

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032421\
 Data File : VN066315.D
 Acq On : 24 Mar 2021 18:16
 Operator : JC/MD
 Sample : VN0324WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324WBL01

Quant Time: Mar 25 06:00:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 05:52:50 2021
 Response via : Initial Calibration

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

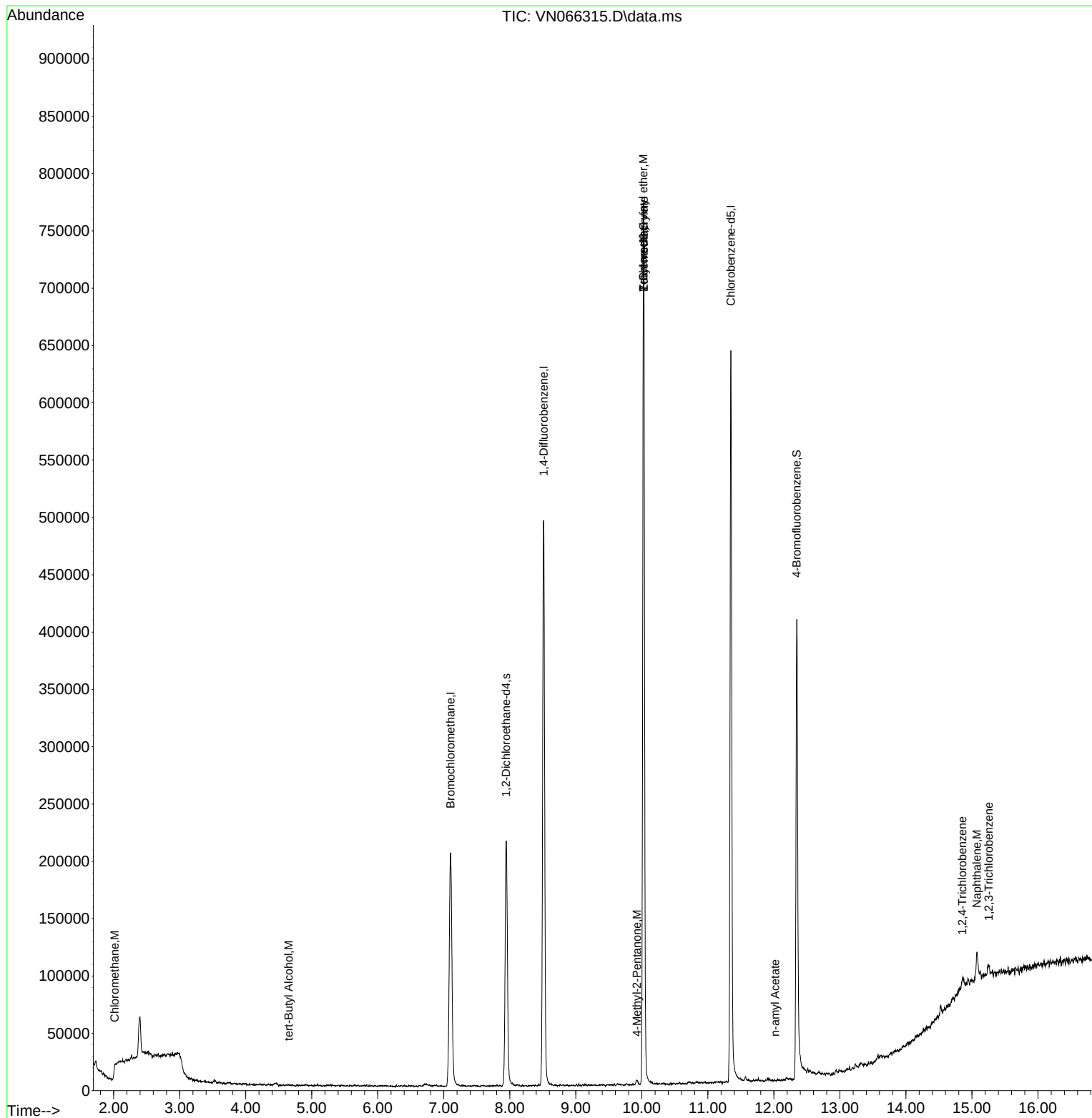
Internal Standards						
1) Bromochloromethane	7.102	128	81831	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.513	114	444662	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.347	117	373055	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.944	65	187333	29.78	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.27%
60) 4-Bromofluorobenzene	12.345	95	153293	26.33	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.77%
63) Toluene-d8	10.025	98	538661	30.77	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.57%
Target Compounds						Qvalue
3) Chloromethane	2.011	50	1781	0.31	ug/l	94
13) Acrolein	3.605	56	66	Below Cal		86
23) tert-Butyl Alcohol	4.648	59	267	0.24	ug/l #	100
47) n-amyl Acetate	12.018	43	101	6.15	ug/l	97
51) Ethyl methacrylate	10.028	69	2489	0.32	ug/l	81
55) 2-Chloroethyl vinyl ether	10.023	63	545	0.46	ug/l #	1
58) 4-Methyl-2-Pentanone	9.926	43	2374	0.32	ug/l #	57
89) 1,2,4-Trichlorobenzene	14.855	180	2973	0.54	ug/l #	62
91) Naphthalene	15.075	128	24718	1.48	ug/l	99
92) 1,2,3-Trichlorobenzene	15.255	180	4219	0.79	ug/l	80

