

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010323\
 Data File : VN076066.D
 Acq On : 03 Jan 2023 16:15
 Operator : JC\MD
 Sample : N6232-04DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13DL

Quant Time: Jan 04 04:19:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

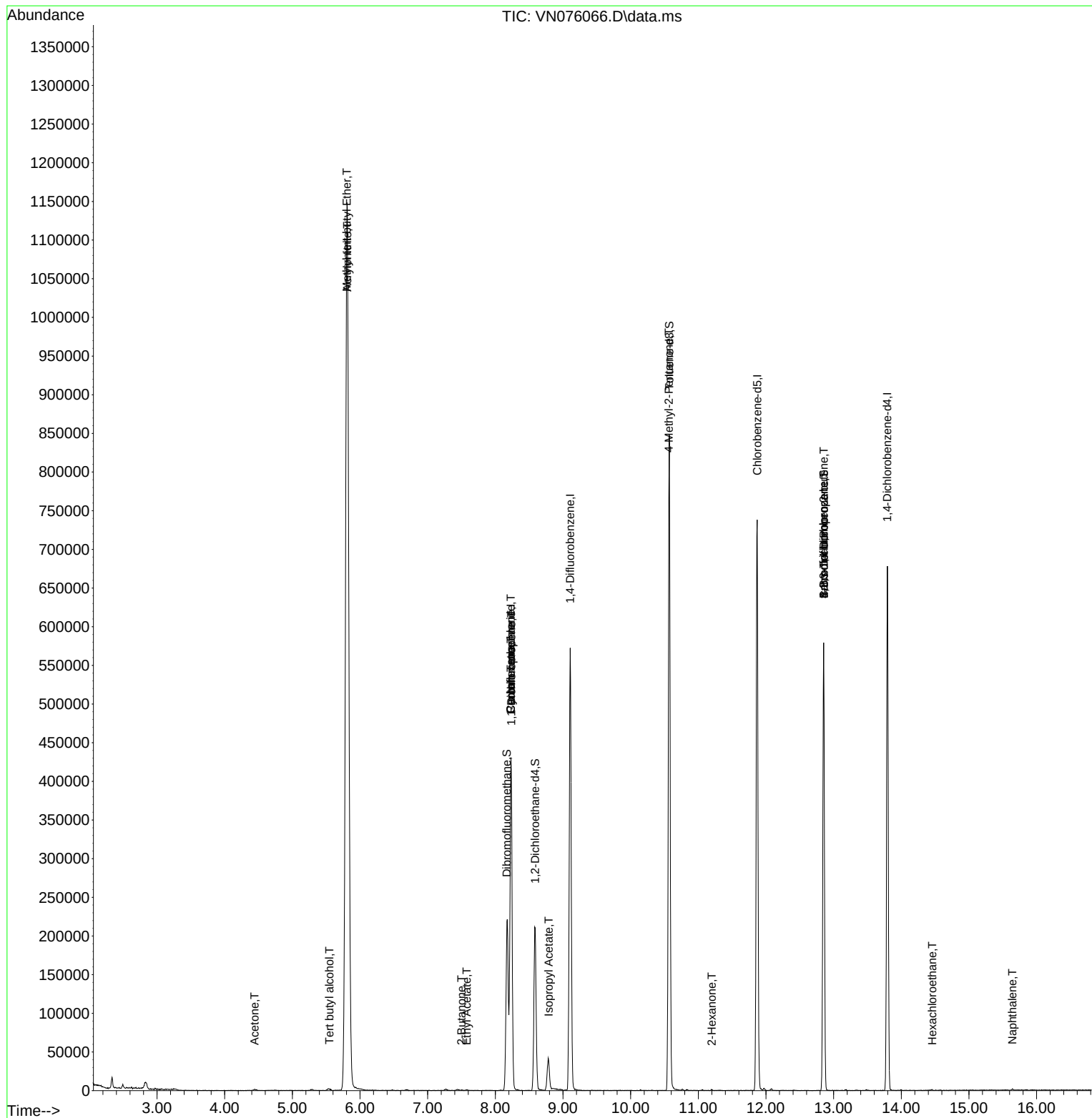
Internal Standards						
1) Pentafluorobenzene	8.230	168	332402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	528836	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	459165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	194181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	171582	47.448	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.900%
35) Dibromofluoromethane	8.171	113	158830	48.498	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.000%
50) Toluene-d8	10.571	98	601777	49.145	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.300%
62) 4-Bromofluorobenzene	12.853	95	191390	47.191	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.380%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.547	59	4218	8.243	ug/l #	72
15) Acrylonitrile	5.812	53	20541	14.710	ug/l #	29
16) Acetone	4.442	43	833	0.668	ug/l #	76
19) Methyl tert-butyl Ether	5.806	73	2069631	213.330	ug/l	97
20) Methylene Chloride	5.300	84	1154	Below Cal	#	78
25) 2-Butanone	7.500	43	1211	0.694	ug/l	90
31) Cyclohexane	8.230	56	6530	1.261	ug/l #	10
36) 1,1-Dichloropropene	8.236	75	23793	5.469	ug/l #	51
37) Ethyl Acetate	7.577	43	1668	0.477	ug/l #	82
38) Carbon Tetrachloride	8.230	117	31427	6.454	ug/l #	17
43) Isopropyl Acetate	8.788	43	13329	2.312	ug/l #	25
51) 4-Methyl-2-Pentanone	10.565	43	2161	0.620	ug/l #	1
59) 2-Hexanone	11.200	43	531	0.209	ug/l #	34
71) Bromoform	12.853	173	1669	0.657	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	96246	24.589	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	96246	88.507	ug/l #	12
90) Hexachloroethane	14.459	117	949	0.446	ug/l #	11
95) Naphthalene	15.641	128	1975	2.356	ug/l #	73

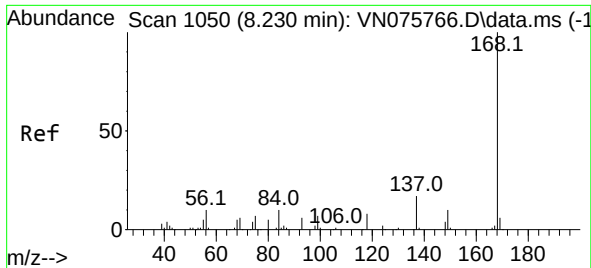
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

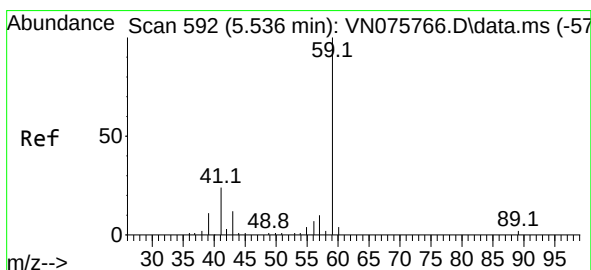
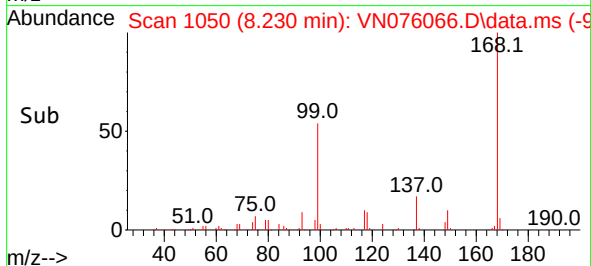
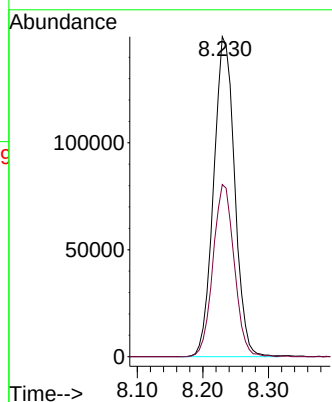
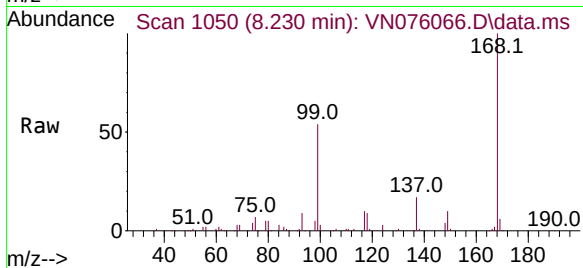




