

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081822\
 Data File : VN074001.D
 Acq On : 18 Aug 2022 13:45
 Operator : JC\MD
 Sample : N4204-26 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14DL

Quant Time: Aug 18 21:50:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

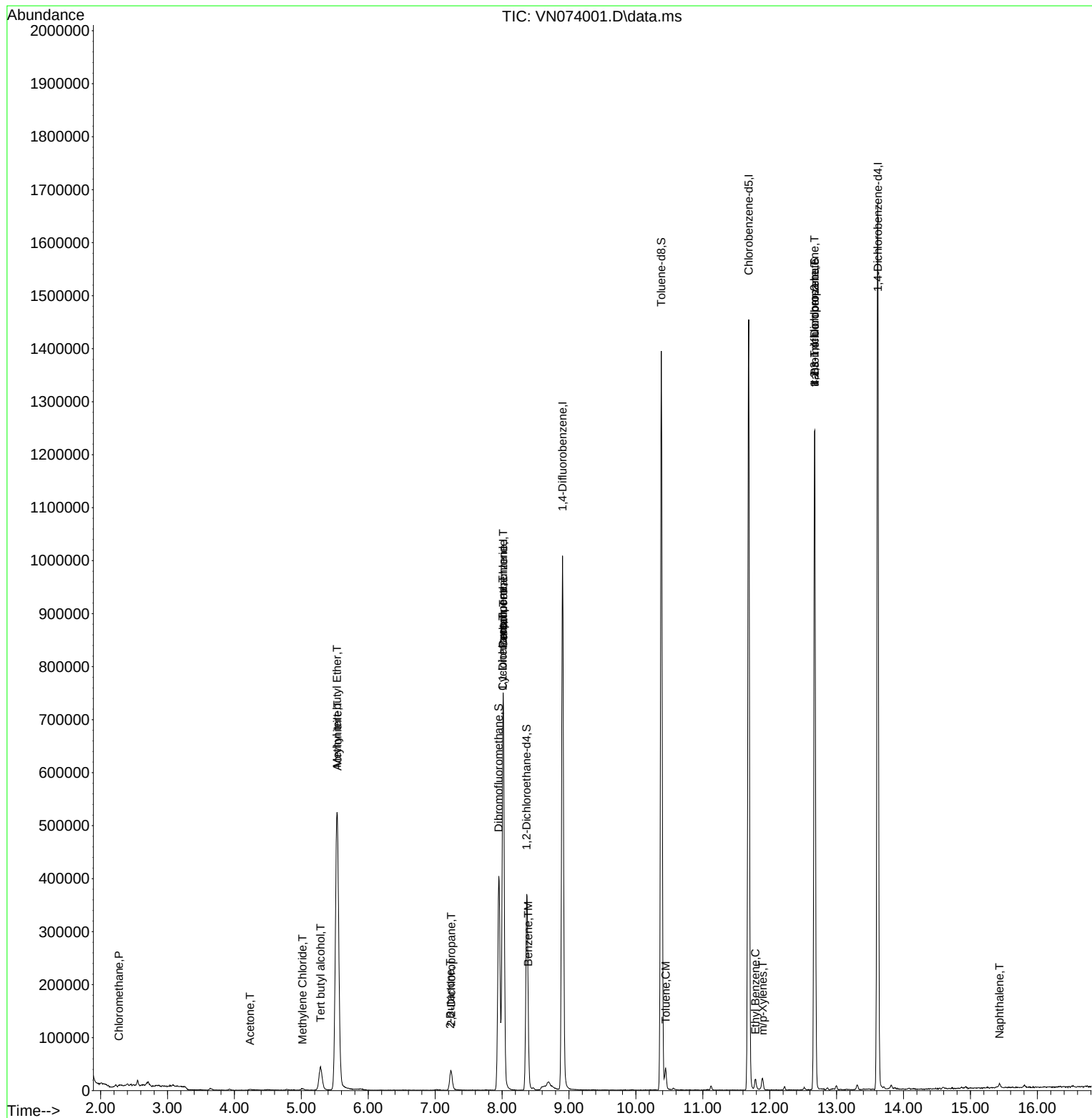
Internal Standards						
1) Pentafluorobenzene	8.016	168	640729	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	938627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	902324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	492708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	309389	49.576	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.160%
35) Dibromofluoromethane	7.951	113	299726	53.996	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.000%
50) Toluene-d8	10.380	98	989764	46.039	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.080%
62) 4-Bromofluorobenzene	12.674	95	425198	59.594	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	119.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.275	50	1209	0.214	ug/l #	83
11) Tert butyl alcohol	5.287	59	80111	57.389	ug/l	99
15) Acrylonitrile	5.540	53	9637	2.828	ug/l #	19
16) Acetone	4.234	43	3255	1.106	ug/l	93
18) Methyl Acetate	4.787	43	3129	Below Cal	#	73
19) Methyl tert-butyl Ether	5.534	73	952046	52.274	ug/l	97
20) Methylene Chloride	5.016	84	2642	0.425	ug/l #	62
25) 2-Butanone	7.228	43	2090	0.448	ug/l #	45
26) 2,2-Dichloropropane	7.239	77	2629	0.283	ug/l #	53
31) Cyclohexane	8.010	56	9974	1.146	ug/l #	13
36) 1,1-Dichloropropene	8.010	75	40538	5.258	ug/l #	49
38) Carbon Tetrachloride	8.016	117	55285	6.273	ug/l #	16
40) Benzene	8.392	78	13235	0.544	ug/l #	86
52) Toluene	10.445	92	14677	0.880	ug/l	98
67) Ethyl Benzene	11.786	91	13957	0.438	ug/l	90
68) m/p-Xylenes	11.898	106	7624	0.588	ug/l	89
76) 1,2,3-Trichloropropane	12.669	75	205666	20.083	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	205666	57.119	ug/l #	10
95) Naphthalene	15.433	128	7424	0.215	ug/l	97

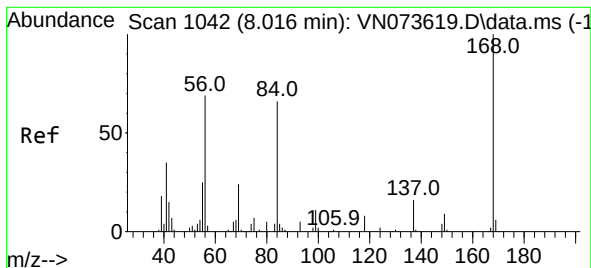
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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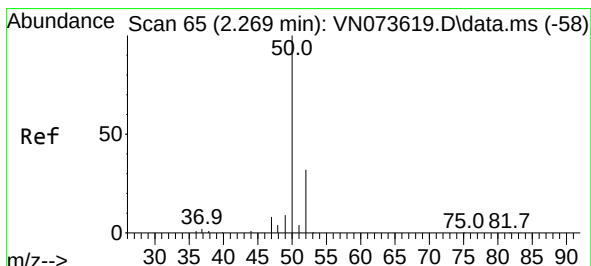
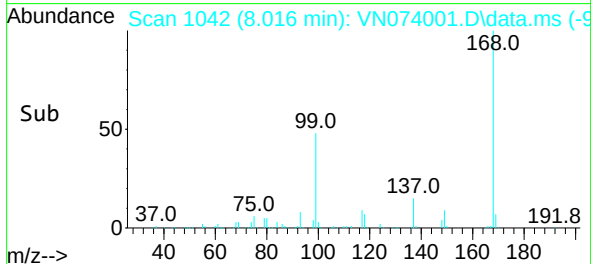
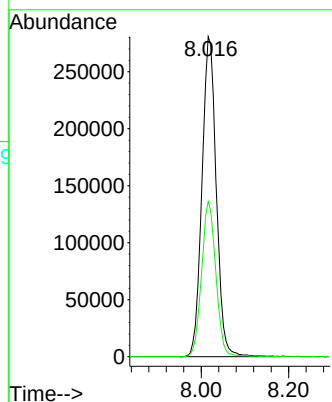
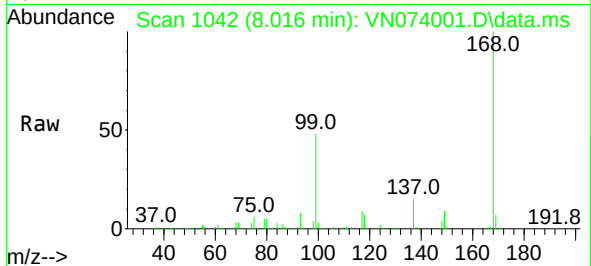




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074001.D
Acq: 18 Aug 2022 13:45

