

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082322\
 Data File : VN074069.D
 Acq On : 23 Aug 2022 15:36
 Operator : JC\MD
 Sample : N4277-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 U-2

Quant Time: Aug 24 01:21:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 18:07:26 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

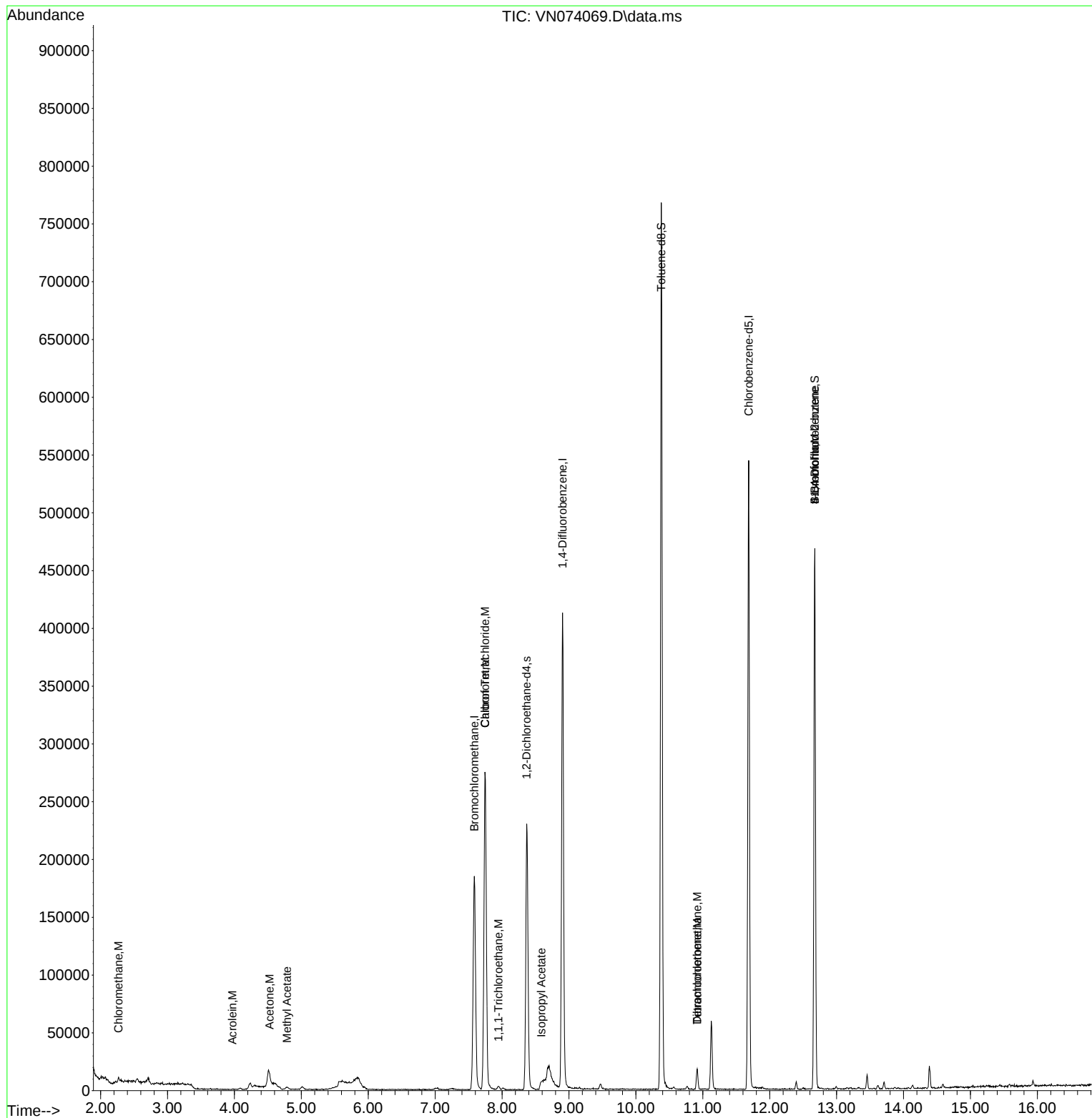
Internal Standards						
1) Bromochloromethane	7.586	128	76400	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	379067	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	335402	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	190890	28.898	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.333%
60) 4-Bromofluorobenzene	12.674	95	155285	26.148	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.167%
63) Toluene-d8	10.380	98	535707	28.366	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.567%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	2078	0.303	ug/l	98
12) Methyl Acetate	4.787	43	3472	0.427	ug/l #	56
13) Acrolein	3.969	56	322	0.225	ug/l #	14
15) Acetone	4.528	58	462	0.443	ug/l	96
25) Chloroform	7.745	83	286338	27.087	ug/l	100
32) 1,1,1-Trichloroethane	7.945	97	2142	0.261	ug/l #	45
33) Carbon Tetrachloride	7.745	117	3499	0.498	ug/l	91
44) Isopropyl Acetate	8.586	43	4042	0.313	ug/l #	1
53) Dibromochloromethane	10.916	129	4108	0.689	ug/l #	10
56) Bromoform	12.674	173	1224	0.261	ug/l #	1
61) Tetrachloroethene	10.916	164	4412	0.859	ug/l	96
77) t-1,4-Dichloro-2-butene	12.674	75	77077	29.758	ug/l #	9

