

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011923\
 Data File : VN076328.D
 Acq On : 19 Jan 2023 17:19
 Operator : JC\MD
 Sample : 01221-04DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13-0118DL

Quant Time: Jan 20 00:59:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

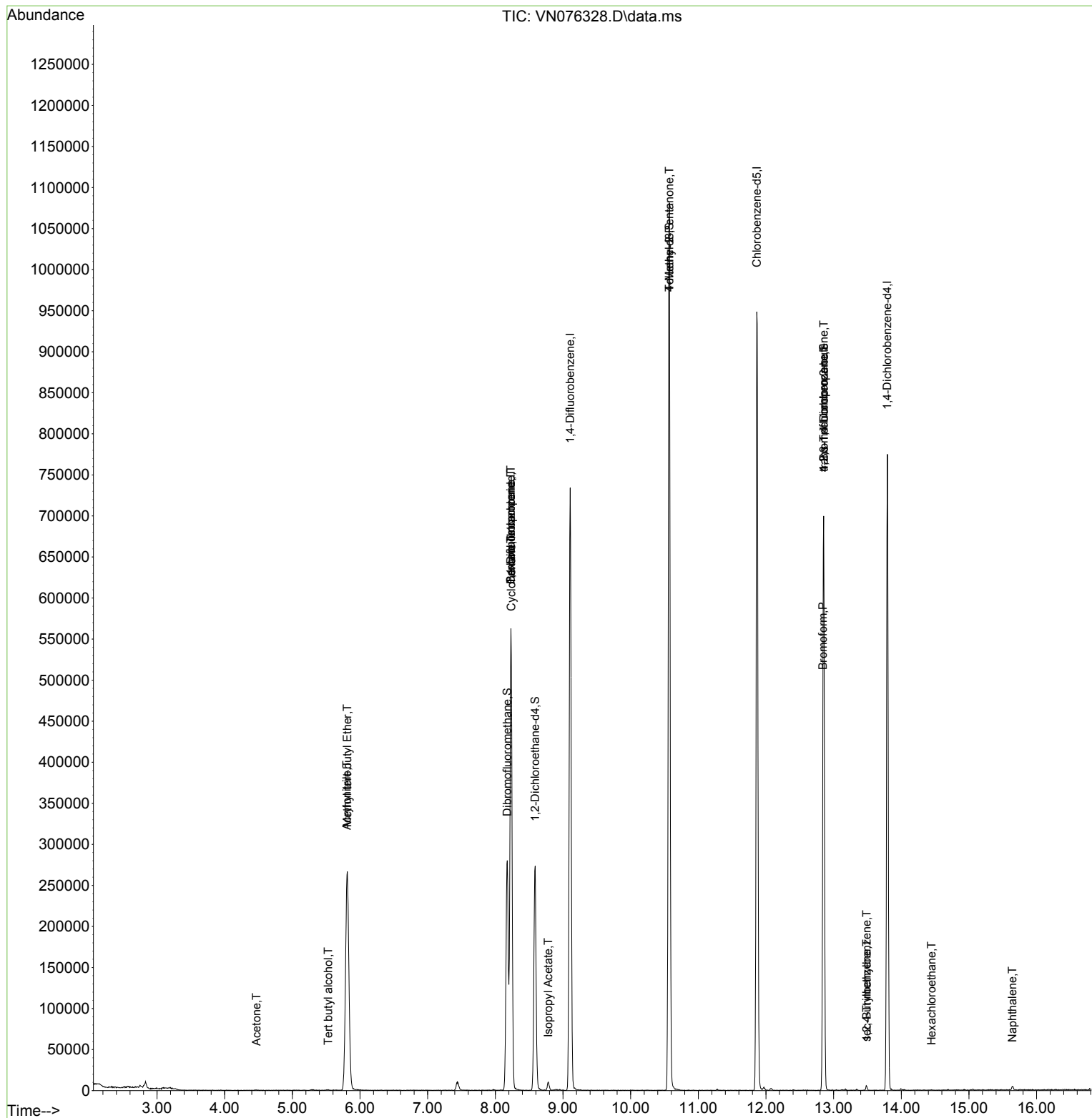
Internal Standards						
1) Pentafluorobenzene	8.229	168	431125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	674389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	590289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	216456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	223061	46.209	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.420%
35) Dibromofluoromethane	8.177	113	202271	47.948	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.900%
50) Toluene-d8	10.570	98	773495	49.648	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.300%
62) 4-Bromofluorobenzene	12.853	95	231887	45.593	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.180%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	799	1.237	ug/l #	72
15) Acrylonitrile	5.806	53	5677	3.090	ug/l #	26
16) Acetone	4.471	43	900	0.508	ug/l #	41
19) Methyl tert-butyl Ether	5.812	73	472411	35.141	ug/l	100
20) Methylene Chloride	5.306	84	839	Below Cal	#	71
31) Cyclohexane	8.235	56	8395	1.132	ug/l #	22
36) 1,1-Dichloropropene	8.229	75	31186	5.202	ug/l #	49
38) Carbon Tetrachloride	8.229	117	41989	6.281	ug/l #	17
43) Isopropyl Acetate	8.782	43	2589	0.331	ug/l #	18
51) 4-Methyl-2-Pentanone	10.570	43	2814	0.613	ug/l #	1
71) Bromoform	12.841	173	2111	0.630	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	119957	30.042	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	119957	92.207	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.488	105	3862	0.275	ug/l	89
85) sec-Butylbenzene	13.488	105	3862	0.223	ug/l #	56
90) Hexachloroethane	14.447	117	537	0.219	ug/l #	12
95) Naphthalene	15.641	128	5096	2.275	ug/l	94

