

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041321\
 Data File : VN066590.D
 Acq On : 13 Apr 2021 20:15
 Operator : JC/MD
 Sample : M2006-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 14 02:27:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Apr 13 16:46:30 2021
 Response via : Initial Calibration

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

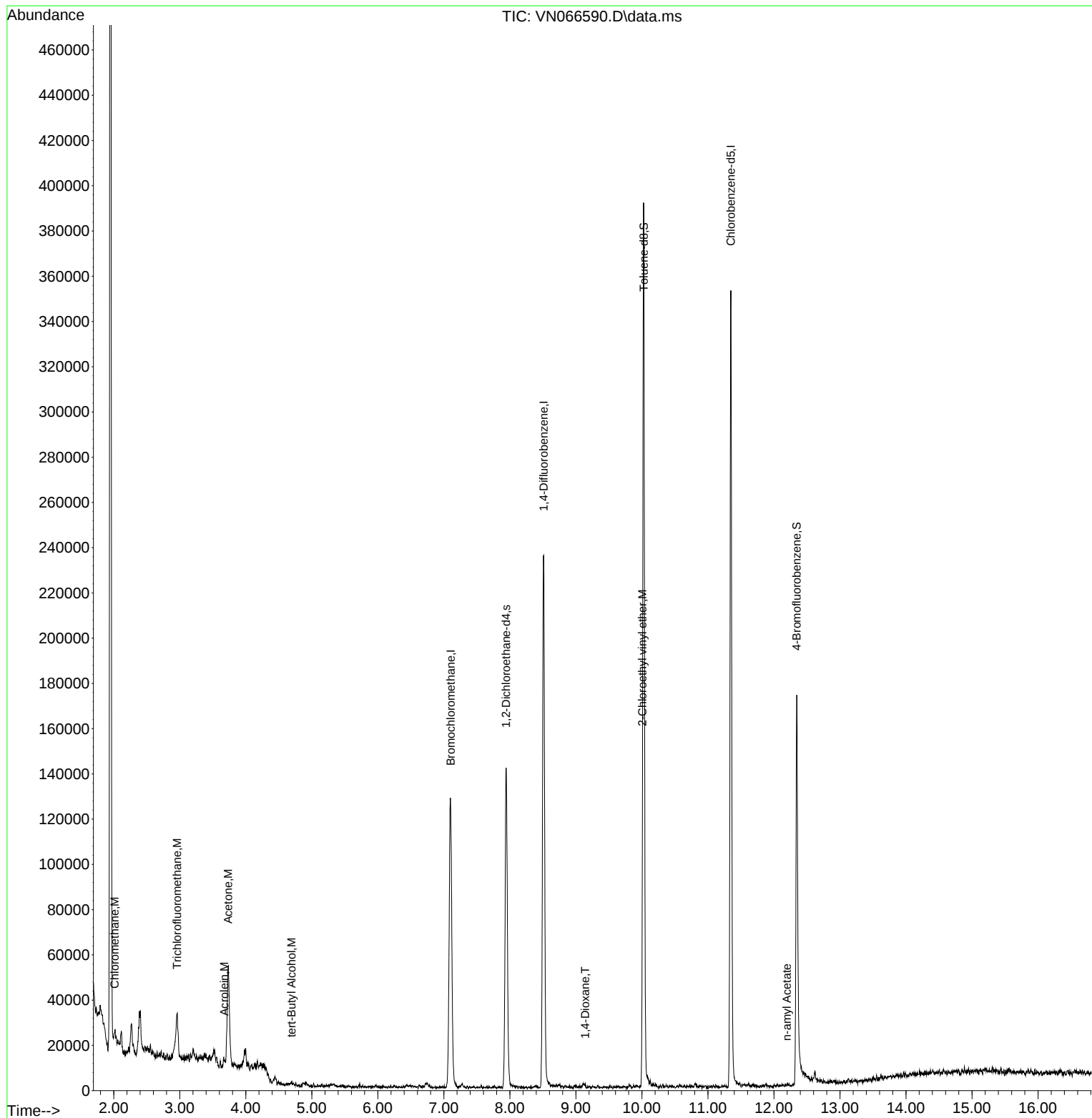
Internal Standards						
1) Bromochloromethane	7.104	128	42414	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.512	114	184918	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.347	117	178393	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.941	65	122026	31.40	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.67%
60) 4-Bromofluorobenzene	12.345	95	57612	20.10	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	67.00%
63) Toluene-d8	10.028	98	244706	28.99	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.63%
Target Compounds						
						Qvalue
3) Chloromethane	2.014	50	3383	0.80	ug/l	94
7) Trichlorofluoromethane	2.958	101	15506	2.76	ug/l	91
13) Acrolein	3.674	56	207	0.34	ug/l	84
15) Acetone	3.733	58	18850	34.77	ug/l	85
23) tert-Butyl Alcohol	4.693	59	451	0.88	ug/l #	100
45) 1,4-Dioxane	9.143	88	88	2.17	ug/l #	8
47) n-amyl Acetate	12.198	43	229	11.98	ug/l	99
55) 2-Chloroethyl vinyl ether	10.009	63	144	43.54	ug/l #	22

