

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
 Data File : VN069611.D
 Acq On : 22 Nov 2021 15:46
 Operator : JC/MD
 Sample : M4703-03 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 23 03:52:30 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)

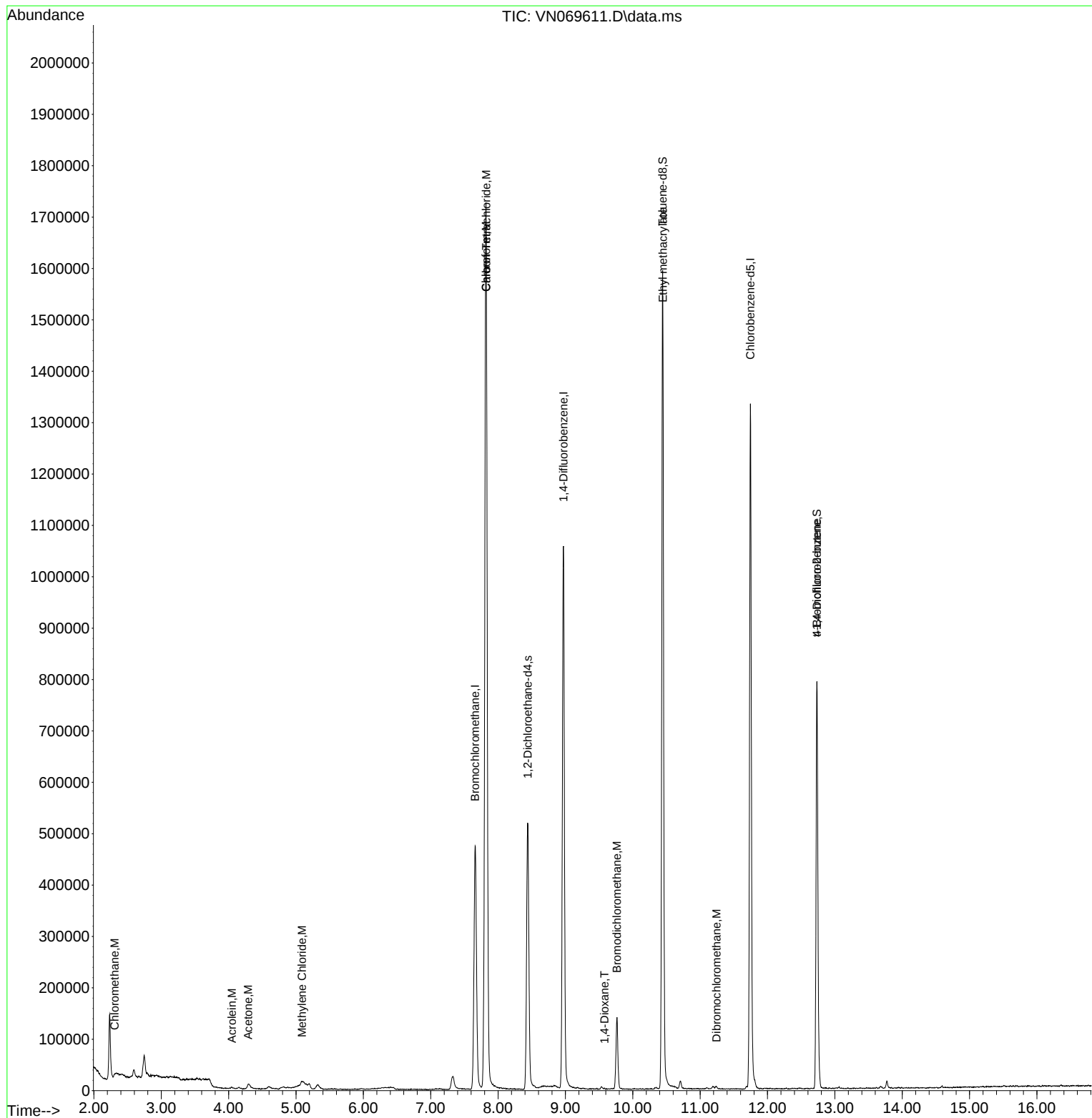
Internal Standards						
1) Bromochloromethane	7.659	128	164815	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	907245	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	763103	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	453097	31.698	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.667%
60) 4-Bromofluorobenzene	12.734	95	283210	23.192	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	77.300%
63) Toluene-d8	10.443	98	1088239	30.885	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.967%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	3542	0.279	ug/l #	83
13) Acrolein	4.047	56	1108	1.699	ug/l	85
15) Acetone	4.291	58	1715	0.795	ug/l	95
18) Methylene Chloride	5.090	84	3588	0.342	ug/l #	83
25) Chloroform	7.820	83	1669846	84.867	ug/l	99
33) Carbon Tetrachloride	7.823	117	16874	1.264	ug/l	92
41) Bromodichloromethane	9.765	83	91216	6.505	ug/l	97
45) 1,4-Dioxane	9.580	88	49	0.208	ug/l #	18
51) Ethyl methacrylate	10.449	69	3623	0.204	ug/l	84
53) Dibromochloromethane	11.242	129	2627	0.259	ug/l	94
77) t-1,4-Dichloro-2-butene	12.734	75	161830	41.314	ug/l #	8

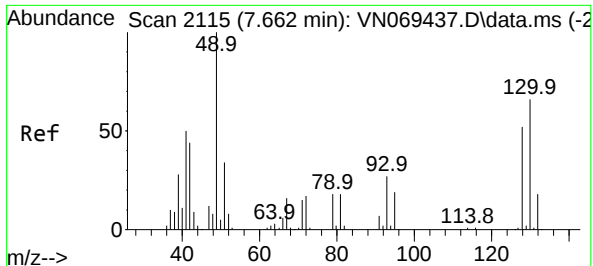
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

