

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112321\
 Data File : VN069626.D
 Acq On : 23 Nov 2021 14:43
 Operator : JC/MD
 Sample : M4797-02 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 24 02:26:41 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)

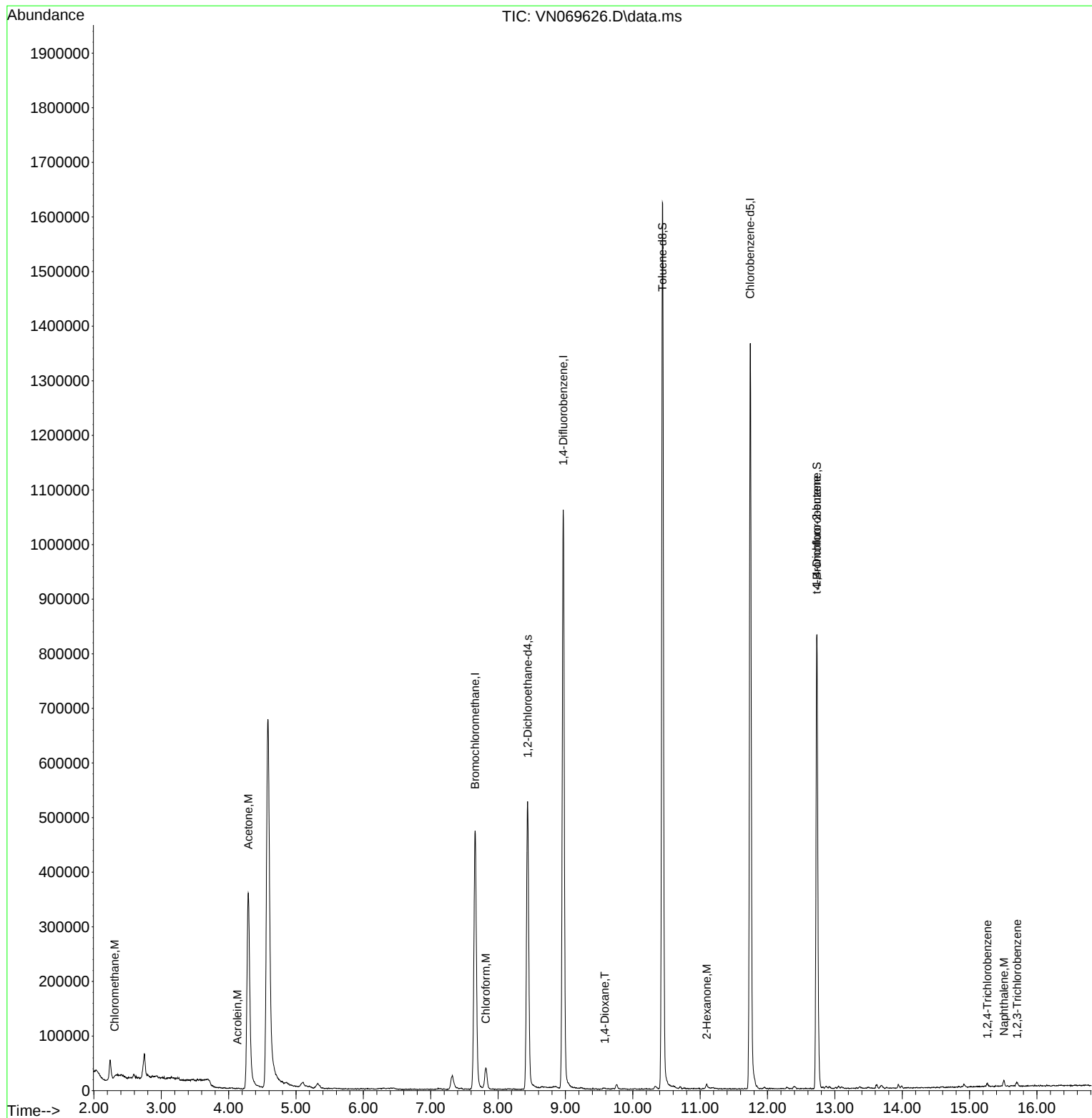
Internal Standards						
1) Bromochloromethane	7.657	128	166358	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	915737	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.744	117	787809	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	456480	31.639	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.467%
60) 4-Bromofluorobenzene	12.734	95	302852	24.022	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.067%
63) Toluene-d8	10.440	98	1123638	30.890	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.967%
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	2785	0.217	ug/l #	67
13) Acrolein	4.130	56	149	0.226	ug/l	85
15) Acetone	4.293	58	189900	87.249	ug/l	82
25) Chloroform	7.817	83	37254	1.876	ug/l	97
45) 1,4-Dioxane	9.582	88	85	0.358	ug/l #	1
59) 2-Hexanone	11.098	43	4177	0.318	ug/l #	90
77) t-1,4-Dichloro-2-butene	12.731	75	168965	41.783	ug/l #	8
89) 1,2,4-Trichlorobenzene	15.263	180	2093	0.246	ug/l #	81
91) Naphthalene	15.509	128	9601	0.392	ug/l #	86
92) 1,2,3-Trichlorobenzene	15.705	180	2956	0.354	ug/l	60

