

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
 Data File : VN069614.D
 Acq On : 22 Nov 2021 17:03
 Operator : JC/MD
 Sample : M4703-04 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 23 03:53:19 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)

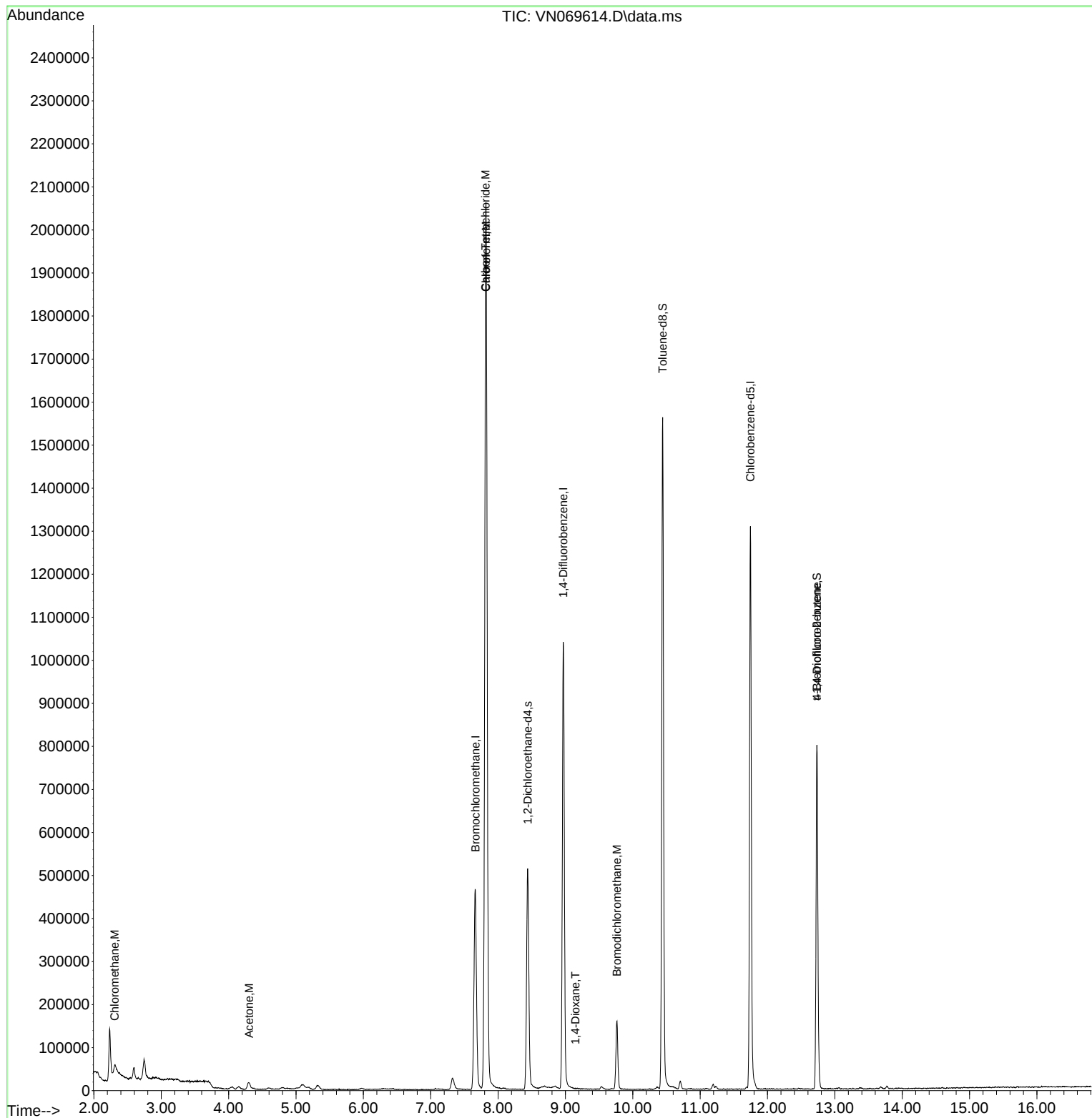
Internal Standards						
1) Bromochloromethane	7.665	128	160572	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	873128	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	740736	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	438196	31.466	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.900%
60) 4-Bromofluorobenzene	12.733	95	288499	24.338	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.133%
63) Toluene-d8	10.443	98	1072248	31.351	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.500%
Target Compounds						
						Qvalue
3) Chloromethane	2.306	50	4923	0.398	ug/l	100
15) Acetone	4.301	58	5089	2.422	ug/l	91
25) Chloroform	7.820	83	1989379	103.778	ug/l	99
33) Carbon Tetrachloride	7.815	117	20193	1.571	ug/l	97
41) Bromodichloromethane	9.765	83	105063	7.786	ug/l	96
45) 1,4-Dioxane	9.150	88	53	0.234	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.733	75	161638	42.511	ug/l #	8

