

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072722\
 Data File : VN073612.D
 Acq On : 27 Jul 2022 17:40
 Operator : JC\MD
 Sample : N3949-02 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Jul 28 02:15:31 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)

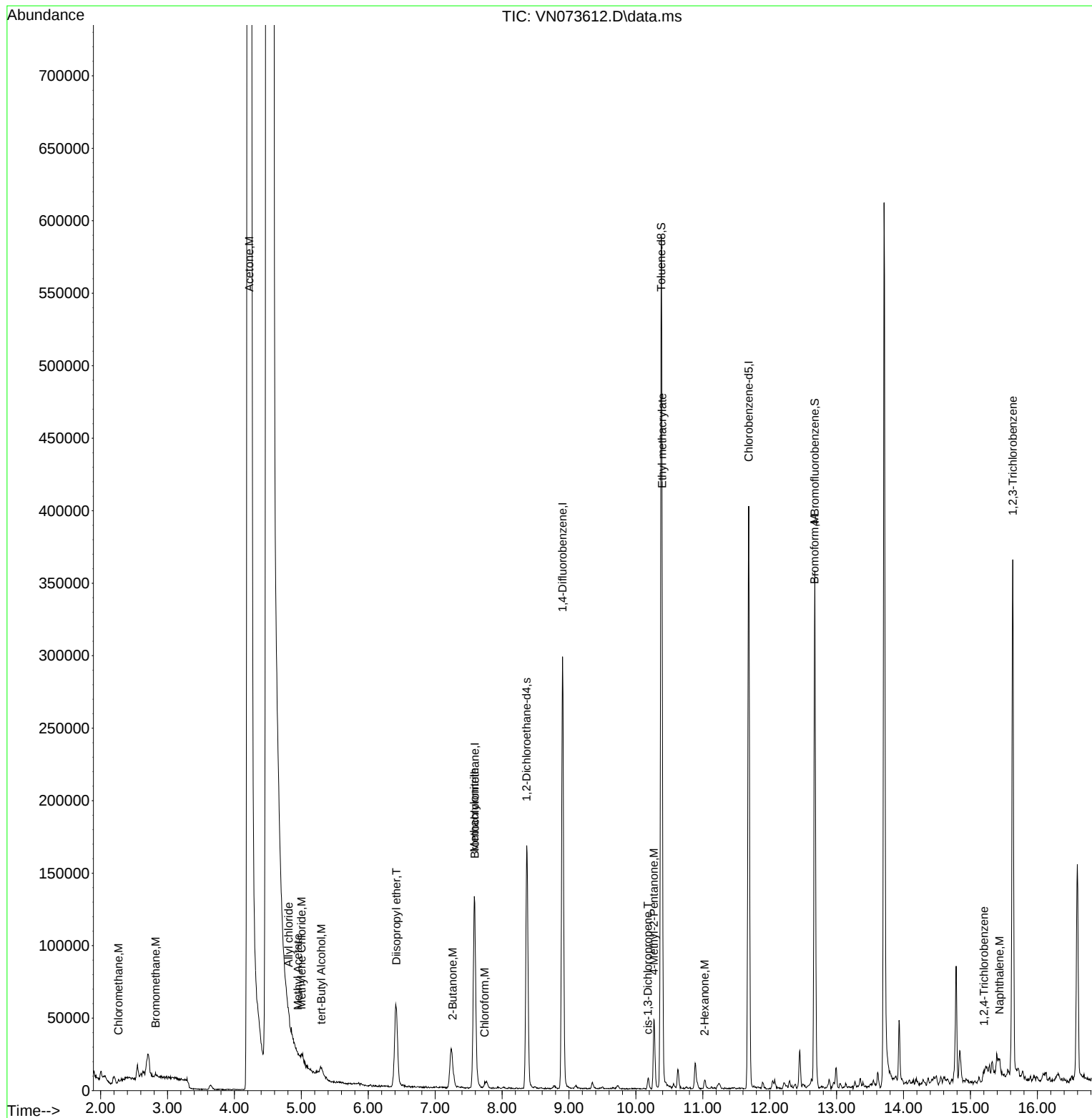
Internal Standards						
1) Bromochloromethane	7.592	128	50811	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	263320	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	239278	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	137317	31.257	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.200%
60) 4-Bromofluorobenzene	12.674	95	113750	26.848	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.500%
63) Toluene-d8	10.380	98	410009	30.431	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.433%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1192	0.261	ug/l	89
5) Bromomethane	2.822	94	700	0.246	ug/l #	78
12) Methyl Acetate	4.951	43	1374	0.254	ug/l #	49
15) Acetone	4.222	58	3270389	4714.666	ug/l	87
17) Allyl chloride	4.810	41	1223	0.230	ug/l #	74
18) Methylene Chloride	5.004	84	1576	0.391	ug/l #	83
20) Diisopropyl ether	6.422	45	69015	5.979	ug/l #	86
23) tert-Butyl Alcohol	5.298	59	9947	11.280	ug/l #	100
25) Chloroform	7.739	83	1670	0.238	ug/l	87
30) 2-Butanone	7.263	43	3573	1.051	ug/l #	64
35) Methacrylonitrile	7.587	41	668	0.242	ug/l #	22
49) cis-1,3-Dichloropropene	10.180	75	1334	0.219	ug/l #	74
51) Ethyl methacrylate	10.392	69	1386	0.225	ug/l	84
56) Bromoform	12.669	173	1179	0.362	ug/l #	1
58) 4-Methyl-2-Pentanone	10.269	43	31919	5.159	ug/l	96
59) 2-Hexanone	11.027	43	4547	0.954	ug/l	96
89) 1,2,4-Trichlorobenzene	15.204	180	1669	0.382	ug/l #	74
91) Naphthalene	15.433	128	8730	0.609	ug/l #	94
92) 1,2,3-Trichlorobenzene	15.633	180	1846	0.411	ug/l	35

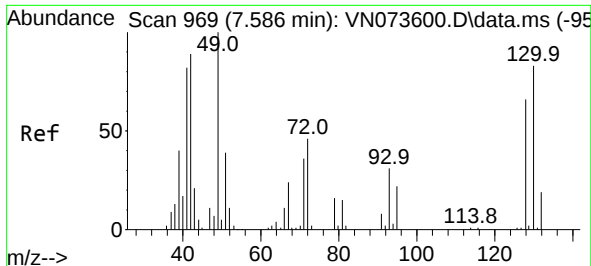
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072722\
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MSVOA_N
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Quant Time: Jul 28 02:15:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
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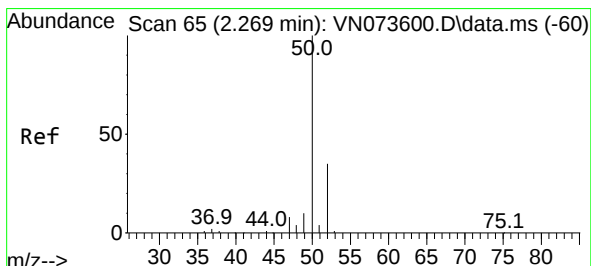
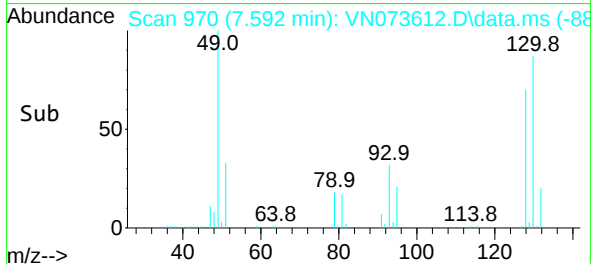
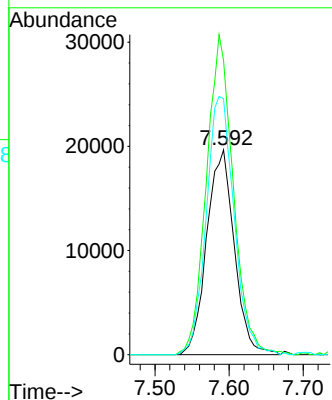
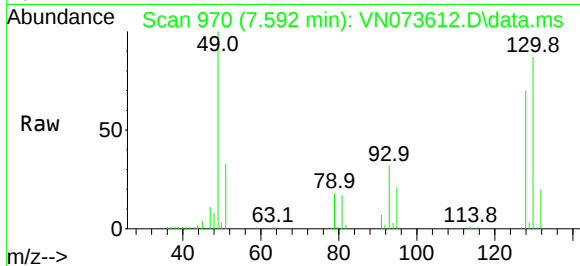