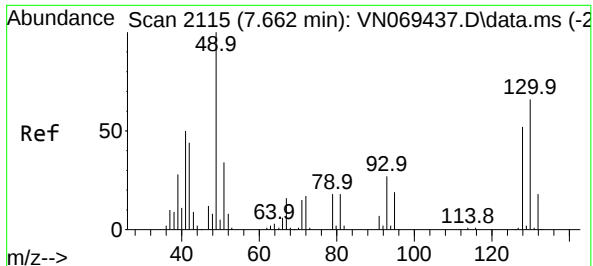
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 10 14:36:17 2021
Response via : Initial Calibration

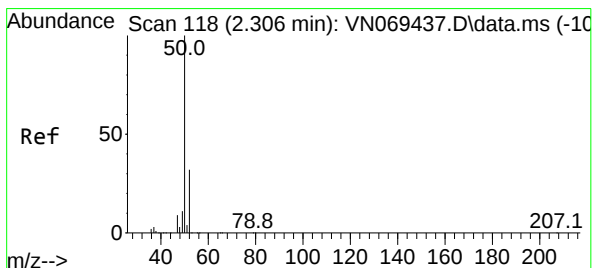
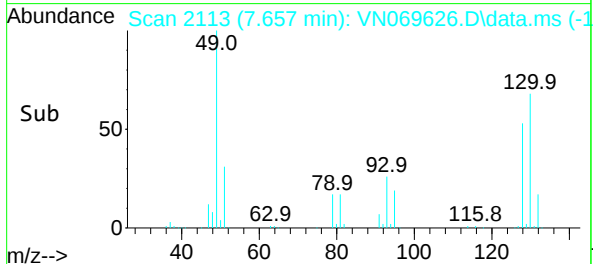
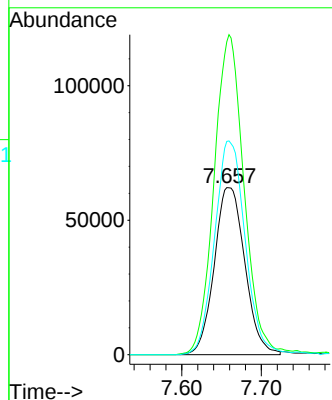
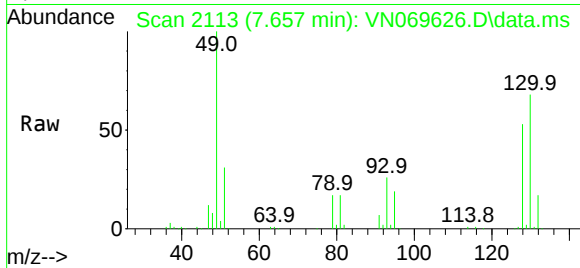




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 2115
Delta R.T. -0.005 min
Lab File: VN069626.D
Acq: 23 Nov 2021 14:43

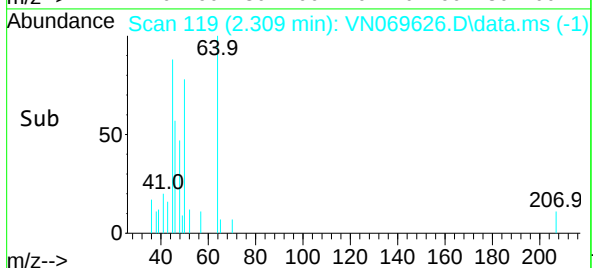
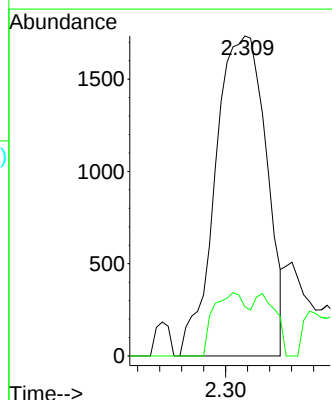
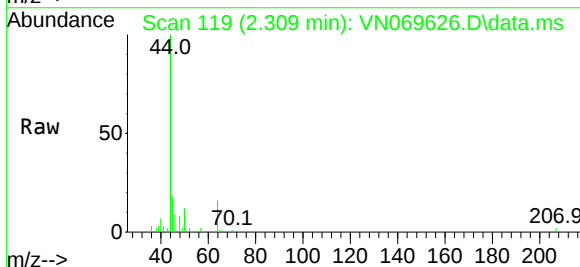
Instrument :
MSVOA_N
ClientSampleId :

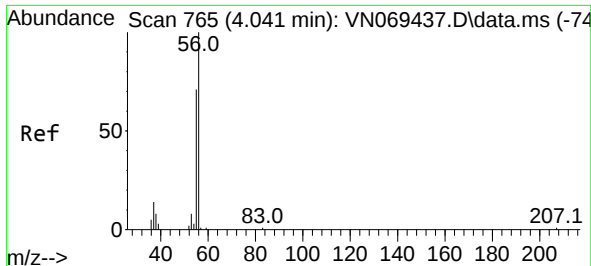
Tgt Ion:128 Resp: 166358
Ion Ratio Lower Upper
128 100
49 185.7 0.0 392.3
130 127.8 0.0 320.2



#3
Chloromethane
Concen: 0.217 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN069626.D
Acq: 23 Nov 2021 14:43

