

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112321\
 Data File : VN069622.D
 Acq On : 23 Nov 2021 12:23
 Operator : JC/MD
 Sample : VN1123WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 24 02:25:49 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)

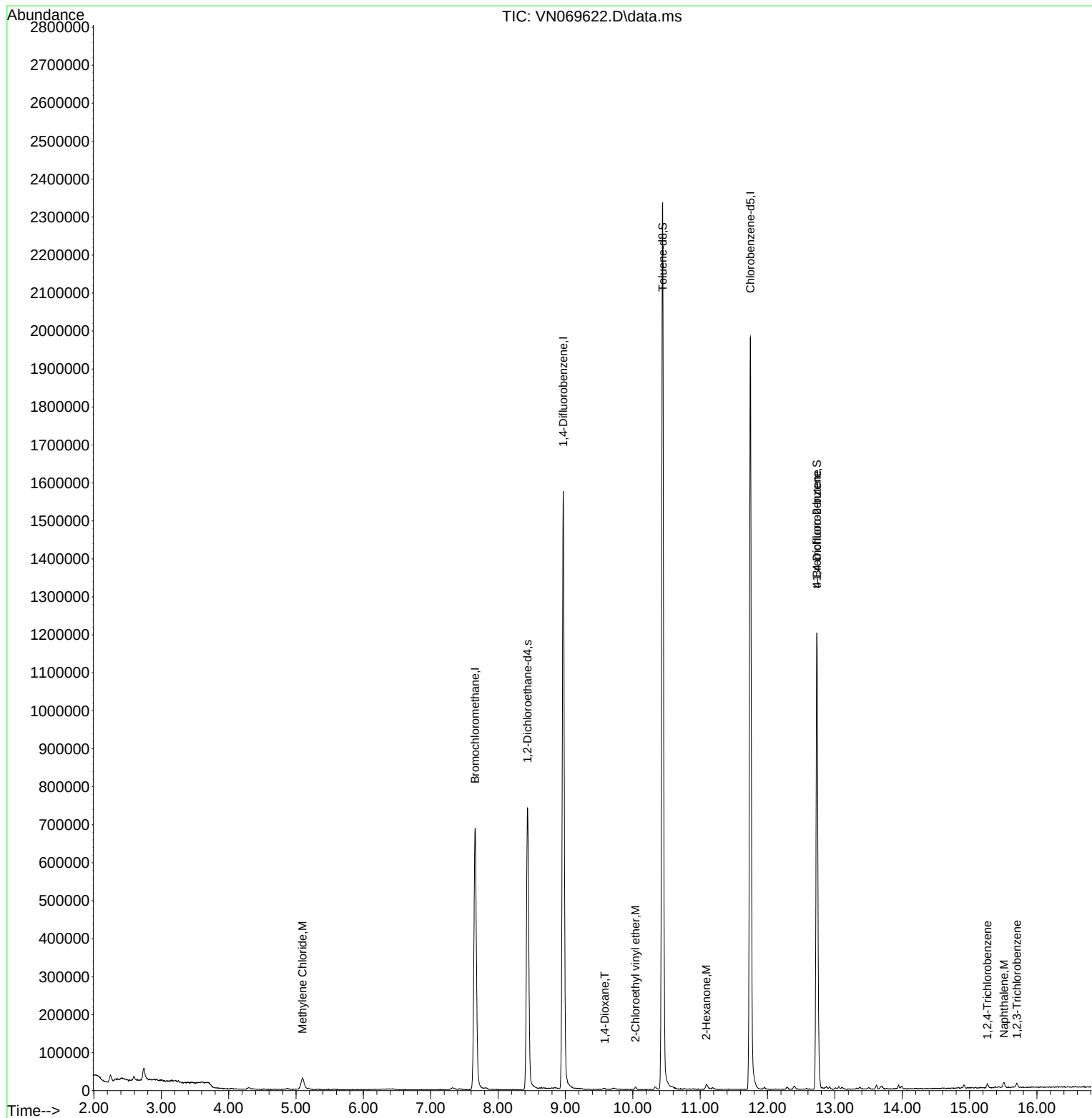
Internal Standards						
1) Bromochloromethane	7.659	128	238609	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	1326911	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	1136886	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	651429	31.479	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.933%
60) 4-Bromofluorobenzene	12.733	95	440915	24.235	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.767%
63) Toluene-d8	10.443	98	1635297	31.153	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.833%
Target Compounds						
					Qvalue	
18) Methylene Chloride	5.095	84	10509	0.692	ug/l #	86
45) 1,4-Dioxane	9.582	88	420	1.221	ug/l #	40
55) 2-Chloroethyl vinyl ether	10.041	63	2908	0.491	ug/l #	72
59) 2-Hexanone	11.089	43	4763	0.251	ug/l #	79
77) t-1,4-Dichloro-2-butene	12.733	75	250093	42.855	ug/l #	8
89) 1,2,4-Trichlorobenzene	15.265	180	3483	0.284	ug/l #	96
91) Naphthalene	15.509	128	12079	0.342	ug/l #	71
92) 1,2,3-Trichlorobenzene	15.702	180	4188	0.347	ug/l	67

