

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080822\
 Data File : VN073772.D
 Acq On : 08 Aug 2022 16:01
 Operator : JC\MD
 Sample : N4041-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 09 00:28:01 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)

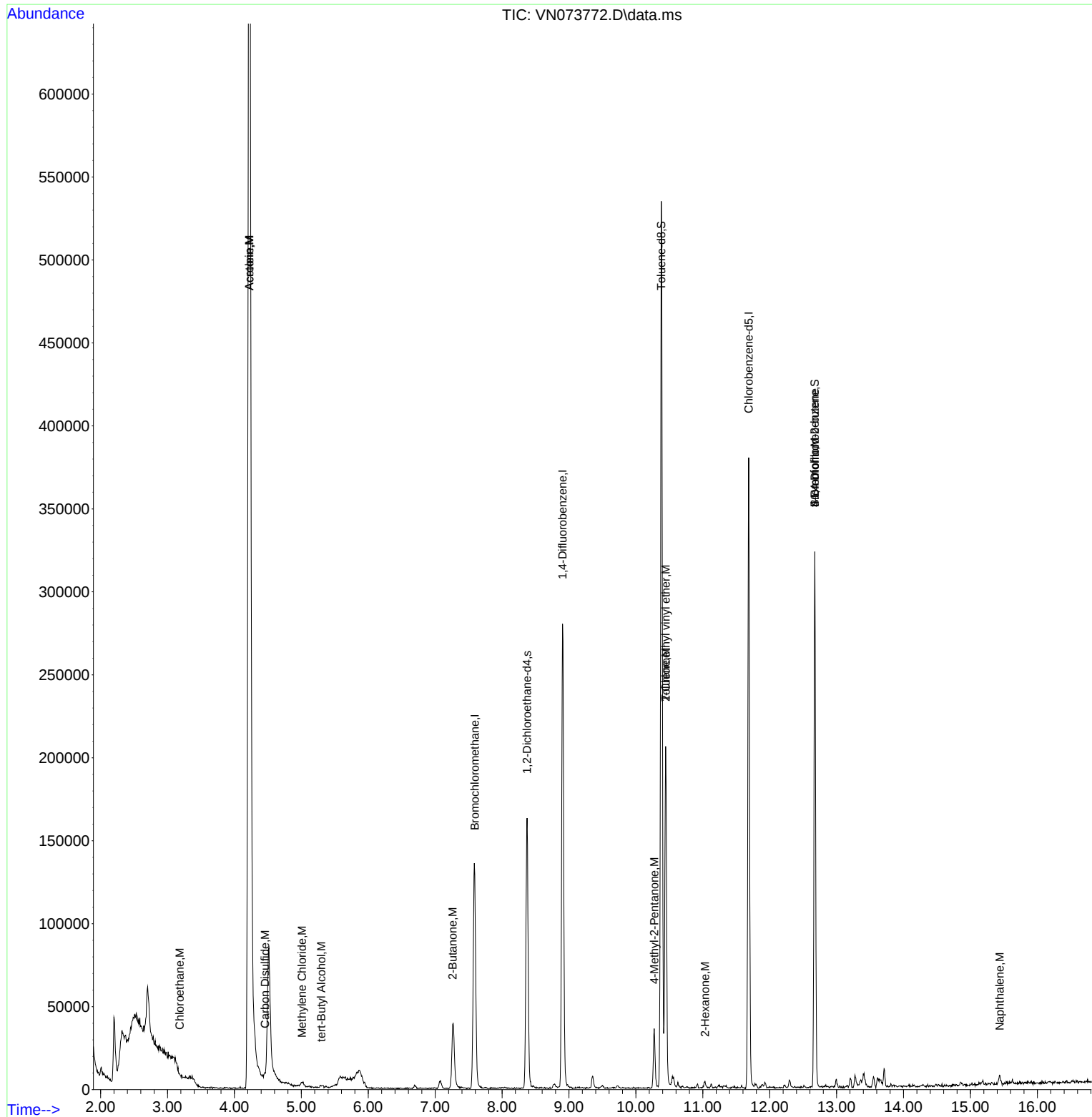
Internal Standards						
1) Bromochloromethane	7.592	128	51334	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	260308	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	228571	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.375	65	134619	30.330	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.100%
60) 4-Bromofluorobenzene	12.674	95	102093	25.226	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.100%
63) Toluene-d8	10.380	98	383902	29.828	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.433%
Target Compounds						
					Qvalue	
6) Chloroethane	3.181	64	1073	0.280	ug/l #	44
13) Acrolein	4.222	56	261	0.272	ug/l #	1
15) Acetone	4.222	58	552256	788.033	ug/l	88
16) Carbon Disulfide	4.457	76	8926	1.016	ug/l #	78
18) Methylene Chloride	5.010	84	1471	0.361	ug/l #	70
23) tert-Butyl Alcohol	5.298	59	1009	1.133	ug/l #	100
30) 2-Butanone	7.263	43	66043	19.642	ug/l	99
55) 2-Chloroethyl vinyl ether	10.445	63	10918	4.006	ug/l #	1
56) Bromoform	12.674	173	808	0.251	ug/l #	1
58) 4-Methyl-2-Pentanone	10.275	43	23576	3.989	ug/l	99
59) 2-Hexanone	11.033	43	2879	0.632	ug/l #	38
62) Toluene	10.445	91	158882	9.996	ug/l	98
77) t-1,4-Dichloro-2-butene	12.674	75	52850	29.942	ug/l #	8
91) Naphthalene	15.439	128	5998	0.438	ug/l #	90

