

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042021\
 Data File : VN066686.D
 Acq On : 20 Apr 2021 17:14
 Operator : JC/MD
 Sample : M2078-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 21 10:09:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Apr 20 12:52:17 2021
 Response via : Initial Calibration

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

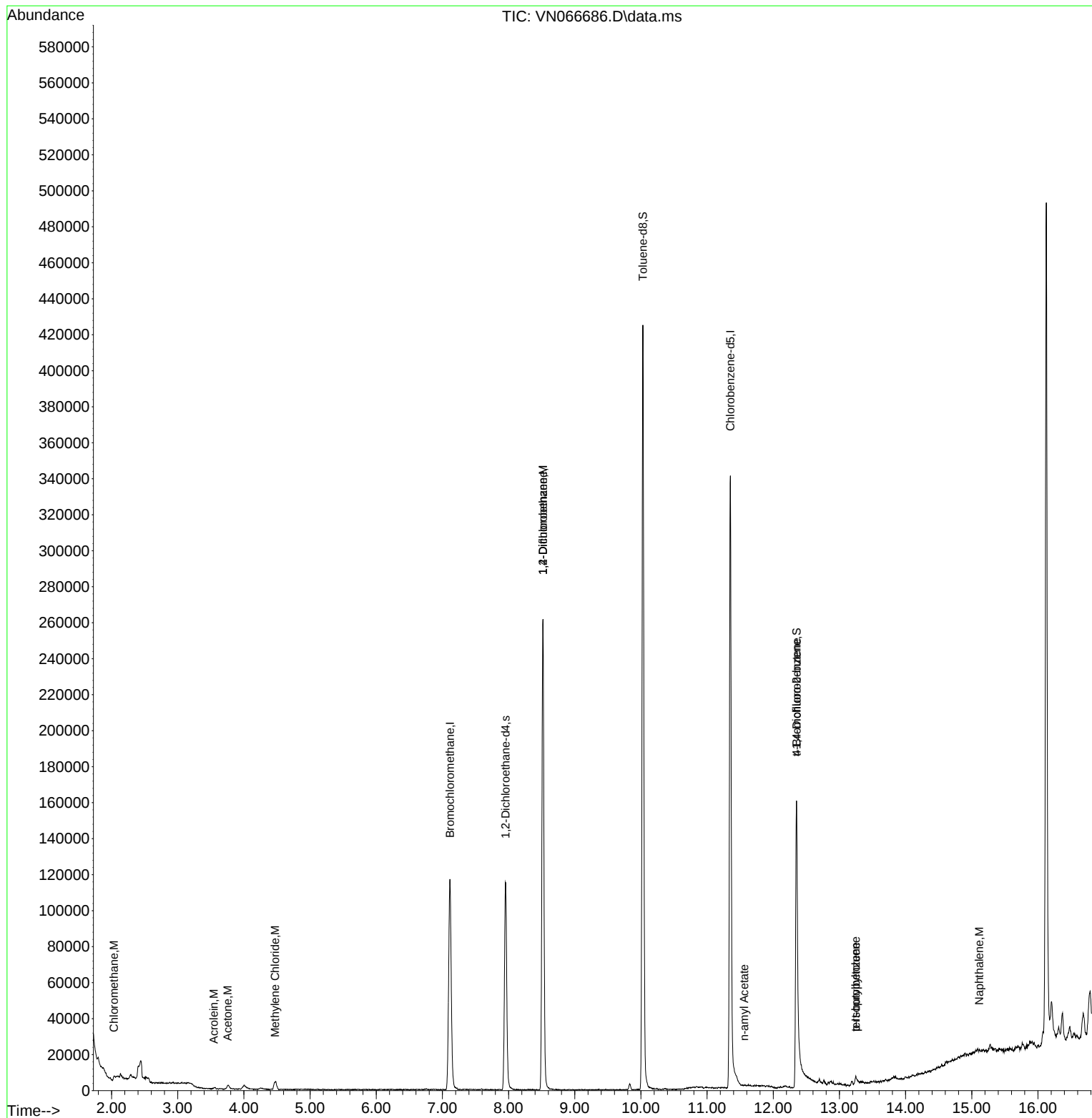
Internal Standards						
1) Bromochloromethane	7.116	128	46673	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.519	114	238331	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.351	117	214270	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.956	65	100356	29.84	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.47%
60) 4-Bromofluorobenzene	12.351	95	75266	22.41	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	74.70%
63) Toluene-d8	10.029	98	301201	30.55	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.83%
Target Compounds						
						Qvalue
3) Chloromethane	2.034	50	1270	0.36	ug/l	97
13) Acrolein	3.544	56	99	0.21	ug/l #	1
15) Acetone	3.756	58	1024	2.68	ug/l #	33
18) Methylene Chloride	4.472	84	3406	1.10	ug/l	88
36) 1,2-Dichloroethane	8.519	62	7465	1.88	ug/l #	76
47) n-amyl Acetate	11.560	43	205	19.47	ug/l	91
77) t-1,4-Dichloro-2-butene	12.351	75	33557	29.91	ug/l #	10
79) tert-butylbenzene	13.247	119	4500	0.51	ug/l	36
82) p-Isopropyltoluene	13.247	119	4500	0.45	ug/l	62
91) Naphthalene	15.111	128	1837	0.26	ug/l #	69

