

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
 Data File : VN069612.D
 Acq On : 22 Nov 2021 16:12
 Operator : JC/MD
 Sample : M4703-01 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 23 03:52:46 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)

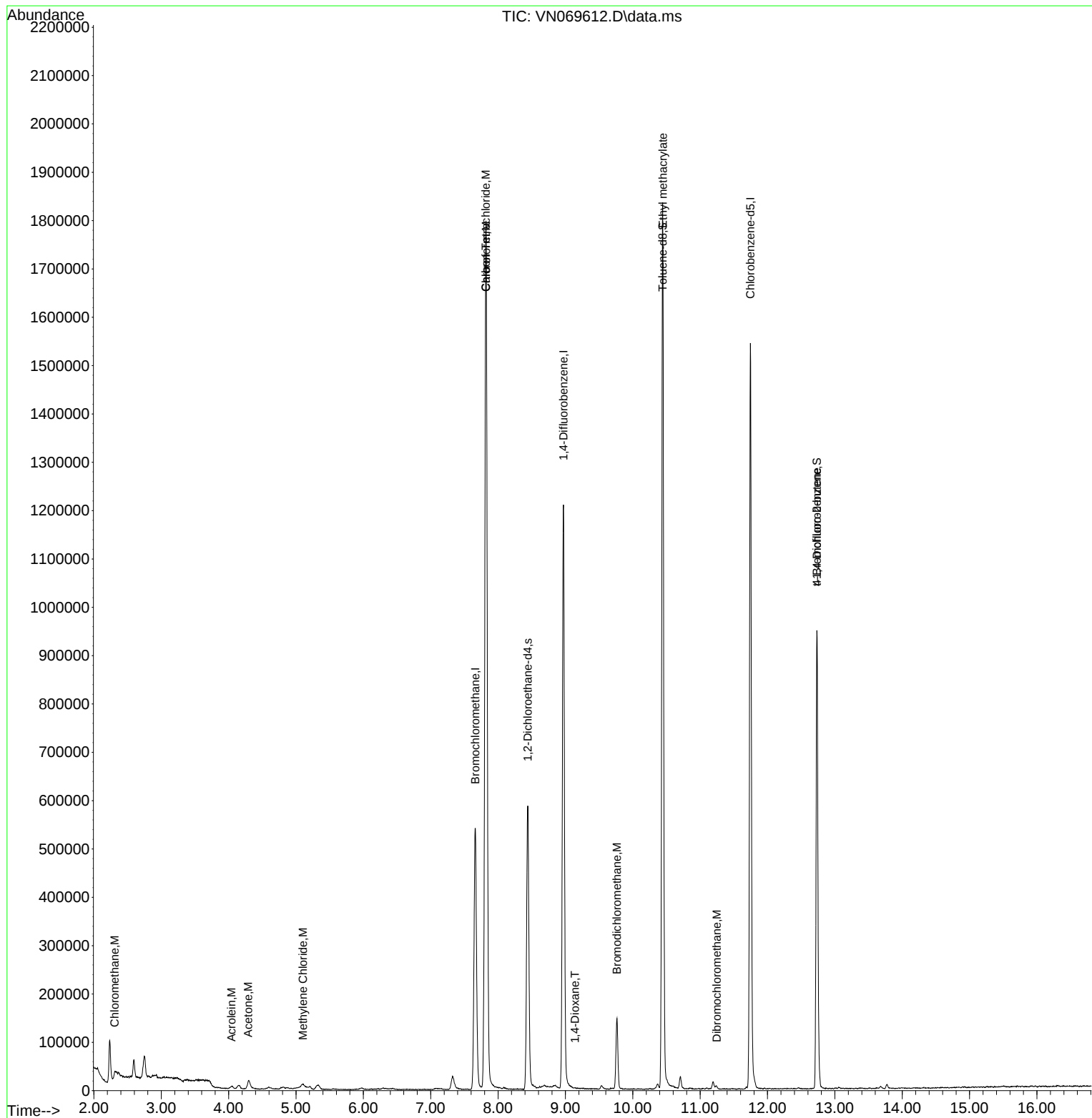
Internal Standards						
1) Bromochloromethane	7.662	128	184763	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	1031906	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	877129	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	511815	31.940	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.467%
60) 4-Bromofluorobenzene	12.733	95	336065	23.942	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.800%
63) Toluene-d8	10.443	98	1272900	31.430	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.767%
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	5557	0.390	ug/l	96
13) Acrolein	4.041	56	2759	3.774	ug/l	94
15) Acetone	4.291	58	3048	1.261	ug/l	91
18) Methylene Chloride	5.103	84	3432	0.292	ug/l	96
25) Chloroform	7.820	83	1751983	79.428	ug/l	99
33) Carbon Tetrachloride	7.817	117	17914	1.179	ug/l	92
41) Bromodichloromethane	9.764	83	98902	6.201	ug/l	94
45) 1,4-Dioxane	9.140	88	88	0.329	ug/l #	1
51) Ethyl methacrylate	10.448	69	5444	0.269	ug/l	75
53) Dibromochloromethane	11.248	129	2791	0.242	ug/l	96
77) t-1,4-Dichloro-2-butene	12.733	75	189804	42.156	ug/l #	8

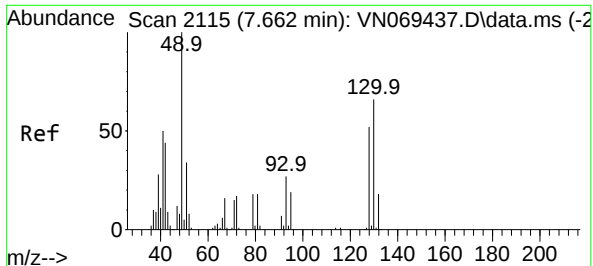
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 23 03:52:46 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

