

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
 Data File : VN066412.D
 Acq On : 30 Mar 2021 5:52
 Operator : JC/MD
 Sample : M1832-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IG003

Quant Time: Mar 30 07:11:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 26 16:26:01 2021
 Response via : Initial Calibration

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

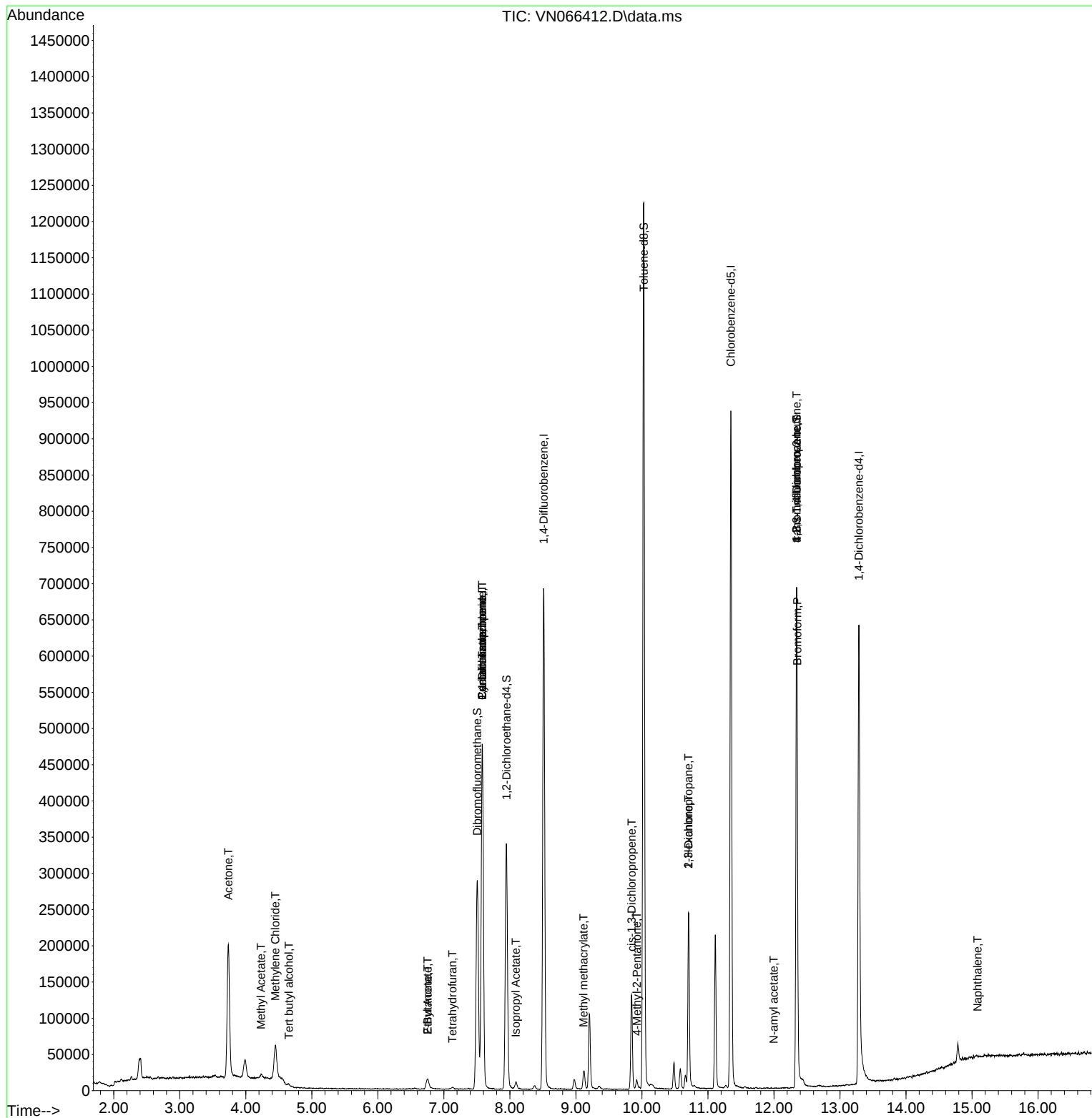
Internal Standards						
1) Pentafluorobenzene	7.582	168	397435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.513	114	611372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	531960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	196271	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	285685	54.07	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.14%			
35) Dibromofluoromethane	7.507	113	219494	54.16	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.32%			
50) Toluene-d8	10.028	98	824214	53.61	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.22%			
62) 4-Bromofluorobenzene	12.345	95	241027	45.14	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.28%			
Target Compounds						Qvalue
3) Chloromethane	2.014	50	2686	Below Cal		90
11) Tert butyl alcohol	4.653	59	3379	4.19 ug/l #		94
13) Acrolein	3.527	56	4378	Below Cal #		32
16) Acetone	3.736	43	306553	107.39 ug/l		100
18) Methyl Acetate	4.232	43	10406	1.40 ug/l		94
20) Methylene Chloride	4.447	84	31742	5.12 ug/l		91
25) 2-Butanone	6.756	43	15917	5.10 ug/l		98
29) Tetrahydrofuran	7.131	42	1351	0.66 ug/l #		76
31) Cyclohexane	7.582	56	8356	1.14 ug/l #		1
36) 1,1-Dichloropropene	7.582	75	29532	5.14 ug/l #		44
37) Ethyl Acetate	6.756	43	15917	2.52 ug/l #		69
38) Carbon Tetrachloride	7.582	117	35931	6.22 ug/l #		18
43) Isopropyl Acetate	8.091	43	12033	1.11 ug/l #		96
48) Methyl methacrylate	9.116	41	4986	0.97 ug/l #		26
51) 4-Methyl-2-Pentanone	9.923	43	7127	1.13 ug/l		91
54) cis-1,3-Dichloropropene	9.845	75	22551	3.09 ug/l #		62
57) 1,3-Dichloropropane	10.706	76	2473	0.35 ug/l #		42
59) 2-Hexanone	10.706	43	33466	7.56 ug/l #		55
71) Bromoform	12.353	173	1996	0.59 ug/l #		1
74) N-amyl acetate	11.999	43	175	3.22 ug/l #		45
76) 1,2,3-Trichloropropane	12.345	75	121425	28.19 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.345	75	121425	84.79 ug/l #		12
95) Naphthalene	15.083	128	450	1.08 ug/l #		69

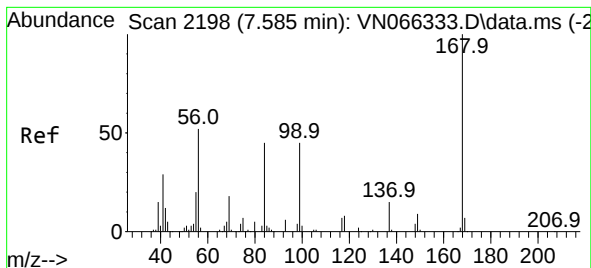
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
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Quant Time: Mar 30 07:11:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 26 16:26:01 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.582 min Scan# 2197

Delta R.T. -0.003 min

Lab File: VN066412.D

Acq: 30 Mar 2021 5:52

Tgt Ion:168 Resp: 397435

Ion Ratio Lower Upper

168 100

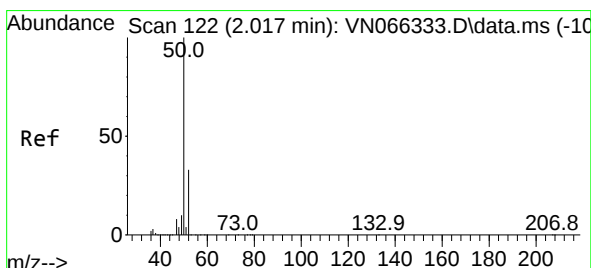
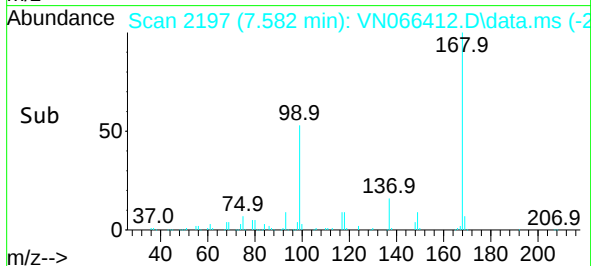
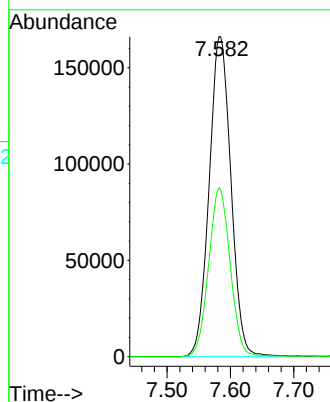
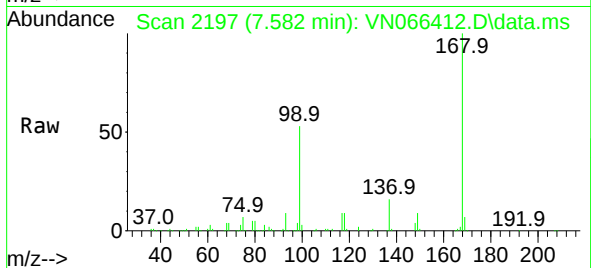
99 52.8 41.1 61.7

Instrument :

MSVOA_N

ClientSampleId :