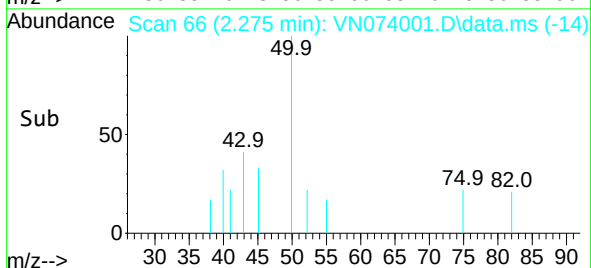
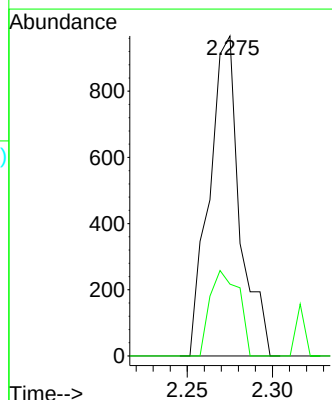
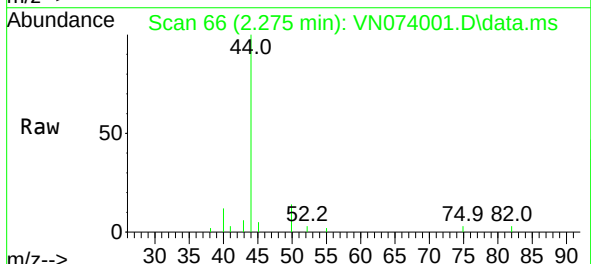
Instrument :
MSVOA_N
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MW-14DL

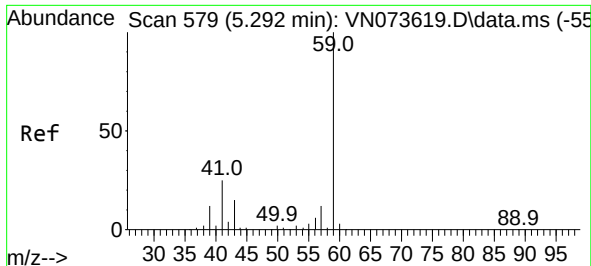
Tgt Ion:168 Resp: 640729
Ion Ratio Lower Upper
168 100
99 48.5 42.3 63.5



#3
Chloromethane
Concen: 0.214 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.006 min
Lab File: VN074001.D
Acq: 18 Aug 2022 13:45

Tgt Ion: 50 Resp: 1209
Ion Ratio Lower Upper
50 100
52 22.4 25.7 38.5#

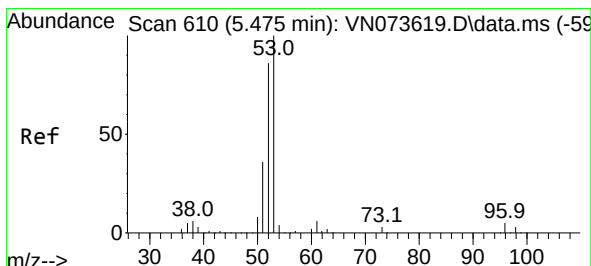
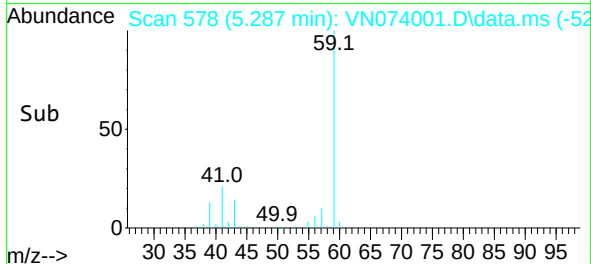
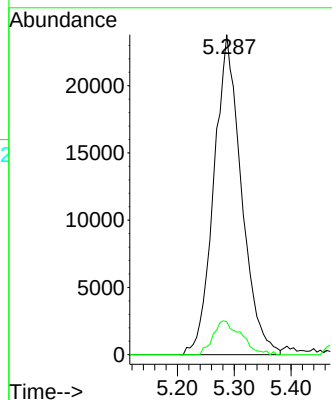
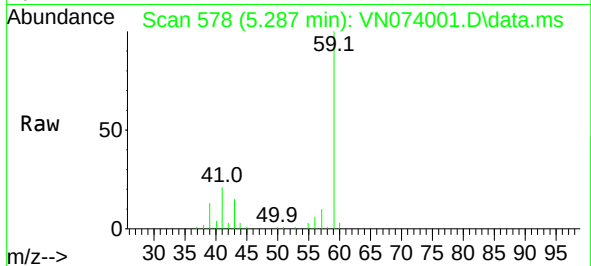




#11
Tert butyl alcohol
Concen: 57.389 ug/l
RT: 5.287 min Scan# 51
Delta R.T. -0.005 min
Lab File: VN074001.D
Acq: 18 Aug 2022 13:45

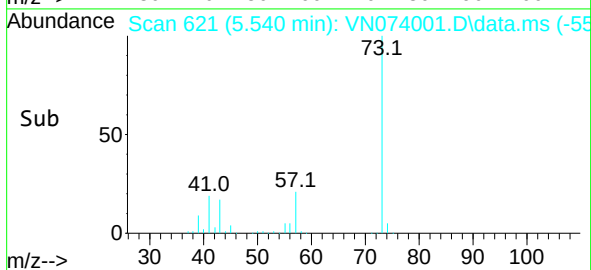
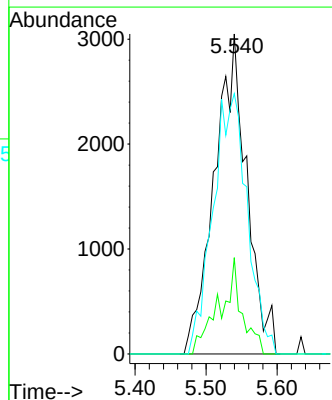
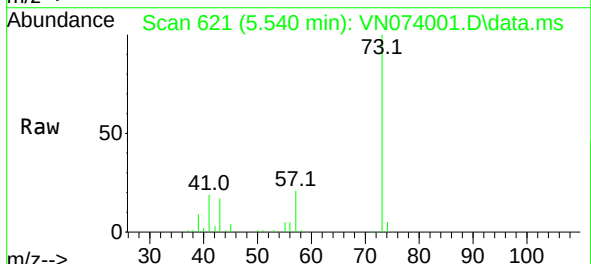
Instrument :
MSVOA_N
ClientSampleId :
MW-14DL

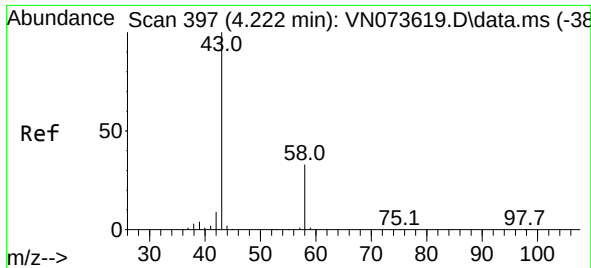
Tgt Ion: 59 Resp: 80111
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5



#15
Acrylonitrile
Concen: 2.828 ug/l
RT: 5.540 min Scan# 621
Delta R.T. 0.065 min
Lab File: VN074001.D
Acq: 18 Aug 2022 13:45

Tgt Ion: 53 Resp: 9637
Ion Ratio Lower Upper
53 100
52 12.9 66.4 99.6#
51 86.4 28.5 42.7#





#16

Acetone

Concen: 1.106 ug/l

RT: 4.234 min Scan# 397

Delta R.T. 0.012 min

Lab File: VN074001.D

Acq: 18 Aug 2022 13:45

Instrument :

MSVOA_N

ClientSampleId :