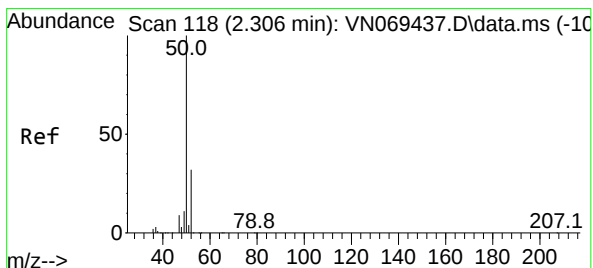
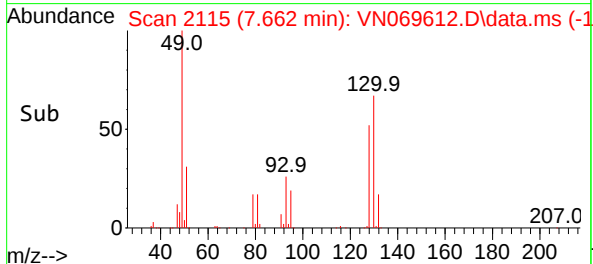
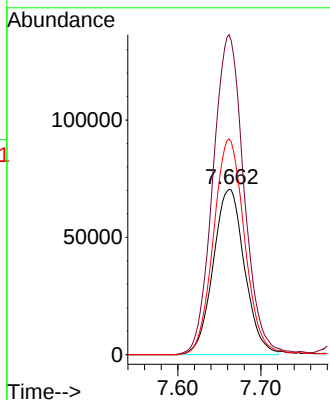
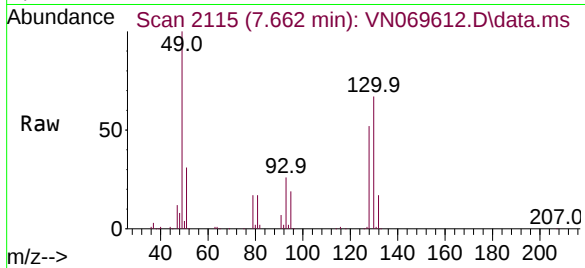




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VN069612.D
Acq: 22 Nov 2021 16:12

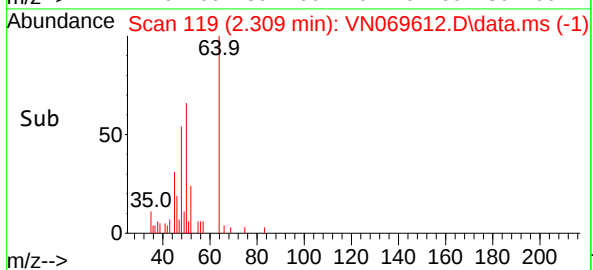
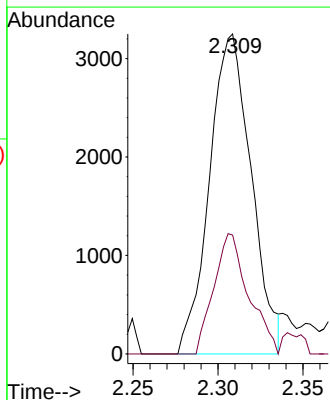
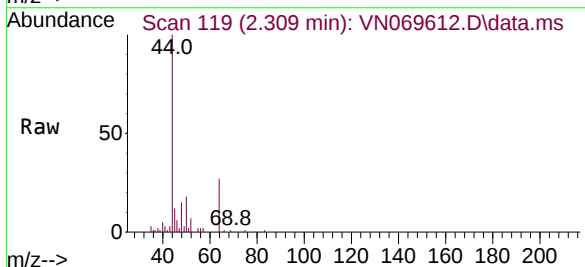
Instrument :
MSVOA_N
ClientSampleId :

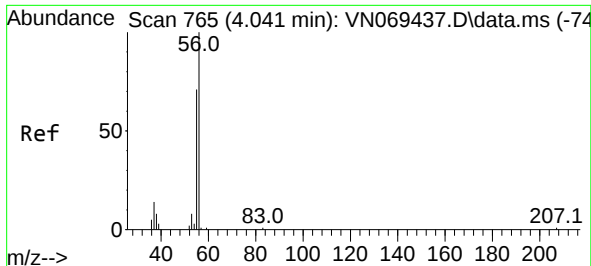
Tgt Ion:128 Resp: 184763
Ion Ratio Lower Upper
128 100
49 192.1 0.0 392.3
130 129.6 0.0 320.2



#3
Chloromethane
Concen: 0.390 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.005 min
Lab File: VN069612.D
Acq: 22 Nov 2021 16:12

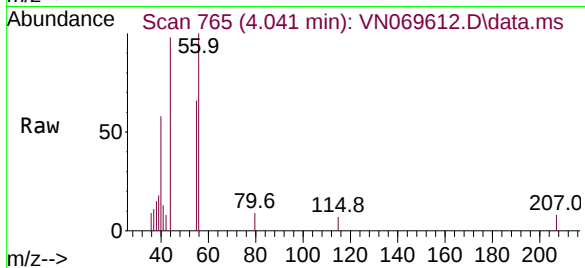
Tgt Ion: 50 Resp: 5557
Ion Ratio Lower Upper
50 100
52 37.1 27.8 41.6