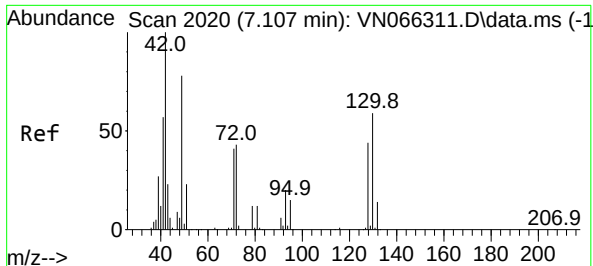
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032421\
Data File : VN066315.D
Acq On : 24 Mar 2021 18:16
Operator : JC/MD
Sample : VN0324WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Quant Time: Mar 25 06:00:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 25 05:52:50 2021
Response via : Initial Calibration

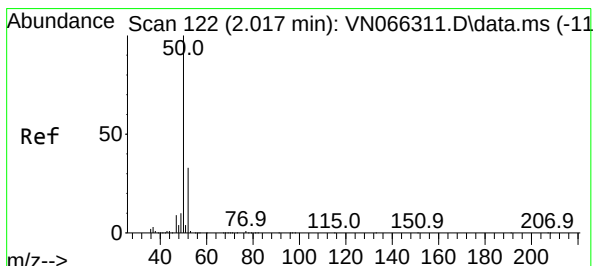
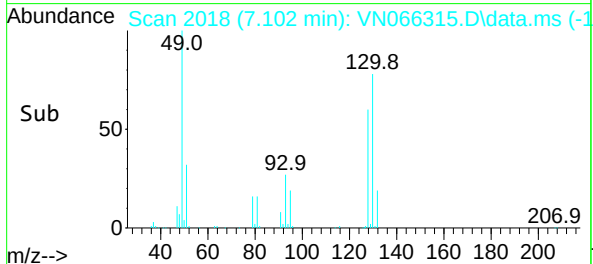
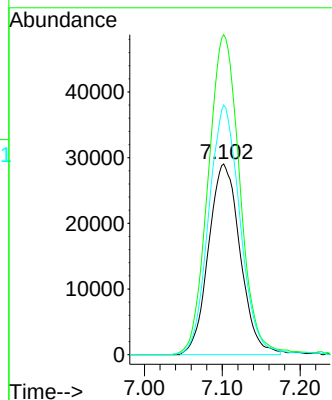
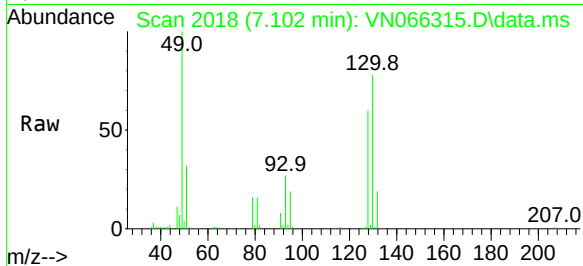




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.102 min Scan# 2018
Delta R.T. -0.005 min
Lab File: VN066315.D
Acq: 24 Mar 2021 18:16

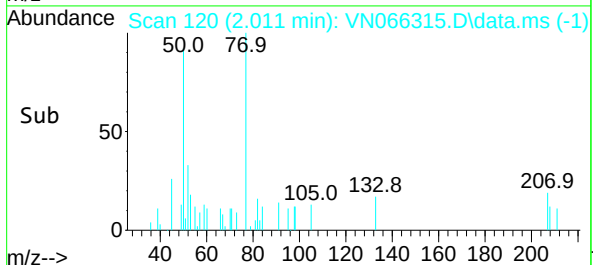
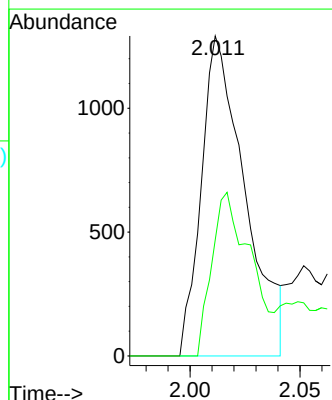
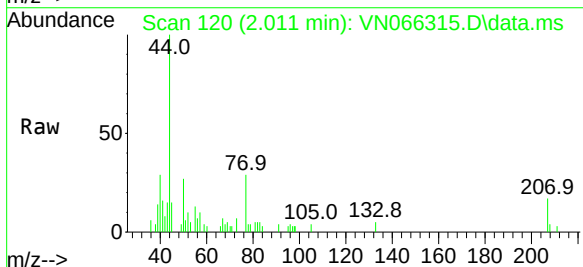
Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

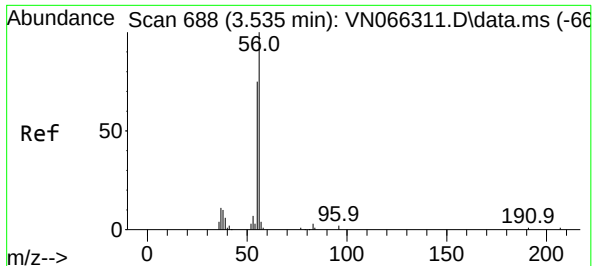
Tgt Ion:128 Resp: 81831
Ion Ratio Lower Upper
128 100
49 167.2 0.0 429.3
130 128.5 0.0 328.5



