

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082322\
 Data File : VN074061.D
 Acq On : 23 Aug 2022 11:46
 Operator : JC\MD
 Sample : VN0823WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBL02

Quant Time: Aug 24 01:20:15 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)

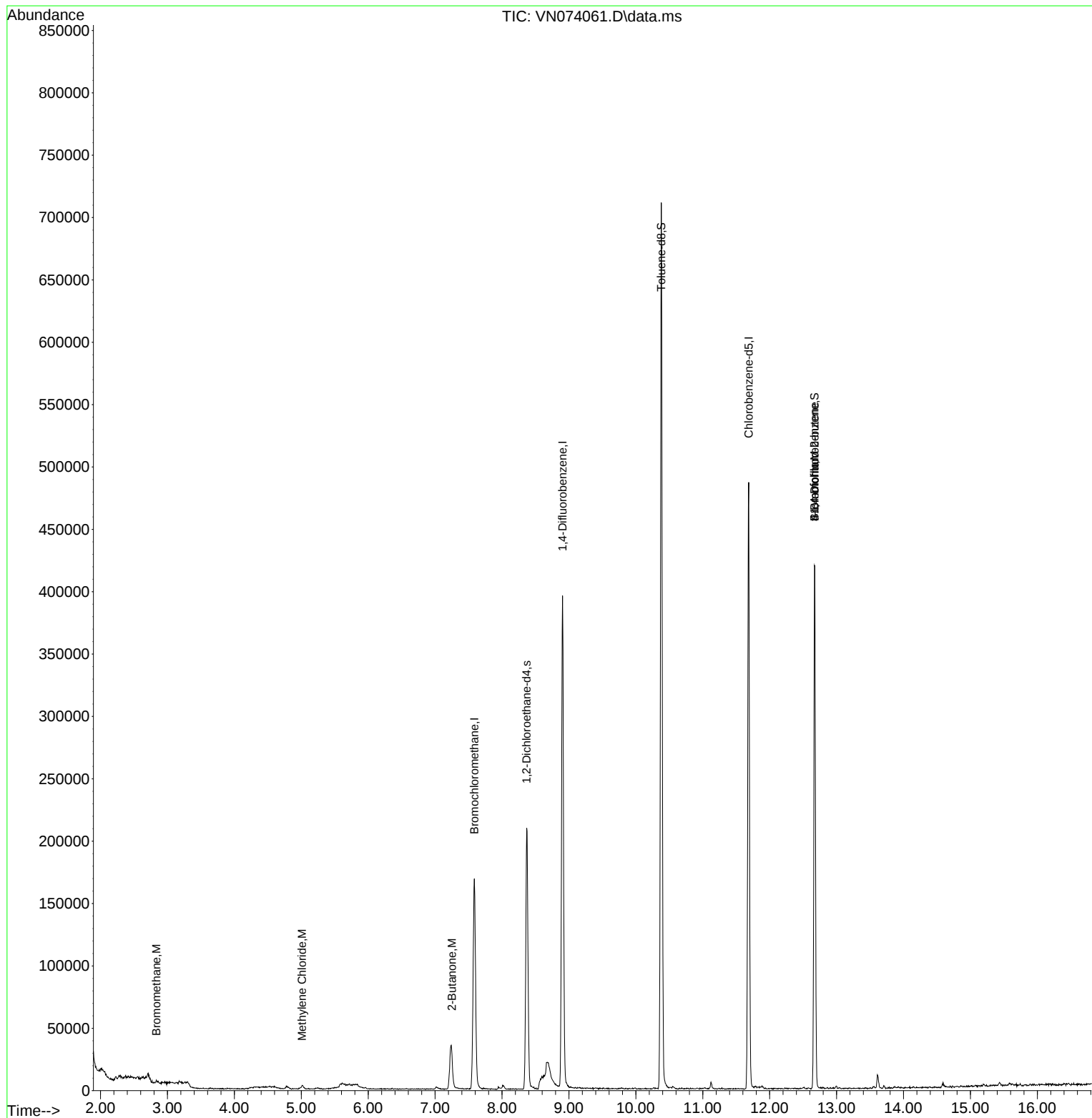
Internal Standards						
1) Bromochloromethane	7.587	128	68171	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	365932	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	304335	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	174930	29.678	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.933%
60) 4-Bromofluorobenzene	12.669	95	143857	26.696	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.000%
63) Toluene-d8	10.381	98	505832	29.518	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.400%
Target Compounds						
					Qvalue	
5) Bromomethane	2.834	94	974	0.255	ug/l	85
18) Methylene Chloride	5.010	84	1514	0.280	ug/l #	70
30) 2-Butanone	7.251	43	1759	0.372	ug/l #	66
56) Bromoform	12.669	173	1273	0.281	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.669	75	68895	29.315	ug/l #	8