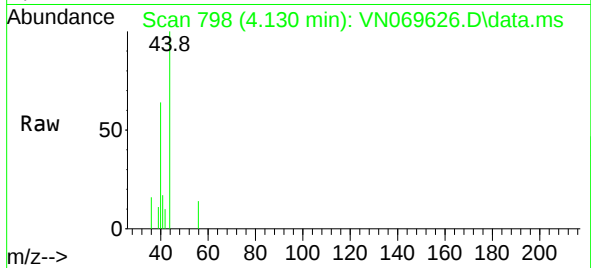
Tgt Ion: 50 Resp: 2785
Ion Ratio Lower Upper
50 100
52 15.3 27.8 41.6#



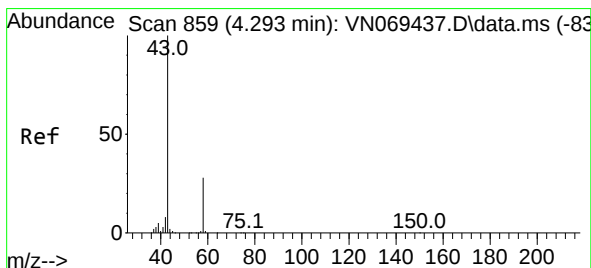
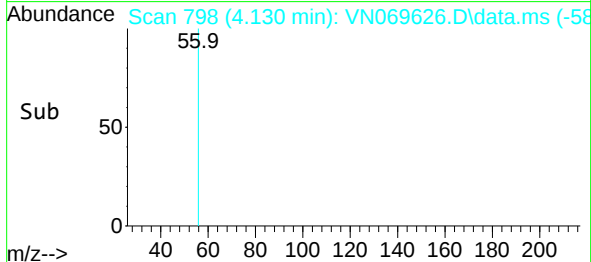
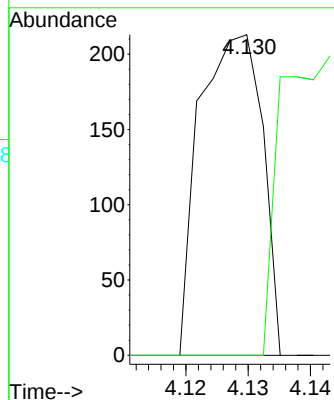


#13
Acrolein
Concen: 0.226 ug/l
RT: 4.130 min Scan# 765
Delta R.T. 0.083 min
Lab File: VN069626.D
Acq: 23 Nov 2021 14:43

Instrument :
MSVOA_N
ClientSampleId :

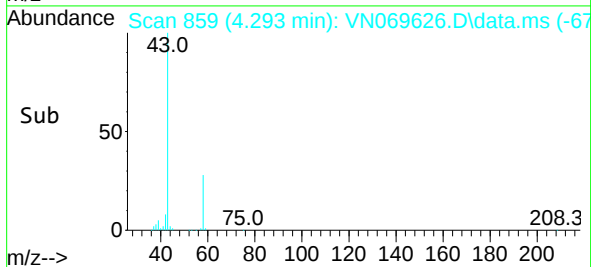
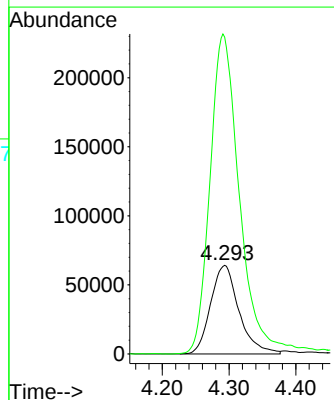
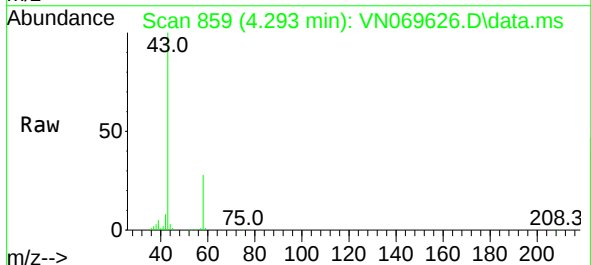


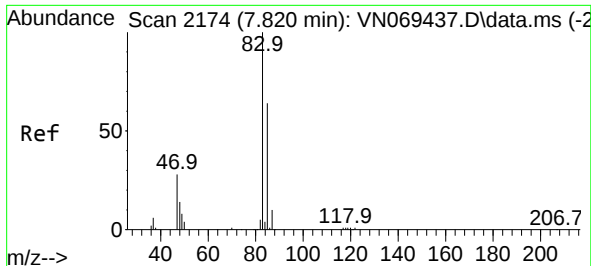
Tgt Ion: 56 Resp: 149
Ion Ratio Lower Upper
56 100
55 59.7 57.6 86.4



#15
Acetone
Concen: 87.249 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.006 min
Lab File: VN069626.D
Acq: 23 Nov 2021 14:43

Tgt Ion: 58 Resp: 189900
Ion Ratio Lower Upper
58 100
43 356.6 256.6 384.8





#25

Chloroform

Concen: 1.876 ug/l

RT: 7.817 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN069626.D

Acq: 23 Nov 2021 14:43

Instrument :