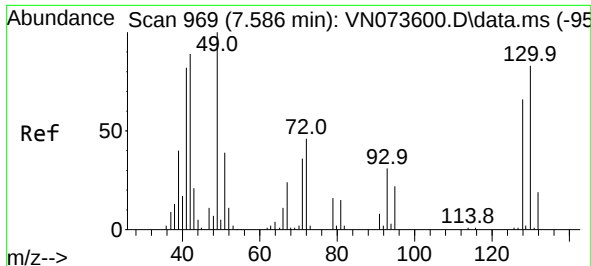
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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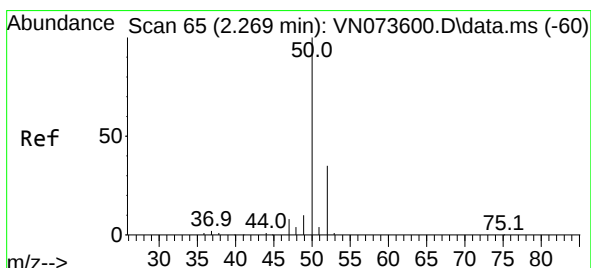
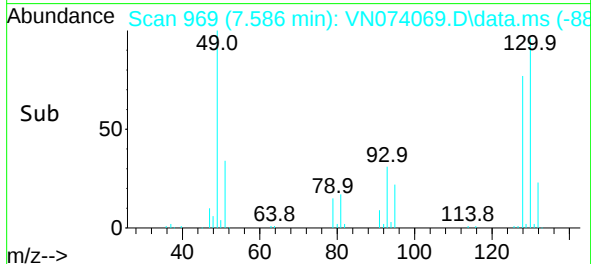
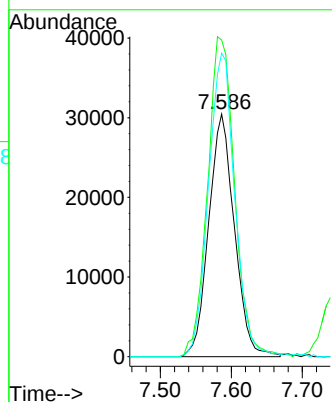
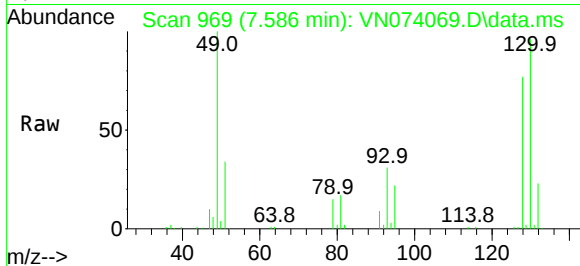




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.586 min Scan# 969
Delta R.T. 0.000 min
Lab File: VN074069.D
Acq: 23 Aug 2022 15:36

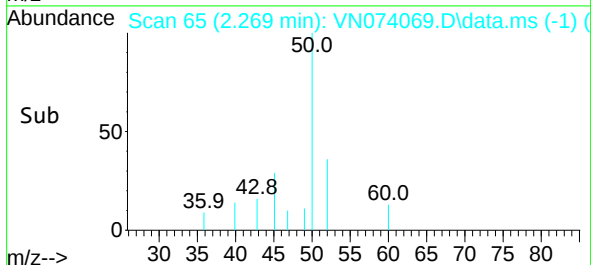
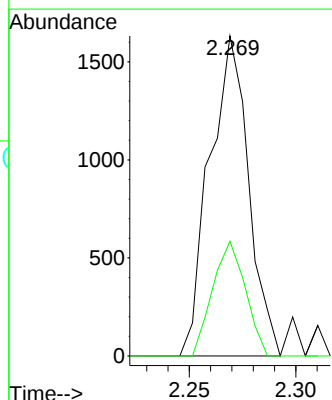
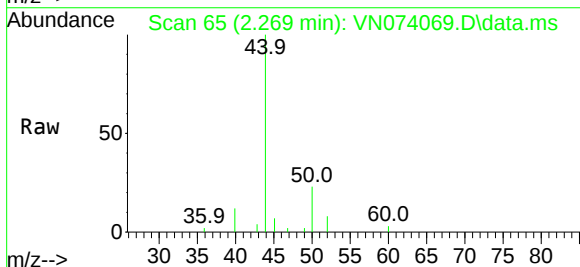
Instrument :
MSVOA_N
ClientSampleId :
U-2

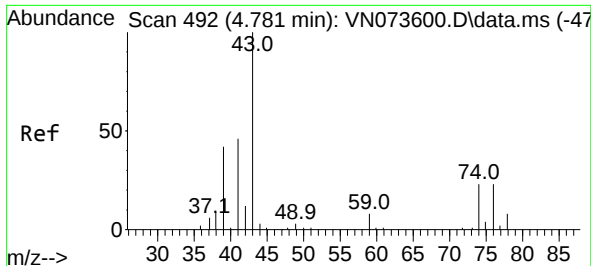
Tgt Ion:128 Resp: 76400
Ion Ratio Lower Upper
128 100
49 139.0 0.0 392.3
130 128.6 0.0 320.2



#3
Chloromethane
Concen: 0.303 ug/l
RT: 2.269 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN074069.D
Acq: 23 Aug 2022 15:36

Tgt Ion: 50 Resp: 2078
Ion Ratio Lower Upper
50 100
52 35.8 27.8 41.6

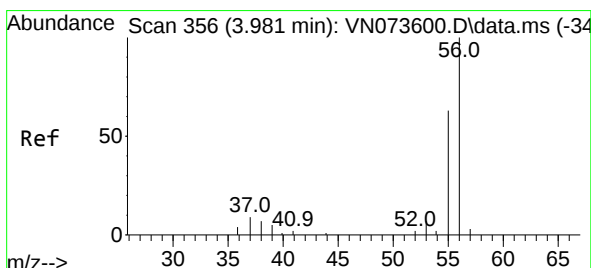
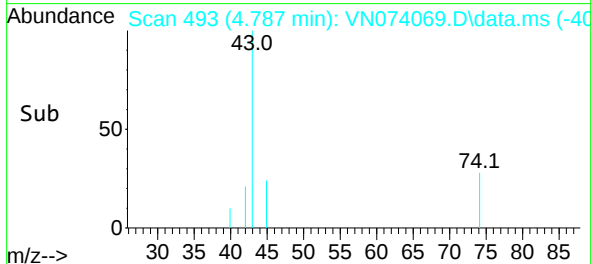
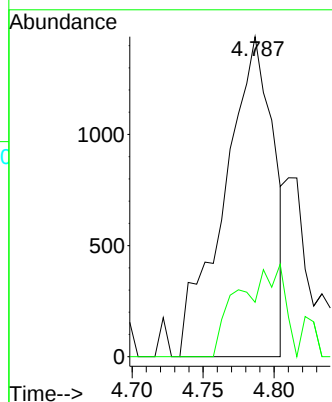
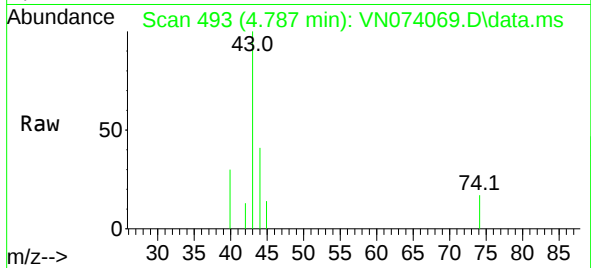