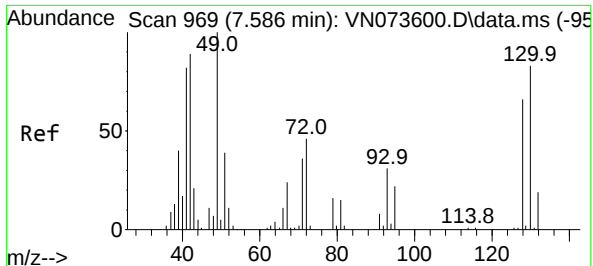
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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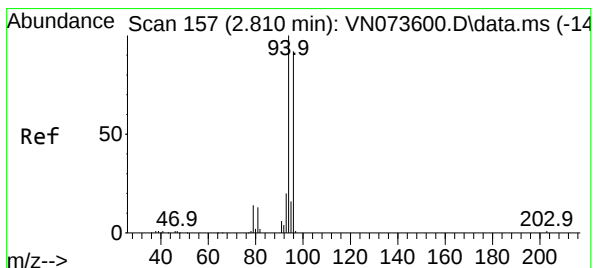
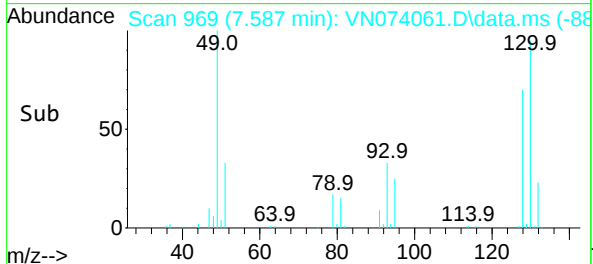
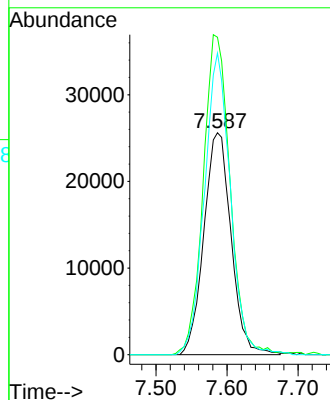
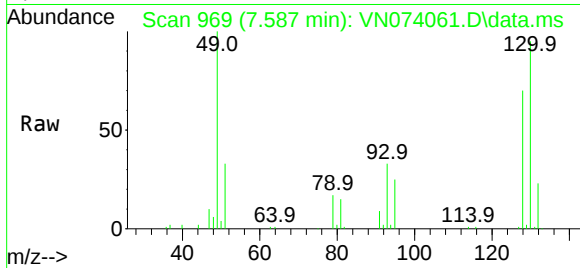




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.587 min Scan# 969
Delta R.T. 0.001 min
Lab File: VN074061.D
Acq: 23 Aug 2022 11:46

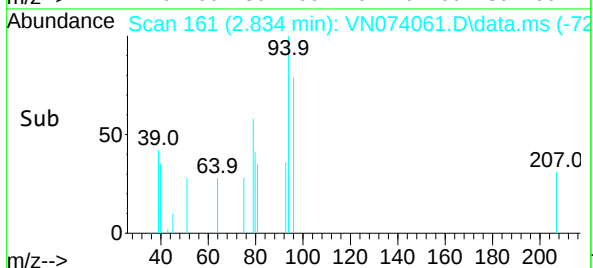
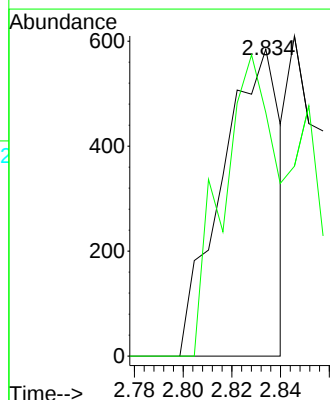
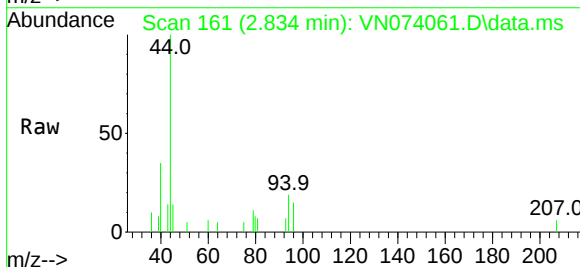
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL02