IG003



#3

Chloromethane

Concen: Below Cal

RT: 2.014 min Scan# 121

Delta R.T. -0.003 min

Lab File: VN066412.D

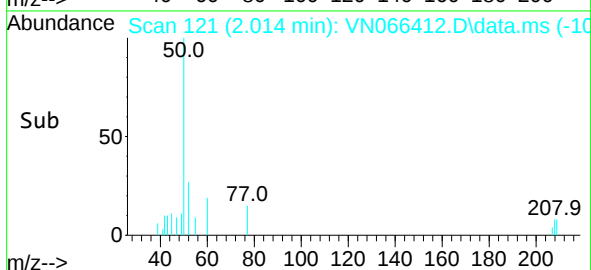
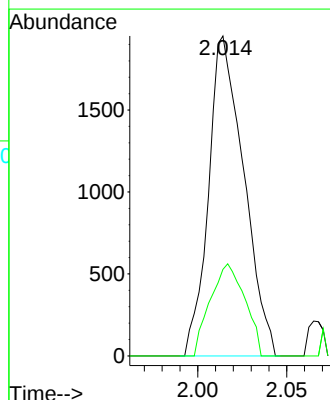
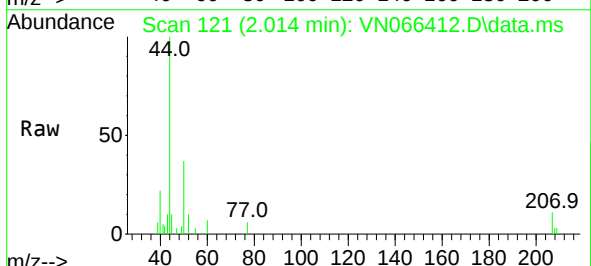
Acq: 30 Mar 2021 5:52

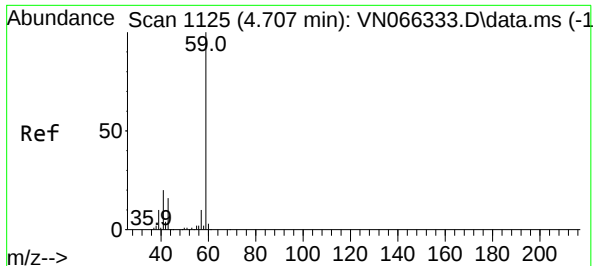
Tgt Ion: 50 Resp: 2686

Ion Ratio Lower Upper

50 100

52 27.0 26.2 39.2



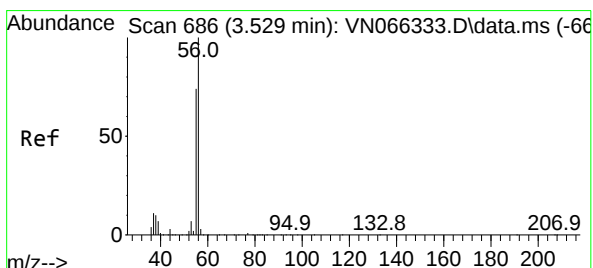
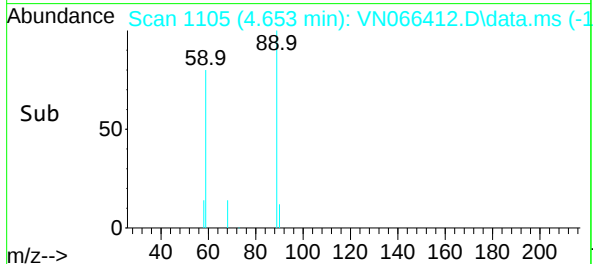
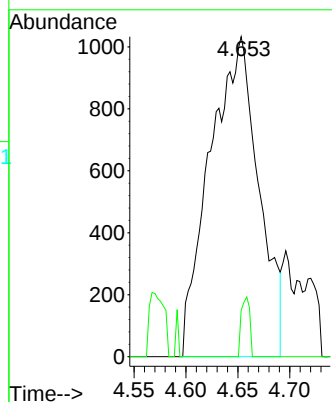
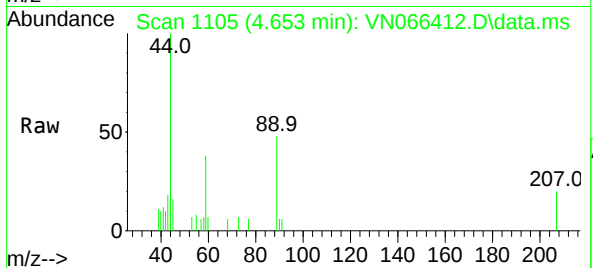


#11

Tert butyl alcohol
Concen: 4.19 ug/l
RT: 4.653 min Scan# 1105
Delta R.T. -0.054 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

Instrument :
MSVOA_N
ClientSampled :
IG003

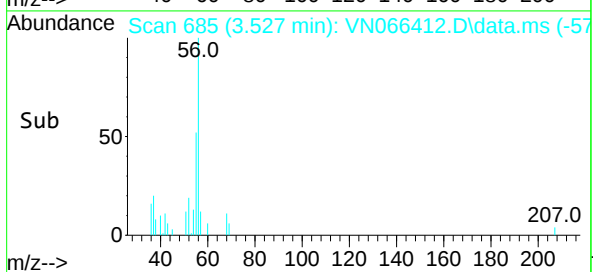
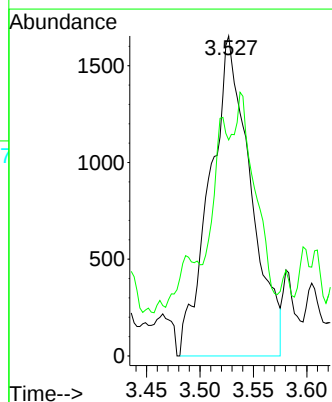
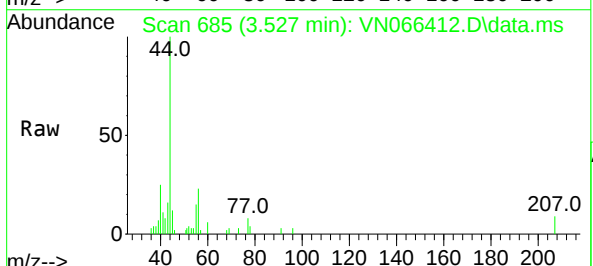
Tgt Ion: 59 Resp: 3379
Ion Ratio Lower Upper
59 100
57 3.2 4.1 6.1#

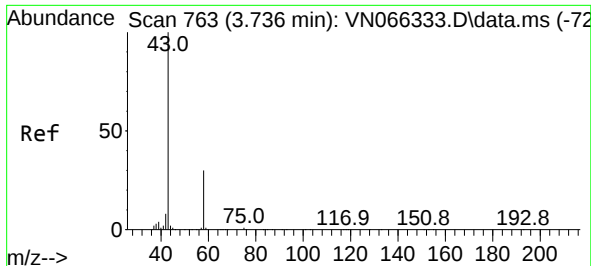


#13

Acrolein
Concen: Below Cal
RT: 3.527 min Scan# 685
Delta R.T. -0.002 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

Tgt Ion: 56 Resp: 4378
Ion Ratio Lower Upper
56 100
55 15.3 57.9 86.9#

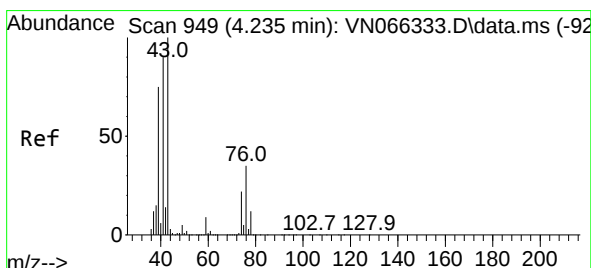
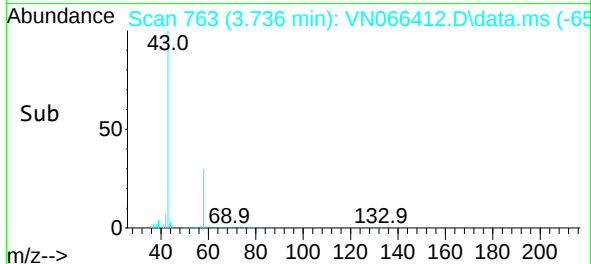
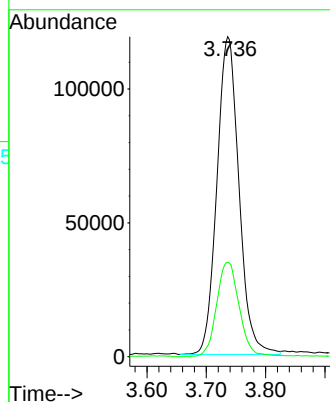
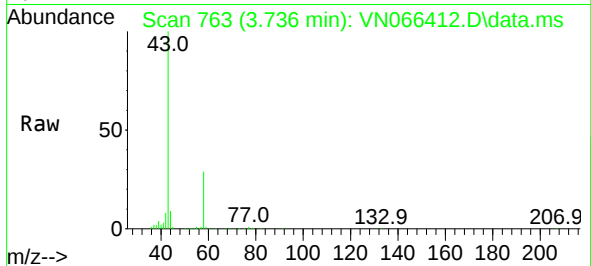




#16
Acetone
Concen: 107.39 ug/l
RT: 3.736 min Scan# 763
Delta R.T. 0.000 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

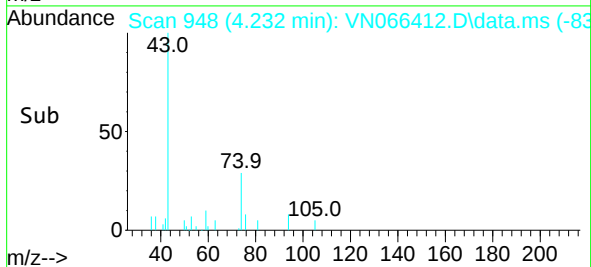
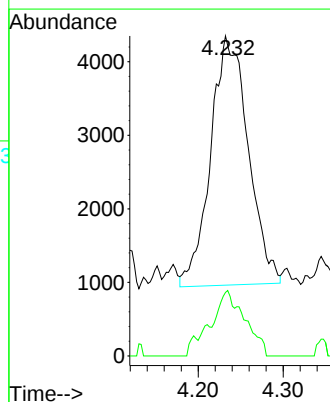
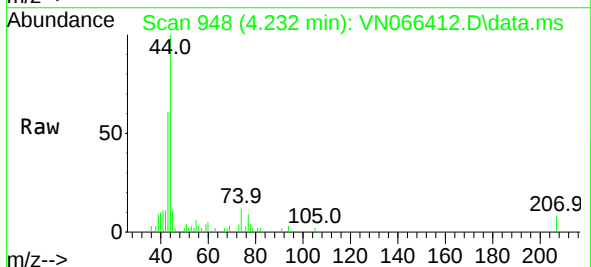
Instrument :
MSVOA_N
ClientSampled :
IG003