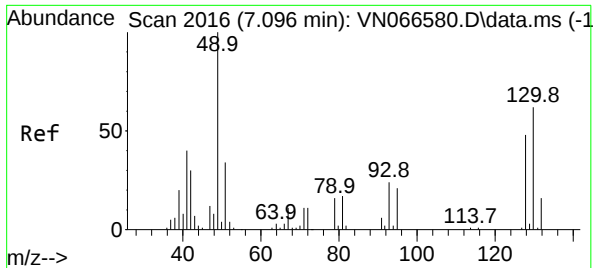
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Apr 13 16:46:30 2021
Response via : Initial Calibration

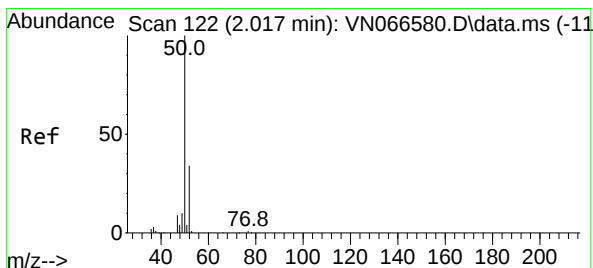
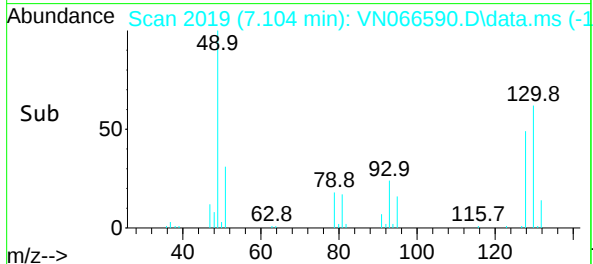
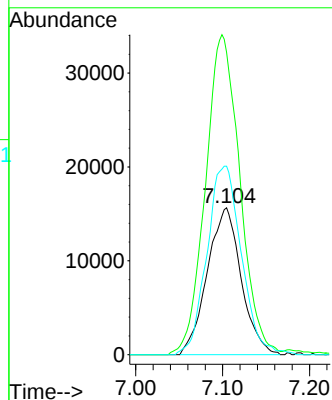
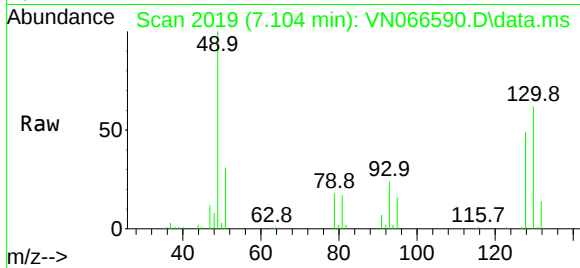




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.104 min Scan# 2019
Delta R.T. -0.003 min
Lab File: VN066590.D
Acq: 13 Apr 2021 20:15

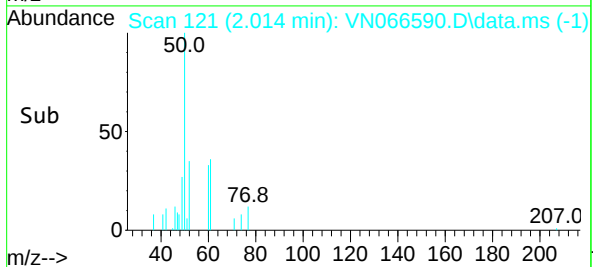
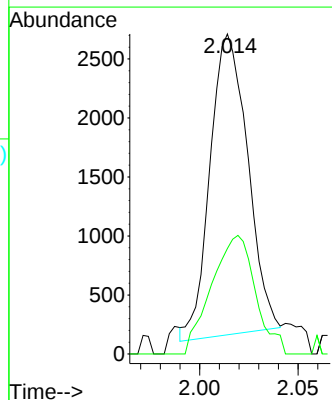
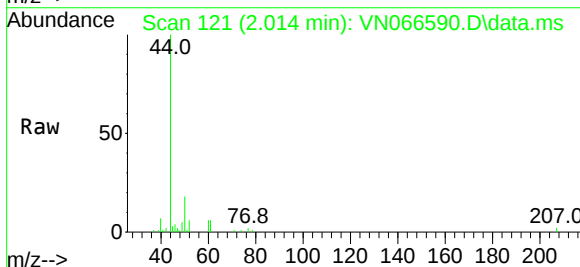
Instrument :
MSVOA_N
ClientSampleId :