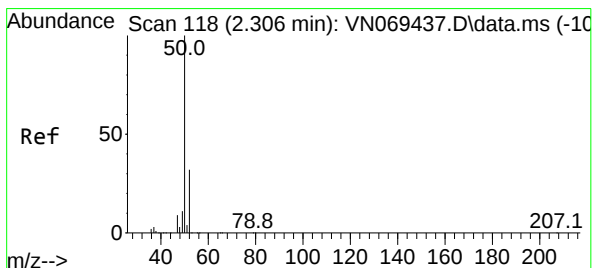
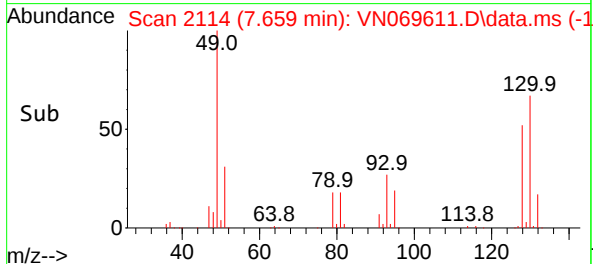
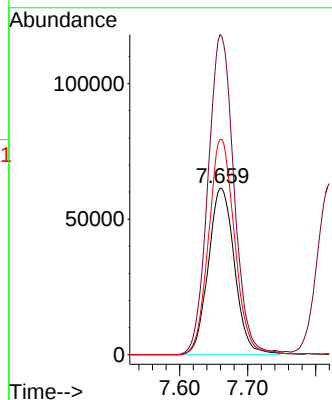
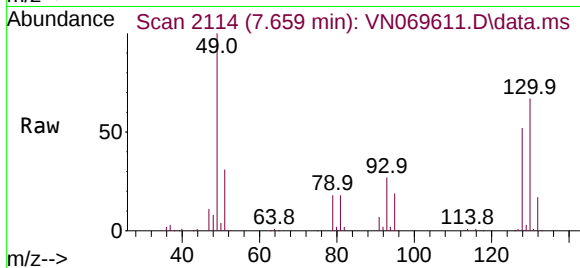




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. -0.003 min
Lab File: VN069611.D
Acq: 22 Nov 2021 15:46

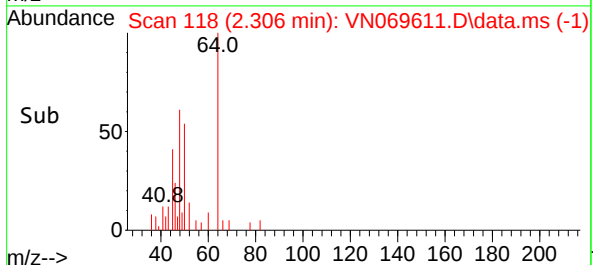
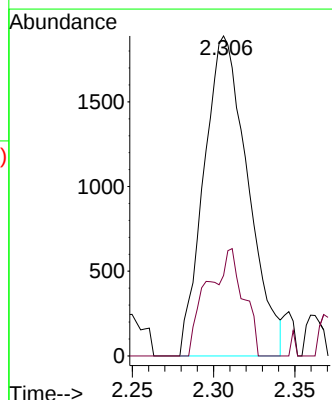
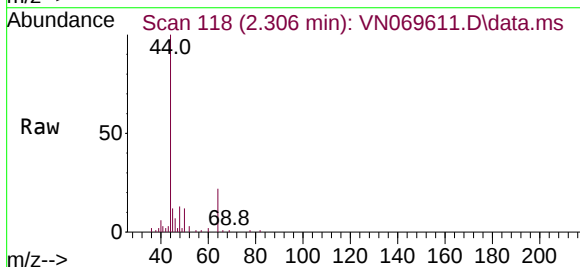
Instrument :
MSVOA_N
ClientSampleId :

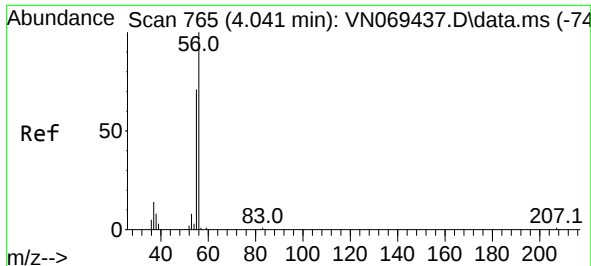
Tgt Ion:128 Resp: 164815
Ion Ratio Lower Upper
128 100
49 189.3 0.0 392.3
130 127.9 0.0 320.2



#3
Chloromethane
Concen: 0.279 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069611.D
Acq: 22 Nov 2021 15:46

