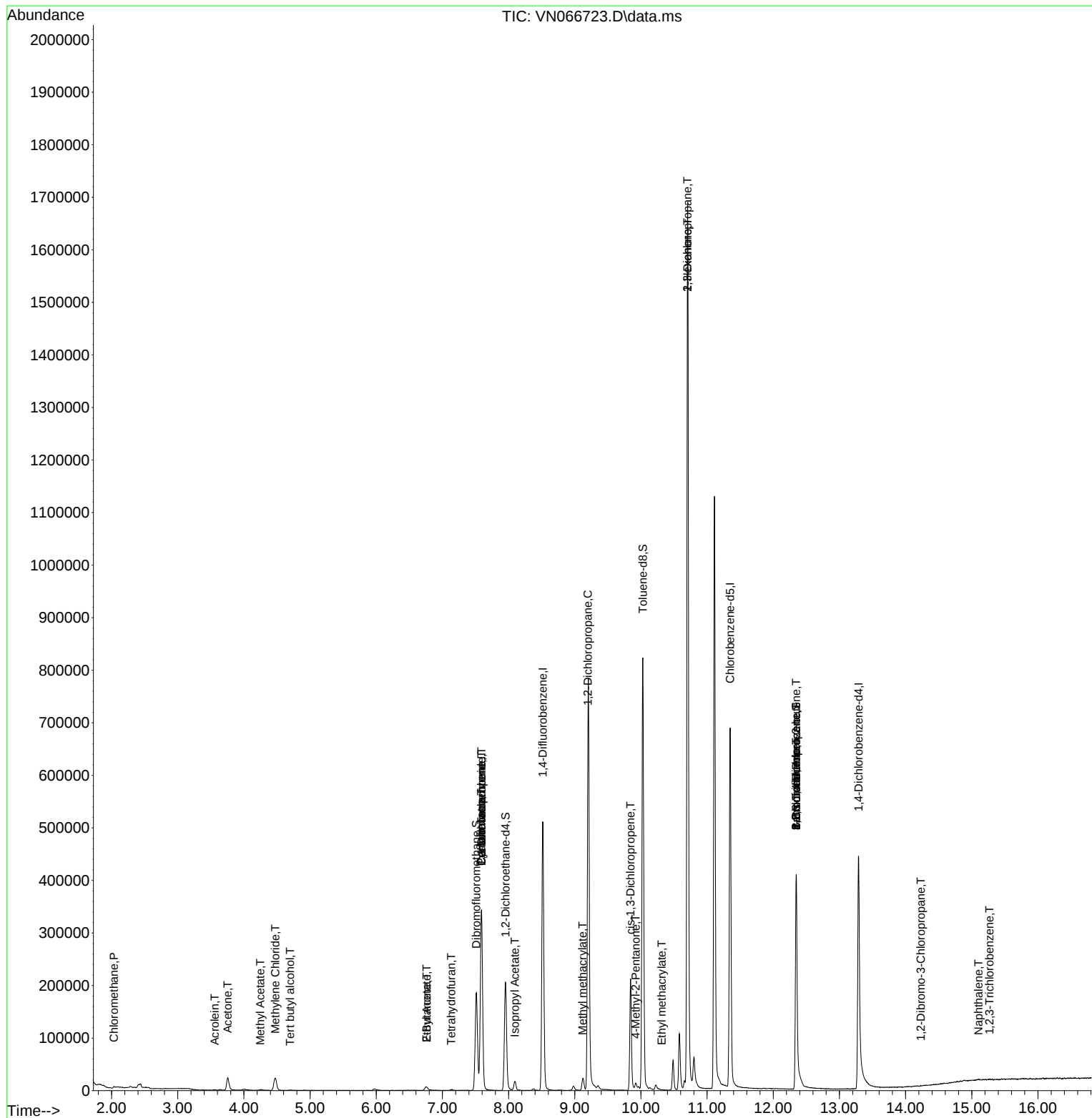
Internal Standards						
1) Pentafluorobenzene	7.591	168	304807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.516	114	471541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	422955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.288	152	168631	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	177244	47.60	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.20%		
35) Dibromofluoromethane	7.513	113	146451	49.60	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.20%		
50) Toluene-d8	10.029	98	584612	50.77	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.54%		
62) 4-Bromofluorobenzene	12.346	95	175582	44.52	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.04%		
Target Compounds					Qvalue	
3) Chloromethane	2.034	50	1120	0.23	ug/l	96
11) Tert butyl alcohol	4.697	59	330	0.70	ug/l #	73
13) Acrolein	3.557	56	940	1.80	ug/l #	67
16) Acetone	3.756	43	41215	29.57	ug/l	97
18) Methyl Acetate	4.247	43	1101	0.28	ug/l	92
20) Methylene Chloride	4.475	84	19062	4.60	ug/l	99
25) 2-Butanone	6.762	43	14265	7.13	ug/l #	88
29) Tetrahydrofuran	7.132	42	1319	0.96	ug/l #	51
31) Cyclohexane	7.588	56	5607	0.92	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	21322	4.86	ug/l #	49
37) Ethyl Acetate	6.762	43	14265	3.10	ug/l #	68
38) Carbon Tetrachloride	7.591	117	26860	6.44	ug/l #	17
43) Isopropyl Acetate	8.095	43	21961	2.99	ug/l #	88
45) 1,2-Dichloropropane	9.198	63	937	0.24	ug/l #	44
48) Methyl methacrylate	9.117	41	6064	1.88	ug/l #	10
51) 4-Methyl-2-Pentanone	9.922	43	7080	1.72	ug/l #	79
54) cis-1,3-Dichloropropene	9.844	75	39436	6.96	ug/l #	61
56) Ethyl methacrylate	10.313	69	150	3.18	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	17951	3.25	ug/l #	43
59) 2-Hexanone	10.705	43	249399	92.04	ug/l #	51
71) Bromoform	12.346	173	1028	0.43	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	84396	23.39	ug/l #	100
79) 2-Chlorotoluene	12.346	91	351	0.97	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.346	75	84396	69.24	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.229	75	154	0.21	ug/l #	1
95) Naphthalene	15.101	128	945	1.96	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.267	180	169	1.41	ug/l #	12

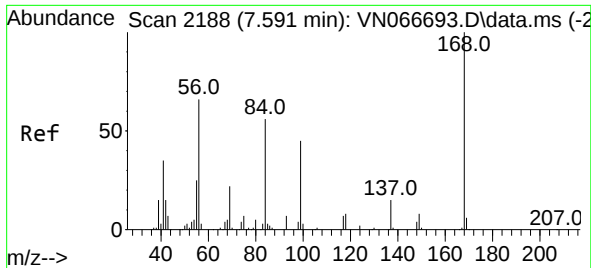
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 23 06:37:22 2021
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Quant Title : SW846 8260
QLast Update : Thu Apr 22 08:25:55 2021
Response via : Initial Calibration

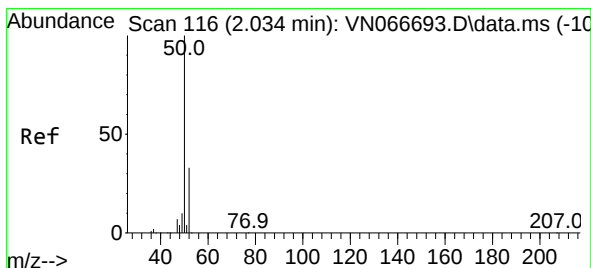
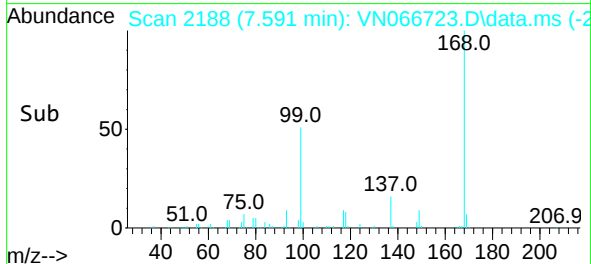
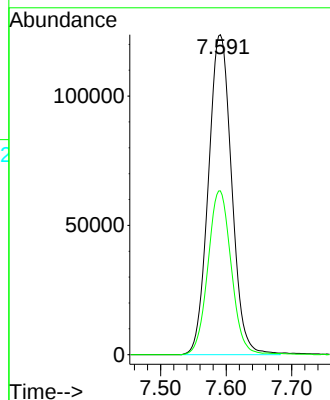
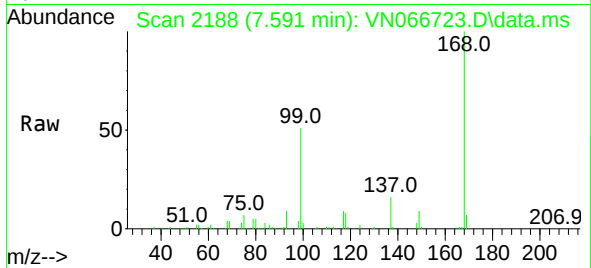




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

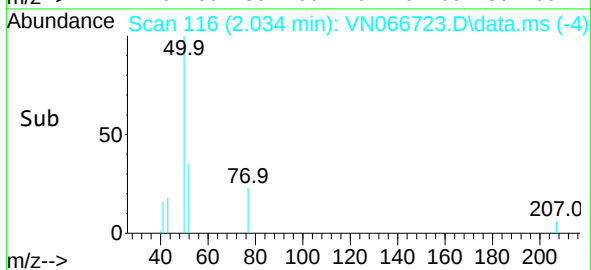
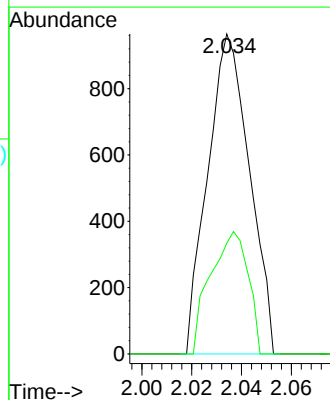
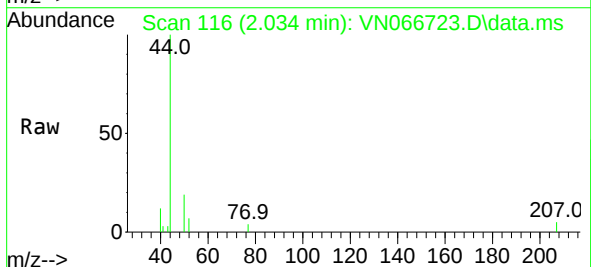
Instrument :
MSVOA_N
ClientSampled :