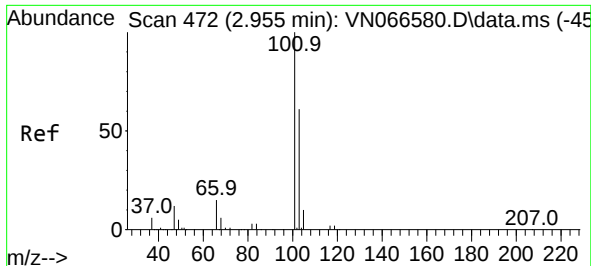
Tgt Ion:128 Resp: 42414
Ion Ratio Lower Upper
128 100
49 221.1 0.0 429.3
130 129.8 0.0 328.5



#3
Chloromethane
Concen: 0.80 ug/l
RT: 2.014 min Scan# 121
Delta R.T. -0.003 min
Lab File: VN066590.D
Acq: 13 Apr 2021 20:15

Tgt Ion: 50 Resp: 3383
Ion Ratio Lower Upper
50 100
52 35.9 26.2 39.4

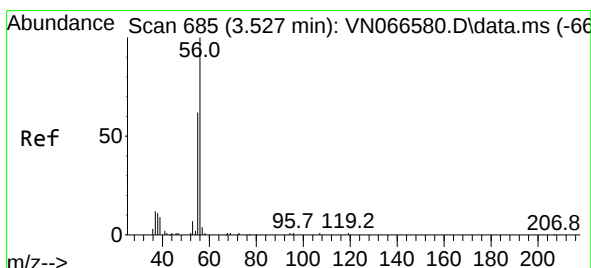
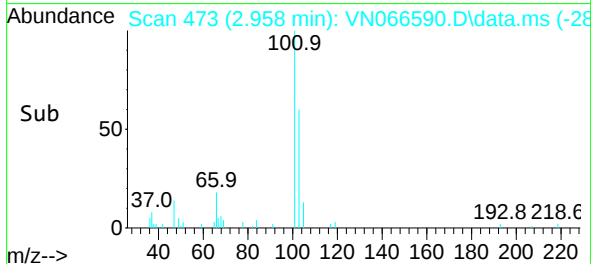
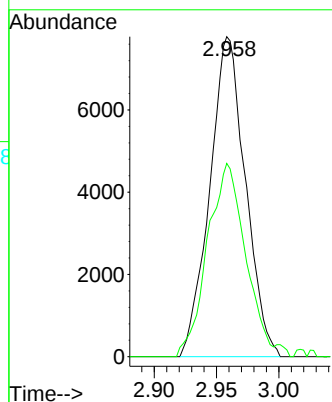
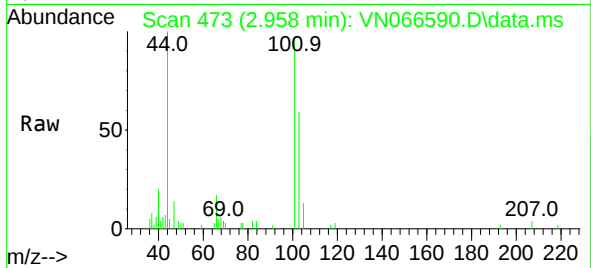




#7
Trichlorofluoromethane
Concen: 2.76 ug/l
RT: 2.958 min Scan# 473
Delta R.T. 0.003 min
Lab File: VN066590.D
Acq: 13 Apr 2021 20:15

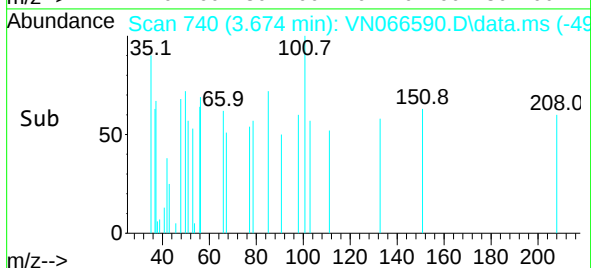
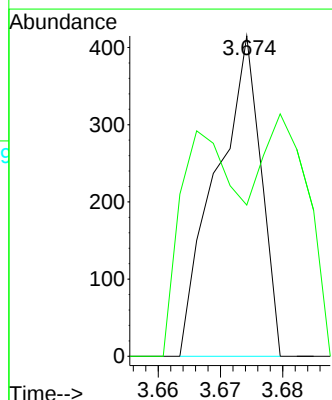
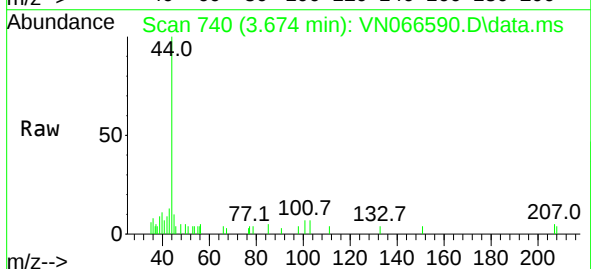
Instrument :
MSVOA_N
ClientSampled :