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

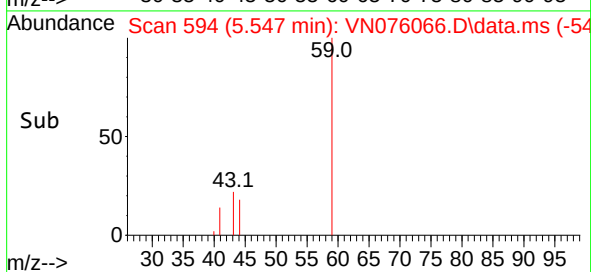
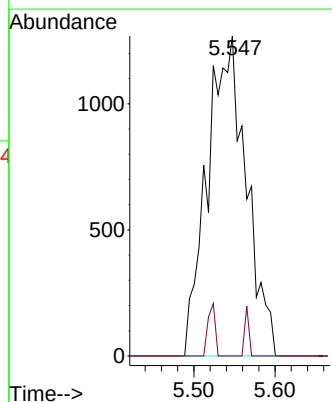
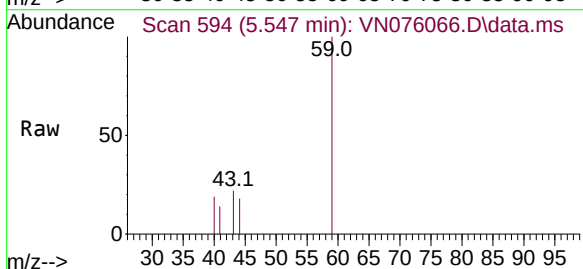
Instrument :
MSVOA_N
ClientSampleId :
MW-13DL

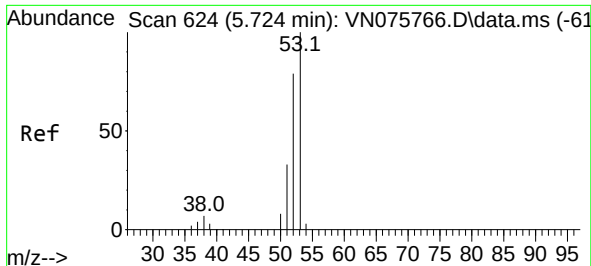
Tgt Ion:168 Resp: 332402
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#11
Tert butyl alcohol
Concen: 8.243 ug/l
RT: 5.547 min Scan# 594
Delta R.T. 0.012 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

Tgt Ion: 59 Resp: 4218
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

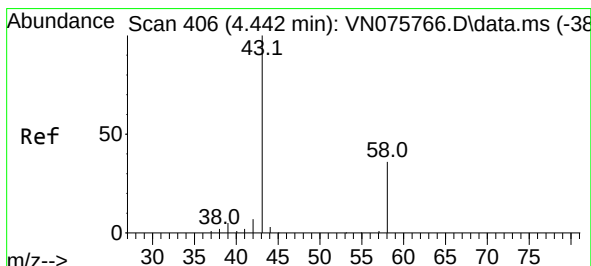
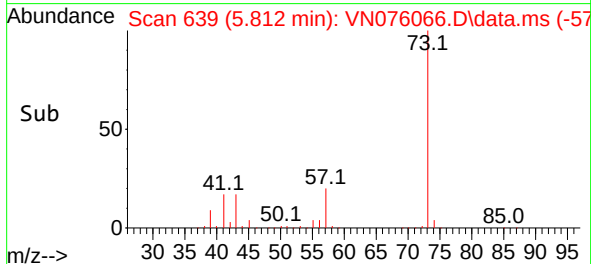
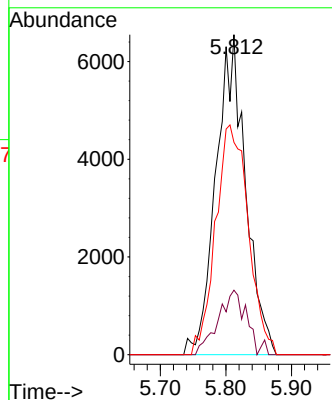
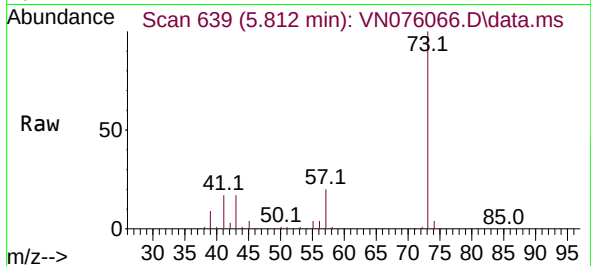




#15
Acrylonitrile
Concen: 14.710 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.088 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

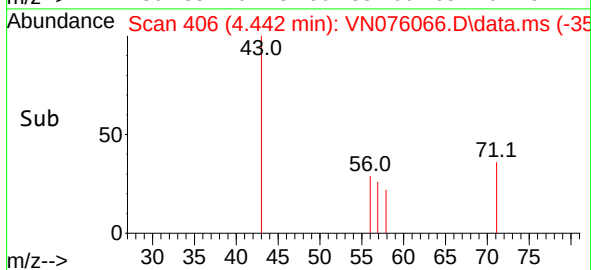
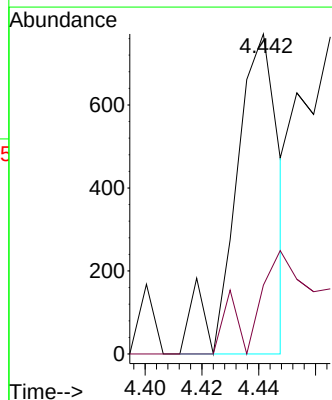
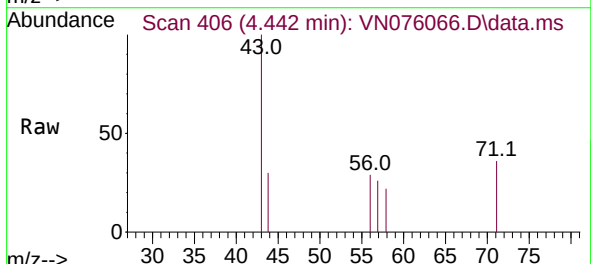
Instrument :
MSVOA_N
ClientSampleId :
MW-13DL

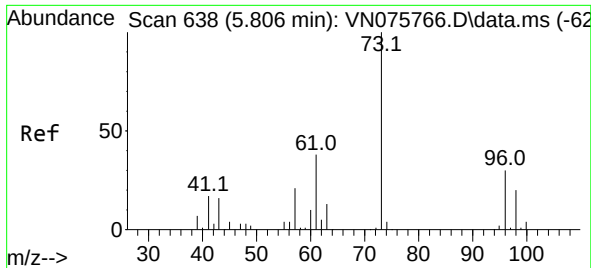
Tgt Ion: 53 Resp: 20541
Ion Ratio Lower Upper
53 100
52 19.0 65.4 98.0#
51 79.1 28.9 43.3#