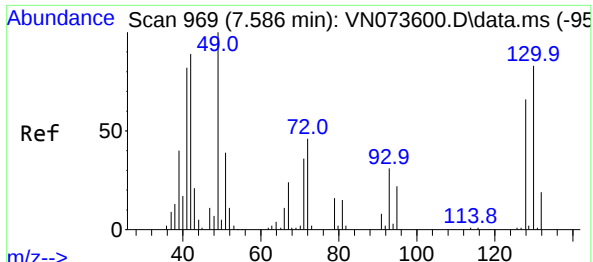
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080822\
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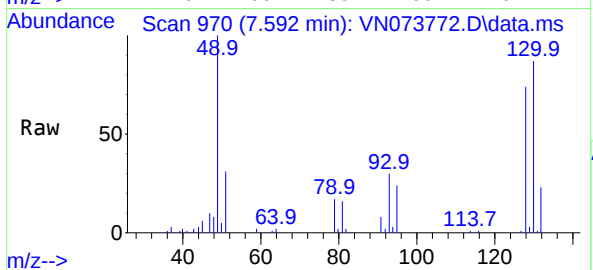
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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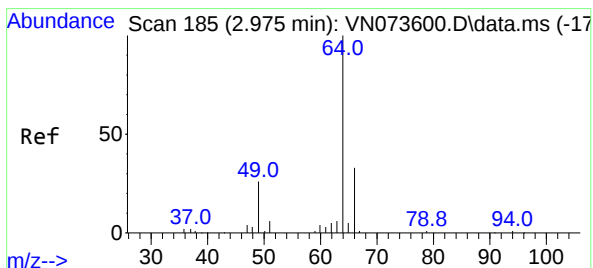
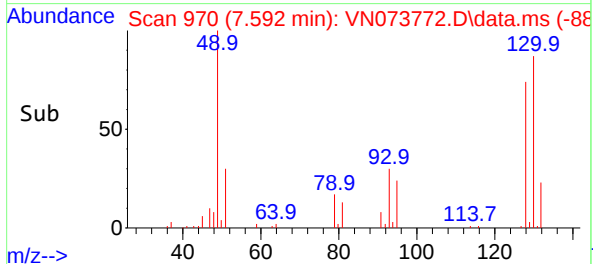
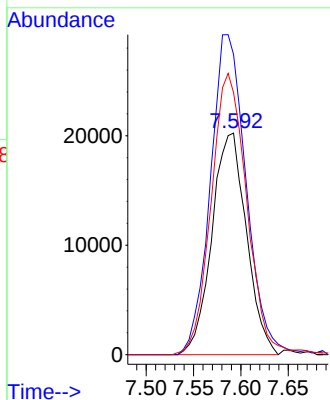


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.592 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

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

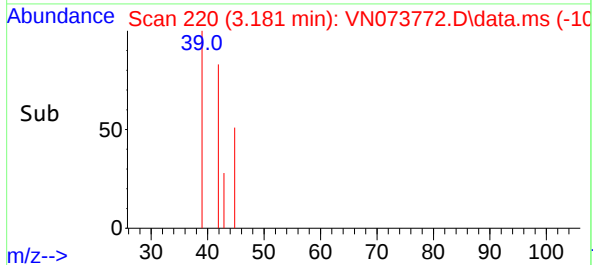
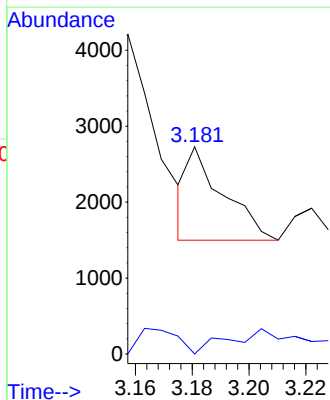
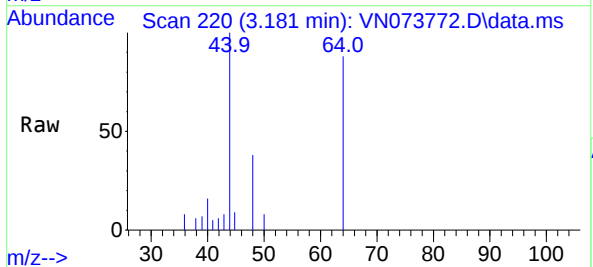


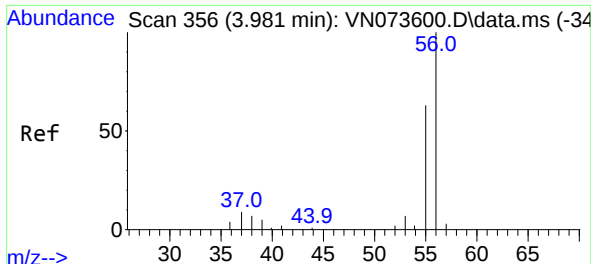
Tgt Ion:128 Resp: 51334
Ion Ratio Lower Upper
128 100
49 149.6 0.0 392.3
130 130.3 0.0 320.2



#6
Chloroethane
Concen: 0.280 ug/l
RT: 3.181 min Scan# 220
Delta R.T. 0.206 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

Tgt Ion: 64 Resp: 1073
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

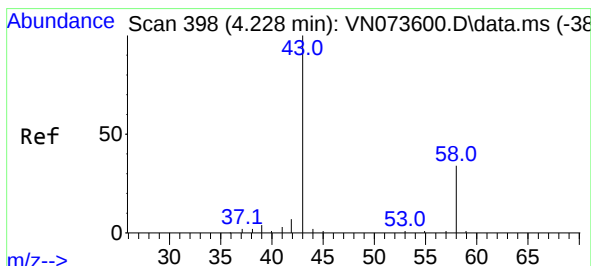
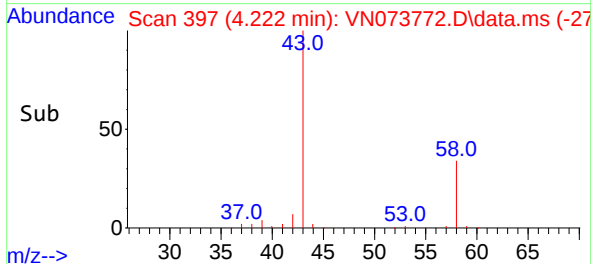
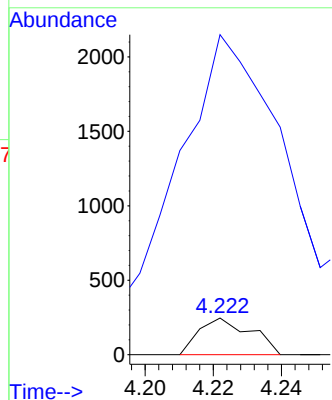
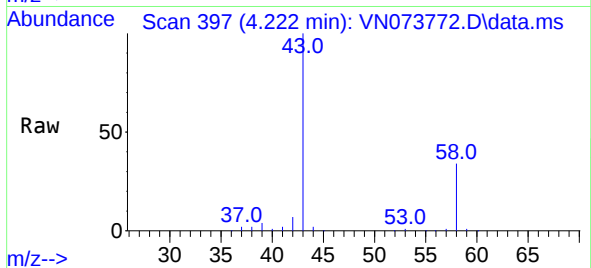