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.592 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN073612.D
Acq: 27 Jul 2022 17:40

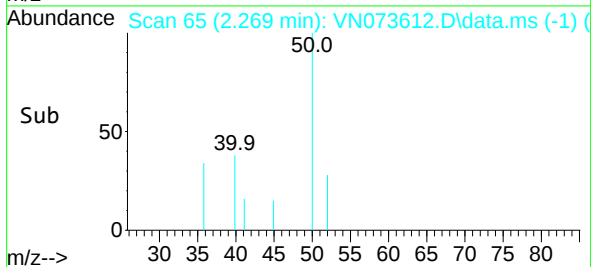
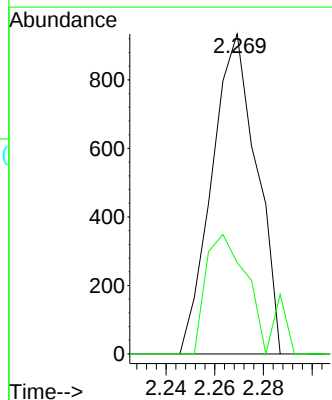
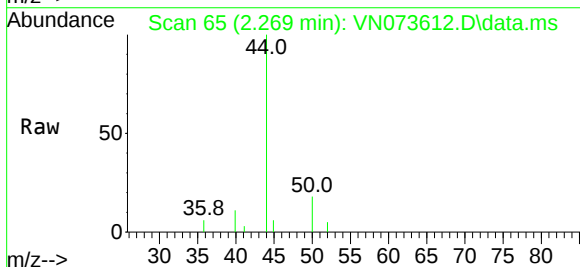
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

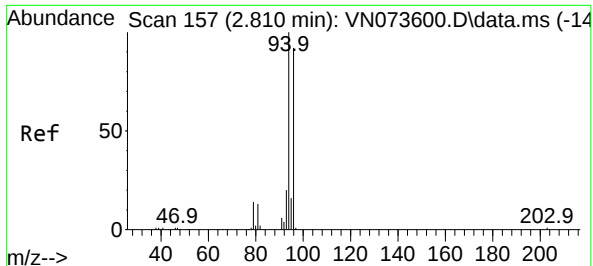
Tgt Ion:128 Resp: 50811
Ion Ratio Lower Upper
128 100
49 152.1 0.0 392.3
130 128.0 0.0 320.2



#3
Chloromethane
Concen: 0.261 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073612.D
Acq: 27 Jul 2022 17:40

Tgt Ion: 50 Resp: 1192
Ion Ratio Lower Upper
50 100
52 28.5 27.8 41.6

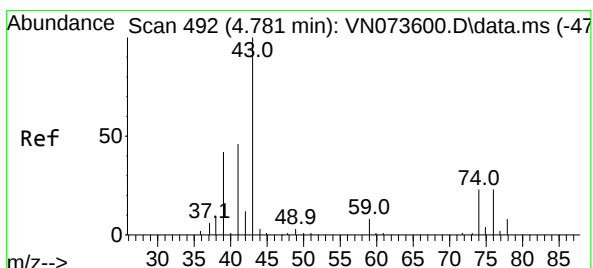
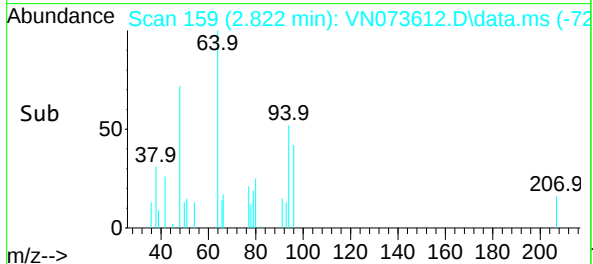
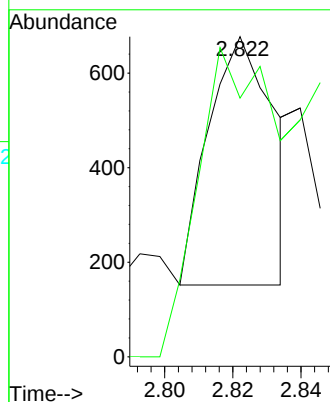
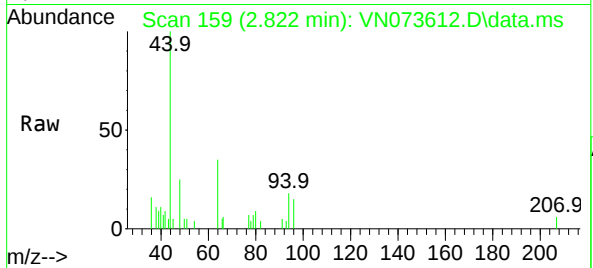




#5
Bromomethane
Concen: 0.246 ug/l
RT: 2.822 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN073612.D
Acq: 27 Jul 2022 17:40

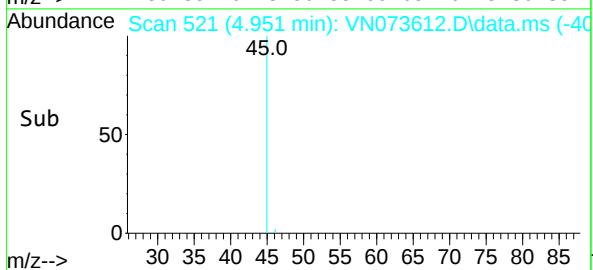
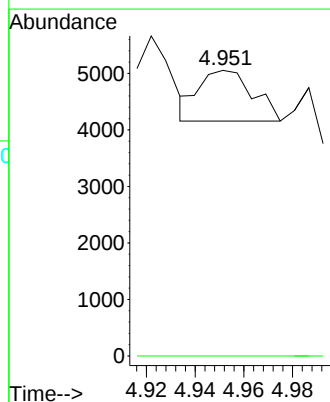
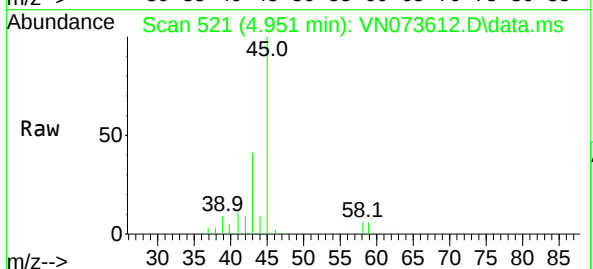
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

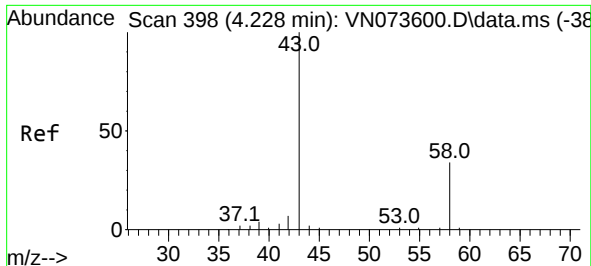
Tgt Ion: 94 Resp: 700
Ion Ratio Lower Upper
94 100
96 73.1 75.2 112.8#



#12
Methyl Acetate
Concen: 0.254 ug/l
RT: 4.951 min Scan# 521
Delta R.T. 0.171 min
Lab File: VN073612.D
Acq: 27 Jul 2022 17:40

Tgt Ion: 43 Resp: 1374
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#





#15

Acetone

Concen: 4714.666 ug/l

RT: 4.222 min Scan# 398

Delta R.T. -0.006 min

Lab File: VN073612.D

Acq: 27 Jul 2022 17:40

Instrument :

MSVOA_N

ClientSampleId :