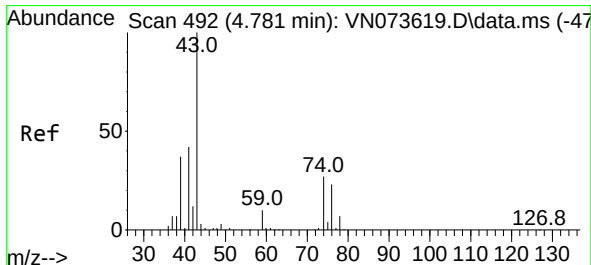
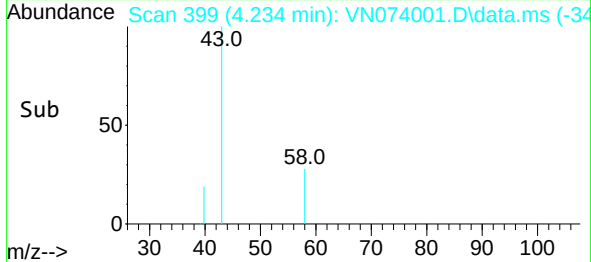
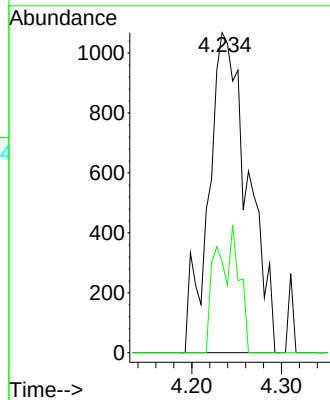
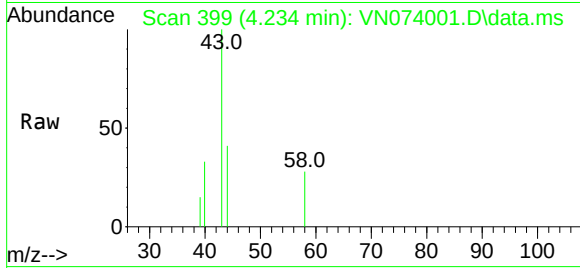
MW-14DL

Tgt Ion: 43 Resp: 3255

Ion Ratio Lower Upper

43 100

58 28.4 26.0 39.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.787 min Scan# 493

Delta R.T. 0.006 min

Lab File: VN074001.D

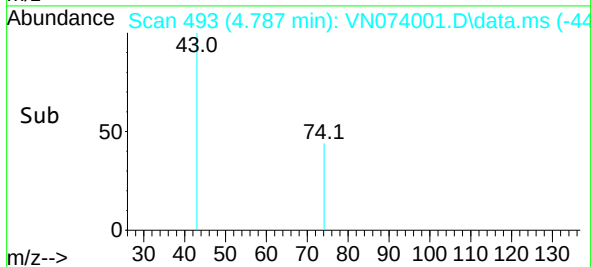
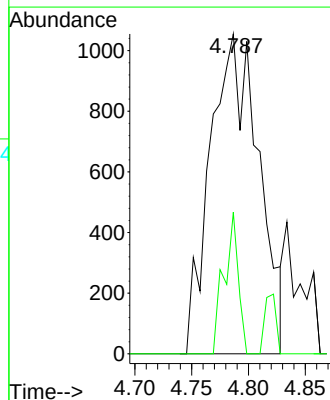
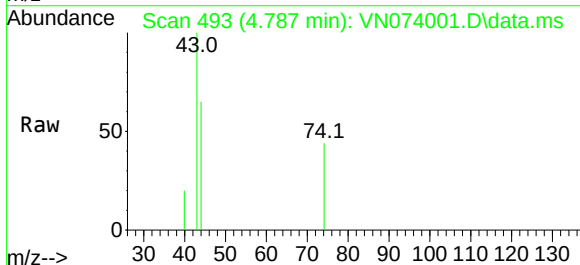
Acq: 18 Aug 2022 13:45

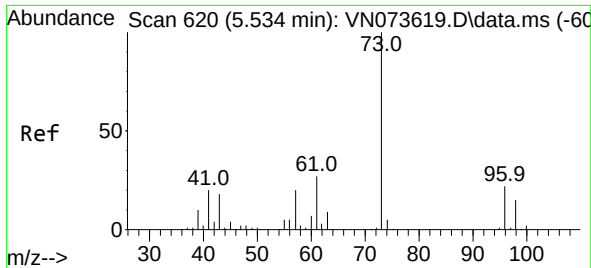
Tgt Ion: 43 Resp: 3129

Ion Ratio Lower Upper

43 100

74 13.1 21.6 32.4#

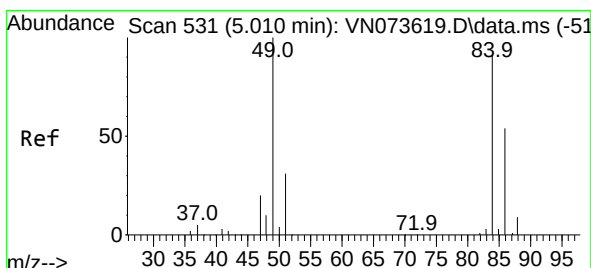
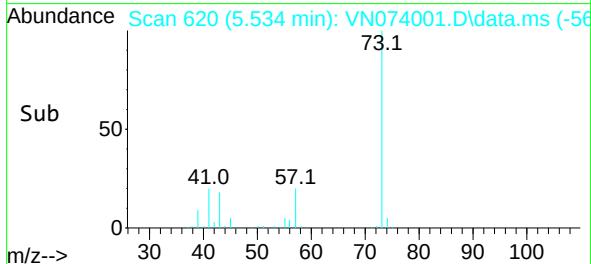
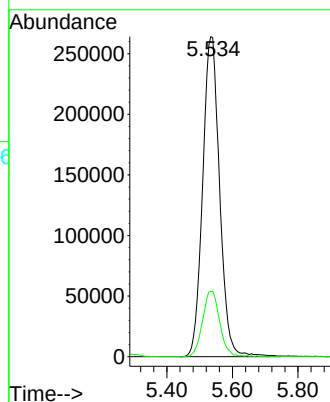
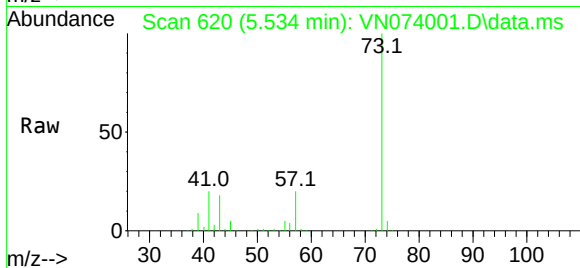




#19
Methyl tert-butyl Ether
Concen: 52.274 ug/l
RT: 5.534 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN074001.D
Acq: 18 Aug 2022 13:45

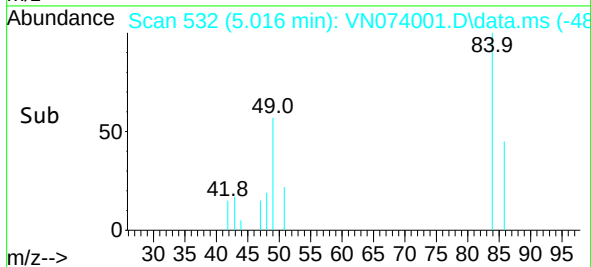
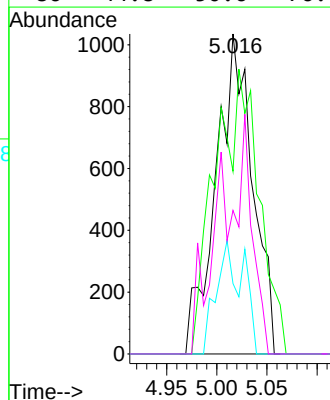
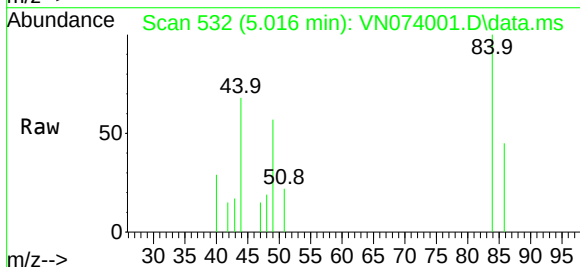
Instrument :
MSVOA_N
ClientSampleId :
MW-14DL

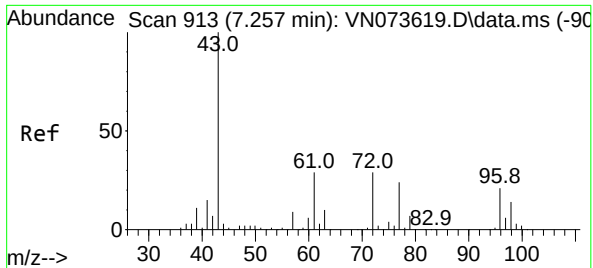
Tgt Ion: 73 Resp: 952046
Ion Ratio Lower Upper
73 100
57 20.4 17.6 26.4



#20
Methylene Chloride
Concen: 0.425 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN074001.D
Acq: 18 Aug 2022 13:45

Tgt Ion: 84 Resp: 2642
Ion Ratio Lower Upper
84 100
49 57.1 88.3 132.5#
51 22.0 28.2 42.2#
86 44.8 50.6 76.0#