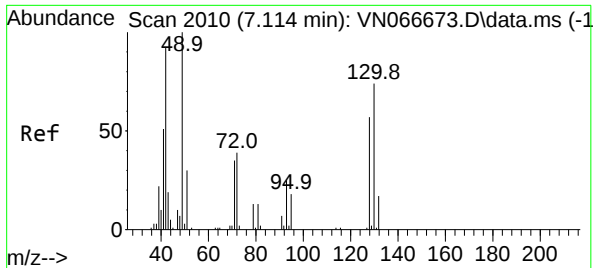
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :

Quant Time: Apr 21 10:09:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Apr 20 12:52:17 2021
Response via : Initial Calibration

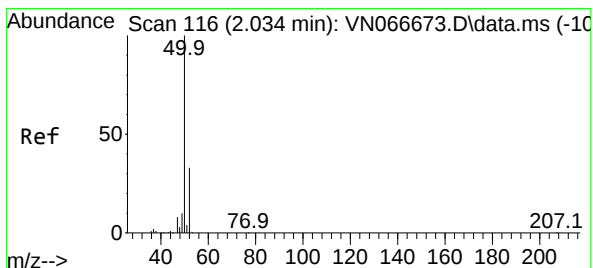
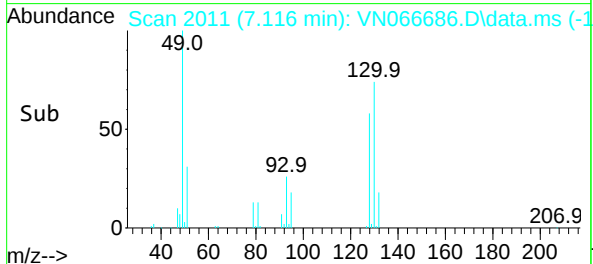
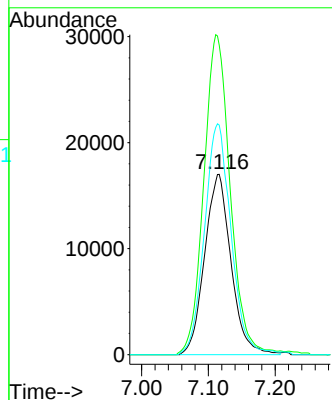
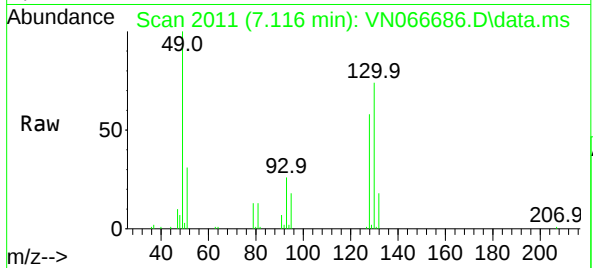




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.116 min Scan# 2011
Delta R.T. 0.002 min
Lab File: VN066686.D
Acq: 20 Apr 2021 17:14

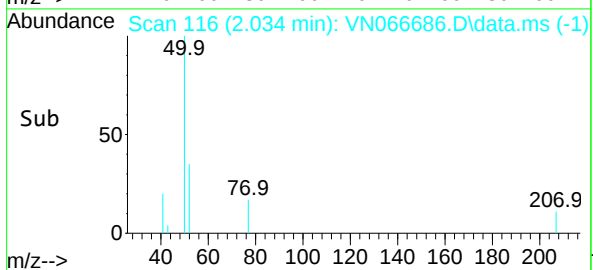
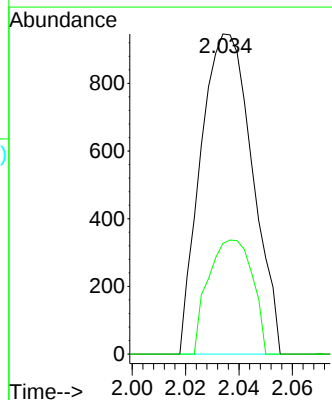
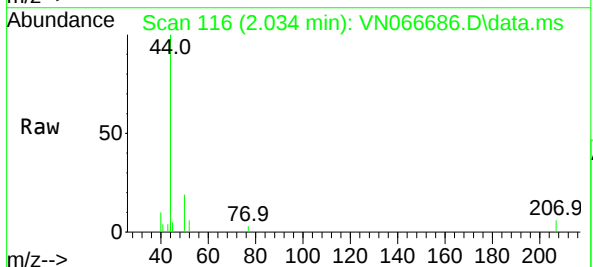
Instrument :
MSVOA_N
ClientSampled :

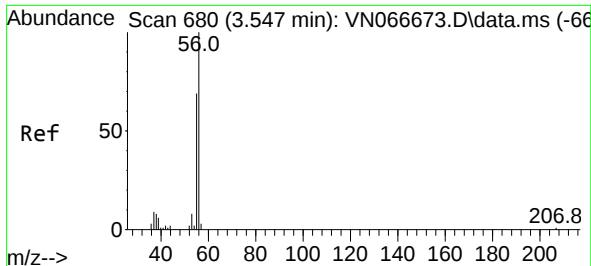
Tgt Ion:128 Resp: 46673
Ion Ratio Lower Upper
128 100
49 176.3 0.0 429.3
130 128.5 0.0 328.5



#3
Chloromethane
Concen: 0.36 ug/l
RT: 2.034 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN066686.D
Acq: 20 Apr 2021 17:14