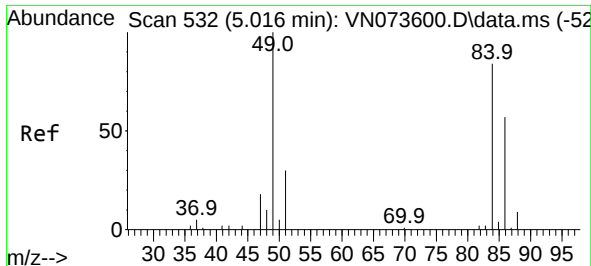
Tgt Ion:128 Resp: 68171
Ion Ratio Lower Upper
128 100
49 142.1 0.0 392.3
130 128.5 0.0 320.2



#5
Bromomethane
Concen: 0.255 ug/l
RT: 2.834 min Scan# 161
Delta R.T. 0.024 min
Lab File: VN074061.D
Acq: 23 Aug 2022 11:46

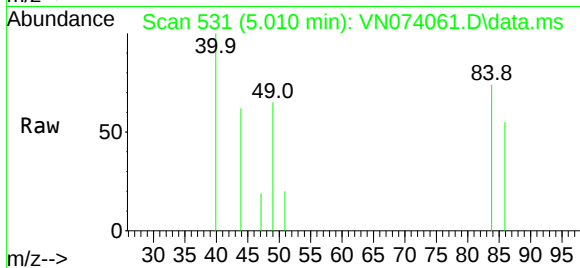
Tgt Ion: 94 Resp: 974
Ion Ratio Lower Upper
94 100
96 79.3 75.2 112.8



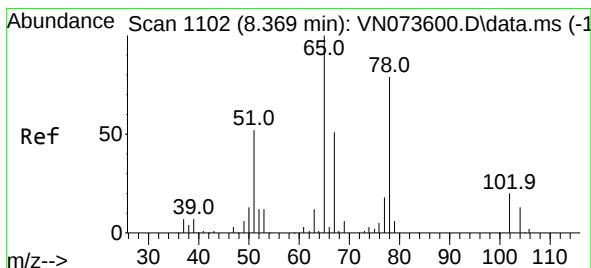
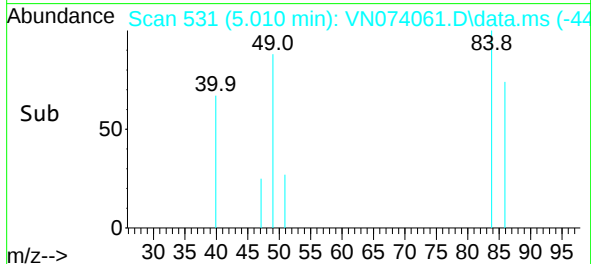
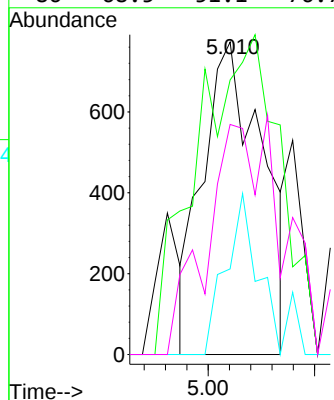


#18
Methylene Chloride
Concen: 0.280 ug/l
RT: 5.010 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN074061.D
Acq: 23 Aug 2022 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL02