#16
Acetone
Concen: 0.668 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

Tgt Ion: 43 Resp: 833
Ion Ratio Lower Upper
43 100
58 21.5 28.6 43.0#

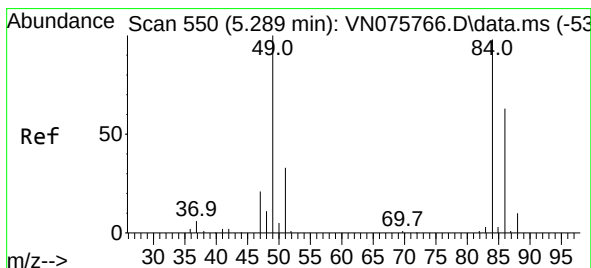
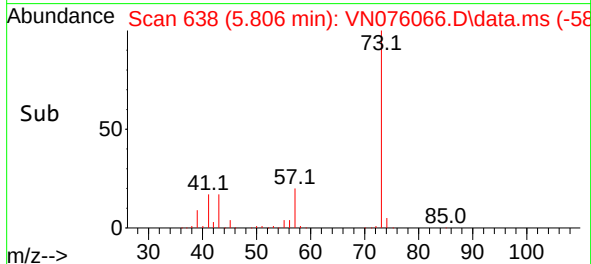
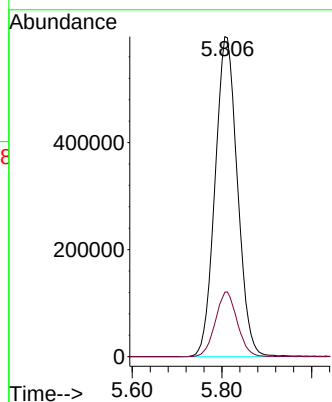
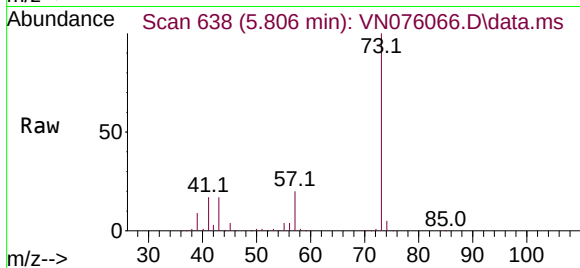




#19
Methyl tert-butyl Ether
Concen: 213.330 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

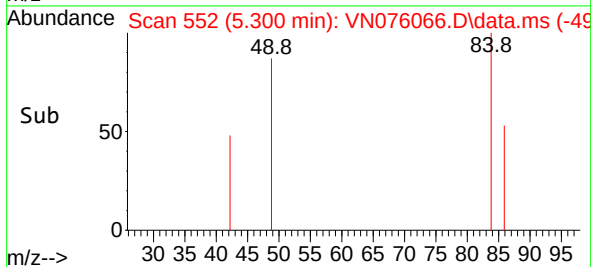
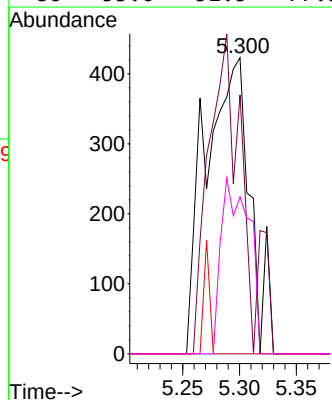
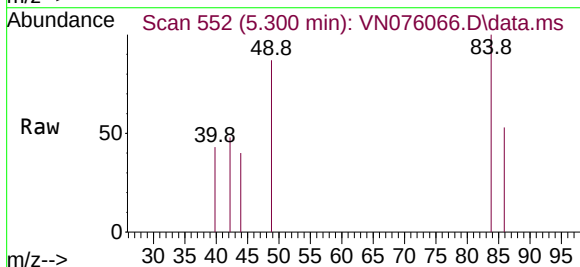
Instrument :
MSVOA_N
ClientSampleId :
MW-13DL

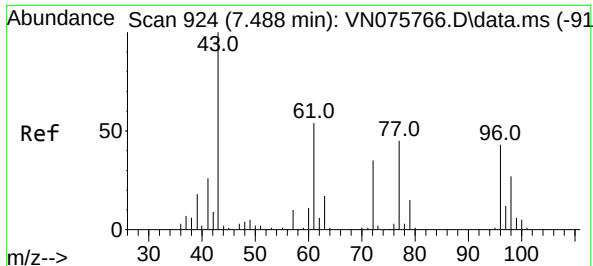
Tgt Ion: 73 Resp: 2069631
Ion Ratio Lower Upper
73 100
57 20.2 17.1 25.7



#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 552
Delta R.T. 0.011 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

Tgt Ion: 84 Resp: 1154
Ion Ratio Lower Upper
84 100
49 87.5 81.8 122.6
51 0.0 26.7 40.1#
86 53.0 51.5 77.3





#25

2-Butanone

Concen: 0.694 ug/l

RT: 7.500 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN076066.D

Acq: 03 Jan 2023 16:15

Instrument :

MSVOA_N

ClientSampleId :

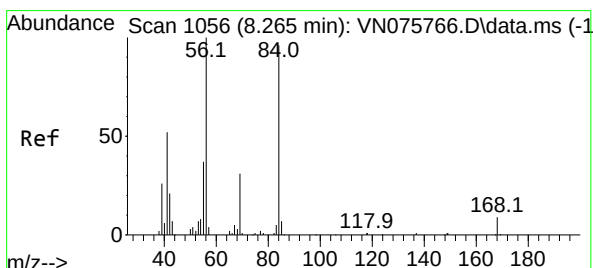
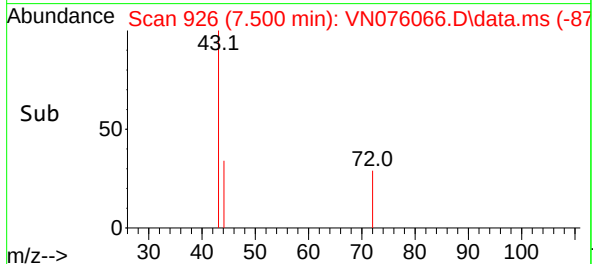
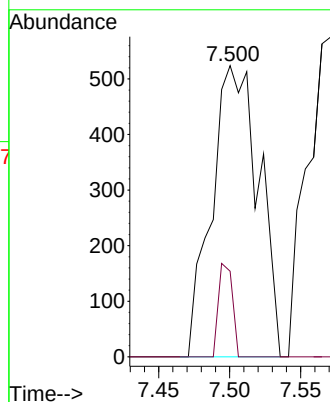
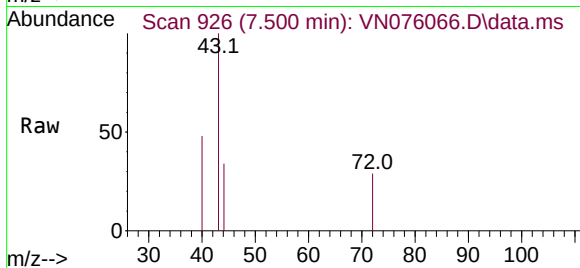
MW-13DL

Tgt Ion: 43 Resp: 1211

Ion Ratio Lower Upper

43 100

72 29.4 28.0 42.0



#31

Cyclohexane

Concen: 1.261 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN076066.D

Acq: 03 Jan 2023 16:15

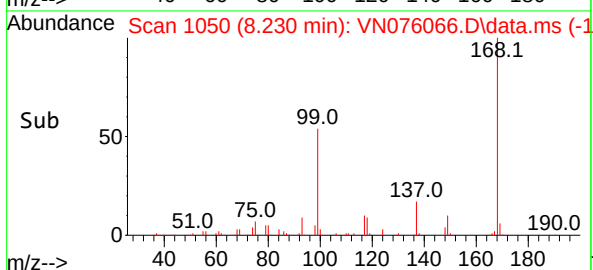
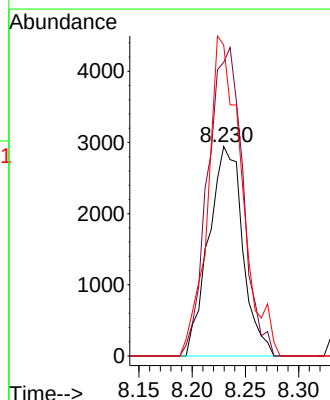
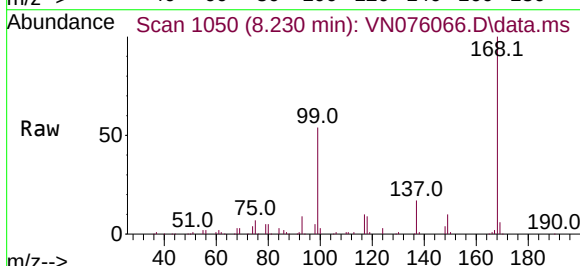
Tgt Ion: 56 Resp: 6530