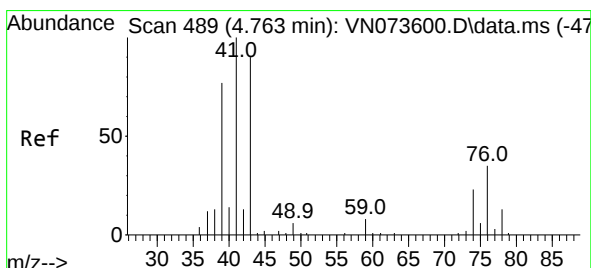
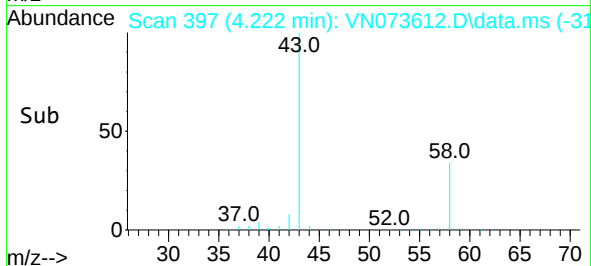
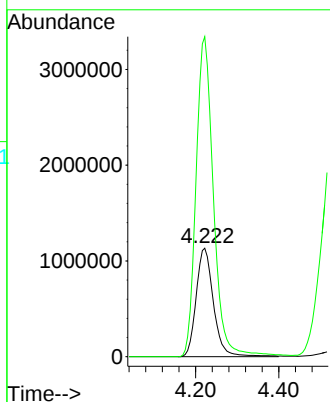
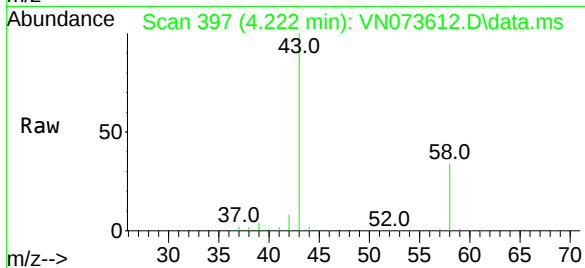
EFF-WW

Tgt Ion: 58 Resp: 3270389

Ion Ratio Lower Upper

58 100

43 295.0 256.6 384.8



#17

Allyl chloride

Concen: 0.230 ug/l

RT: 4.810 min Scan# 497

Delta R.T. 0.047 min

Lab File: VN073612.D

Acq: 27 Jul 2022 17:40

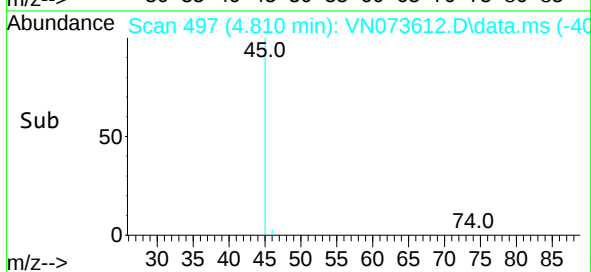
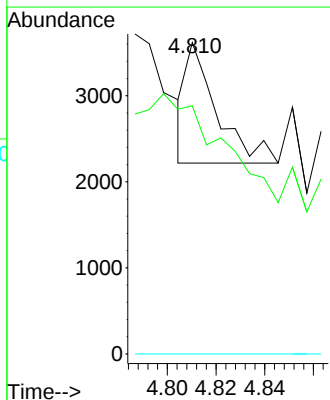
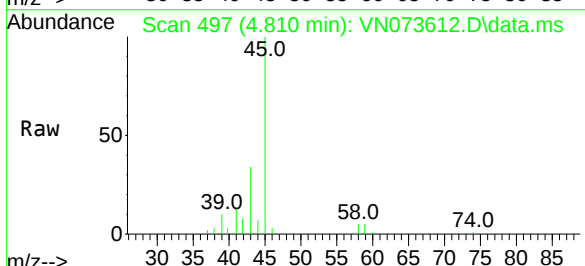
Tgt Ion: 41 Resp: 1223

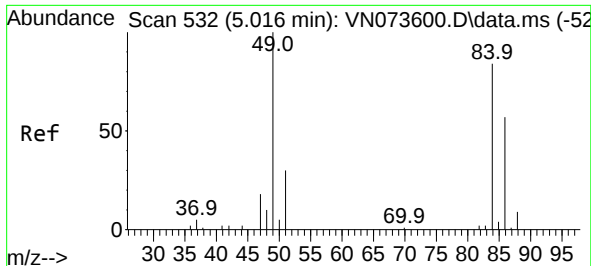
Ion Ratio Lower Upper

41 100

39 80.4 44.6 134.0

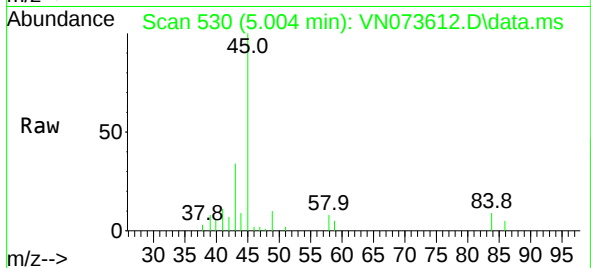
76 0.0 19.6 58.7#





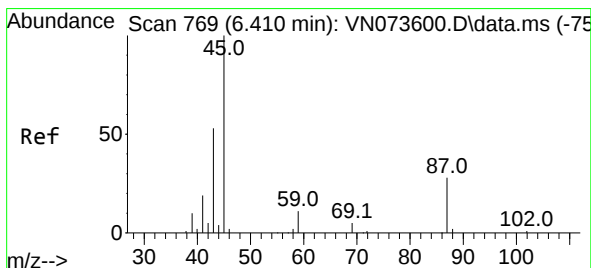
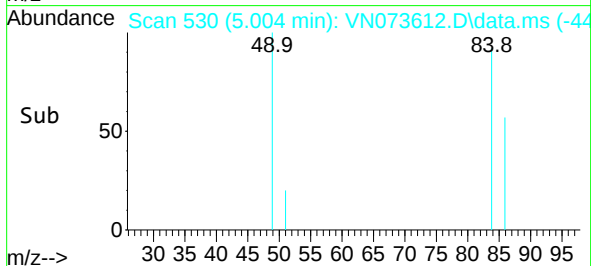
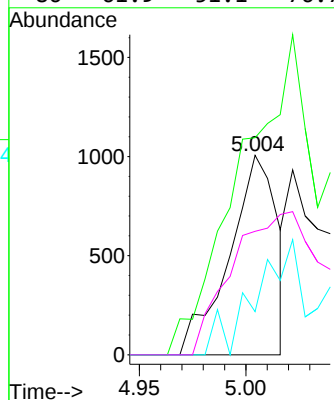
#18
Methylene Chloride
Concen: 0.391 ug/l
RT: 5.004 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN073612.D
Acq: 27 Jul 2022 17:40

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW



Tgt Ion: 84 Resp: 1576

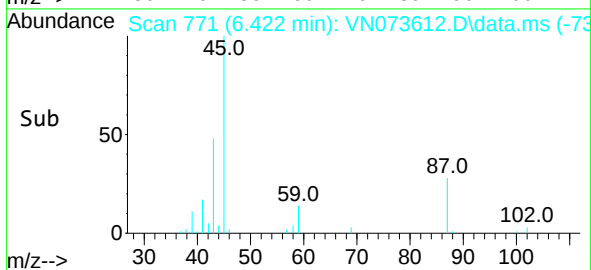
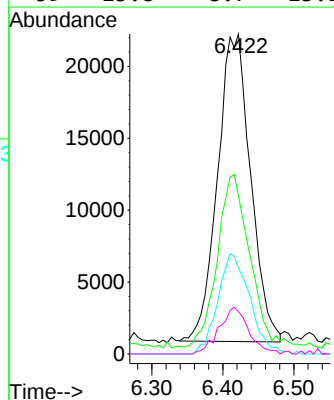
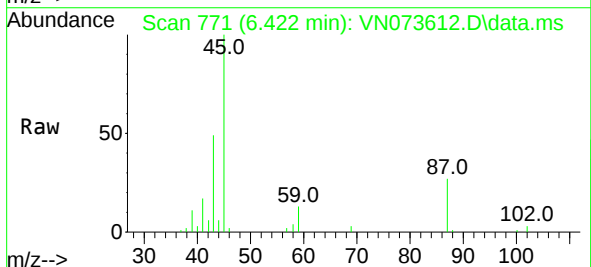
Ion	Ratio	Lower	Upper
84	100		
49	90.9	91.4	137.0#
51	21.7	29.4	44.0#
86	61.9	51.1	76.7