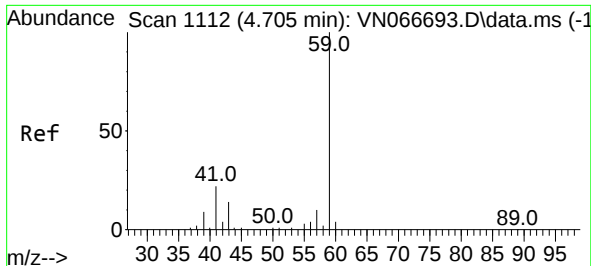
Tgt Ion:168 Resp: 304807
Ion Ratio Lower Upper
168 100
99 51.2 42.6 63.8



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.000 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

Tgt Ion: 50 Resp: 1120
Ion Ratio Lower Upper
50 100
52 34.6 25.8 38.8



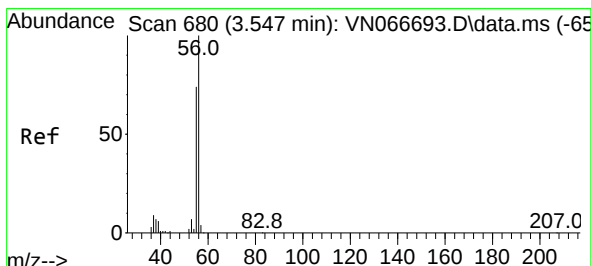
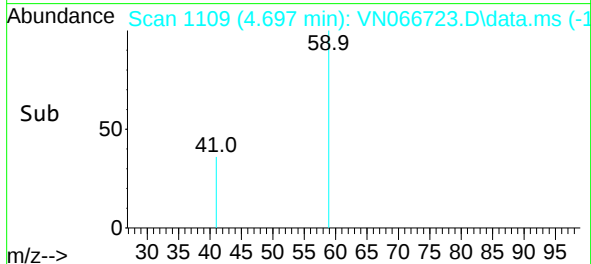
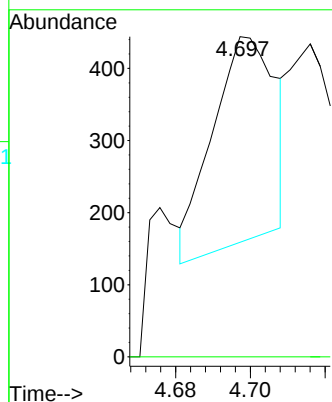
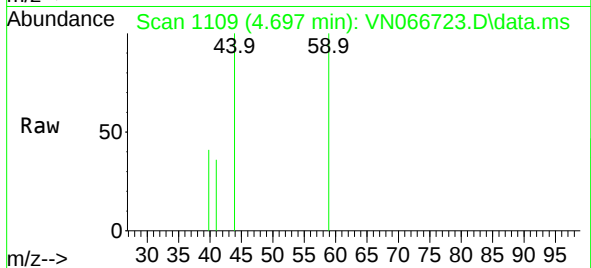


#11

Tert butyl alcohol
Concen: 0.70 ug/l
RT: 4.697 min Scan# 1109
Delta R.T. -0.008 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

Instrument :
MSVOA_N
ClientSampled :

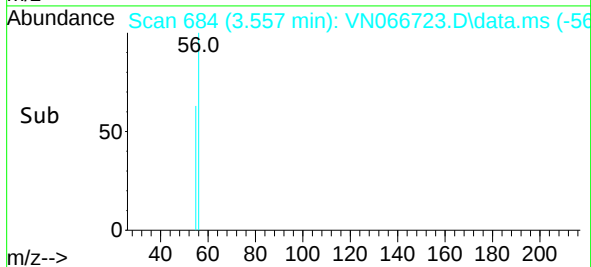
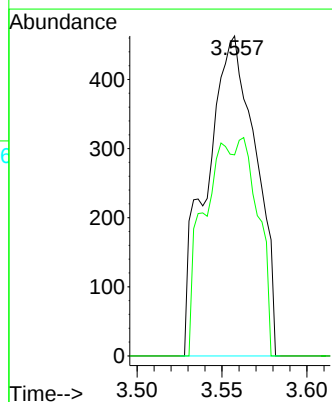
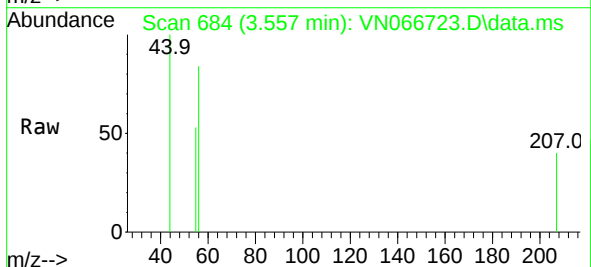
Tgt Ion: 59 Resp: 330
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

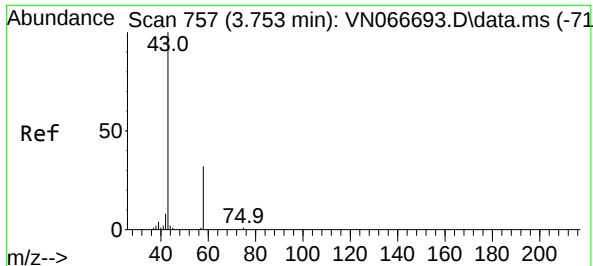


#13

Acrolein
Concen: 1.80 ug/l
RT: 3.557 min Scan# 684
Delta R.T. 0.010 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

Tgt Ion: 56 Resp: 940
Ion Ratio Lower Upper
56 100
55 43.0 56.0 84.0#

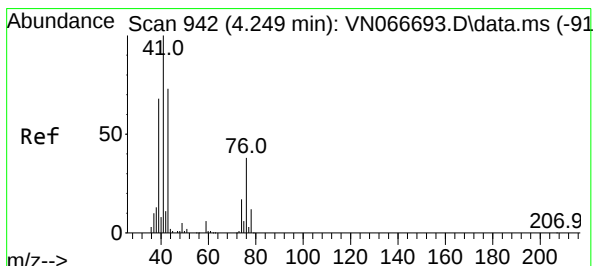
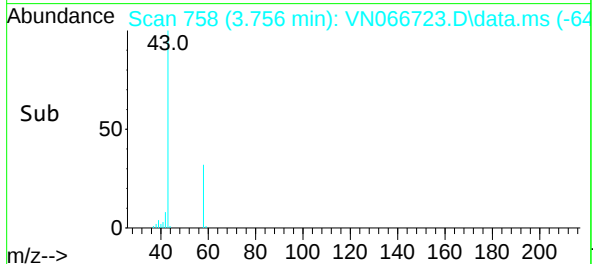
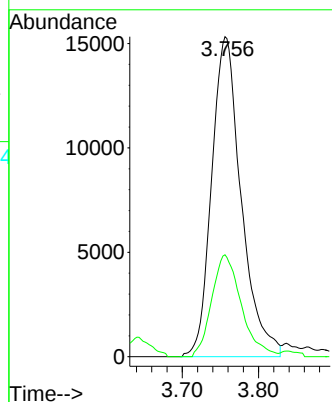
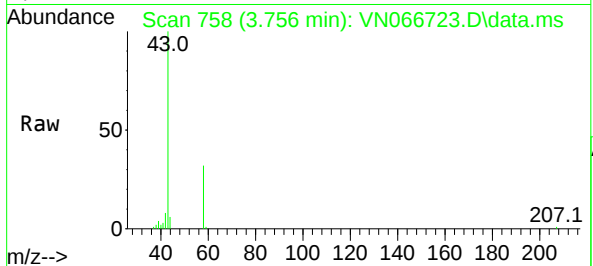




#16
Acetone
Concen: 29.57 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.003 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

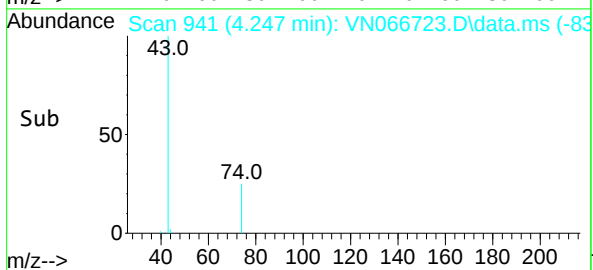
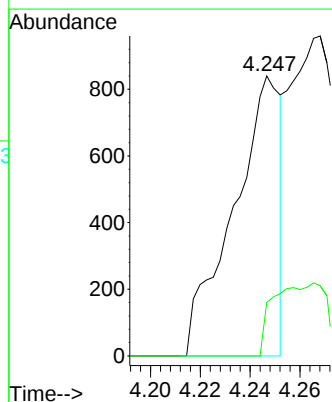
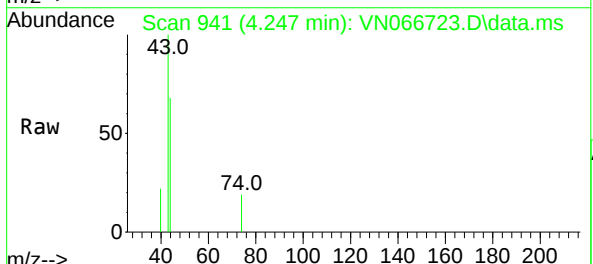
Instrument :
MSVOA_N
ClientSampled :

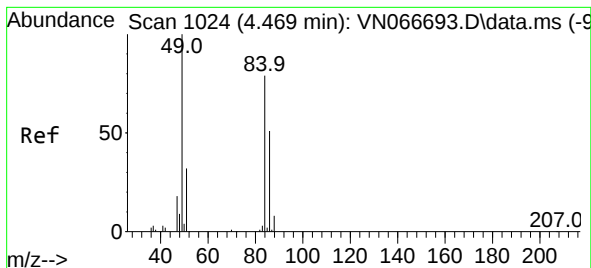
Tgt Ion: 43 Resp: 41215
Ion Ratio Lower Upper
43 100
58 31.9 27.0 40.6



#18
Methyl Acetate
Concen: 0.28 ug/l
RT: 4.247 min Scan# 941
Delta R.T. -0.002 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