Tgt Ion: 50 Resp: 3542
Ion Ratio Lower Upper
50 100
52 25.1 27.8 41.6#

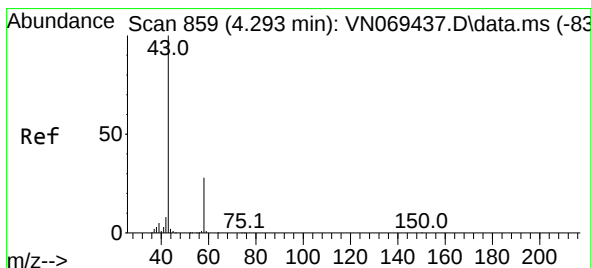
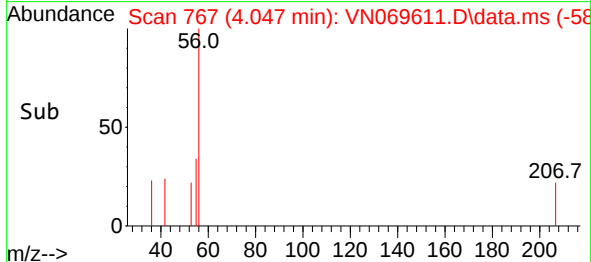
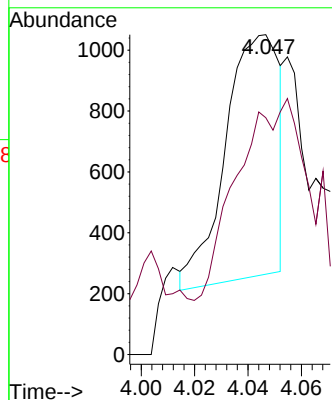
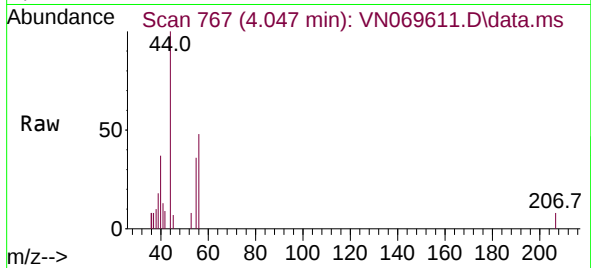




#13
Acrolein
Concen: 1.699 ug/l
RT: 4.047 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN069611.D
Acq: 22 Nov 2021 15:46

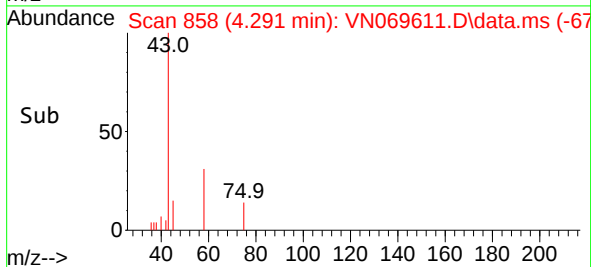
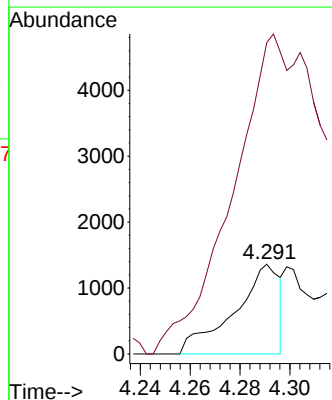
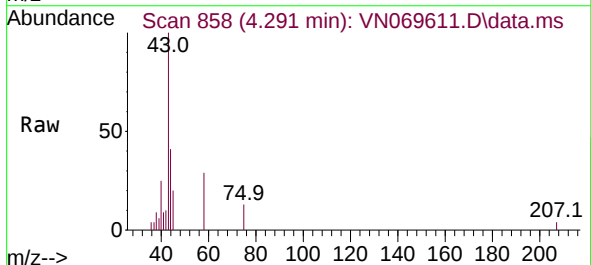
Instrument :
MSVOA_N
ClientSampleId :

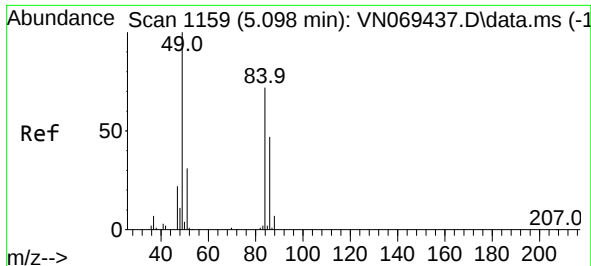
Tgt Ion: 56 Resp: 1108
Ion Ratio Lower Upper
56 100
55 59.7 57.6 86.4



#15
Acetone
Concen: 0.795 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN069611.D
Acq: 22 Nov 2021 15:46

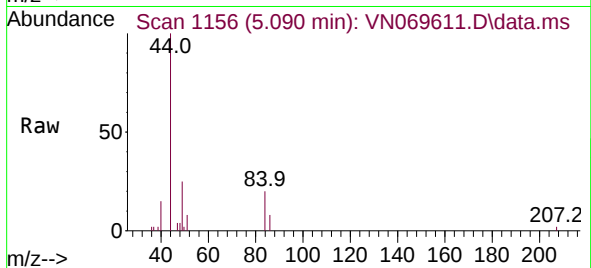
Tgt Ion: 58 Resp: 1715
Ion Ratio Lower Upper
58 100
43 310.0 256.6 384.8



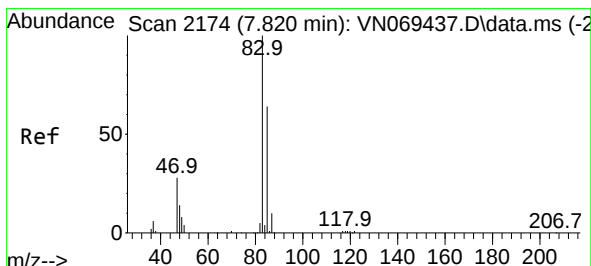
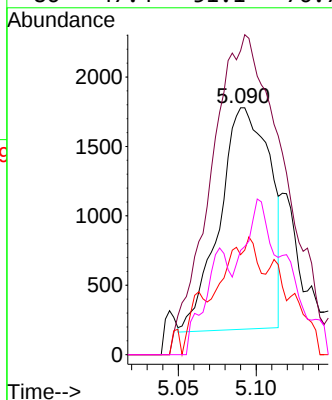
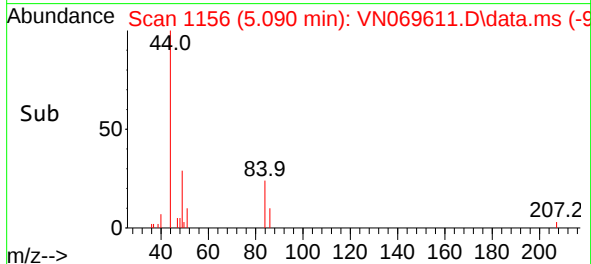