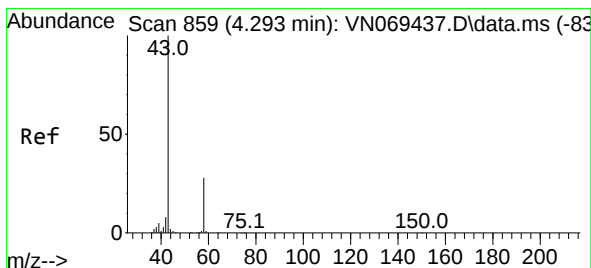
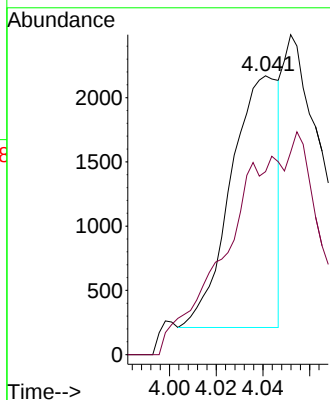
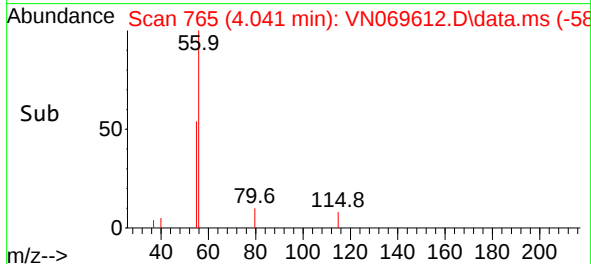


#13
Acrolein
Concen: 3.774 ug/l
RT: 4.041 min Scan# 765
Delta R.T. -0.005 min
Lab File: VN069612.D
Acq: 22 Nov 2021 16:12

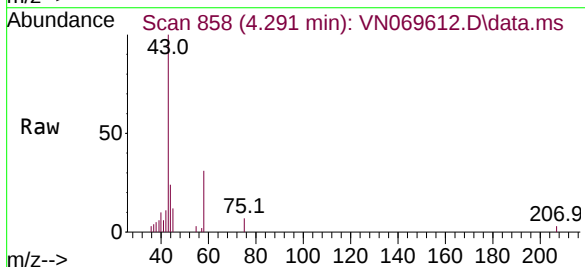
Instrument :
MSVOA_N
ClientSampleId :



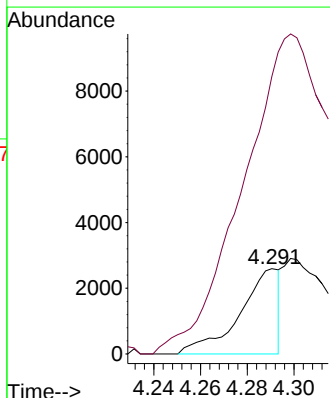
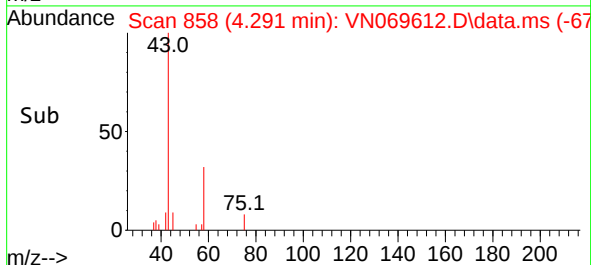
Tgt Ion: 56 Resp: 2759
Ion Ratio Lower Upper
56 100
55 67.0 57.6 86.4

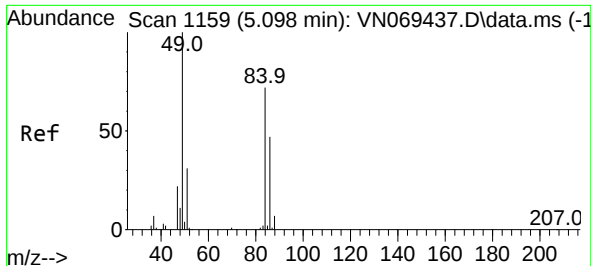


#15
Acetone
Concen: 1.261 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN069612.D
Acq: 22 Nov 2021 16:12



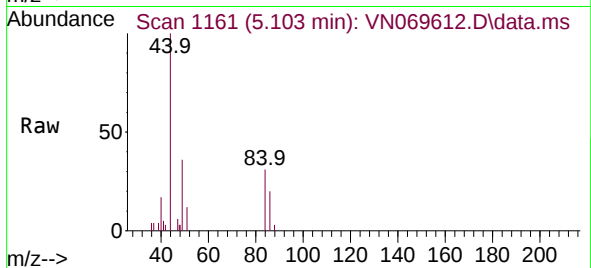
Tgt Ion: 58 Resp: 3048
Ion Ratio Lower Upper
58 100
43 302.5 256.6 384.8



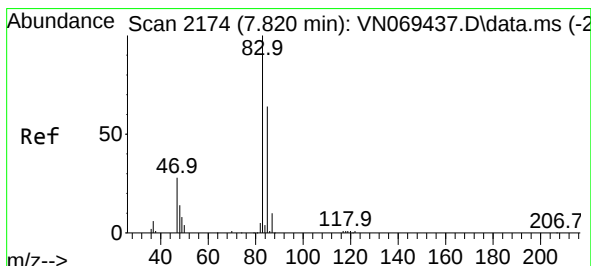
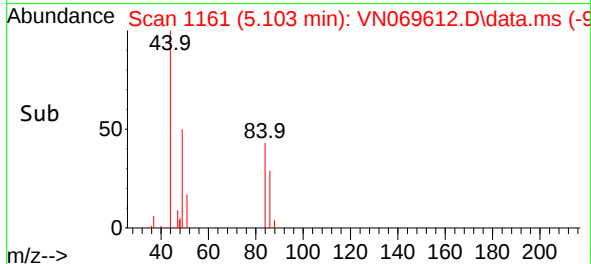
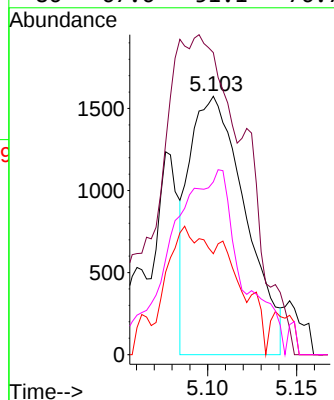