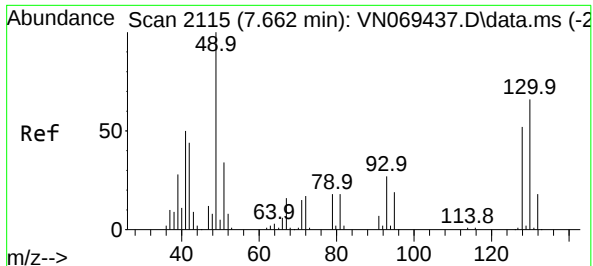
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
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Response via : Initial Calibration

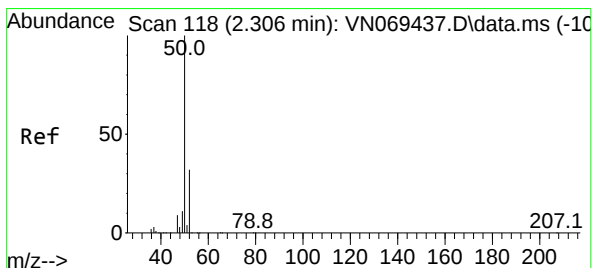
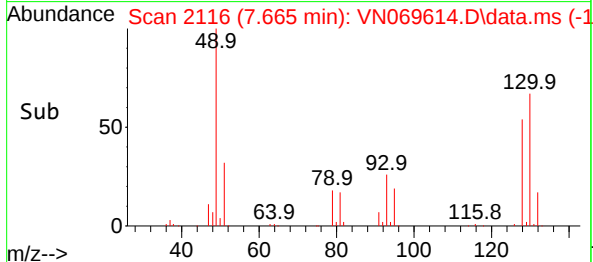
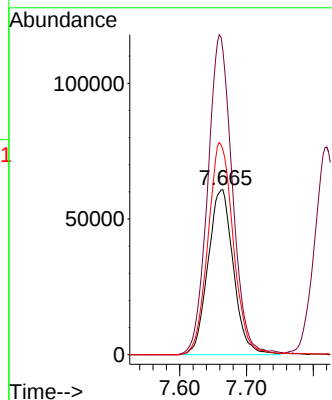
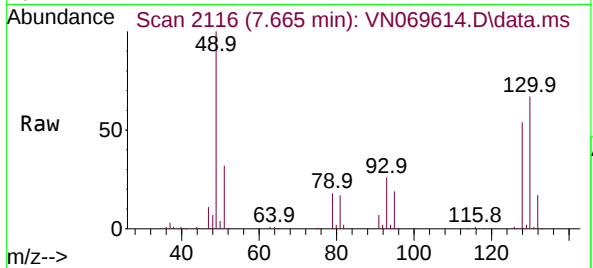




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.665 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN069614.D
Acq: 22 Nov 2021 17:03

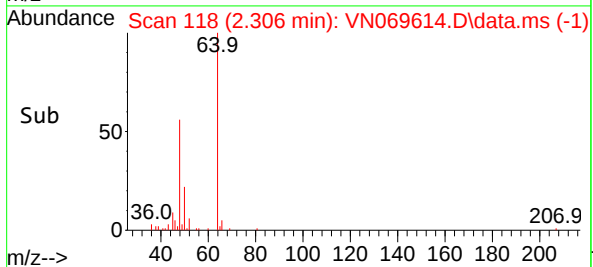
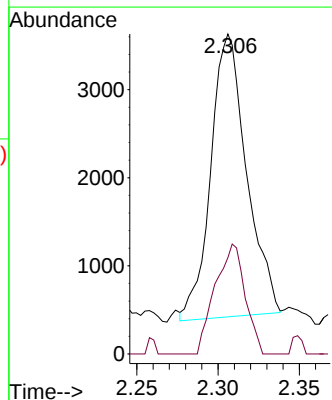
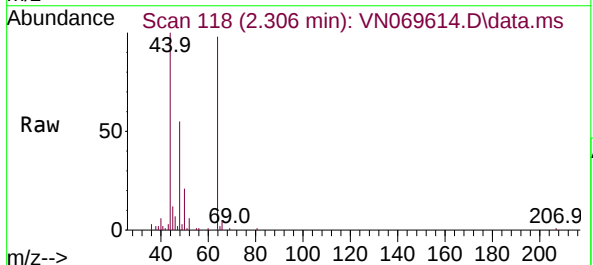
Instrument :
MSVOA_N
ClientSampleId :