#18
Methylene Chloride
Concen: 0.342 ug/l
RT: 5.090 min Scan# 1159
Delta R.T. -0.011 min
Lab File: VN069611.D
Acq: 22 Nov 2021 15:46

Instrument :
MSVOA_N
ClientSampleId :

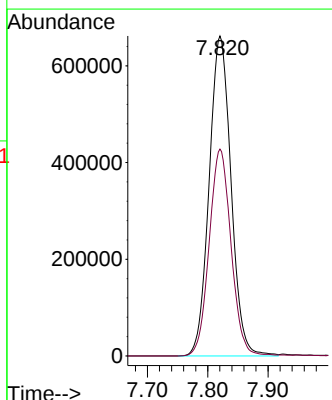
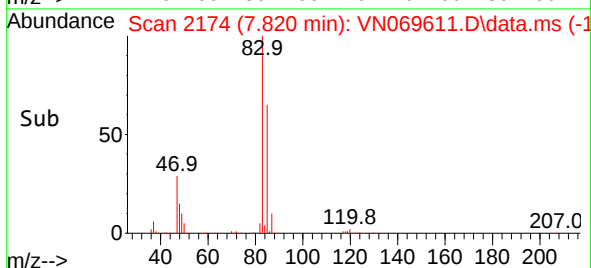
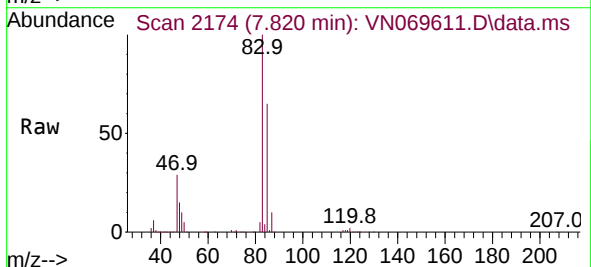


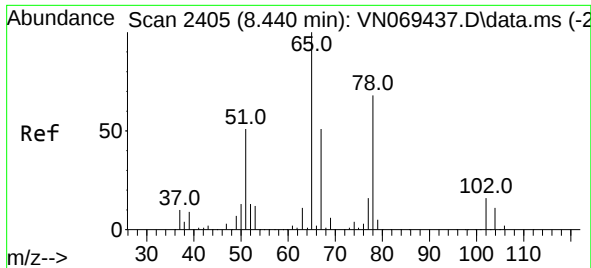
Tgt Ion: 84 Resp: 3588
Ion Ratio Lower Upper
84 100
49 133.5 91.4 137.0
51 33.9 29.4 44.0
86 47.4 51.1 76.7#



#25
Chloroform
Concen: 84.867 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN069611.D
Acq: 22 Nov 2021 15:46

Tgt Ion: 83 Resp: 1669846
Ion Ratio Lower Upper
83 100
85 64.7 51.3 76.9

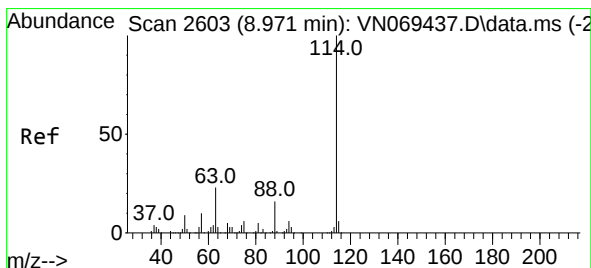
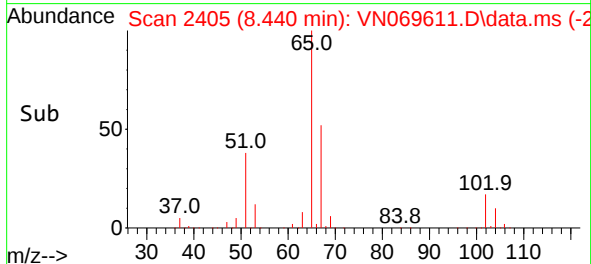
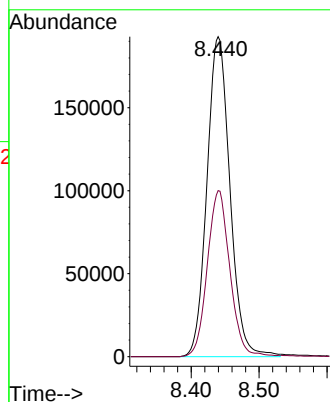
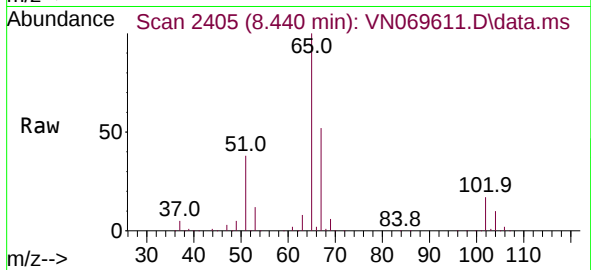




#27
 1,2-Dichloroethane-d4
 Concen: 31.698 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN069611.D
 Acq: 22 Nov 2021 15:46

