

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112621\
 Data File : VN069650.D
 Acq On : 26 Nov 2021 11:02
 Operator : JC/MD
 Sample : VN1126WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 29 00:15:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 Response via : Initial Calibration

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

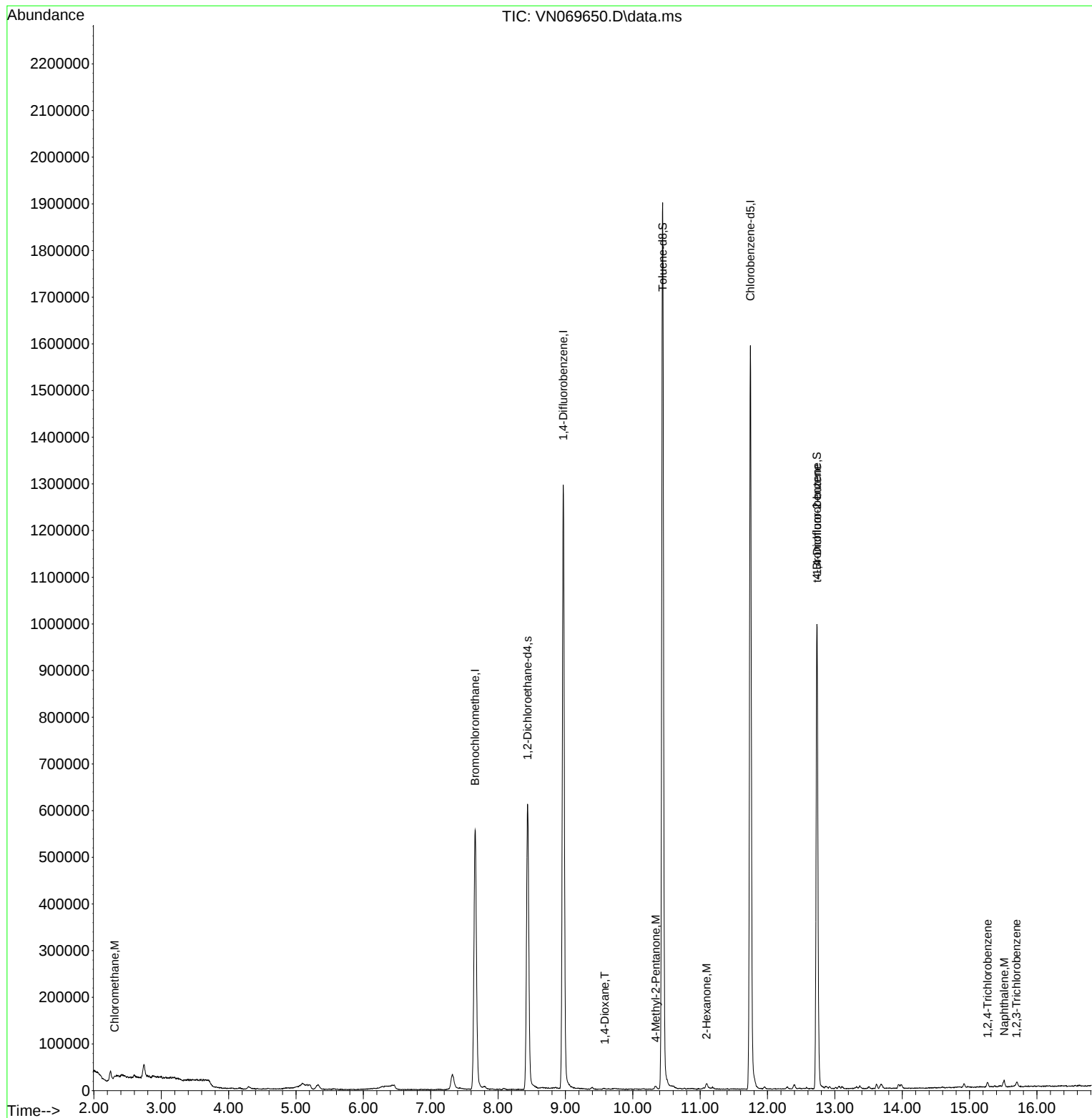
Internal Standards						
1) Bromochloromethane	7.659	128	192993	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	1110713	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	923400	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	543906	32.496	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.333%
60) 4-Bromofluorobenzene	12.734	95	364227	24.648	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.167%
63) Toluene-d8	10.443	98	1332084	31.243	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.133%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	3012	0.203	ug/l #	86
45) 1,4-Dioxane	9.582	88	205	0.712	ug/l #	56
58) 4-Methyl-2-Pentanone	10.341	43	4915	0.242	ug/l #	47
59) 2-Hexanone	11.095	43	10005	0.649	ug/l #	68
77) t-1,4-Dichloro-2-butene	12.736	75	201349	42.480	ug/l #	8
89) 1,2,4-Trichlorobenzene	15.268	180	3323	0.334	ug/l #	89
91) Naphthalene	15.515	128	12005	0.418	ug/l #	94
92) 1,2,3-Trichlorobenzene	15.697	180	3768	0.385	ug/l	43