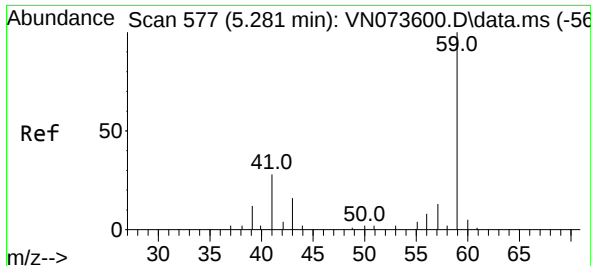


#20
Diisopropyl ether
Concen: 5.979 ug/l
RT: 6.422 min Scan# 771
Delta R.T. 0.012 min
Lab File: VN073612.D
Acq: 27 Jul 2022 17:40

Tgt Ion: 45 Resp: 69015

Ion	Ratio	Lower	Upper
45	100		
43	49.1	51.0	76.4#
87	28.1	25.0	37.4
59	13.8	8.7	13.1#

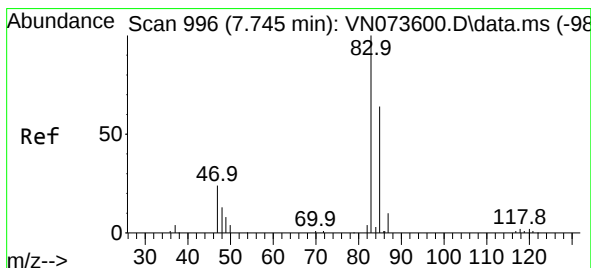
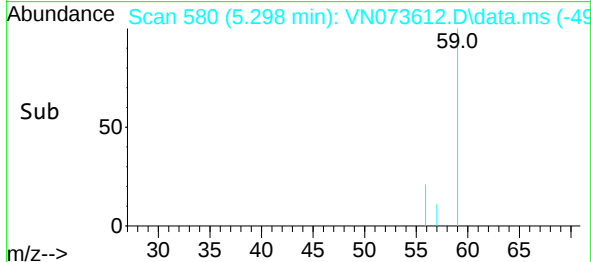
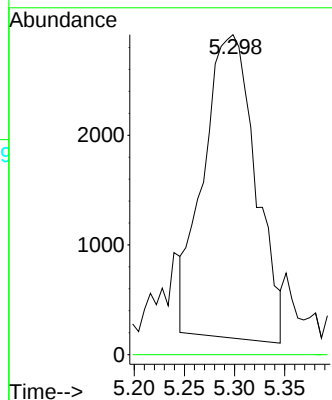
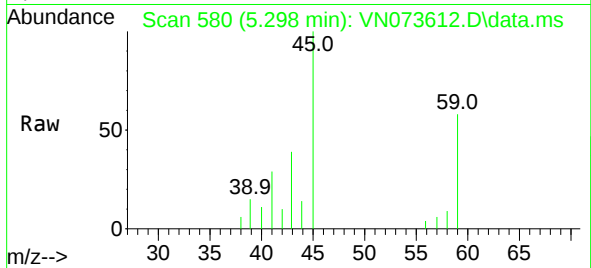




#23
tert-Butyl Alcohol
Concen: 11.280 ug/l
RT: 5.298 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN073612.D
Acq: 27 Jul 2022 17:40

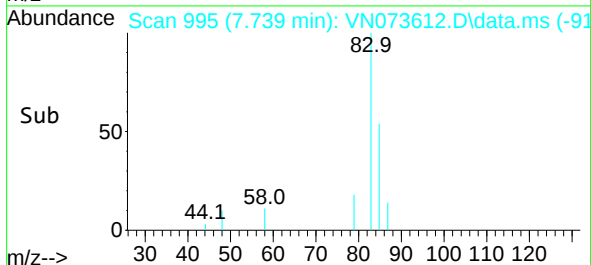
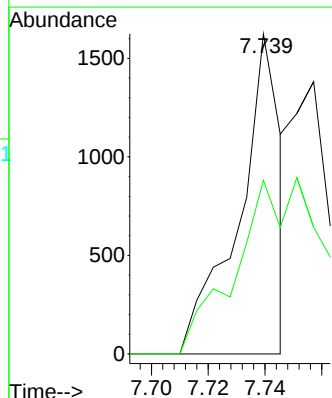
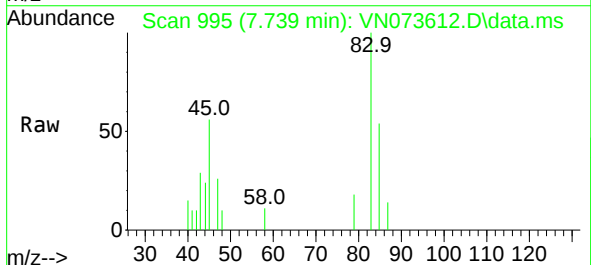
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

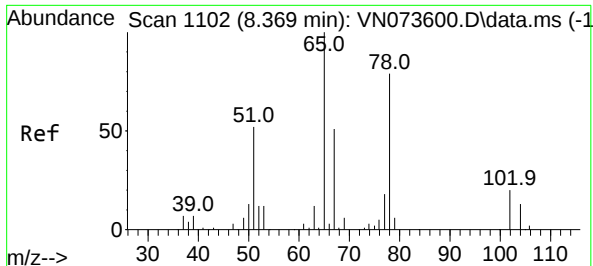
Tgt Ion: 59 Resp: 9947
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.238 ug/l
RT: 7.739 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN073612.D
Acq: 27 Jul 2022 17:40

Tgt Ion: 83 Resp: 1670
Ion Ratio Lower Upper
83 100
85 54.3 51.3 76.9

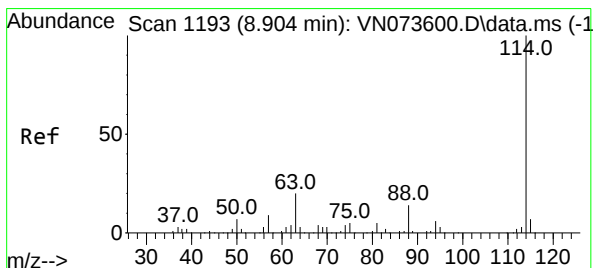
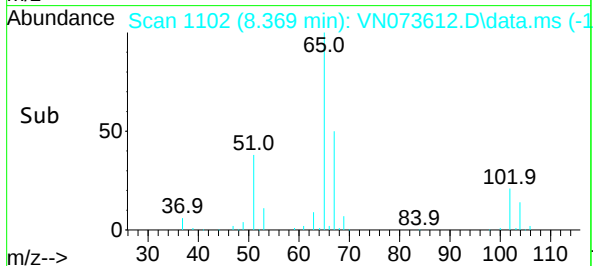
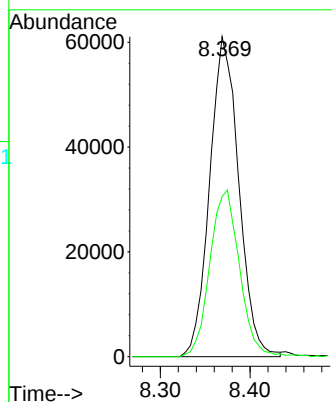
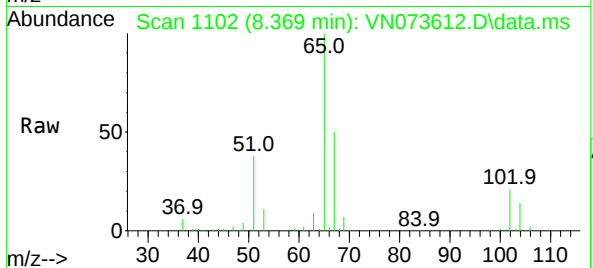