#3
Chloromethane
Concen: 0.31 ug/l
RT: 2.011 min Scan# 120
Delta R.T. -0.006 min
Lab File: VN066315.D
Acq: 24 Mar 2021 18:16

Tgt Ion: 50 Resp: 1781
Ion Ratio Lower Upper
50 100
52 36.3 26.2 39.4





#13

Acrolein

Concen: Below Cal

RT: 3.605 min Scan# 714

Delta R.T. 0.070 min

Lab File: VN066315.D

Acq: 24 Mar 2021 18:16

Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

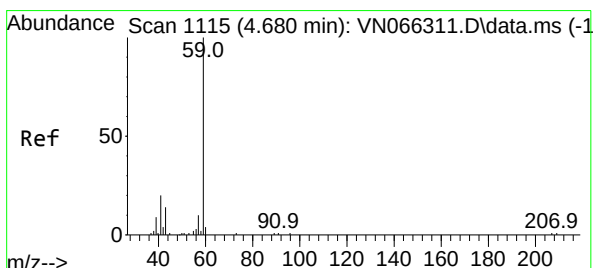
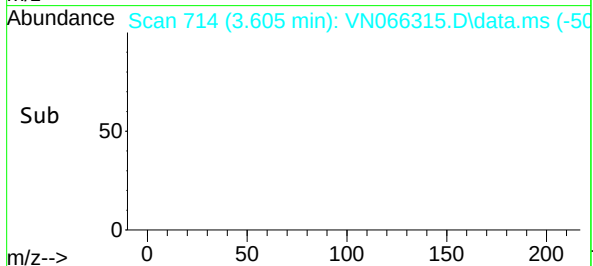
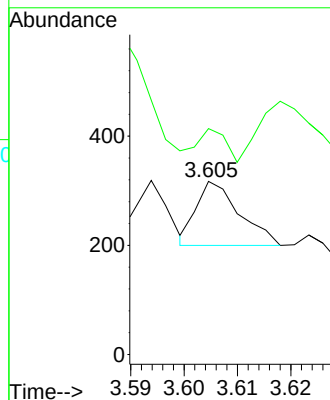
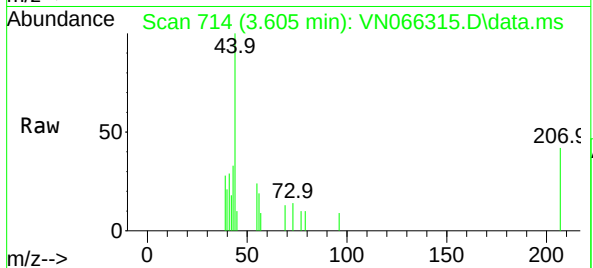
55 78.8 54.1 81.1

Instrument :

MSVOA_N

ClientSampleId :

VN0324WBL01



#23

tert-Butyl Alcohol

Concen: 0.24 ug/l

RT: 4.648 min Scan# 1103

Delta R.T. -0.032 min

Lab File: VN066315.D

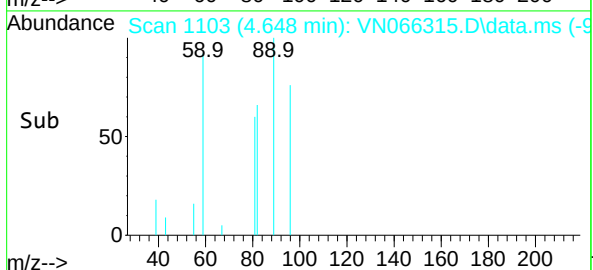
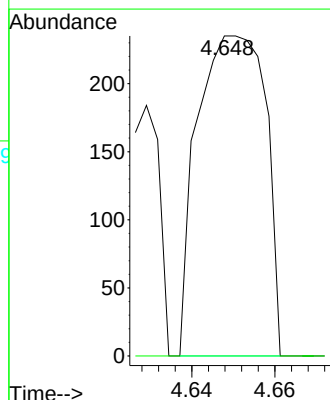
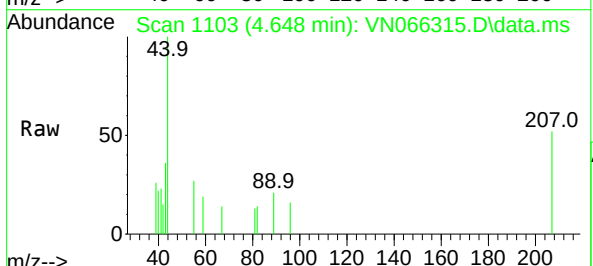
Acq: 24 Mar 2021 18:16