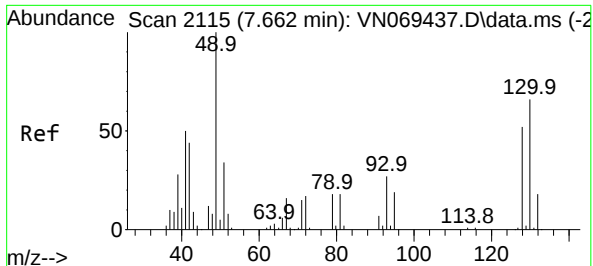
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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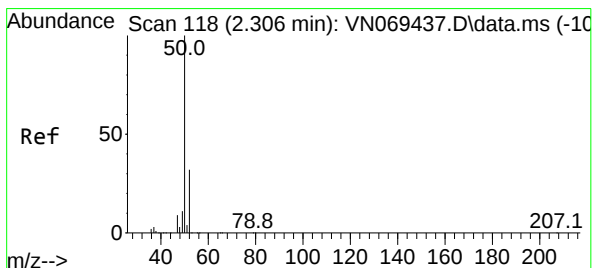
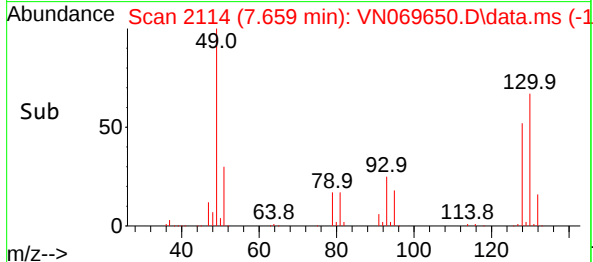
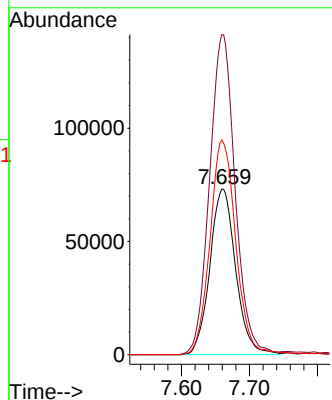
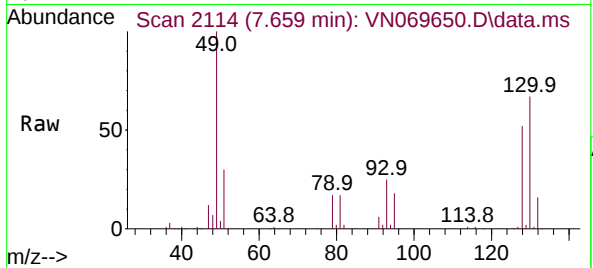




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VN069650.D
Acq: 26 Nov 2021 11:02

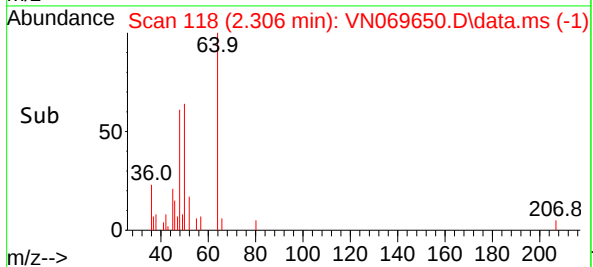
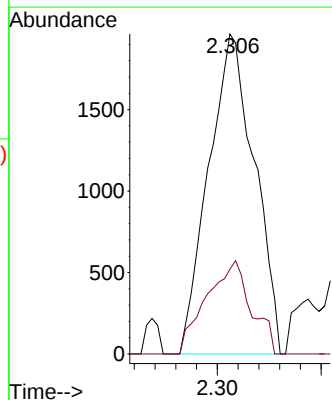
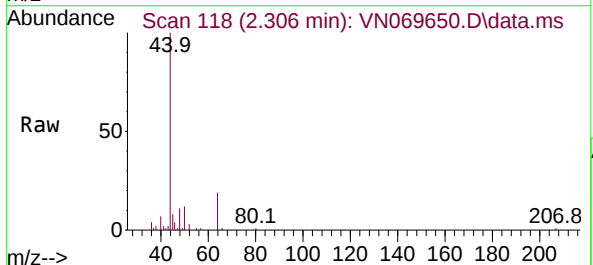
Instrument :
MSVOA_N
ClientSampleId :

