

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100821\
 Data File : VN068854.D
 Acq On : 8 Oct 2021 17:45
 Operator : JC/MD
 Sample : M4105-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(OCT)

Quant Time: Oct 11 04:54:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 29 08:56:32 2021
 Response via : Initial Calibration

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

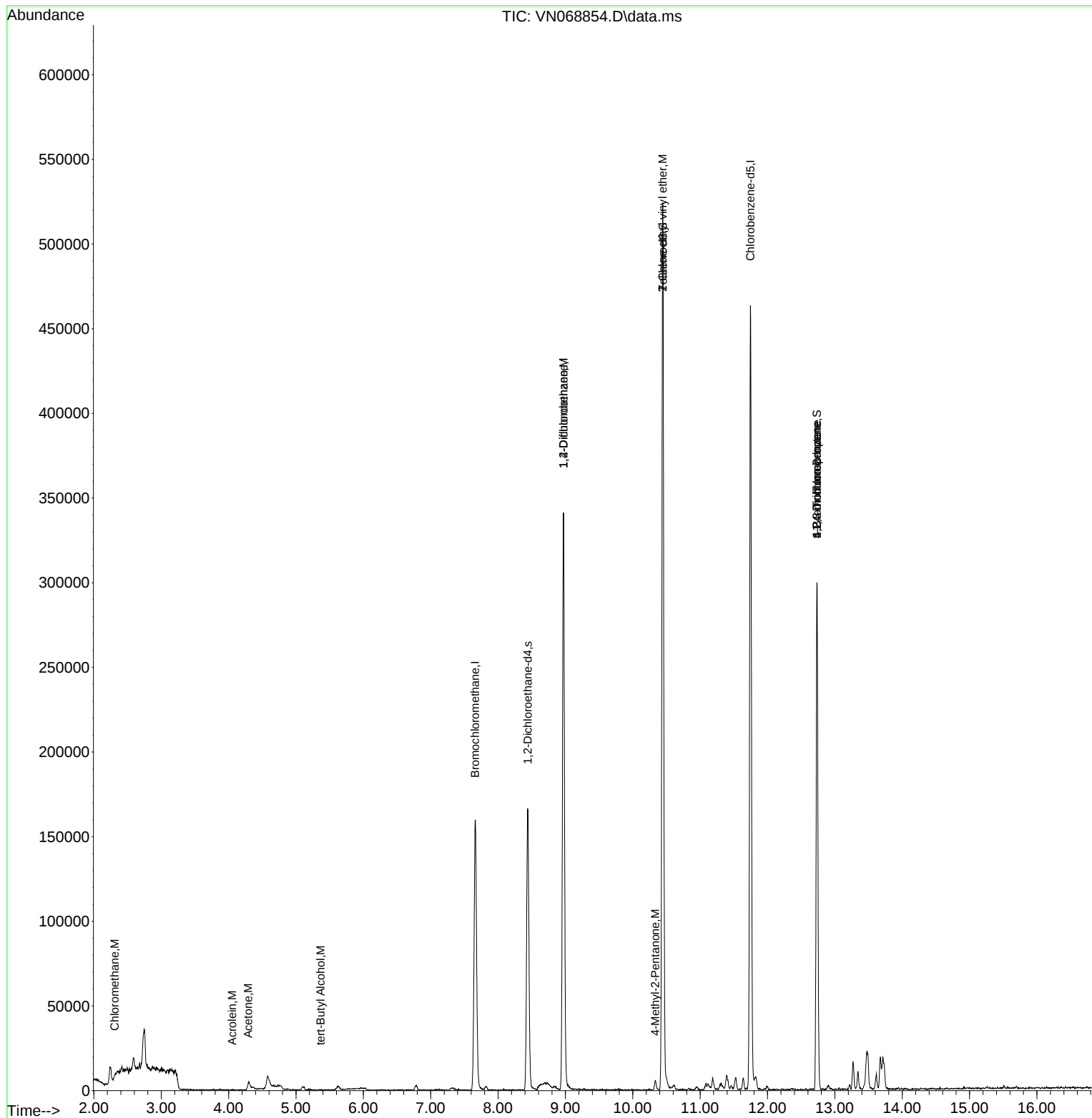
Internal Standards						
1) Bromochloromethane	7.659	128	55961	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	291669	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	265606	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	141020	32.693	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.967%
60) 4-Bromofluorobenzene	12.733	95	95177	22.938	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	76.467%
63) Toluene-d8	10.446	98	363108	30.245	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.833%
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	1343	0.423	ug/l #	81
13) Acrolein	4.052	56	89	0.445	ug/l #	14
15) Acetone	4.291	58	756	1.783	ug/l	97
23) tert-Butyl Alcohol	5.366	59	169	0.298	ug/l #	100
36) 1,2-Dichloroethane	8.971	62	12292	2.390	ug/l #	77
55) 2-Chloroethyl vinyl ether	10.443	63	318	0.203	ug/l #	1
58) 4-Methyl-2-Pentanone	10.336	43	3763	0.839	ug/l #	89
72) 1,2,3-Trichloropropane	12.733	75	57261	13.907	ug/l	1
77) t-1,4-Dichloro-2-butene	12.733	75	57261	35.654	ug/l #	9