#12
Methyl Acetate
Concen: 0.427 ug/l
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN074069.D
Acq: 23 Aug 2022 15:36

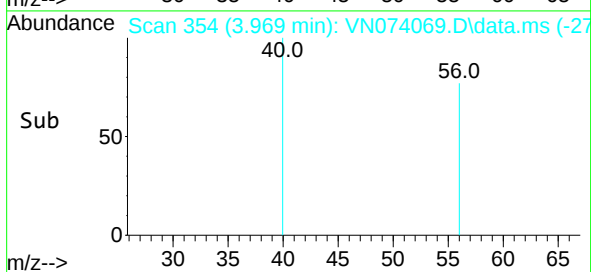
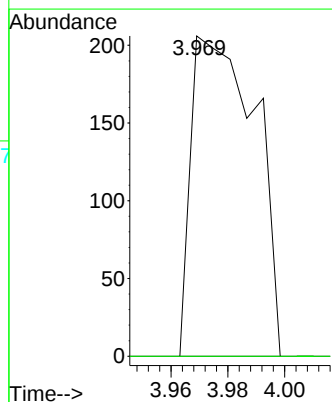
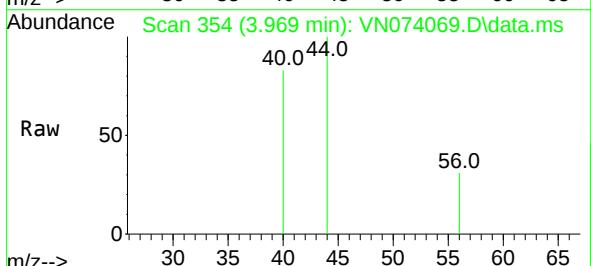
Instrument :
MSVOA_N
ClientSampleId :
U-2

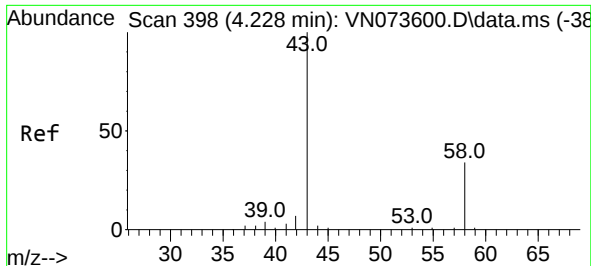
Tgt Ion: 43 Resp: 3472
Ion Ratio Lower Upper
43 100
74 3.5 20.8 31.2#



#13
Acrolein
Concen: 0.225 ug/l
RT: 3.969 min Scan# 354
Delta R.T. -0.012 min
Lab File: VN074069.D
Acq: 23 Aug 2022 15:36

Tgt Ion: 56 Resp: 322
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#





#15

Acetone

Concen: 0.443 ug/l

RT: 4.528 min Scan# 449

Delta R.T. 0.300 min

Lab File: VN074069.D

Acq: 23 Aug 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

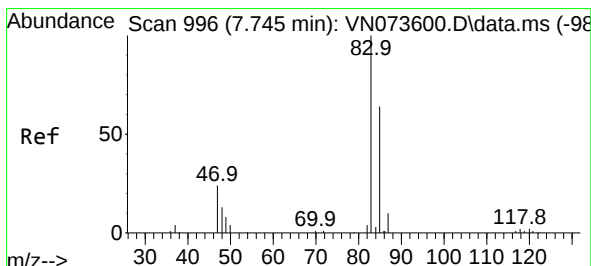
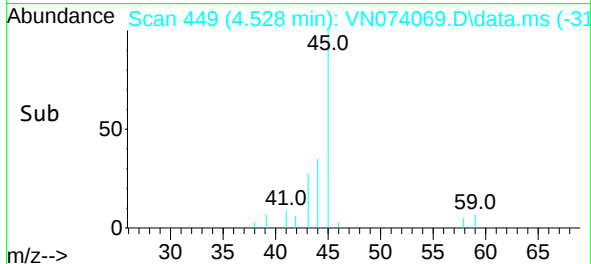
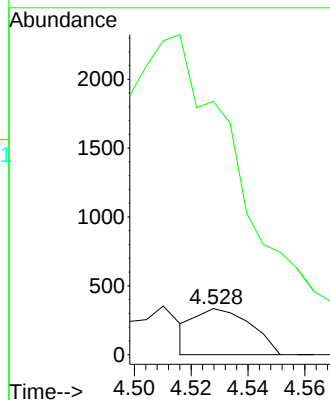
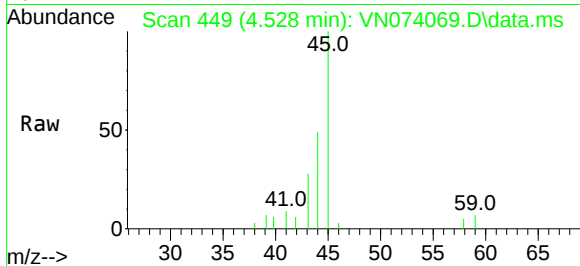
U-2