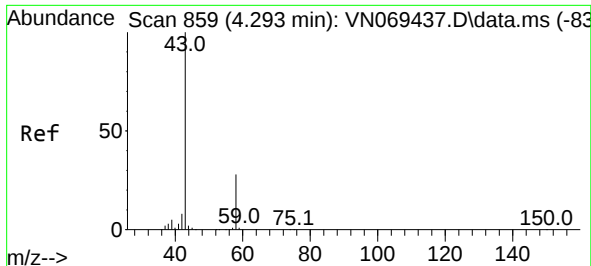
Tgt Ion:128 Resp: 160572
Ion Ratio Lower Upper
128 100
49 187.4 0.0 392.3
130 127.6 0.0 320.2



#3
Chloromethane
Concen: 0.398 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069614.D
Acq: 22 Nov 2021 17:03

Tgt Ion: 50 Resp: 4923
Ion Ratio Lower Upper
50 100
52 34.6 27.8 41.6

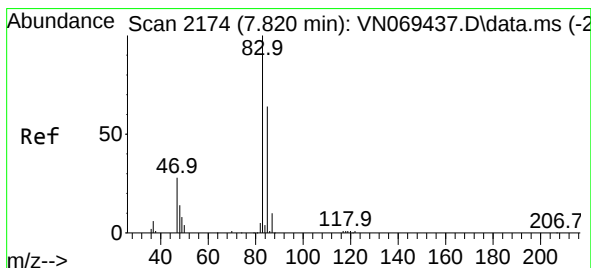
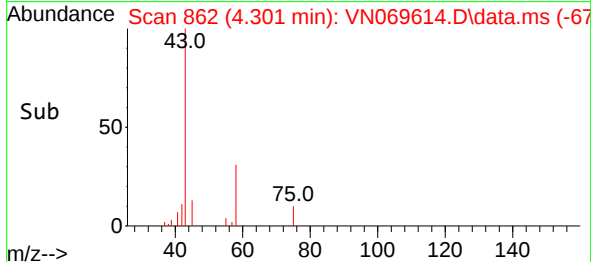
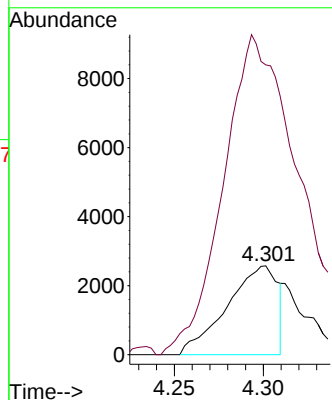
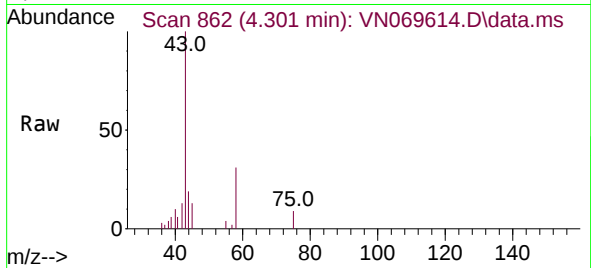




#15
Acetone
Concen: 2.422 ug/l
RT: 4.301 min Scan# 80
Delta R.T. 0.014 min
Lab File: VN069614.D
Acq: 22 Nov 2021 17:03