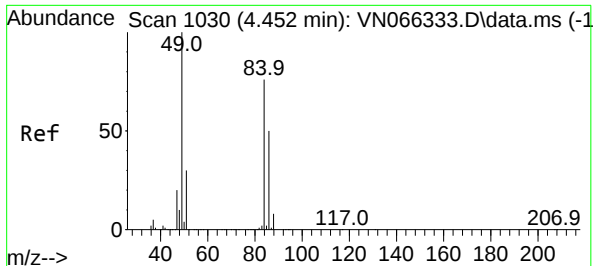
Tgt Ion: 43 Resp: 306553
Ion Ratio Lower Upper
43 100
58 29.6 23.8 35.8



#18
Methyl Acetate
Concen: 1.40 ug/l
RT: 4.232 min Scan# 948
Delta R.T. -0.003 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

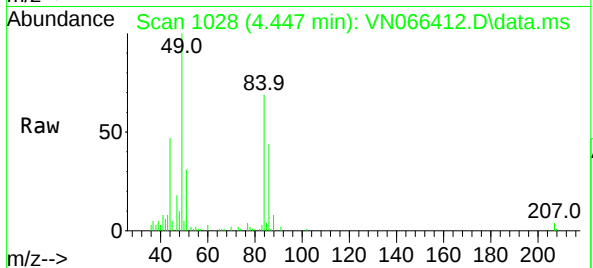
Tgt Ion: 43 Resp: 10406
Ion Ratio Lower Upper
43 100
74 19.0 17.6 26.4



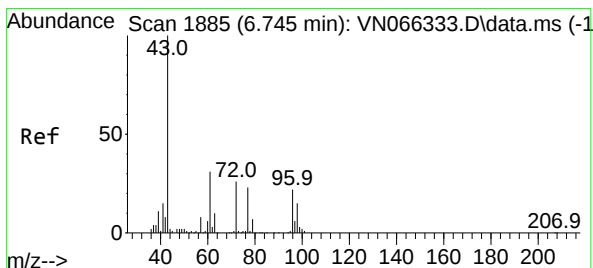
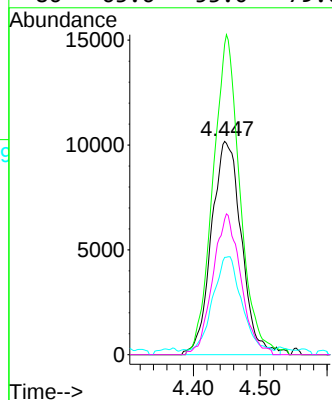
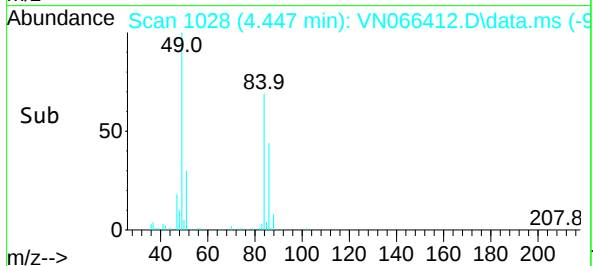


#20
Methylene Chloride
Concen: 5.12 ug/l
RT: 4.447 min Scan# 1028
Delta R.T. -0.005 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

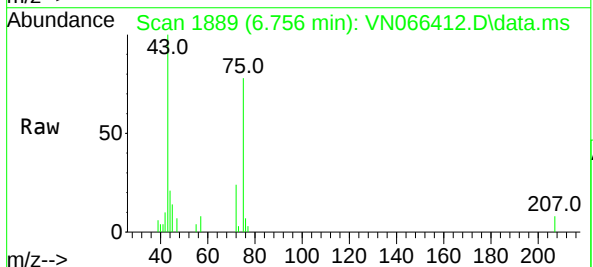
Instrument :
MSVOA_N
ClientSampled :
IG003



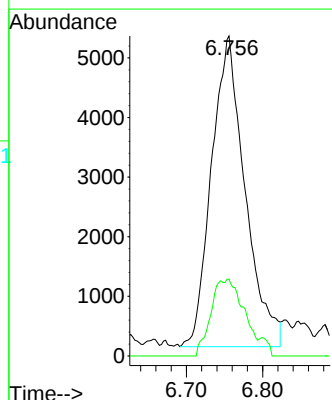
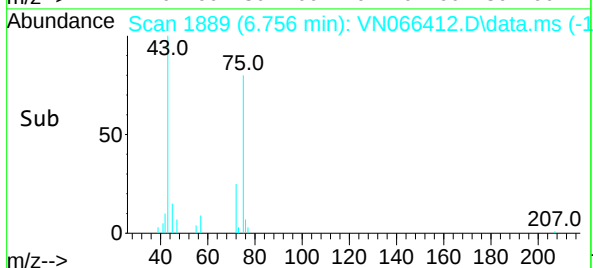
Tgt Ion:	84	Resp:	31742
Ion	Ratio	Lower	Upper
84	100		
49	145.6	105.0	157.6
51	43.8	31.6	47.4
86	63.6	53.0	79.6

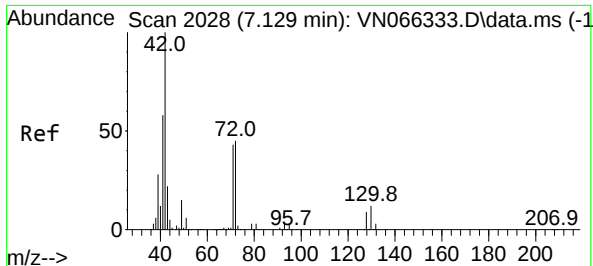


#25
2-Butanone
Concen: 5.10 ug/l
RT: 6.756 min Scan# 1889
Delta R.T. 0.011 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52



Tgt Ion:	43	Resp:	15917
Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.7	31.1





#29

Tetrahydrofuran

Concen: 0.66 ug/l

RT: 7.131 min Scan# 2029

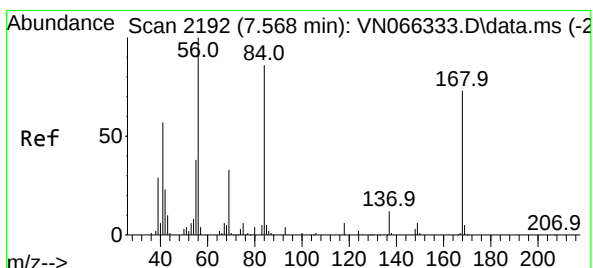
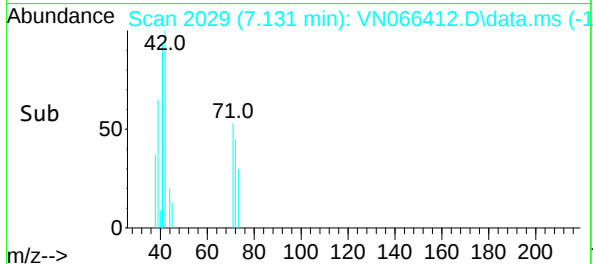
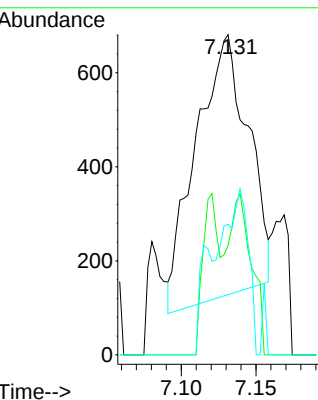
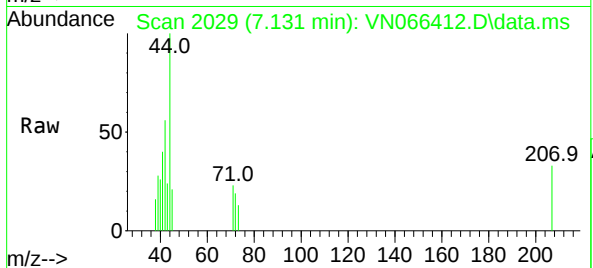
Delta R.T. 0.003 min

Lab File: VN066412.D

Acq: 30 Mar 2021 5:52

Instrument :
MSVOA_N
ClientSampled :
IG003

Tgt Ion: 42	Resp: 1351
Ion Ratio	Lower Upper
42	100
72	26.1 35.2 52.8#
71	29.0 33.1 49.7#