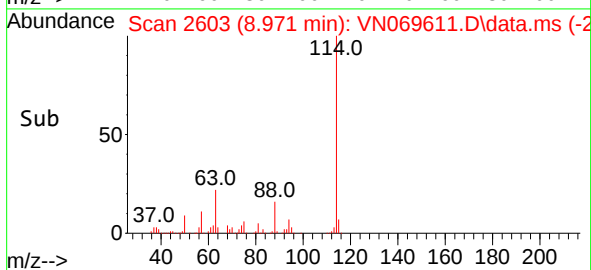
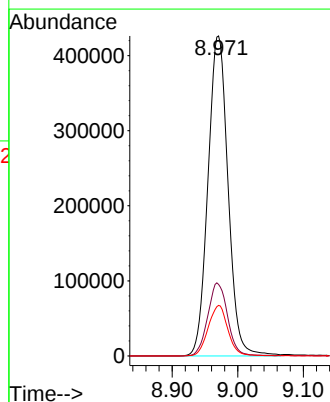
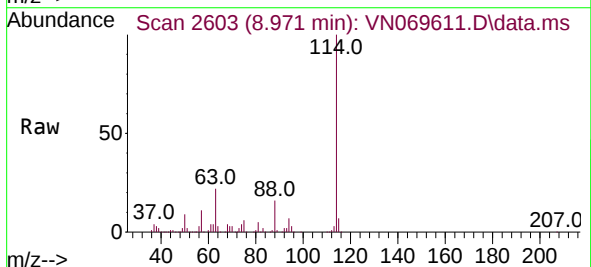
Instrument :
 MSVOA_N
 ClientSampleId :

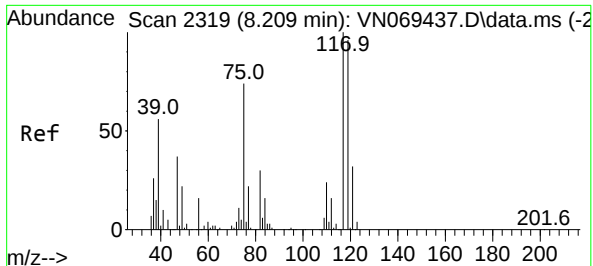
Tgt Ion: 65 Resp: 453097
 Ion Ratio Lower Upper
 65 100
 67 50.4 40.2 60.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.000 min
 Lab File: VN069611.D
 Acq: 22 Nov 2021 15:46

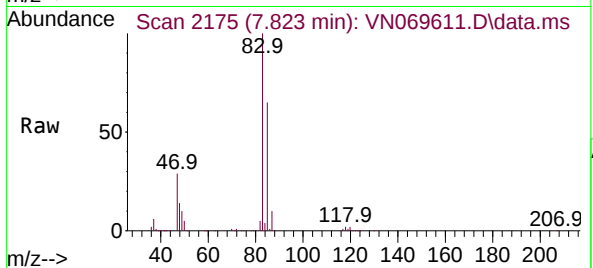
Tgt Ion: 114 Resp: 907245
 Ion Ratio Lower Upper
 114 100
 63 22.6 15.8 23.6
 88 15.5 11.6 17.4



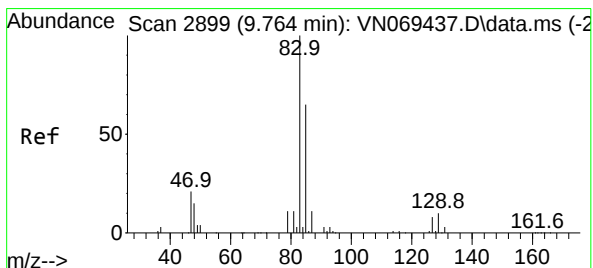
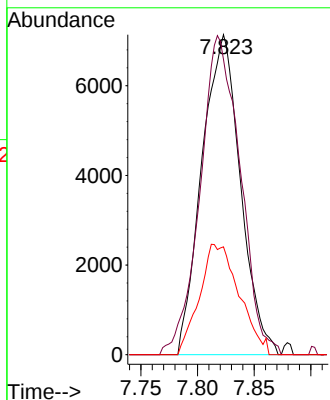
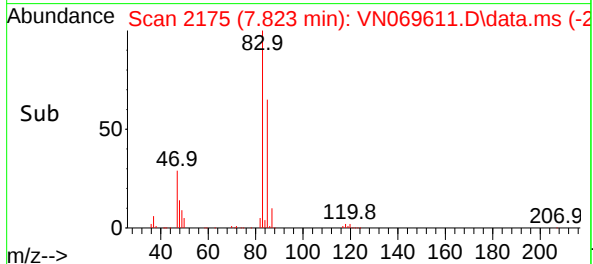


#33
Carbon Tetrachloride
Concen: 1.264 ug/l
RT: 7.823 min Scan# 2175
Delta R.T. -0.386 min
Lab File: VN069611.D
Acq: 22 Nov 2021 15:46

Instrument :
MSVOA_N
ClientSampleId :

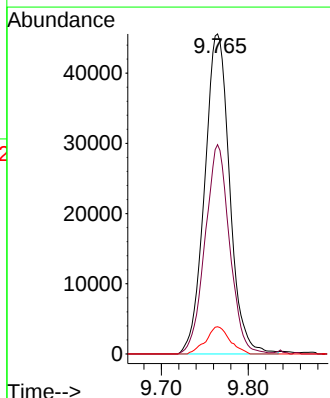
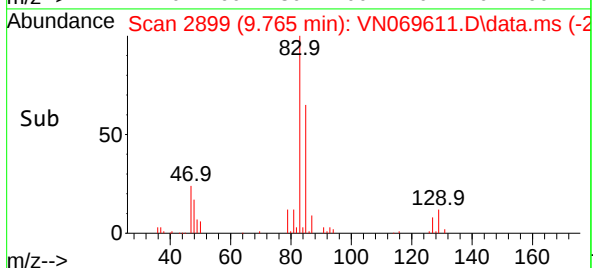
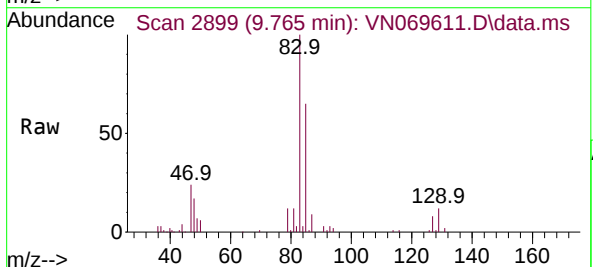