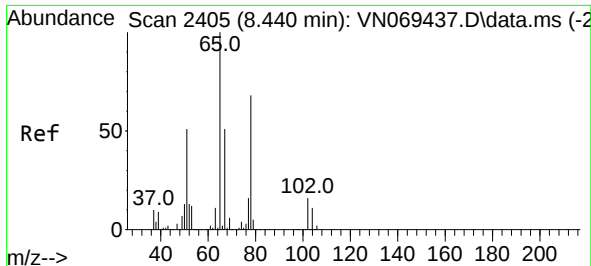
Tgt Ion:128 Resp: 192993
Ion Ratio Lower Upper
128 100
49 191.4 0.0 392.3
130 127.9 0.0 320.2



#3
Chloromethane
Concen: 0.203 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069650.D
Acq: 26 Nov 2021 11:02

Tgt Ion: 50 Resp: 3012
Ion Ratio Lower Upper
50 100
52 26.5 27.8 41.6#





#27

1,2-Dichloroethane-d4

Concen: 32.496 ug/l

RT: 8.437 min Scan# 2405

Delta R.T. -0.002 min

Lab File: VN069650.D

Acq: 26 Nov 2021 11:02

Instrument :

MSVOA_N

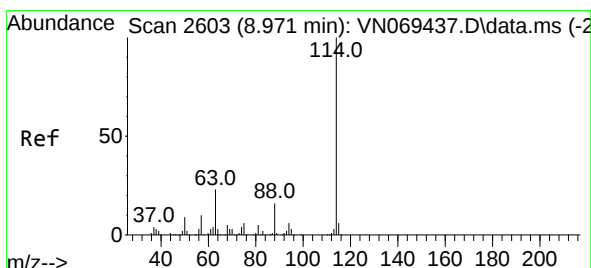
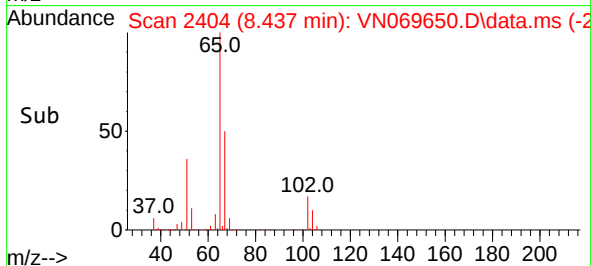
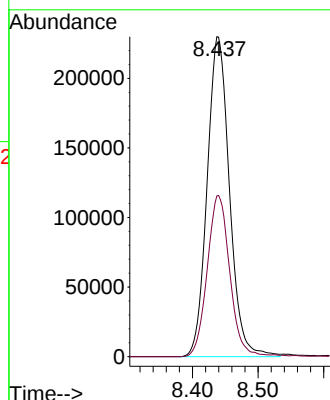
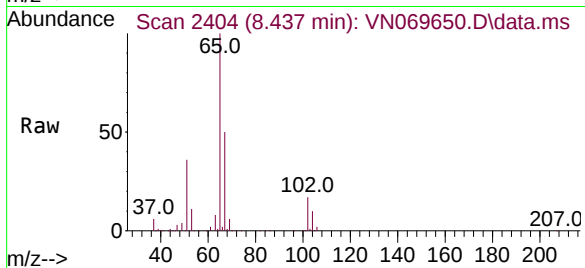
ClientSampleId :

Tgt Ion: 65 Resp: 543906

Ion Ratio Lower Upper

65 100

67 50.7 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.002 min

Lab File: VN069650.D

Acq: 26 Nov 2021 11:02

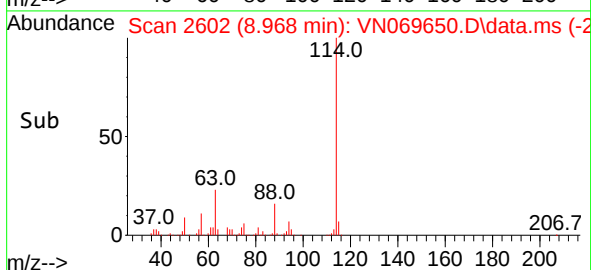
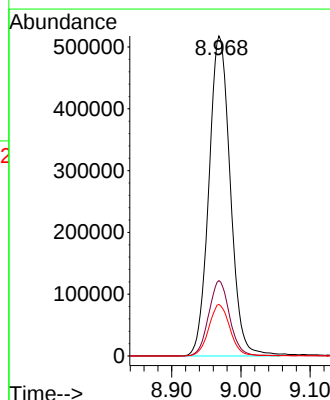
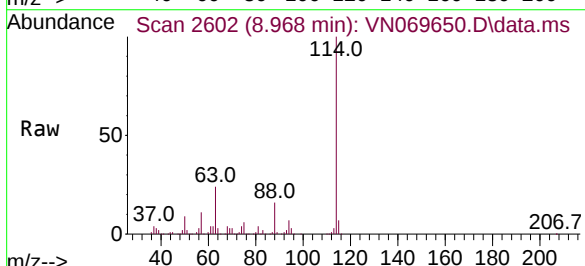
Tgt Ion: 114 Resp: 1110713