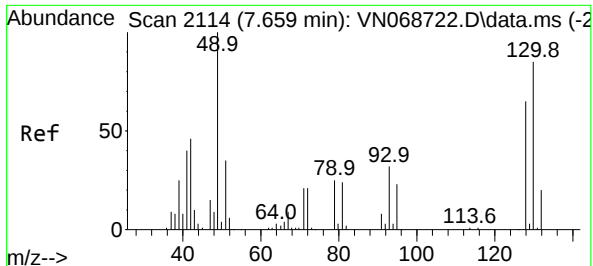
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
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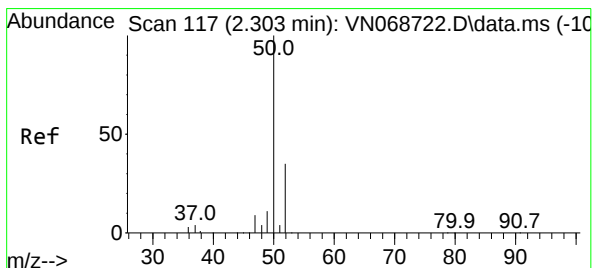
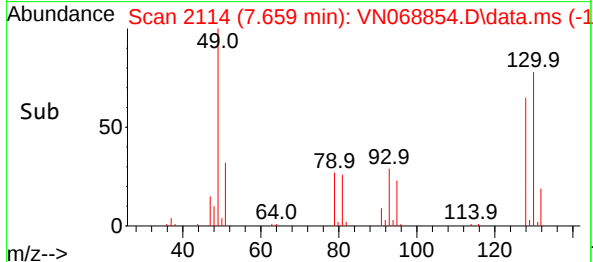
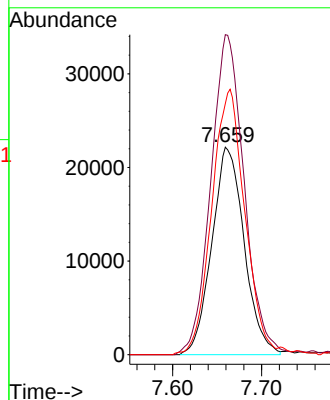
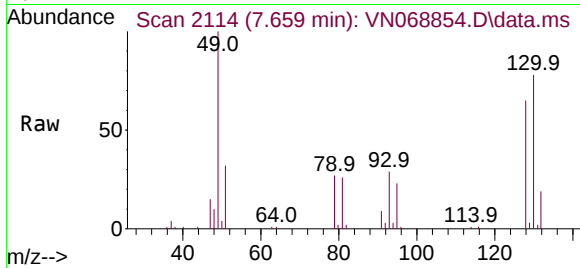




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN068854.D
Acq: 8 Oct 2021 17:45

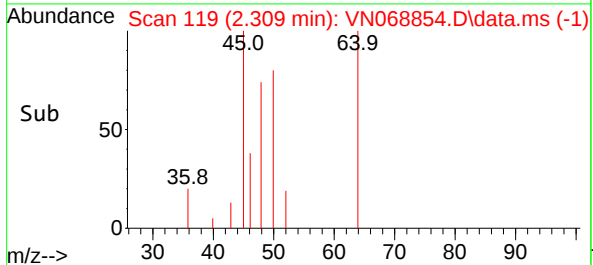
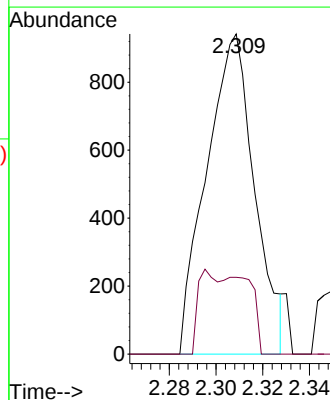
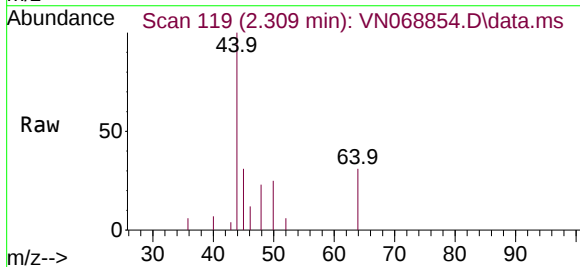
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MSVOA_N
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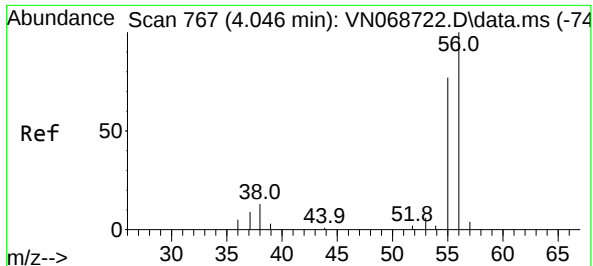
Tgt Ion:128 Resp: 55961
Ion Ratio Lower Upper
128 100
49 158.9 0.0 392.3
130 130.6 0.0 320.2