Tgt Ion: 43 Resp: 1101
Ion Ratio Lower Upper
43 100
74 28.4 19.5 29.3





#20

Methylene Chloride

Concen: 4.60 ug/l

RT: 4.475 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN066723.D

Acq: 22 Apr 2021 18:35

Tgt Ion: 84 Resp: 19062

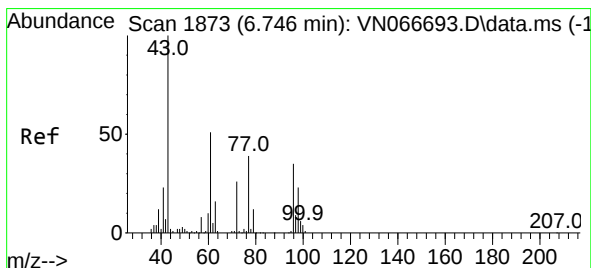
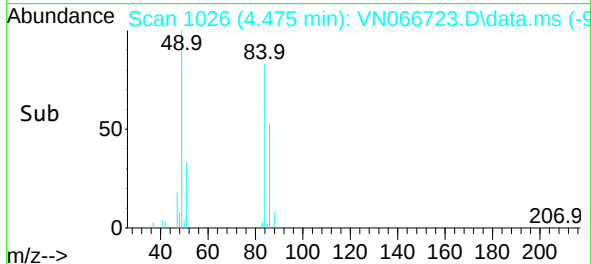
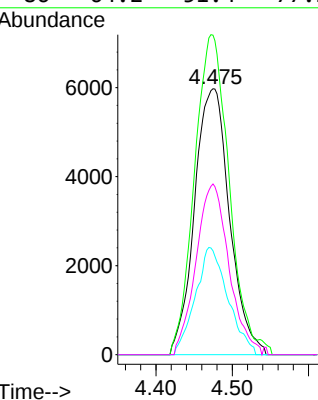
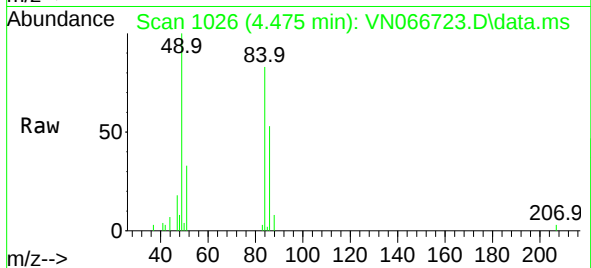
Ion Ratio Lower Upper

84 100

49 120.2 94.6 141.8

51 39.1 29.9 44.9

86 64.2 51.4 77.2



#25

2-Butanone

Concen: 7.13 ug/l

RT: 6.762 min Scan# 1879

Delta R.T. 0.016 min

Lab File: VN066723.D

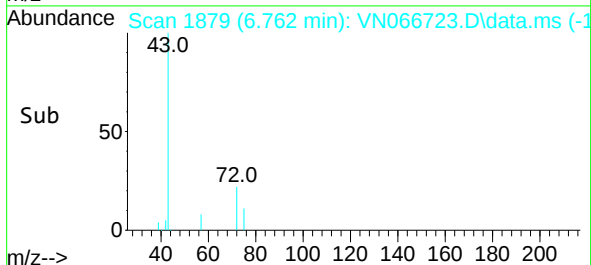
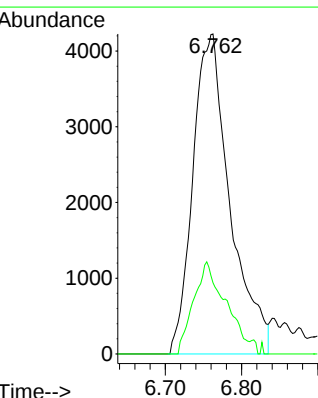
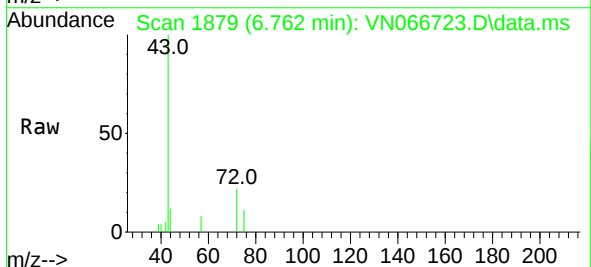
Acq: 22 Apr 2021 18:35

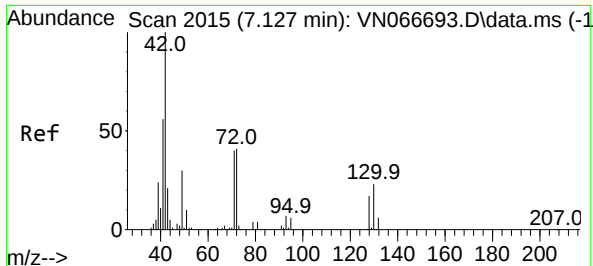
Tgt Ion: 43 Resp: 14265

Ion Ratio Lower Upper

43 100

72 22.2 23.1 34.7#





#29

Tetrahydrofuran

Concen: 0.96 ug/l

RT: 7.132 min Scan# 2017

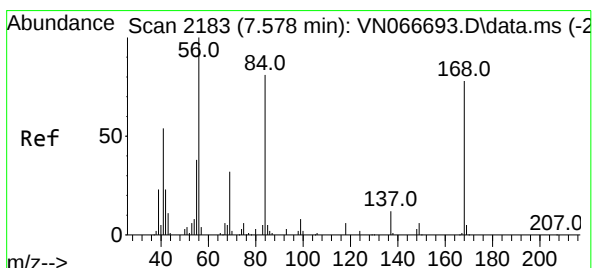
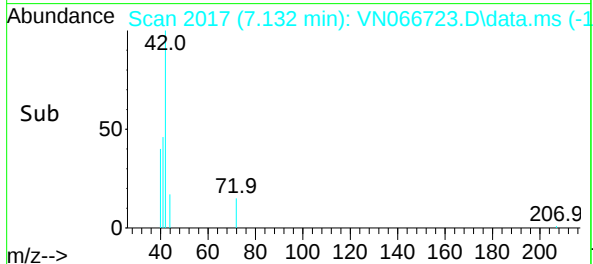
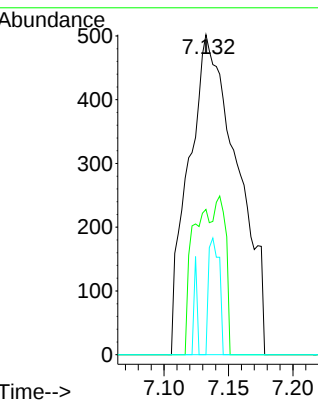
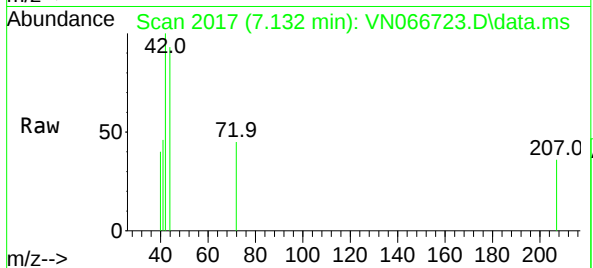
Delta R.T. 0.005 min

Lab File: VN066723.D

Acq: 22 Apr 2021 18:35

Tgt Ion:	42	Resp:	1319
Ion	Ratio	Lower	Upper
42	100		
72	17.4	36.6	55.0#
71	8.0	34.3	51.5#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 0.92 ug/l

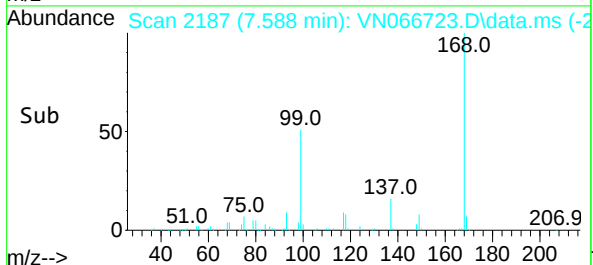
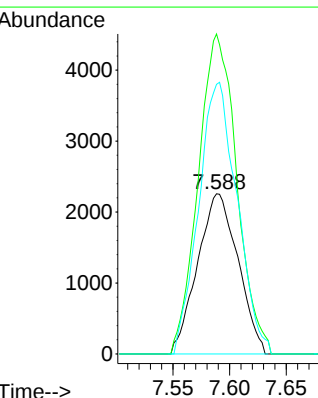
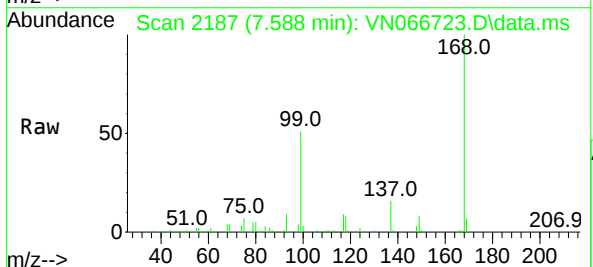
RT: 7.588 min Scan# 2187

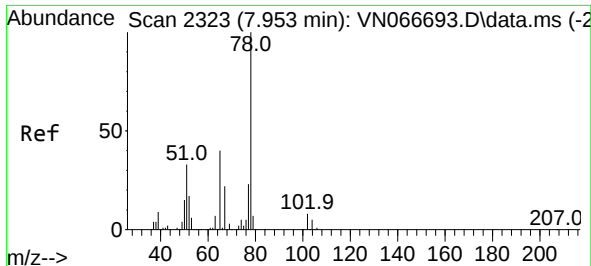
Delta R.T. 0.010 min

Lab File: VN066723.D

Acq: 22 Apr 2021 18:35

Tgt Ion:	56	Resp:	5607
Ion	Ratio	Lower	Upper
56	100		
69	199.8	26.6	39.8#
84	168.3	70.4	105.6#

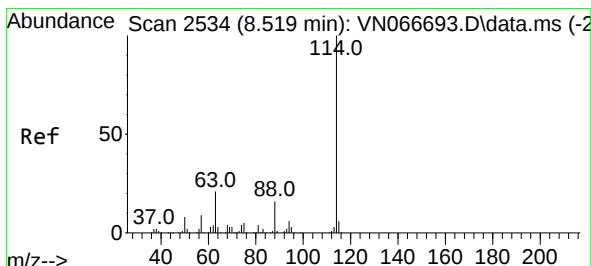
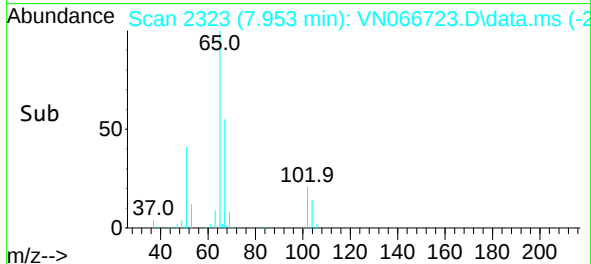
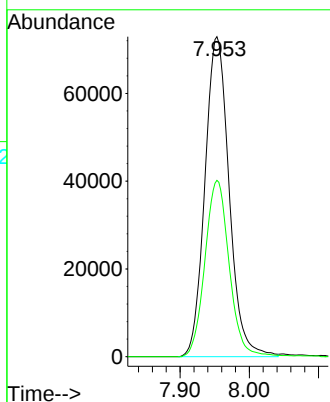
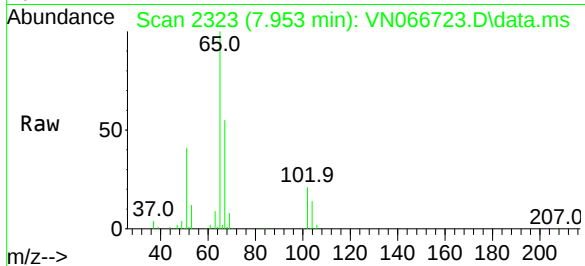