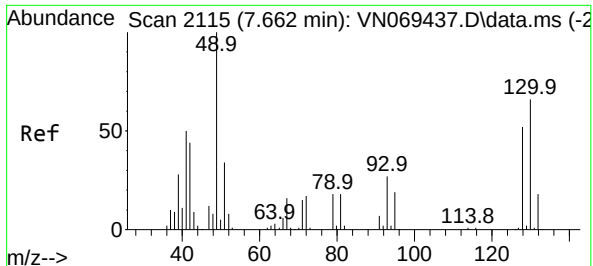
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Nov 24 02:25:49 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

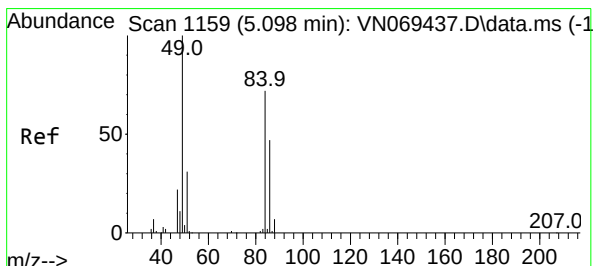
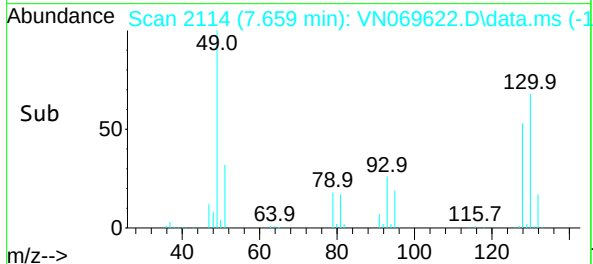
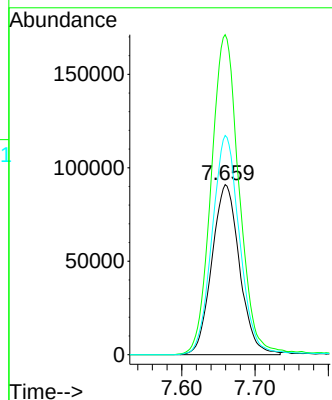
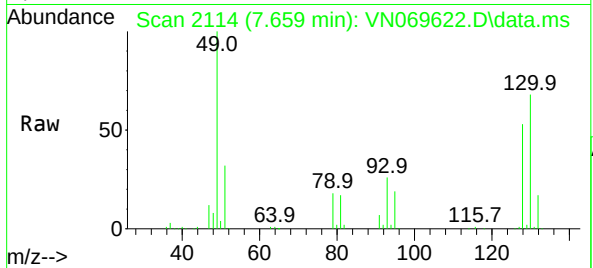




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VN069622.D
Acq: 23 Nov 2021 12:23

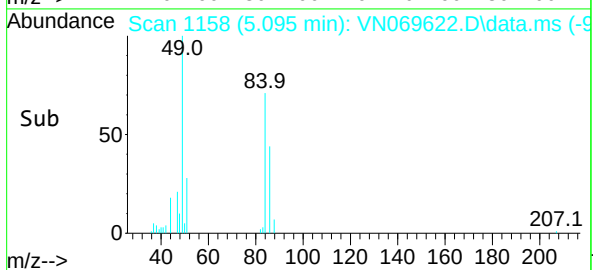
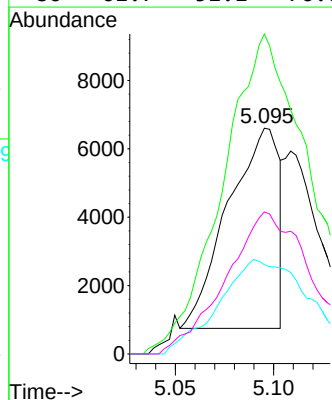
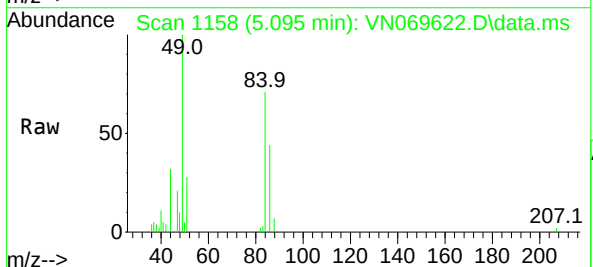
Instrument :
MSVOA_N
ClientSampleId :