MSVOA_N

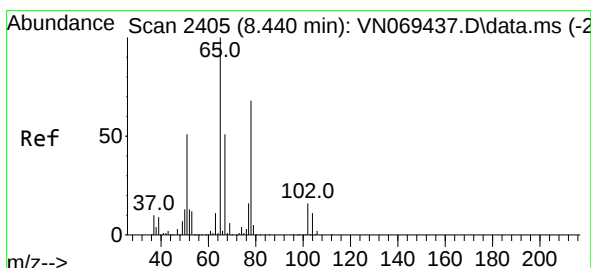
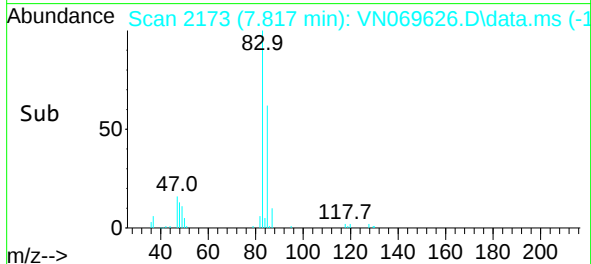
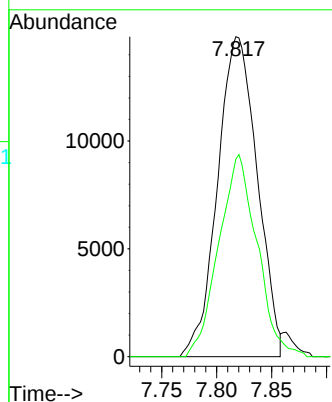
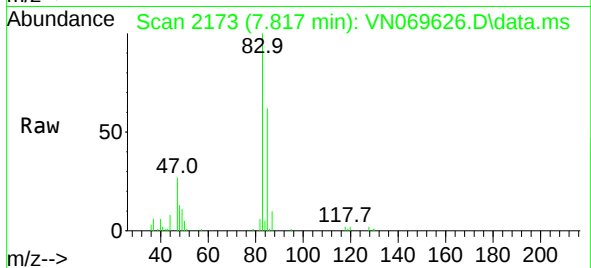
ClientSampleId :

Tgt Ion: 83 Resp: 37254

Ion Ratio Lower Upper

83 100

85 61.7 51.3 76.9



#27

1,2-Dichloroethane-d4

Concen: 31.639 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VN069626.D

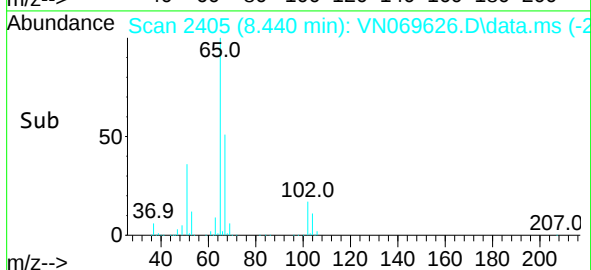
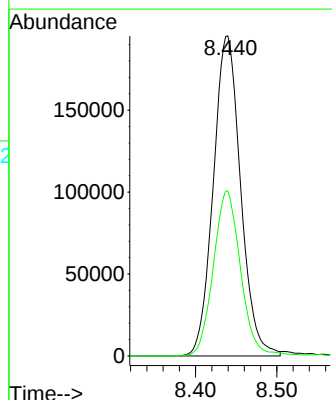
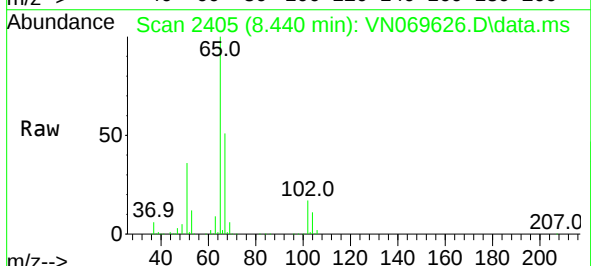
Acq: 23 Nov 2021 14:43

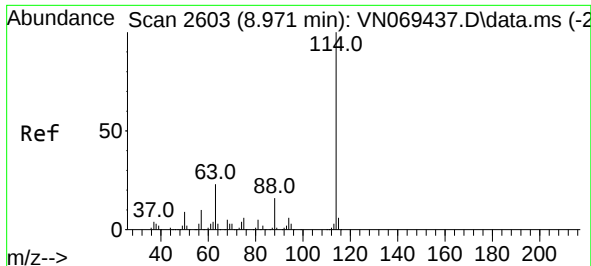
Tgt Ion: 65 Resp: 456480

Ion Ratio Lower Upper

65 100

67 50.4 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. -0.003 min

Lab File: VN069626.D

Acq: 23 Nov 2021 14:43

Instrument :

MSVOA_N

ClientSampleId :