#18
Methylene Chloride
Concen: 0.292 ug/l
RT: 5.103 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN069612.D
Acq: 22 Nov 2021 16:12

Instrument :
MSVOA_N
ClientSampleId :

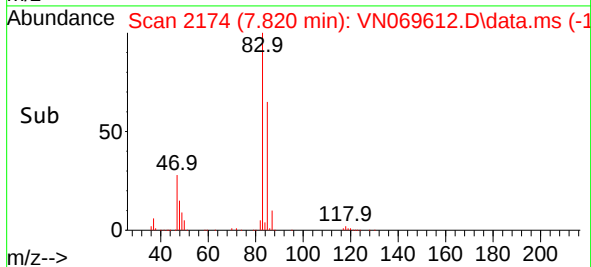
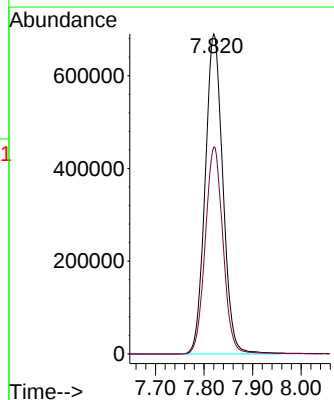
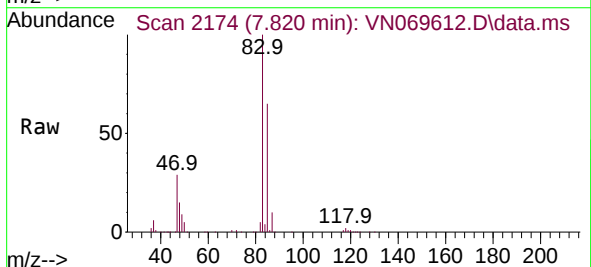


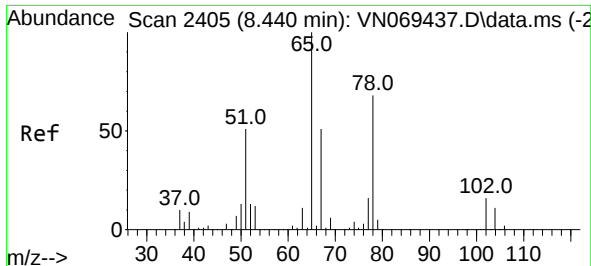
Tgt Ion:	84	Resp:	3432
Ion	Ratio	Lower	Upper
84	100		
49	113.2	91.4	137.0
51	29.7	29.4	44.0
86	67.6	51.1	76.7



#25
Chloroform
Concen: 79.428 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN069612.D
Acq: 22 Nov 2021 16:12

Tgt Ion:	83	Resp:	1751983
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.3	76.9





#27

1,2-Dichloroethane-d4

Concen: 31.940 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VN069612.D

Acq: 22 Nov 2021 16:12

Instrument :

MSVOA_N

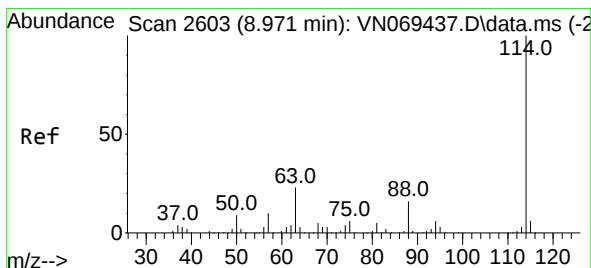
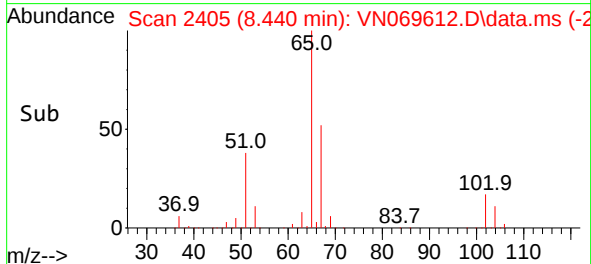
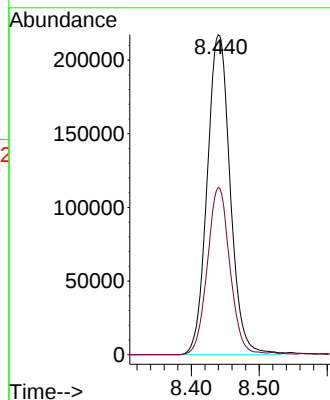
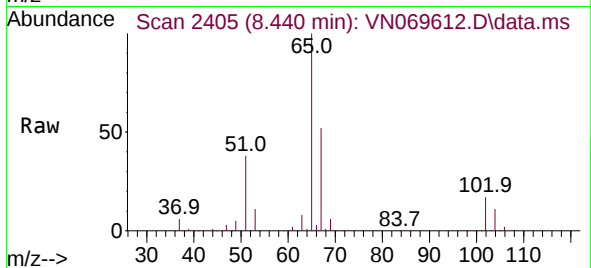
ClientSampleId :