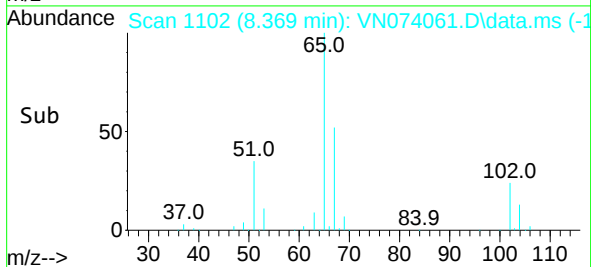
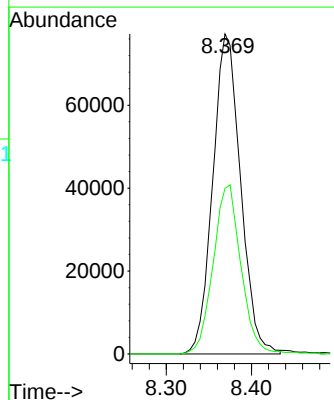
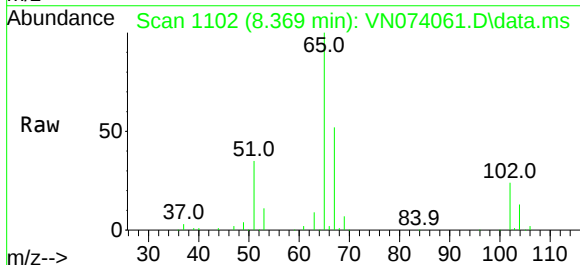


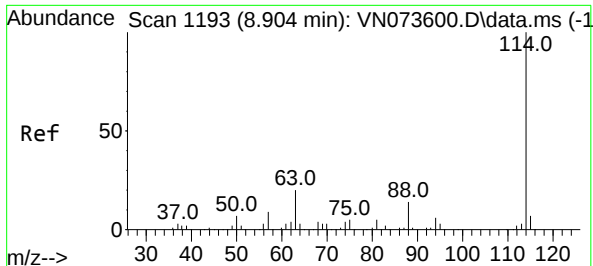
Tgt Ion: 84	Resp: 1514
Ion Ratio	Lower Upper
84 100	
49 58.6	91.4 137.0#
51 38.3	29.4 44.0
86 68.5	51.1 76.7



#27
1,2-Dichloroethane-d4
Concen: 29.678 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN074061.D
Acq: 23 Aug 2022 11:46

Tgt Ion: 65	Resp: 174930
Ion Ratio	Lower Upper
65 100	
67 52.6	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: VN074061.D

Acq: 23 Aug 2022 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBL02

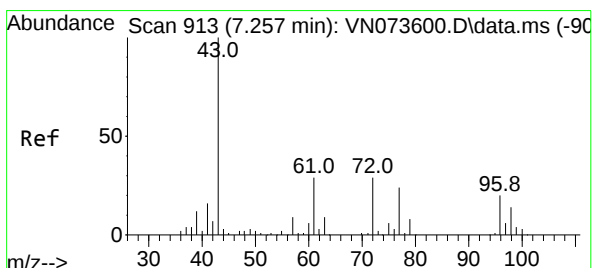
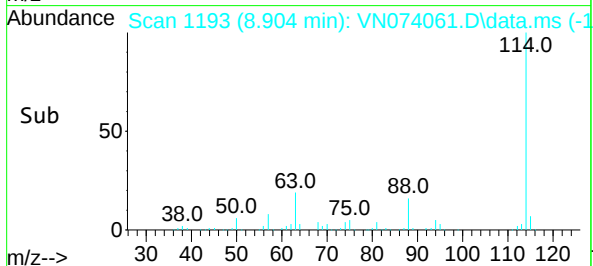
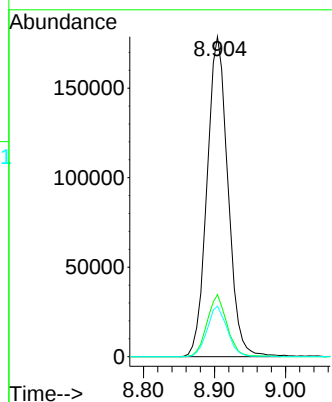
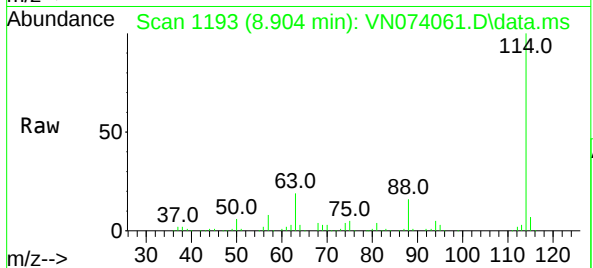
Tgt Ion:114 Resp: 365932