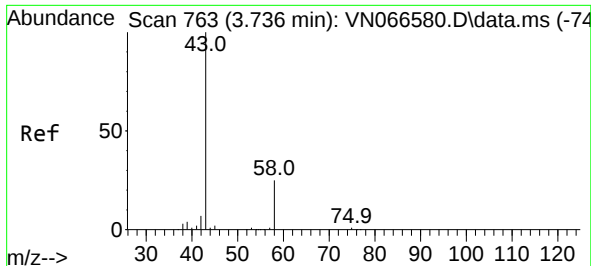
Tgt Ion:101 Resp: 15506
Ion Ratio Lower Upper
101 100
103 57.5 51.6 77.4



#13
Acrolein
Concen: 0.34 ug/l
RT: 3.674 min Scan# 740
Delta R.T. 0.147 min
Lab File: VN066590.D
Acq: 13 Apr 2021 20:15

Tgt Ion: 56 Resp: 207
Ion Ratio Lower Upper
56 100
55 80.2 54.1 81.1

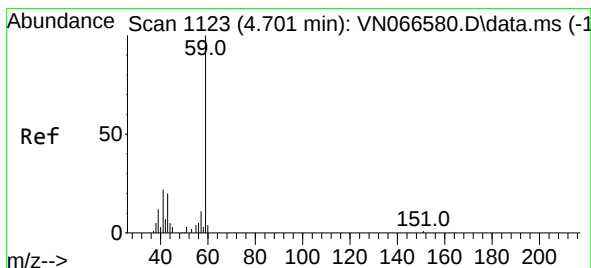
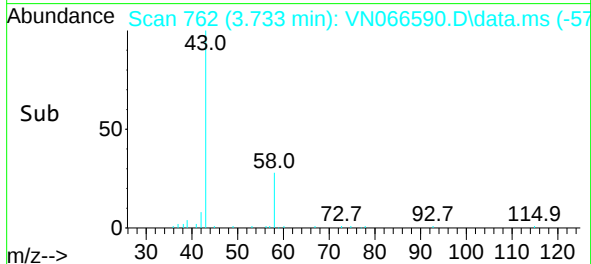
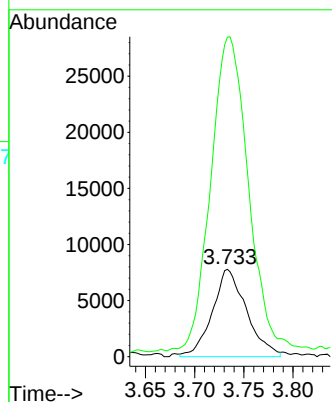
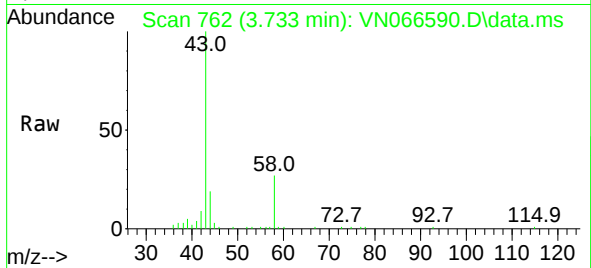




#15
Acetone
Concen: 34.77 ug/l
RT: 3.733 min Scan# 762
Delta R.T. 0.000 min
Lab File: VN066590.D
Acq: 13 Apr 2021 20:15

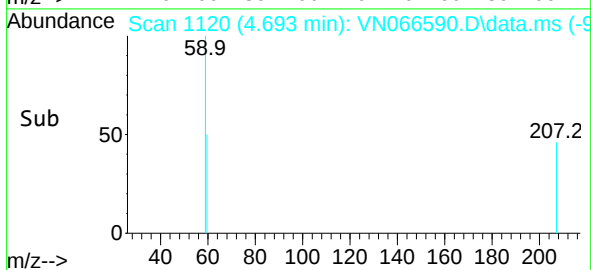
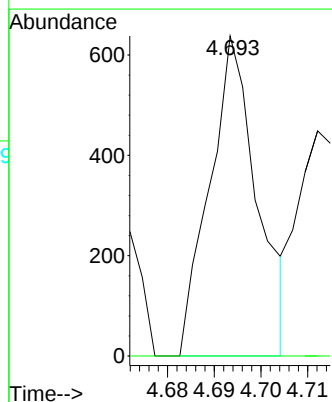
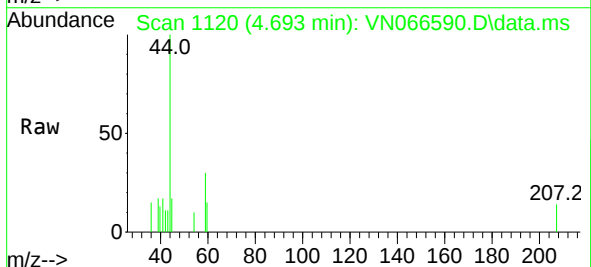
Instrument :
MSVOA_N
ClientSampled :