#27
1,2-Dichloroethane-d4
Concen: 31.257 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073612.D
Acq: 27 Jul 2022 17:40

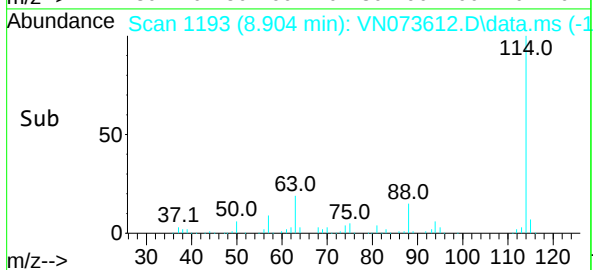
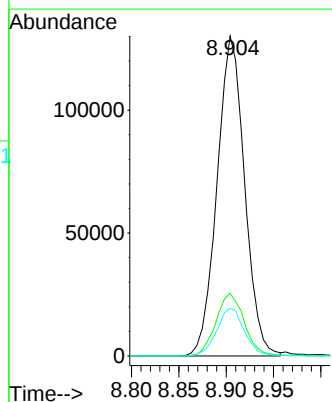
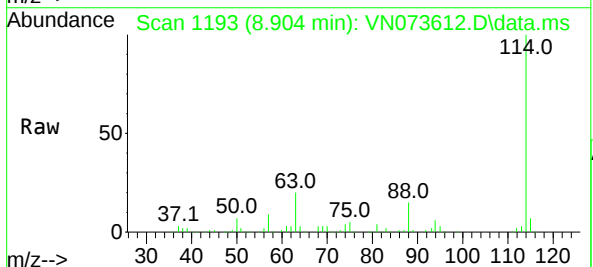
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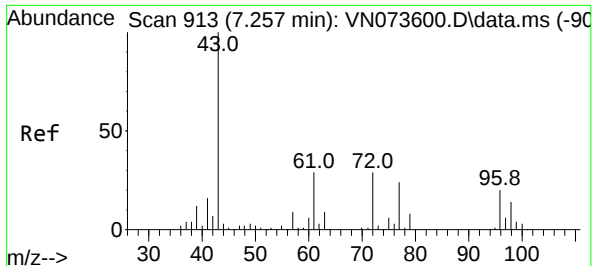
Tgt Ion: 65 Resp: 137317
Ion Ratio Lower Upper
65 100
67 52.9 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073612.D
Acq: 27 Jul 2022 17:40

Tgt Ion: 114 Resp: 263320
Ion Ratio Lower Upper
114 100
63 20.1 15.8 23.6
88 14.9 11.6 17.4





#30

2-Butanone

Concen: 1.051 ug/l

RT: 7.263 min Scan# 914

Delta R.T. 0.006 min

Lab File: VN073612.D

Acq: 27 Jul 2022 17:40

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

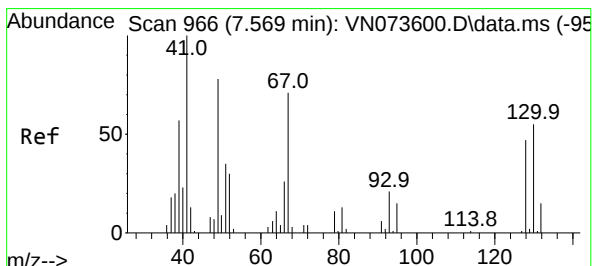
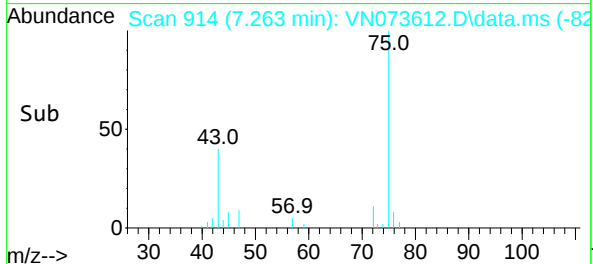
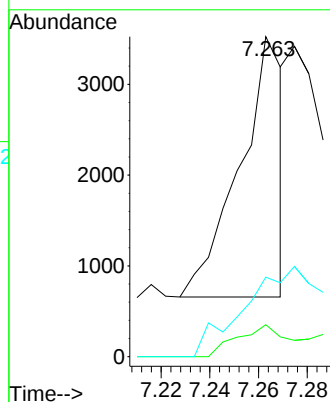
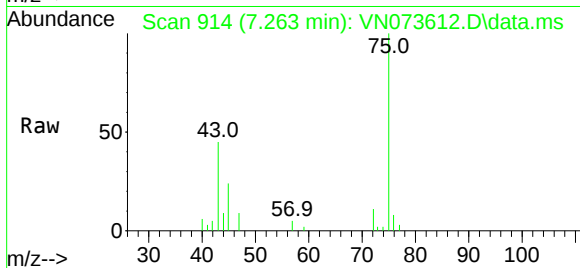
Tgt Ion: 43 Resp: 3573

Ion Ratio Lower Upper

43 100

57 13.5 6.7 10.1#

72 6.4 23.2 34.8#



#35

Methacrylonitrile

Concen: 0.242 ug/l

RT: 7.587 min Scan# 969

Delta R.T. 0.018 min

Lab File: VN073612.D

Acq: 27 Jul 2022 17:40

Tgt Ion: 41 Resp: 668

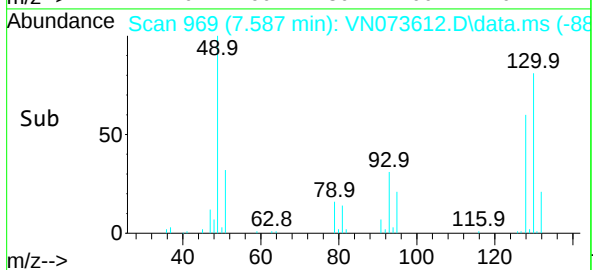
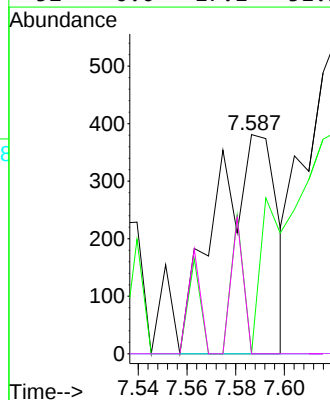
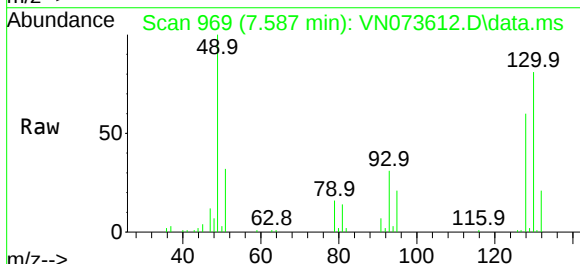
Ion Ratio Lower Upper