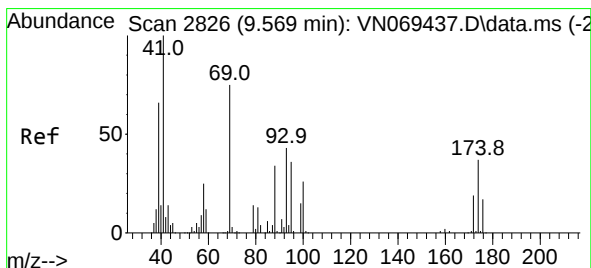
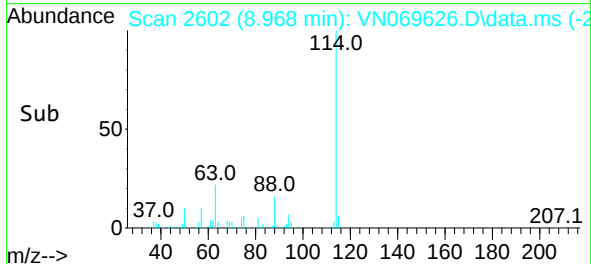
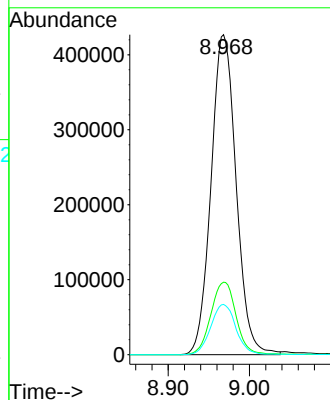
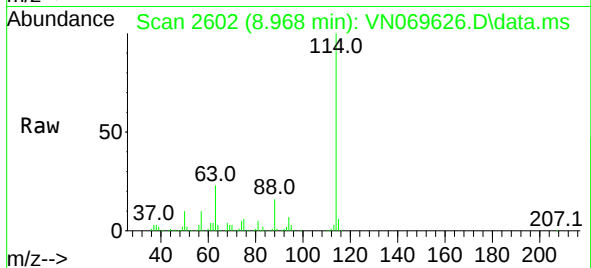
Tgt Ion:114 Resp: 915737

Ion Ratio Lower Upper

114 100

63 22.7 15.8 23.6

88 15.7 11.6 17.4



#45

1,4-Dioxane

Concen: 0.358 ug/l

RT: 9.582 min Scan# 2831

Delta R.T. 0.014 min

Lab File: VN069626.D

Acq: 23 Nov 2021 14:43

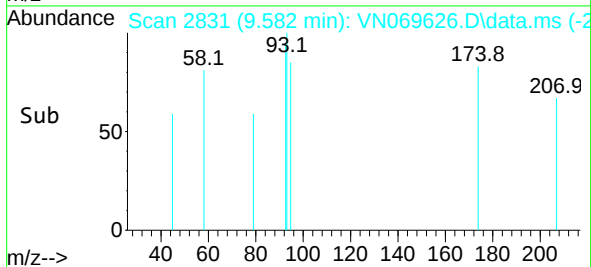
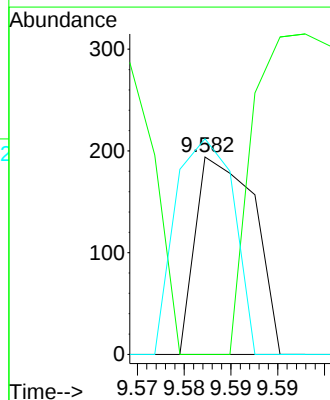
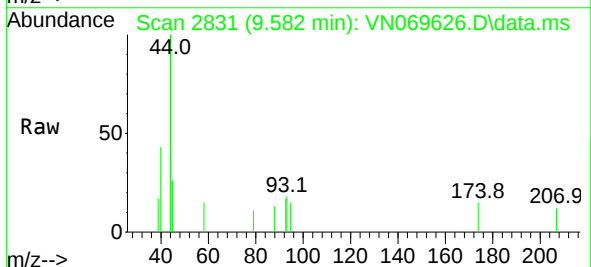
Tgt Ion: 88 Resp: 85

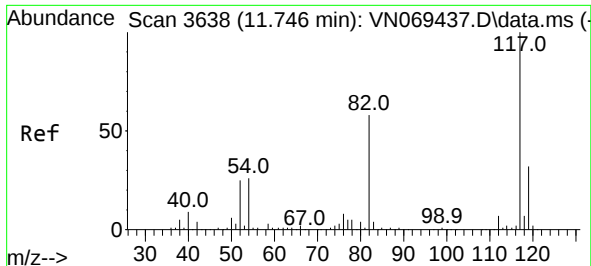
Ion Ratio Lower Upper

88 100

43 224.7 25.0 37.6#

58 108.2 49.4 74.2#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.744 min Scan# 3637

Delta R.T. -0.003 min

Lab File: VN069626.D

Acq: 23 Nov 2021 14:43

Instrument :

MSVOA_N

ClientSampleId :

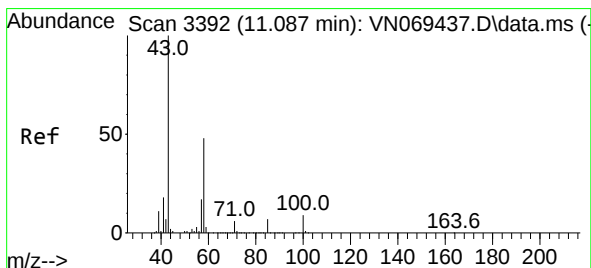
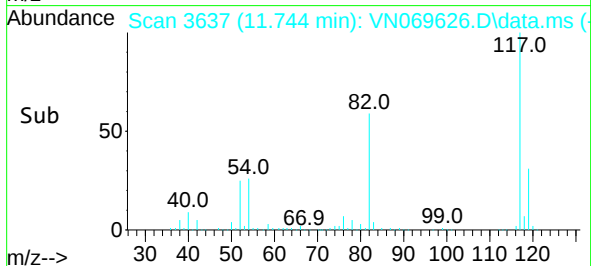
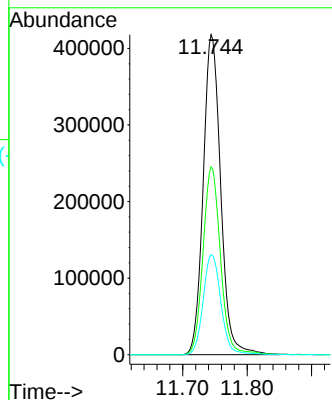
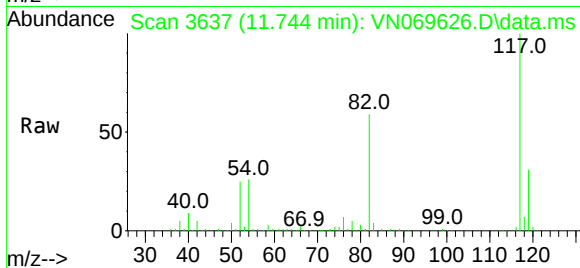
Tgt Ion:117 Resp: 787809