#3
Chloromethane
Concen: 0.423 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN068854.D
Acq: 8 Oct 2021 17:45

Tgt Ion: 50 Resp: 1343
Ion Ratio Lower Upper
50 100
52 24.0 27.8 41.6#

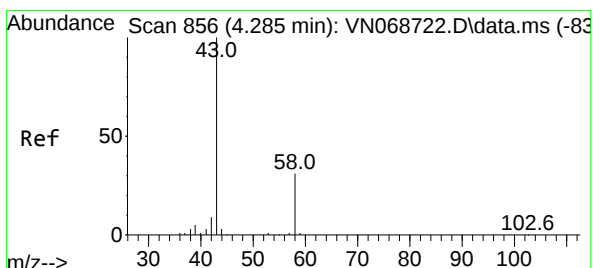
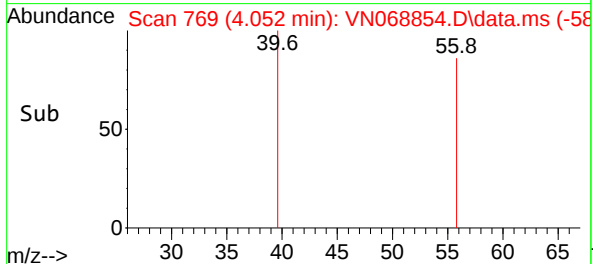
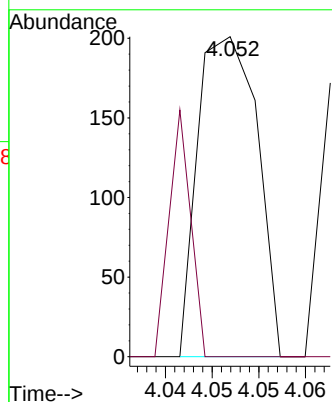
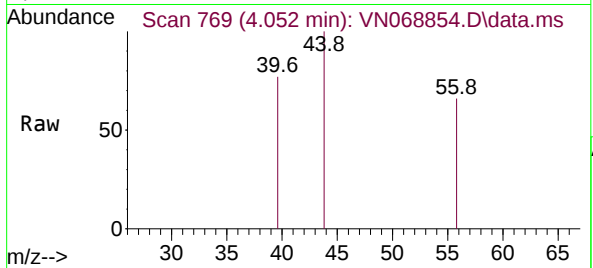




#13
Acrolein
Concen: 0.445 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.006 min
Lab File: VN068854.D
Acq: 8 Oct 2021 17:45

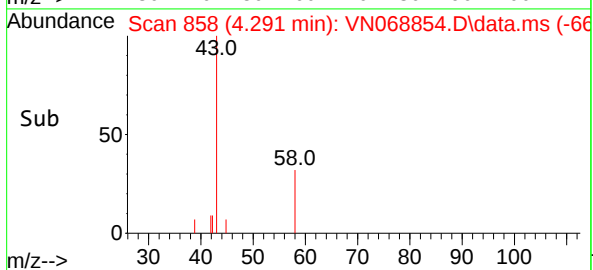
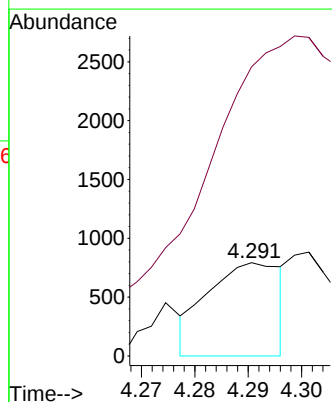
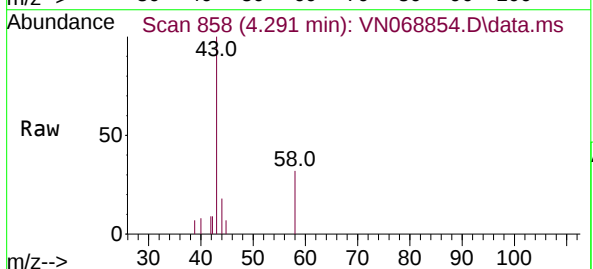
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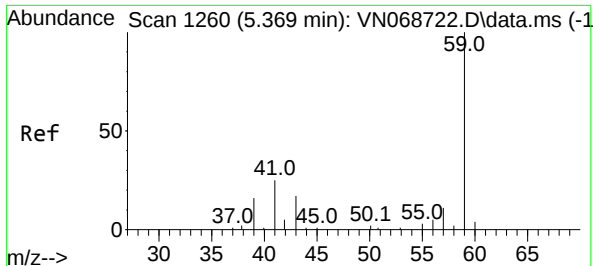
Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#15
Acetone
Concen: 1.783 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN068854.D
Acq: 8 Oct 2021 17:45