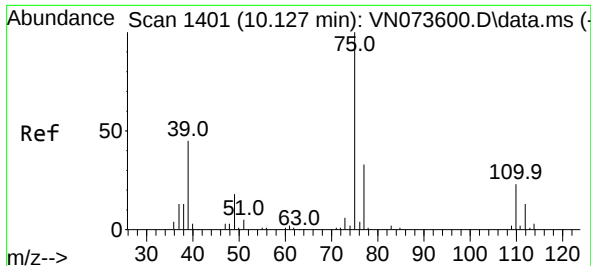
41 100

39 0.0 28.0 83.9#

67 0.0 37.7 113.1#

52 0.0 17.1 51.2#





#49

cis-1,3-Dichloropropene

Concen: 0.219 ug/l

RT: 10.180 min Scan# 1401

Delta R.T. 0.053 min

Lab File: VN073612.D

Acq: 27 Jul 2022 17:40

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

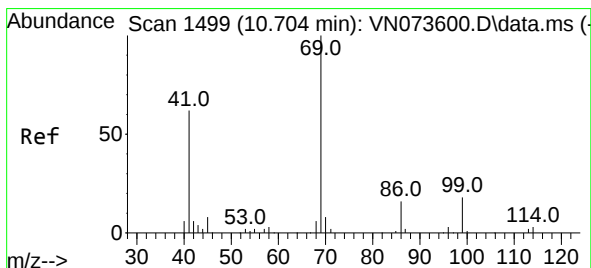
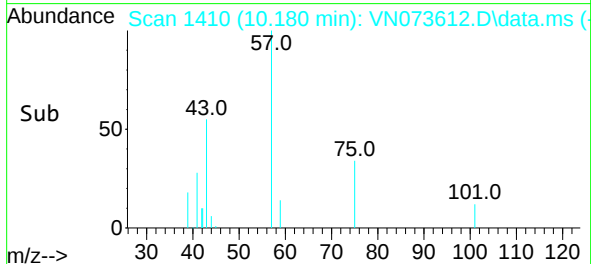
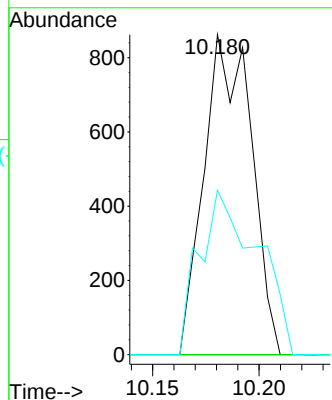
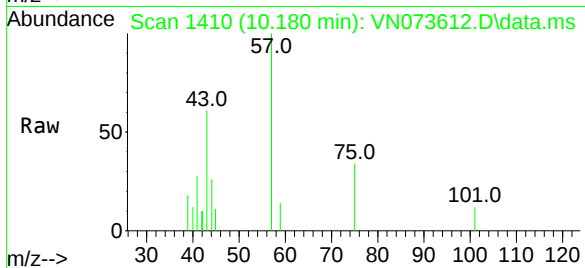
Tgt Ion: 75 Resp: 1334

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

39 51.4 46.2 69.4



#51

Ethyl methacrylate

Concen: 0.225 ug/l

RT: 10.392 min Scan# 1446

Delta R.T. -0.312 min

Lab File: VN073612.D

Acq: 27 Jul 2022 17:40

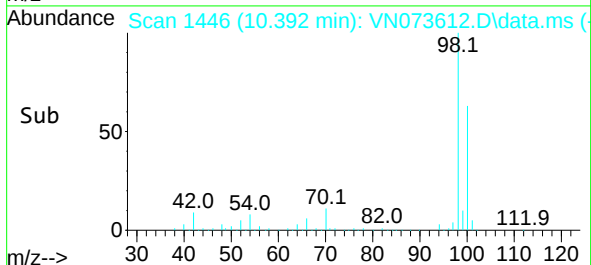
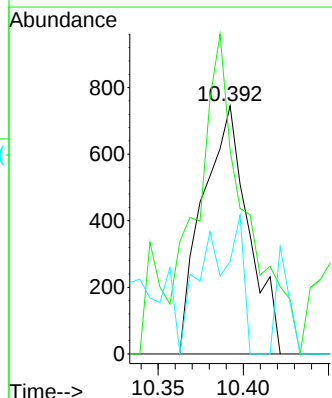
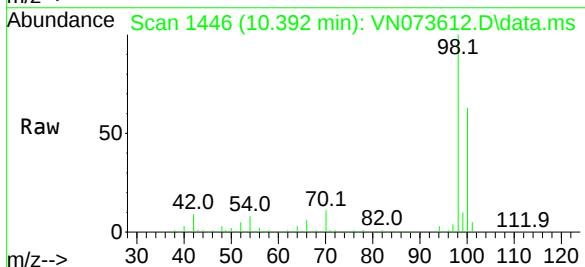
Tgt Ion: 69 Resp: 1386

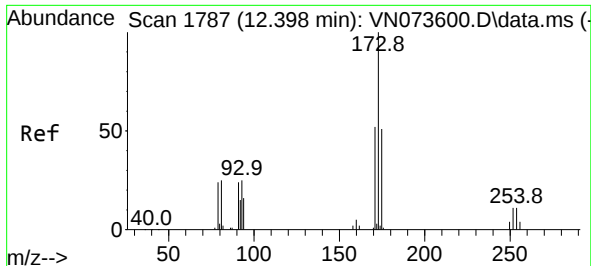
Ion Ratio Lower Upper

69 100

41 55.0 33.0 98.9

39 37.2 25.4 76.4

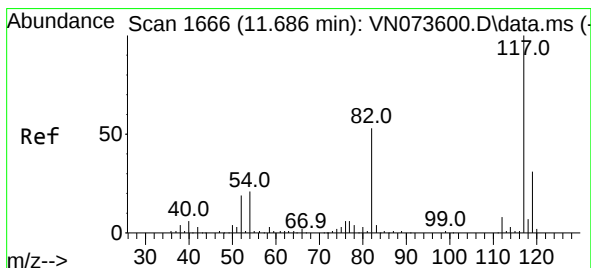
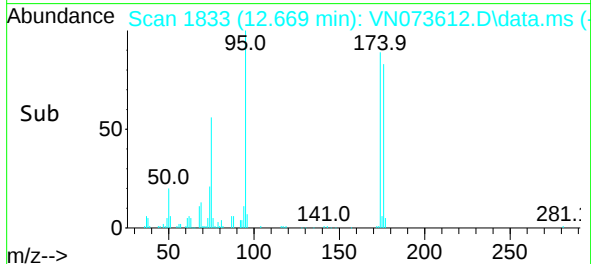
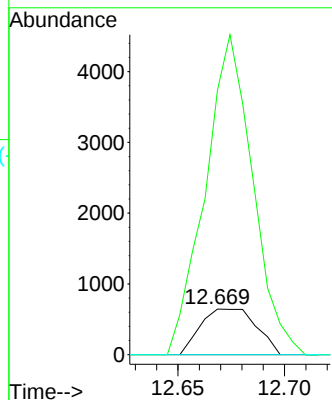
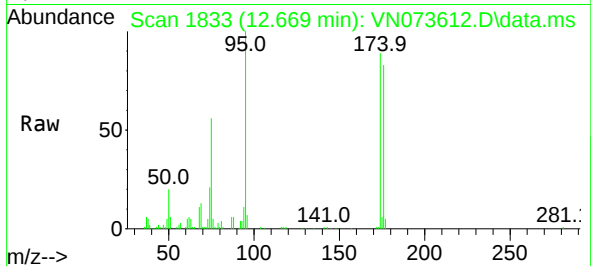




#56
Bromoform
Concen: 0.362 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073612.D
Acq: 27 Jul 2022 17:40

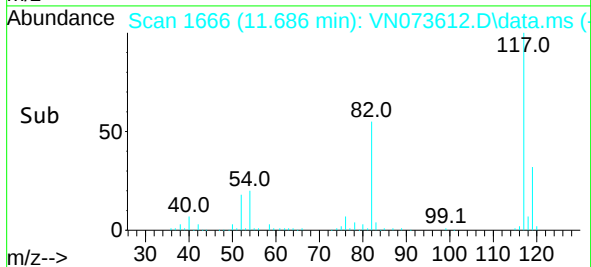
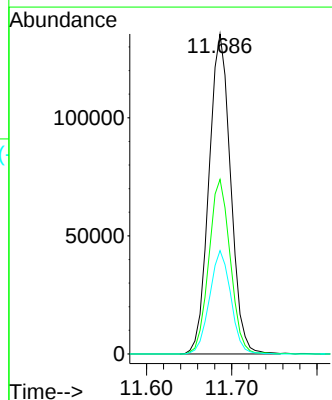
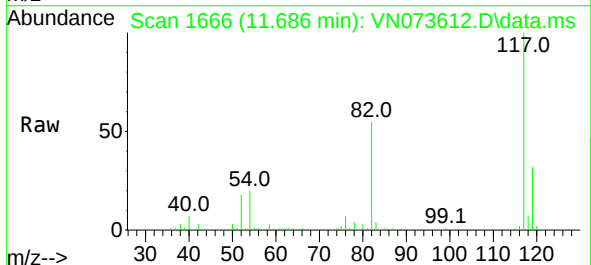
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