Ion Ratio Lower Upper

117 100

82 58.2 43.6 65.4

119 31.8 25.8 38.6



#59

2-Hexanone

Concen: 0.318 ug/l

RT: 11.098 min Scan# 3396

Delta R.T. 0.011 min

Lab File: VN069626.D

Acq: 23 Nov 2021 14:43

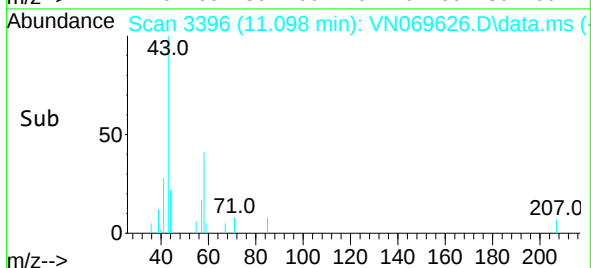
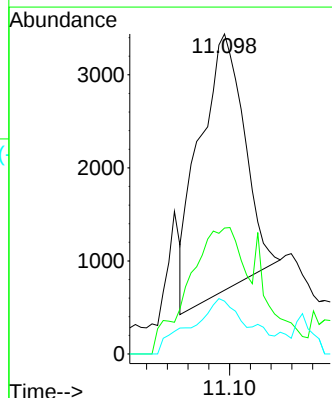
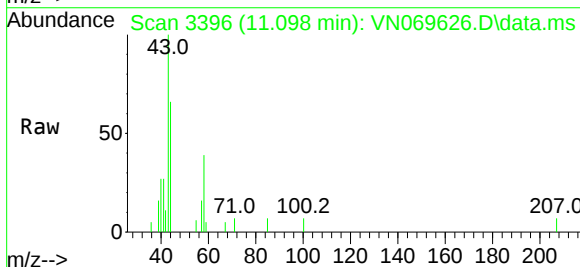
Tgt Ion: 43 Resp: 4177

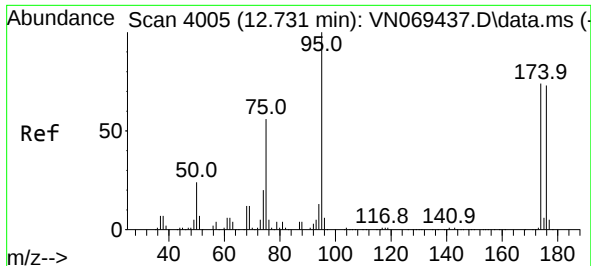
Ion Ratio Lower Upper

43 100

58 55.7 42.2 63.2

57 6.1 15.0 22.4#

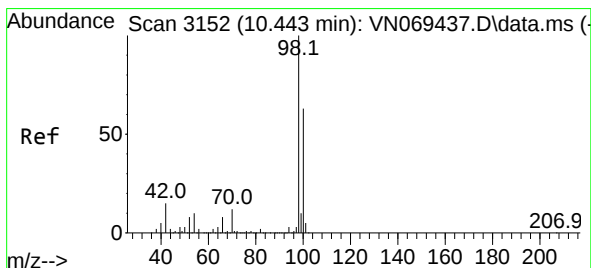
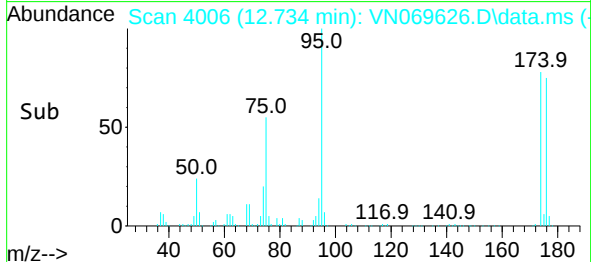
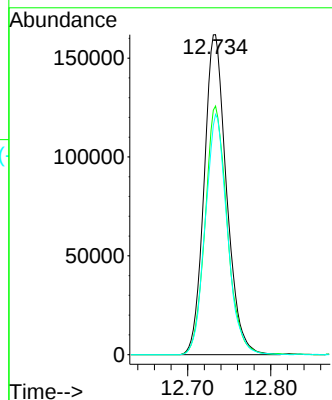
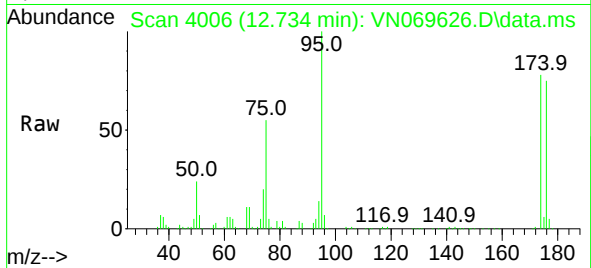