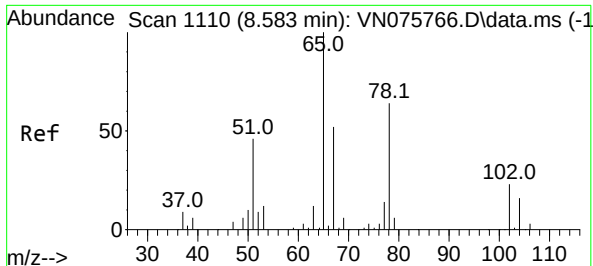
Ion Ratio Lower Upper

56 100

69 140.2 24.7 37.1#

84 148.4 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 47.448 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076066.D

Acq: 03 Jan 2023 16:15

Instrument :

MSVOA_N

ClientSampleId :

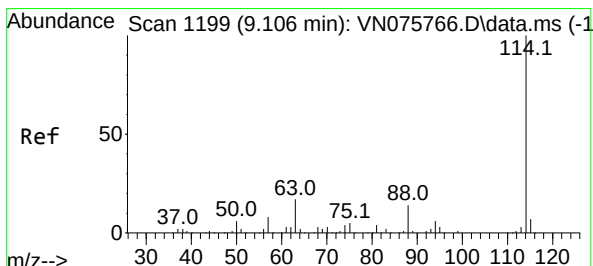
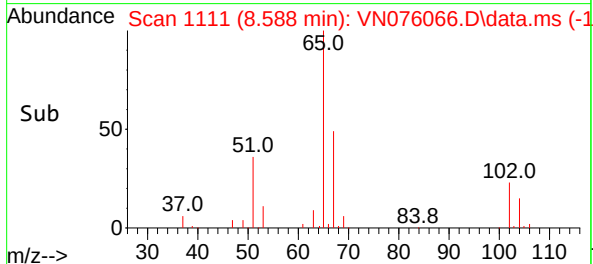
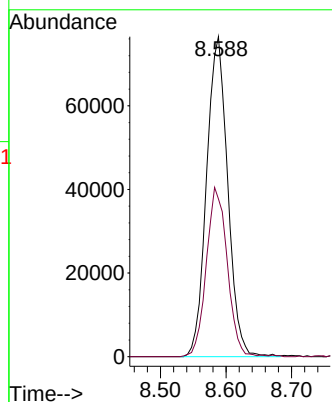
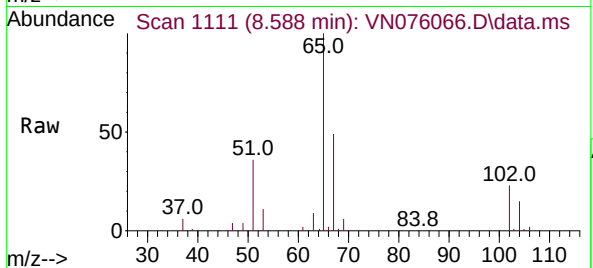
MW-13DL

Tgt Ion: 65 Resp: 171582

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076066.D

Acq: 03 Jan 2023 16:15

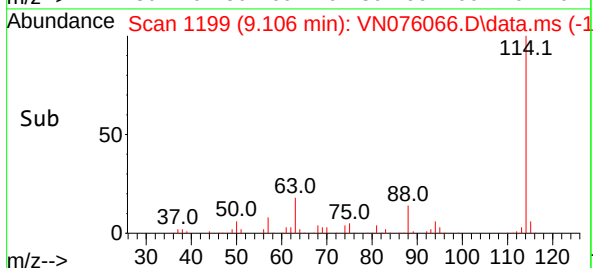
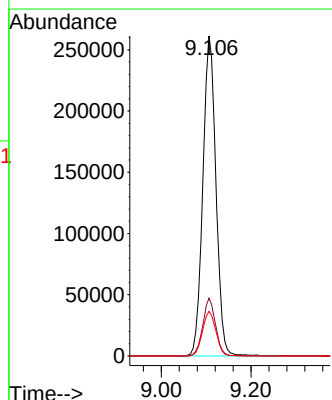
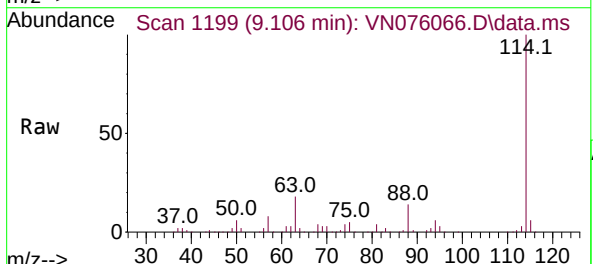
Tgt Ion: 114 Resp: 528836

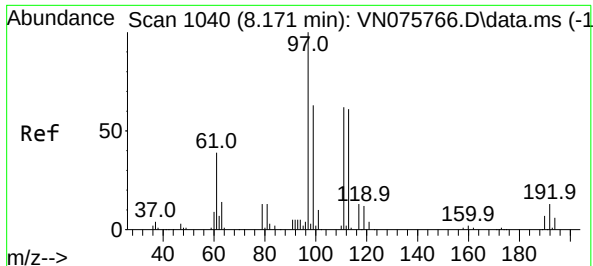
Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.4

88 13.9 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.498 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN076066.D

Acq: 03 Jan 2023 16:15

Instrument :

MSVOA_N

ClientSampleId :

MW-13DL

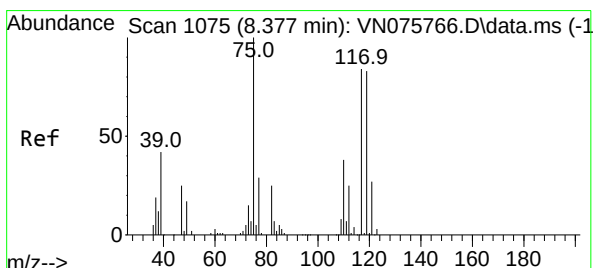
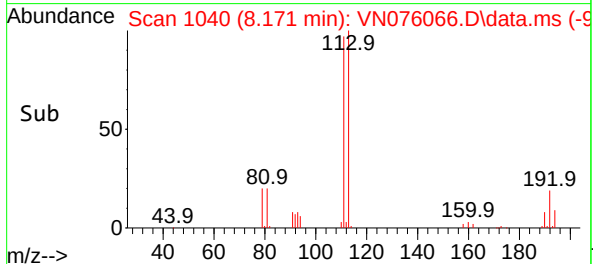
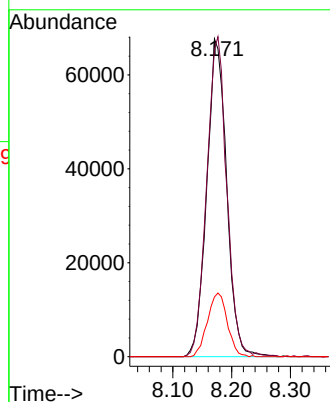
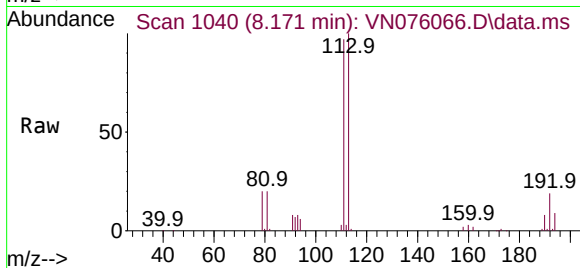
Tgt Ion:113 Resp: 158830

Ion Ratio Lower Upper

113 100

111 101.6 83.4 125.2

192 20.1 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.469 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.141 min