Tgt Ion: 65 Resp: 511815

Ion Ratio Lower Upper

65 100

67 50.8 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: VN069612.D

Acq: 22 Nov 2021 16:12

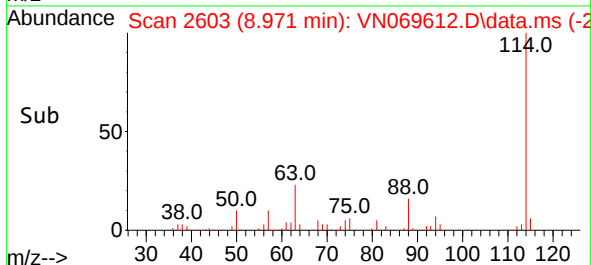
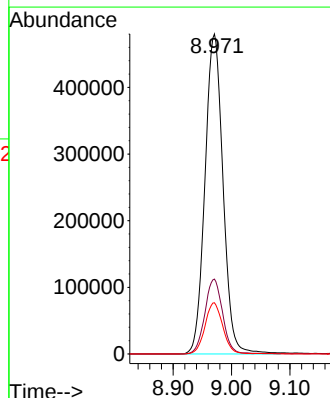
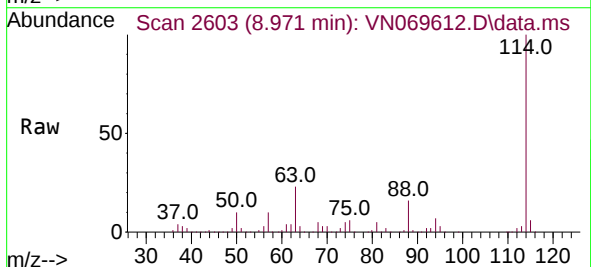
Tgt Ion: 114 Resp: 1031906

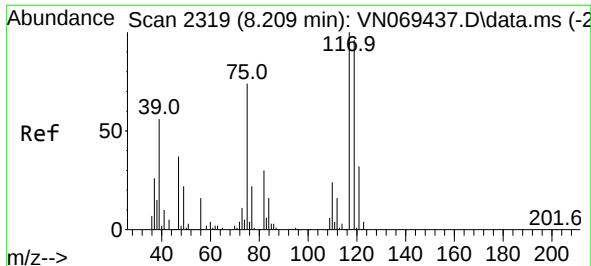
Ion Ratio Lower Upper

114 100

63 22.9 15.8 23.6

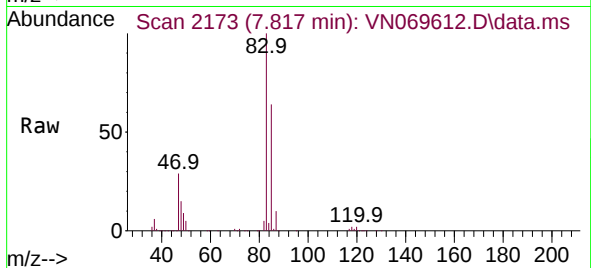
88 15.7 11.6 17.4



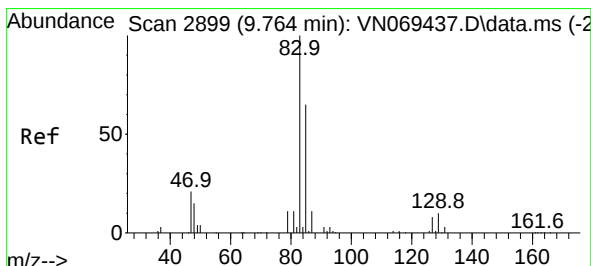
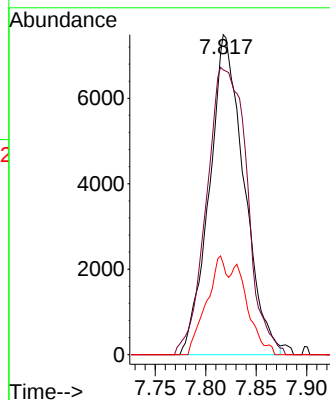
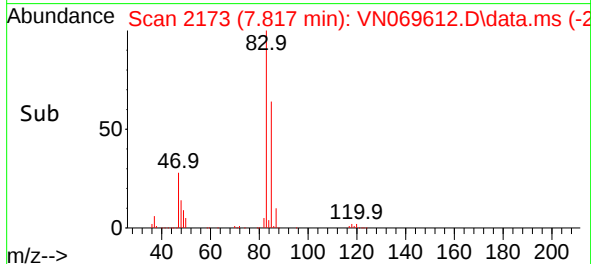


#33
Carbon Tetrachloride
Concen: 1.179 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. -0.392 min
Lab File: VN069612.D
Acq: 22 Nov 2021 16:12

Instrument :
MSVOA_N
ClientSampleId :

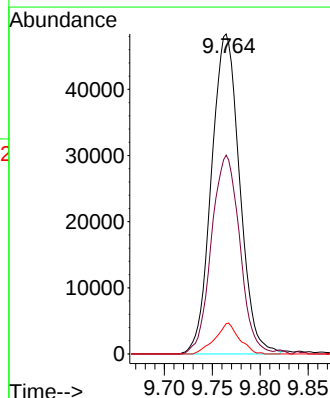
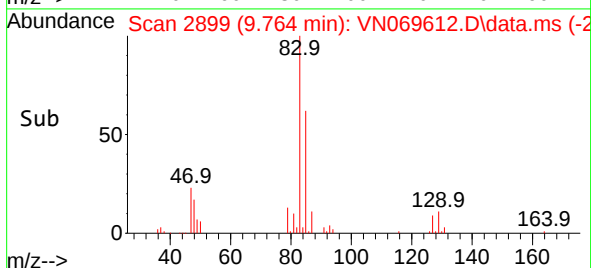
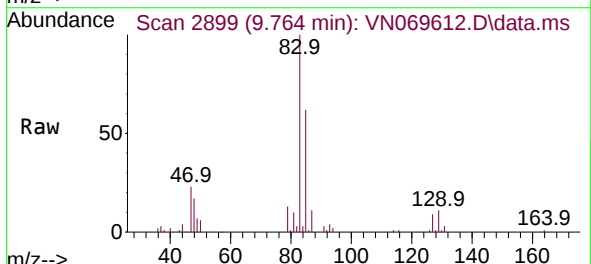