Tgt Ion: 58 Resp: 756
Ion Ratio Lower Upper
58 100
43 314.2 256.6 384.8





#23

tert-Butyl Alcohol

Concen: 0.298 ug/l

RT: 5.366 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VN068854.D

Acq: 8 Oct 2021 17:45

Tgt Ion: 59 Resp: 169

Ion Ratio Lower Upper

59 100

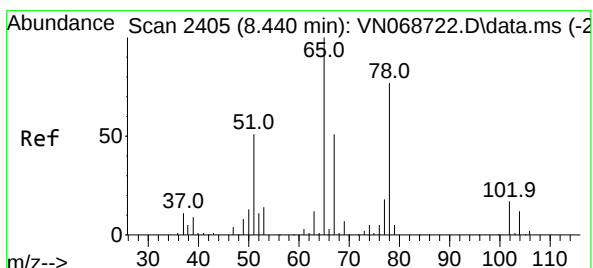
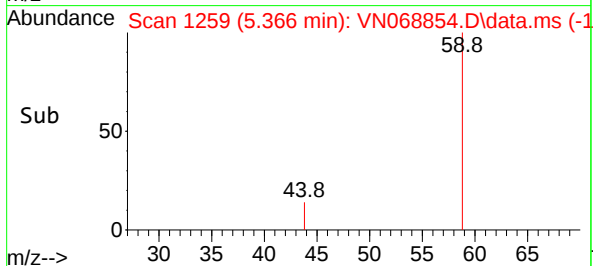
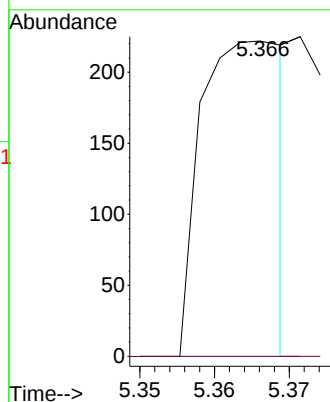
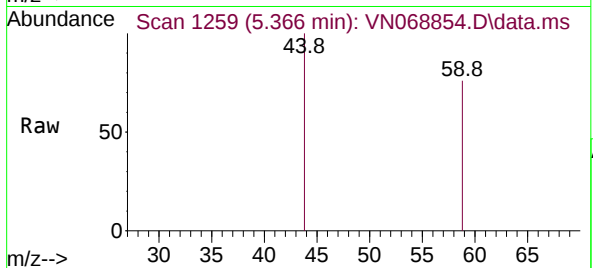
52 0.0 0.0 0.0

Instrument :

MSVOA_N

ClientSampleId :

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#27

1,2-Dichloroethane-d4

Concen: 32.693 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN068854.D

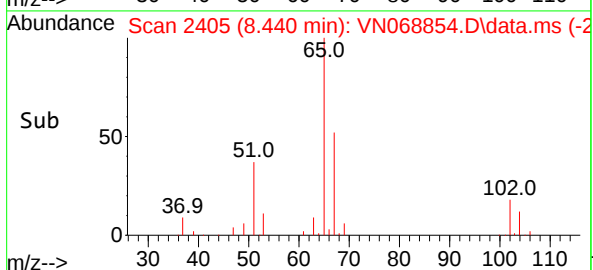
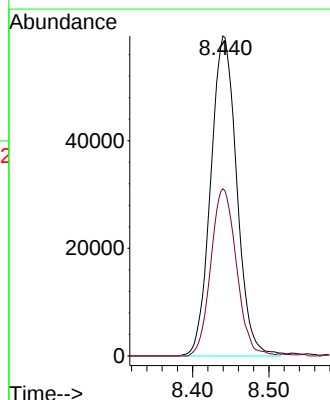
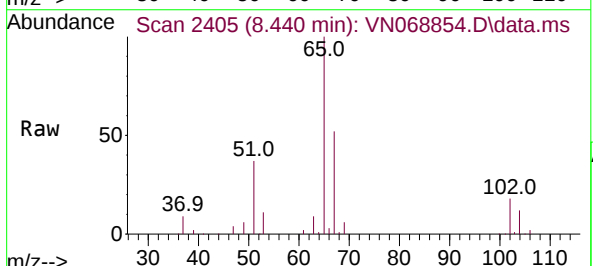
Acq: 8 Oct 2021 17:45