#25

2-Butanone

Concen: 0.448 ug/l

RT: 7.228 min Scan# 90

Delta R.T. -0.029 min

Lab File: VN074001.D

Acq: 18 Aug 2022 13:45

Instrument :

MSVOA_N

ClientSampleId :

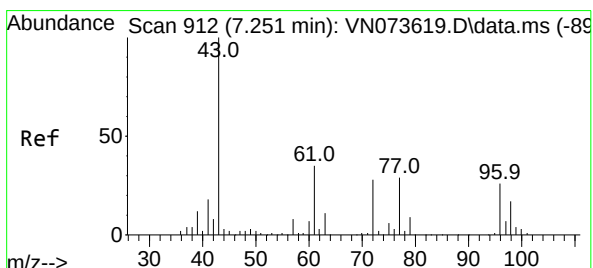
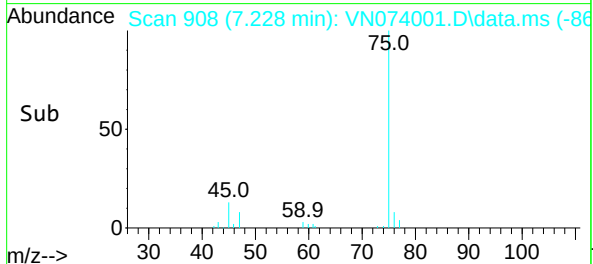
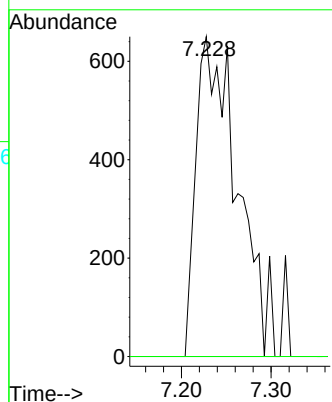
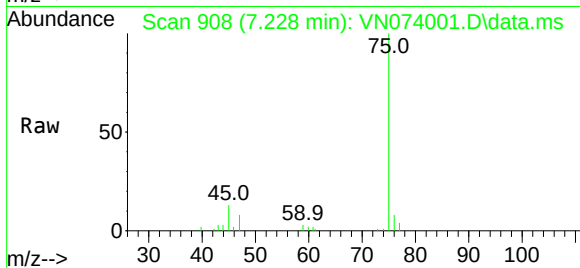
MW-14DL

Tgt Ion: 43 Resp: 2090

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 0.283 ug/l

RT: 7.239 min Scan# 910

Delta R.T. -0.012 min

Lab File: VN074001.D

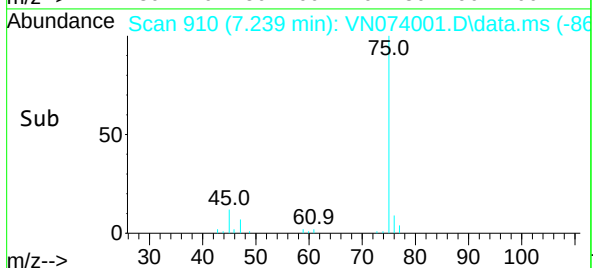
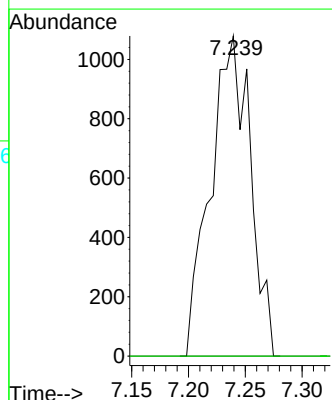
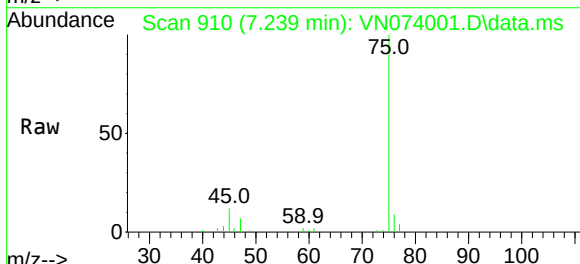
Acq: 18 Aug 2022 13:45

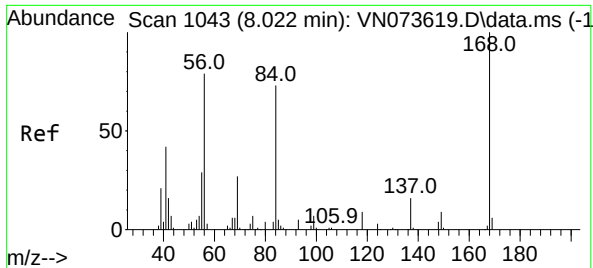
Tgt Ion: 77 Resp: 2629

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#

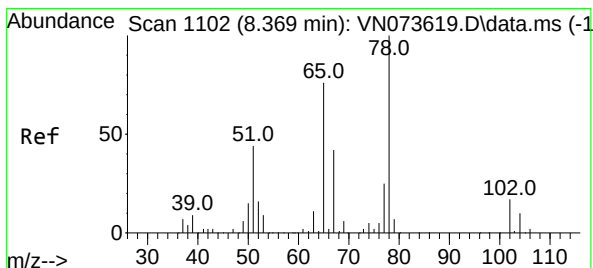
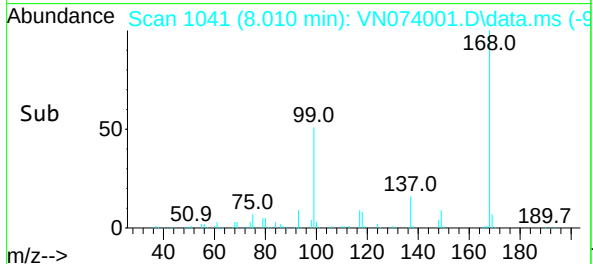
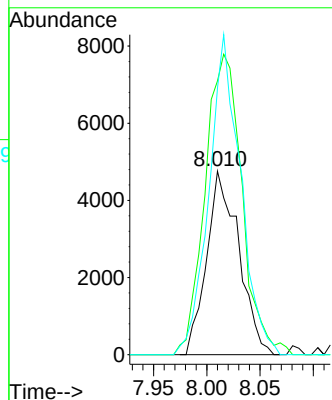
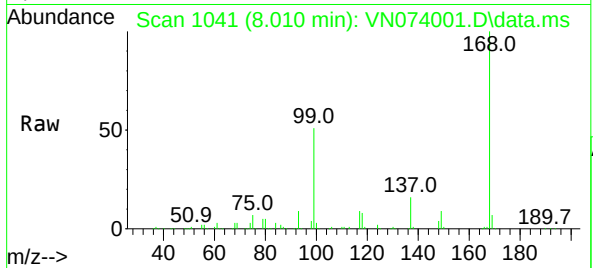




#31
Cyclohexane
Concen: 1.146 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN074001.D
Acq: 18 Aug 2022 13:45

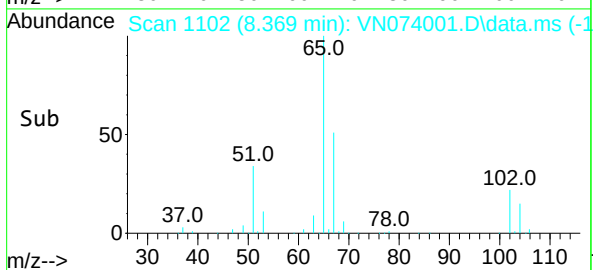
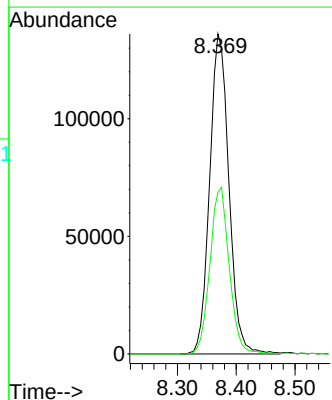
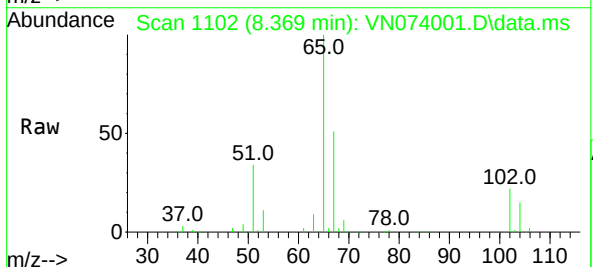
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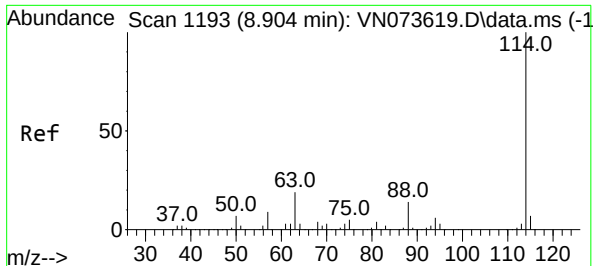
Tgt Ion: 56 Resp: 9974
Ion Ratio Lower Upper
56 100
69 143.9 27.8 41.8#
84 145.2 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 49.576 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074001.D
Acq: 18 Aug 2022 13:45