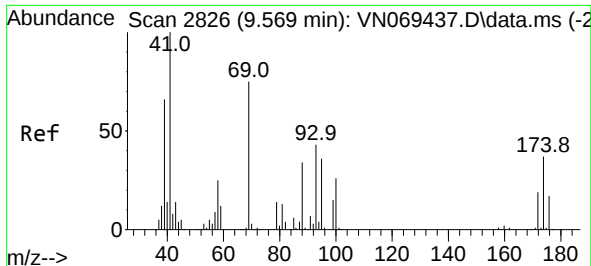
Tgt Ion:117 Resp: 16874
Ion Ratio Lower Upper
117 100
119 89.7 77.5 116.3
121 33.7 23.5 35.3



#41
Bromodichloromethane
Concen: 6.505 ug/l
RT: 9.765 min Scan# 2899
Delta R.T. 0.000 min
Lab File: VN069611.D
Acq: 22 Nov 2021 15:46

Tgt Ion: 83 Resp: 91216
Ion Ratio Lower Upper
83 100
85 65.4 54.1 81.1
127 8.5 7.6 11.4





#45

1,4-Dioxane

Concen: 0.208 ug/l

RT: 9.580 min Scan# 21

Delta R.T. 0.011 min

Lab File: VN069611.D

Acq: 22 Nov 2021 15:46

Instrument :

MSVOA_N

ClientSampleId :

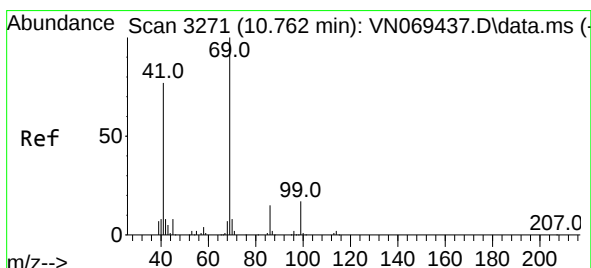
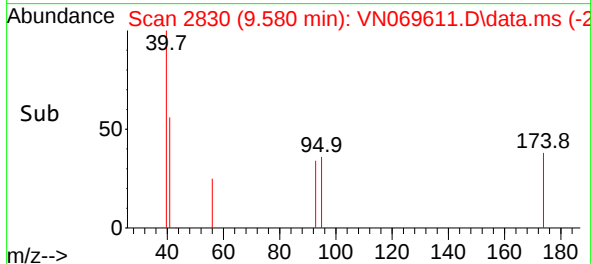
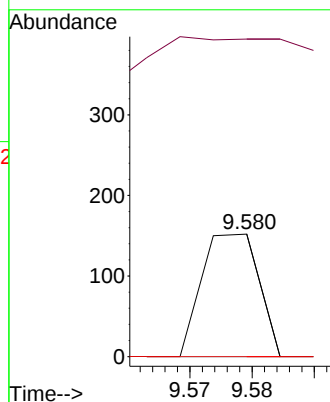
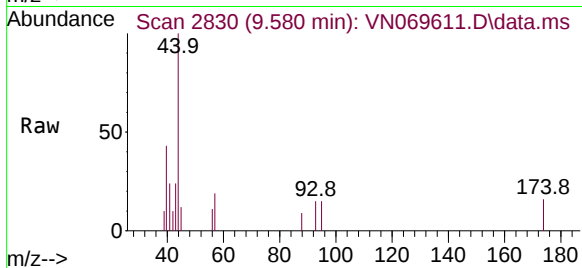
Tgt Ion: 88 Resp: 49

Ion Ratio Lower Upper

88 100

43 77.6 25.0 37.6#

58 0.0 49.4 74.2#



#51

Ethyl methacrylate

Concen: 0.204 ug/l

RT: 10.449 min Scan# 3154

Delta R.T. -0.314 min

Lab File: VN069611.D

Acq: 22 Nov 2021 15:46

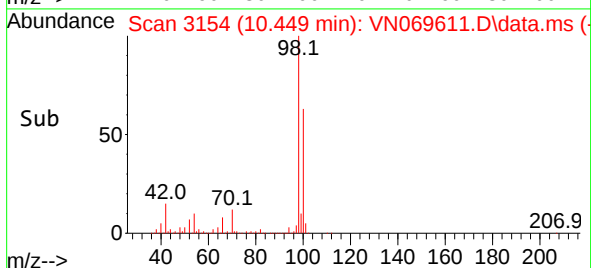
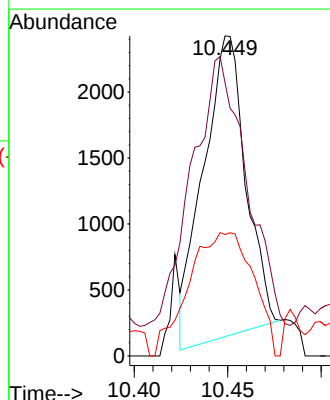
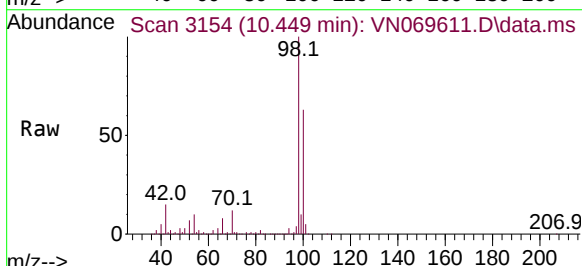
Tgt Ion: 69 Resp: 3623