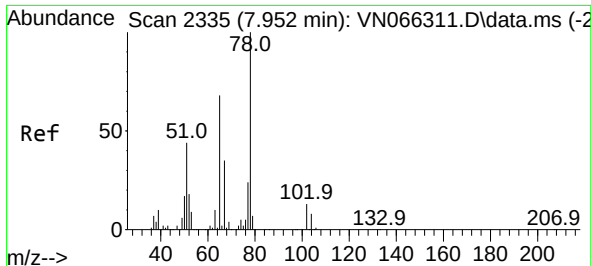
Tgt Ion: 59 Resp: 267

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 29.78 ug/l

RT: 7.944 min Scan# 2332

Delta R.T. -0.008 min

Lab File: VN066315.D

Acq: 24 Mar 2021 18:16

Tgt Ion: 65 Resp: 187333

Ion Ratio Lower Upper

65 100

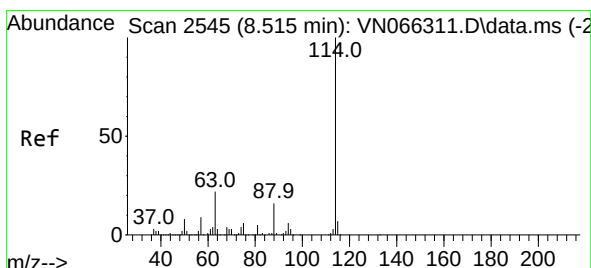
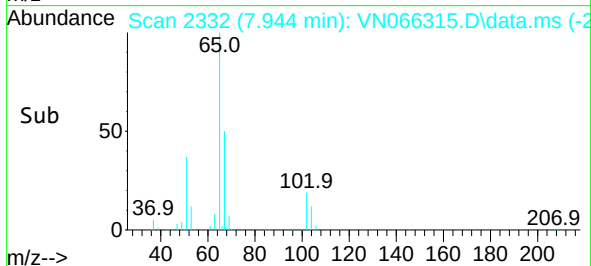
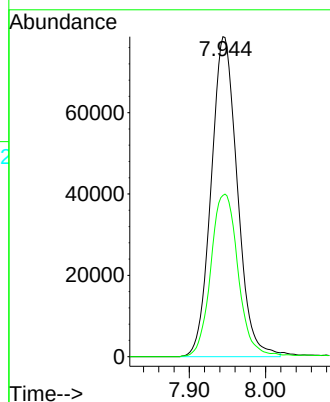
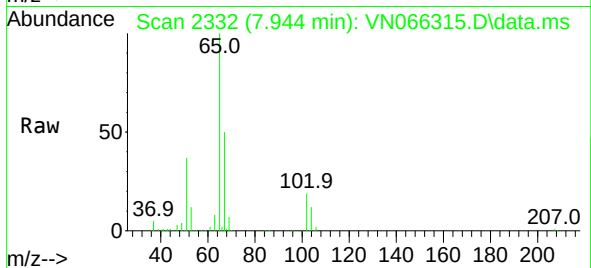
67 52.7 42.2 63.4

Instrument :

MSVOA_N

ClientSampleId :

VN0324WBL01



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.513 min Scan# 2544

Delta R.T. -0.002 min

Lab File: VN066315.D

Acq: 24 Mar 2021 18:16

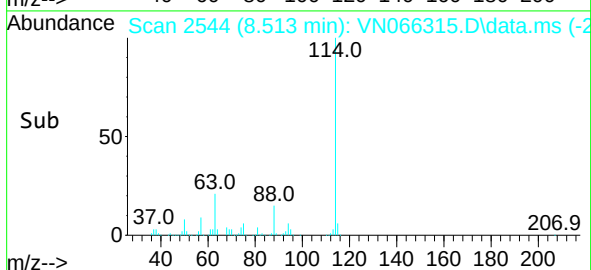
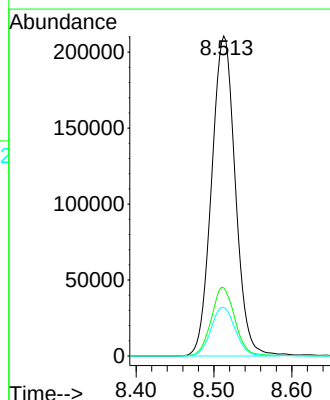
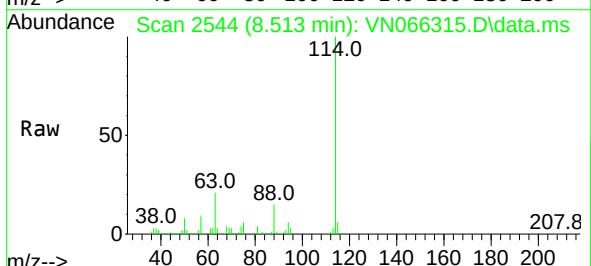
Tgt Ion: 114 Resp: 444662