Tgt Ion: 65 Resp: 309389
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074001.D

Acq: 18 Aug 2022 13:45

Instrument :

MSVOA_N

ClientSampleId :

MW-14DL

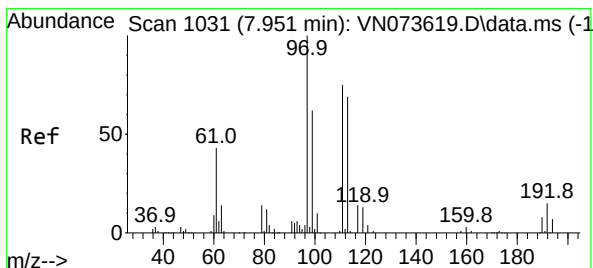
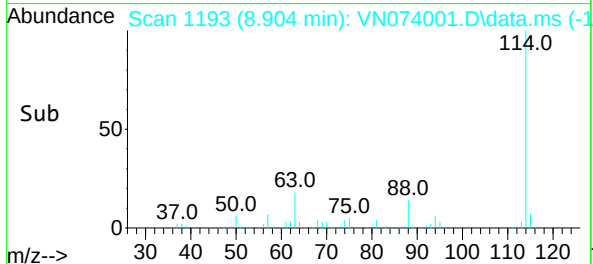
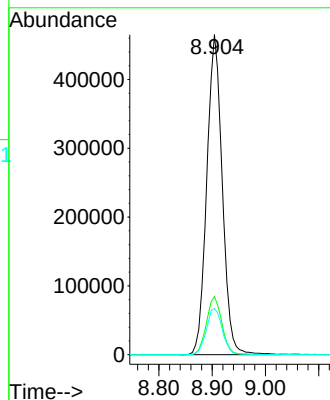
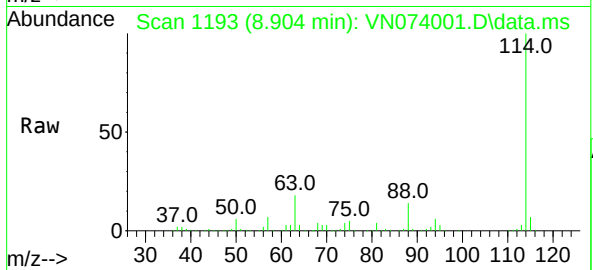
Tgt Ion:114 Resp: 938627

Ion Ratio Lower Upper

114 100

63 18.1 0.0 40.0

88 14.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.996 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074001.D

Acq: 18 Aug 2022 13:45

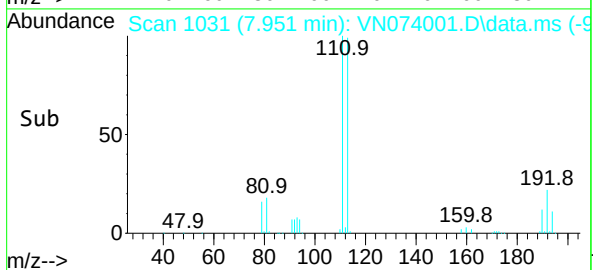
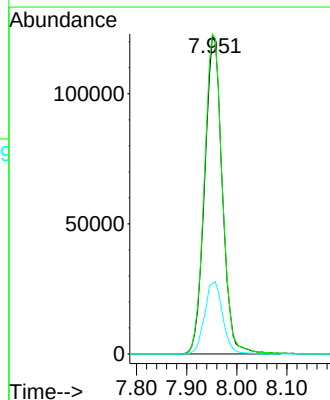
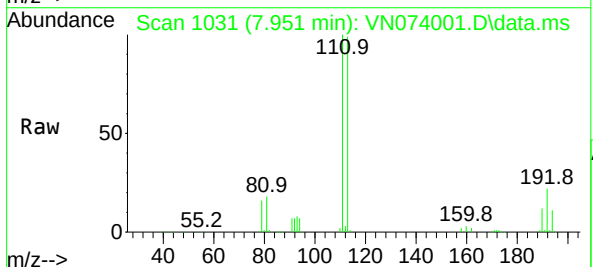
Tgt Ion:113 Resp: 299726

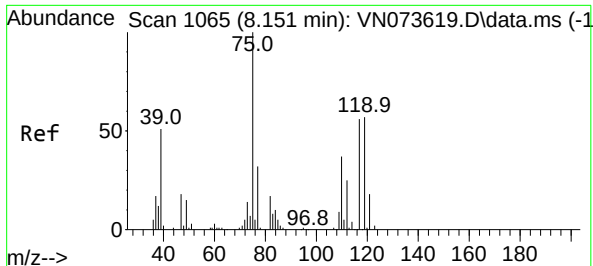
Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 23.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.258 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.141 min

Lab File: VN074001.D

Acq: 18 Aug 2022 13:45

Instrument :

MSVOA_N

ClientSampleId :

MW-14DL

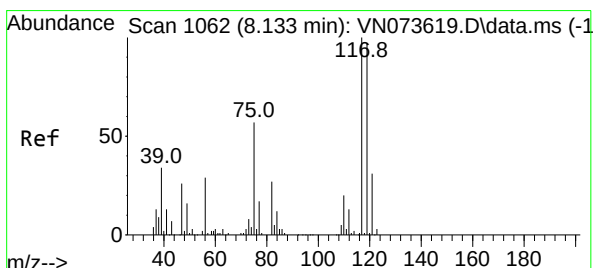
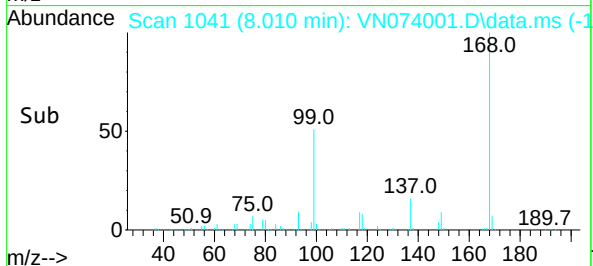
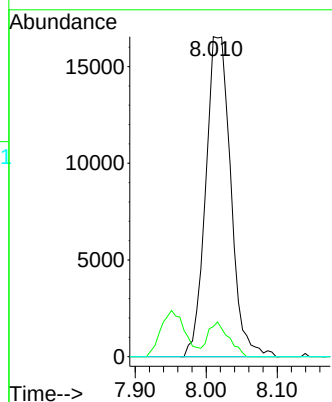
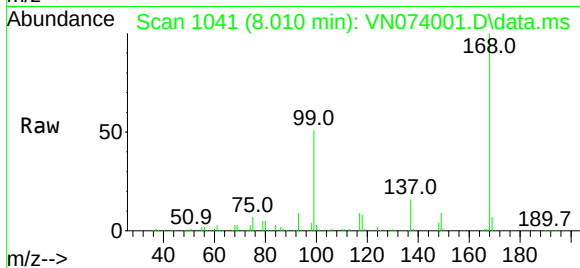
Tgt Ion: 75 Resp: 40538

Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.273 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.117 min

Lab File: VN074001.D

Acq: 18 Aug 2022 13:45

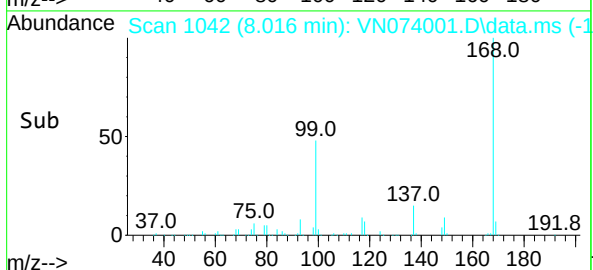
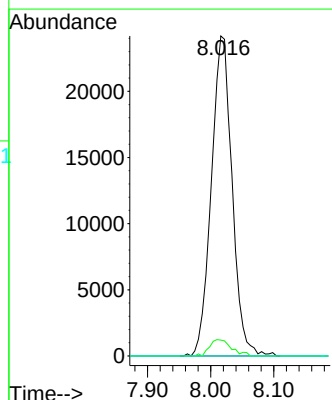
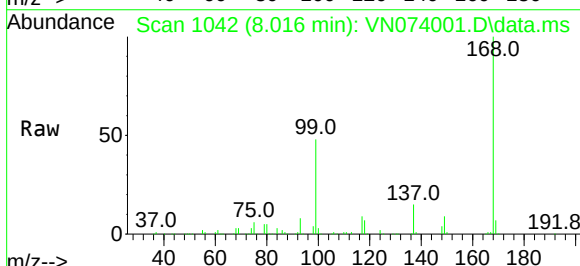
Tgt Ion: 117 Resp: 55285