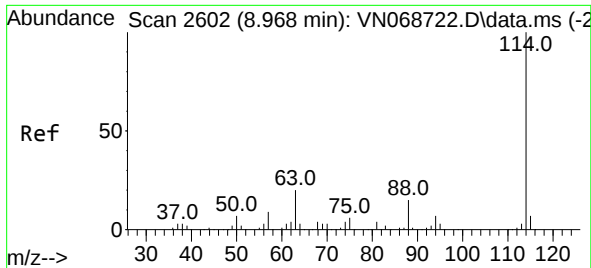
Tgt Ion: 65 Resp: 141020

Ion Ratio Lower Upper

65 100

67 51.3 40.2 60.2

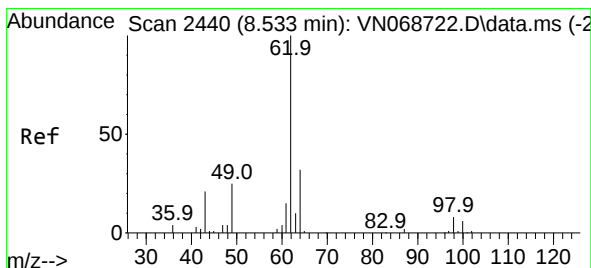
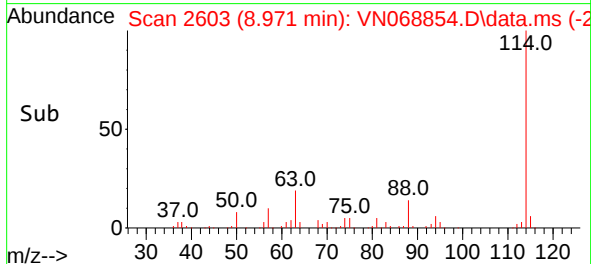
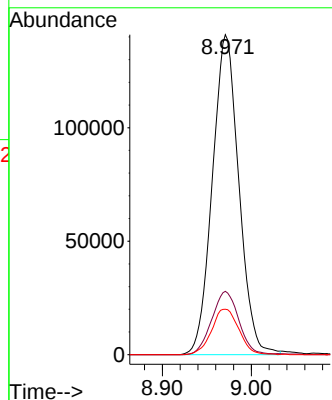
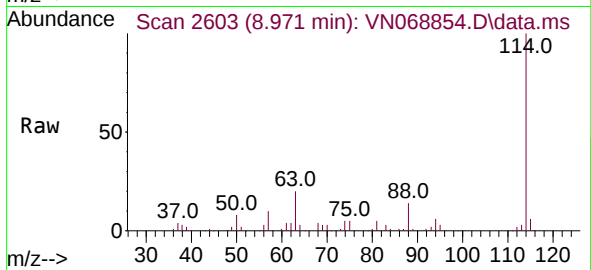




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068854.D
Acq: 8 Oct 2021 17:45

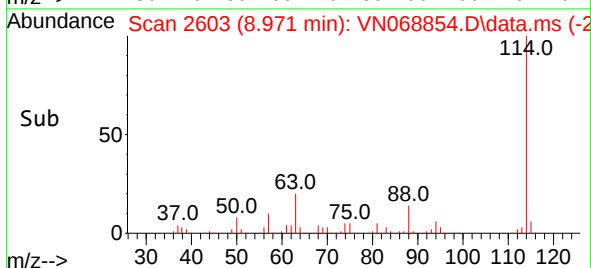
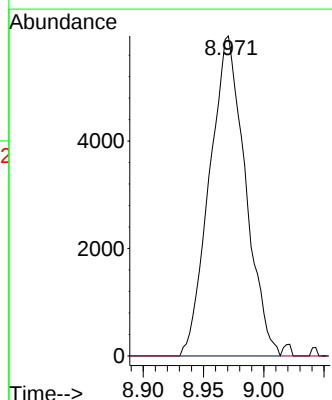
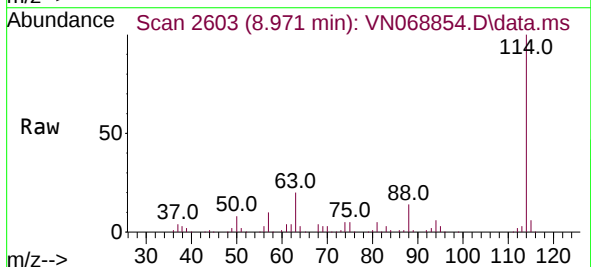
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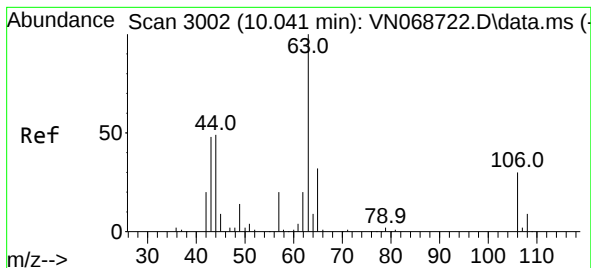
Tgt Ion:114 Resp: 291669
Ion Ratio Lower Upper
114 100
63 20.3 15.8 23.6
88 14.6 11.6 17.4



#36
1,2-Dichloroethane
Concen: 2.390 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.438 min
Lab File: VN068854.D
Acq: 8 Oct 2021 17:45