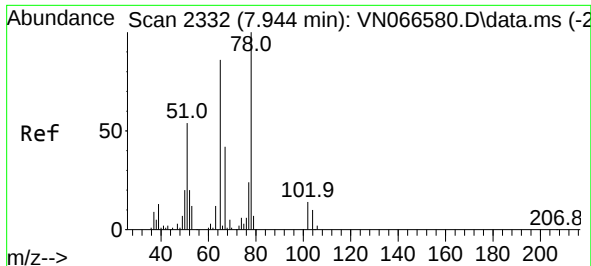
Tgt Ion: 58 Resp: 18850
Ion Ratio Lower Upper
58 100
43 366.2 267.3 400.9



#23
tert-Butyl Alcohol
Concen: 0.88 ug/l
RT: 4.693 min Scan# 1120
Delta R.T. 0.010 min
Lab File: VN066590.D
Acq: 13 Apr 2021 20:15

Tgt Ion: 59 Resp: 451
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#

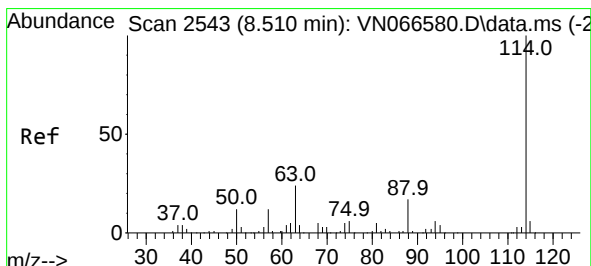
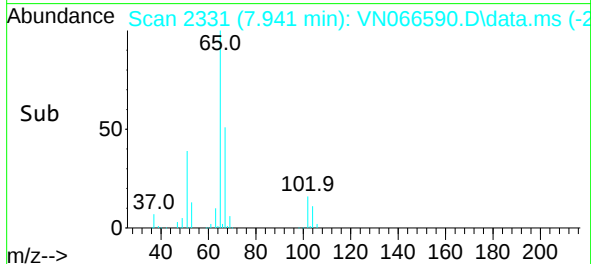
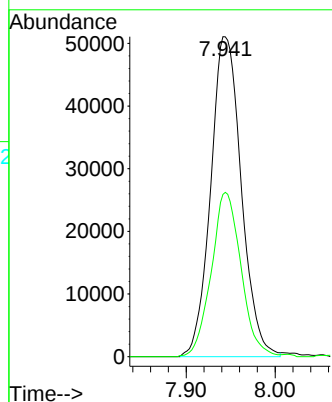
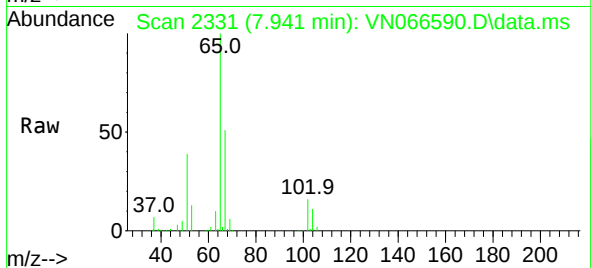




#27
1,2-Dichloroethane-d4
Concen: 31.40 ug/l
RT: 7.941 min Scan# 2331
Delta R.T. -0.006 min
Lab File: VN066590.D
Acq: 13 Apr 2021 20:15

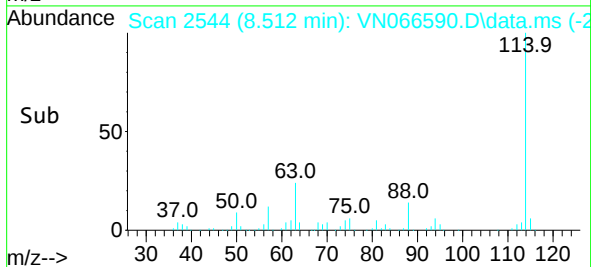
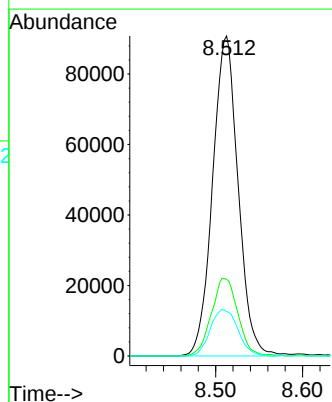
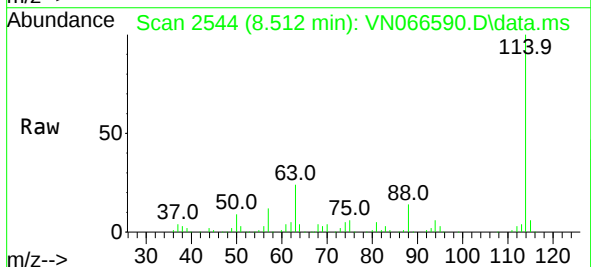
Instrument :
MSVOA_N
ClientSampled :