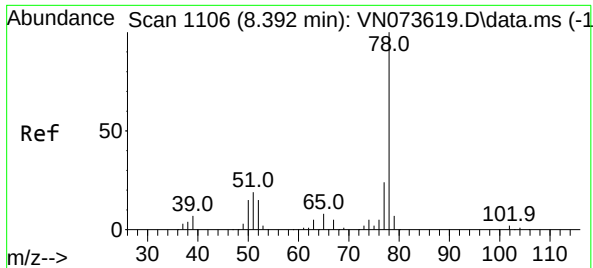
Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.8#

121 0.0 24.6 37.0#

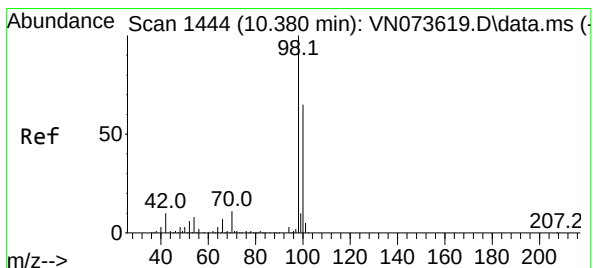
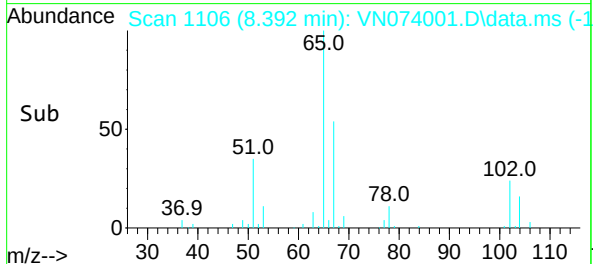
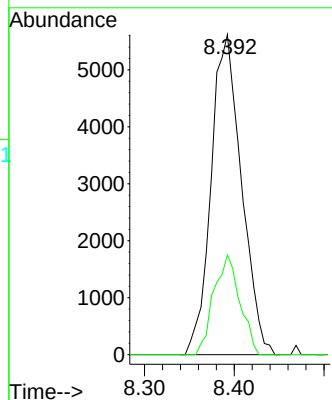
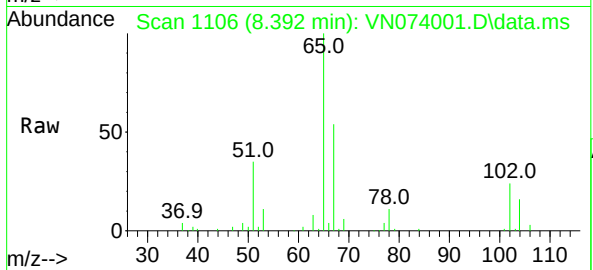




#40
Benzene
Concen: 0.544 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN074001.D
Acq: 18 Aug 2022 13:45

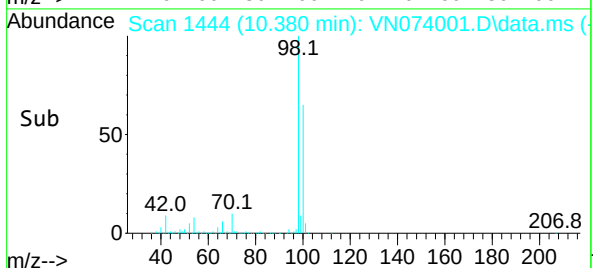
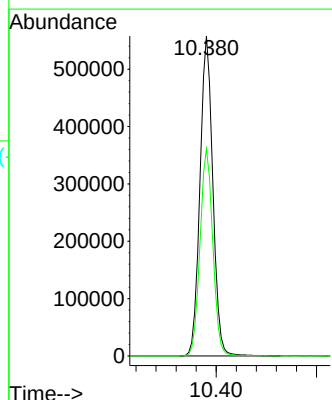
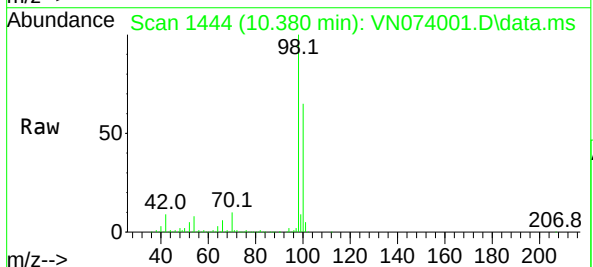
Instrument :
MSVOA_N
ClientSampleId :
MW-14DL

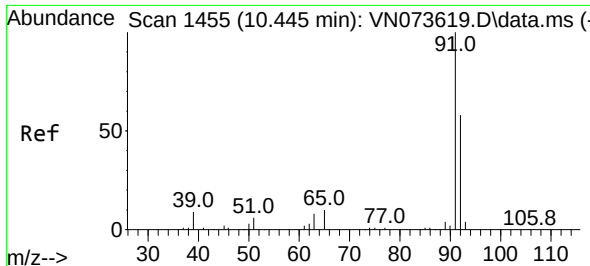
Tgt Ion: 78 Resp: 13235
Ion Ratio Lower Upper
78 100
77 31.2 19.4 29.0#



#50
Toluene-d8
Concen: 46.039 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074001.D
Acq: 18 Aug 2022 13:45

Tgt Ion: 98 Resp: 989764
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

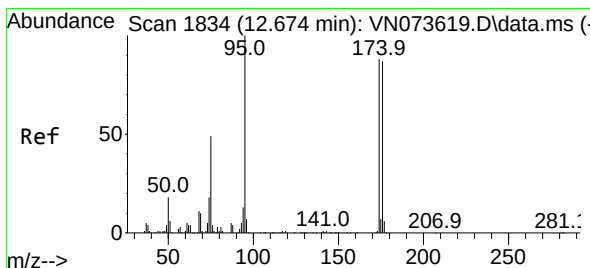
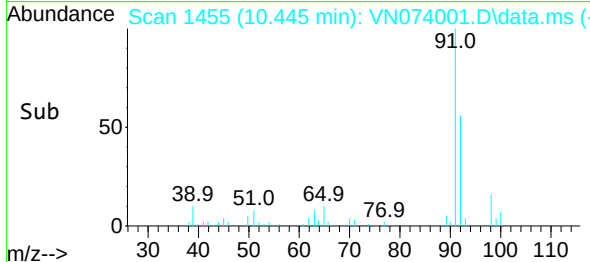
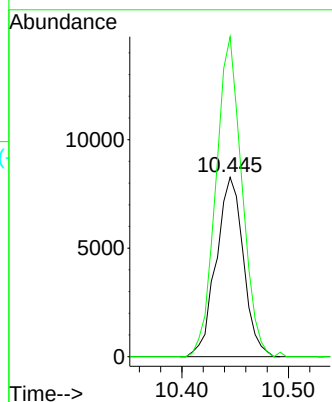
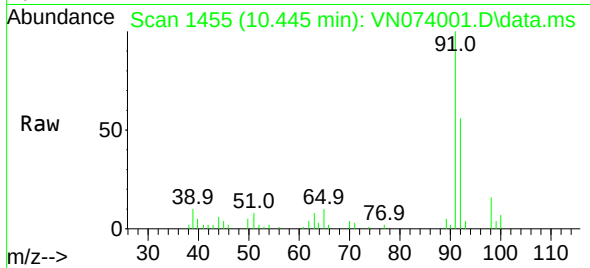




#52
Toluene
Concen: 0.880 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074001.D
Acq: 18 Aug 2022 13:45