#33
1,2-Dichloroethane-d4
Concen: 47.60 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

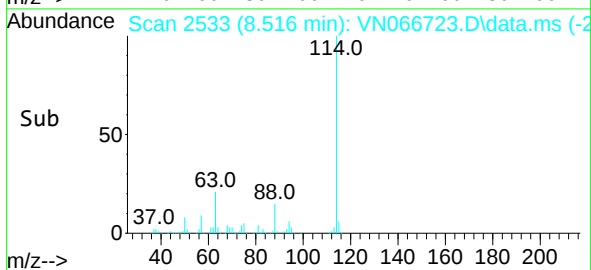
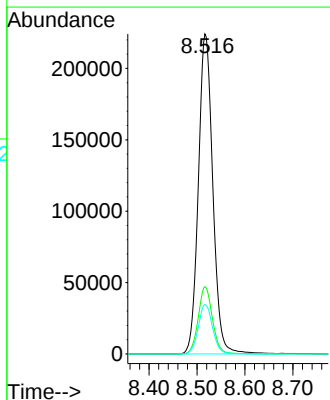
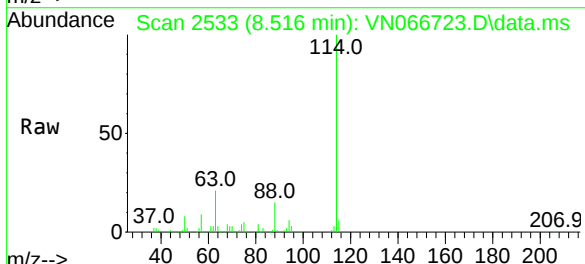
Instrument :
MSVOA_N
ClientSampleId :

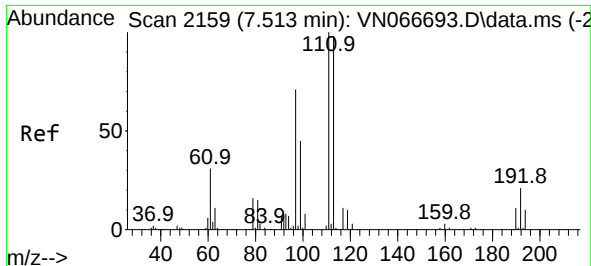
Tgt Ion: 65 Resp: 177244
Ion Ratio Lower Upper
65 100
67 55.3 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.516 min Scan# 2533
Delta R.T. -0.003 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

Tgt Ion: 114 Resp: 471541
Ion Ratio Lower Upper
114 100
63 21.0 0.0 38.6
88 15.5 0.0 30.6

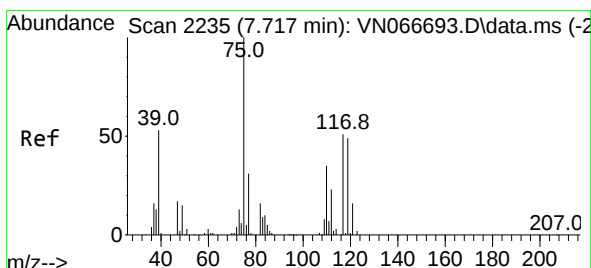
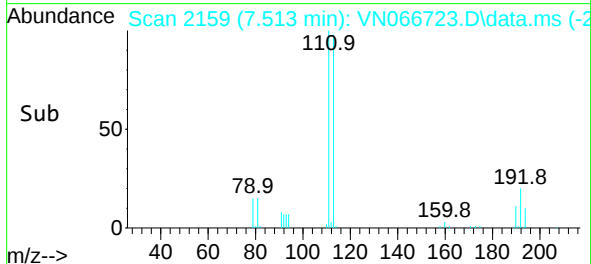
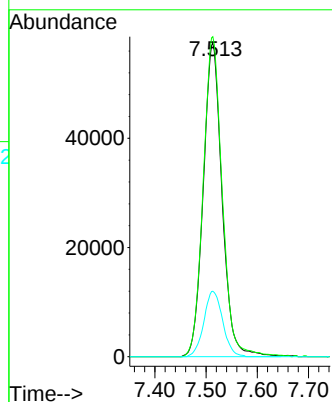
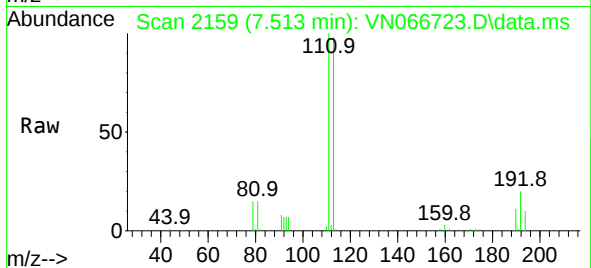




#35
Dibromofluoromethane
Concen: 49.60 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

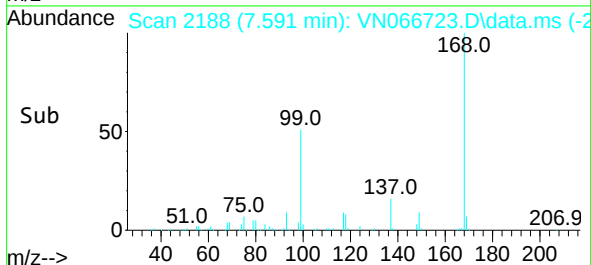
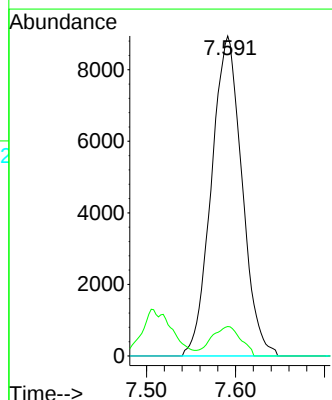
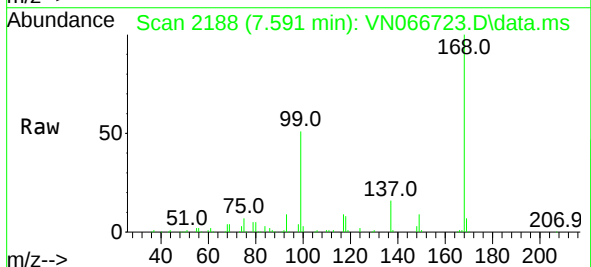
Instrument :
MSVOA_N
ClientSampleId :

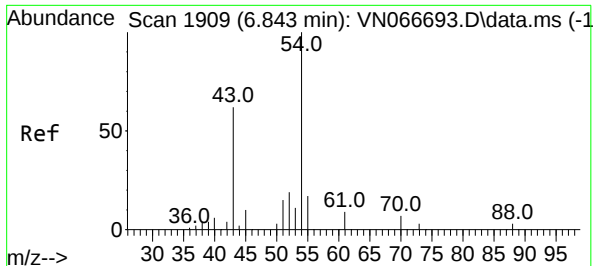
Tgt Ion:113 Resp: 146451
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 20.9 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.86 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

Tgt Ion: 75 Resp: 21322
Ion Ratio Lower Upper
75 100
110 8.9 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 3.10 ug/l

RT: 6.762 min Scan# 1879

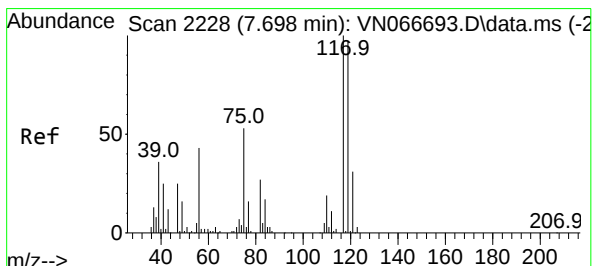
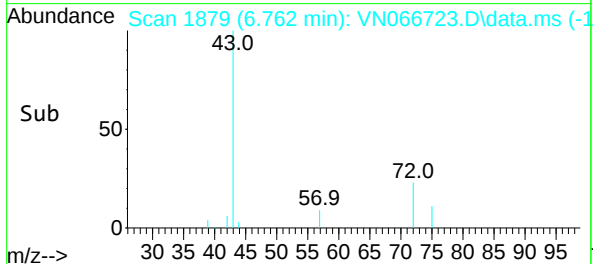
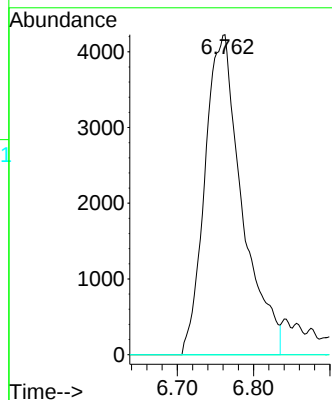
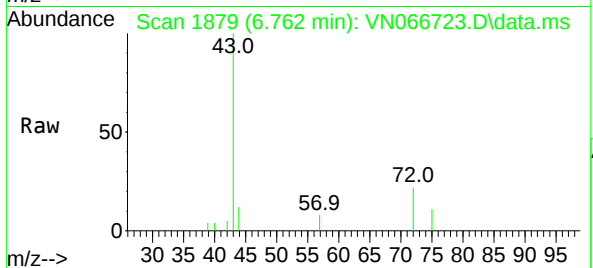
Delta R.T. -0.081 min

Lab File: VN066723.D

Acq: 22 Apr 2021 18:35

Tgt Ion:	43	Resp:	14265
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.44 ug/l