#60
4-Bromofluorobenzene
Concen: 24.022 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.000 min
Lab File: VN069626.D
Acq: 23 Nov 2021 14:43

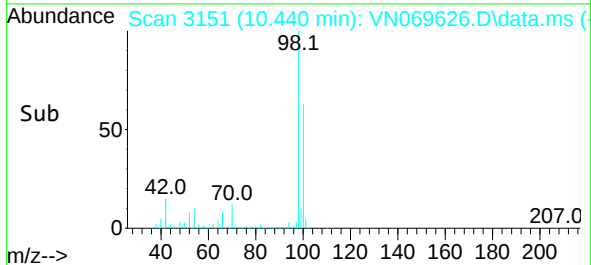
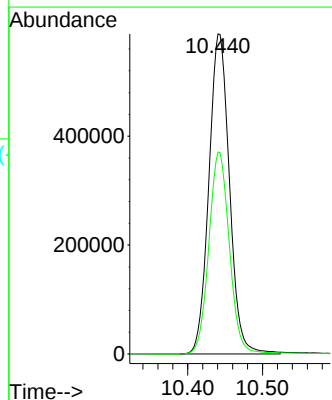
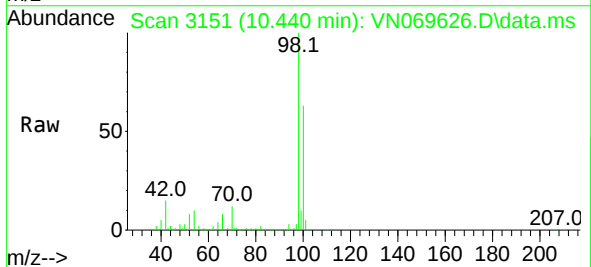
Instrument :
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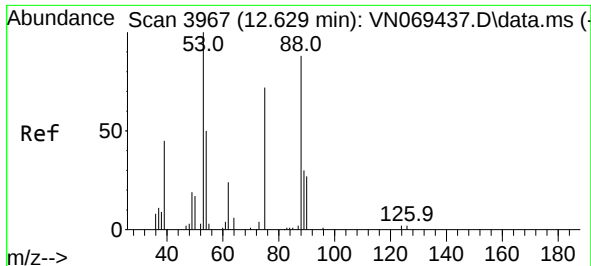
Tgt Ion: 95 Resp: 302852
Ion Ratio Lower Upper
95 100
174 76.5 62.9 94.3
176 74.0 61.0 91.4



#63
Toluene-d8
Concen: 30.890 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069626.D
Acq: 23 Nov 2021 14:43

Tgt Ion: 98 Resp: 1123638
Ion Ratio Lower Upper
98 100
100 62.9 50.6 76.0

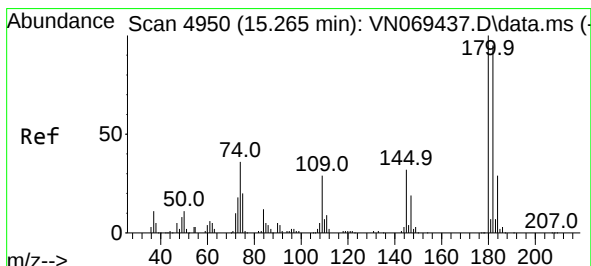
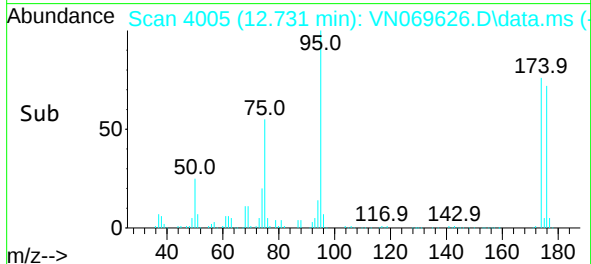
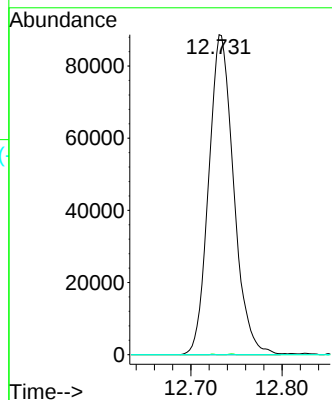
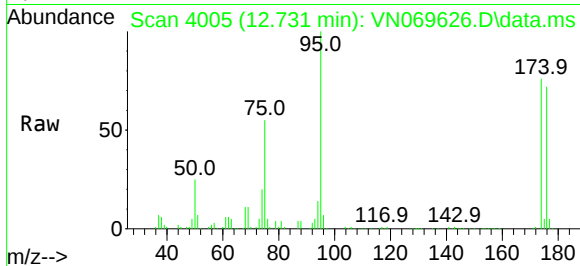