Tgt Ion: 58 Resp: 462

Ion Ratio Lower Upper

58 100

43 328.1 256.6 384.8



#25

Chloroform

Concen: 27.087 ug/l

RT: 7.745 min Scan# 996

Delta R.T. -0.000 min

Lab File: VN074069.D

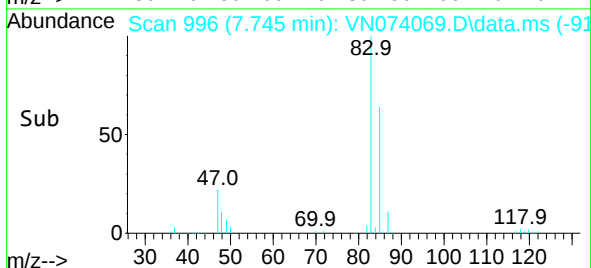
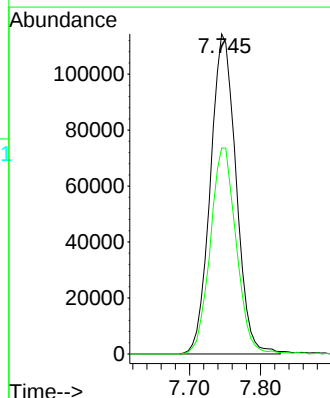
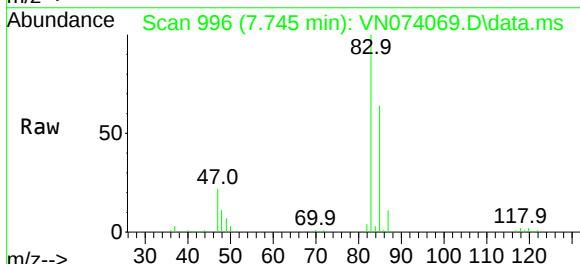
Acq: 23 Aug 2022 15:36

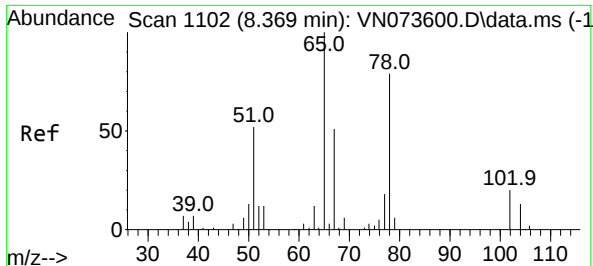
Tgt Ion: 83 Resp: 286338

Ion Ratio Lower Upper

83 100

85 64.4 51.3 76.9

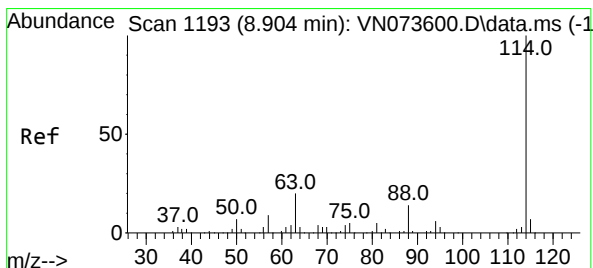
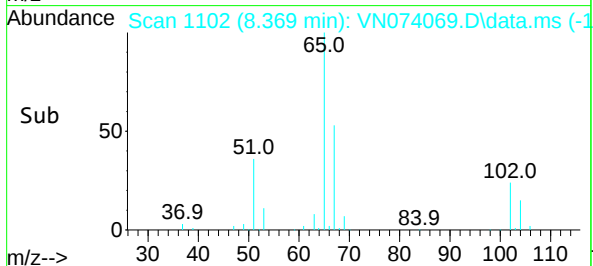
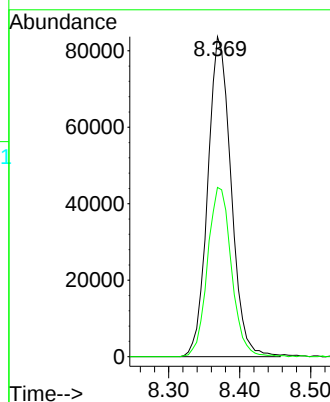
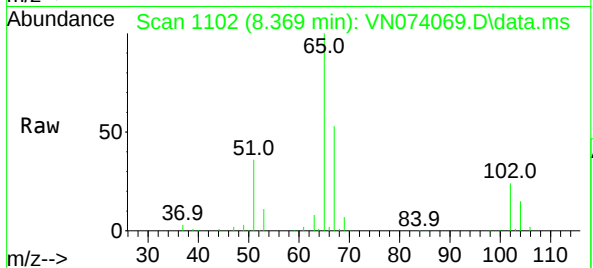




#27
1,2-Dichloroethane-d4
Concen: 28.898 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074069.D
Acq: 23 Aug 2022 15:36

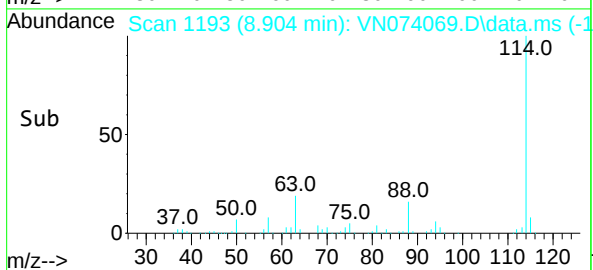
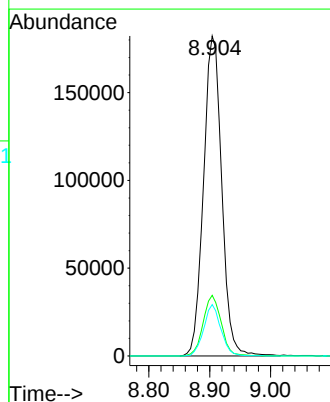
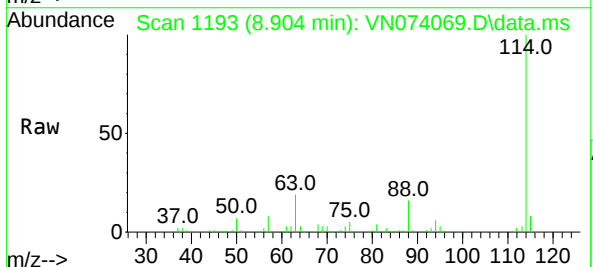
Instrument :
MSVOA_N
ClientSampleId :
U-2