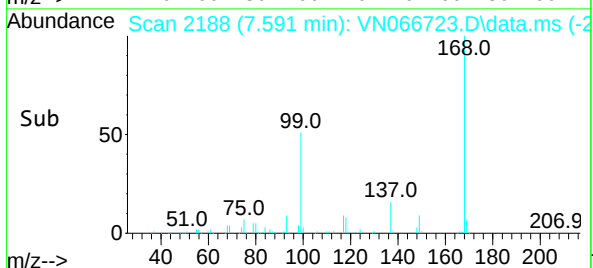
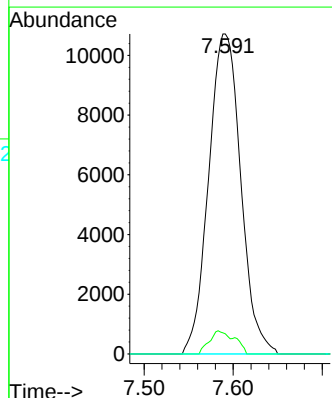
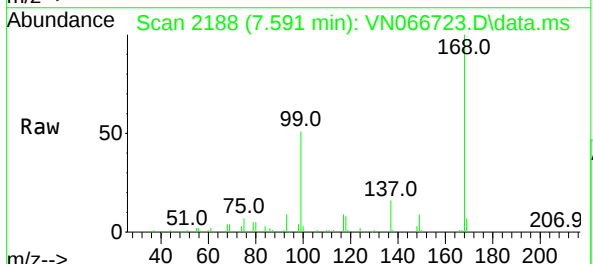
RT: 7.591 min Scan# 2188

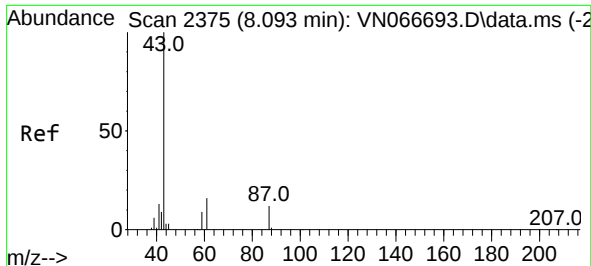
Delta R.T. -0.107 min

Lab File: VN066723.D

Acq: 22 Apr 2021 18:35

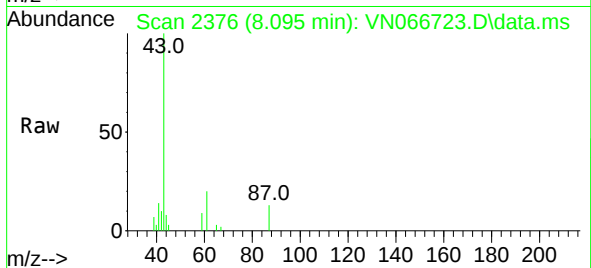
Tgt Ion:	117	Resp:	26860
Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.0	114.0#
121	0.0	24.5	36.7#



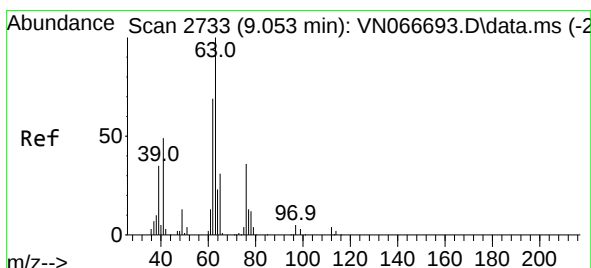
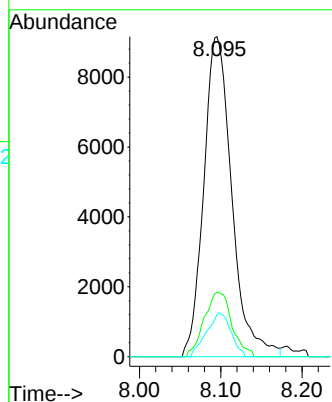
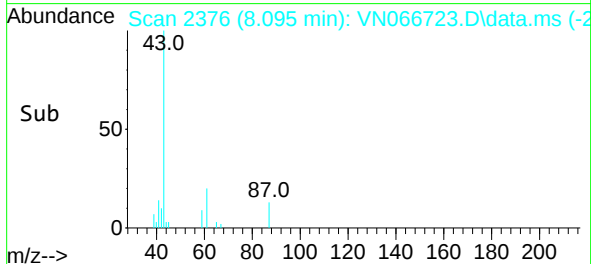


#43
Isopropyl Acetate
Concen: 2.99 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.002 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

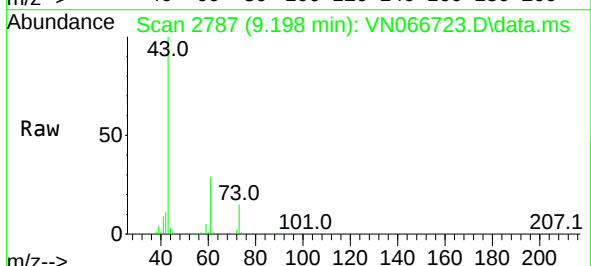
Instrument :
MSVOA_N
ClientSampled :



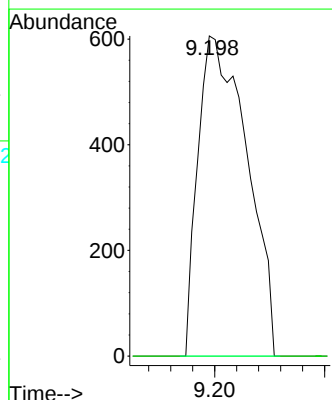
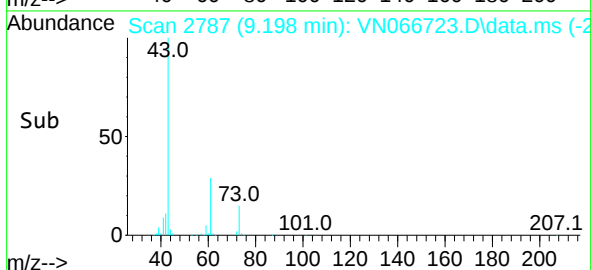
Tgt Ion: 43 Resp: 21961
Ion Ratio Lower Upper
43 100
61 19.8 22.5 33.7#
87 11.9 11.1 16.7

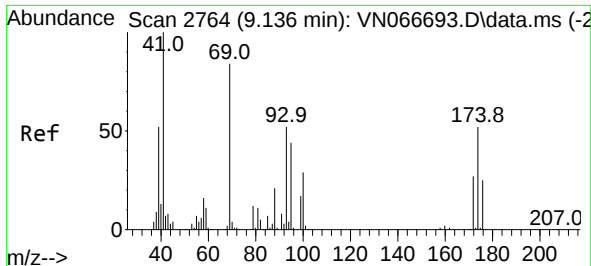


#45
1,2-Dichloropropane
Concen: 0.24 ug/l
RT: 9.198 min Scan# 2787
Delta R.T. 0.145 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35



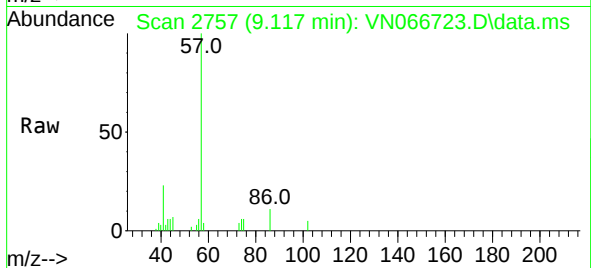
Tgt Ion: 63 Resp: 937
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



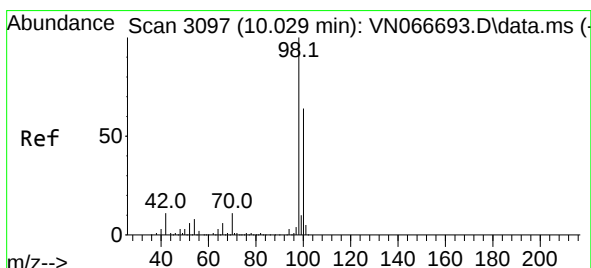
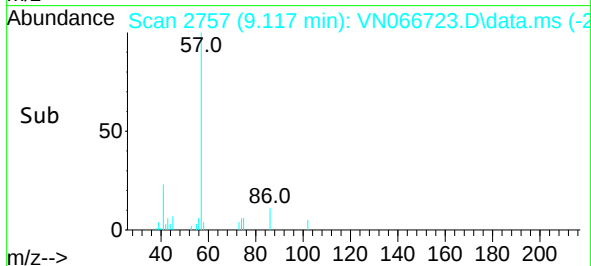
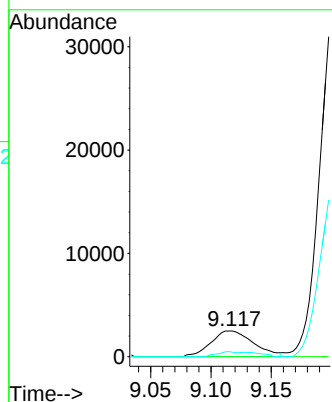


#48
Methyl methacrylate
Concen: 1.88 ug/l
RT: 9.117 min Scan# 2757
Delta R.T. -0.019 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

Instrument :
MSVOA_N
ClientSampled :

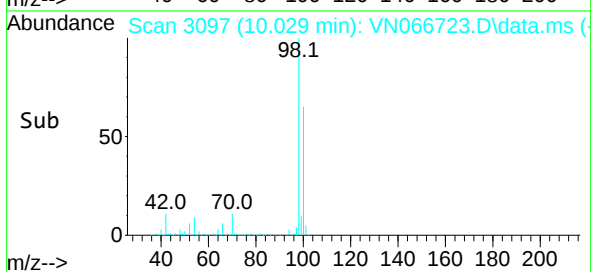
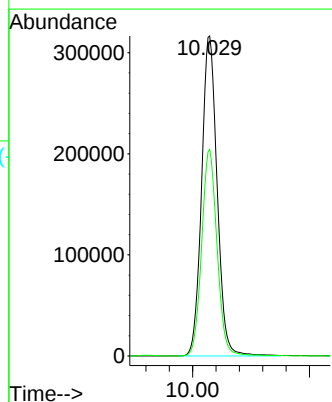
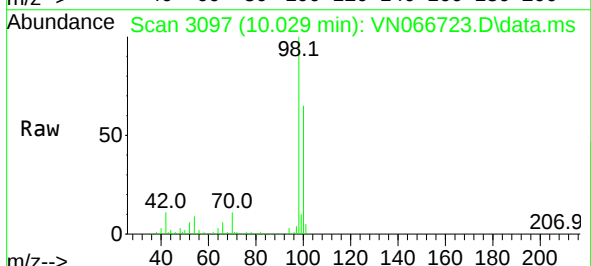


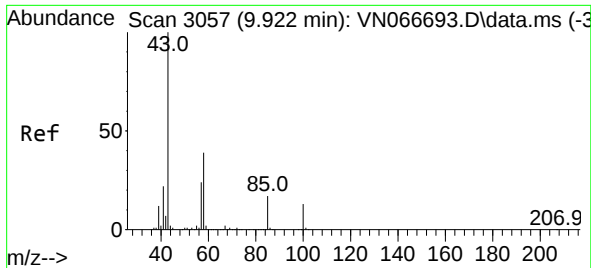
Tgt Ion: 41 Resp: 6064
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 50.77 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. 0.000 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