#31

Cyclohexane

Concen: 1.14 ug/l

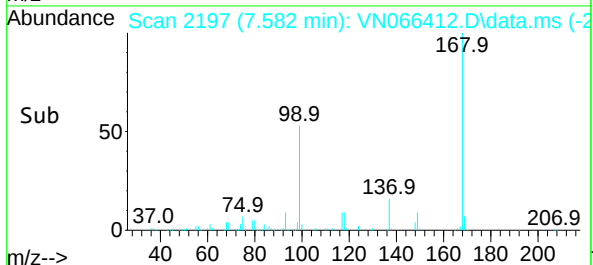
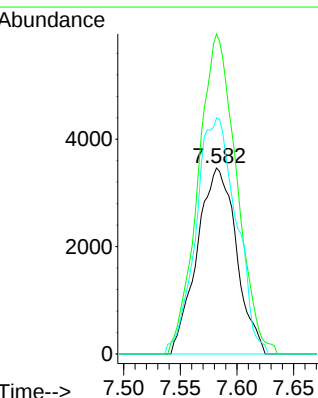
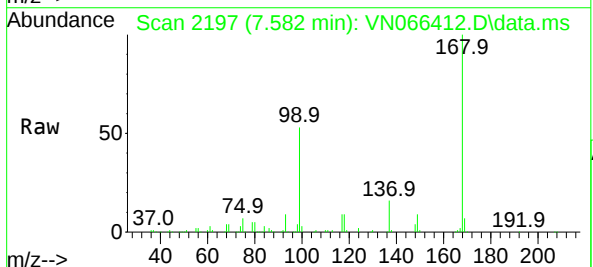
RT: 7.582 min Scan# 2197

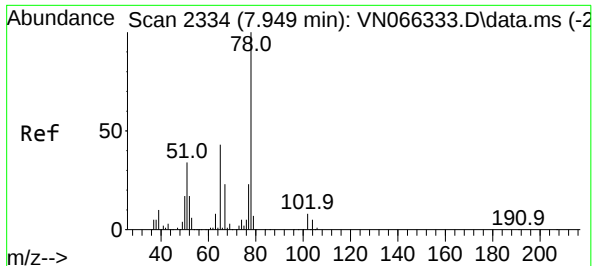
Delta R.T. 0.013 min

Lab File: VN066412.D

Acq: 30 Mar 2021 5:52

Tgt Ion: 56	Resp: 8356
Ion Ratio	Lower Upper
56	100
69	172.1 26.6 40.0#
84	126.9 68.7 103.1#

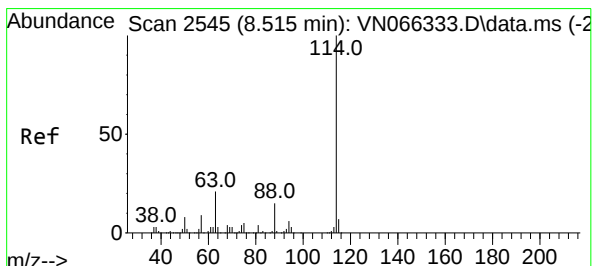
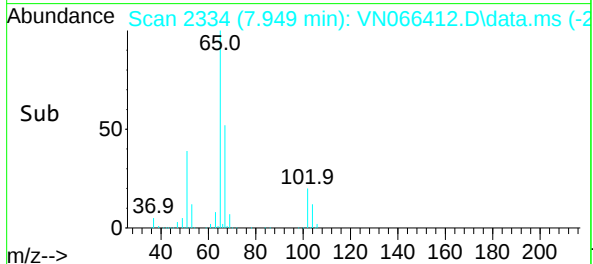
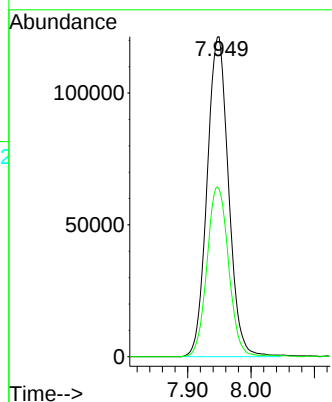
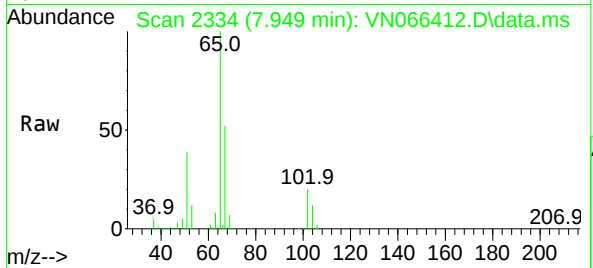




#33
 1,2-Dichloroethane-d4
 Concen: 54.07 ug/l
 RT: 7.949 min Scan# 2334
 Delta R.T. 0.000 min
 Lab File: VN066412.D
 Acq: 30 Mar 2021 5:52

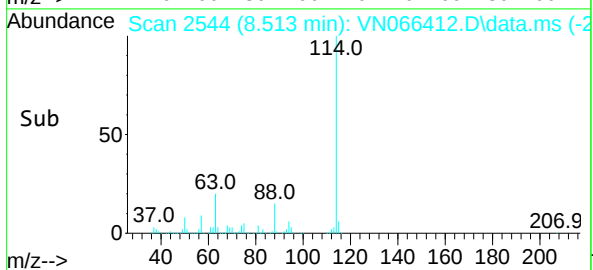
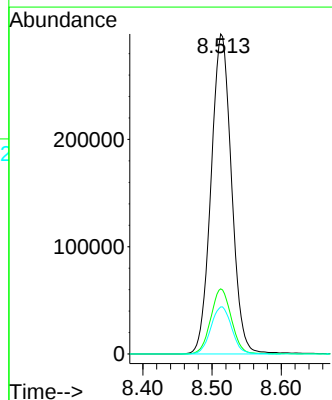
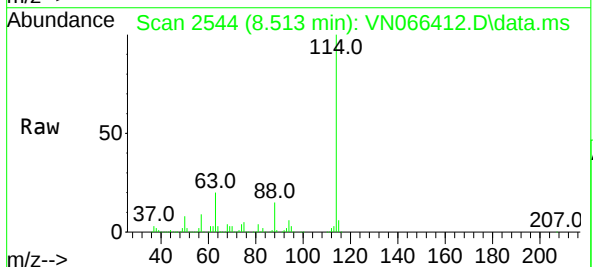
Instrument :
 MSVOA_N
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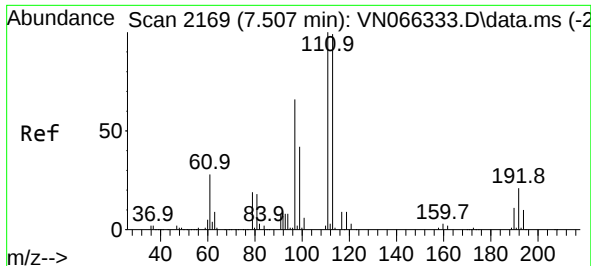
Tgt Ion: 65 Resp: 285685
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.513 min Scan# 2544
 Delta R.T. -0.002 min
 Lab File: VN066412.D
 Acq: 30 Mar 2021 5:52

Tgt Ion: 114 Resp: 611372
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.0
 88 14.7 0.0 31.0

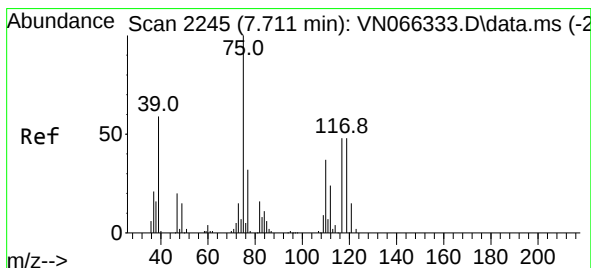
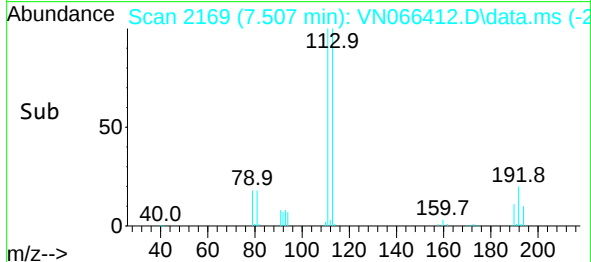
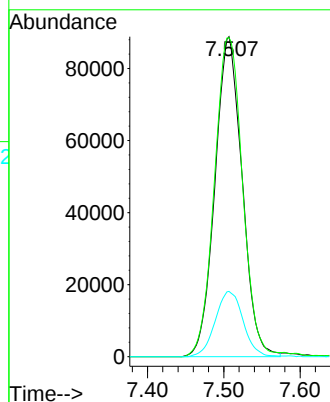
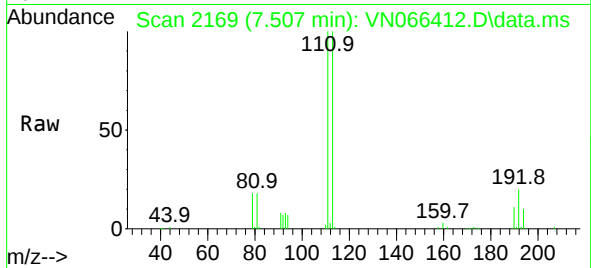




#35
Dibromofluoromethane
Concen: 54.16 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

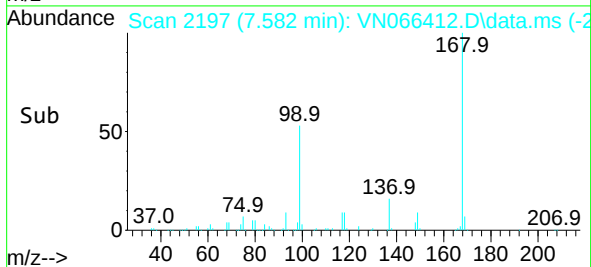
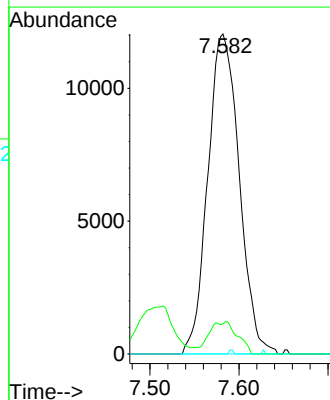
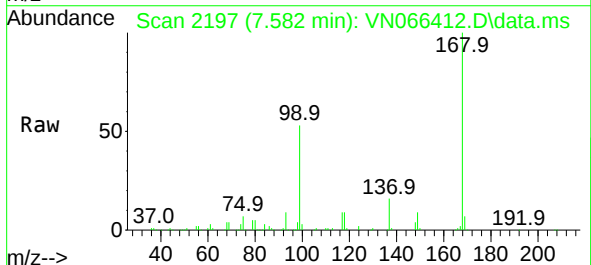
Instrument :
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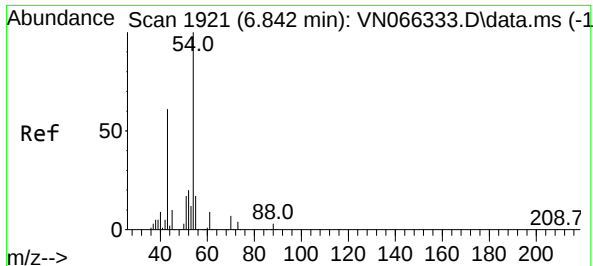
Tgt Ion:	113	Resp:	219494
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	21.0	17.1	25.7