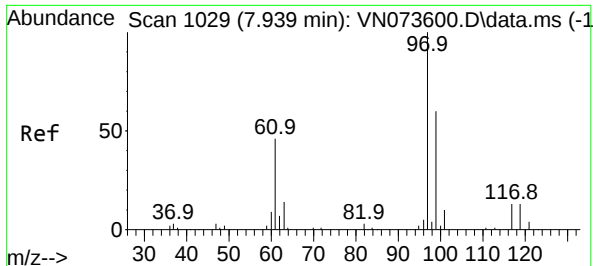
Tgt Ion: 65 Resp: 190890
Ion Ratio Lower Upper
65 100
67 54.2 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074069.D
Acq: 23 Aug 2022 15:36

Tgt Ion: 114 Resp: 379067
Ion Ratio Lower Upper
114 100
63 18.7 15.8 23.6
88 15.1 11.6 17.4





#32

1,1,1-Trichloroethane

Concen: 0.261 ug/l

RT: 7.945 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN074069.D

Acq: 23 Aug 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

U-2

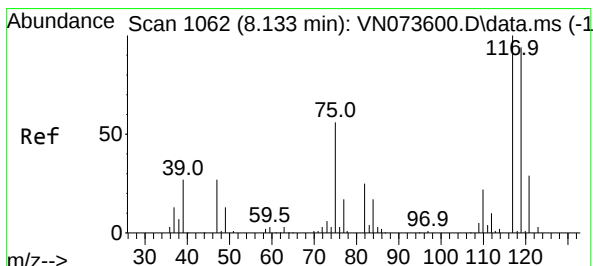
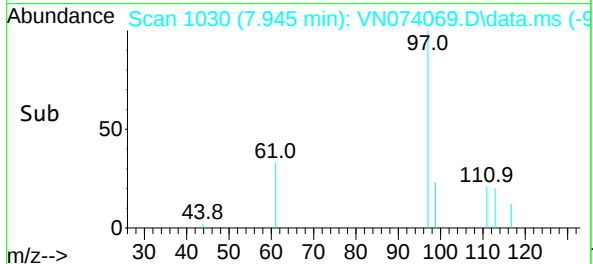
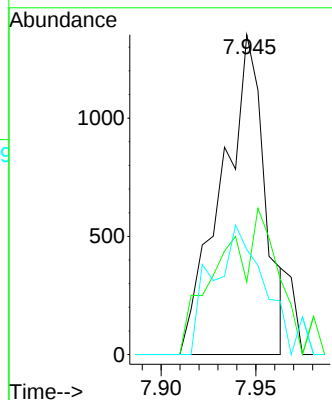
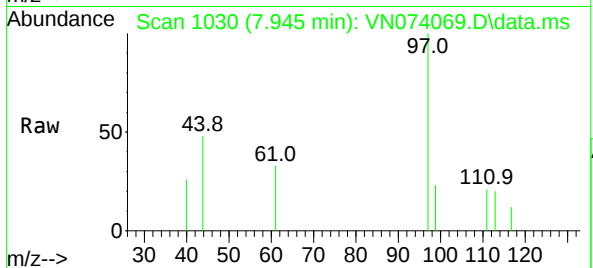
Tgt Ion: 97 Resp: 2142

Ion Ratio Lower Upper

97 100

99 27.1 50.4 75.6#

61 0.0 34.6 51.8#



#33

Carbon Tetrachloride

Concen: 0.498 ug/l

RT: 7.745 min Scan# 996

Delta R.T. -0.388 min

Lab File: VN074069.D

Acq: 23 Aug 2022 15:36

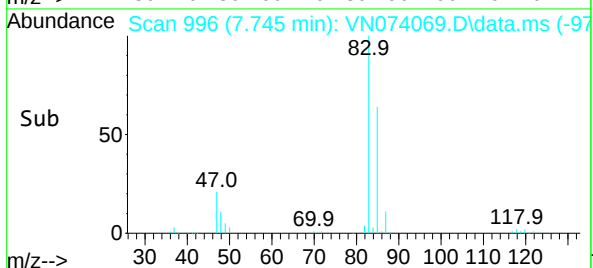
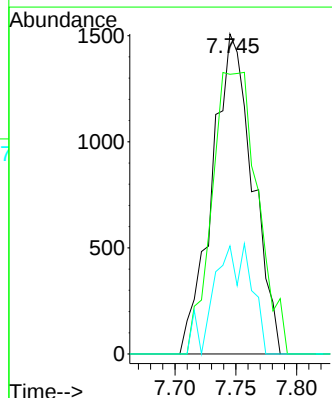
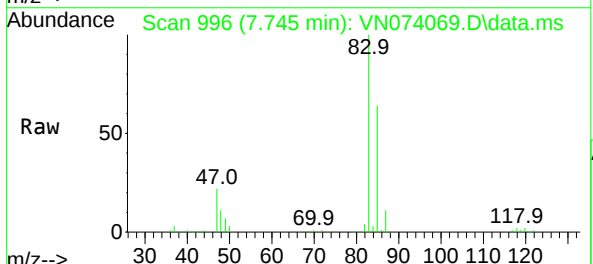
Tgt Ion: 117 Resp: 3499