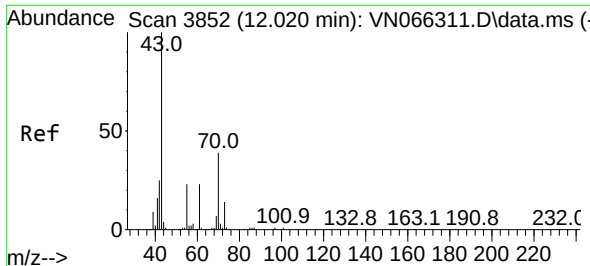
Ion Ratio Lower Upper

114 100

63 21.4 17.4 26.0

88 15.5 12.6 19.0

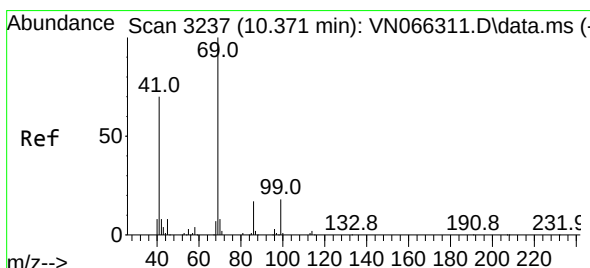
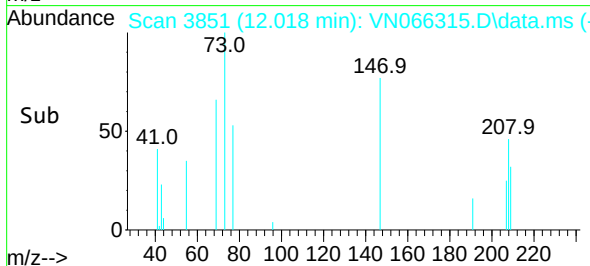
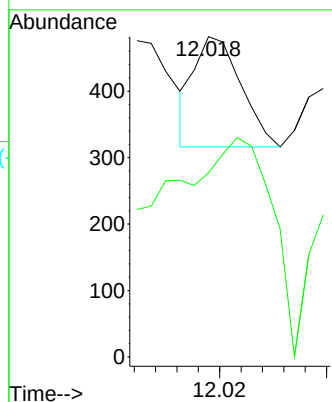
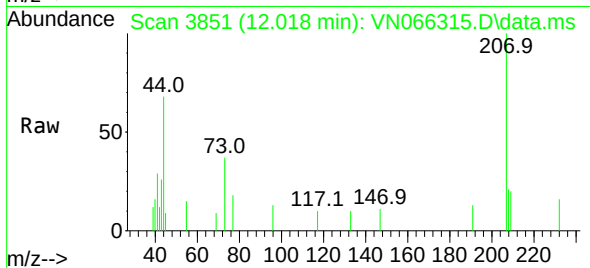




#47
n-amy1 Acetate
Concen: 6.15 ug/l
RT: 12.018 min Scan# 3851
Delta R.T. -0.002 min
Lab File: VN066315.D
Acq: 24 Mar 2021 18:16

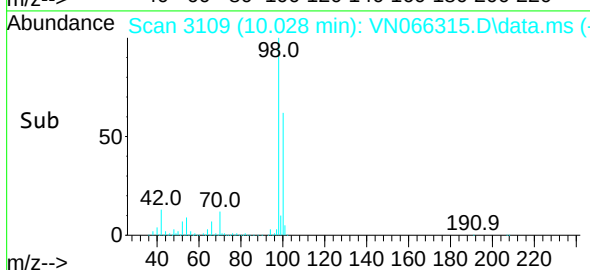
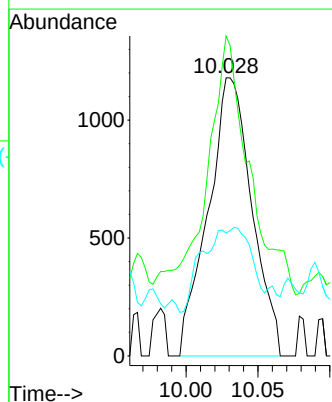
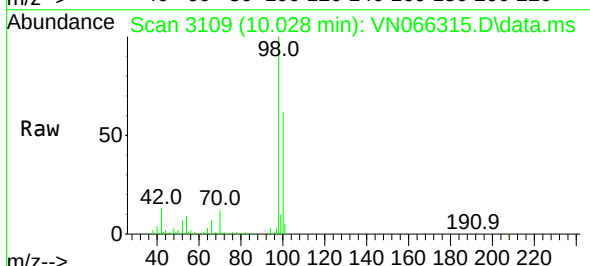
Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

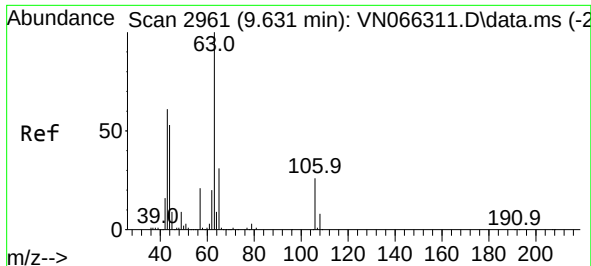
Tgt Ion: 43 Resp: 101
Ion Ratio Lower Upper
43 100
55 20.8 17.7 26.5



#51
Ethyl methacrylate
Concen: 0.32 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.343 min
Lab File: VN066315.D
Acq: 24 Mar 2021 18:16

Tgt Ion: 69 Resp: 2489
Ion Ratio Lower Upper
69 100
41 82.4 34.8 104.5
39 28.5 22.5 67.5

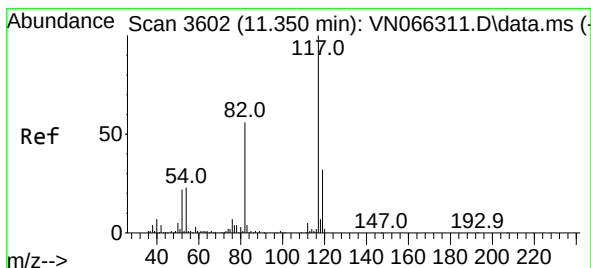
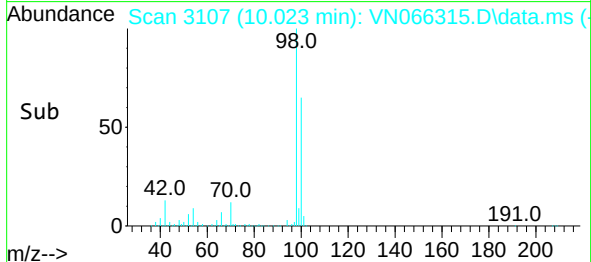
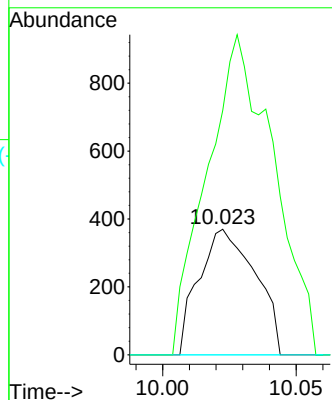
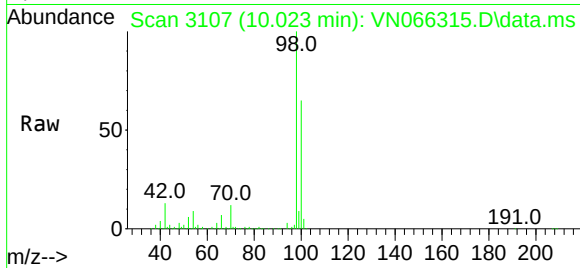