Tgt Ion: 50 Resp: 1270
Ion Ratio Lower Upper
50 100
52 34.6 26.2 39.4

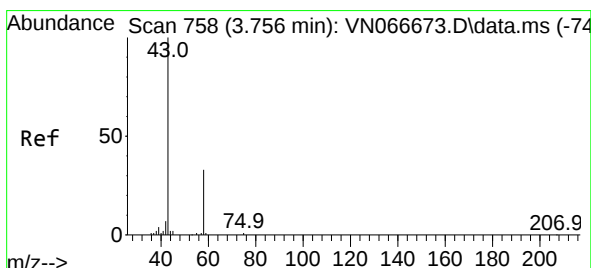
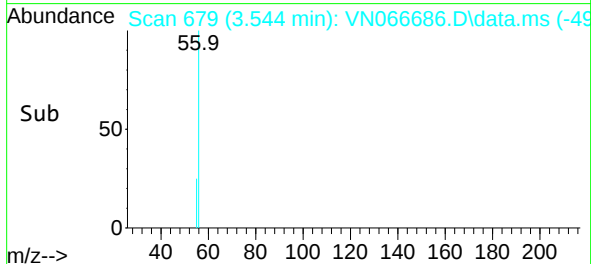
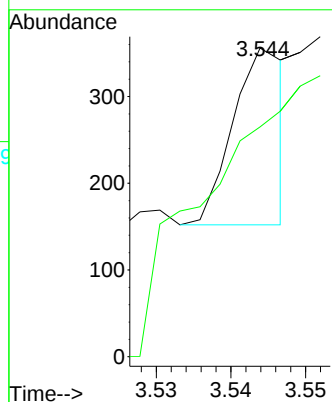
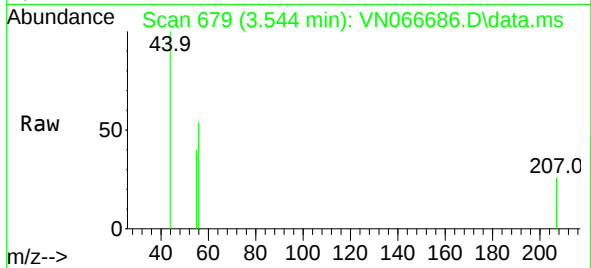




#13
Acrolein
Concen: 0.21 ug/l
RT: 3.544 min Scan# 679
Delta R.T. -0.003 min
Lab File: VN066686.D
Acq: 20 Apr 2021 17:14

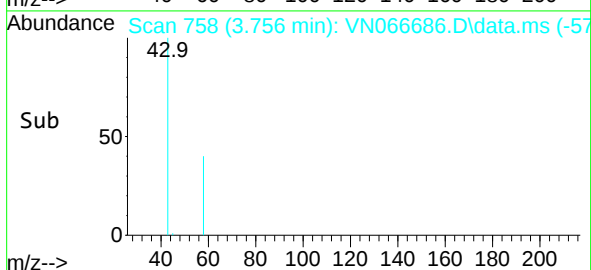
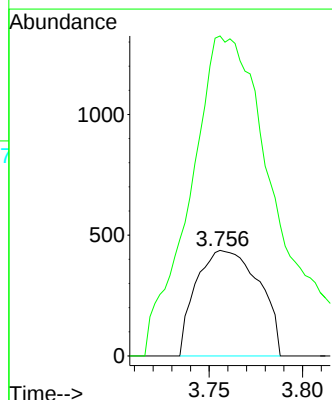
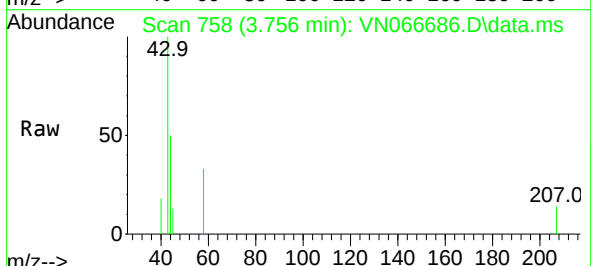
Instrument :
MSVOA_N
ClientSampleId :

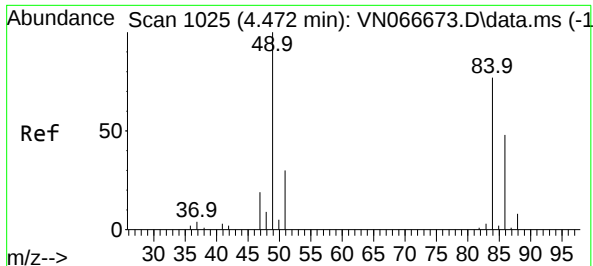
Tgt Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 620.2 54.1 81.1#



#15
Acetone
Concen: 2.68 ug/l
RT: 3.756 min Scan# 758
Delta R.T. -0.000 min
Lab File: VN066686.D
Acq: 20 Apr 2021 17:14

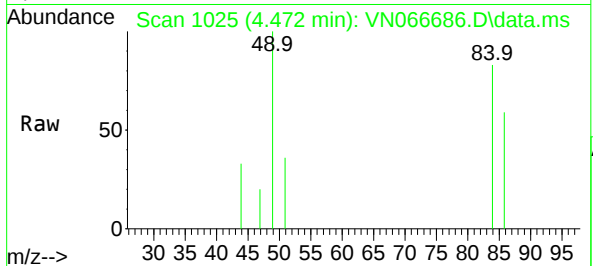
Tgt Ion: 58 Resp: 1024
Ion Ratio Lower Upper
58 100
43 192.7 267.3 400.9#