#13
Acrolein
Concen: 0.272 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.241 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

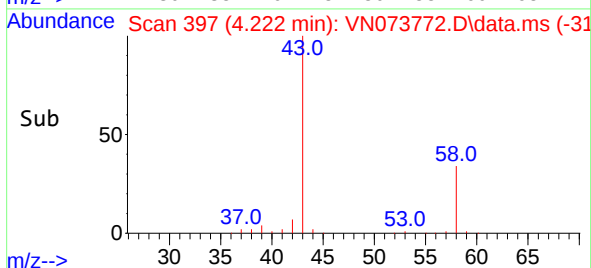
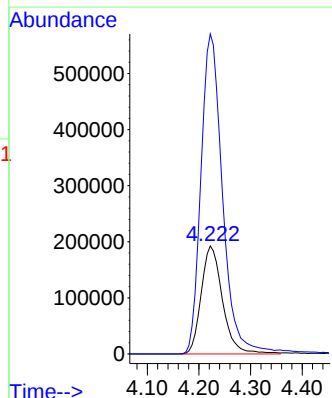
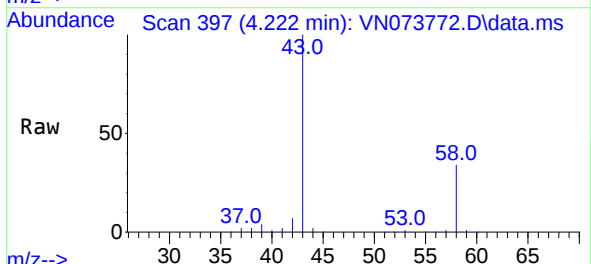
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(AUG)

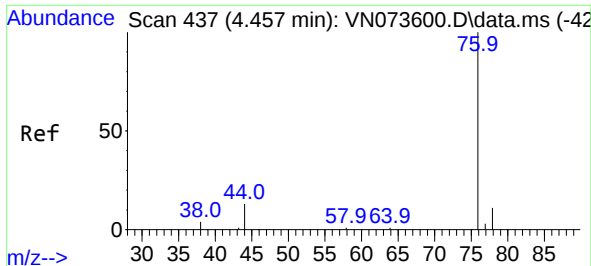
Tgt Ion: 56 Resp: 261
Ion Ratio Lower Upper
56 100
55 2075.9 57.6 86.4#



#15
Acetone
Concen: 788.033 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.006 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

Tgt Ion: 58 Resp: 552256
Ion Ratio Lower Upper
58 100
43 296.2 256.6 384.8

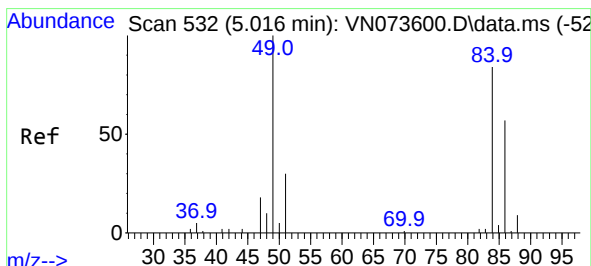
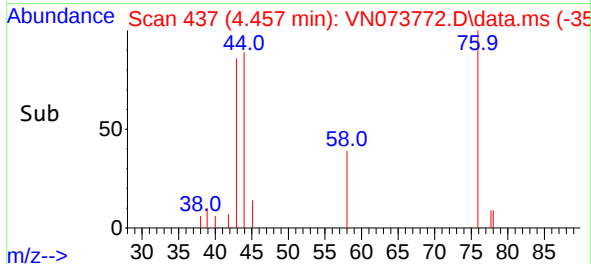
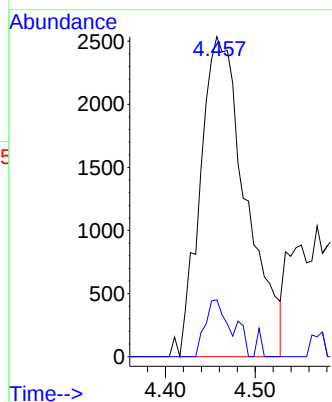
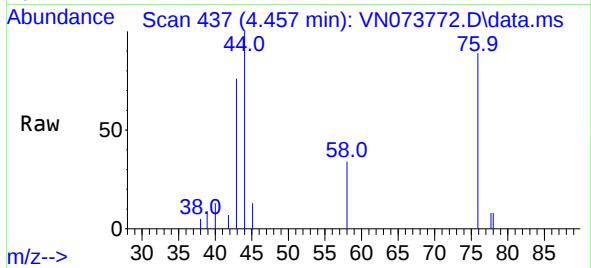




#16
Carbon Disulfide
Concen: 1.016 ug/l
RT: 4.457 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

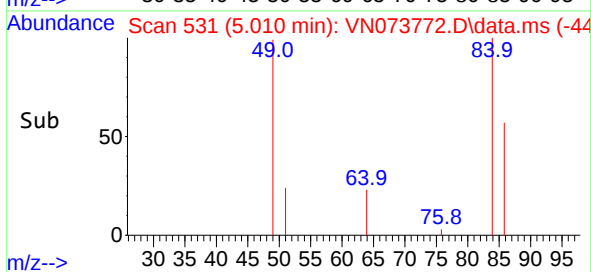
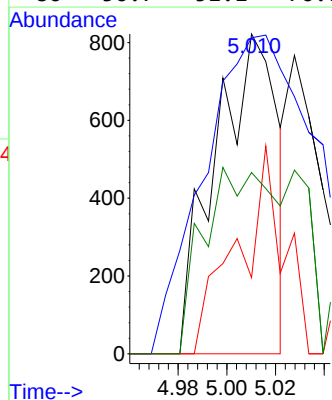
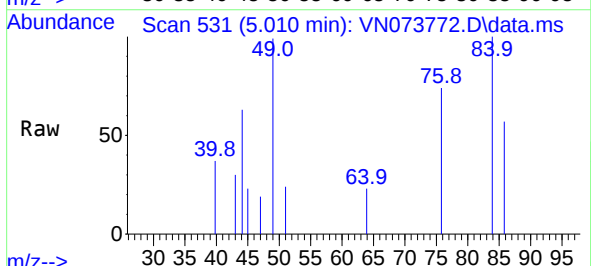
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(AUG)