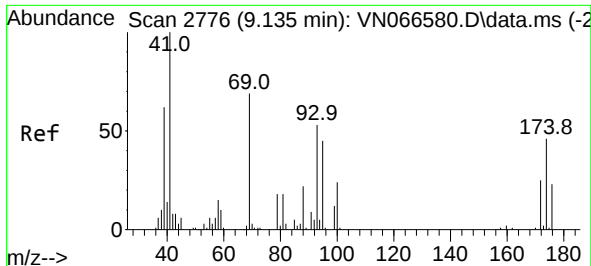
Tgt Ion: 65 Resp: 122026
Ion Ratio Lower Upper
65 100
67 49.8 42.2 63.4



#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.512 min Scan# 2544
Delta R.T. -0.001 min
Lab File: VN066590.D
Acq: 13 Apr 2021 20:15

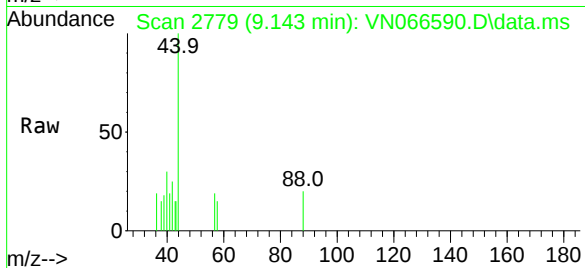
Tgt Ion: 114 Resp: 184918
Ion Ratio Lower Upper
114 100
63 25.1 17.4 26.0
88 15.7 12.6 19.0



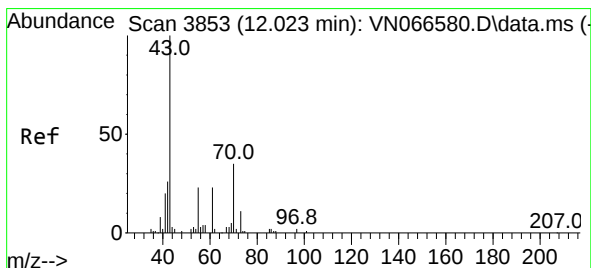
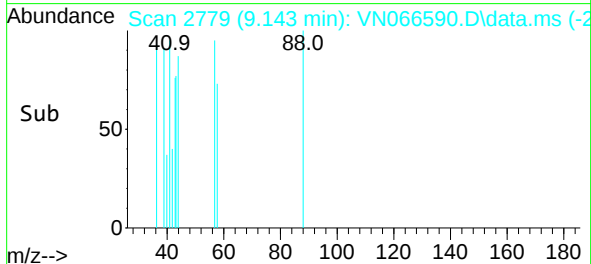
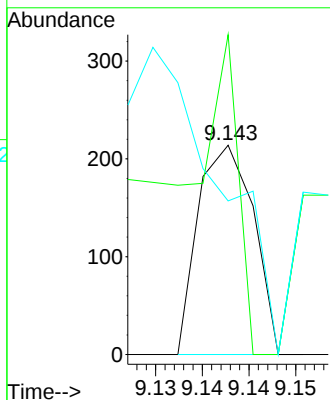


#45
1,4-Dioxane
Concen: 2.17 ug/l
RT: 9.143 min Scan# 2779
Delta R.T. 0.014 min
Lab File: VN066590.D
Acq: 13 Apr 2021 20:15

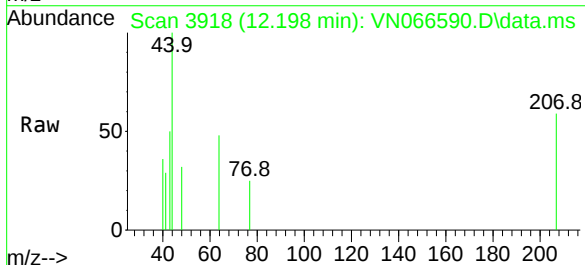
Instrument :
MSVOA_N
ClientSampled :