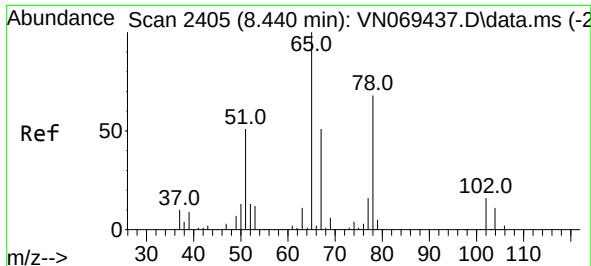
Tgt Ion:128 Resp: 238609
Ion Ratio Lower Upper
128 100
49 189.5 0.0 392.3
130 127.8 0.0 320.2



#18
Methylene Chloride
Concen: 0.692 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. -0.005 min
Lab File: VN069622.D
Acq: 23 Nov 2021 12:23

Tgt Ion: 84 Resp: 10509
Ion Ratio Lower Upper
84 100
49 141.1 91.4 137.0#
51 37.4 29.4 44.0
86 61.7 51.1 76.7





#27

1,2-Dichloroethane-d4

Concen: 31.479 ug/l

RT: 8.437 min Scan# 24

Delta R.T. -0.003 min

Lab File: VN069622.D

Acq: 23 Nov 2021 12:23

Instrument :

MSVOA_N

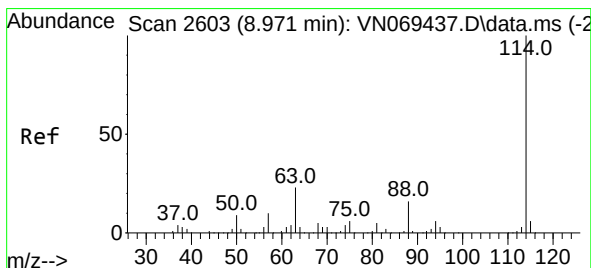
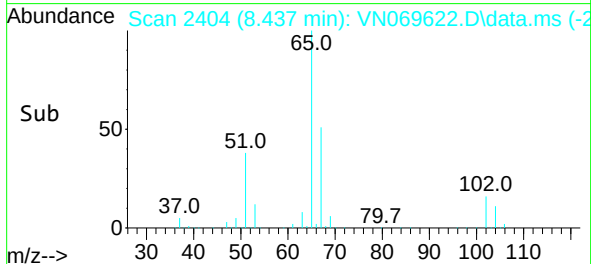
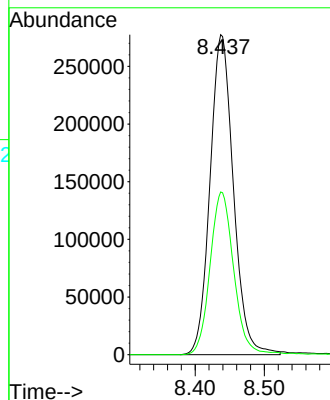
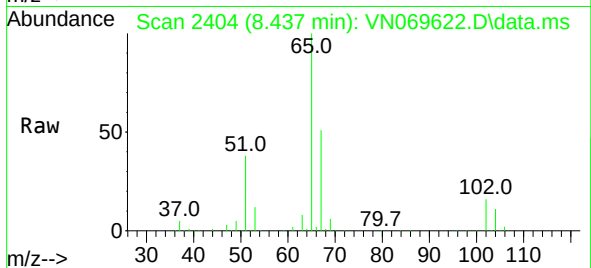
ClientSampleId :