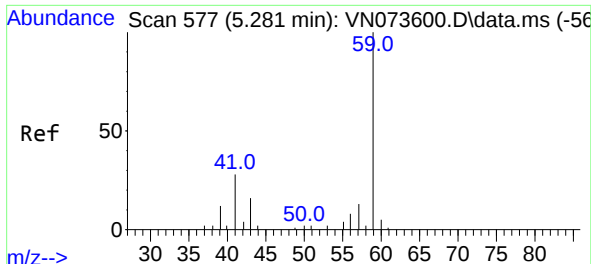
Tgt Ion: 76 Resp: 8926
Ion Ratio Lower Upper
76 100
78 17.8 7.8 11.8#



#18
Methylene Chloride
Concen: 0.361 ug/l
RT: 5.010 min Scan# 531
Delta R.T. -0.006 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

Tgt Ion: 84 Resp: 1471
Ion Ratio Lower Upper
84 100
49 66.4 91.4 137.0#
51 23.8 29.4 44.0#
86 56.7 51.1 76.7

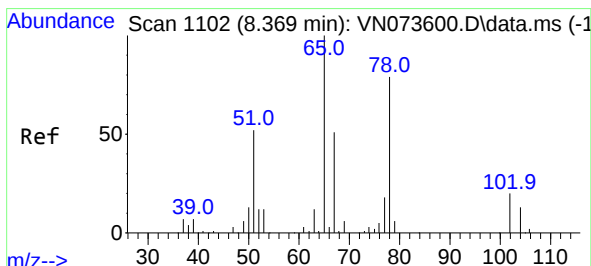
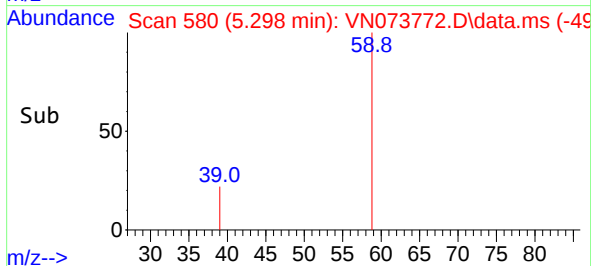
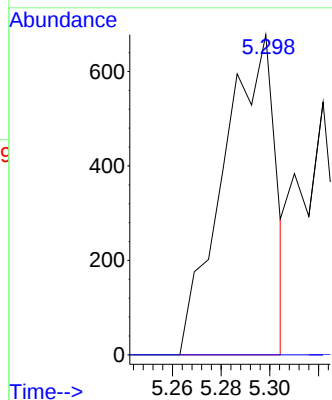
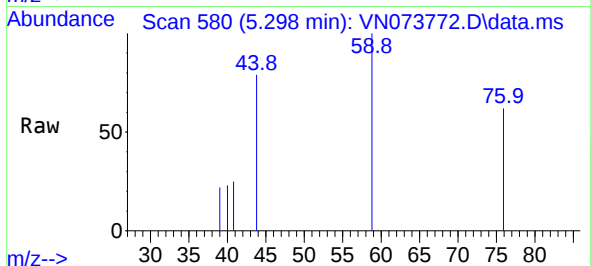




#23
tert-Butyl Alcohol
Concen: 1.133 ug/l
RT: 5.298 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

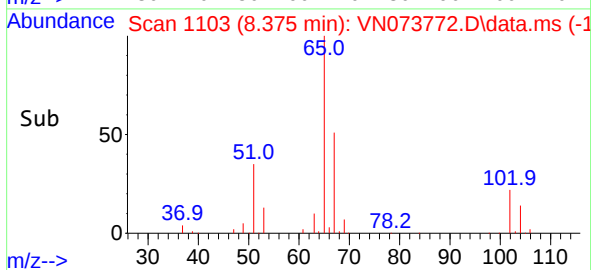
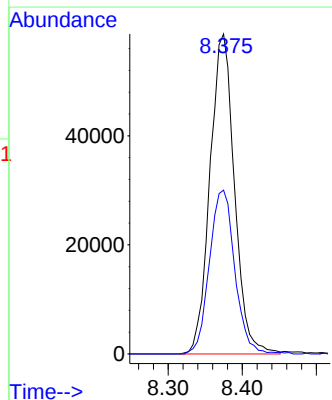
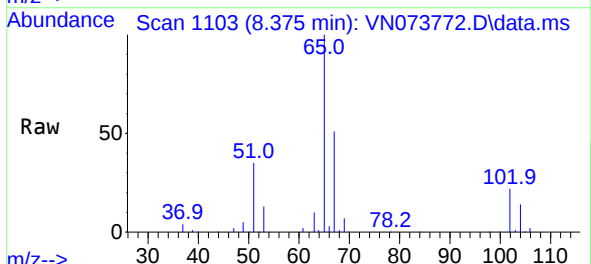
Instrument :
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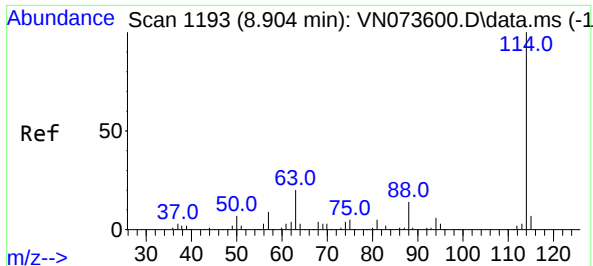
Tgt Ion: 59 Resp: 1009
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 30.330 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