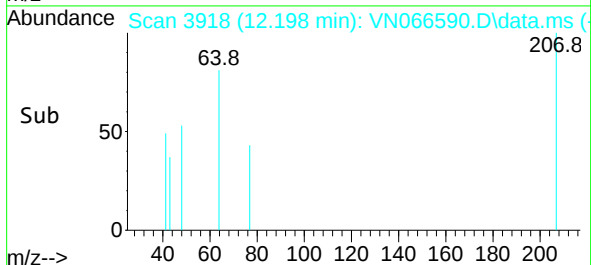
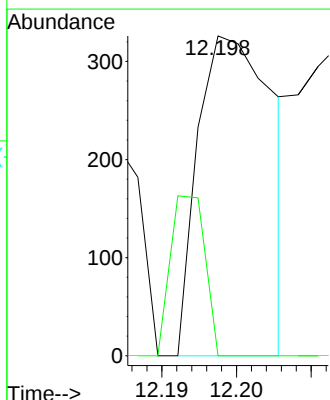
Tgt Ion:	88	Resp:	88
Ion	Ratio	Lower	Upper
88	100		
43	92.0	27.0	40.4#
58	0.0	57.9	86.9#

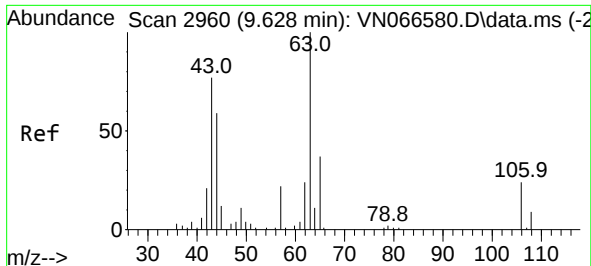


#47
n-amy1 Acetate
Concen: 11.98 ug/l
RT: 12.198 min Scan# 3918
Delta R.T. 0.169 min
Lab File: VN066590.D
Acq: 13 Apr 2021 20:15



Tgt Ion:	43	Resp:	229
Ion	Ratio	Lower	Upper
43	100		
55	22.7	17.7	26.5

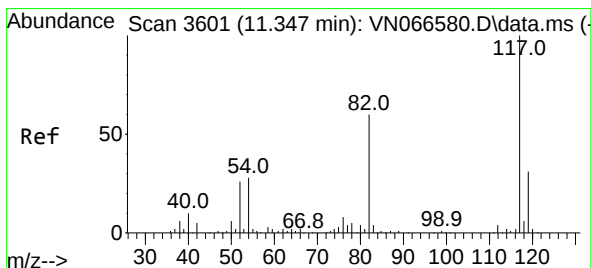
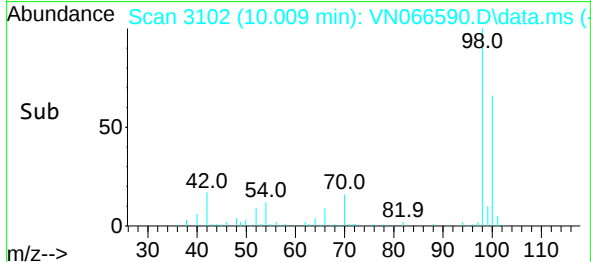
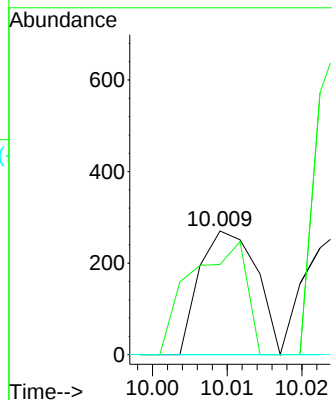
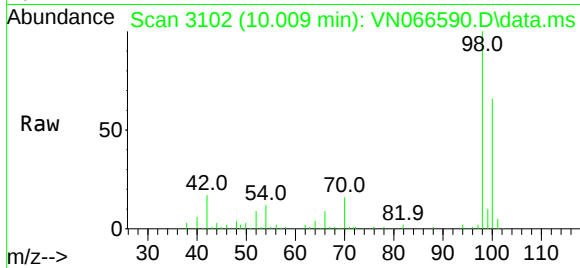




#55
2-Chloroethyl vinyl ether
Concen: 43.54 ug/l
RT: 10.009 min Scan# 3102
Delta R.T. 0.378 min
Lab File: VN066590.D
Acq: 13 Apr 2021 20:15