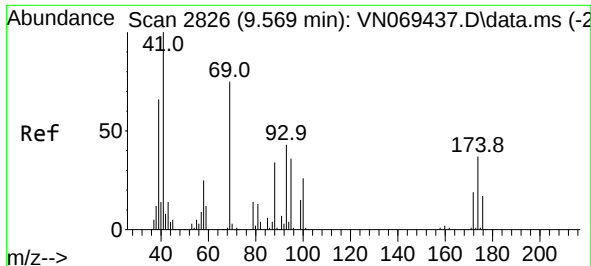
Tgt Ion:117 Resp: 17914
Ion Ratio Lower Upper
117 100
119 87.0 77.5 116.3
121 28.4 23.5 35.3



#41
Bromodichloromethane
Concen: 6.201 ug/l
RT: 9.764 min Scan# 2899
Delta R.T. 0.000 min
Lab File: VN069612.D
Acq: 22 Nov 2021 16:12

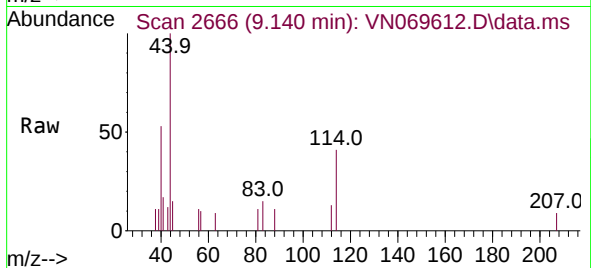
Tgt Ion: 83 Resp: 98902
Ion Ratio Lower Upper
83 100
85 62.1 54.1 81.1
127 9.5 7.6 11.4



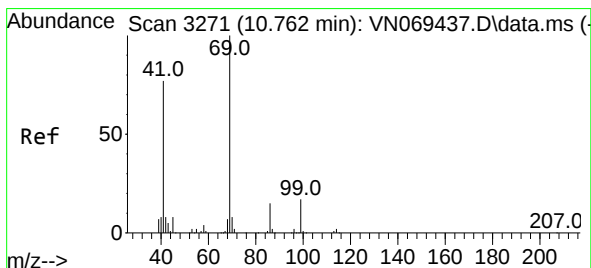
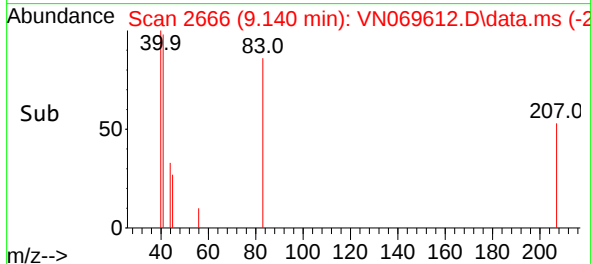
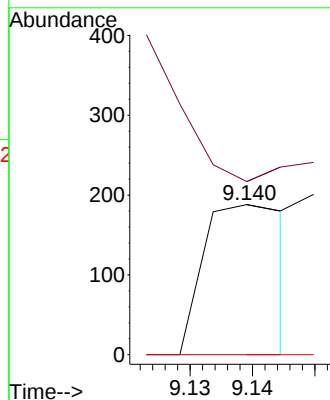


#45
1,4-Dioxane
Concen: 0.329 ug/l
RT: 9.140 min Scan# 21
Delta R.T. -0.429 min
Lab File: VN069612.D
Acq: 22 Nov 2021 16:12

Instrument :
MSVOA_N
ClientSampleId :

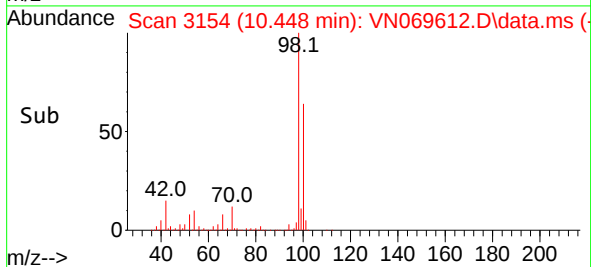
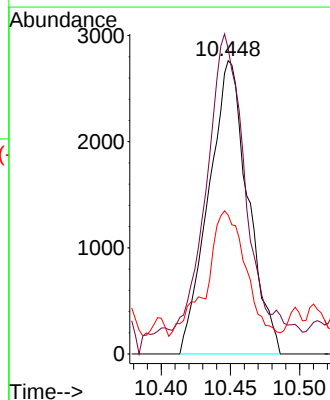
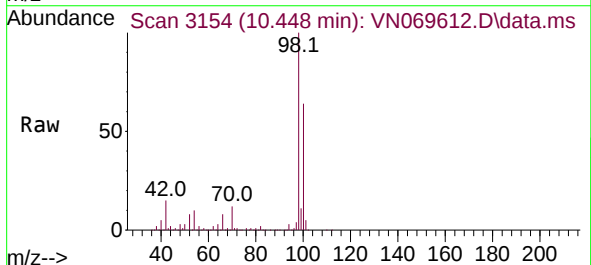