#77
t-1,4-Dichloro-2-butene
Concen: 41.783 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.102 min
Lab File: VN069626.D
Acq: 23 Nov 2021 14:43

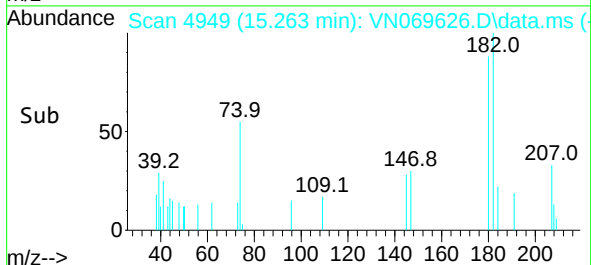
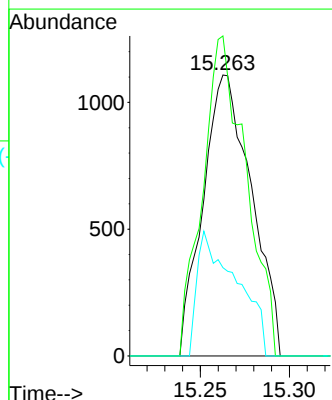
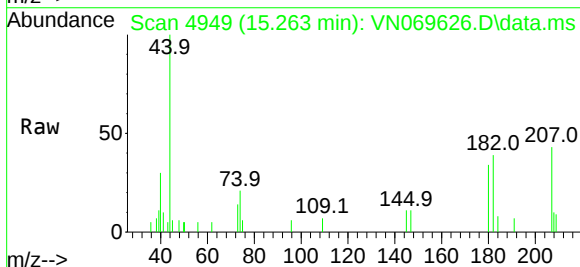
Instrument :
MSVOA_N
ClientSampleId :

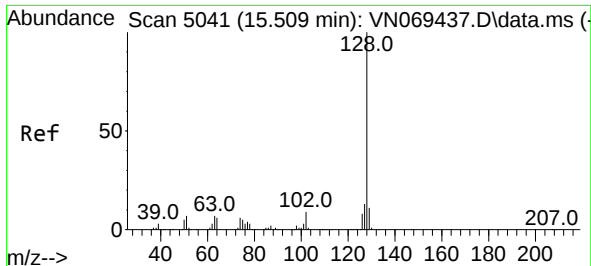
Tgt Ion: 75 Resp: 168965
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#89
1,2,4-Trichlorobenzene
Concen: 0.246 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN069626.D
Acq: 23 Nov 2021 14:43

Tgt Ion:180 Resp: 2093
Ion Ratio Lower Upper
180 100
182 74.4 77.7 116.5#
145 36.2 26.6 39.8

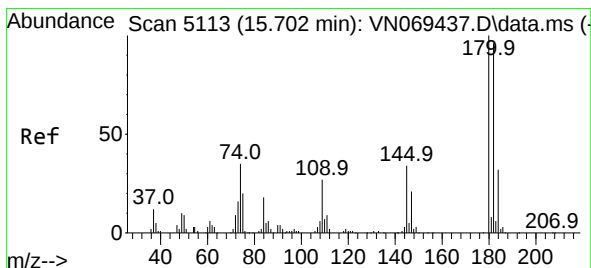
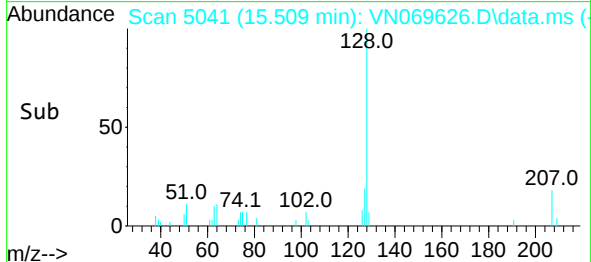
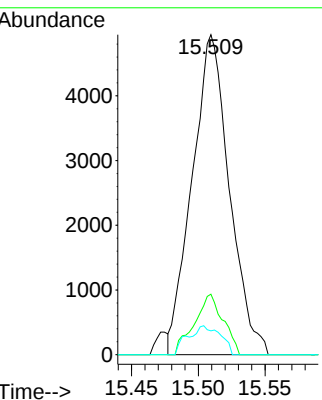
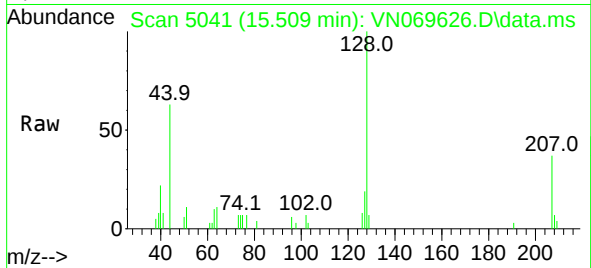




#91
Naphthalene
Concen: 0.392 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN069626.D
Acq: 23 Nov 2021 14:43

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 9601
Ion Ratio Lower Upper
128 100
127 14.6 10.7 16.1
129 1.3 9.0 13.6#



#92
1,2,3-Trichlorobenzene
Concen: 0.354 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN069626.D
Acq: 23 Nov 2021 14:43

Tgt Ion:180 Resp: 2956
Ion Ratio Lower Upper
180 100
182 58.4 0.0 190.0
145 8.0 0.0 67.8