Tgt Ion: 65 Resp: 134619
Ion Ratio Lower Upper
65 100
67 52.8 40.2 60.2

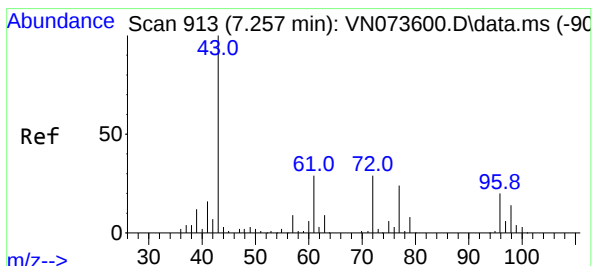
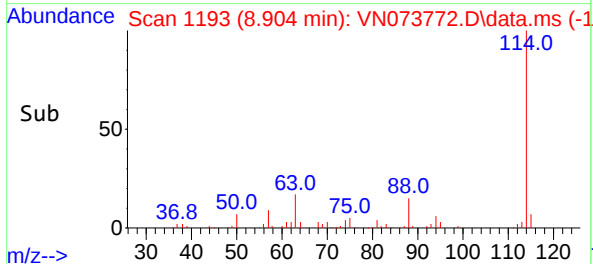
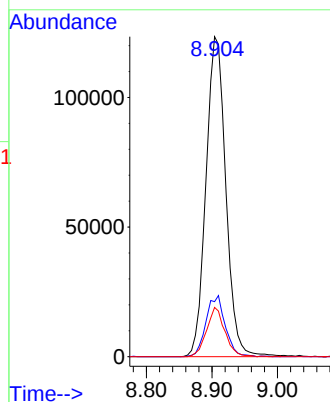
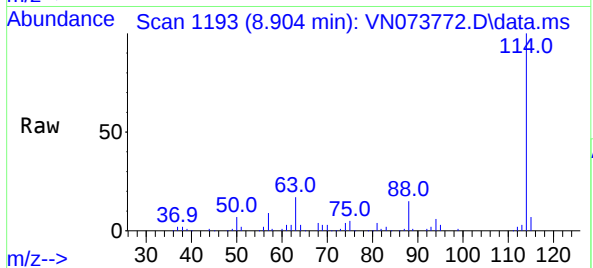




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

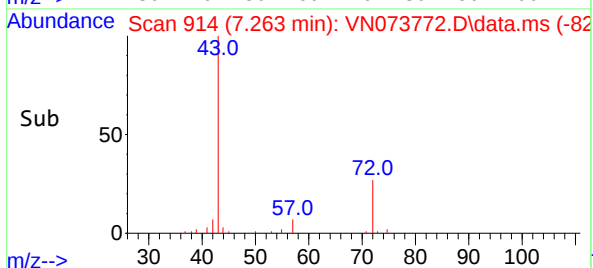
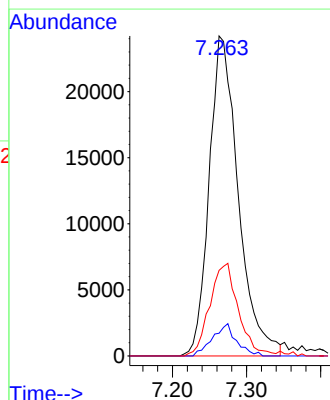
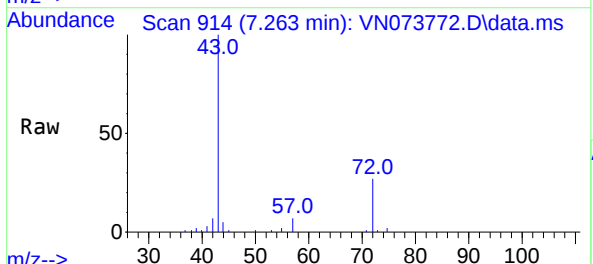
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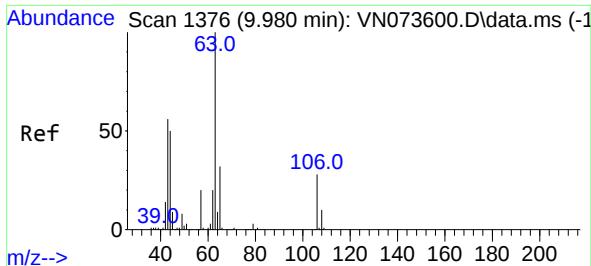
Tgt Ion:114 Resp: 260308
Ion Ratio Lower Upper
114 100
63 18.5 15.8 23.6
88 14.1 11.6 17.4



#30
2-Butanone
Concen: 19.642 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

Tgt Ion: 43 Resp: 66043
Ion Ratio Lower Upper
43 100
57 8.1 6.7 10.1
72 28.4 23.2 34.8

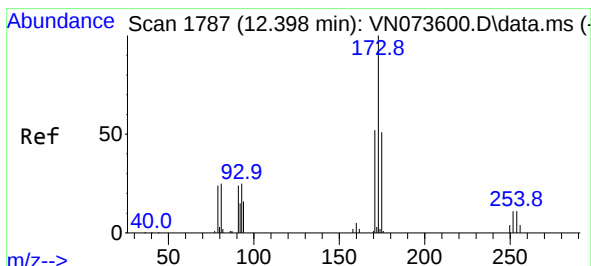
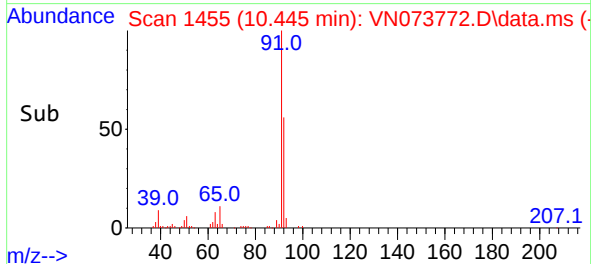
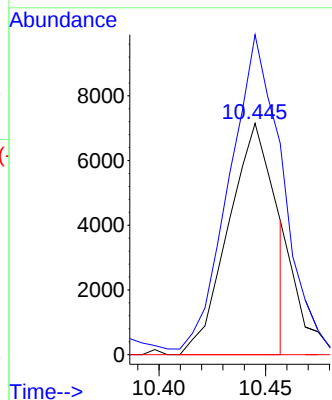
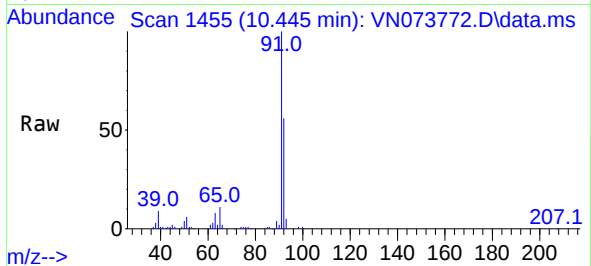