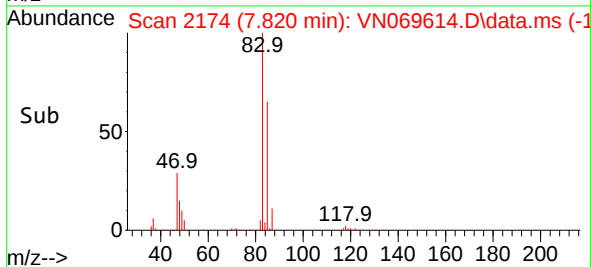
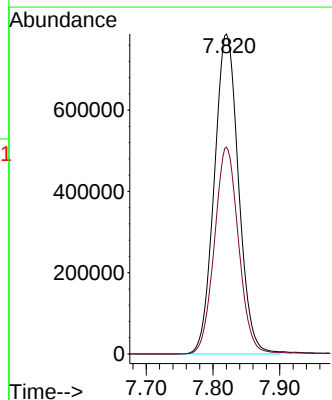
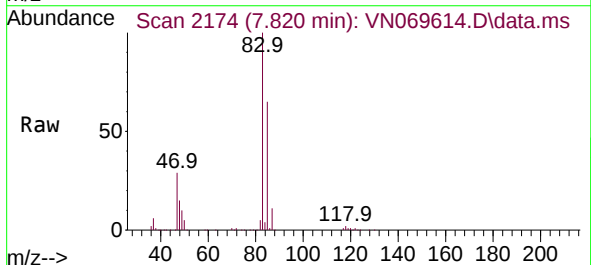
Instrument :
MSVOA_N
ClientSampleId :

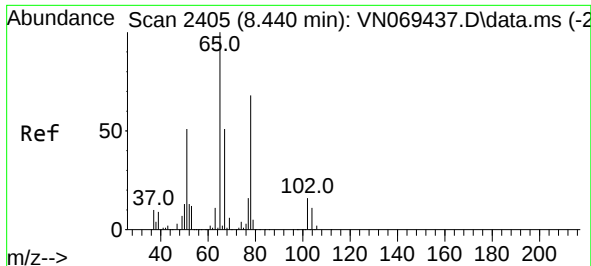
Tgt Ion: 58 Resp: 5089
Ion Ratio Lower Upper
58 100
43 302.5 256.6 384.8



#25
Chloroform
Concen: 103.778 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN069614.D
Acq: 22 Nov 2021 17:03

Tgt Ion: 83 Resp: 1989379
Ion Ratio Lower Upper
83 100
85 64.7 51.3 76.9

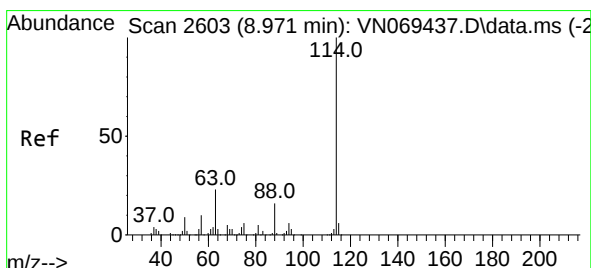
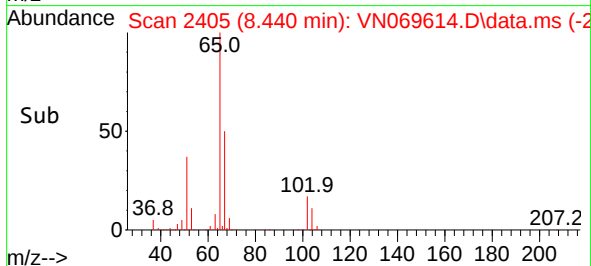
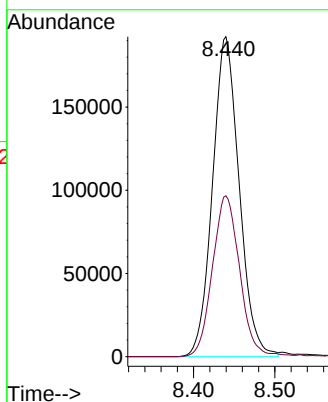
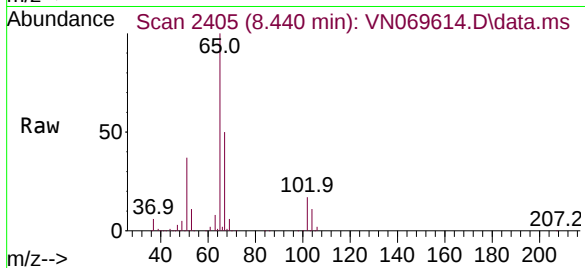




#27
1,2-Dichloroethane-d4
Concen: 31.466 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069614.D
Acq: 22 Nov 2021 17:03