Ion Ratio Lower Upper

114 100

63 18.3 15.8 23.6

88 15.1 11.6 17.4



#30

2-Butanone

Concen: 0.372 ug/l

RT: 7.251 min Scan# 912

Delta R.T. -0.006 min

Lab File: VN074061.D

Acq: 23 Aug 2022 11:46

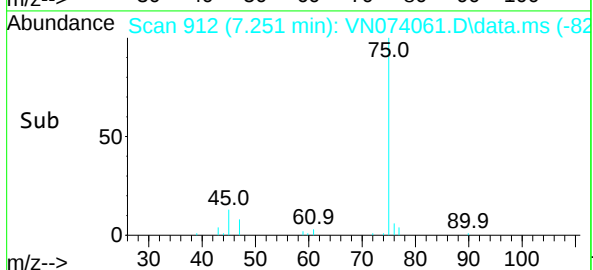
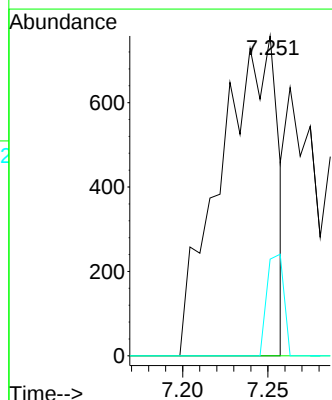
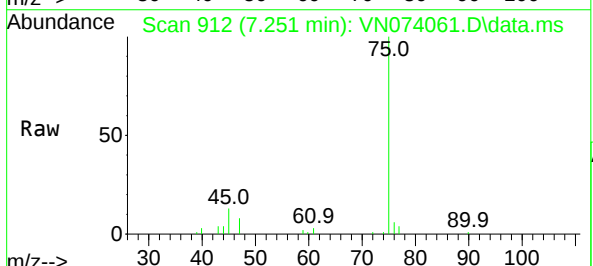
Tgt Ion: 43 Resp: 1759

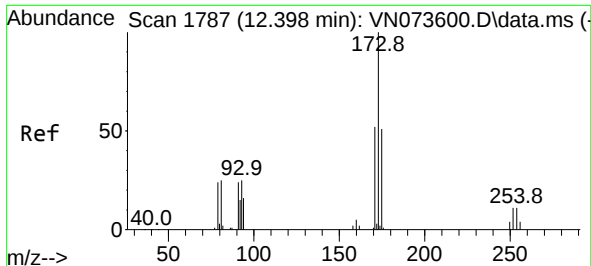
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 9.4 23.2 34.8#

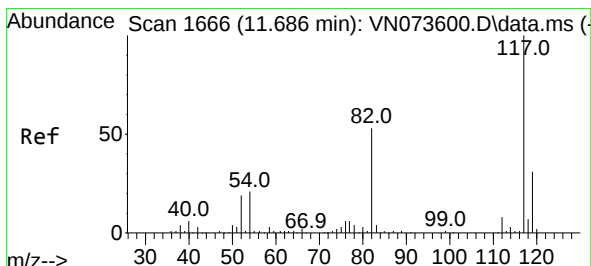
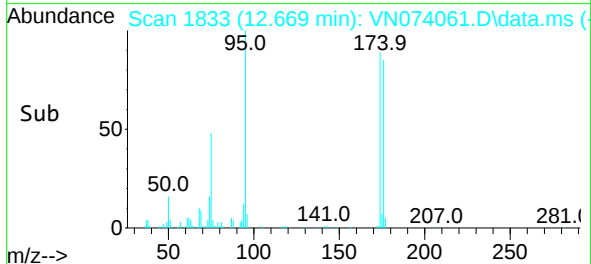
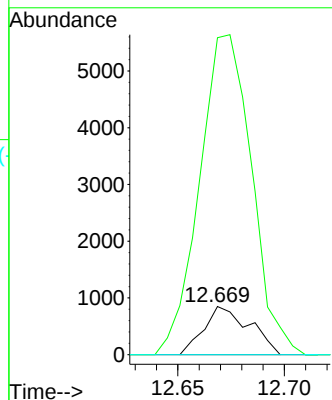
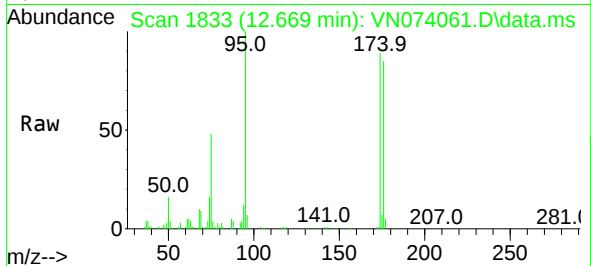