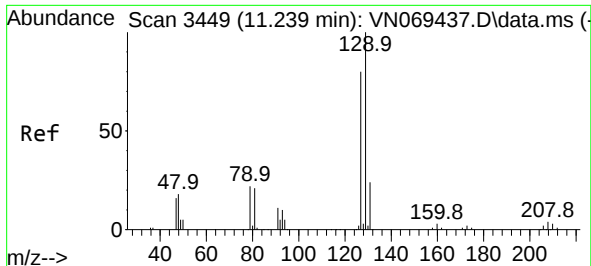
Tgt Ion: 88 Resp: 88
Ion Ratio Lower Upper
88 100
43 167.0 25.0 37.6#
58 0.0 49.4 74.2#



#51
Ethyl methacrylate
Concen: 0.269 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.314 min
Lab File: VN069612.D
Acq: 22 Nov 2021 16:12

Tgt Ion: 69 Resp: 5444
Ion Ratio Lower Upper
69 100
41 91.6 33.0 98.9
39 40.1 25.4 76.4

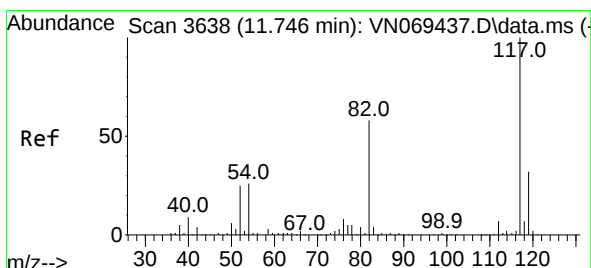
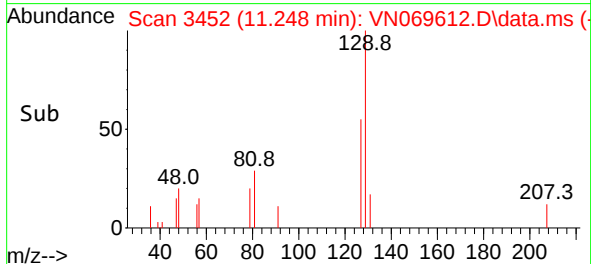
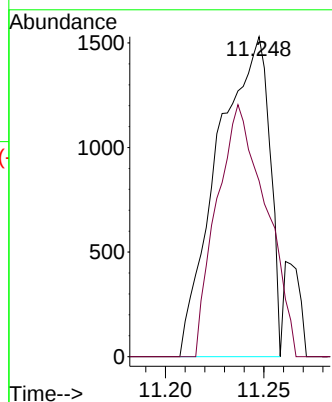
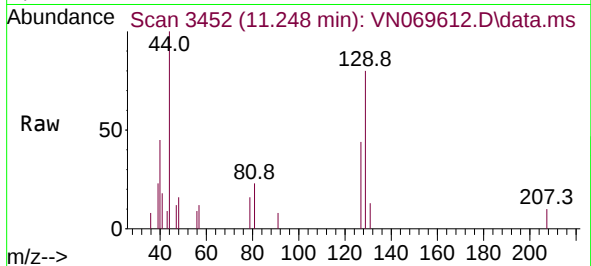




#53
Dibromochloromethane
Concen: 0.242 ug/l
RT: 11.248 min Scan# 3449
Delta R.T. 0.008 min
Lab File: VN069612.D
Acq: 22 Nov 2021 16:12

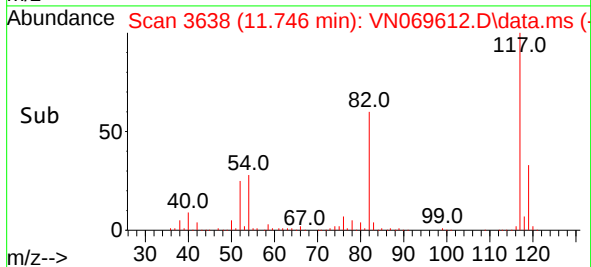
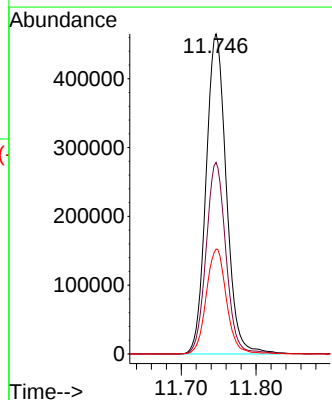
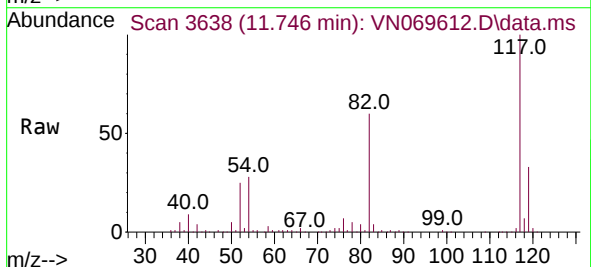
Instrument :
MSVOA_N
ClientSampleId :

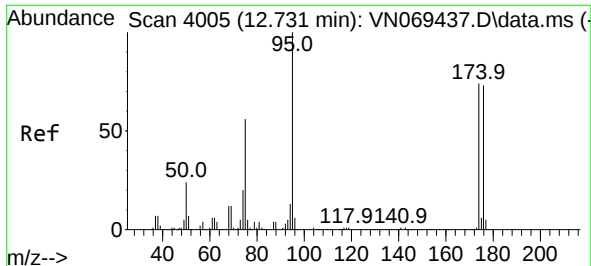
Tgt Ion:129 Resp: 2791
Ion Ratio Lower Upper
129 100
127 74.8 39.0 117.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069612.D
Acq: 22 Nov 2021 16:12

Tgt Ion:117 Resp: 877129
Ion Ratio Lower Upper
117 100
82 58.8 43.6 65.4
119 32.6 25.8 38.6