Tgt Ion: 62 Resp: 12292
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

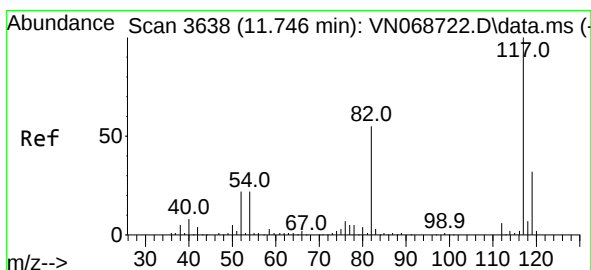
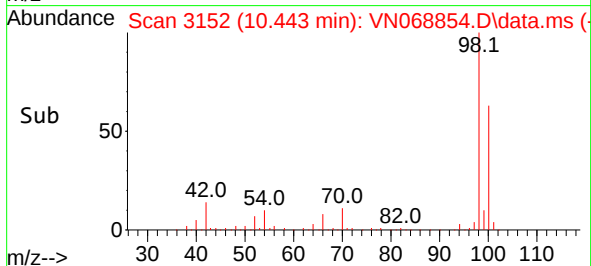
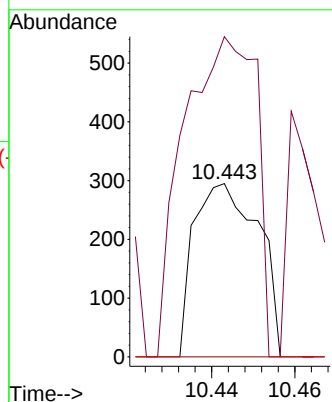
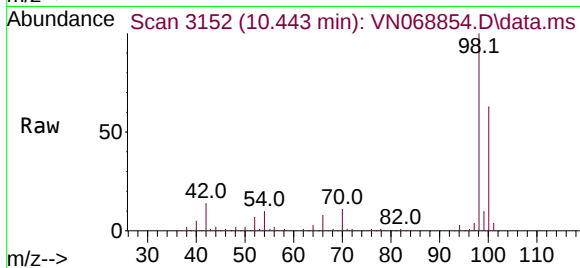




#55
2-Chloroethyl vinyl ether
Concen: 0.203 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.402 min
Lab File: VN068854.D
Acq: 8 Oct 2021 17:45

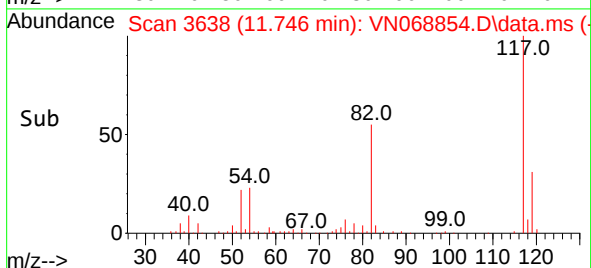
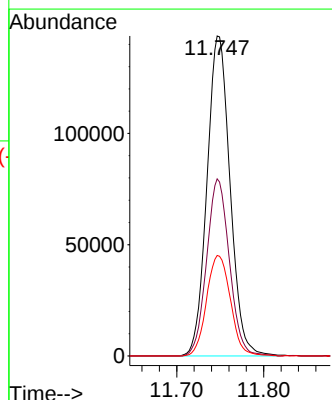
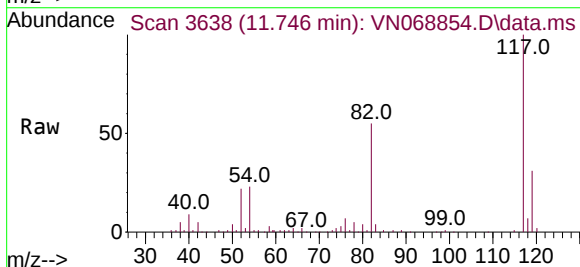
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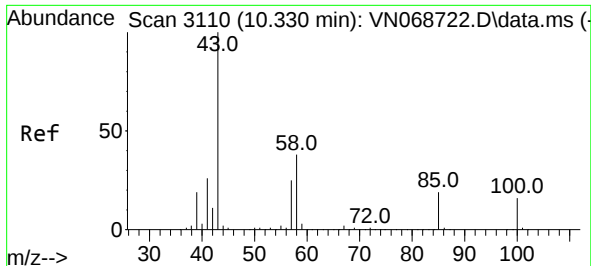
Tgt Ion: 63 Resp: 318
Ion Ratio Lower Upper
63 100
65 182.4 25.4 38.0#
106 0.0 23.2 34.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068854.D
Acq: 8 Oct 2021 17:45

Tgt Ion: 117 Resp: 265606
Ion Ratio Lower Upper
117 100
82 54.7 43.6 65.4
119 32.3 25.8 38.6