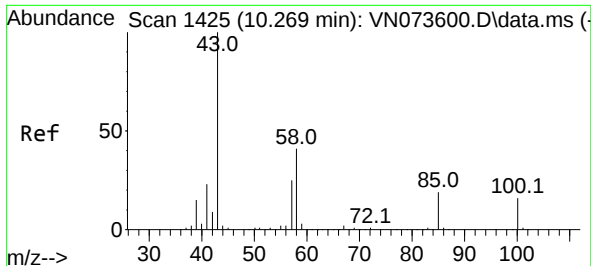
Tgt Ion:173 Resp: 1179
Ion Ratio Lower Upper
173 100
175 594.9 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073612.D
Acq: 27 Jul 2022 17:40

Tgt Ion:117 Resp: 239278
Ion Ratio Lower Upper
117 100
82 53.7 43.6 65.4
119 31.7 25.8 38.6

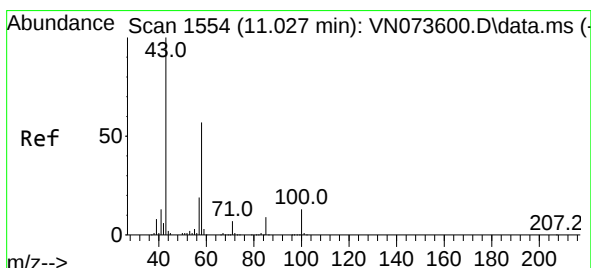
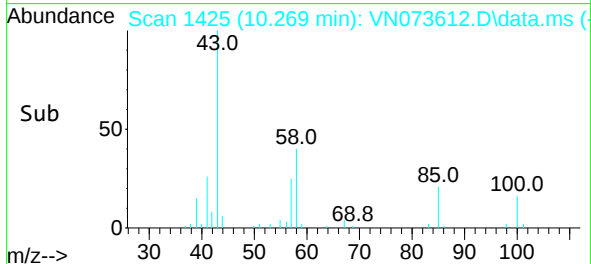
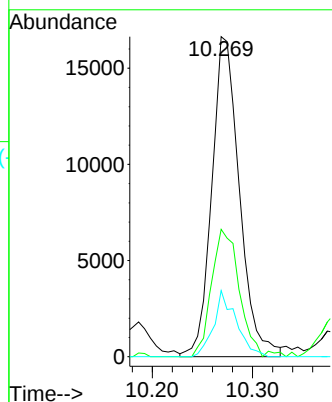
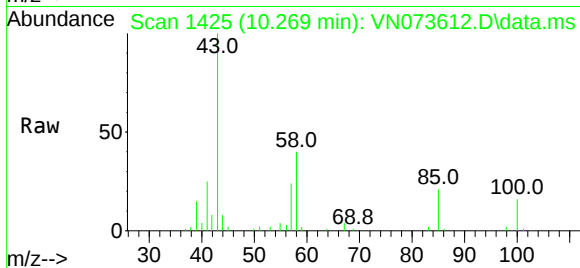




#58
4-Methyl-2-Pentanone
Concen: 5.159 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073612.D
Acq: 27 Jul 2022 17:40

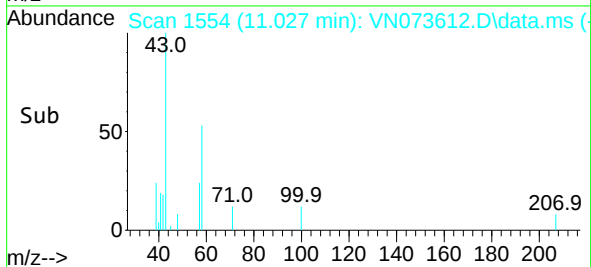
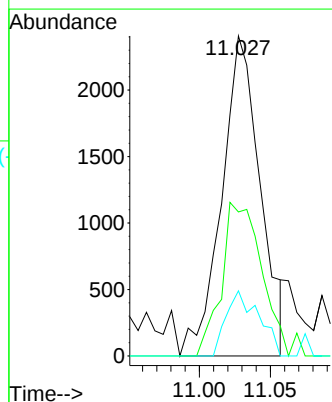
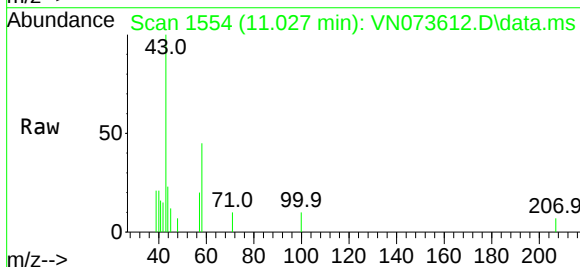
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

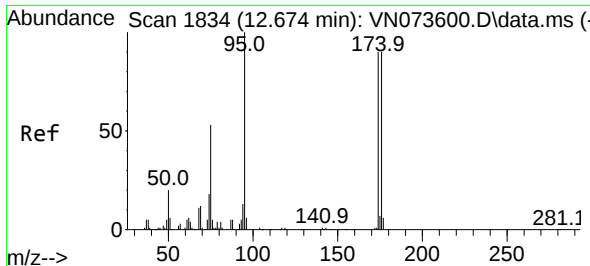
Tgt Ion: 43 Resp: 31919
Ion Ratio Lower Upper
43 100
58 39.4 30.0 45.0
85 16.8 15.0 22.6



#59
2-Hexanone
Concen: 0.954 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VN073612.D
Acq: 27 Jul 2022 17:40

Tgt Ion: 43 Resp: 4547
Ion Ratio Lower Upper
43 100
58 49.4 42.2 63.2
57 17.2 15.0 22.4

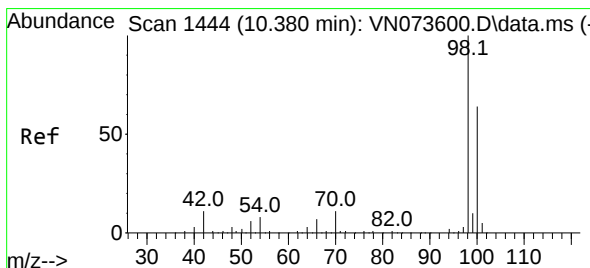
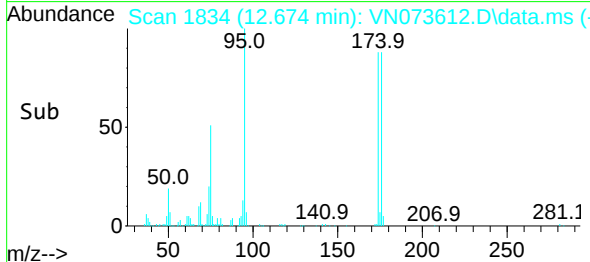
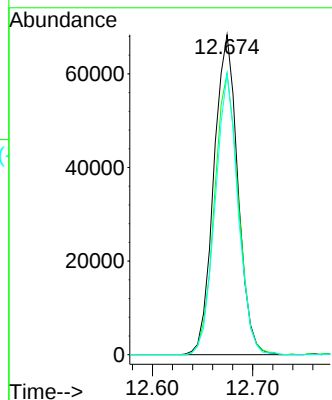
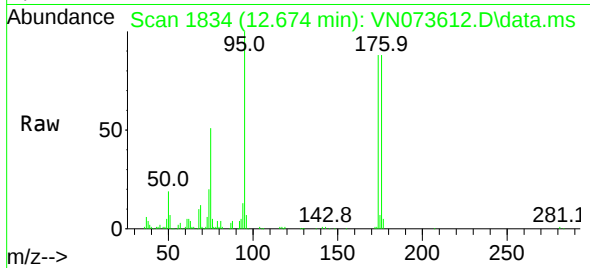




#60
4-Bromofluorobenzene
Concen: 26.848 ug/l
RT: 12.674 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073612.D
Acq: 27 Jul 2022 17:40