Lab File: VN076066.D

Acq: 03 Jan 2023 16:15

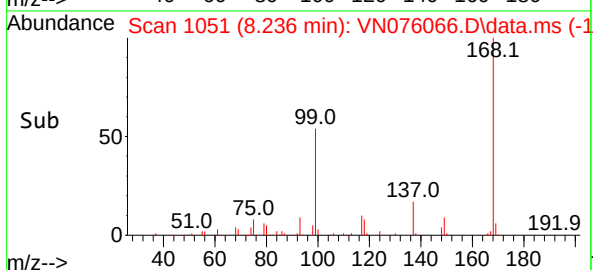
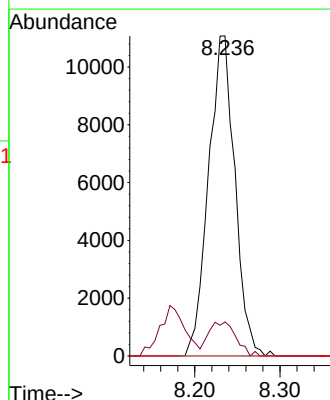
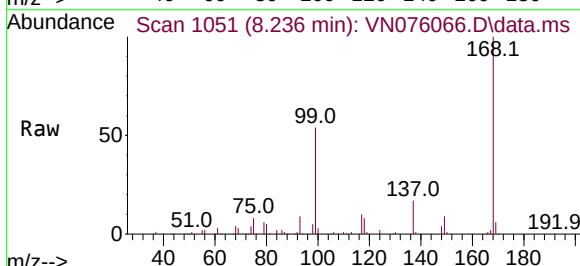
Tgt Ion: 75 Resp: 23793

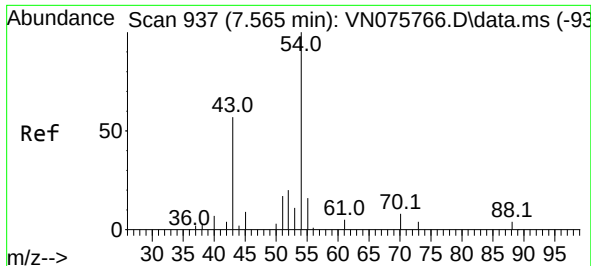
Ion Ratio Lower Upper

75 100

110 11.1 18.8 56.4#

77 0.0 24.1 36.1#

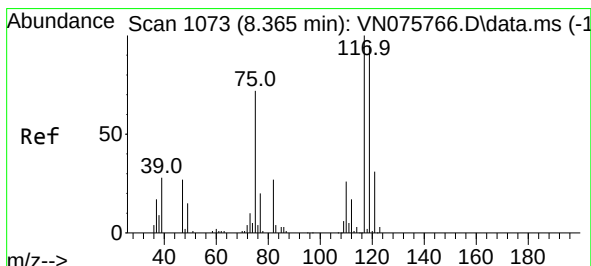
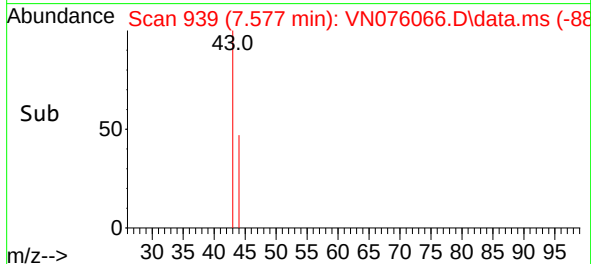
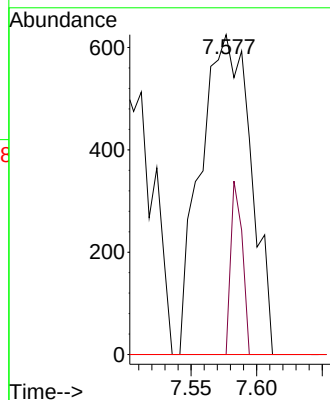
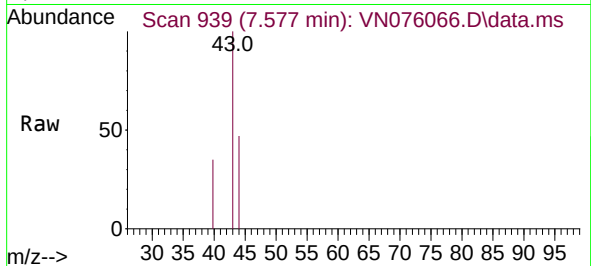




#37
Ethyl Acetate
Concen: 0.477 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

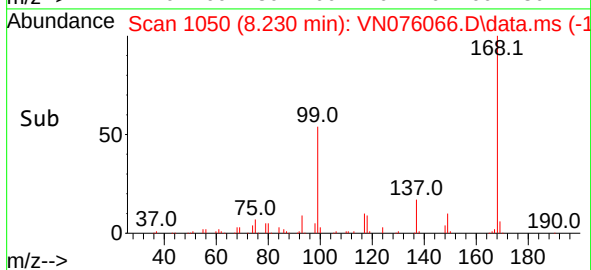
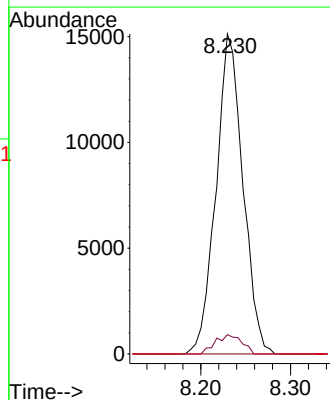
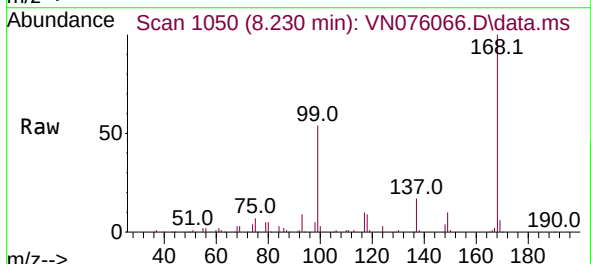
Instrument :
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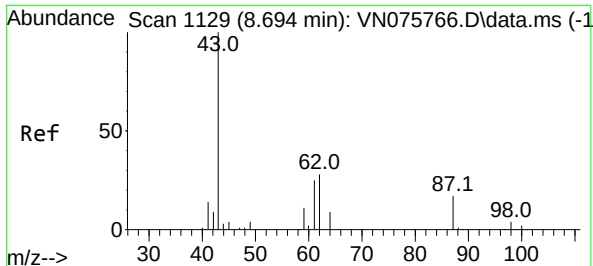
Tgt Ion: 43 Resp: 1668
Ion Ratio Lower Upper
43 100
61 12.3 13.0 19.4#
70 0.0 9.4 14.0#



#38
Carbon Tetrachloride
Concen: 6.454 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

Tgt Ion: 117 Resp: 31427
Ion Ratio Lower Upper
117 100
119 6.0 76.1 114.1#
121 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 2.312 ug/l

RT: 8.788 min Scan# 1129

Delta R.T. 0.094 min

Lab File: VN076066.D

Acq: 03 Jan 2023 16:15

Instrument :

MSVOA_N

ClientSampleId :

MW-13DL

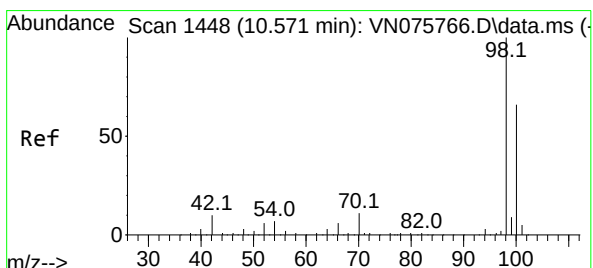
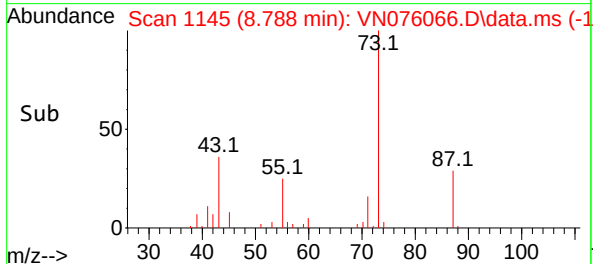
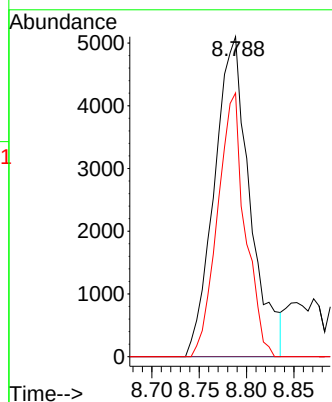
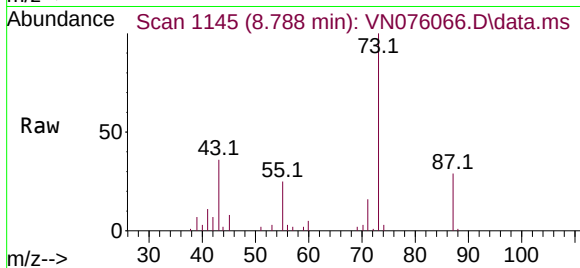
Tgt Ion: 43 Resp: 13329