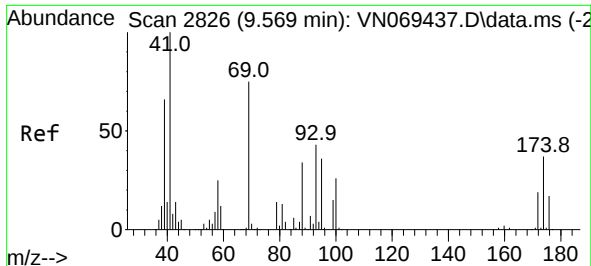
Ion Ratio Lower Upper

114 100

63 23.1 15.8 23.6

88 15.8 11.6 17.4





#45

1,4-Dioxane

Concen: 0.712 ug/l

RT: 9.582 min Scan# 2826

Delta R.T. 0.014 min

Lab File: VN069650.D

Acq: 26 Nov 2021 11:02

Instrument :

MSVOA_N

ClientSampleId :

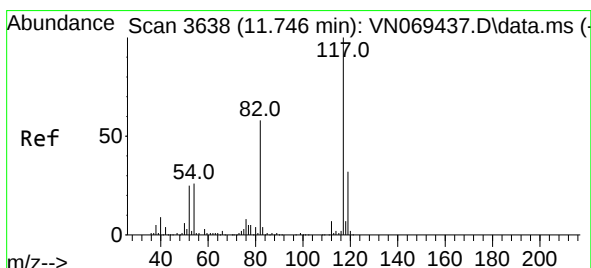
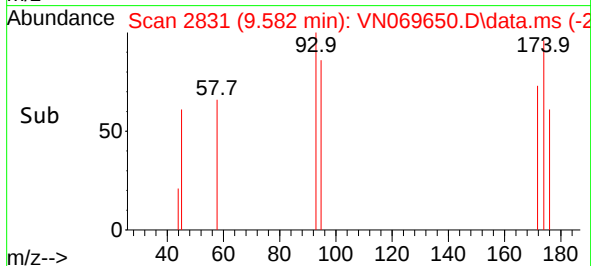
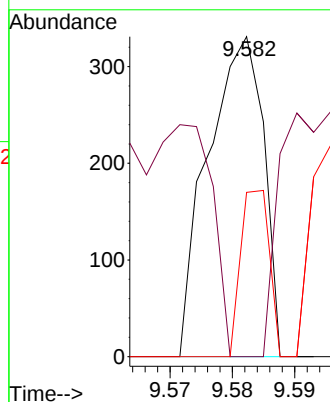
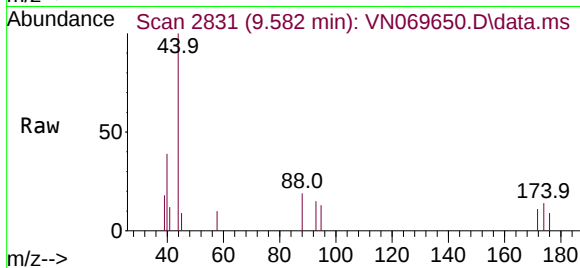
Tgt Ion: 88 Resp: 205

Ion Ratio Lower Upper

88 100

43 54.6 25.0 37.6#

58 26.8 49.4 74.2#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.747 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VN069650.D

Acq: 26 Nov 2021 11:02

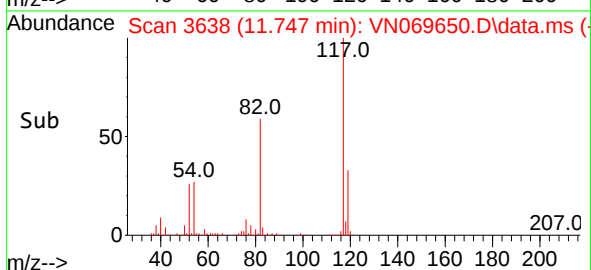
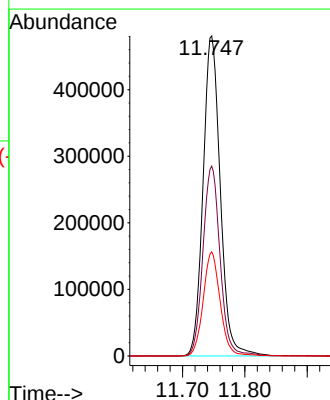
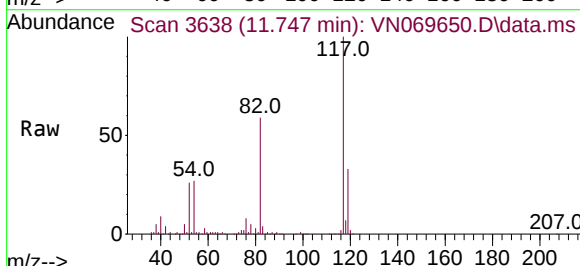
Tgt Ion:117 Resp: 923400