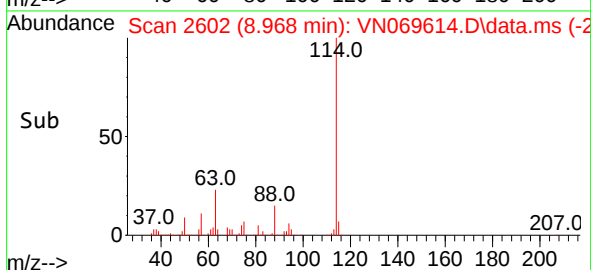
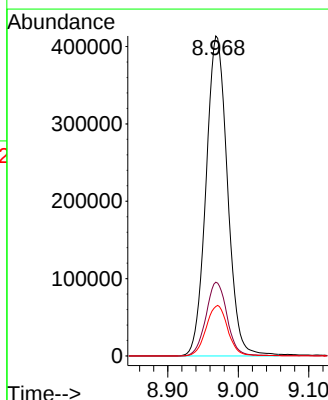
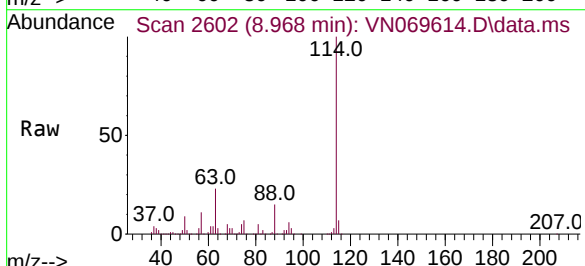
Instrument :
MSVOA_N
ClientSampleId :

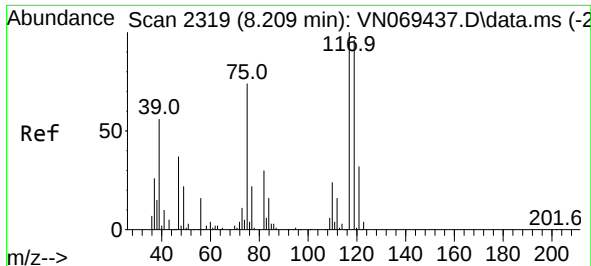
Tgt Ion: 65 Resp: 438196
Ion Ratio Lower Upper
65 100
67 50.9 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.003 min
Lab File: VN069614.D
Acq: 22 Nov 2021 17:03

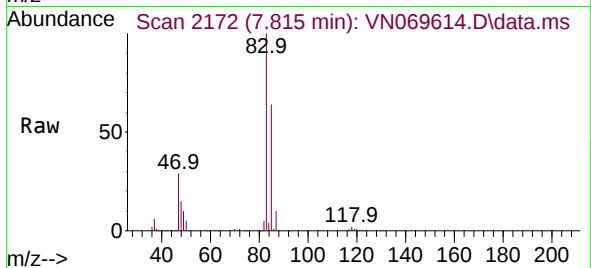
Tgt Ion: 114 Resp: 873128
Ion Ratio Lower Upper
114 100
63 22.8 15.8 23.6
88 15.8 11.6 17.4



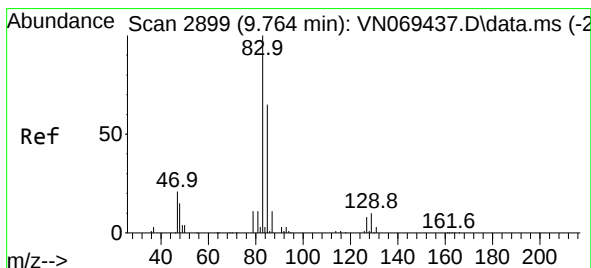
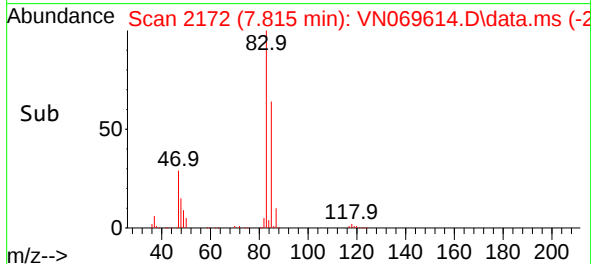
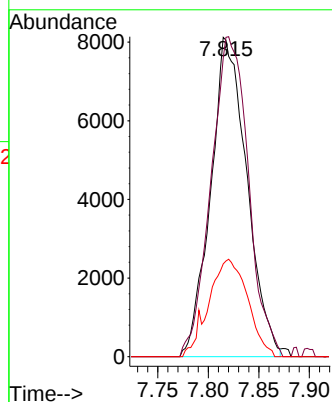


#33
Carbon Tetrachloride
Concen: 1.571 ug/l
RT: 7.815 min Scan# 2133
Delta R.T. -0.394 min
Lab File: VN069614.D
Acq: 22 Nov 2021 17:03