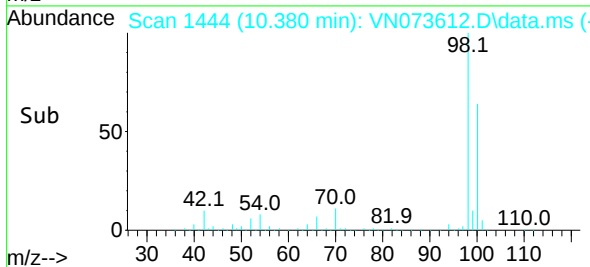
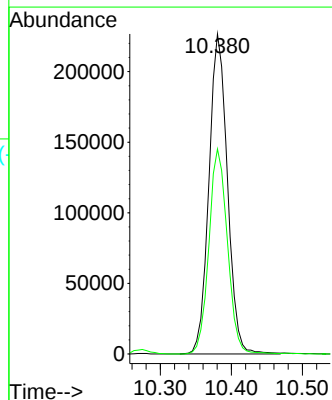
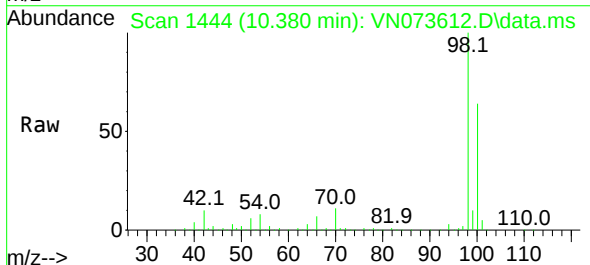
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

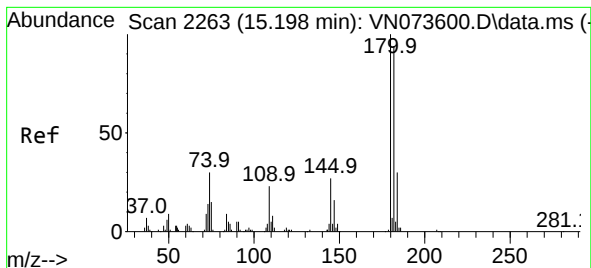
Tgt Ion: 95 Resp: 113750
Ion Ratio Lower Upper
95 100
174 87.8 62.9 94.3
176 83.6 61.0 91.4



#63
Toluene-d8
Concen: 30.431 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073612.D
Acq: 27 Jul 2022 17:40

Tgt Ion: 98 Resp: 410009
Ion Ratio Lower Upper
98 100
100 64.2 50.6 76.0





#89

1,2,4-Trichlorobenzene

Concen: 0.382 ug/l

RT: 15.204 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN073612.D

Acq: 27 Jul 2022 17:40

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

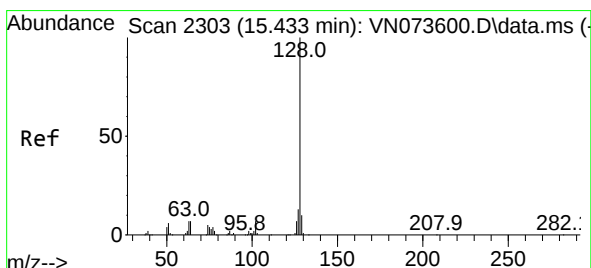
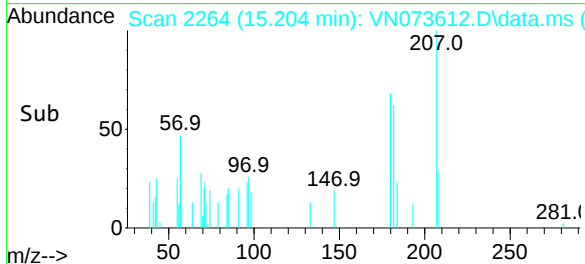
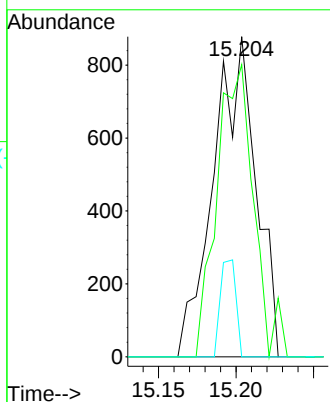
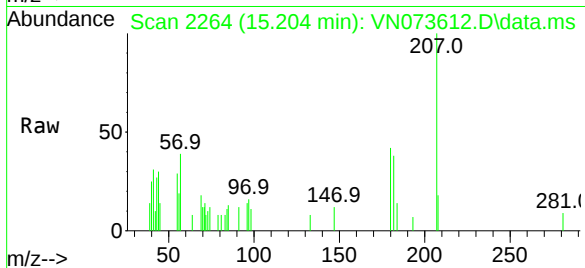
Tgt Ion:180 Resp: 1669

Ion Ratio Lower Upper

180 100

182 75.8 77.7 116.5#

145 11.1 26.6 39.8#



#91

Naphthalene

Concen: 0.609 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN073612.D

Acq: 27 Jul 2022 17:40

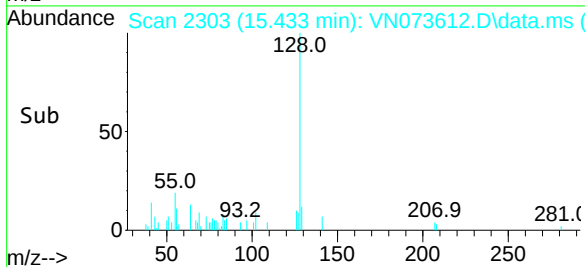
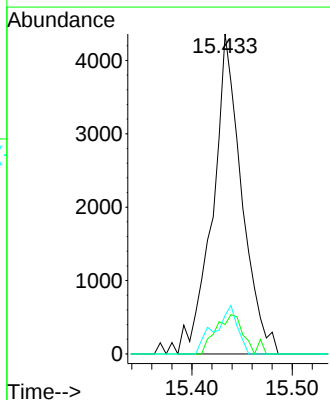
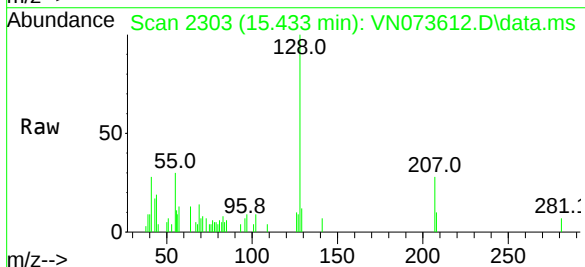
Tgt Ion:128 Resp: 8730

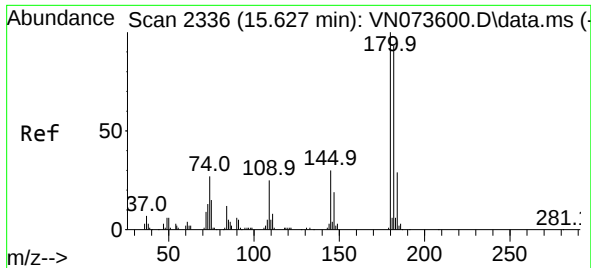
Ion Ratio Lower Upper

128 100

127 11.3 10.7 16.1

129 8.4 9.0 13.6#





#92

1,2,3-Trichlorobenzene

Concen: 0.411 ug/l

RT: 15.633 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN073612.D

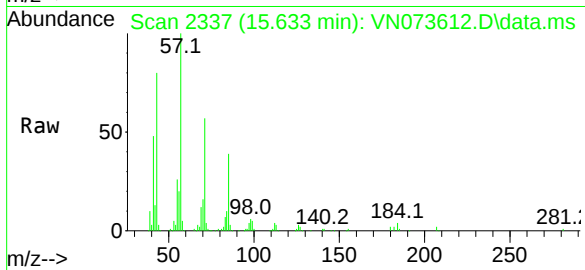
Acq: 27 Jul 2022 17:40

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW



Tgt Ion:180 Resp: 1846

Ion Ratio Lower Upper

180 100

182 173.2 0.0 190.0

145 21.0 0.0 67.8