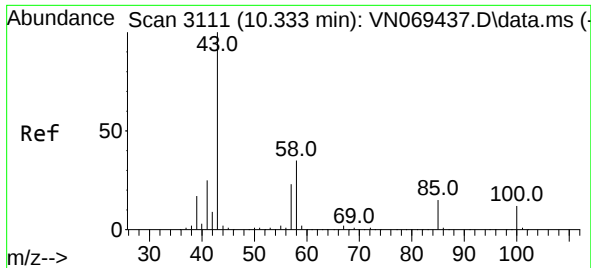
Ion Ratio Lower Upper

117 100

82 59.1 43.6 65.4

119 32.0 25.8 38.6

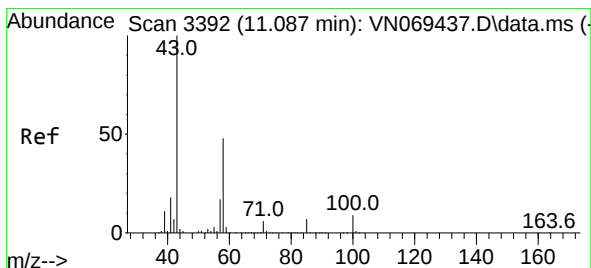
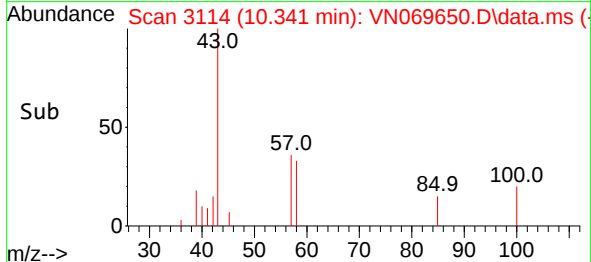
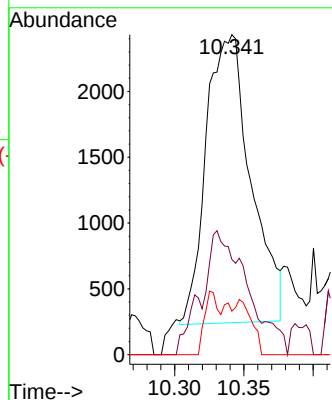
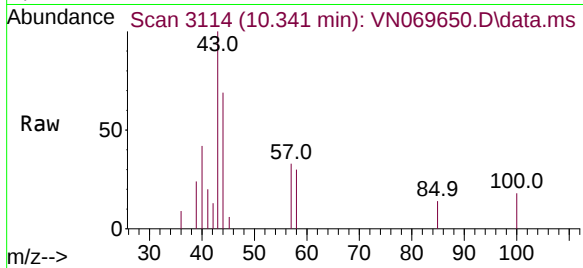




#58
4-Methyl-2-Pentanone
Concen: 0.242 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.011 min
Lab File: VN069650.D
Acq: 26 Nov 2021 11:02

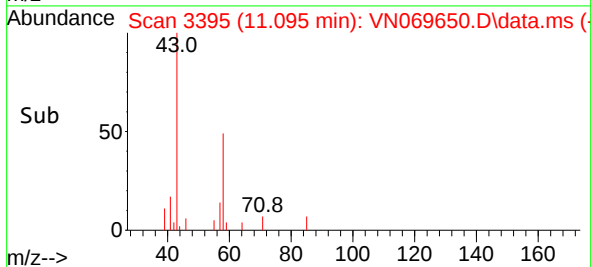
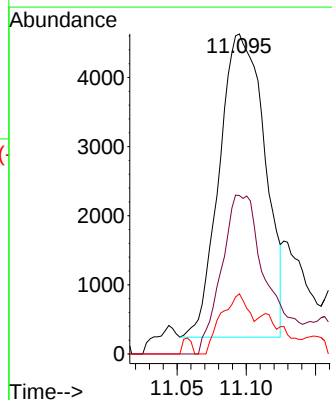
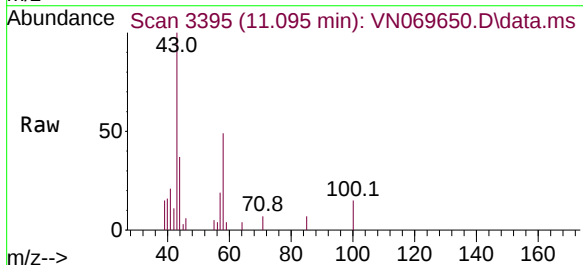
Instrument :
MSVOA_N
ClientSampleId :