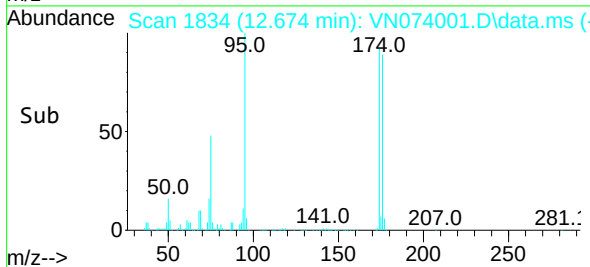
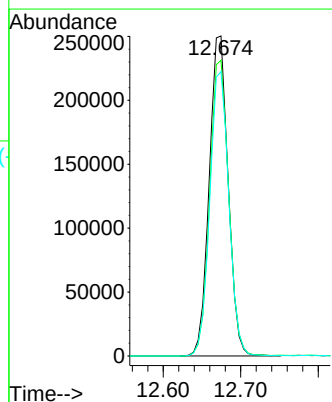
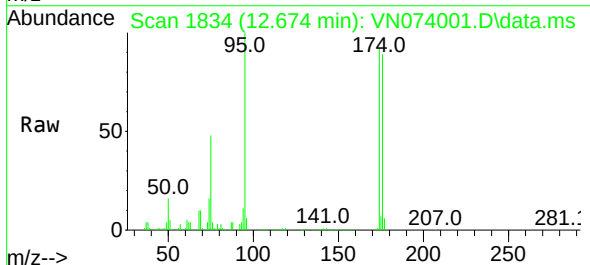
Instrument :
MSVOA_N
ClientSampleId :
MW-14DL

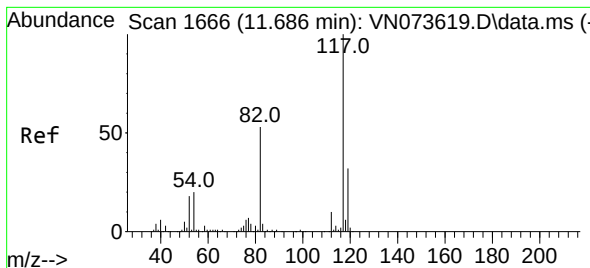
Tgt Ion: 92 Resp: 14677
Ion Ratio Lower Upper
92 100
91 170.8 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 59.594 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074001.D
Acq: 18 Aug 2022 13:45

Tgt Ion: 95 Resp: 425198
Ion Ratio Lower Upper
95 100
174 92.6 0.0 167.6
176 89.4 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074001.D

Acq: 18 Aug 2022 13:45

Instrument :

MSVOA_N

ClientSampleId :

MW-14DL

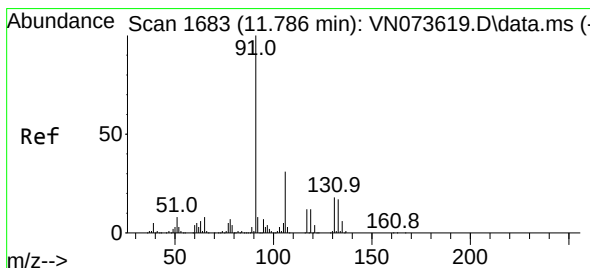
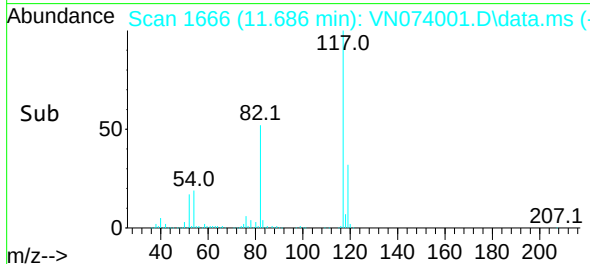
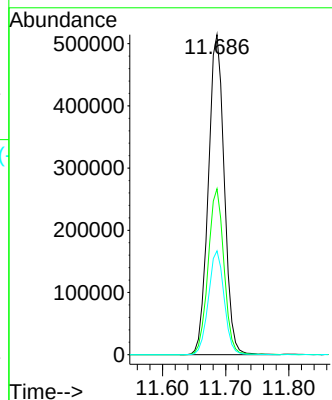
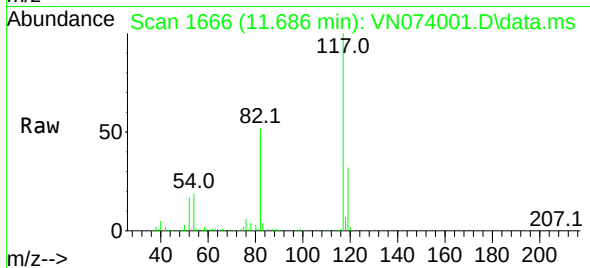
Tgt Ion:117 Resp: 902324

Ion Ratio Lower Upper

117 100

82 51.8 44.2 66.2

119 32.4 25.4 38.0



#67

Ethyl Benzene

Concen: 0.438 ug/l

RT: 11.786 min Scan# 1683

Delta R.T. 0.000 min

Lab File: VN074001.D

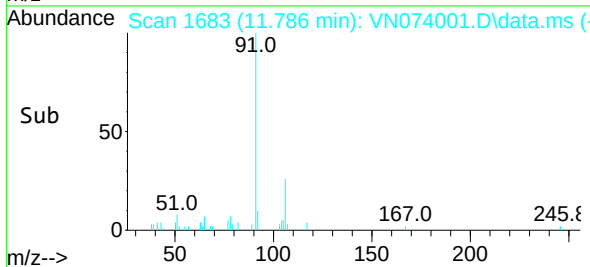
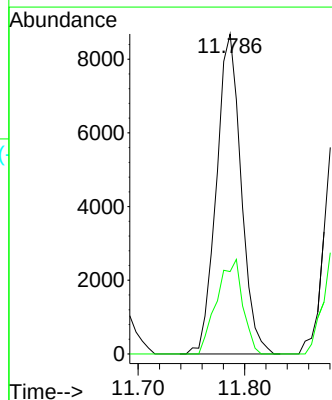
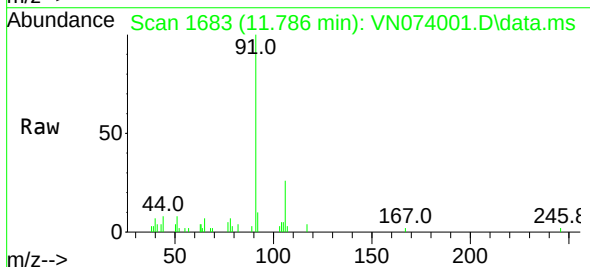
Acq: 18 Aug 2022 13:45

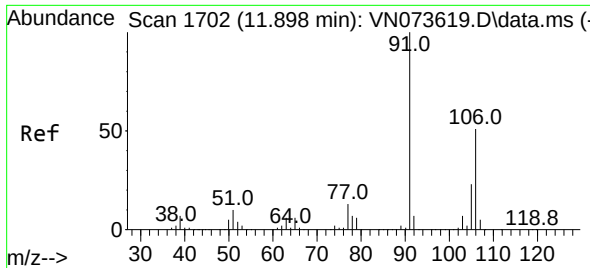
Tgt Ion: 91 Resp: 13957

Ion Ratio Lower Upper

91 100

106 25.8 24.9 37.3

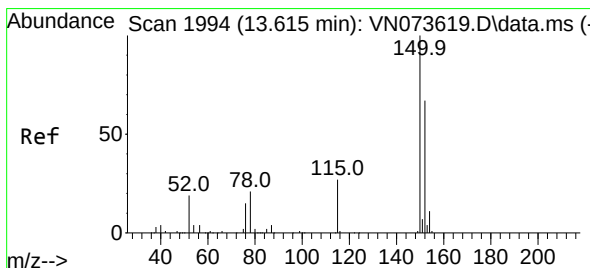
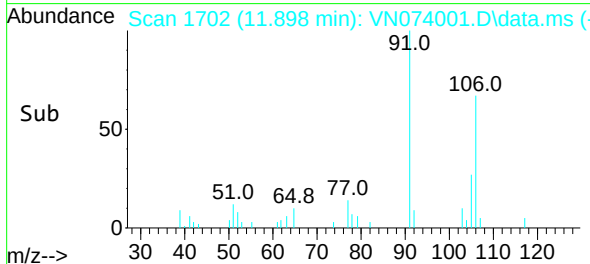
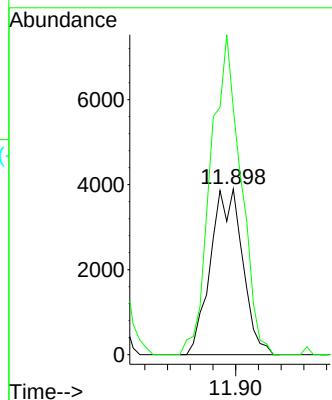
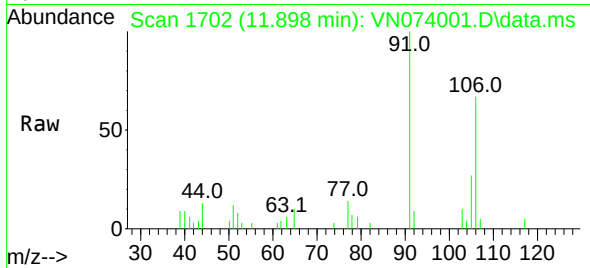