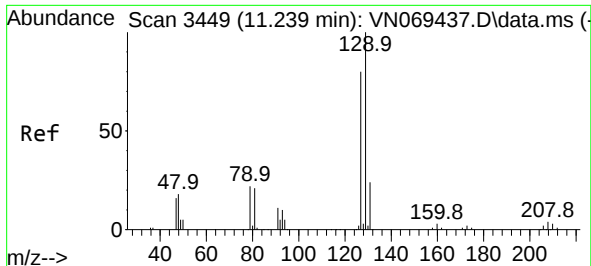
Ion Ratio Lower Upper

69 100

41 81.8 33.0 98.9

39 42.7 25.4 76.4

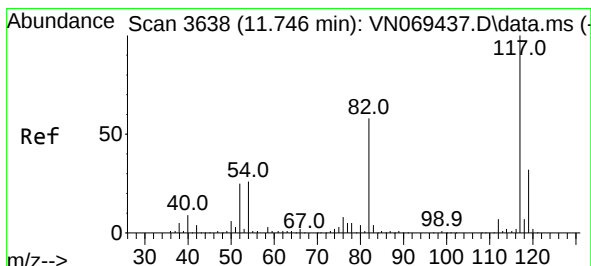
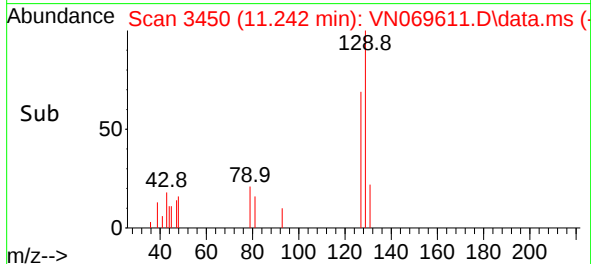
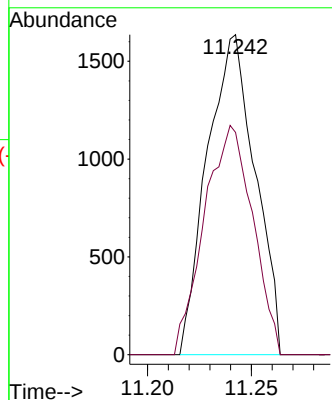
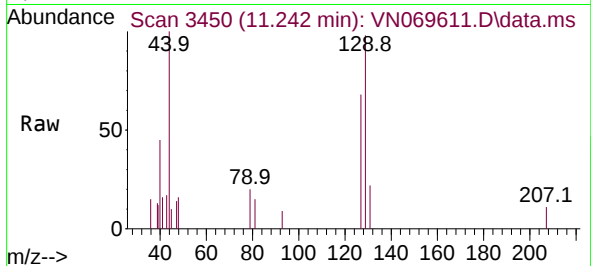




#53
Dibromochloromethane
Concen: 0.259 ug/l
RT: 11.242 min Scan# 3449
Delta R.T. 0.003 min
Lab File: VN069611.D
Acq: 22 Nov 2021 15:46

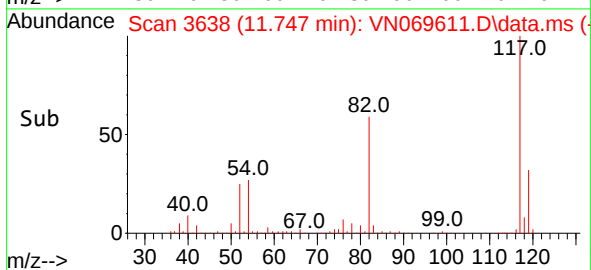
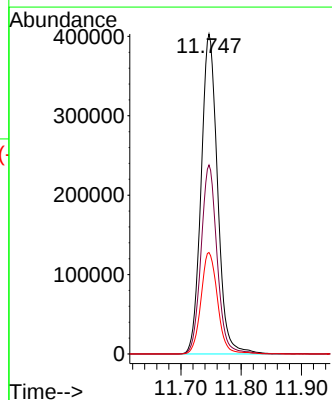
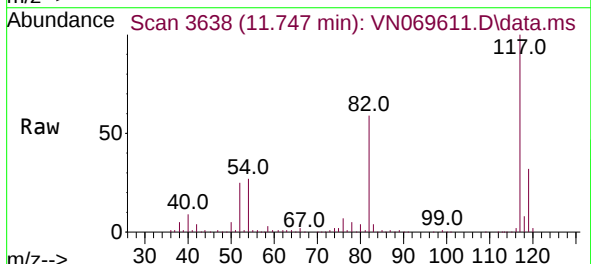
Instrument :
MSVOA_N
ClientSampleId :

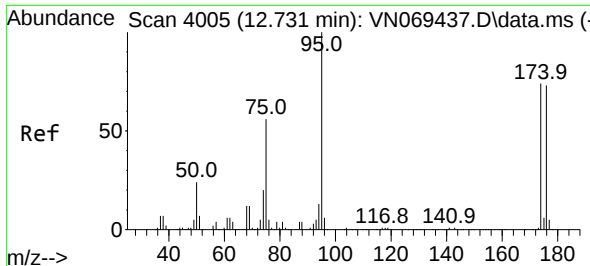
Tgt Ion:129 Resp: 2627
Ion Ratio Lower Upper
129 100
127 72.4 39.0 117.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069611.D
Acq: 22 Nov 2021 15:46

Tgt Ion:117 Resp: 763103
Ion Ratio Lower Upper
117 100
82 58.0 43.6 65.4
119 31.8 25.8 38.6