#55
2-Chloroethyl vinyl ether
Concen: 4.006 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.465 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

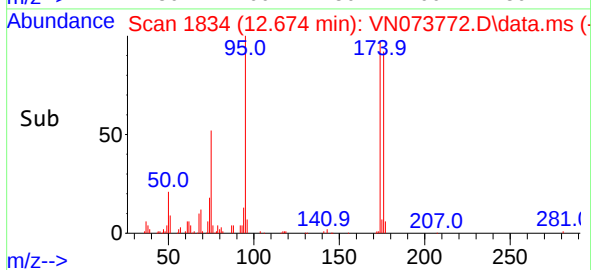
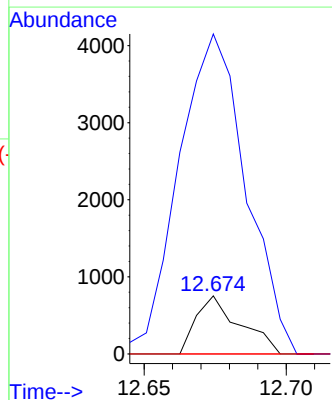
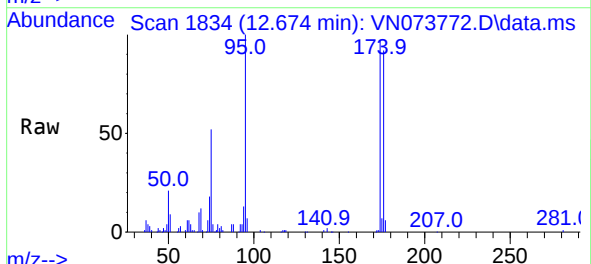
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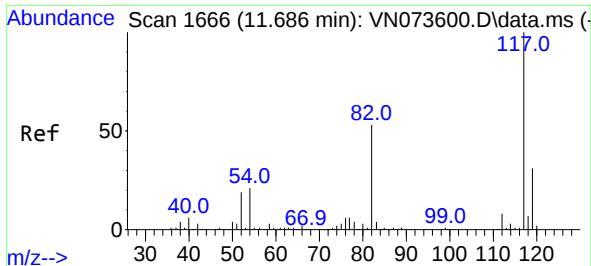
Tgt Ion: 63 Resp: 10918
Ion Ratio Lower Upper
63 100
65 135.0 25.4 38.0#
106 0.0 23.2 34.8#



#56
Bromoform
Concen: 0.251 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.276 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

Tgt Ion: 173 Resp: 808
Ion Ratio Lower Upper
173 100
175 849.6 38.6 58.0#
254 0.0 0.0 0.0

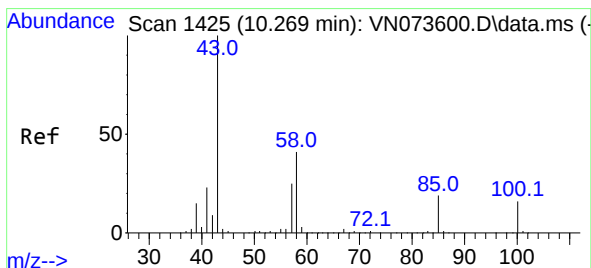
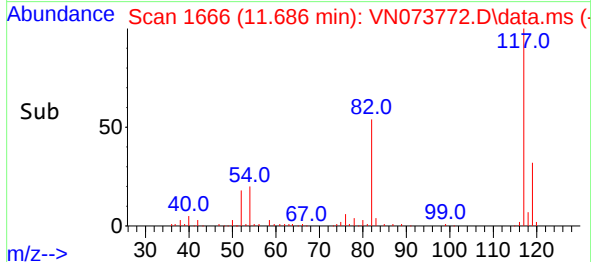
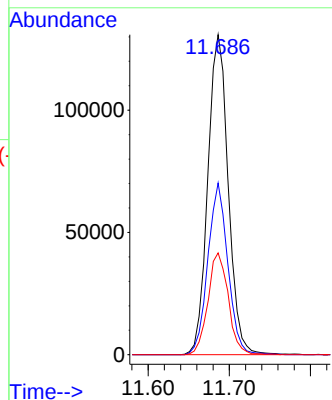
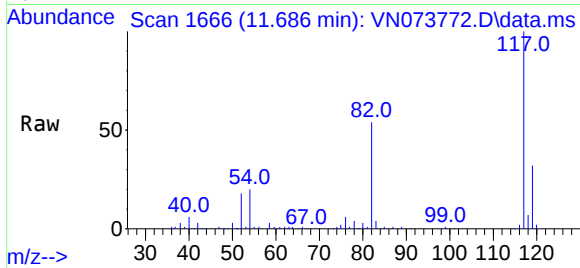




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

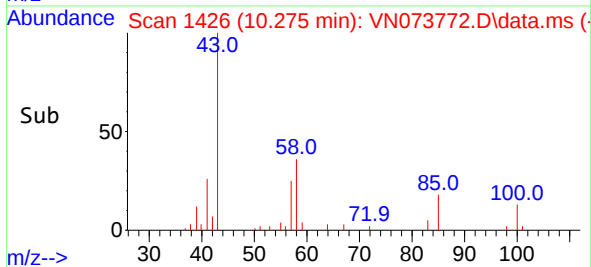
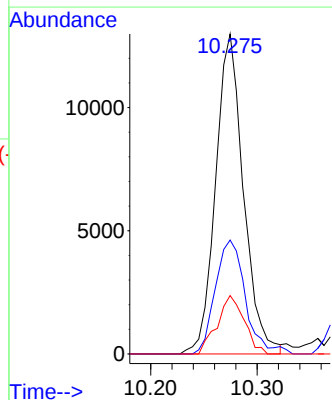
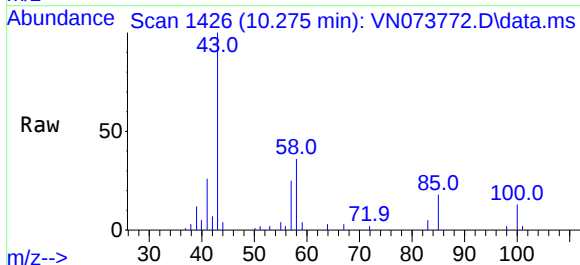
Instrument :
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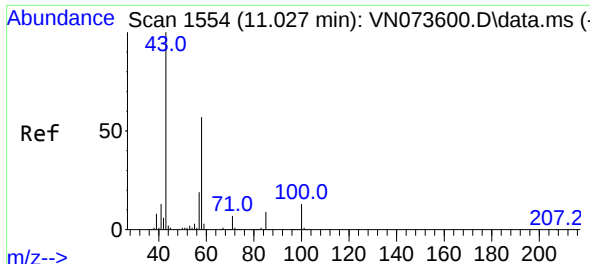
Tgt Ion:117 Resp: 228571
Ion Ratio Lower Upper
117 100
82 52.6 43.6 65.4
119 31.6 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 3.989 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