#55
2-Chloroethyl vinyl ether
Concen: 0.46 ug/l
RT: 10.023 min Scan# 3107
Delta R.T. 0.392 min
Lab File: VN066315.D
Acq: 24 Mar 2021 18:16

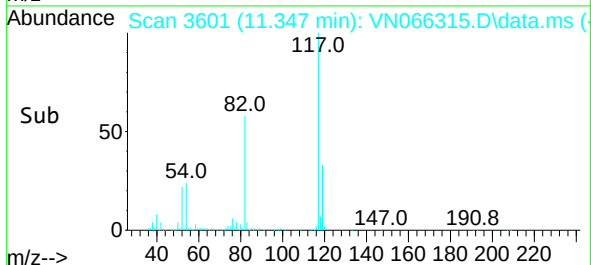
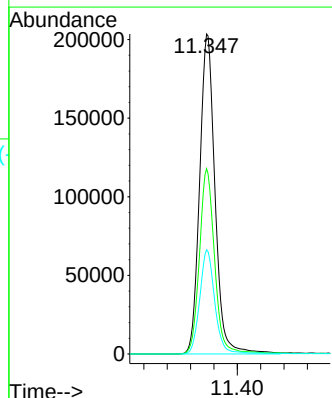
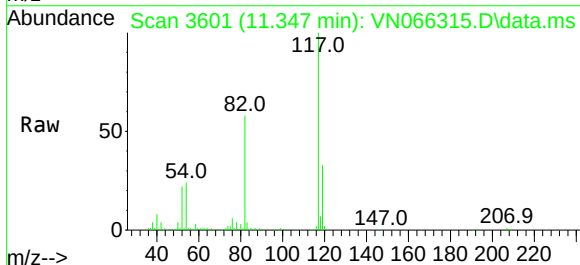
Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

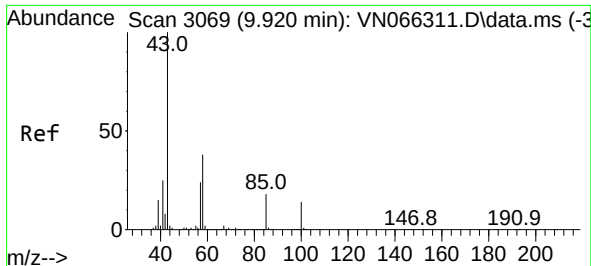
Tgt Ion: 63 Resp: 545
Ion Ratio Lower Upper
63 100
65 216.7 26.0 39.0#
106 0.0 20.6 31.0#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066315.D
Acq: 24 Mar 2021 18:16

Tgt Ion:117 Resp: 373055
Ion Ratio Lower Upper
117 100
82 56.4 45.0 67.6
119 31.7 25.5 38.3

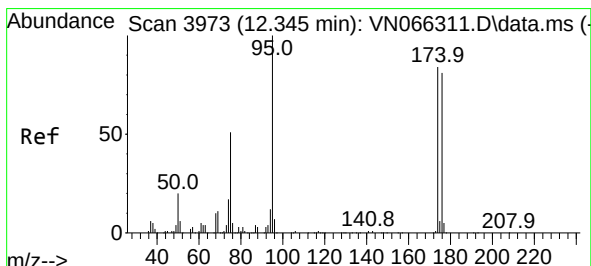
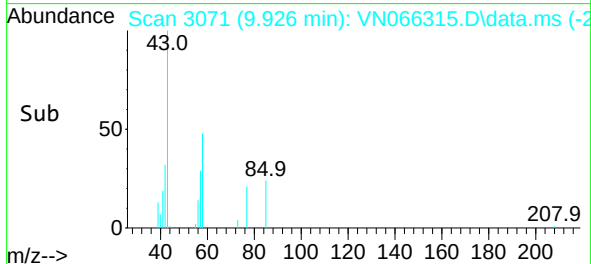
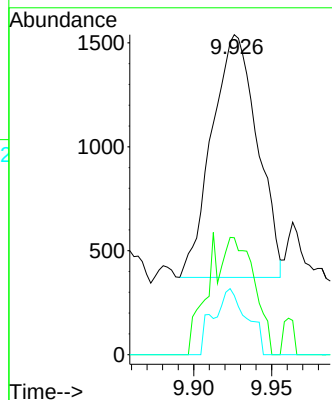
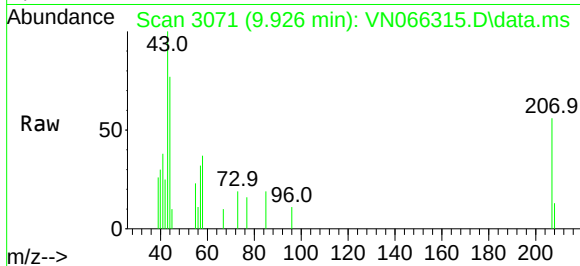