Tgt Ion: 65 Resp: 651429

Ion Ratio Lower Upper

65 100

67 51.1 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.003 min

Lab File: VN069622.D

Acq: 23 Nov 2021 12:23

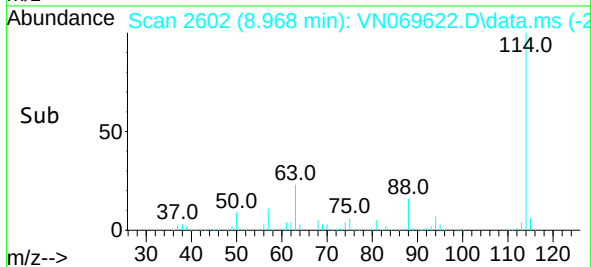
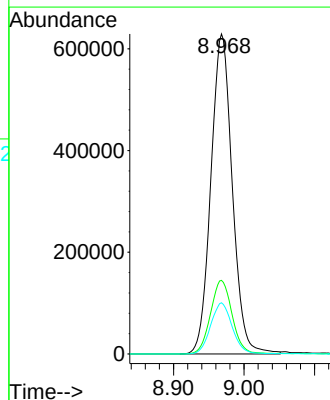
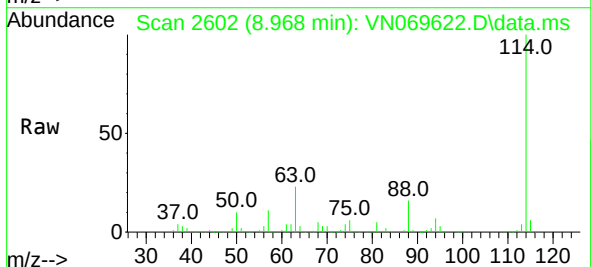
Tgt Ion: 114 Resp: 1326911

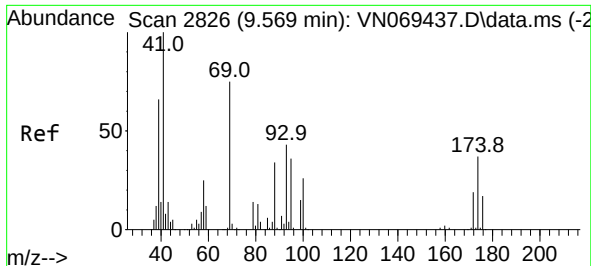
Ion Ratio Lower Upper

114 100

63 23.2 15.8 23.6

88 16.1 11.6 17.4





#45

1,4-Dioxane

Concen: 1.221 ug/l

RT: 9.582 min Scan# 21

Delta R.T. 0.014 min

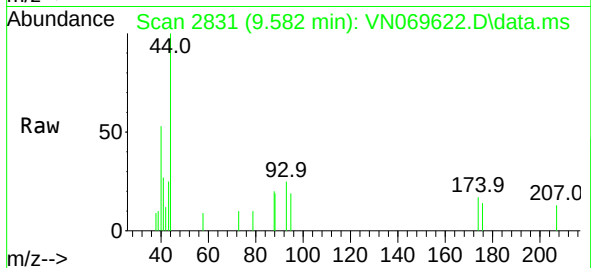
Lab File: VN069622.D

Acq: 23 Nov 2021 12:23

Instrument :

MSVOA_N

ClientSampleId :



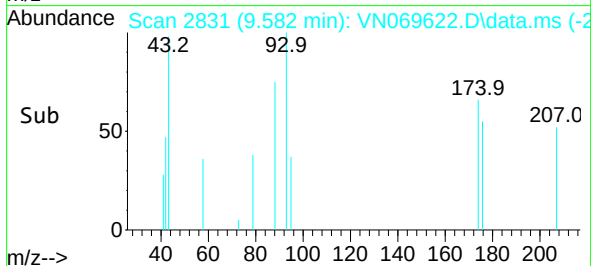
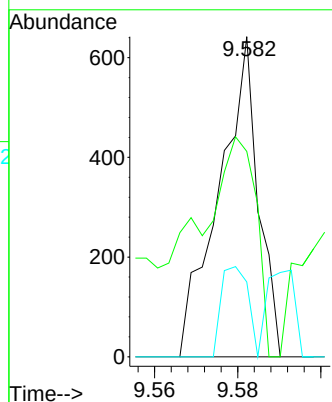
Tgt Ion: 88 Resp: 420

Ion Ratio Lower Upper

88 100

43 69.0 25.0 37.6#

58 19.3 49.4 74.2#



#55

2-Chloroethyl vinyl ether

Concen: 0.491 ug/l

RT: 10.041 min Scan# 3002

Delta R.T. -0.003 min

Lab File: VN069622.D

Acq: 23 Nov 2021 12:23

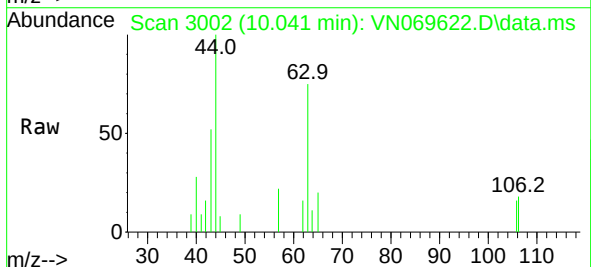
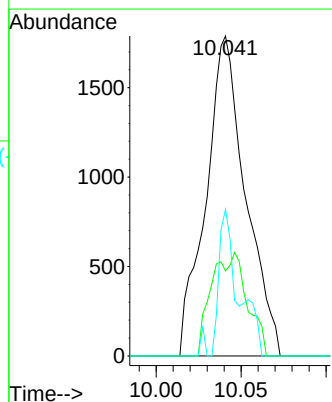
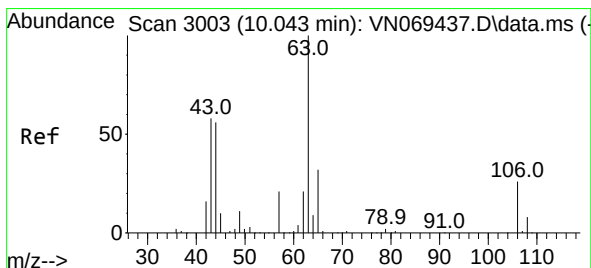
Tgt Ion: 63 Resp: 2908