Tgt Ion: 43 Resp: 23576
Ion Ratio Lower Upper
43 100
58 37.3 30.0 45.0
85 17.7 15.0 22.6

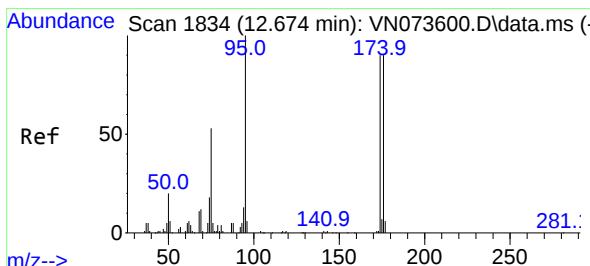
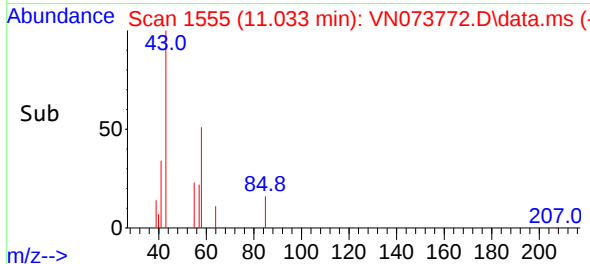
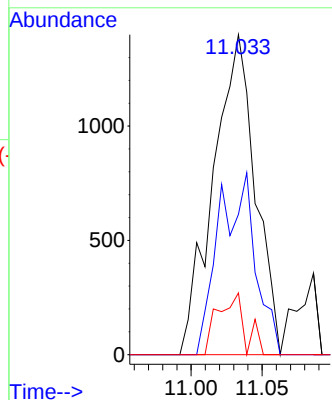
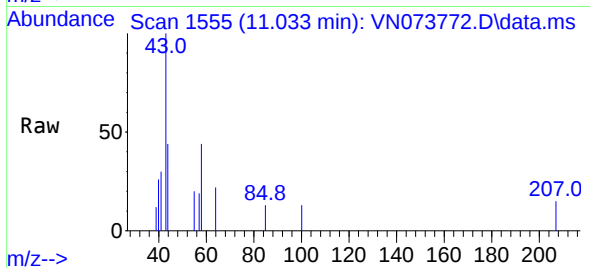




#59
2-Hexanone
Concen: 0.632 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

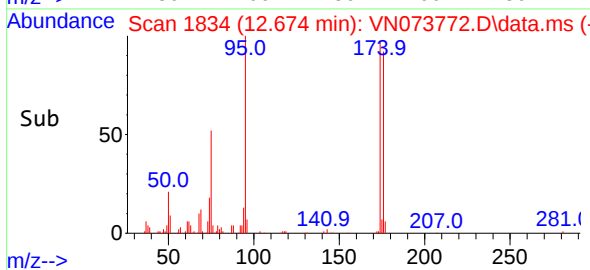
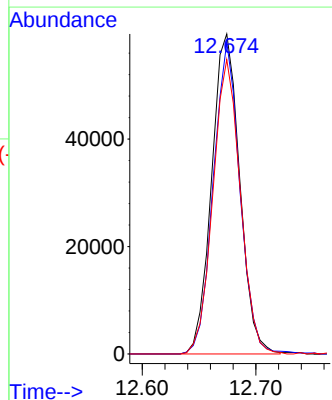
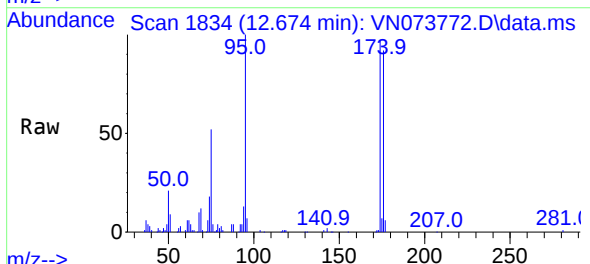
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(AUG)

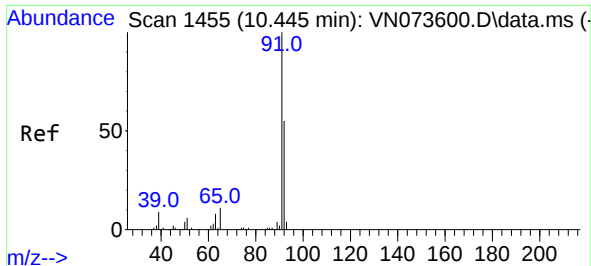
Tgt Ion: 43 Resp: 2879
Ion Ratio Lower Upper
43 100
58 0.0 42.2 63.2#
57 5.8 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 25.226 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

Tgt Ion: 95 Resp: 102093
Ion Ratio Lower Upper
95 100
174 92.2 62.9 94.3
176 89.7 61.0 91.4