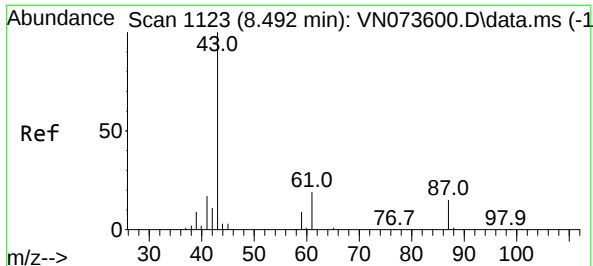
Ion Ratio Lower Upper

117 100

119 87.4 77.5 116.3

121 33.8 23.5 35.3





#44

Isopropyl Acetate

Concen: 0.313 ug/l

RT: 8.586 min Scan# 1123

Delta R.T. 0.094 min

Lab File: VN074069.D

Acq: 23 Aug 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

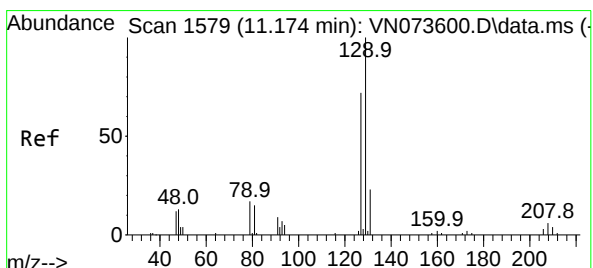
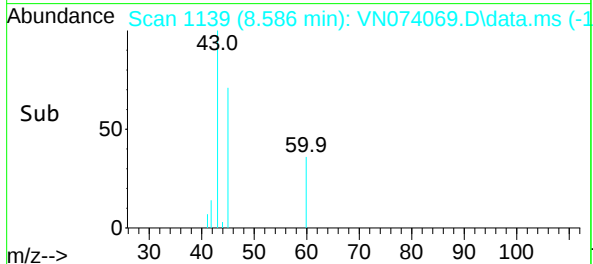
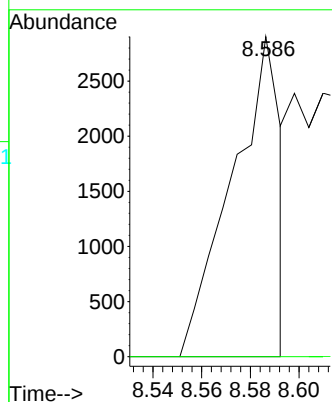
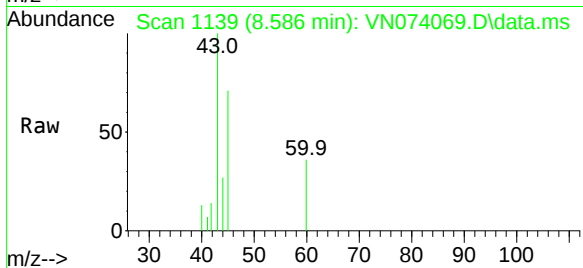
U-2

Tgt Ion: 43 Resp: 4042

Ion Ratio Lower Upper

43 100

61 88.2 20.1 30.1#



#53

Dibromochloromethane

Concen: 0.689 ug/l

RT: 10.916 min Scan# 1535

Delta R.T. -0.259 min

Lab File: VN074069.D

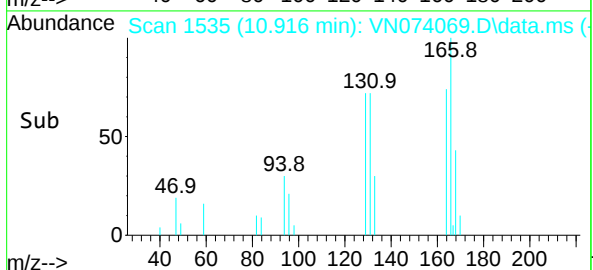
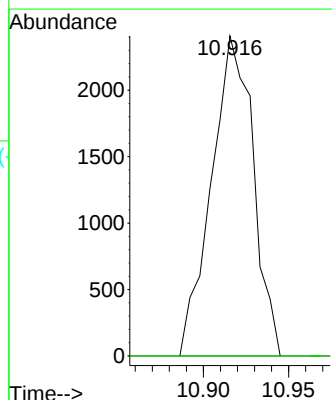
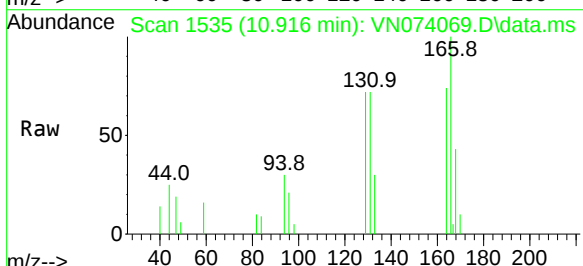
Acq: 23 Aug 2022 15:36