Tgt Ion: 98 Resp: 584612
Ion Ratio Lower Upper
98 100
100 63.8 50.5 75.7

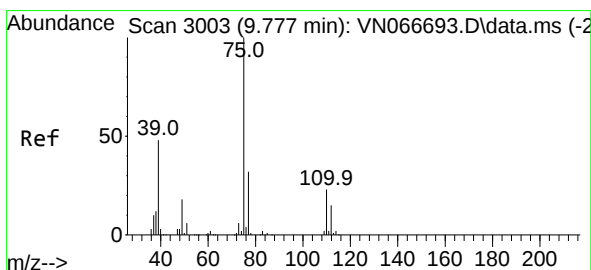
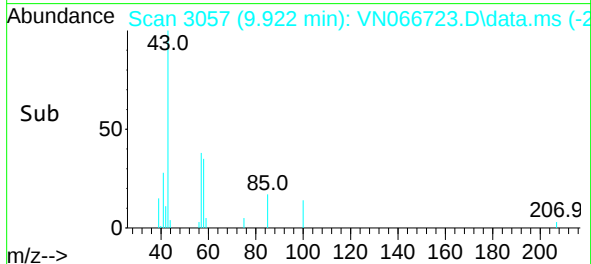
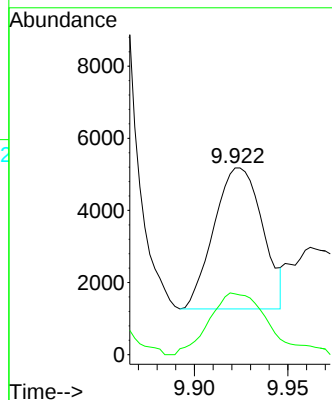
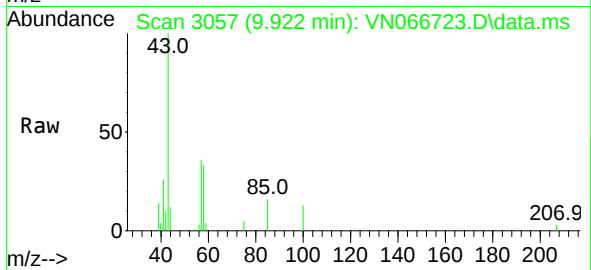




#51
4-Methyl-2-Pentanone
Concen: 1.72 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

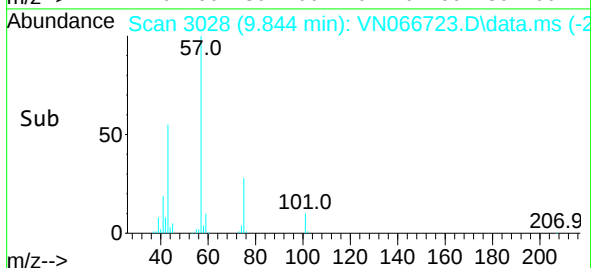
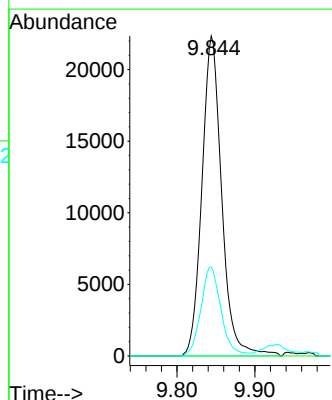
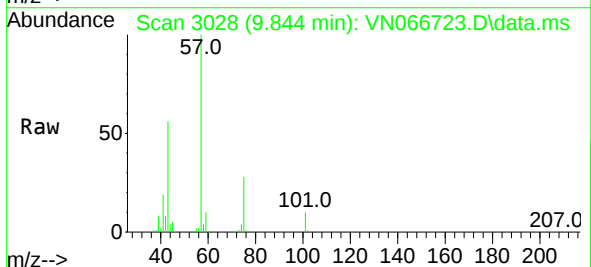
Instrument :
MSVOA_N
ClientSampled :

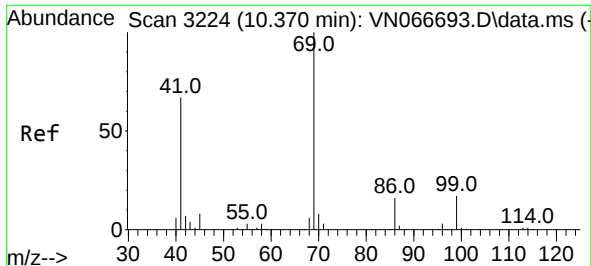
Tgt Ion: 43 Resp: 7080
Ion Ratio Lower Upper
43 100
58 53.5 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 6.96 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

Tgt Ion: 75 Resp: 39436
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 27.8 36.2 54.4#

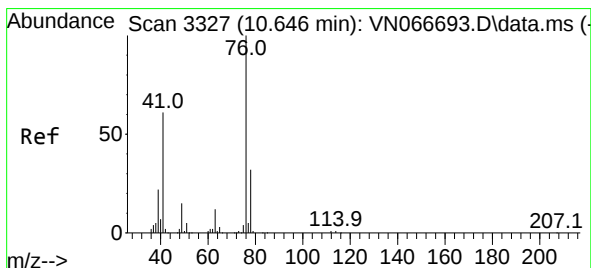
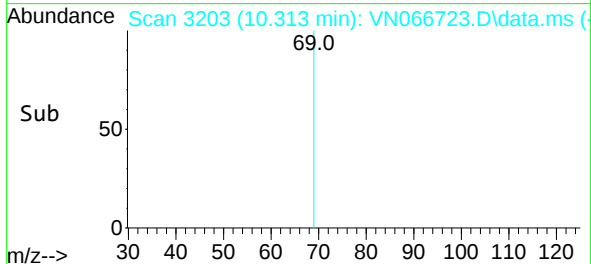
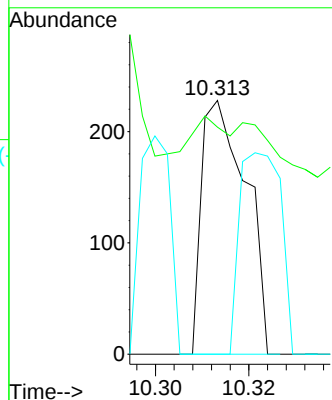
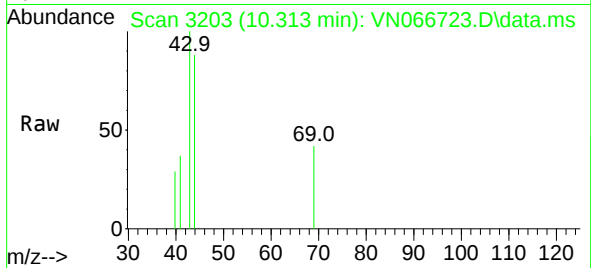




#56
Ethyl methacrylate
Concen: 3.18 ug/l
RT: 10.313 min Scan# 3203
Delta R.T. -0.057 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

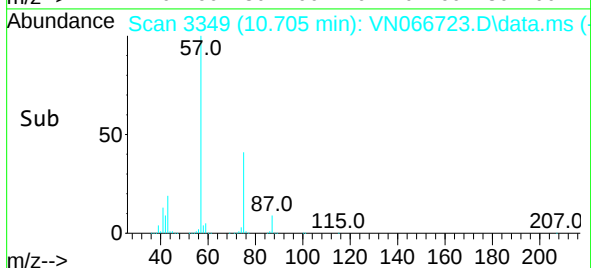
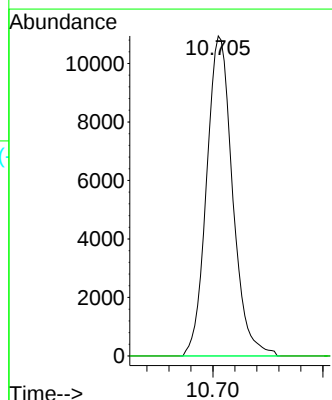
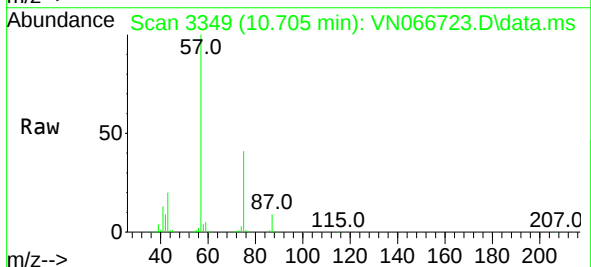
Instrument :
MSVOA_N
ClientSampleId :

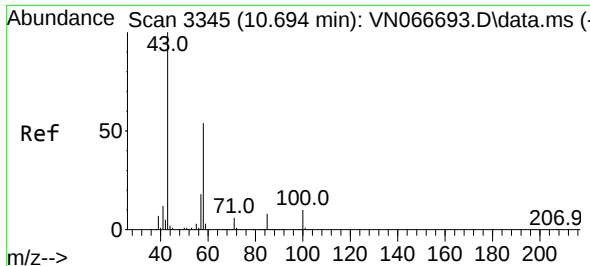
Tgt Ion: 69 Resp: 150
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 3.25 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

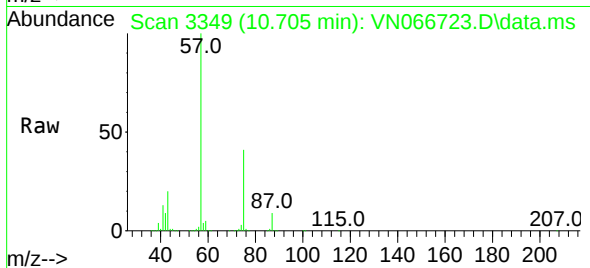
Tgt Ion: 76 Resp: 17951
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



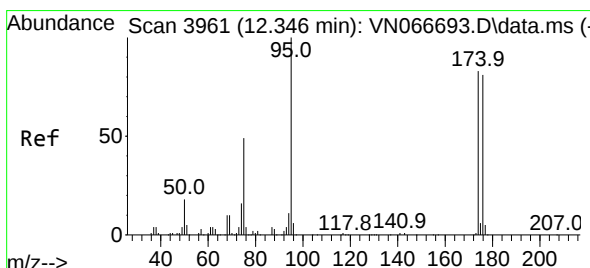
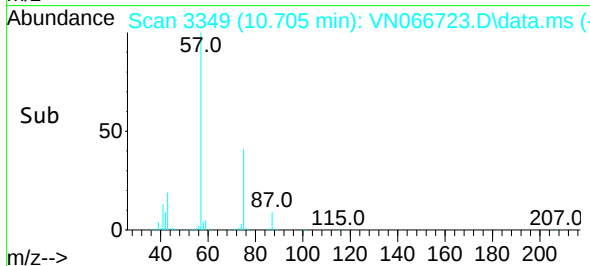
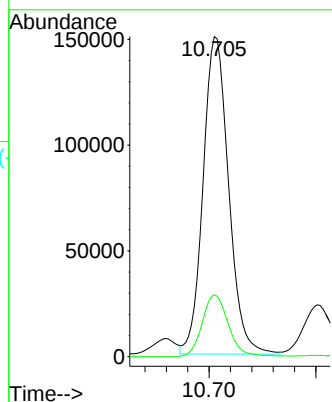