#36
1,1-Dichloropropene
Concen: 5.14 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.129 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

Tgt Ion:	75	Resp:	29532
Ion	Ratio	Lower	Upper
75	100		
110	2.8	18.1	54.3#
77	0.2	25.0	37.4#





#37

Ethyl Acetate

Concen: 2.52 ug/l

RT: 6.756 min Scan# 1889

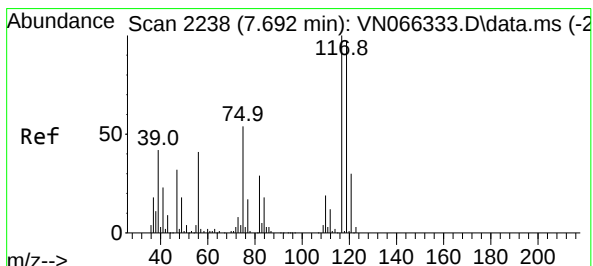
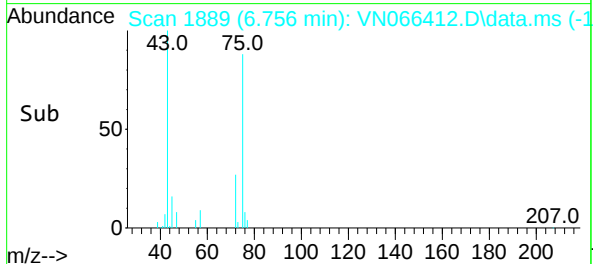
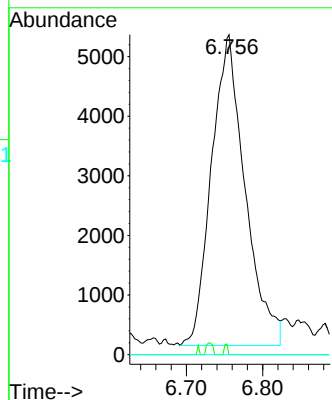
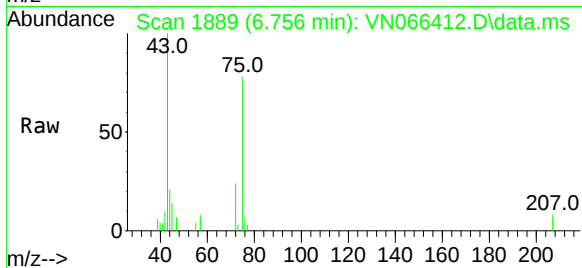
Delta R.T. -0.086 min

Lab File: VN066412.D

Acq: 30 Mar 2021 5:52

Instrument :
MSVOA_N
ClientSampled :
IG003

Tgt Ion:	43	Resp:	15917
Ion	Ratio	Lower	Upper
43	100		
61	0.4	11.1	16.7#
70	0.0	8.0	12.0#



#38

Carbon Tetrachloride

Concen: 6.22 ug/l

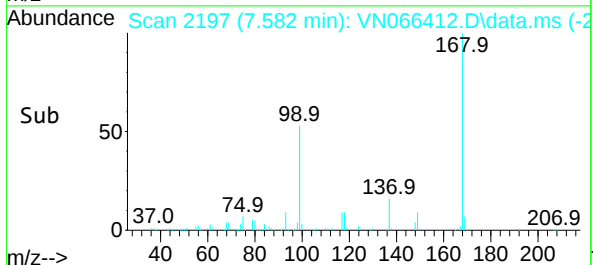
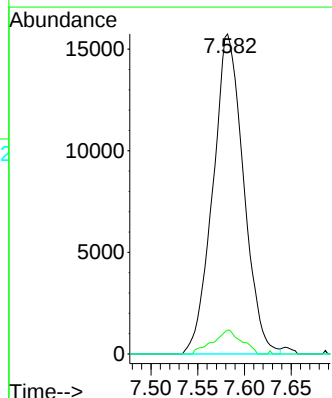
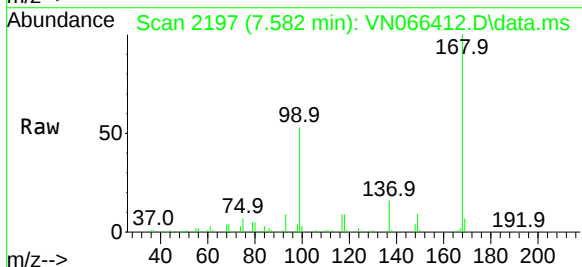
RT: 7.582 min Scan# 2197

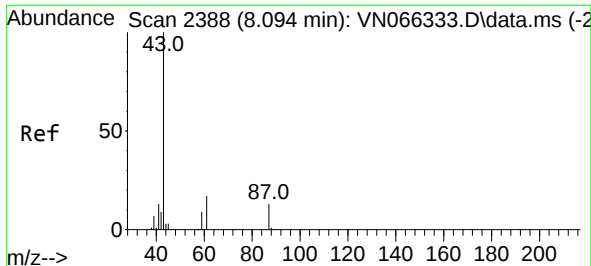
Delta R.T. -0.110 min

Lab File: VN066412.D

Acq: 30 Mar 2021 5:52

Tgt Ion:	117	Resp:	35931
Ion	Ratio	Lower	Upper
117	100		
119	7.5	77.2	115.8#
121	0.0	24.2	36.4#

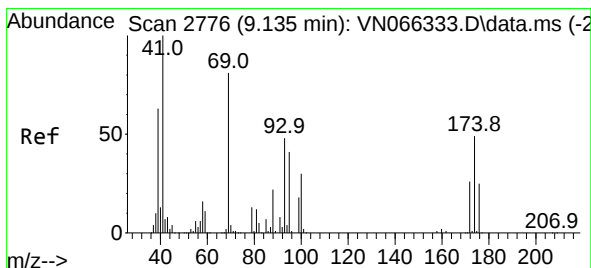
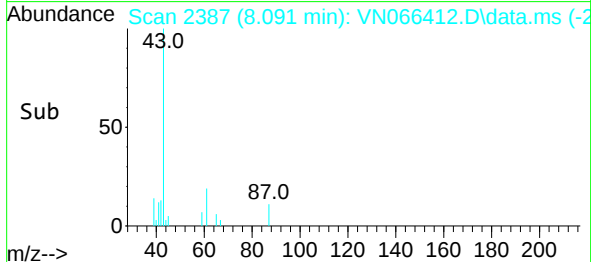
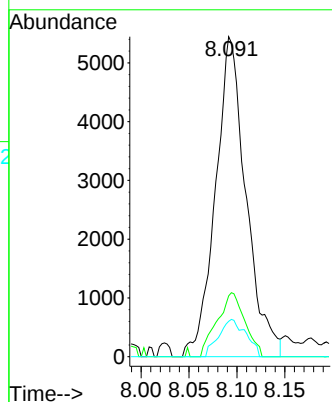
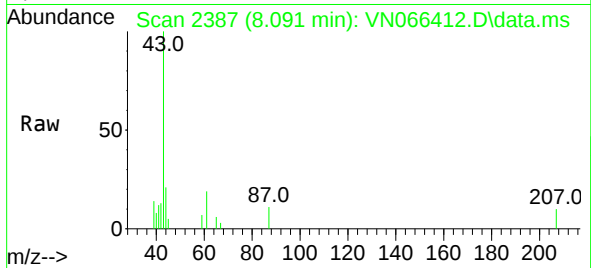




#43
Isopropyl Acetate
Concen: 1.11 ug/l
RT: 8.091 min Scan# 2387
Delta R.T. -0.003 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

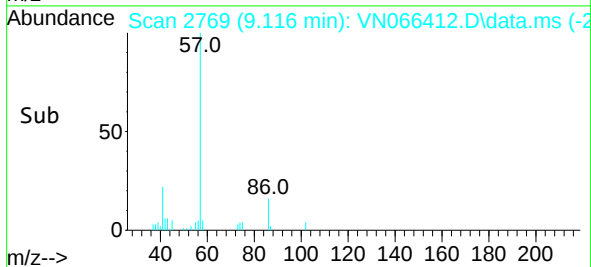
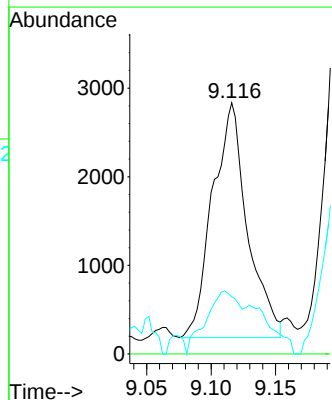
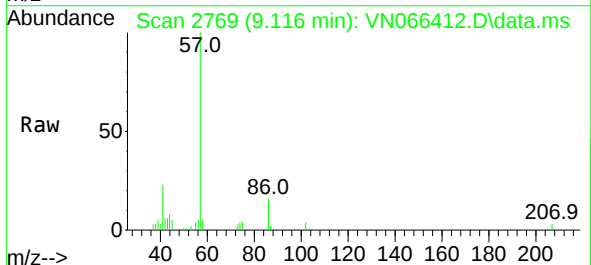
Instrument :
MSVOA_N
ClientSampled :
IG003