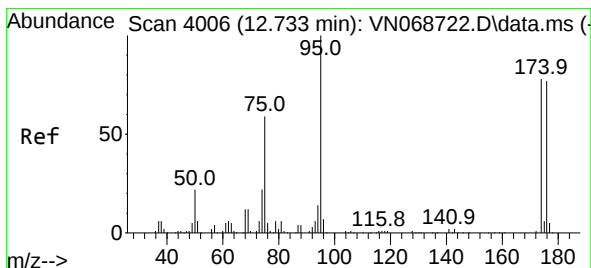
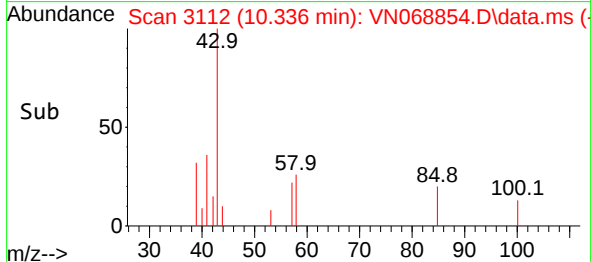
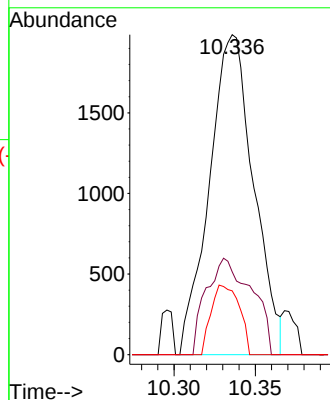
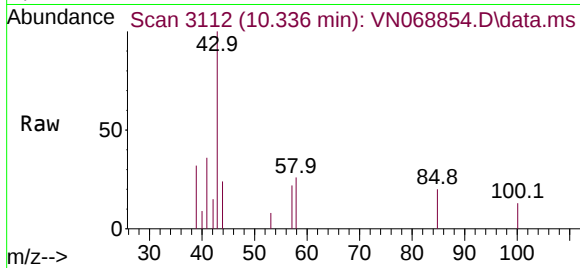




#58
4-Methyl-2-Pentanone
Concen: 0.839 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.006 min
Lab File: VN068854.D
Acq: 8 Oct 2021 17:45

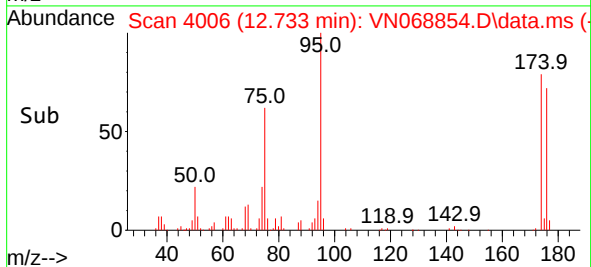
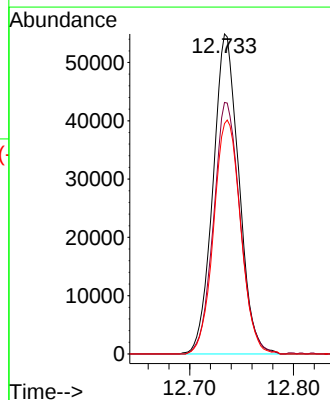
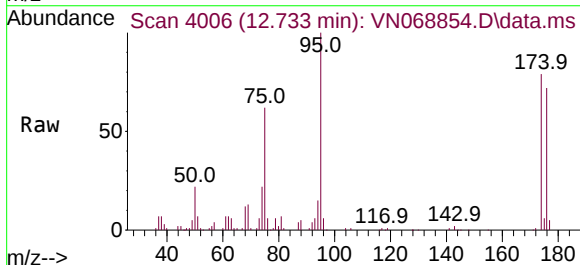
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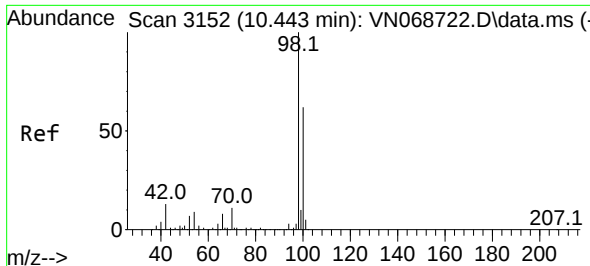
Tgt Ion: 43 Resp: 3763
Ion Ratio Lower Upper
43 100
58 30.8 30.0 45.0
85 13.8 15.0 22.6#



#60
4-Bromofluorobenzene
Concen: 22.938 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068854.D
Acq: 8 Oct 2021 17:45

Tgt Ion: 95 Resp: 95177
Ion Ratio Lower Upper
95 100
174 80.5 62.9 94.3
176 75.8 61.0 91.4