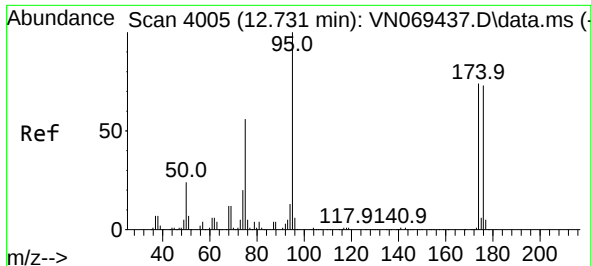
Tgt Ion: 43 Resp: 4915
Ion Ratio Lower Upper
43 100
58 0.0 30.0 45.0#
85 3.6 15.0 22.6#



#59
2-Hexanone
Concen: 0.649 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN069650.D
Acq: 26 Nov 2021 11:02

Tgt Ion: 43 Resp: 10005
Ion Ratio Lower Upper
43 100
58 25.8 42.2 63.2#
57 12.4 15.0 22.4#

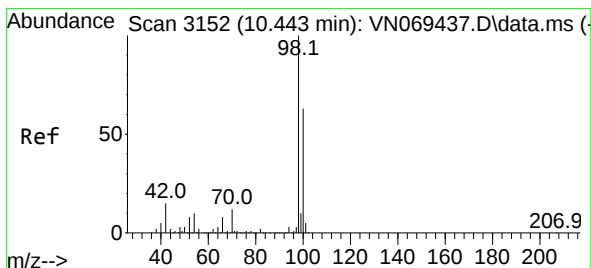
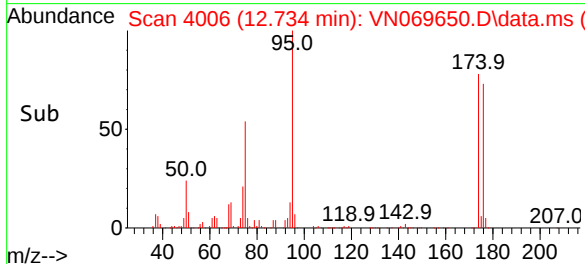
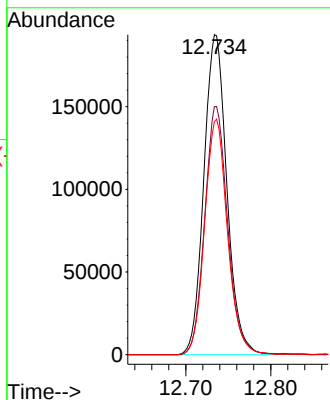
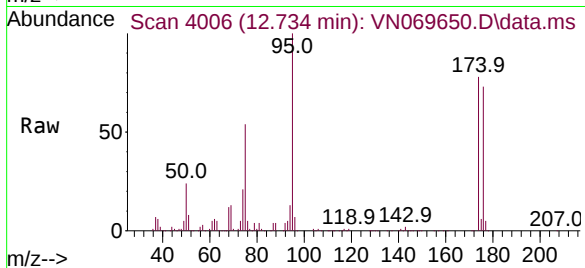




#60
4-Bromofluorobenzene
Concen: 24.648 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.000 min
Lab File: VN069650.D
Acq: 26 Nov 2021 11:02

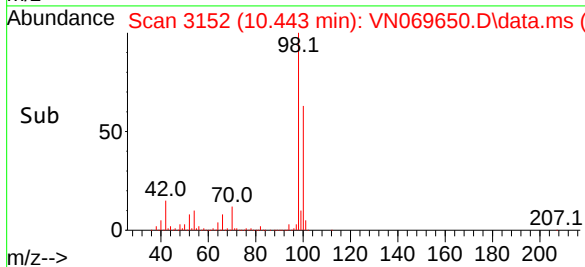
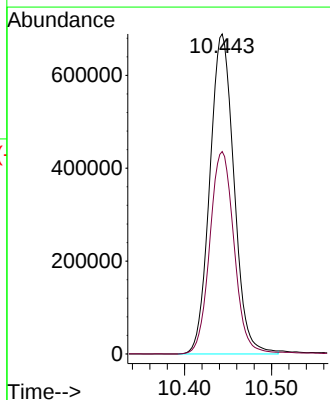
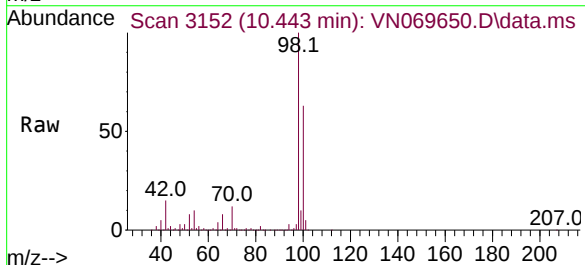
Instrument :
MSVOA_N
ClientSampleId :