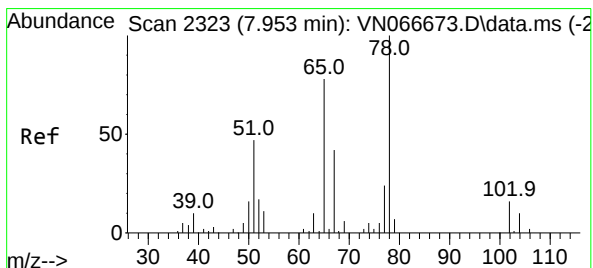
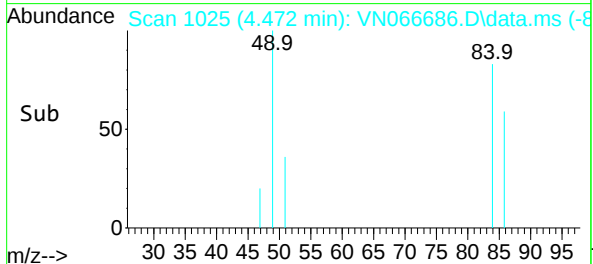
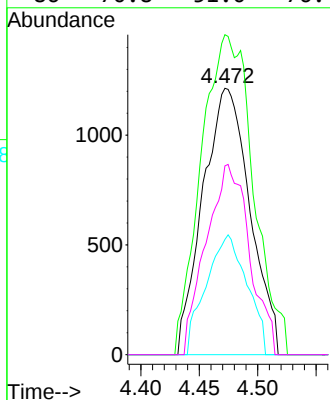
#18
Methylene Chloride
Concen: 1.10 ug/l
RT: 4.472 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN066686.D
Acq: 20 Apr 2021 17:14

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 3406

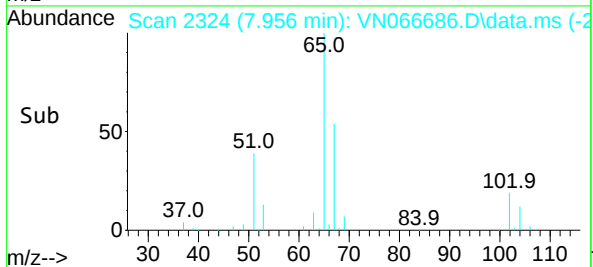
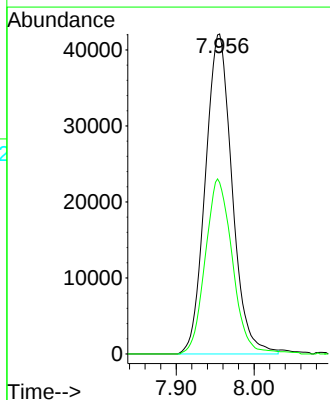
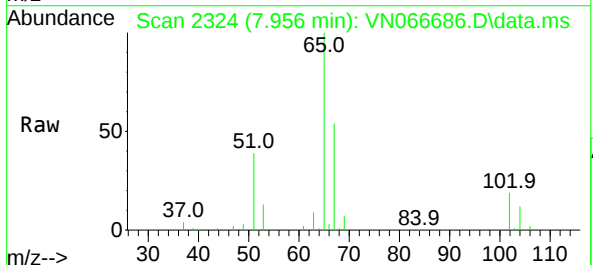
Ion	Ratio	Lower	Upper
84	100		
49	107.5	98.9	148.3
51	43.2	30.8	46.2
86	70.8	51.0	76.4

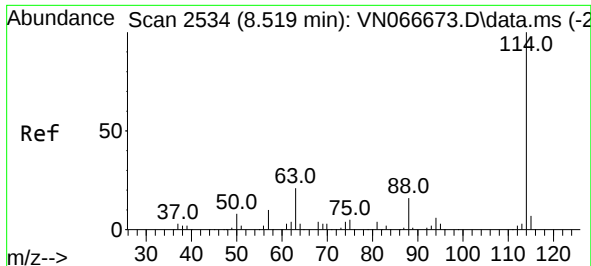


#27
1,2-Dichloroethane-d4
Concen: 29.84 ug/l
RT: 7.956 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VN066686.D
Acq: 20 Apr 2021 17:14