Ion Ratio Lower Upper

43 100

61 0.0 24.2 36.4#

87 64.1 13.3 19.9#



#50

Toluene-d8

Concen: 49.145 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN076066.D

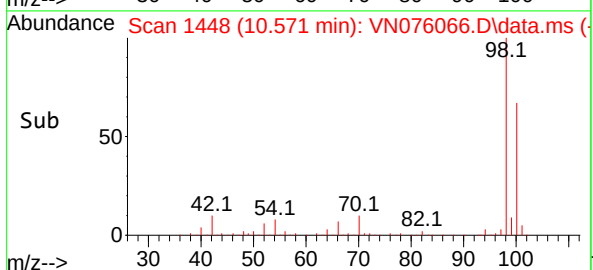
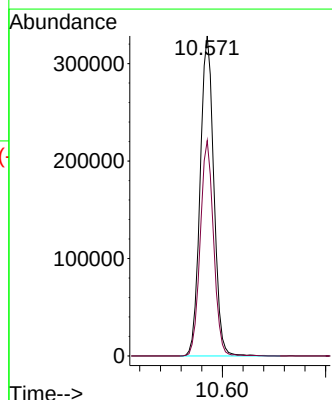
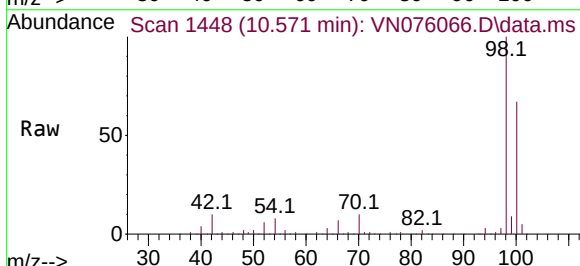
Acq: 03 Jan 2023 16:15

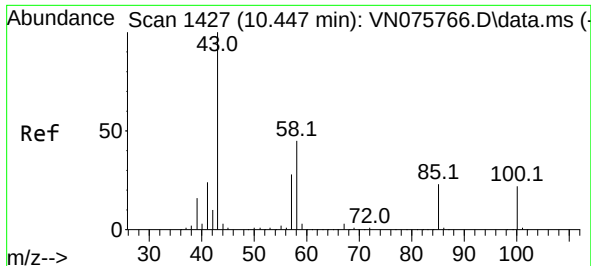
Tgt Ion: 98 Resp: 601777

Ion Ratio Lower Upper

98 100

100 65.7 52.1 78.1

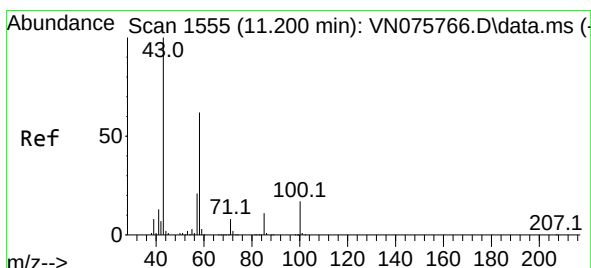
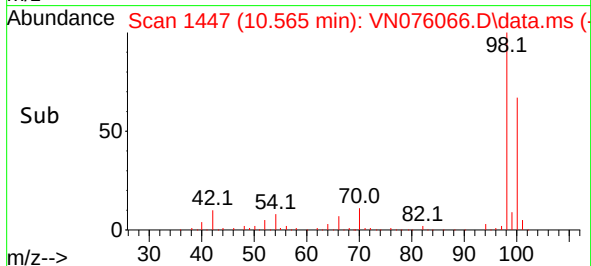
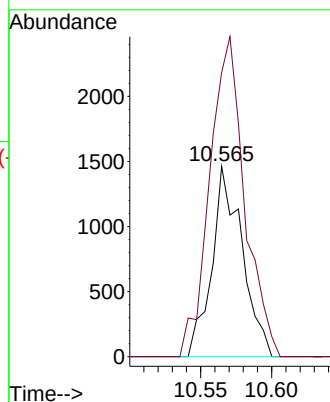
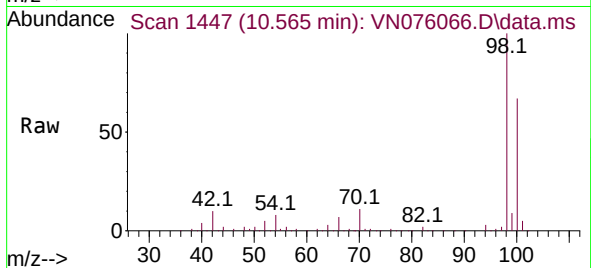




#51
4-Methyl-2-Pentanone
Concen: 0.620 ug/l
RT: 10.565 min Scan# 1427
Delta R.T. 0.118 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

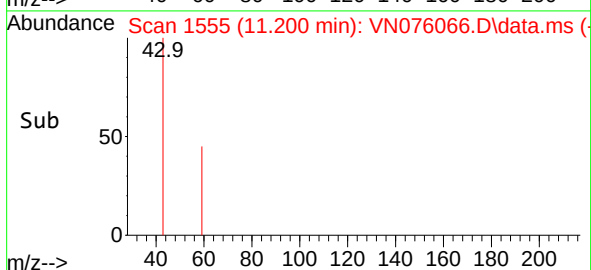
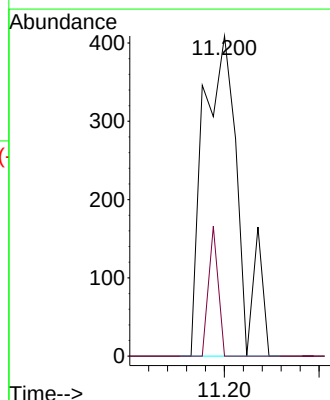
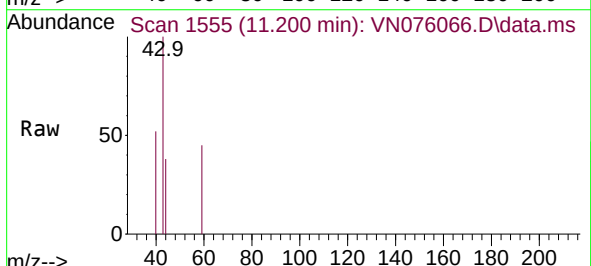
Instrument :
MSVOA_N
ClientSampleId :
MW-13DL

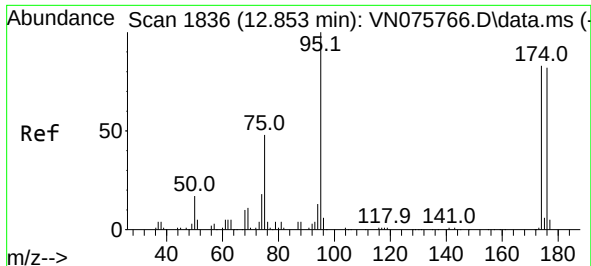
Tgt Ion: 43 Resp: 2161
Ion Ratio Lower Upper
43 100
58 194.5 35.5 53.3#



#59
2-Hexanone
Concen: 0.209 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