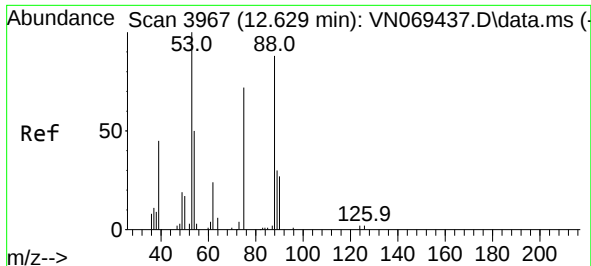
Tgt Ion: 95 Resp: 364227
Ion Ratio Lower Upper
95 100
174 77.0 62.9 94.3
176 73.0 61.0 91.4



#63
Toluene-d8
Concen: 31.243 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069650.D
Acq: 26 Nov 2021 11:02

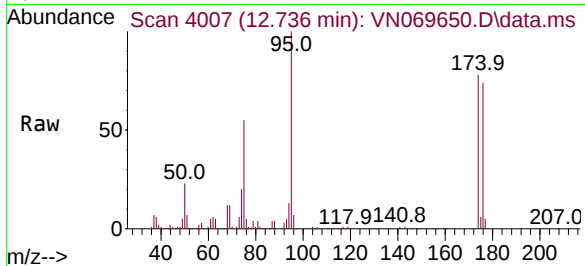
Tgt Ion: 98 Resp: 1332084
Ion Ratio Lower Upper
98 100
100 63.5 50.6 76.0



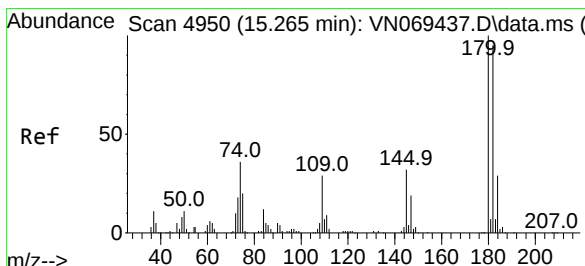
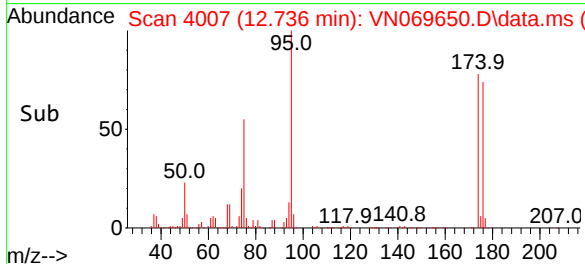
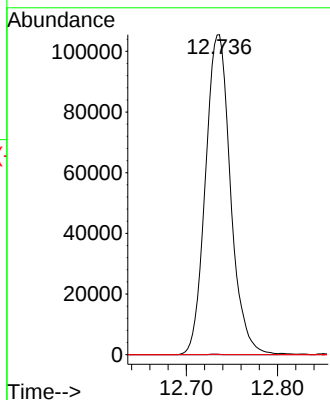


#77
 t-1,4-Dichloro-2-butene
 Concen: 42.480 ug/l
 RT: 12.736 min Scan# 4007
 Delta R.T. 0.108 min
 Lab File: VN069650.D
 Acq: 26 Nov 2021 11:02

Instrument :
 MSVOA_N
 ClientSampleId :