Tgt Ion: 65 Resp: 100356

Ion	Ratio	Lower	Upper
65	100		
67	55.3	42.2	63.4





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.519 min Scan# 2534

Delta R.T. -0.000 min

Lab File: VN066686.D

Acq: 20 Apr 2021 17:14

Tgt Ion: 114 Resp: 238331

Ion Ratio Lower Upper

114 100

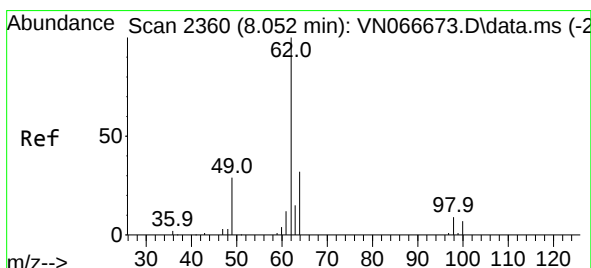
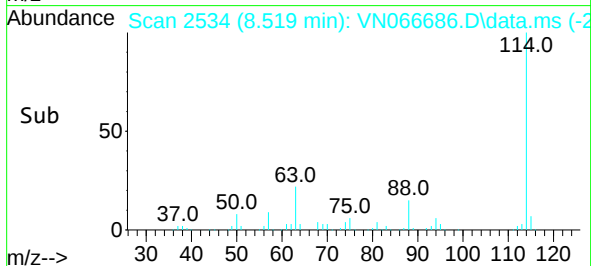
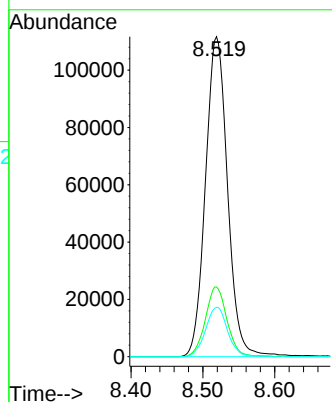
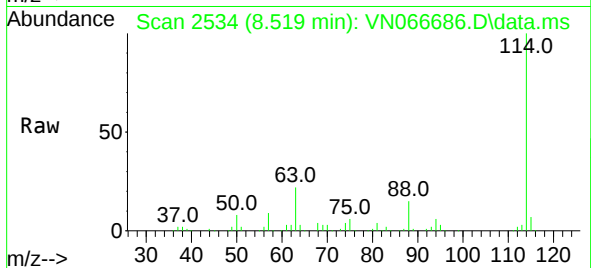
63 21.3 17.4 26.0

88 15.5 12.6 19.0

Instrument :

MSVOA_N

ClientSampled :



#36

1,2-Dichloroethane

Concen: 1.88 ug/l

RT: 8.519 min Scan# 2534

Delta R.T. 0.467 min

Lab File: VN066686.D

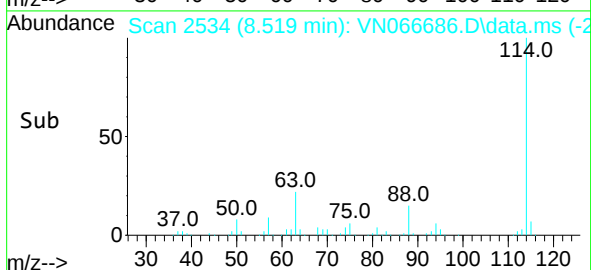
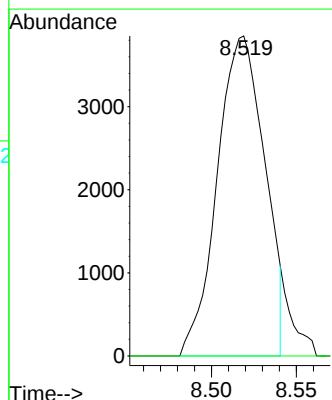
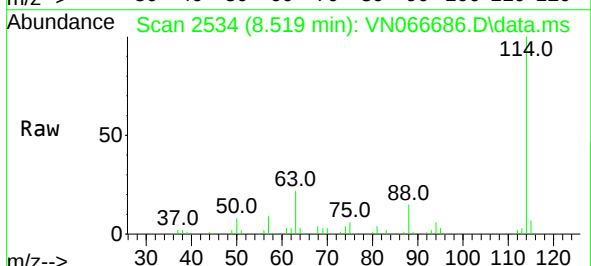
Acq: 20 Apr 2021 17:14

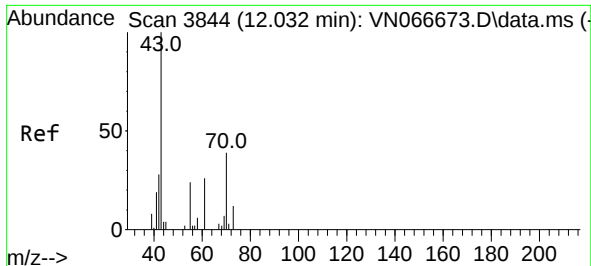
Tgt Ion: 62 Resp: 7465

Ion Ratio Lower Upper

62 100

98 0.0 6.9 10.3#

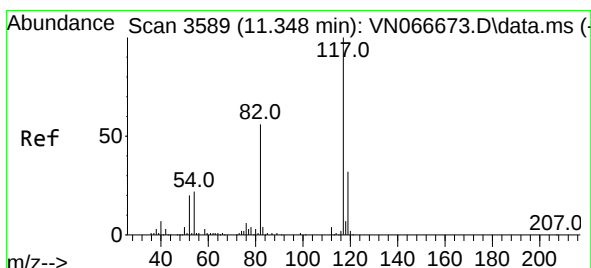
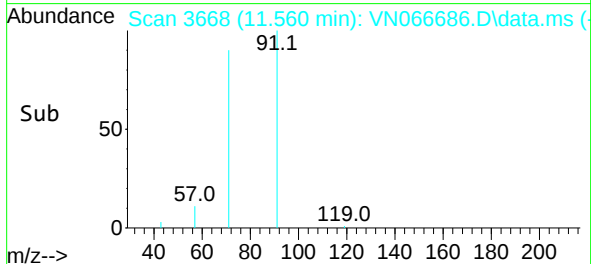
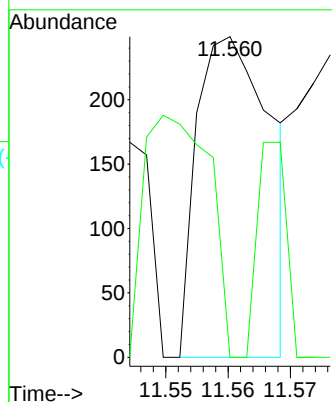
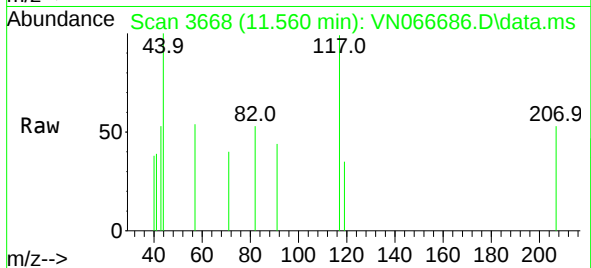