#58
4-Methyl-2-Pentanone
Concen: 0.32 ug/l
RT: 9.926 min Scan# 3071
Delta R.T. 0.006 min
Lab File: VN066315.D
Acq: 24 Mar 2021 18:16

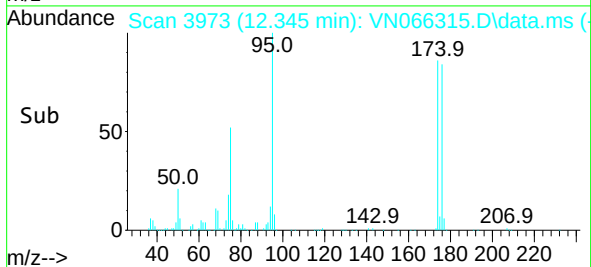
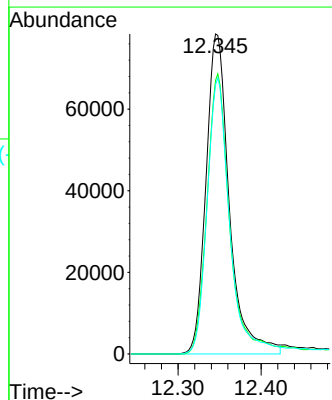
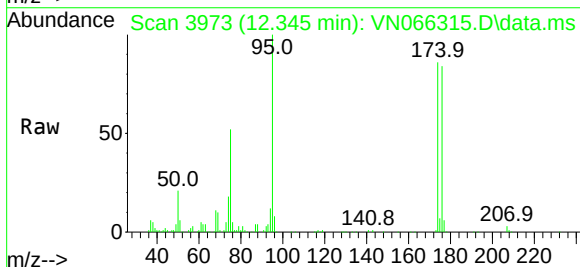
Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

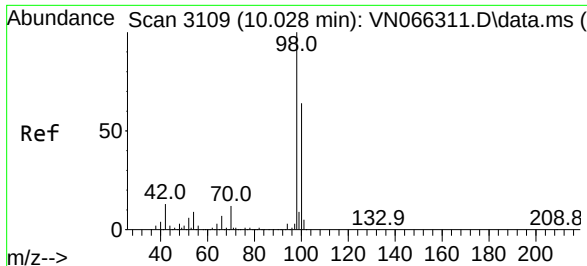
Tgt Ion: 43 Resp: 2374
Ion Ratio Lower Upper
43 100
58 5.6 30.4 45.6#
85 8.5 13.8 20.8#



#60
4-Bromofluorobenzene
Concen: 26.33 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.000 min
Lab File: VN066315.D
Acq: 24 Mar 2021 18:16

Tgt Ion: 95 Resp: 153293
Ion Ratio Lower Upper
95 100
174 82.0 68.1 102.1
176 83.4 65.4 98.0

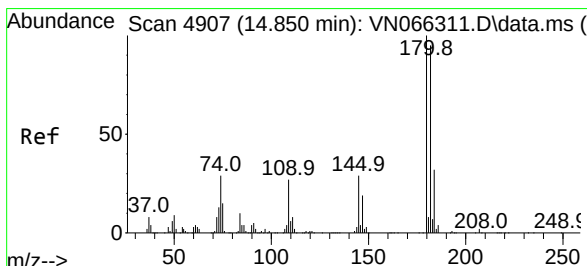
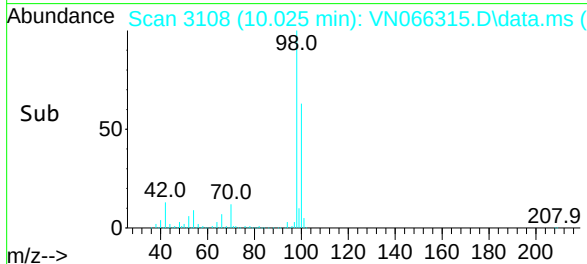
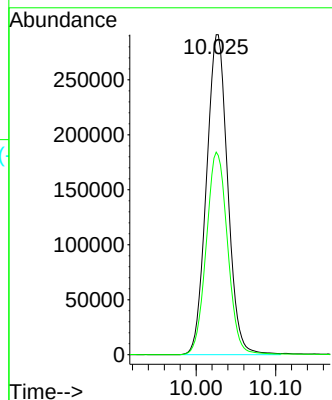
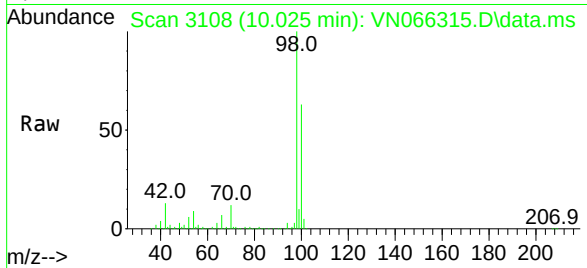




#63
Toluene-d8
Concen: 30.77 ug/l
RT: 10.025 min Scan# 3108
Delta R.T. -0.003 min
Lab File: VN066315.D
Acq: 24 Mar 2021 18:16