Instrument :
MSVOA_N
ClientSampleId :

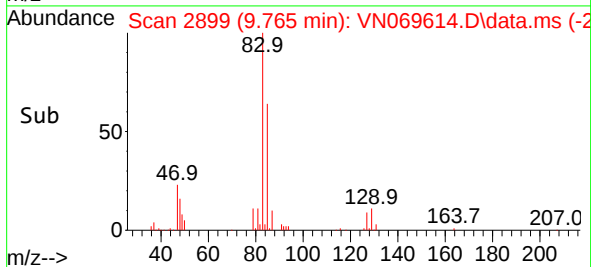
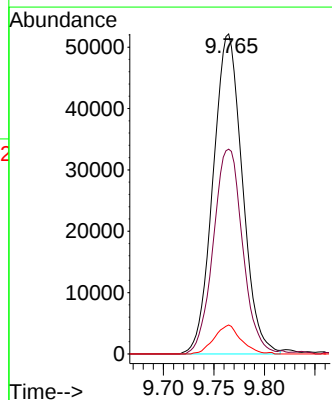
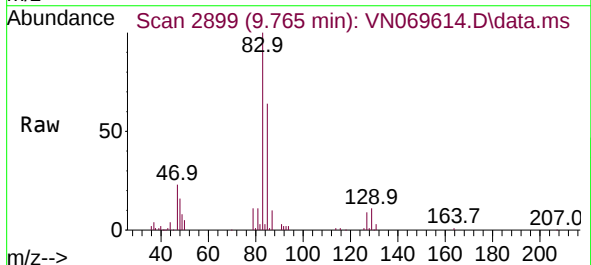


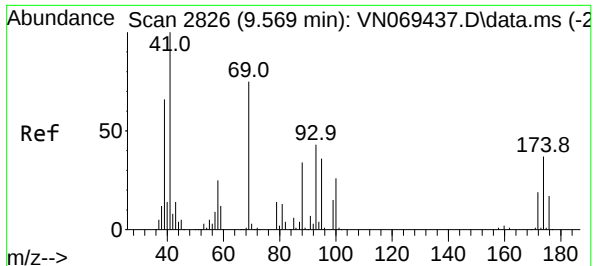
Tgt Ion:117 Resp: 20193
Ion Ratio Lower Upper
117 100
119 93.5 77.5 116.3
121 29.0 23.5 35.3



#41
Bromodichloromethane
Concen: 7.786 ug/l
RT: 9.765 min Scan# 2899
Delta R.T. 0.000 min
Lab File: VN069614.D
Acq: 22 Nov 2021 17:03

Tgt Ion: 83 Resp: 105063
Ion Ratio Lower Upper
83 100
85 64.0 54.1 81.1
127 9.1 7.6 11.4





#45

1,4-Dioxane

Concen: 0.234 ug/l

RT: 9.150 min Scan# 2

Delta R.T. -0.418 min

Lab File: VN069614.D

Acq: 22 Nov 2021 17:03

Instrument :

MSVOA_N

ClientSampleId :

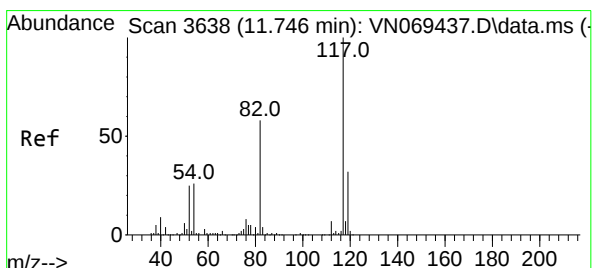
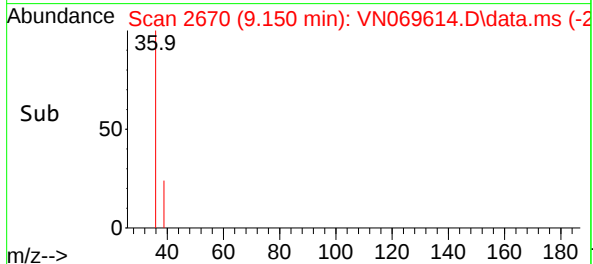
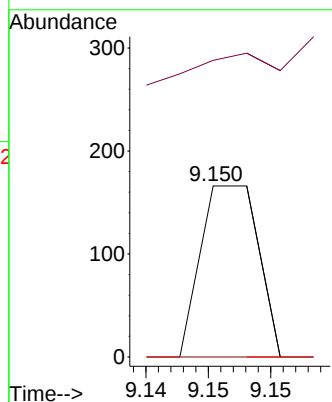
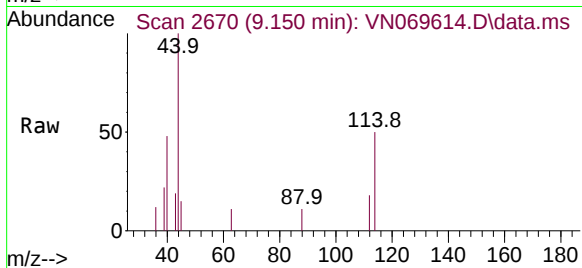
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 124.5 25.0 37.6#