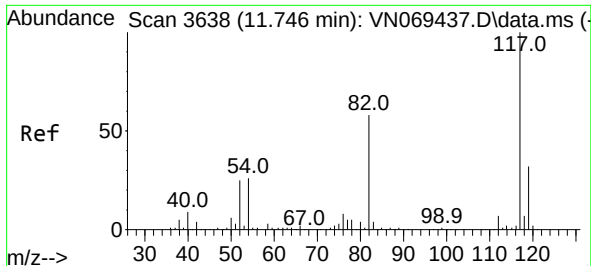
Ion Ratio Lower Upper

63 100

65 13.6 25.4 38.0#

106 16.5 23.2 34.8#

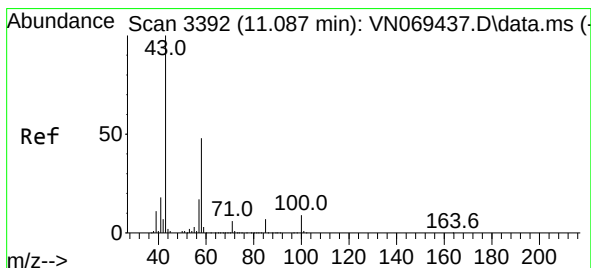
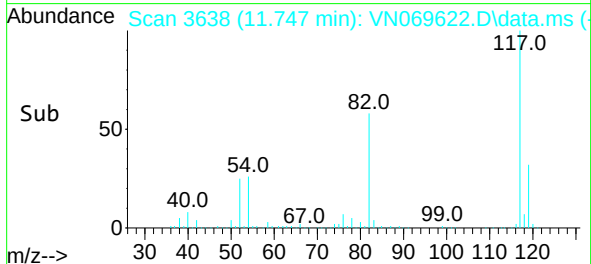
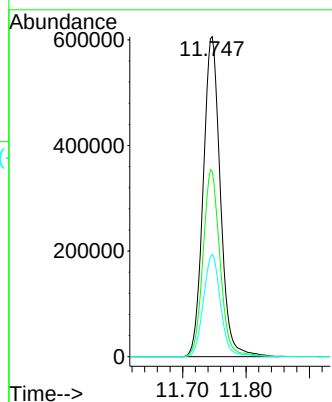
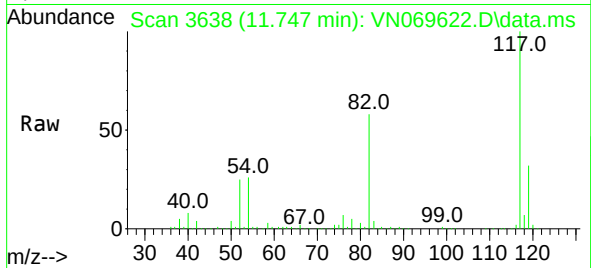




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069622.D
Acq: 23 Nov 2021 12:23

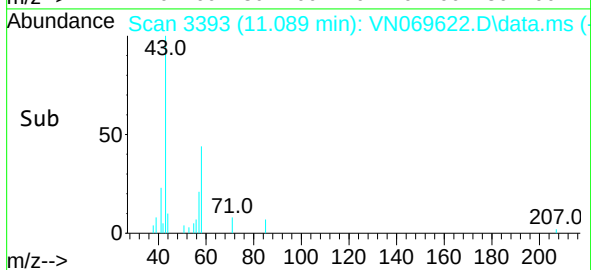
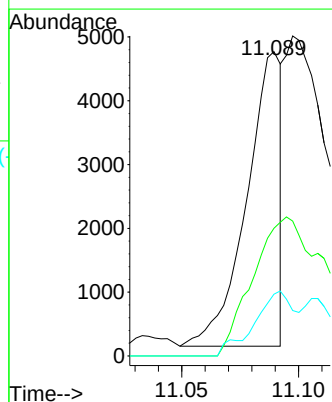
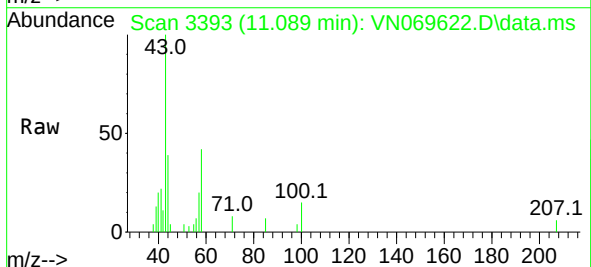
Instrument :
MSVOA_N
ClientSampleId :