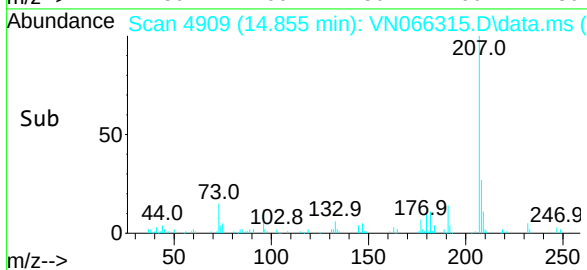
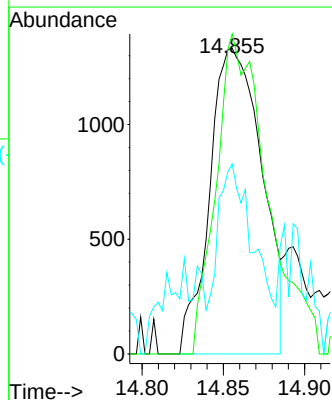
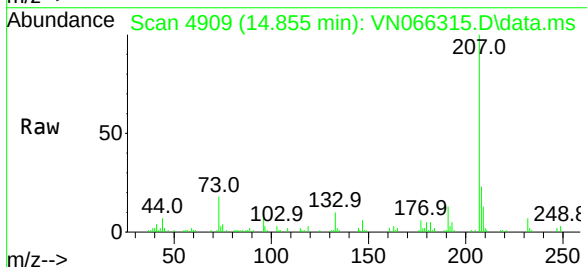
Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

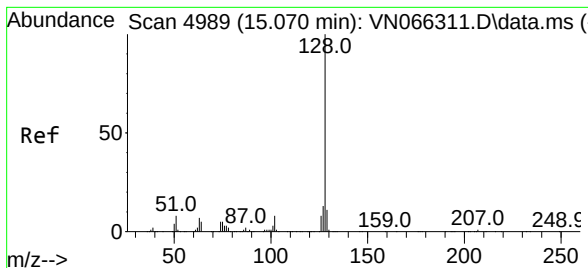
Tgt Ion: 98 Resp: 538661
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#89
1,2,4-Trichlorobenzene
Concen: 0.54 ug/l
RT: 14.855 min Scan# 4909
Delta R.T. 0.006 min
Lab File: VN066315.D
Acq: 24 Mar 2021 18:16

Tgt Ion:180 Resp: 2973
Ion Ratio Lower Upper
180 100
182 50.6 74.3 111.5#
145 18.8 23.4 35.0#

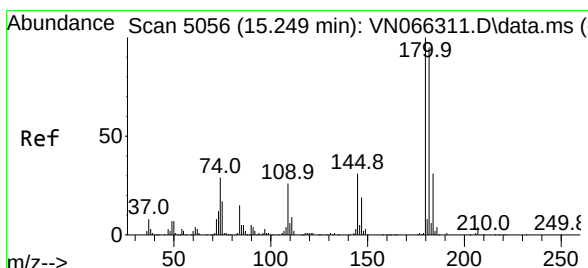
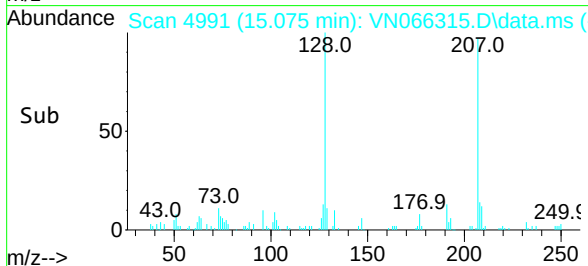
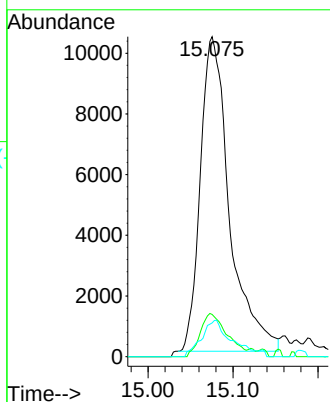
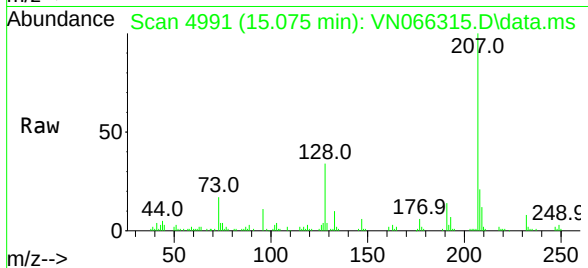




#91
Naphthalene
Concen: 1.48 ug/l
RT: 15.075 min Scan# 4991
Delta R.T. 0.006 min
Lab File: VN066315.D
Acq: 24 Mar 2021 18:16

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Tgt Ion:128	Resp:	24718
Ion Ratio	Lower	Upper
128	100	
127	12.5	10.2 15.2
129	10.5	8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 0.79 ug/l
RT: 15.255 min Scan# 5058
Delta R.T. 0.006 min
Lab File: VN066315.D
Acq: 24 Mar 2021 18:16

Tgt Ion:180	Resp:	4219
Ion Ratio	Lower	Upper
180	100	
182	84.1	0.0 190.0
145	4.8	0.0 60.8