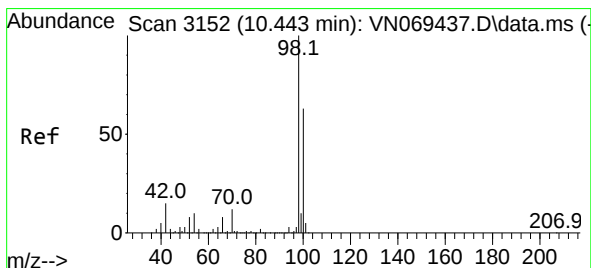
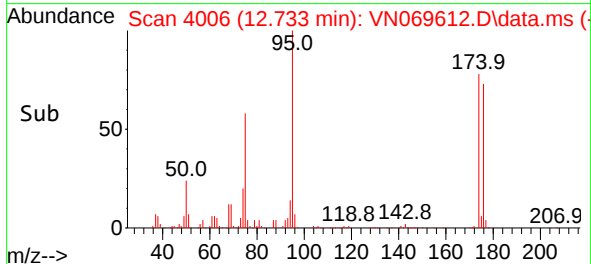
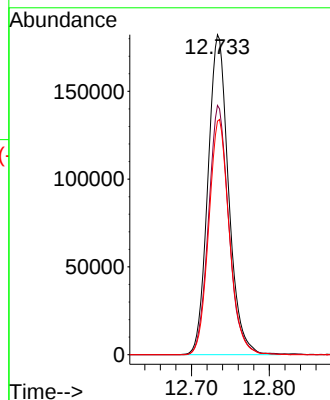
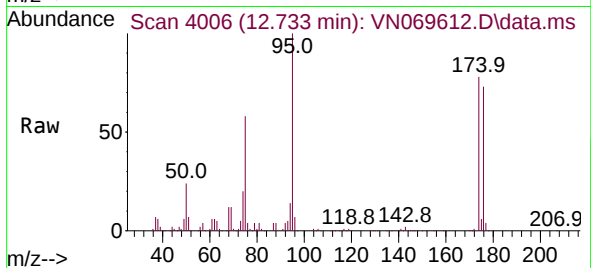




#60
4-Bromofluorobenzene
Concen: 23.942 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069612.D
Acq: 22 Nov 2021 16:12

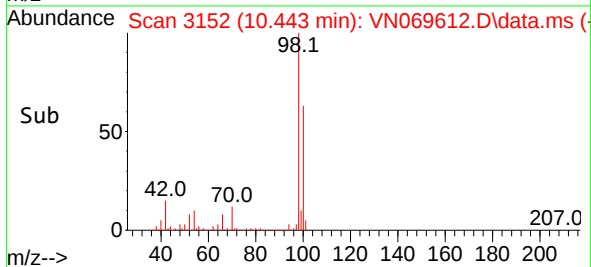
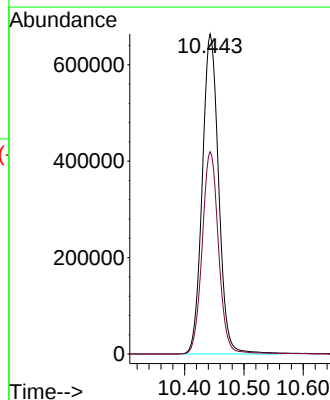
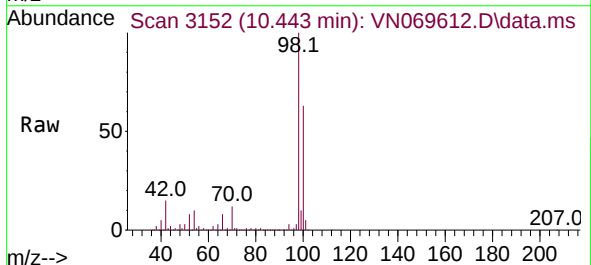
Instrument :
MSVOA_N
ClientSampleId :

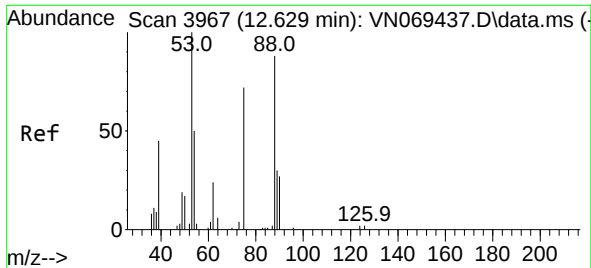
Tgt Ion: 95 Resp: 336065
Ion Ratio Lower Upper
95 100
174 76.6 62.9 94.3
176 72.9 61.0 91.4



#63
Toluene-d8
Concen: 31.430 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069612.D
Acq: 22 Nov 2021 16:12

Tgt Ion: 98 Resp: 1272900
Ion Ratio Lower Upper
98 100
100 62.9 50.6 76.0





#77

t-1,4-Dichloro-2-butene

Concen: 42.156 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. 0.105 min

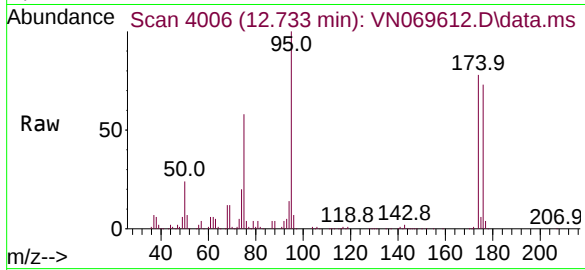
Lab File: VN069612.D

Acq: 22 Nov 2021 16:12

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 189804

Ion Ratio Lower Upper

75 100

53 0.0 51.8 155.5#

89 0.0 22.9 68.7#