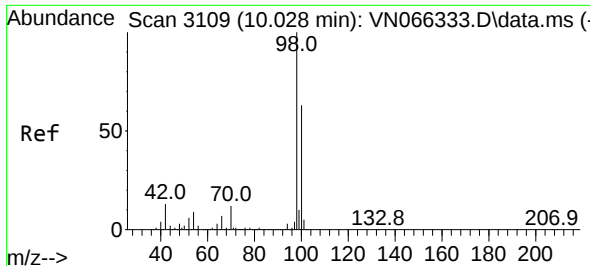
Tgt Ion:	43	Resp:	12033
Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.5	23.3
87	10.4	10.5	15.7#



#48
Methyl methacrylate
Concen: 0.97 ug/l
RT: 9.116 min Scan# 2769
Delta R.T. -0.019 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

Tgt Ion:	41	Resp:	4986
Ion	Ratio	Lower	Upper
41	100		
69	0.0	66.2	99.4#
39	25.3	51.5	77.3#

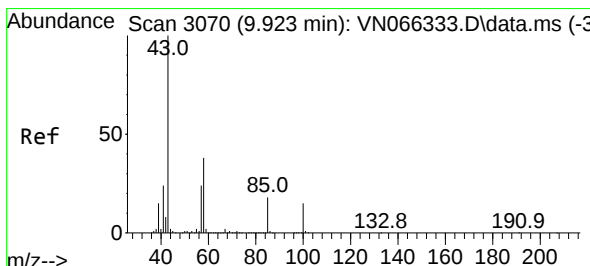
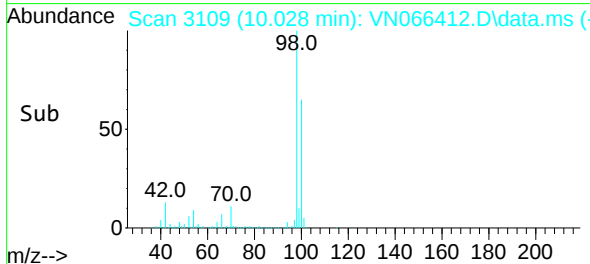
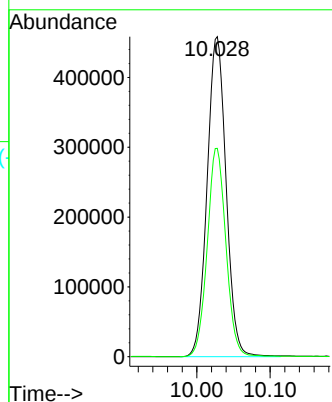
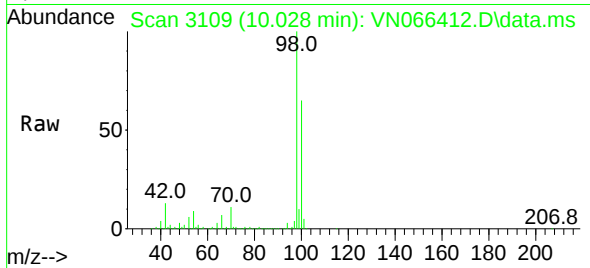




#50
Toluene-d8
Concen: 53.61 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

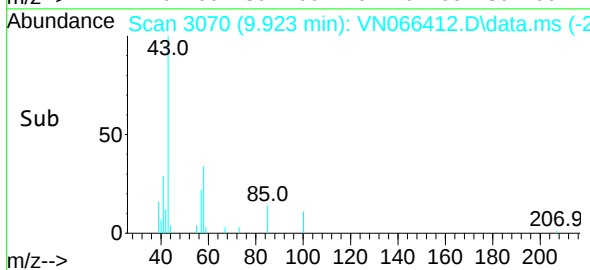
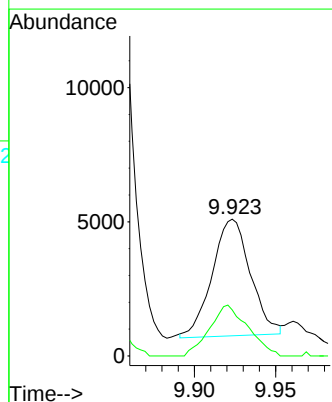
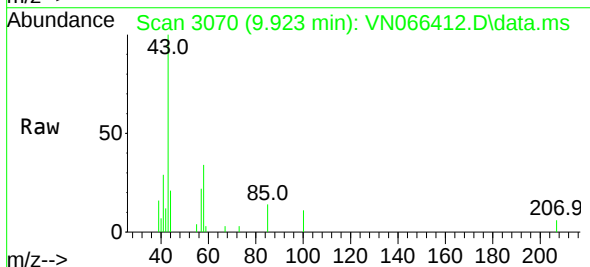
Instrument :
MSVOA_N
ClientSampled :
IG003

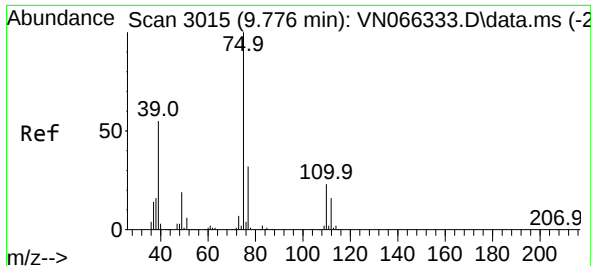
Tgt Ion: 98 Resp: 824214
Ion Ratio Lower Upper
98 100
100 64.0 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.13 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.000 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

Tgt Ion: 43 Resp: 7127
Ion Ratio Lower Upper
43 100
58 43.8 30.8 46.2

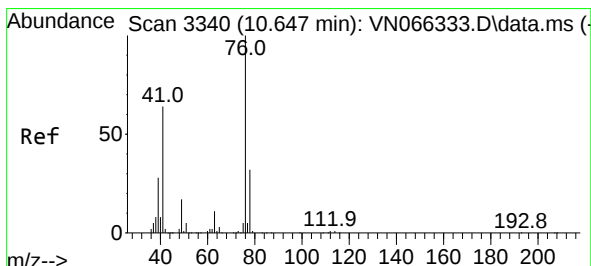
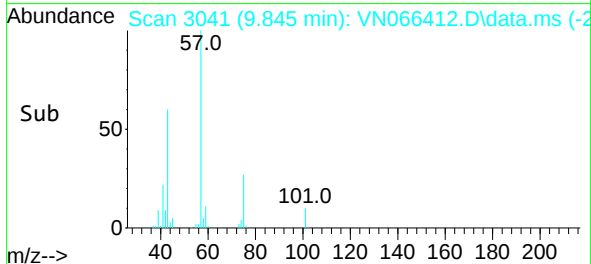
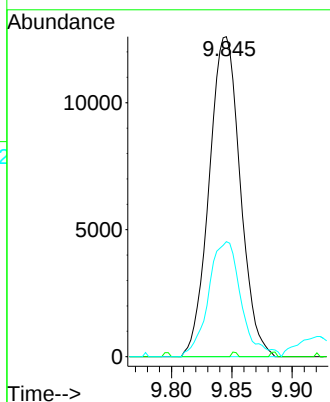
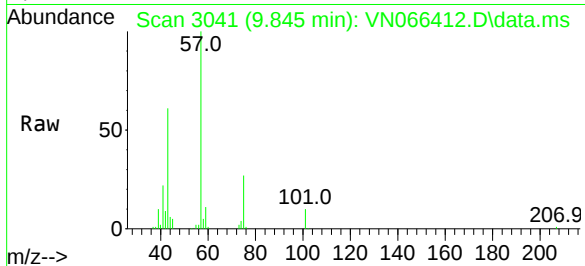




#54
 cis-1,3-Dichloropropene
 Concen: 3.09 ug/l
 RT: 9.845 min Scan# 3041
 Delta R.T. 0.070 min
 Lab File: VN066412.D
 Acq: 30 Mar 2021 5:52

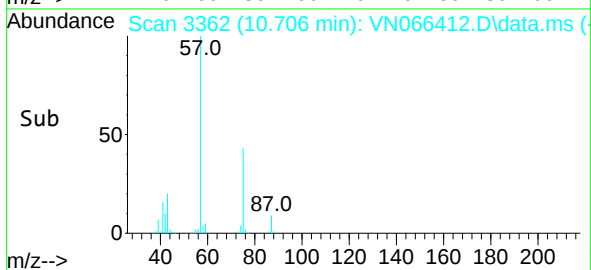
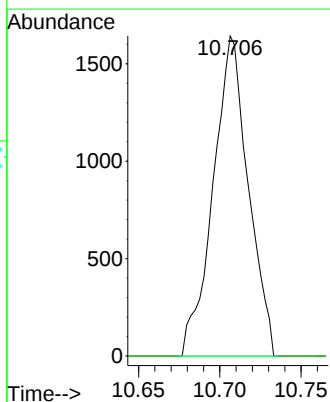
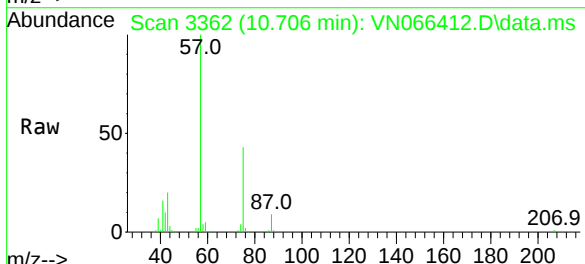
Instrument :
 MSVOA_N
 ClientSampled :
 IG003