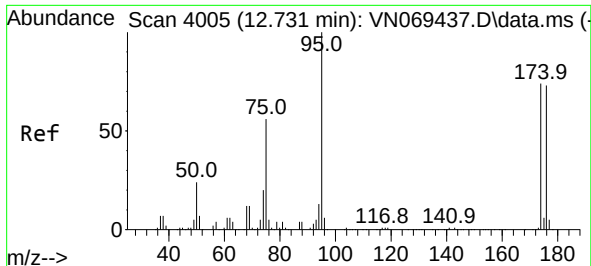
Tgt Ion:117 Resp: 1136886
Ion Ratio Lower Upper
117 100
82 58.0 43.6 65.4
119 32.2 25.8 38.6



#59
2-Hexanone
Concen: 0.251 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN069622.D
Acq: 23 Nov 2021 12:23

Tgt Ion: 43 Resp: 4763
Ion Ratio Lower Upper
43 100
58 72.4 42.2 63.2#
57 17.4 15.0 22.4

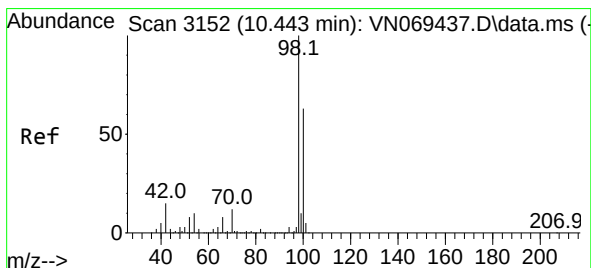
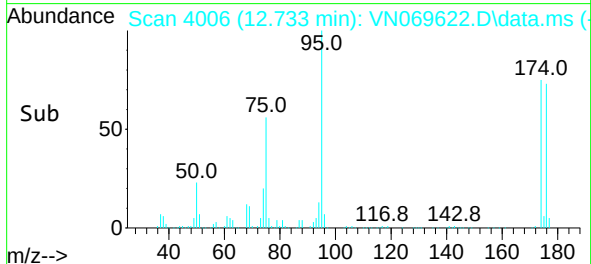
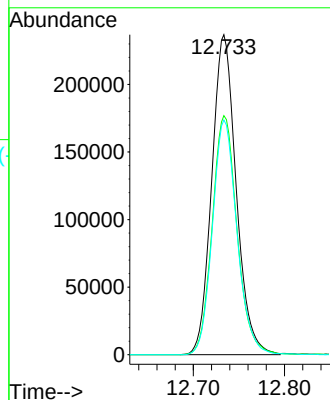
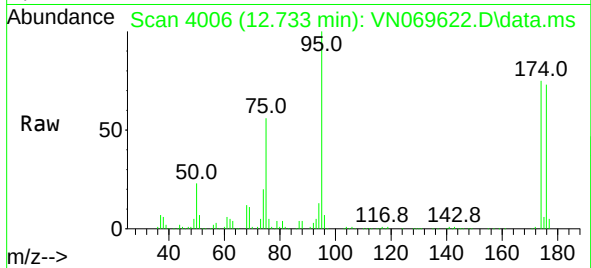




#60
4-Bromofluorobenzene
Concen: 24.235 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.000 min
Lab File: VN069622.D
Acq: 23 Nov 2021 12:23

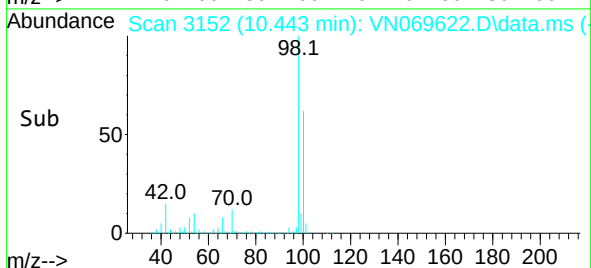
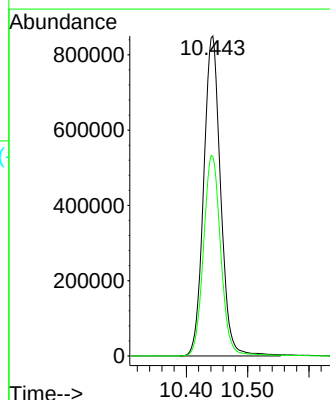
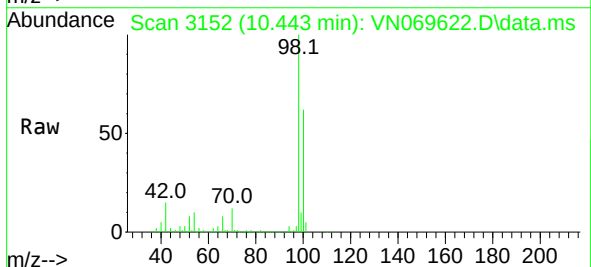
Instrument :
MSVOA_N
ClientSampleId :