58 0.0 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: VN069614.D

Acq: 22 Nov 2021 17:03

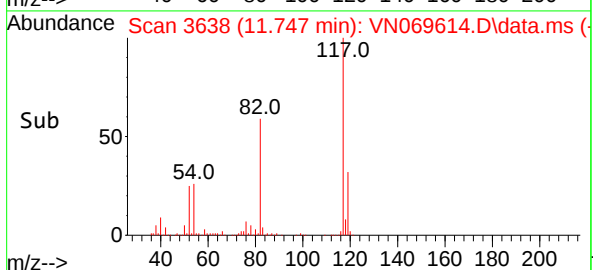
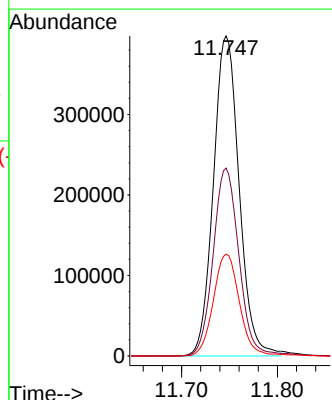
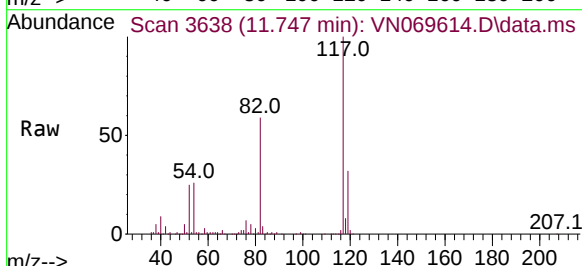
Tgt Ion: 117 Resp: 740736

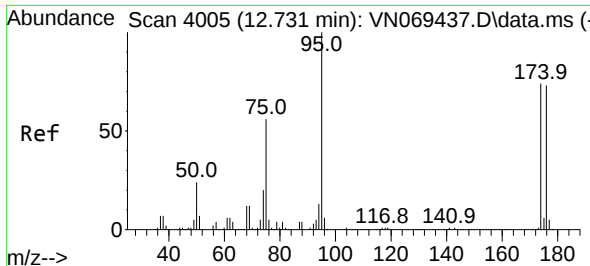
Ion Ratio Lower Upper

117 100

82 59.1 43.6 65.4

119 32.0 25.8 38.6

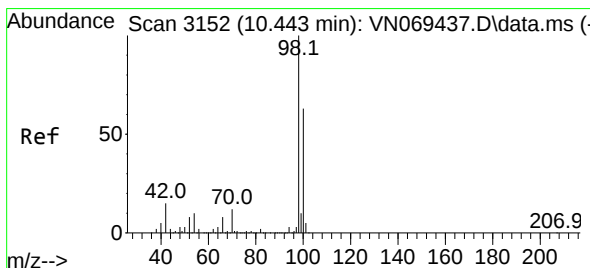
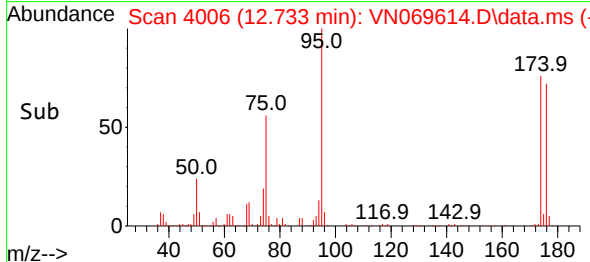
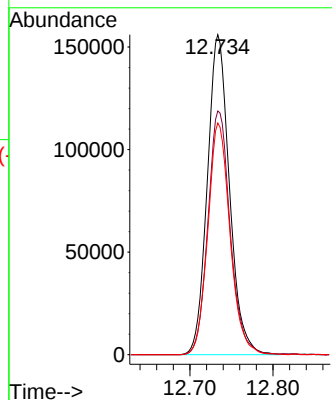
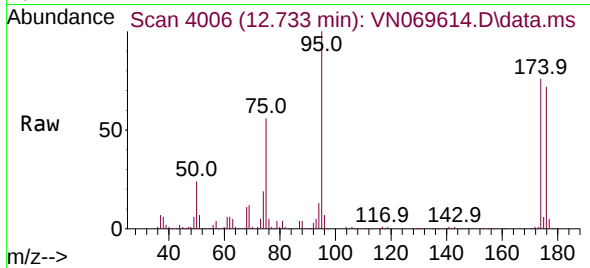