Tgt Ion: 43 Resp: 531
Ion Ratio Lower Upper
43 100
58 11.1 30.6 92.0#

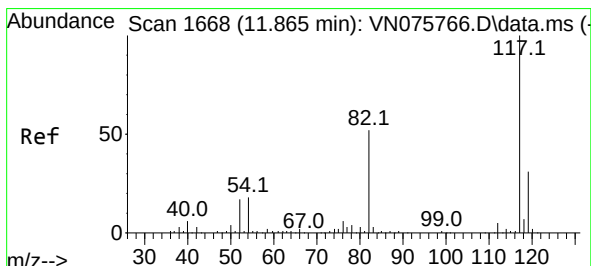
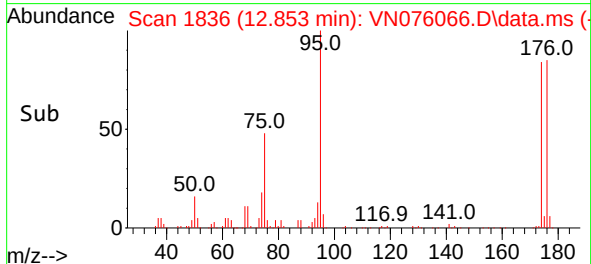
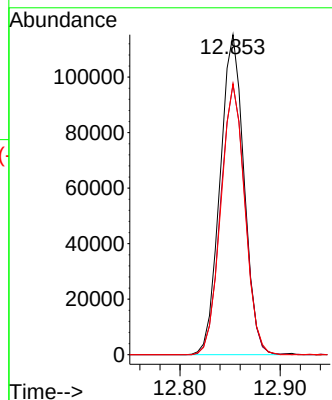
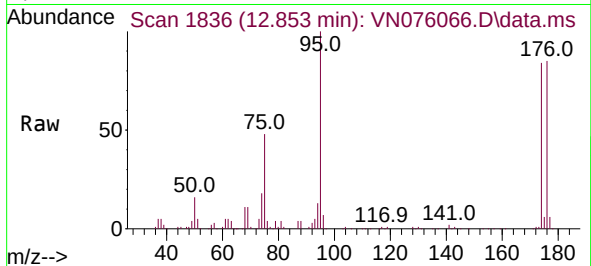




#62
4-Bromofluorobenzene
Concen: 47.191 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

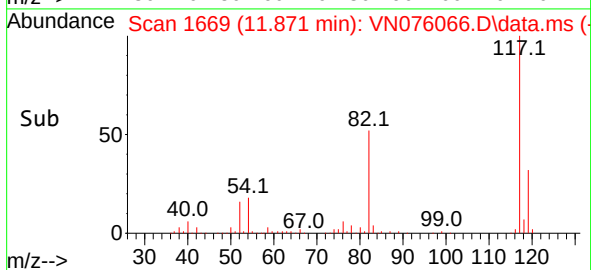
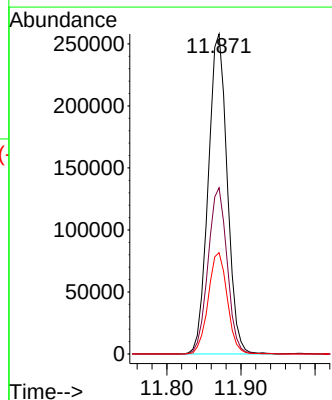
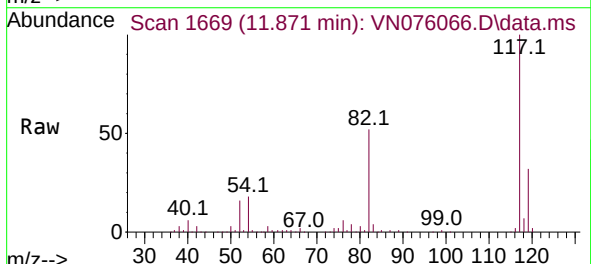
Instrument :
MSVOA_N
ClientSampleId :
MW-13DL

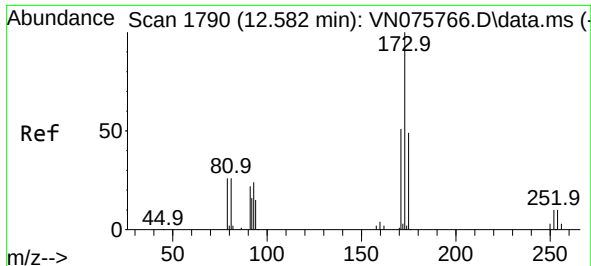
Tgt Ion: 95 Resp: 191390
Ion Ratio Lower Upper
95 100
174 85.3 0.0 171.6
176 84.4 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

Tgt Ion: 117 Resp: 459165
Ion Ratio Lower Upper
117 100
82 51.9 41.3 61.9
119 31.7 24.6 37.0

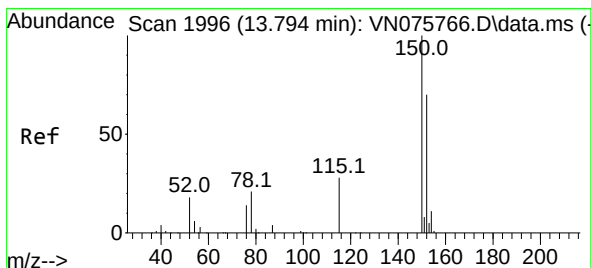
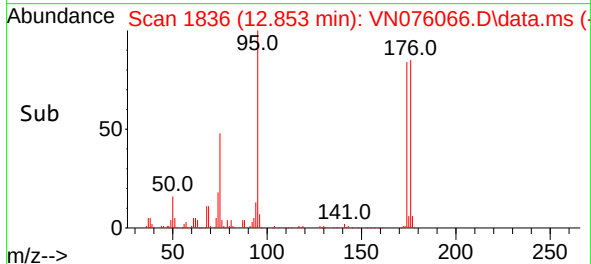
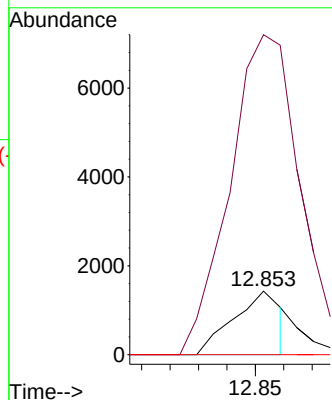
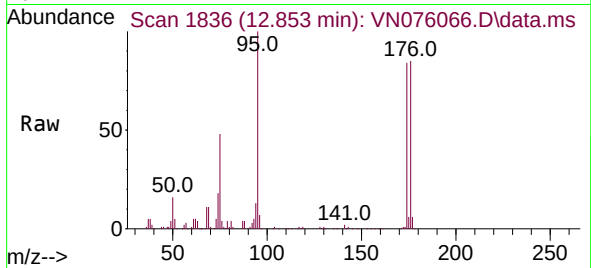




#71
Bromoform
Concen: 0.657 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

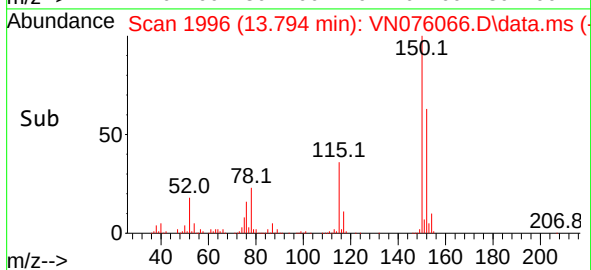
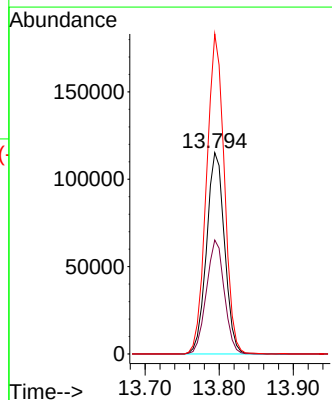
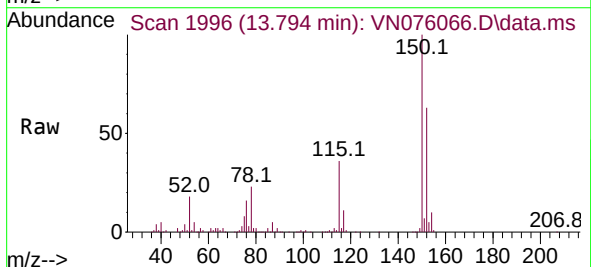
Instrument :
MSVOA_N
ClientSampleId :
MW-13DL