#56
Bromoform
Concen: 0.281 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074061.D
Acq: 23 Aug 2022 11:46

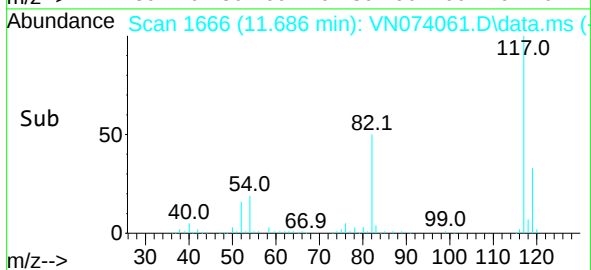
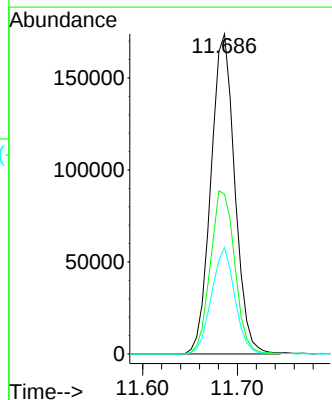
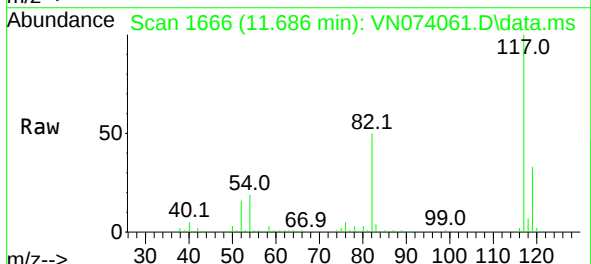
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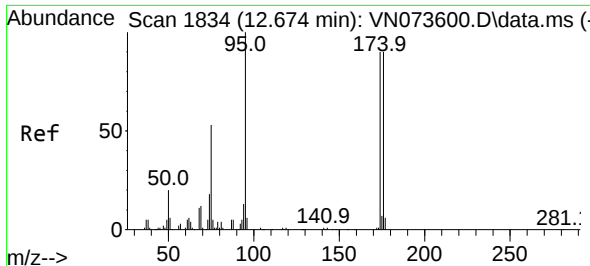
Tgt Ion:173 Resp: 1273
Ion Ratio Lower Upper
173 100
175 754.4 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074061.D
Acq: 23 Aug 2022 11:46

Tgt Ion:117 Resp: 304335
Ion Ratio Lower Upper
117 100
82 52.1 43.6 65.4
119 32.4 25.8 38.6