#59
2-Hexanone
Concen: 92.04 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.011 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

Instrument :
MSVOA_N
ClientSampled :

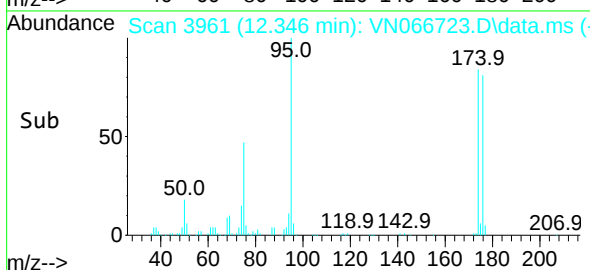
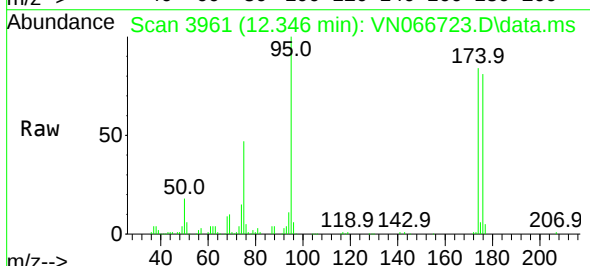
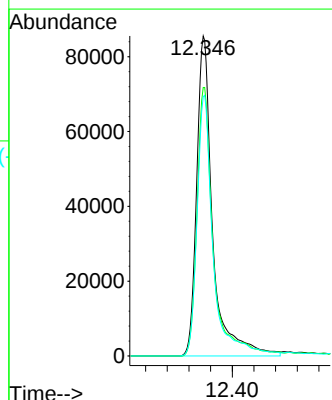


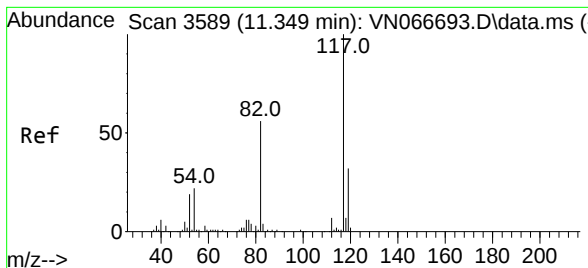
Tgt Ion: 43 Resp: 249399
Ion Ratio Lower Upper
43 100
58 20.1 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 44.52 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

Tgt Ion: 95 Resp: 175582
Ion Ratio Lower Upper
95 100
174 84.9 0.0 169.0
176 82.0 0.0 162.4

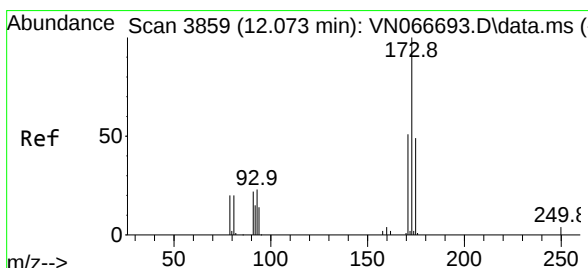
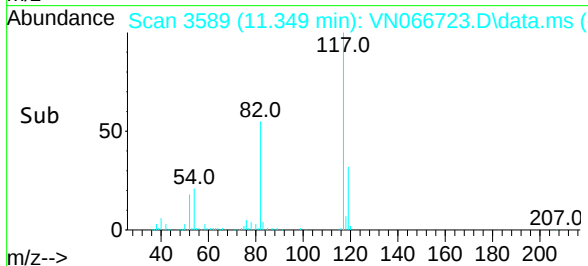
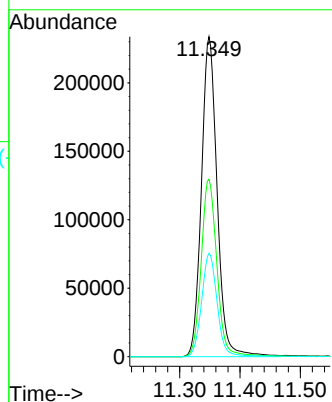
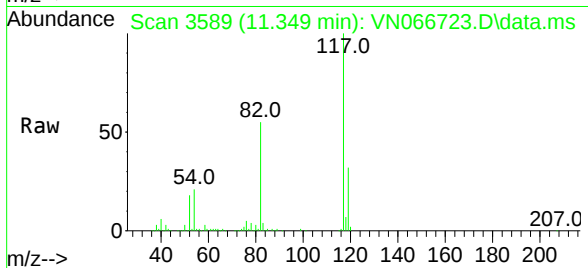




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. -0.000 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

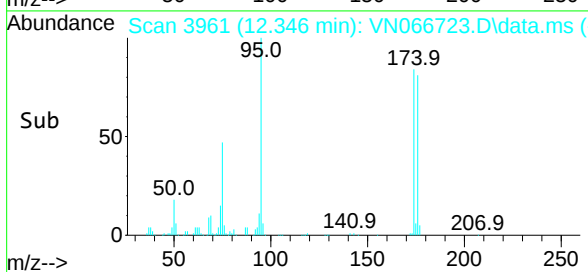
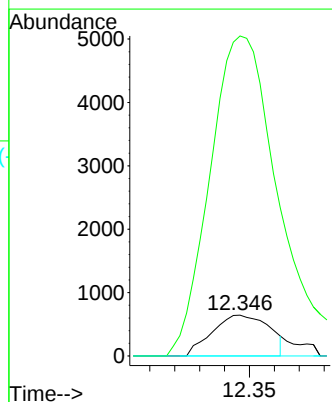
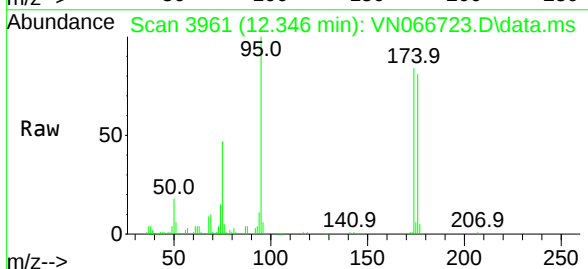
Instrument :
MSVOA_N
ClientSampled :

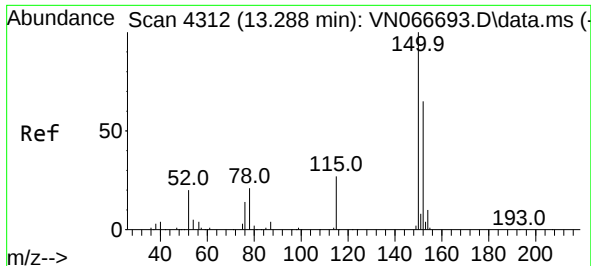
Tgt Ion:117 Resp: 422955
Ion Ratio Lower Upper
117 100
82 55.5 43.7 65.5
119 32.3 26.1 39.1



#71
Bromoform
Concen: 0.43 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.273 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

Tgt Ion:173 Resp: 1028
Ion Ratio Lower Upper
173 100
175 807.1 23.8 71.2#
254 0.0 0.0 0.0

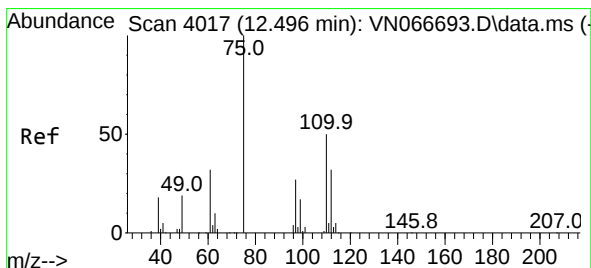
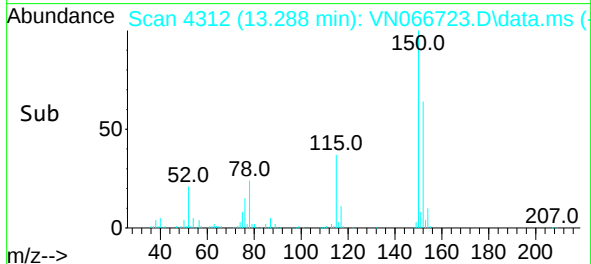
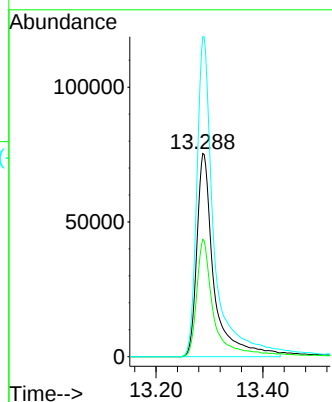
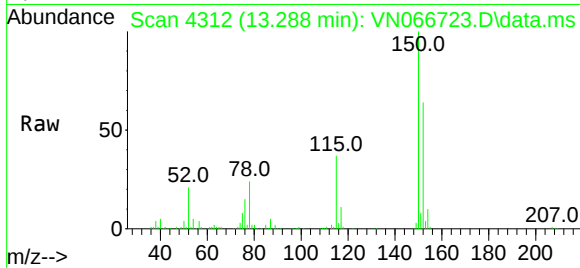




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.288 min Scan# 4312
Delta R.T. -0.000 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

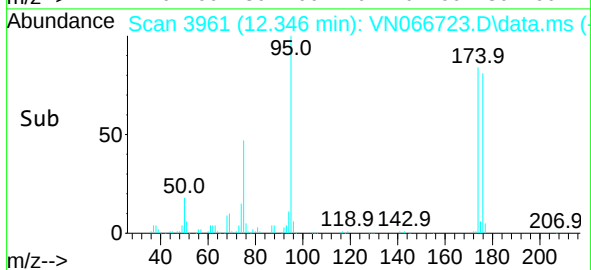
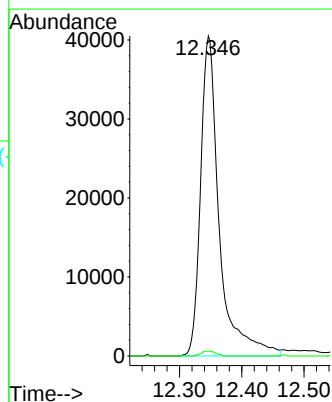
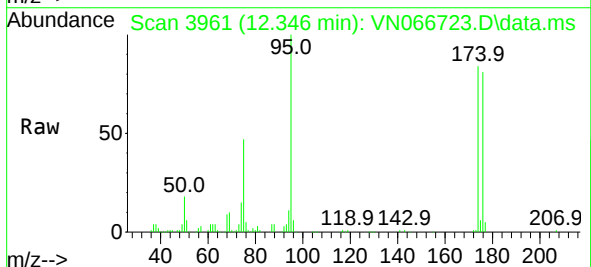
Instrument :
MSVOA_N
ClientSampled :