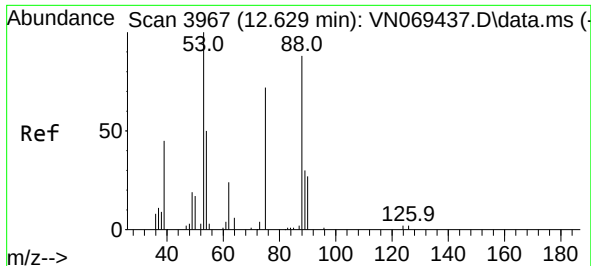
Tgt Ion: 95 Resp: 440915
Ion Ratio Lower Upper
95 100
174 76.1 62.9 94.3
176 73.6 61.0 91.4



#63
Toluene-d8
Concen: 31.153 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069622.D
Acq: 23 Nov 2021 12:23

Tgt Ion: 98 Resp: 1635297
Ion Ratio Lower Upper
98 100
100 63.5 50.6 76.0

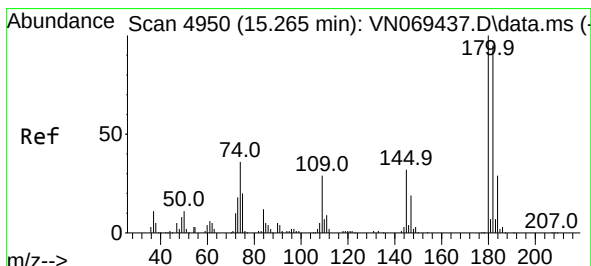
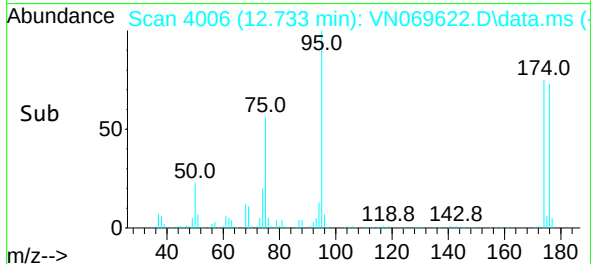
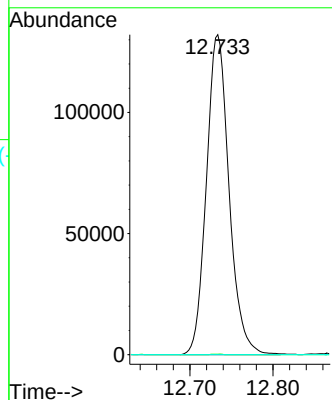
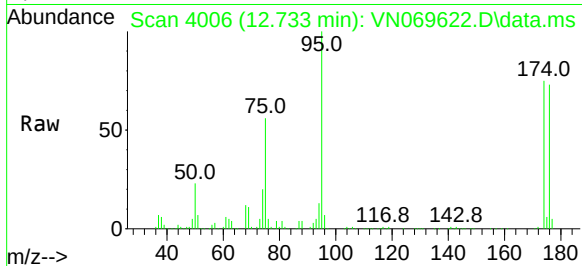




#77
 t-1,4-Dichloro-2-butene
 Concen: 42.855 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.105 min
 Lab File: VN069622.D
 Acq: 23 Nov 2021 12:23