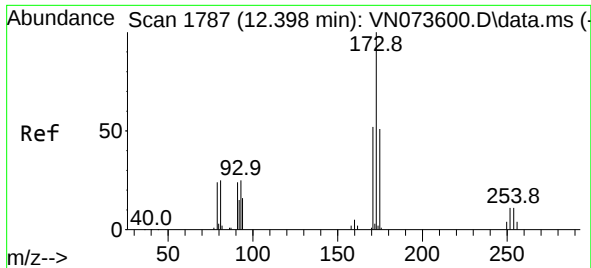
Tgt Ion: 129 Resp: 4108

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#

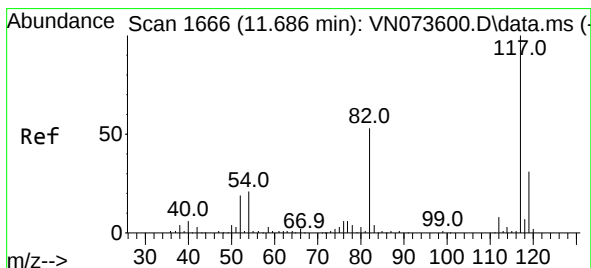
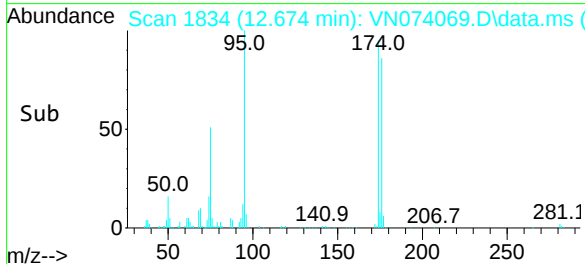
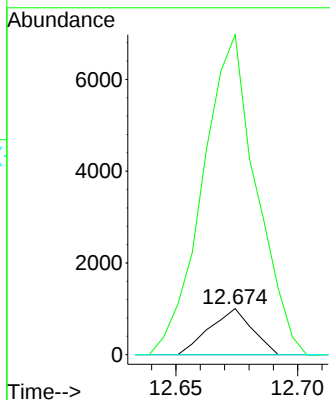
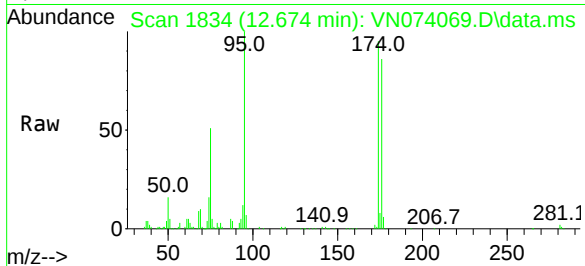




#56
Bromoform
Concen: 0.261 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.276 min
Lab File: VN074069.D
Acq: 23 Aug 2022 15:36

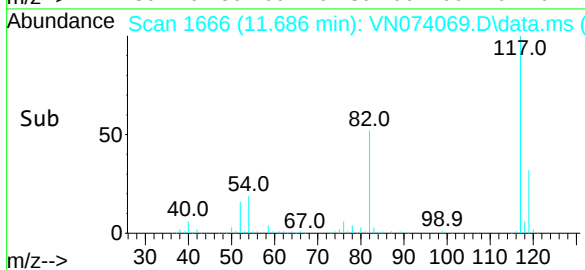
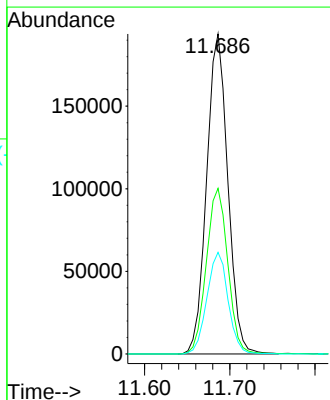
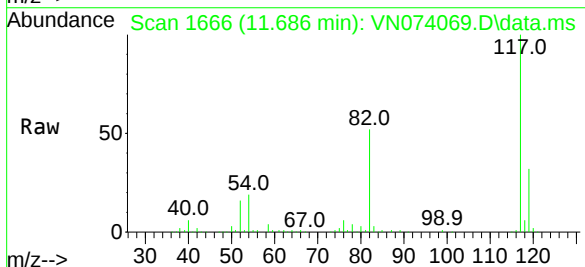
Instrument :
MSVOA_N
ClientSampleId :
U-2

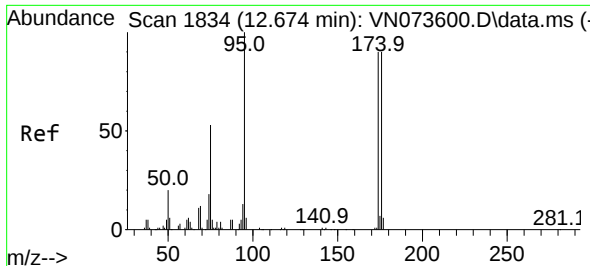
Tgt Ion:173 Resp: 1224
Ion Ratio Lower Upper
173 100
175 875.7 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN074069.D
Acq: 23 Aug 2022 15:36

Tgt Ion:117 Resp: 335402
Ion Ratio Lower Upper
117 100
82 52.5 43.6 65.4
119 31.7 25.8 38.6

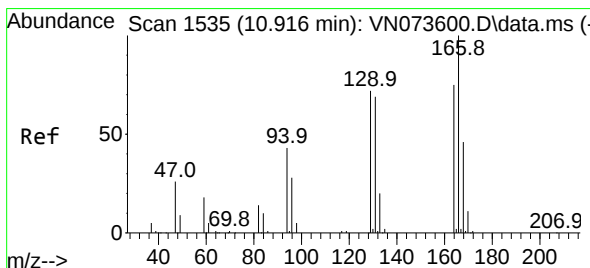
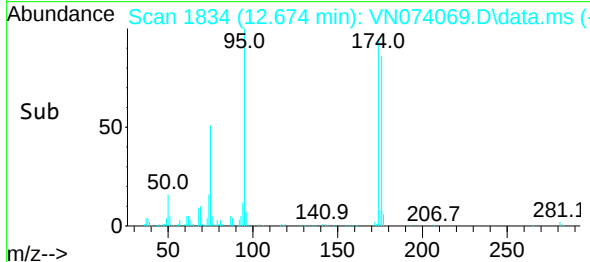
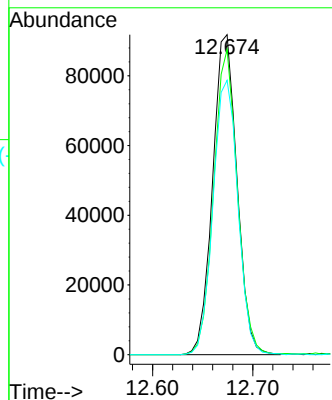
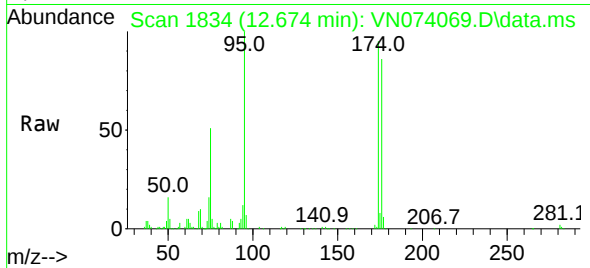