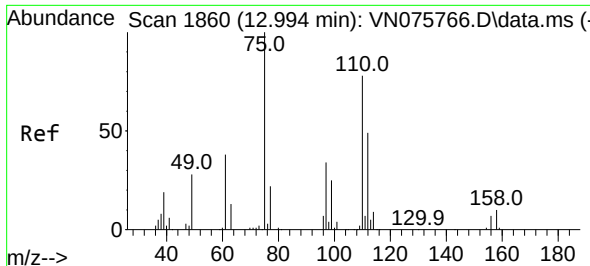
Tgt Ion:173 Resp: 1669
Ion Ratio Lower Upper
173 100
175 576.2 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

Tgt Ion:152 Resp: 194181
Ion Ratio Lower Upper
152 100
115 56.4 29.1 87.4
150 157.0 0.0 347.0

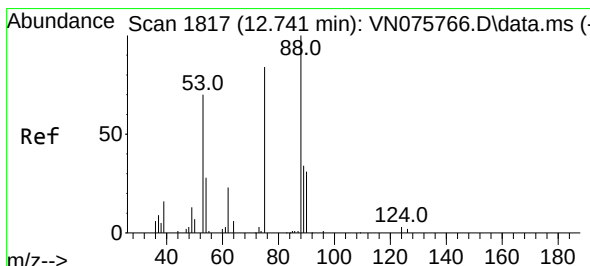
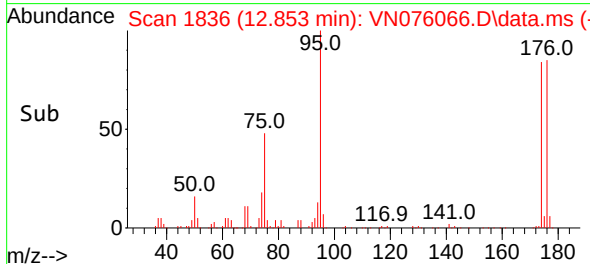
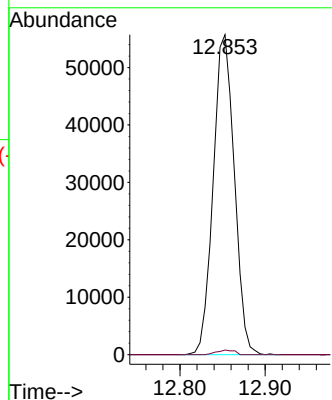
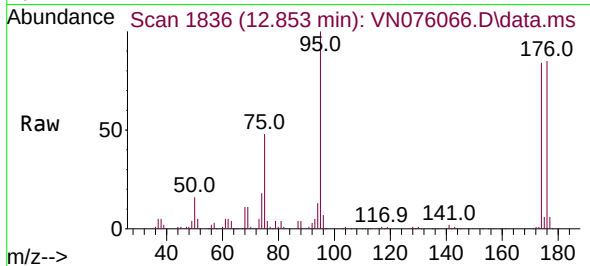




#76
1,2,3-Trichloropropane
Concen: 24.589 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

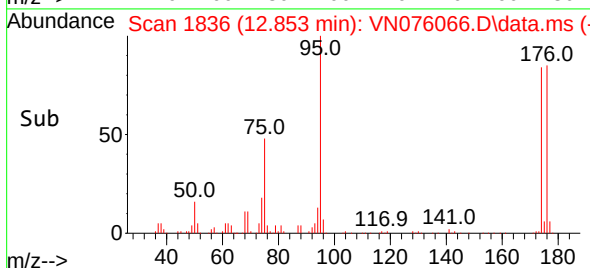
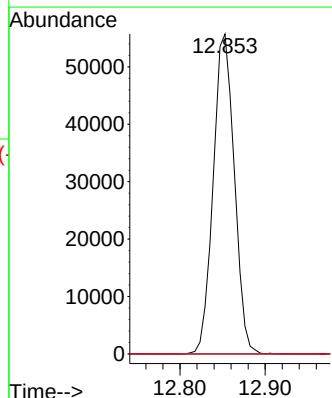
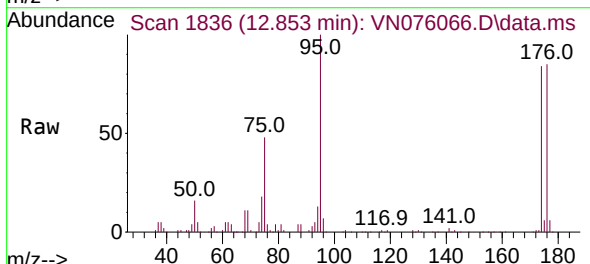
Instrument :
MSVOA_N
ClientSampleId :
MW-13DL

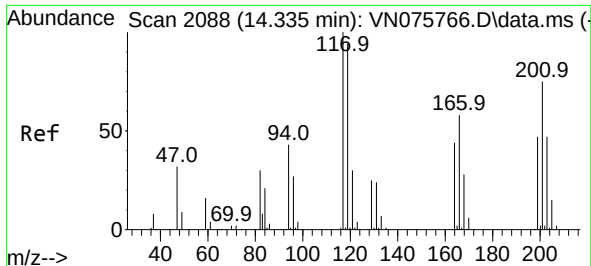
Tgt Ion: 75 Resp: 96246
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.507 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

Tgt Ion: 75 Resp: 96246
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#

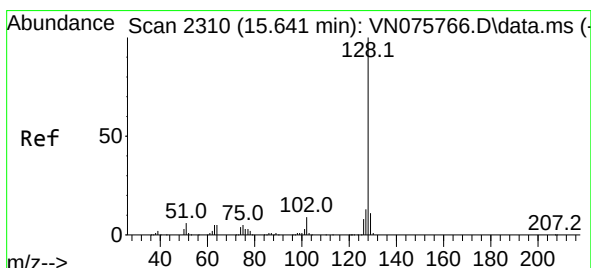
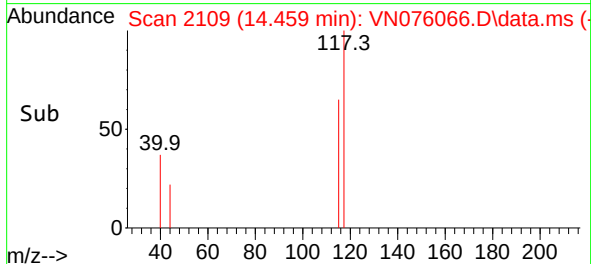
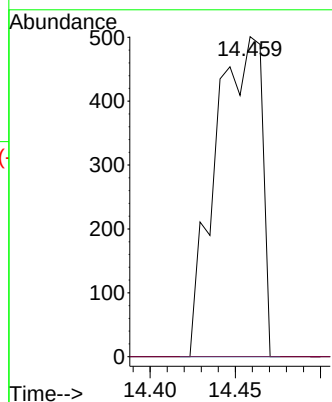
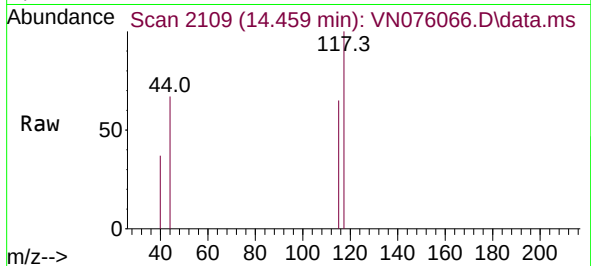




#90
Hexachloroethane
Concen: 0.446 ug/l
RT: 14.459 min Scan# 2109
Delta R.T. 0.124 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

Instrument :
MSVOA_N
ClientSampleId :
MW-13DL

Tgt Ion:117 Resp: 949
Ion Ratio Lower Upper
117 100
201 0.0 38.0 114.1#



#95
Naphthalene
Concen: 2.356 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076066.D
Acq: 03 Jan 2023 16:15

Tgt Ion:128 Resp: 1975
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 3.3 8.7 13.1#