#47
n-amy1 Acetate
Concen: 19.47 ug/l
RT: 11.560 min Scan# 3668
Delta R.T. -0.472 min
Lab File: VN066686.D
Acq: 20 Apr 2021 17:14

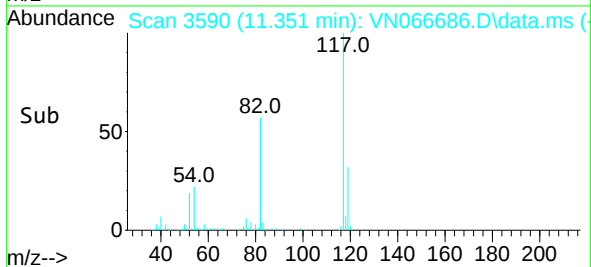
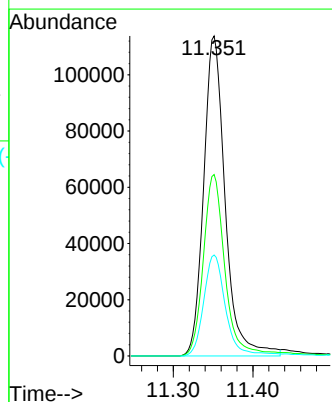
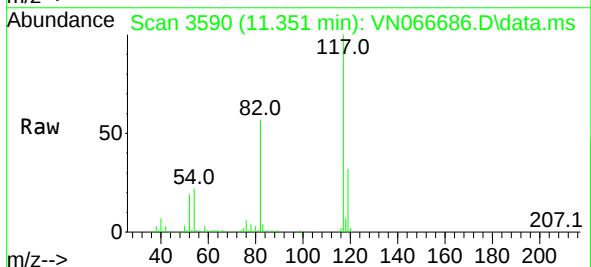
Instrument :
MSVOA_N
ClientSampled :

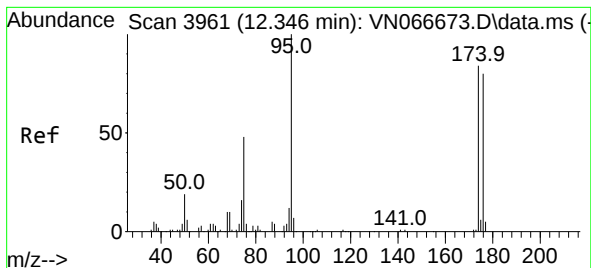
Tgt Ion: 43 Resp: 205
Ion Ratio Lower Upper
43 100
55 26.3 17.7 26.5



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066686.D
Acq: 20 Apr 2021 17:14

Tgt Ion:117 Resp: 214270
Ion Ratio Lower Upper
117 100
82 57.6 45.0 67.6
119 31.3 25.5 38.3

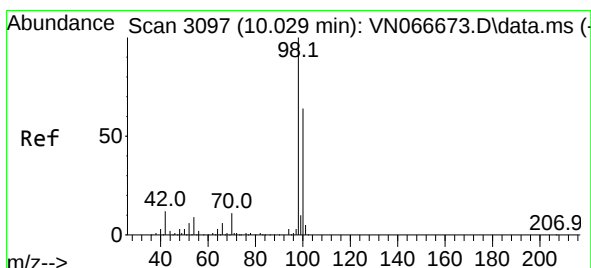
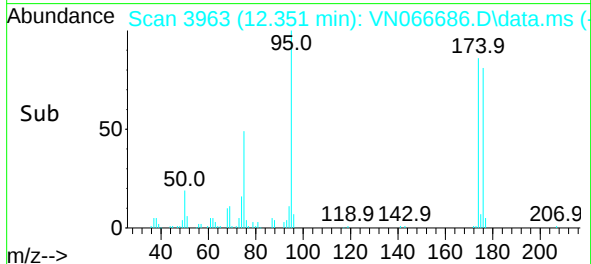
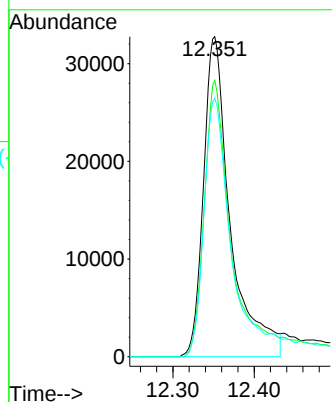
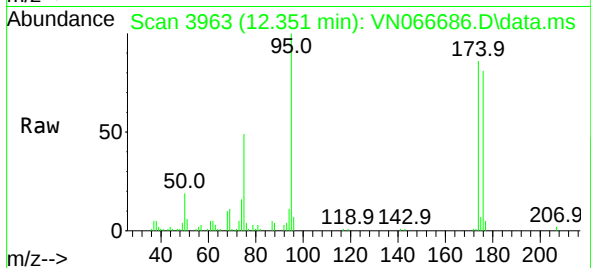