#68
m/p-Xylenes
Concen: 0.588 ug/l
RT: 11.898 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074001.D
Acq: 18 Aug 2022 13:45

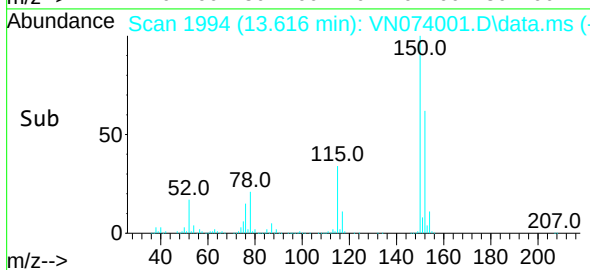
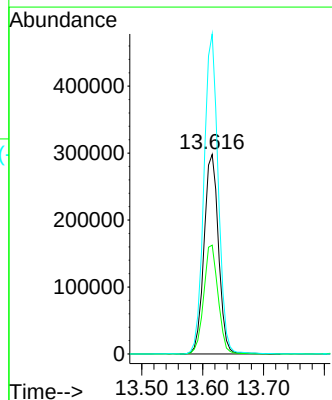
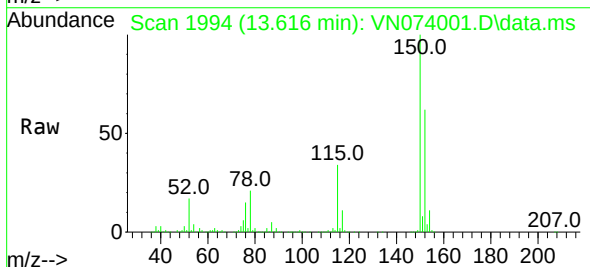
Instrument :
MSVOA_N
ClientSampleId :
MW-14DL

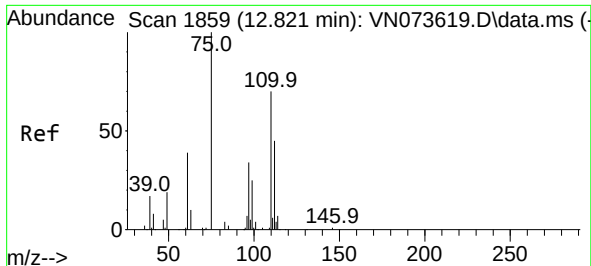
Tgt Ion:106 Resp: 7624
Ion Ratio Lower Upper
106 100
91 181.3 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074001.D
Acq: 18 Aug 2022 13:45

Tgt Ion:152 Resp: 492708
Ion Ratio Lower Upper
152 100
115 54.2 28.9 86.7
150 157.8 0.0 356.2

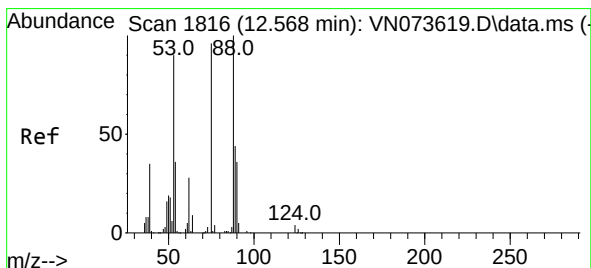
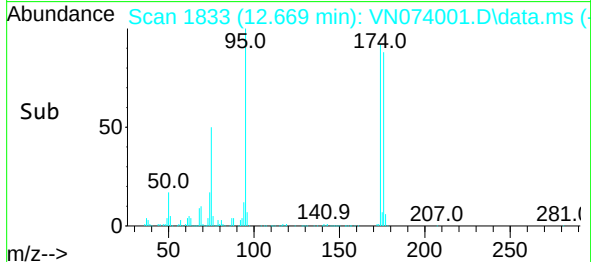
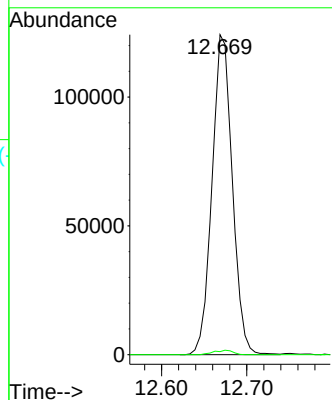
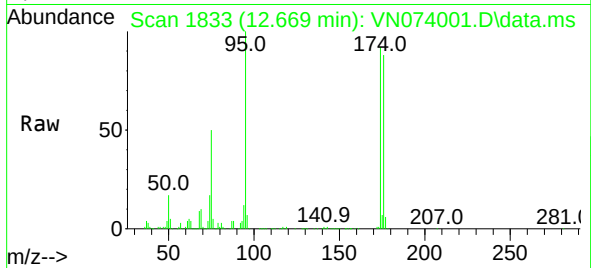




#76
1,2,3-Trichloropropane
Concen: 20.083 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN074001.D
Acq: 18 Aug 2022 13:45

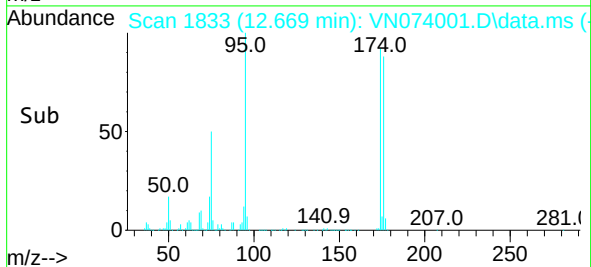
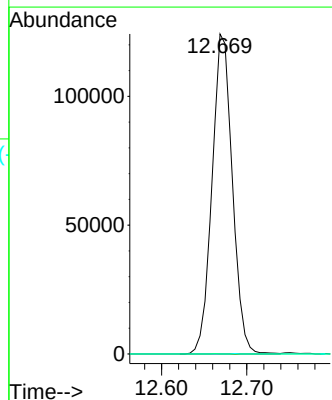
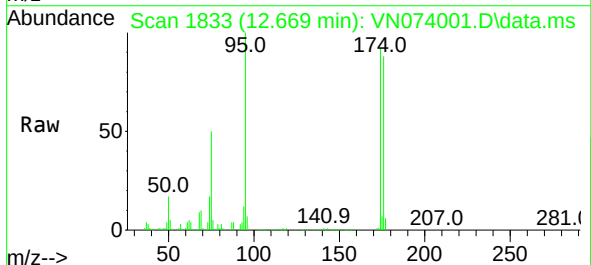
Instrument :
MSVOA_N
ClientSampleId :
MW-14DL

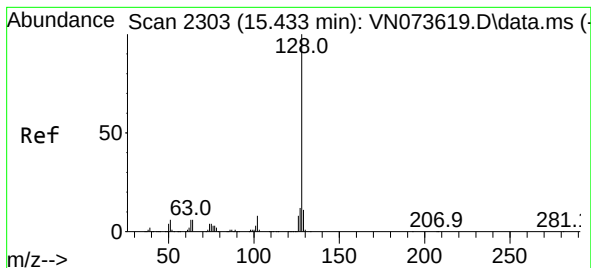
Tgt Ion: 75 Resp: 205666
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.119 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.101 min
Lab File: VN074001.D
Acq: 18 Aug 2022 13:45

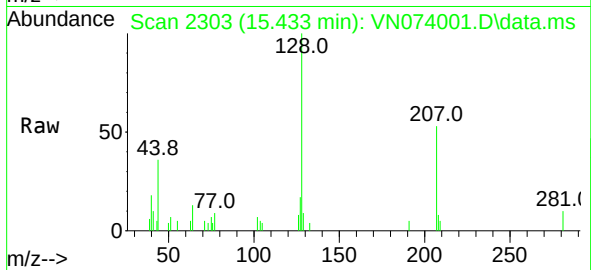
Tgt Ion: 75 Resp: 205666
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 0.215 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN074001.D
Acq: 18 Aug 2022 13:45

Instrument :
MSVOA_N
ClientSampleId :
MW-14DL



Tgt Ion:	128	Resp:	7424
Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.3	15.5
129	10.1	8.6	13.0