#60
4-Bromofluorobenzene
Concen: 26.148 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN074069.D
Acq: 23 Aug 2022 15:36

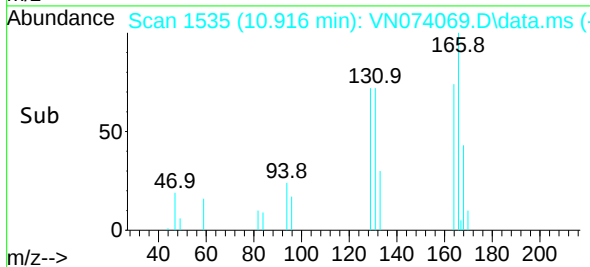
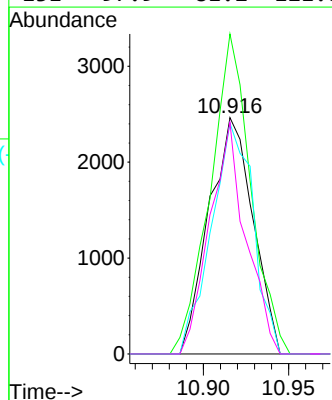
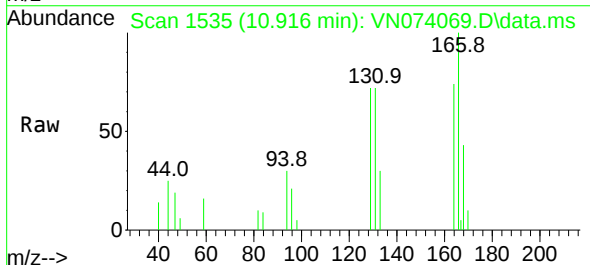
Instrument :
MSVOA_N
ClientSampleId :
U-2

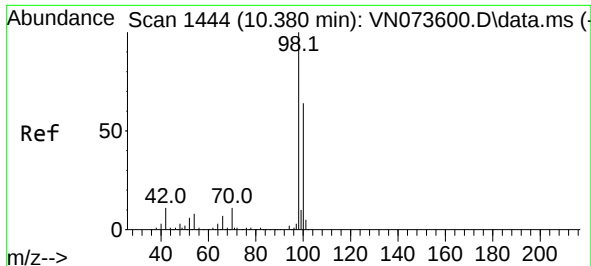
Tgt Ion: 95 Resp: 155285
Ion Ratio Lower Upper
95 100
174 92.4 62.9 94.3
176 87.3 61.0 91.4



#61
Tetrachloroethene
Concen: 0.859 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.000 min
Lab File: VN074069.D
Acq: 23 Aug 2022 15:36

Tgt Ion:164 Resp: 4412
Ion Ratio Lower Upper
164 100
166 128.4 105.8 158.8
129 97.7 82.5 123.7
131 97.9 81.2 121.8

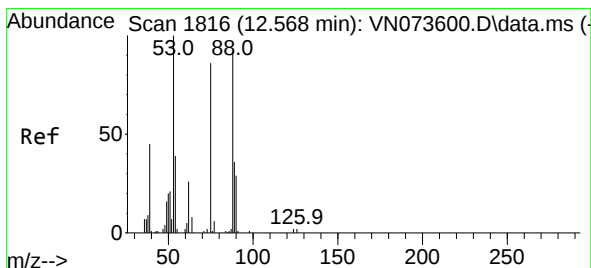
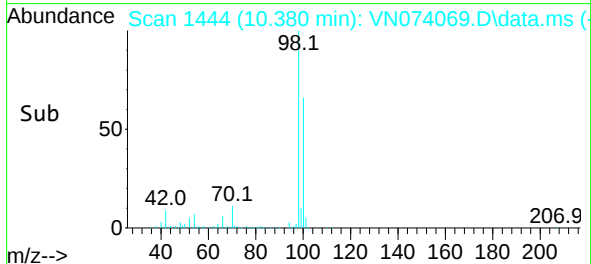
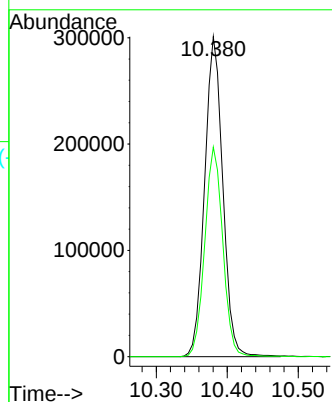
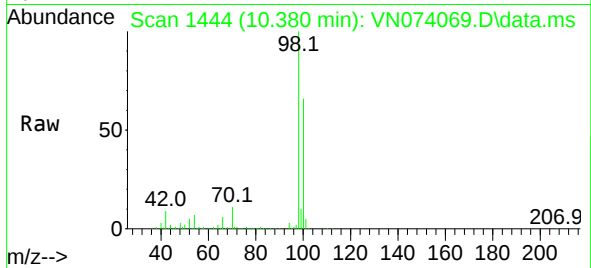




#63
Toluene-d8
Concen: 28.366 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074069.D
Acq: 23 Aug 2022 15:36

Instrument :
MSVOA_N
ClientSampleId :
U-2

Tgt Ion: 98 Resp: 535707
Ion Ratio Lower Upper
98 100
100 64.9 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 29.758 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074069.D
Acq: 23 Aug 2022 15:36

Tgt Ion: 75 Resp: 77077
Ion Ratio Lower Upper
75 100
53 0.4 51.8 155.5#
89 0.0 22.9 68.7#