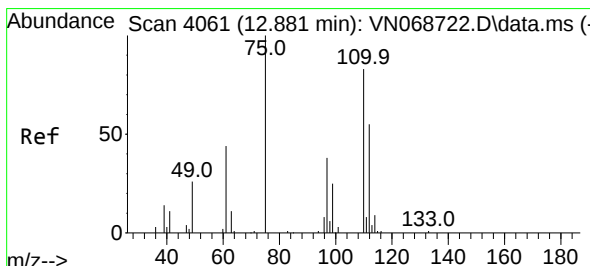
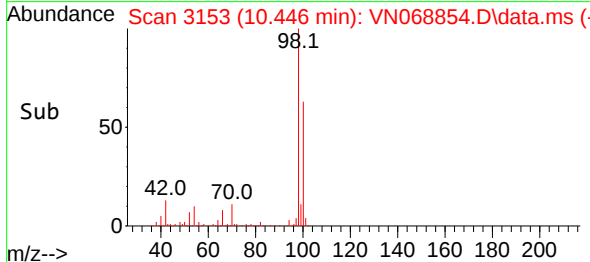
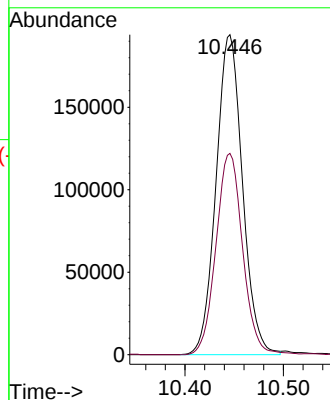
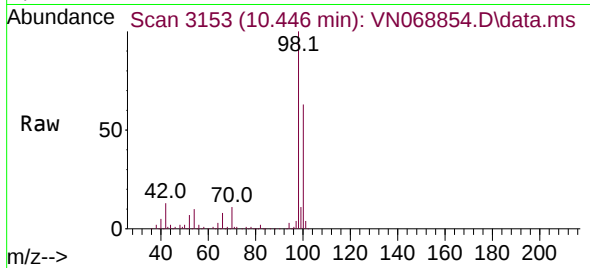




#63
Toluene-d8
Concen: 30.245 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068854.D
Acq: 8 Oct 2021 17:45

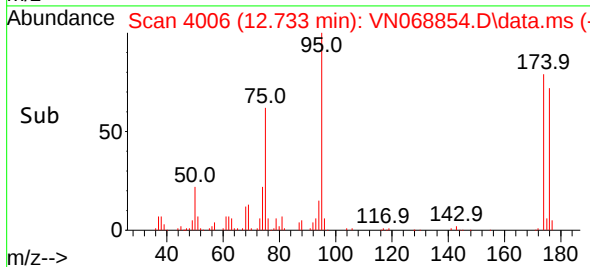
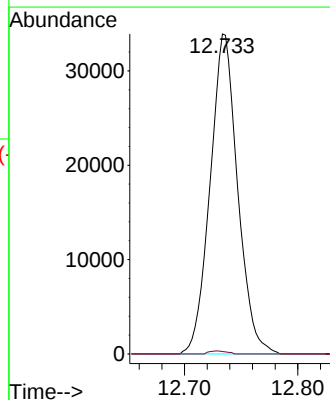
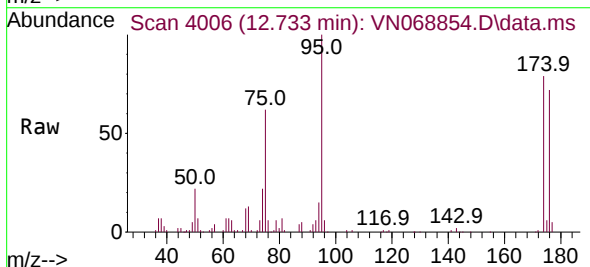
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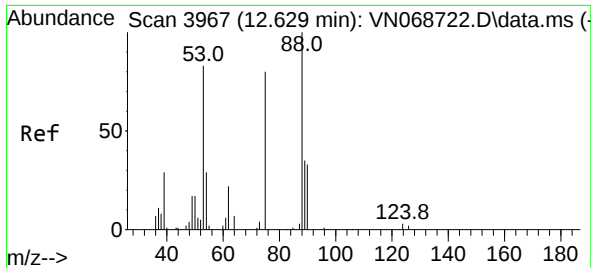
Tgt Ion: 98 Resp: 363108
Ion Ratio Lower Upper
98 100
100 63.4 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 13.907 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068854.D
Acq: 8 Oct 2021 17:45

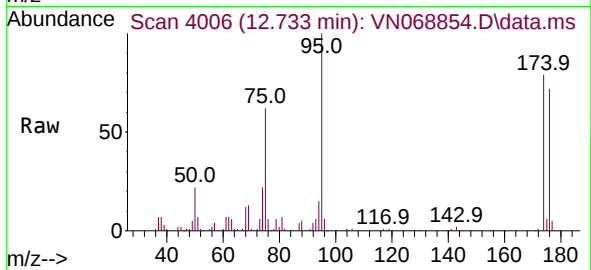
Tgt Ion: 75 Resp: 57261
Ion Ratio Lower Upper
75 100
77 0.6 0.0 378.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 35.654 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.104 min
 Lab File: VN068854.D
 Acq: 8 Oct 2021 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(OCT)



Tgt Ion: 75 Resp: 57261
 Ion Ratio Lower Upper
 75 100
 53 0.6 51.8 155.5#
 89 0.0 22.9 68.7#