#60
4-Bromofluorobenzene
Concen: 24.338 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.000 min
Lab File: VN069614.D
Acq: 22 Nov 2021 17:03

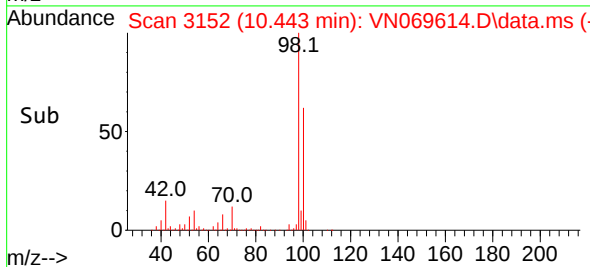
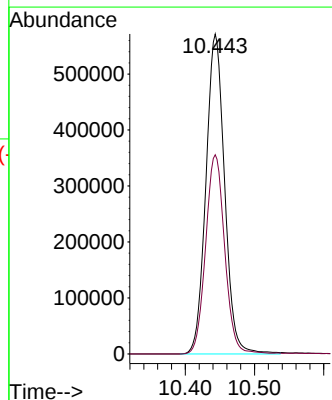
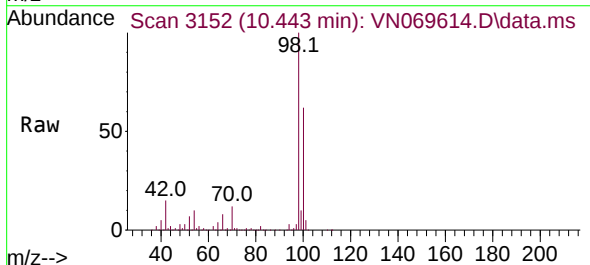
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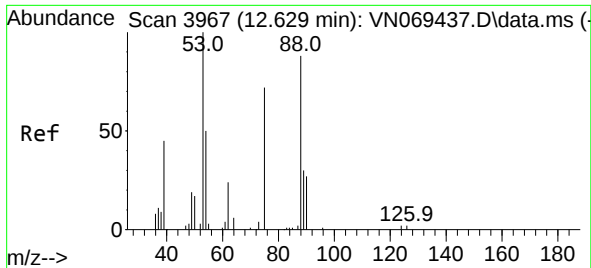
Tgt Ion: 95 Resp: 288499
Ion Ratio Lower Upper
95 100
174 76.8 62.9 94.3
176 72.4 61.0 91.4



#63
Toluene-d8
Concen: 31.351 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069614.D
Acq: 22 Nov 2021 17:03

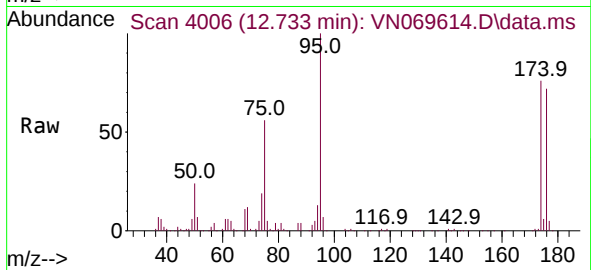
Tgt Ion: 98 Resp: 1072248
Ion Ratio Lower Upper
98 100
100 63.5 50.6 76.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 42.511 ug/l
 RT: 12.733 min Scan# 40
 Delta R.T. 0.105 min
 Lab File: VN069614.D
 Acq: 22 Nov 2021 17:03

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 161638
 Ion Ratio Lower Upper
 75 100
 53 0.2 51.8 155.5#
 89 0.0 22.9 68.7#