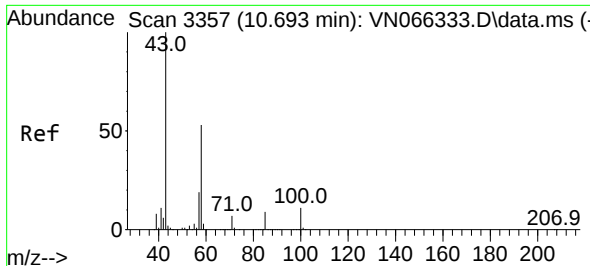
Tgt Ion: 75 Resp: 22551
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 36.0 44.2 66.4#



#57
 1,3-Dichloropropane
 Concen: 0.35 ug/l
 RT: 10.706 min Scan# 3362
 Delta R.T. 0.059 min
 Lab File: VN066412.D
 Acq: 30 Mar 2021 5:52

Tgt Ion: 76 Resp: 2473
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

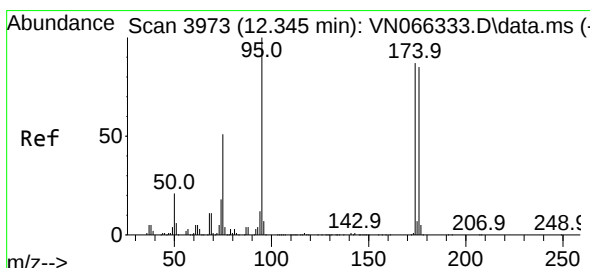
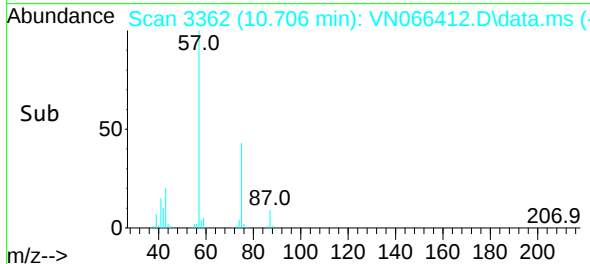
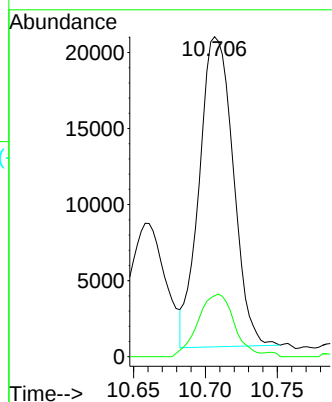
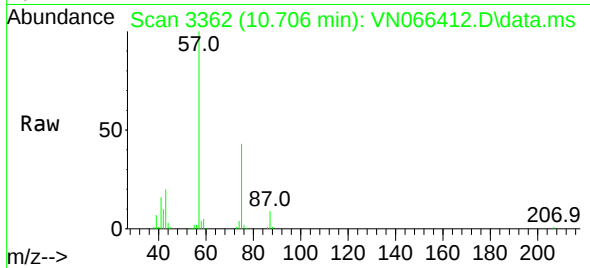




#59
2-Hexanone
Concen: 7.56 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.013 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

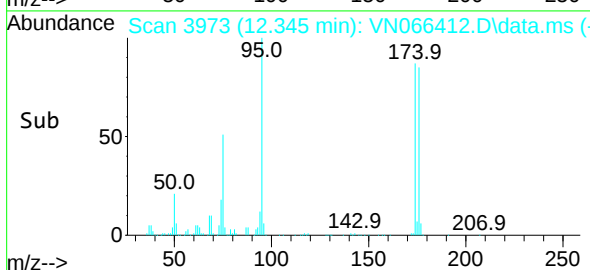
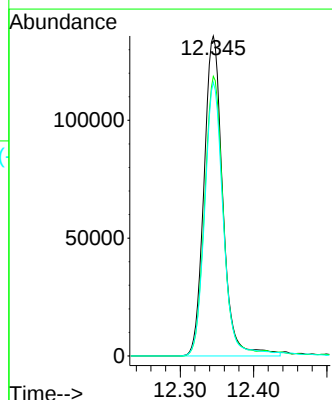
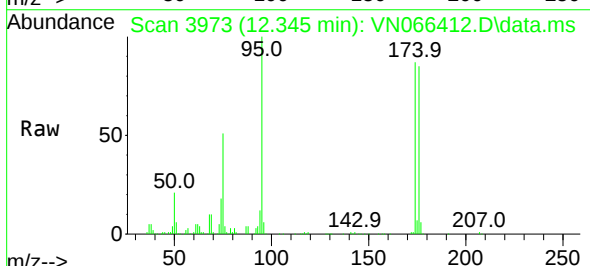
Instrument :
MSVOA_N
ClientSampleId :
IG003

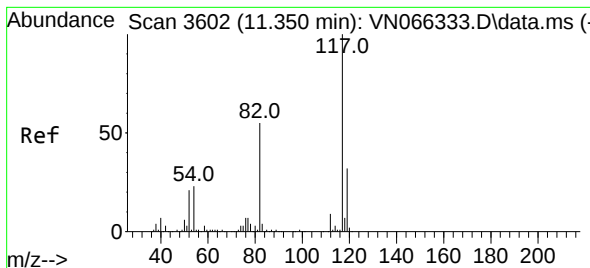
Tgt Ion: 43 Resp: 33466
Ion Ratio Lower Upper
43 100
58 21.4 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 45.14 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.000 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

Tgt Ion: 95 Resp: 241027
Ion Ratio Lower Upper
95 100
174 86.2 0.0 172.2
176 85.6 0.0 167.8

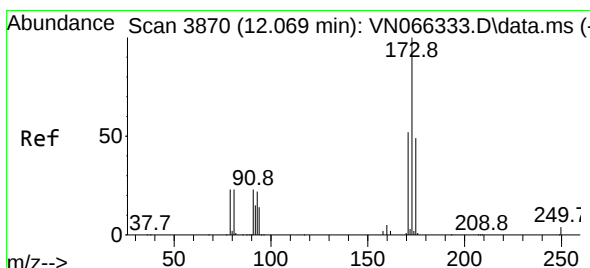
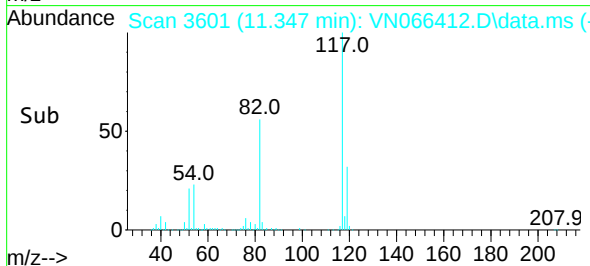
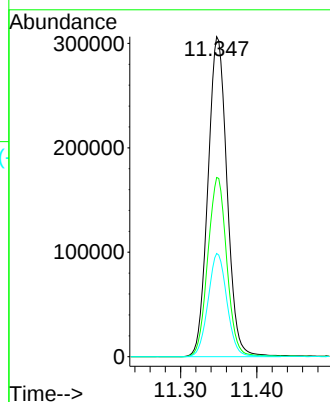
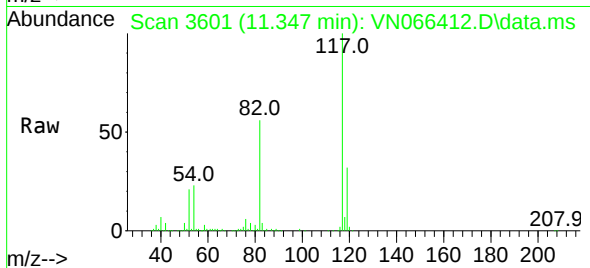




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

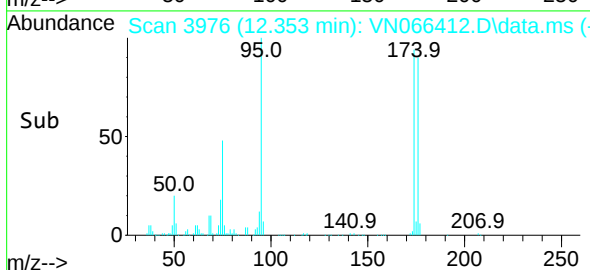
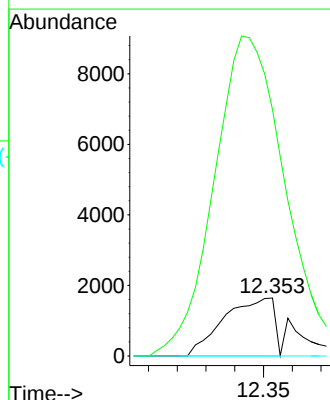
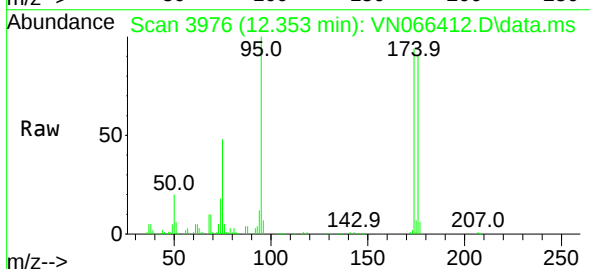
Instrument :
MSVOA_N
ClientSampleId :
IG003

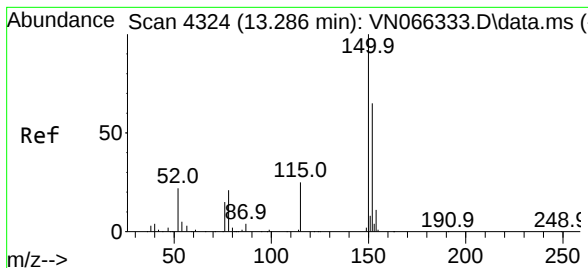
Tgt Ion:117 Resp: 531960
Ion Ratio Lower Upper
117 100
82 56.0 44.2 66.4
119 32.3 25.8 38.6