#60
4-Bromofluorobenzene
Concen: 22.41 ug/l
RT: 12.351 min Scan# 3963
Delta R.T. 0.005 min
Lab File: VN066686.D
Acq: 20 Apr 2021 17:14

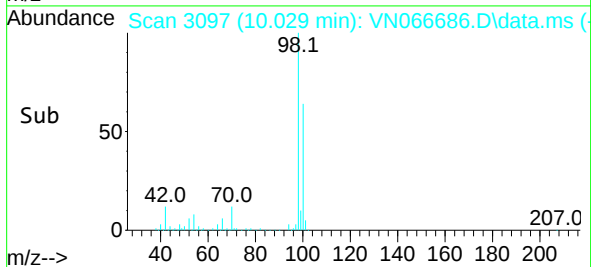
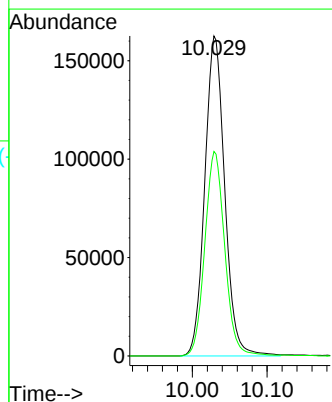
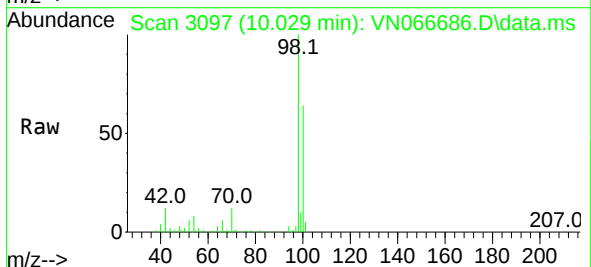
Instrument :
MSVOA_N
ClientSampleId :

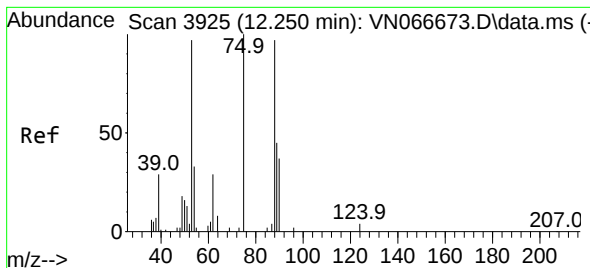
Tgt Ion: 95 Resp: 75266
Ion Ratio Lower Upper
95 100
174 85.3 68.1 102.1
176 79.1 65.4 98.0



#63
Toluene-d8
Concen: 30.55 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066686.D
Acq: 20 Apr 2021 17:14

Tgt Ion: 98 Resp: 301201
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7

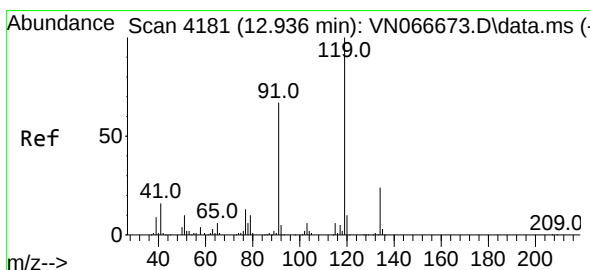
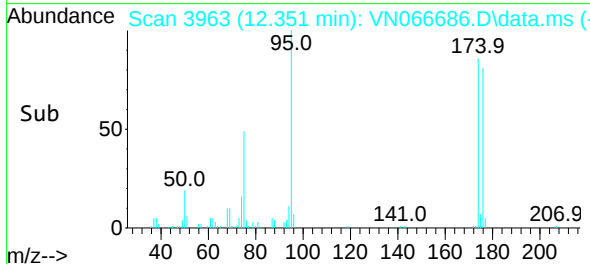
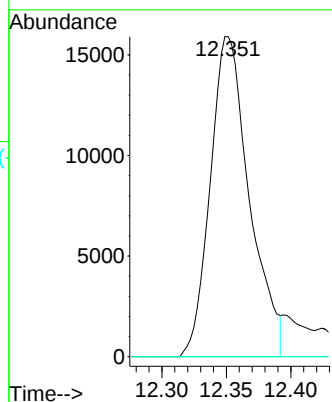
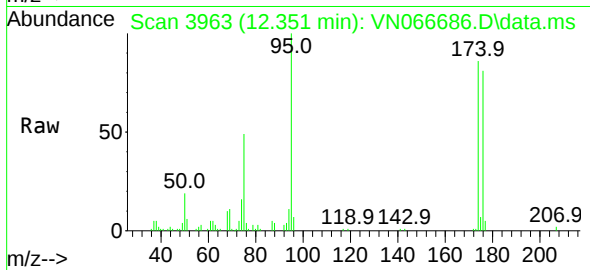




#77
t-1,4-Dichloro-2-butene
Concen: 29.91 ug/l
RT: 12.351 min Scan# 3963
Delta R.T. 0.101 min
Lab File: VN066686.D
Acq: 20 Apr 2021 17:14