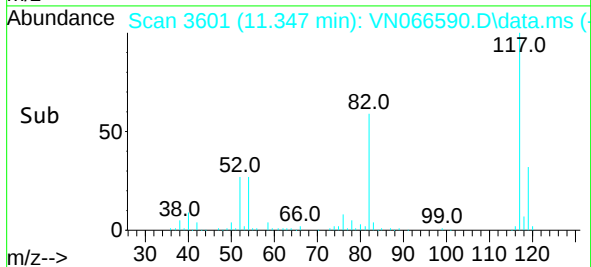
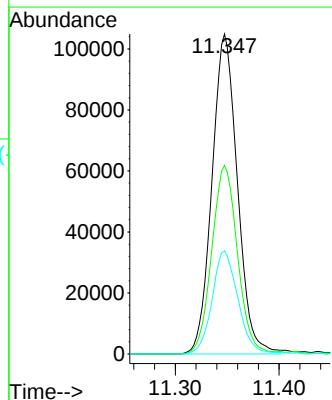
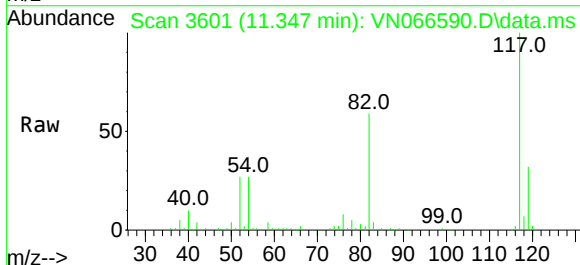
Instrument :
MSVOA_N
ClientSampled :

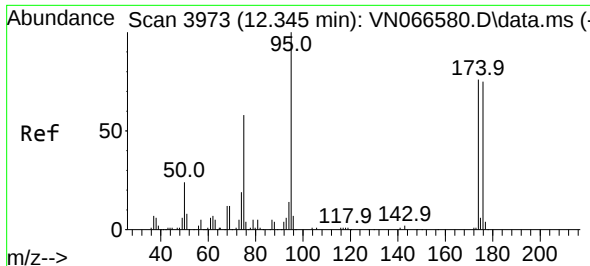
Tgt Ion: 63 Resp: 144
Ion Ratio Lower Upper
63 100
65 88.9 26.0 39.0#
106 0.0 20.6 31.0#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066590.D
Acq: 13 Apr 2021 20:15

Tgt Ion: 117 Resp: 178393
Ion Ratio Lower Upper
117 100
82 59.5 45.0 67.6
119 32.8 25.5 38.3

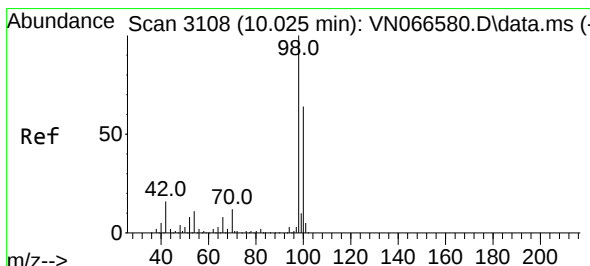
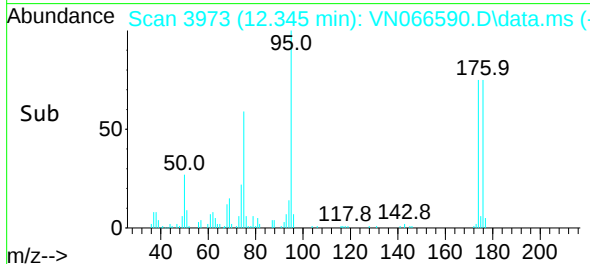
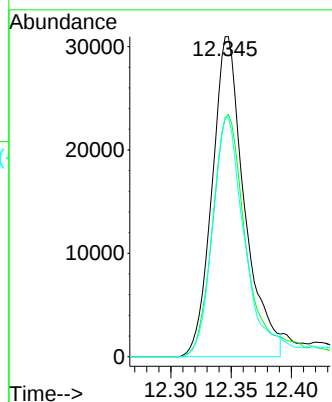
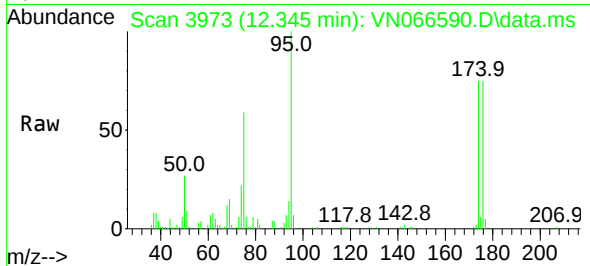




#60
4-Bromofluorobenzene
Concen: 20.10 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.000 min
Lab File: VN066590.D
Acq: 13 Apr 2021 20:15

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 95 Resp: 57612
Ion Ratio Lower Upper
95 100
174 79.2 68.1 102.1
176 75.9 65.4 98.0



#63
Toluene-d8
Concen: 28.99 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. 0.003 min
Lab File: VN066590.D
Acq: 13 Apr 2021 20:15

Tgt Ion: 98 Resp: 244706
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7