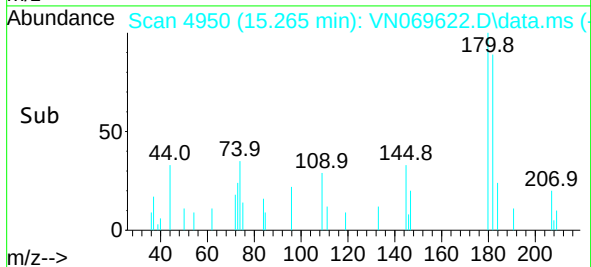
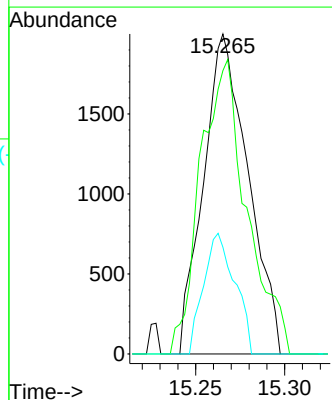
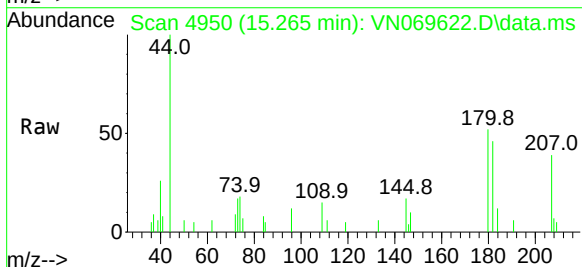
Instrument :
 MSVOA_N
 ClientSampleId :

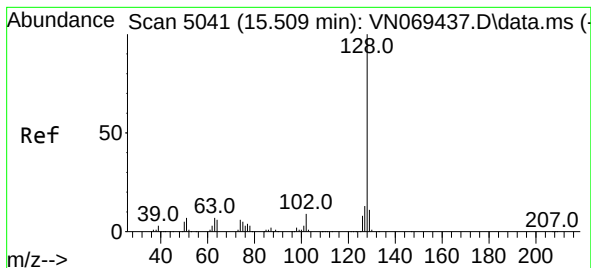
Tgt Ion: 75 Resp: 250093
 Ion Ratio Lower Upper
 75 100
 53 0.2 51.8 155.5#
 89 0.0 22.9 68.7#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.284 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN069622.D
 Acq: 23 Nov 2021 12:23

Tgt Ion:180 Resp: 3483
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.7 116.5
 145 26.4 26.6 39.8#





#91

Naphthalene

Concen: 0.342 ug/l

RT: 15.509 min Scan# 5041

Delta R.T. 0.003 min

Lab File: VN069622.D

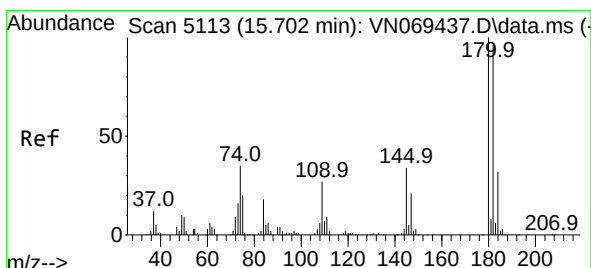
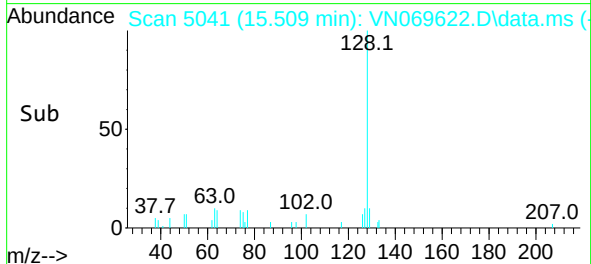
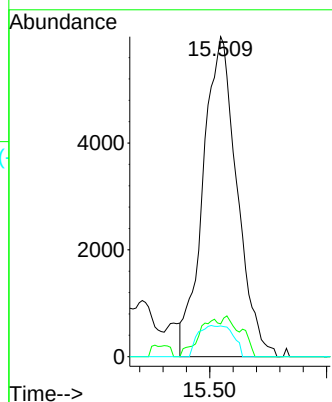
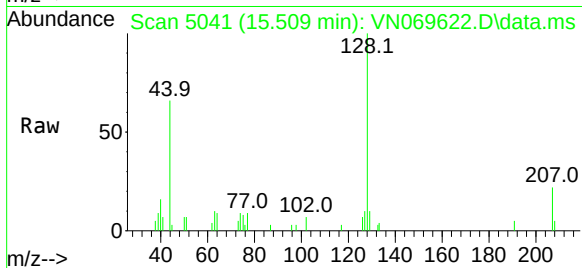
Acq: 23 Nov 2021 12:23

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	128	Resp:	12079
Ion Ratio	Lower	Upper	
128	100		
127	1.8	10.7	16.1#
129	0.0	9.0	13.6#



#92

1,2,3-Trichlorobenzene

Concen: 0.347 ug/l

RT: 15.702 min Scan# 5113

Delta R.T. 0.000 min

Lab File: VN069622.D

Acq: 23 Nov 2021 12:23

Tgt Ion:	180	Resp:	4188
Ion Ratio	Lower	Upper	
180	100		
182	52.4	0.0	190.0
145	32.4	0.0	67.8