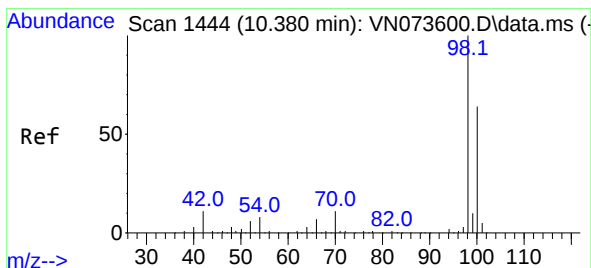
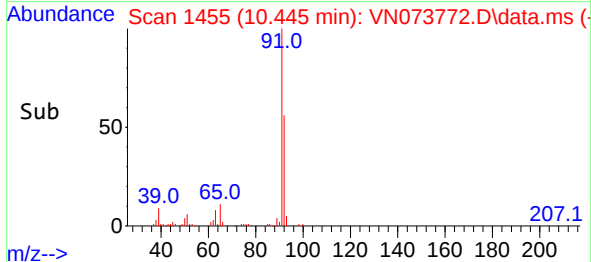
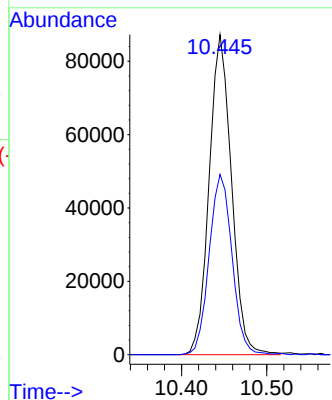
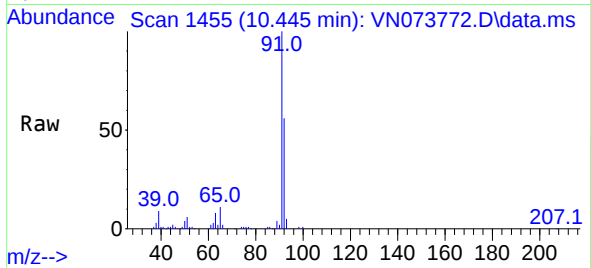




#62
Toluene
Concen: 9.996 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

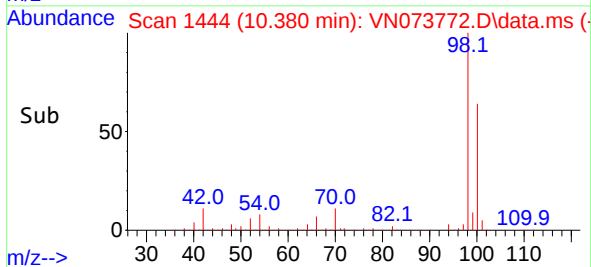
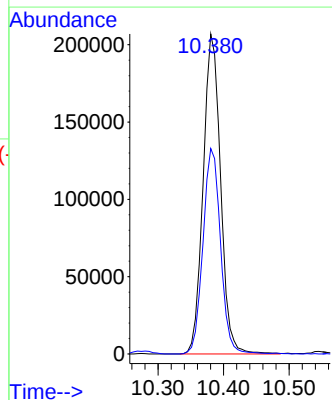
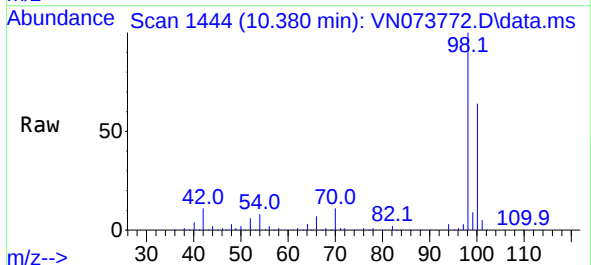
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(AUG)

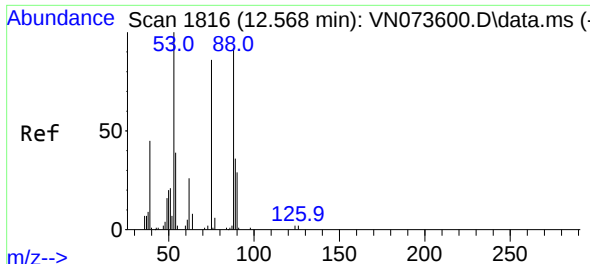
Tgt Ion: 91 Resp: 158882
Ion Ratio Lower Upper
91 100
92 57.6 44.6 67.0



#63
Toluene-d8
Concen: 29.828 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

Tgt Ion: 98 Resp: 383902
Ion Ratio Lower Upper
98 100
100 64.6 50.6 76.0

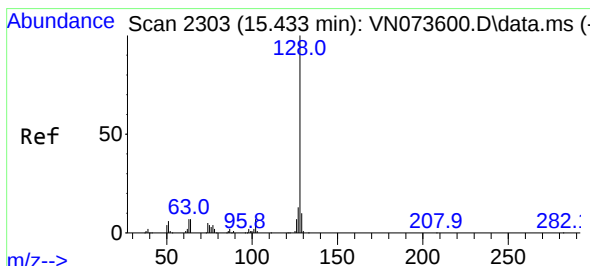
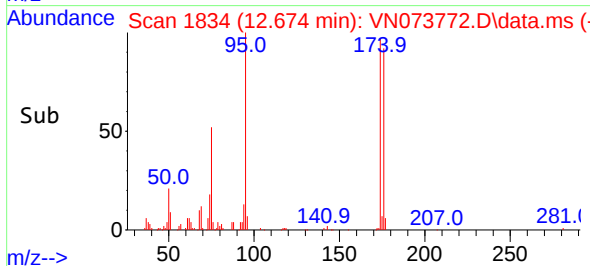
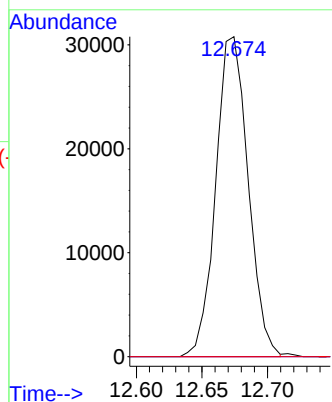
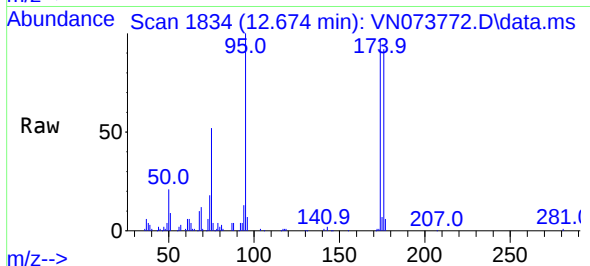




#77
t-1,4-Dichloro-2-butene
Concen: 29.942 ug/l
RT: 12.674 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

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

Tgt Ion: 75 Resp: 52850
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#91
Naphthalene
Concen: 0.438 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN073772.D
Acq: 08 Aug 2022 16:01

Tgt Ion: 128 Resp: 5998
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 2.9 9.0 13.6#