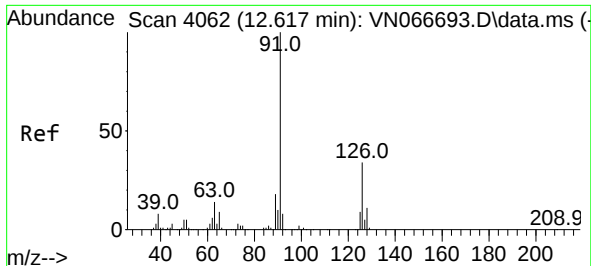
Tgt Ion:152 Resp: 168631
Ion Ratio Lower Upper
152 100
115 55.9 28.5 85.6
150 162.6 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 23.39 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

Tgt Ion: 75 Resp: 84396
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

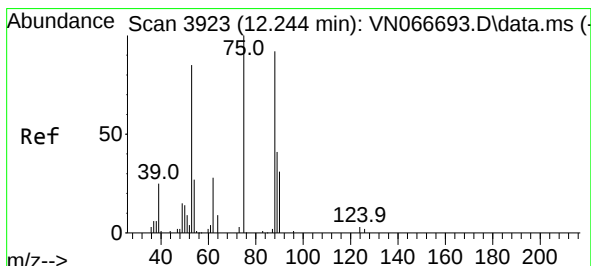
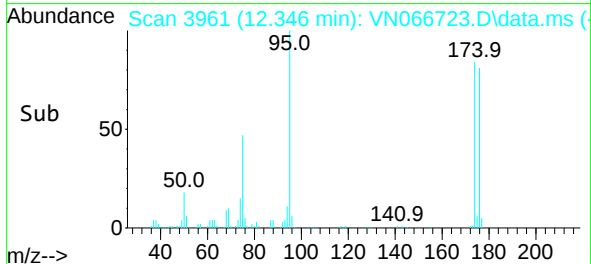
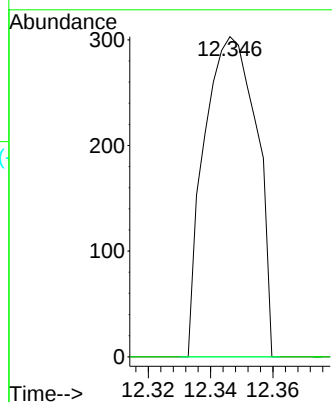
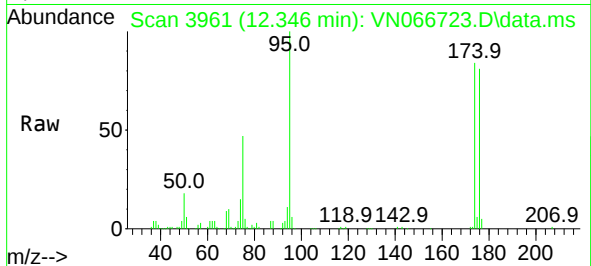




#79
2-Chlorotoluene
Concen: 0.97 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.271 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

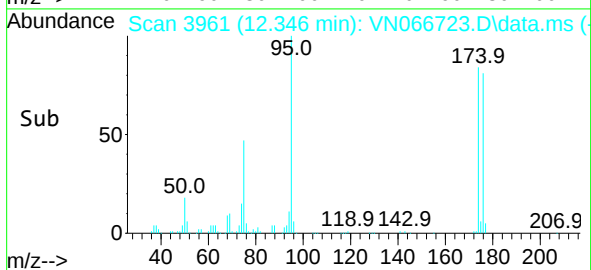
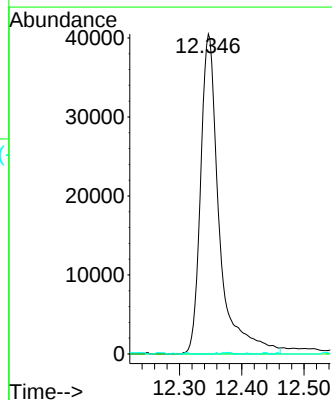
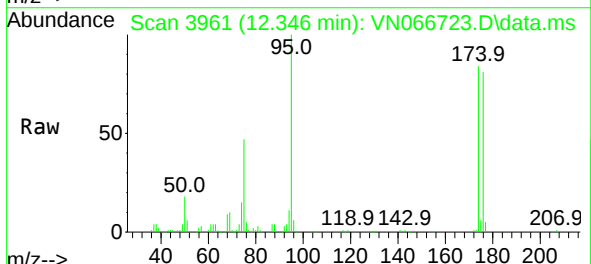
Instrument :
MSVOA_N
ClientSampled :

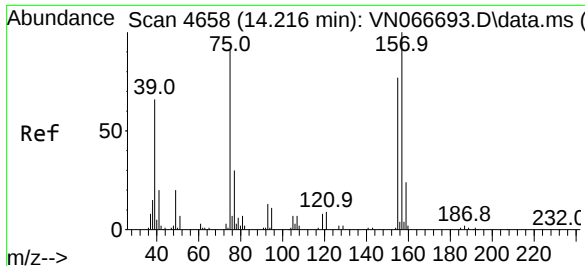
Tgt Ion: 91 Resp: 351
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.24 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

Tgt Ion: 75 Resp: 84396
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

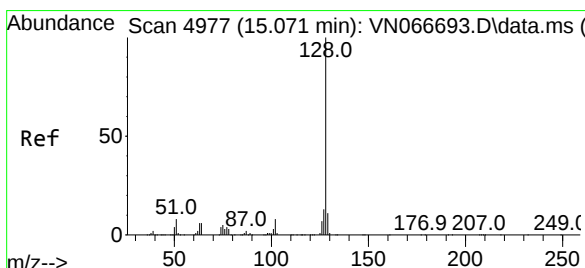
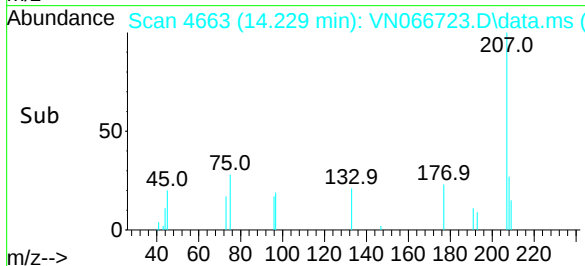
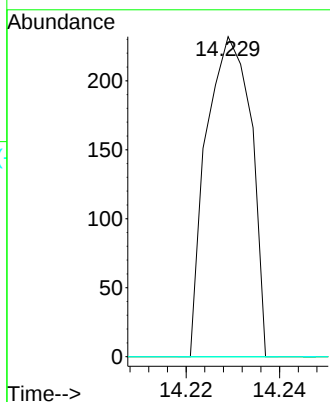
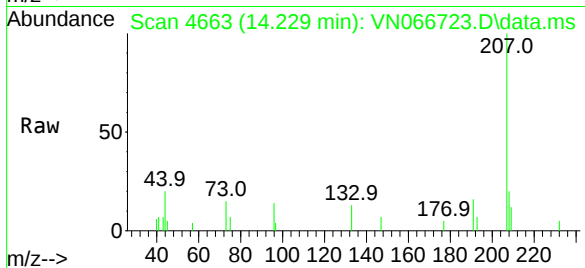




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.21 ug/l
RT: 14.229 min Scan# 4663
Delta R.T. 0.013 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

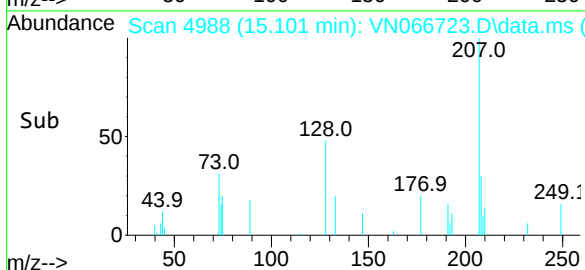
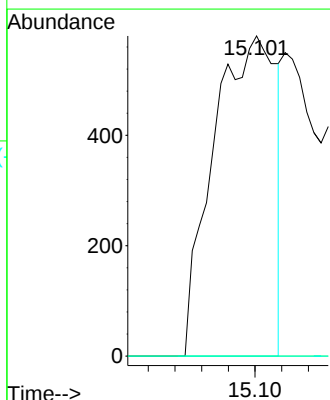
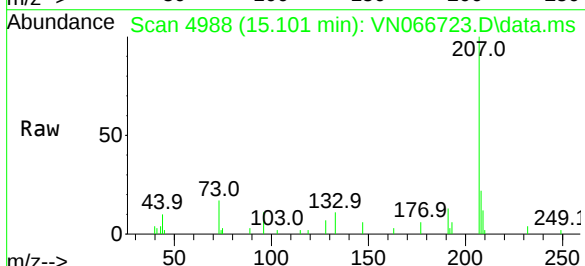
Instrument :
MSVOA_N
ClientSampleId :

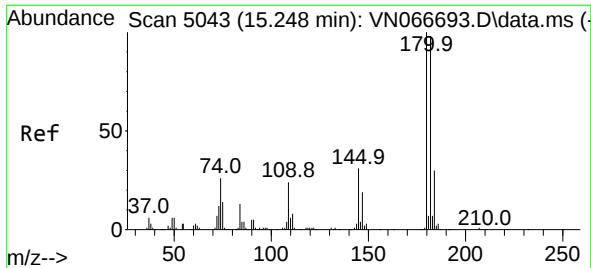
Tgt Ion: 75 Resp: 154
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#



#95
Naphthalene
Concen: 1.96 ug/l
RT: 15.101 min Scan# 4988
Delta R.T. 0.030 min
Lab File: VN066723.D
Acq: 22 Apr 2021 18:35

Tgt Ion: 128 Resp: 945
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.41 ug/l
 RT: 15.267 min Scan# 5050
 Delta R.T. 0.019 min
 Lab File: VN066723.D
 Acq: 22 Apr 2021 18:35

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.4	142.3#
145	0.0	16.5	49.5#