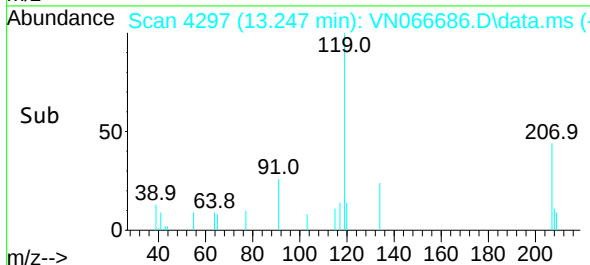
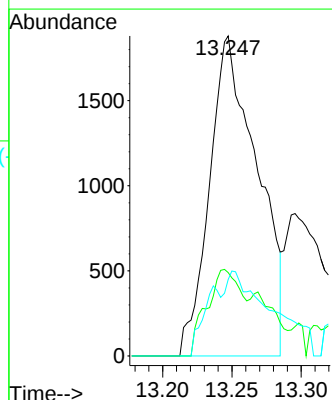
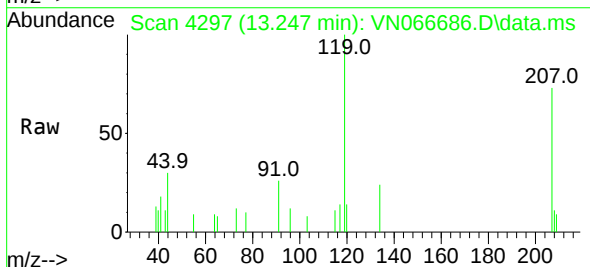
Instrument :
MSVOA_N
ClientSampleId :

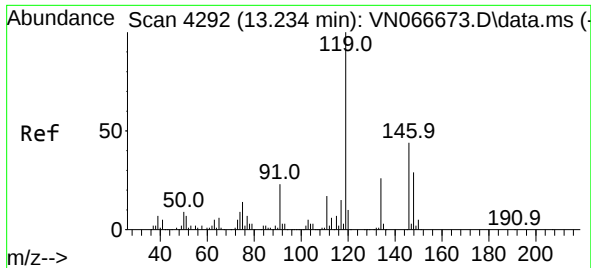
Tgt Ion: 75 Resp: 33557
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.0 22.9 68.7#



#79
tert-butylbenzene
Concen: 0.51 ug/l
RT: 13.247 min Scan# 4297
Delta R.T. 0.311 min
Lab File: VN066686.D
Acq: 20 Apr 2021 17:14

Tgt Ion: 119 Resp: 4500
Ion Ratio Lower Upper
119 100
91 9.2 0.0 133.4
134 3.4 0.0 51.0

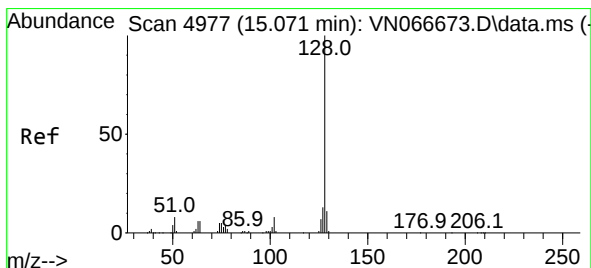
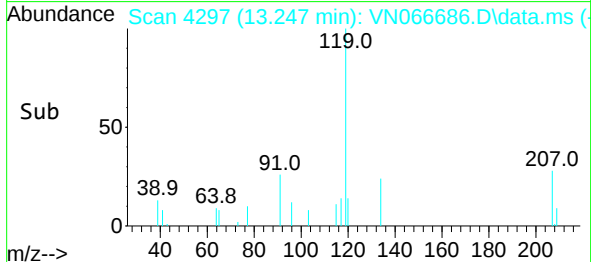
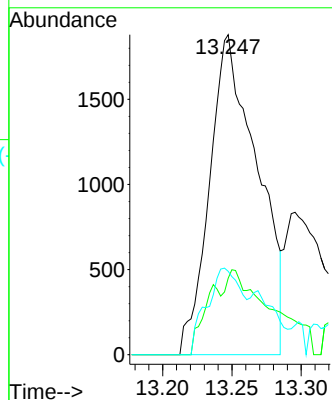
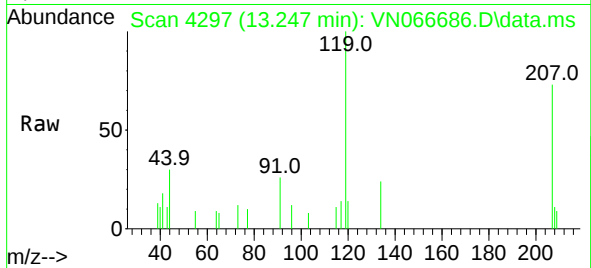




#82
p-Isopropyltoluene
Concen: 0.45 ug/l
RT: 13.247 min Scan# 4297
Delta R.T. 0.013 min
Lab File: VN066686.D
Acq: 20 Apr 2021 17:14

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:119 Resp: 4500
Ion Ratio Lower Upper
119 100
134 3.4 0.0 53.4
91 9.2 0.0 47.6



#91
Naphthalene
Concen: 0.26 ug/l
RT: 15.111 min Scan# 4992
Delta R.T. 0.040 min
Lab File: VN066686.D
Acq: 20 Apr 2021 17:14

Tgt Ion:128 Resp: 1837
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