#71
Bromoform
Concen: 0.59 ug/l
RT: 12.353 min Scan# 3976
Delta R.T. 0.284 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

Tgt Ion:173 Resp: 1996
Ion Ratio Lower Upper
173 100
175 688.7 24.3 72.8#
254 0.0 0.0 0.0

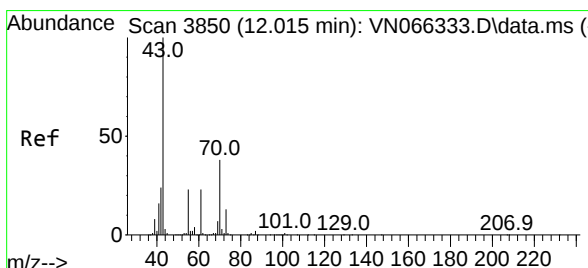
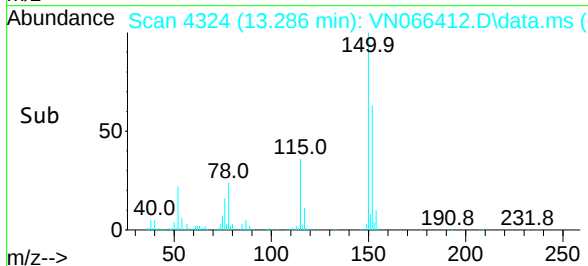
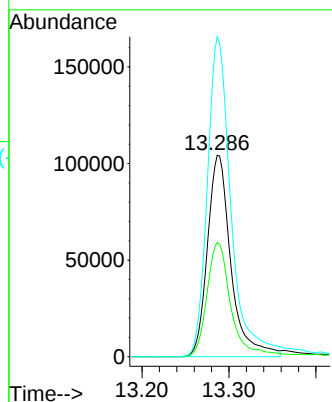
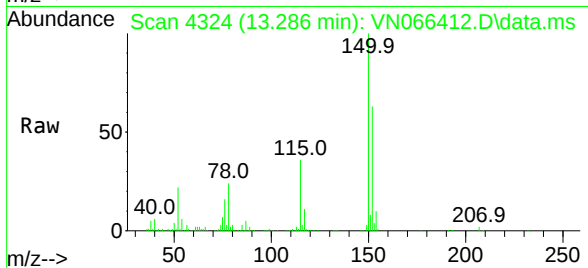




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

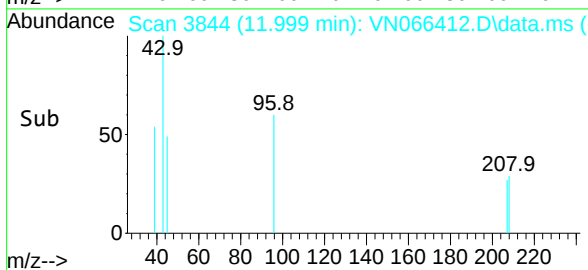
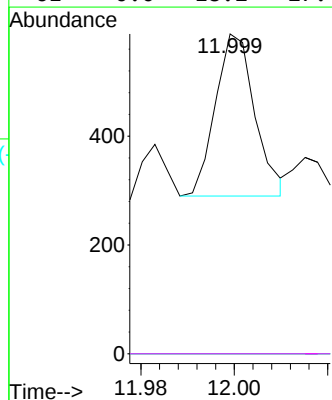
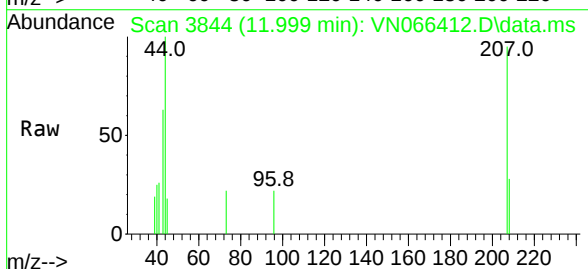
Instrument :
MSVOA_N
ClientSampleId :
IG003

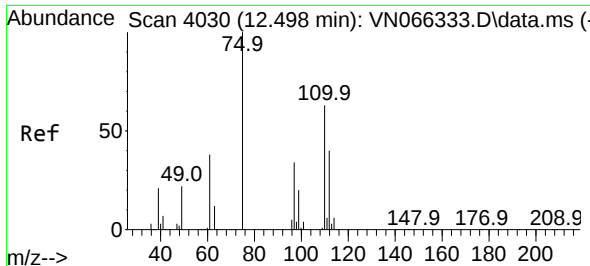
Tgt Ion:152 Resp: 196271
Ion Ratio Lower Upper
152 100
115 57.8 27.8 83.4
150 163.3 0.0 348.4



#74
N-ethyl acetate
Concen: 3.22 ug/l
RT: 11.999 min Scan# 3844
Delta R.T. -0.016 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

Tgt Ion: 43 Resp: 175
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 0.0 18.6 28.0#
61 0.0 18.2 27.4#

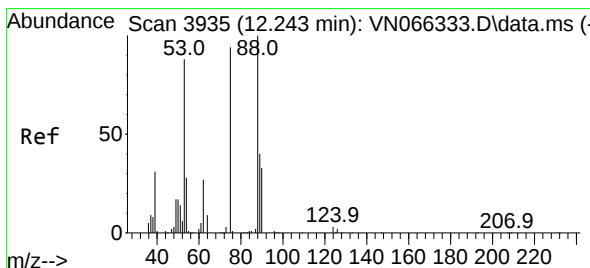
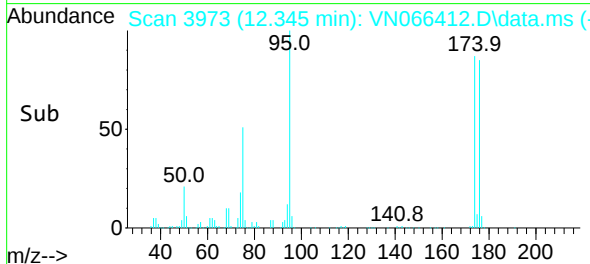
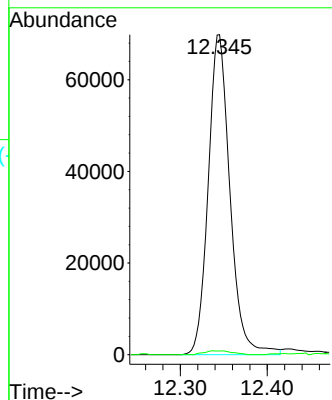
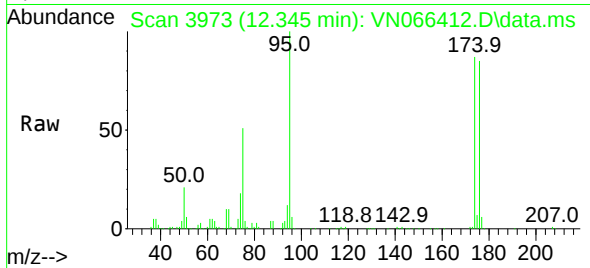




#76
1,2,3-Trichloropropane
Concen: 28.19 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

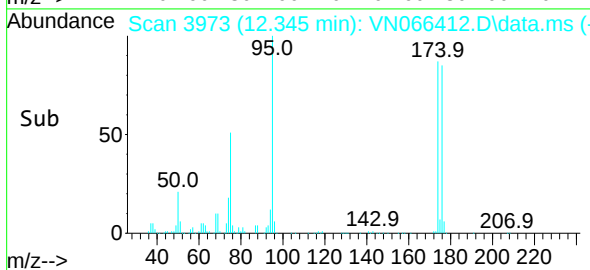
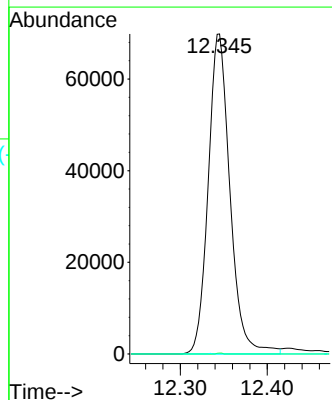
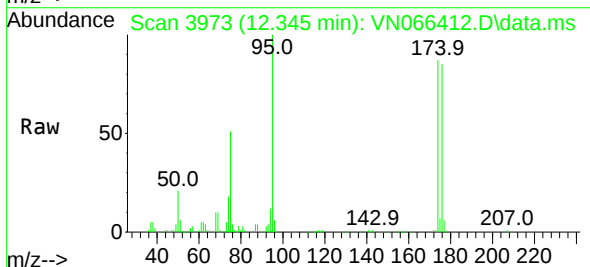
Instrument :
MSVOA_N
ClientSampleId :
IG003

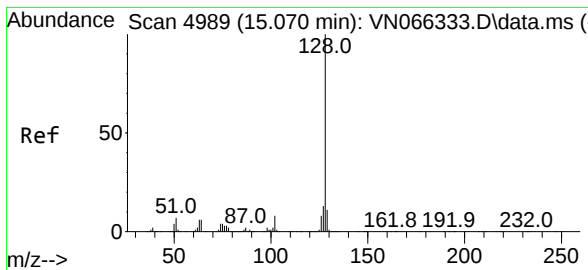
Tgt Ion: 75 Resp: 121425
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.79 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

Tgt Ion: 75 Resp: 121425
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.0 35.7 53.5#





#95
Naphthalene
Concen: 1.08 ug/l
RT: 15.083 min Scan# 4994
Delta R.T. 0.013 min
Lab File: VN066412.D
Acq: 30 Mar 2021 5:52

Instrument :
MSVOA_N
ClientSampleId :
IG003

Tgt Ion:128	Resp:	450
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.5 15.7#
129	0.0	8.5 12.7#