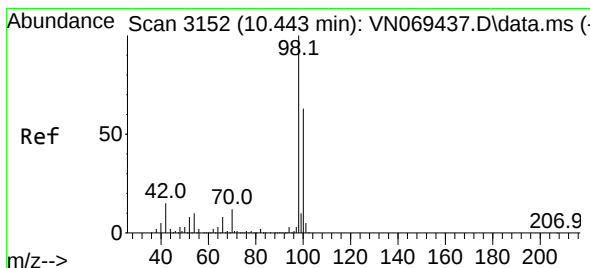
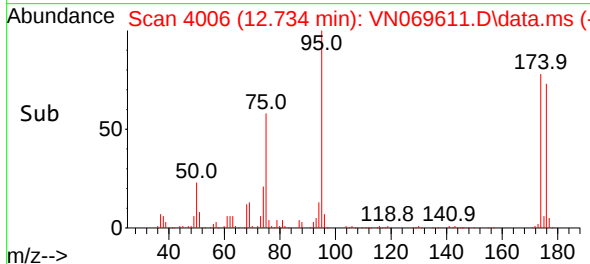
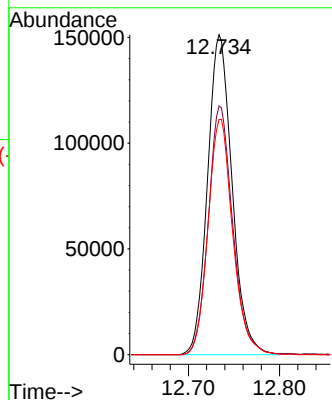
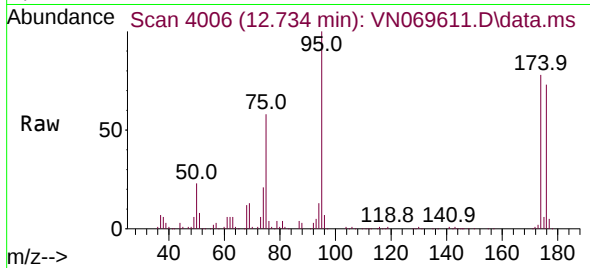




#60
4-Bromofluorobenzene
Concen: 23.192 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.000 min
Lab File: VN069611.D
Acq: 22 Nov 2021 15:46

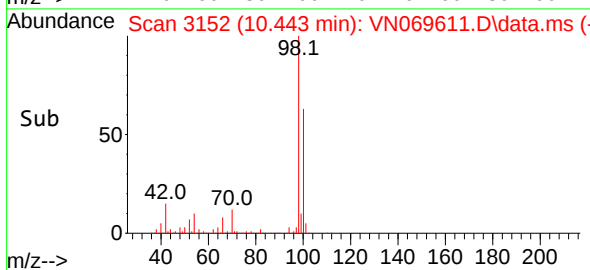
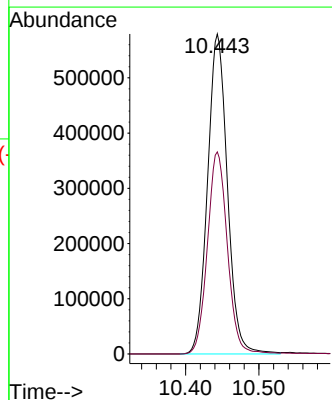
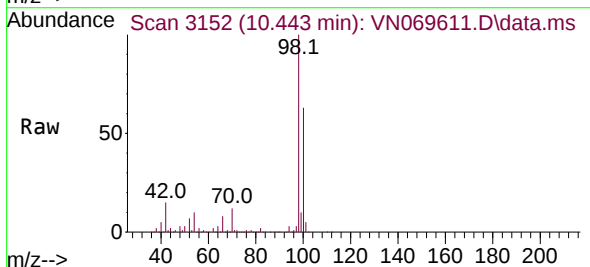
Instrument :
MSVOA_N
ClientSampleId :

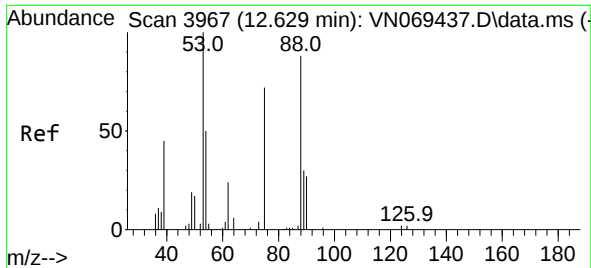
Tgt Ion: 95 Resp: 283210
Ion Ratio Lower Upper
95 100
174 77.2 62.9 94.3
176 73.9 61.0 91.4



#63
Toluene-d8
Concen: 30.885 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069611.D
Acq: 22 Nov 2021 15:46

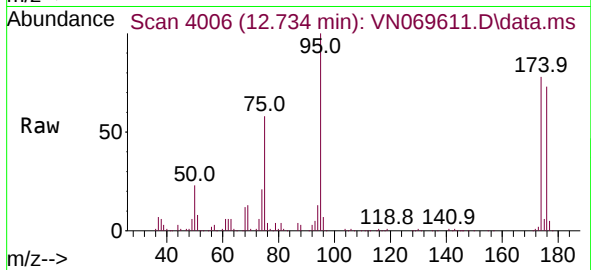
Tgt Ion: 98 Resp: 1088239
Ion Ratio Lower Upper
98 100
100 63.5 50.6 76.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 41.314 ug/l
 RT: 12.734 min Scan# 40
 Delta R.T. 0.105 min
 Lab File: VN069611.D
 Acq: 22 Nov 2021 15:46

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 161830
 Ion Ratio Lower Upper
 75 100
 53 0.2 51.8 155.5#
 89 0.0 22.9 68.7#