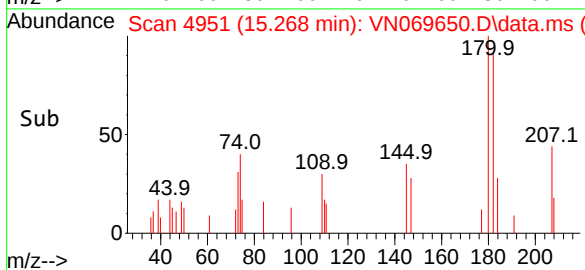
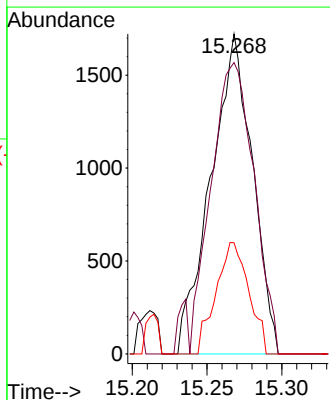
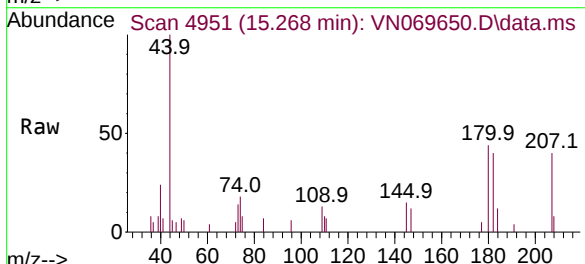


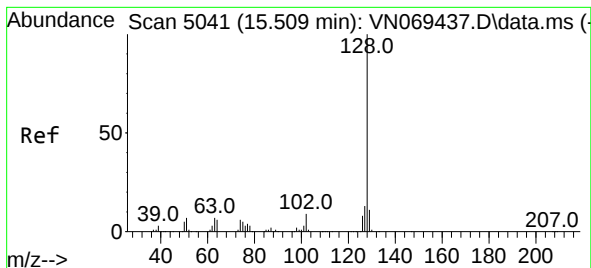
Tgt Ion: 75 Resp: 201349
 Ion Ratio Lower Upper
 75 100
 53 0.2 51.8 155.5#
 89 0.0 22.9 68.7#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.334 ug/l
 RT: 15.268 min Scan# 4951
 Delta R.T. 0.003 min
 Lab File: VN069650.D
 Acq: 26 Nov 2021 11:02

Tgt Ion:180 Resp: 3323
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.7 116.5
 145 13.5 26.6 39.8#





#91

Naphthalene

Concen: 0.418 ug/l

RT: 15.515 min Scan# 5041

Delta R.T. 0.008 min

Lab File: VN069650.D

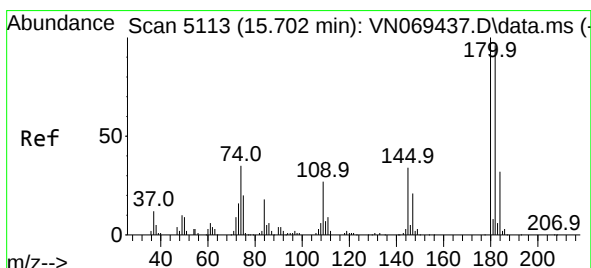
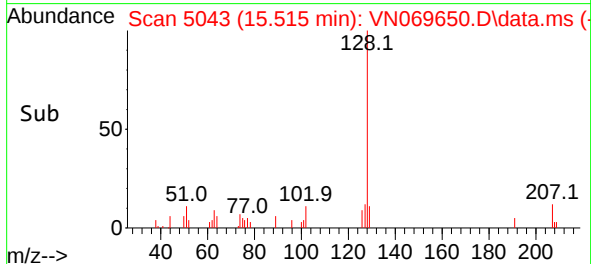
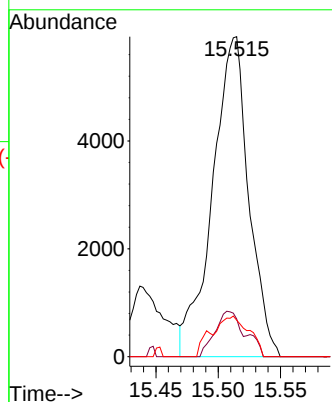
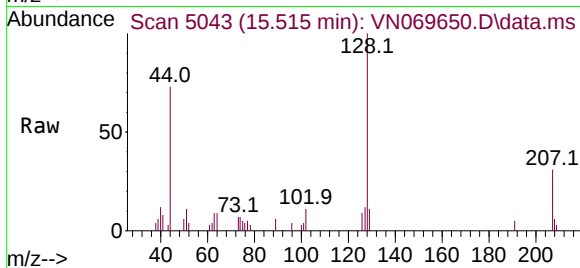
Acq: 26 Nov 2021 11:02

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	12005
Ion Ratio	Lower	Upper
128	100	
127	9.5	10.7 16.1#
129	10.3	9.0 13.6



#92

1,2,3-Trichlorobenzene

Concen: 0.385 ug/l

RT: 15.697 min Scan# 5111

Delta R.T. -0.005 min

Lab File: VN069650.D

Acq: 26 Nov 2021 11:02

Tgt Ion:180	Resp:	3768
Ion Ratio	Lower	Upper
180	100	
182	36.7	0.0 190.0
145	6.5	0.0 67.8