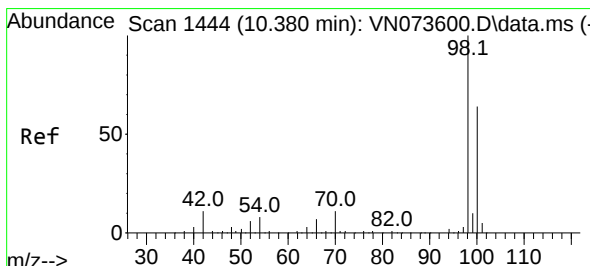
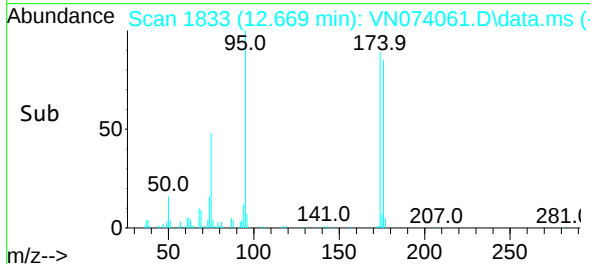
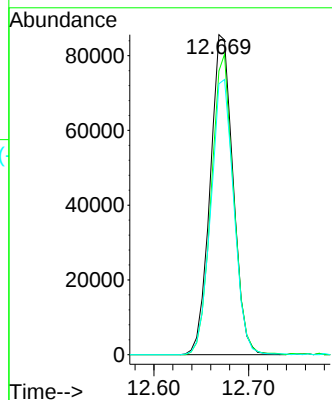
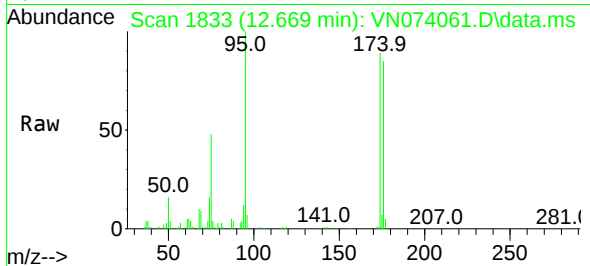




#60
4-Bromofluorobenzene
Concen: 26.696 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN074061.D
Acq: 23 Aug 2022 11:46

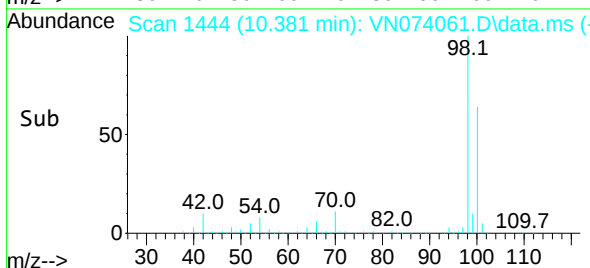
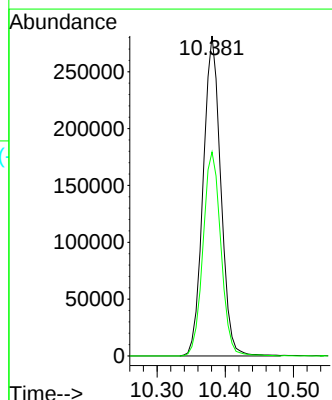
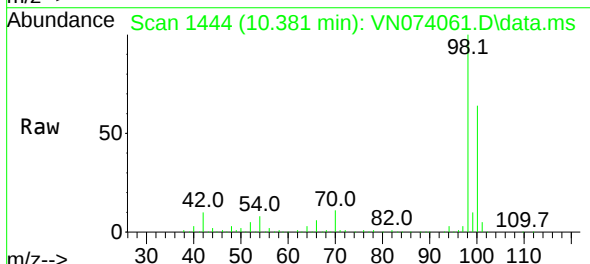
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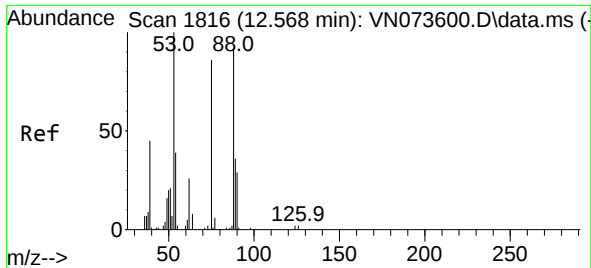
Tgt Ion: 95 Resp: 143857
Ion Ratio Lower Upper
95 100
174 90.6 62.9 94.3
176 86.1 61.0 91.4



#63
Toluene-d8
Concen: 29.518 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074061.D
Acq: 23 Aug 2022 11:46

Tgt Ion: 98 Resp: 505832
Ion Ratio Lower Upper
98 100
100 64.5 50.6 76.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 29.315 ug/l
 RT: 12.669 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VN074061.D
 Acq: 23 Aug 2022 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBL02

Tgt Ion: 75 Resp: 68895
 Ion Ratio Lower Upper
 75 100
 53 0.0 51.8 155.5#
 89 0.0 22.9 68.7#