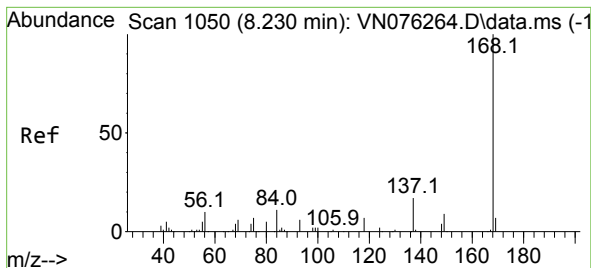
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011923\
Data File : VN076328.D
Acq On : 19 Jan 2023 17:19
Operator : JC\MD
Sample : 01221-04DL 50X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-13-0118DL

Quant Time: Jan 20 00:59:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN076328.D

Acq: 19 Jan 2023 17:19

Instrument :

MSVOA_N

ClientSampleId :

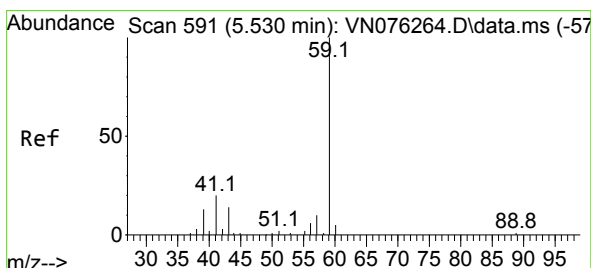
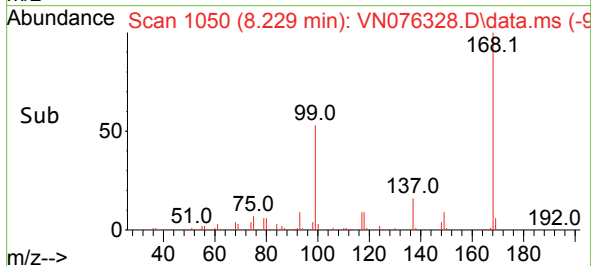
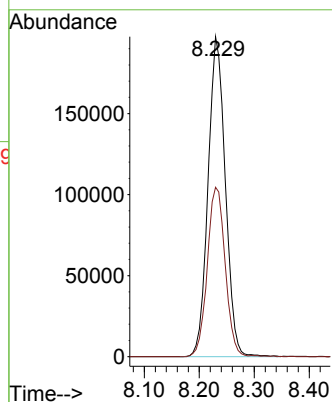
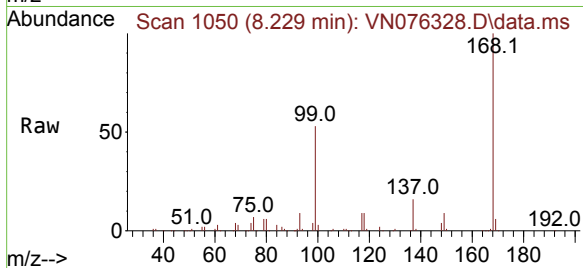
MW-13-0118DL

Tgt Ion:168 Resp: 431125

Ion Ratio Lower Upper

168 100

99 53.0 41.6 62.4



#11

Tert butyl alcohol

Concen: 1.237 ug/l

RT: 5.530 min Scan# 591

Delta R.T. -0.000 min

Lab File: VN076328.D

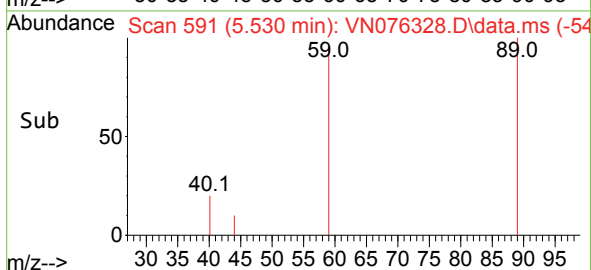
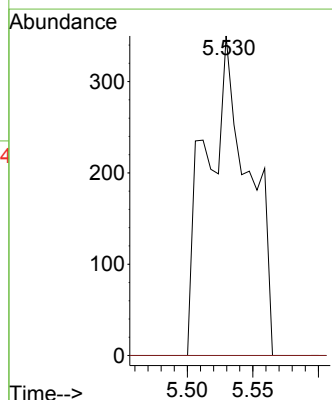
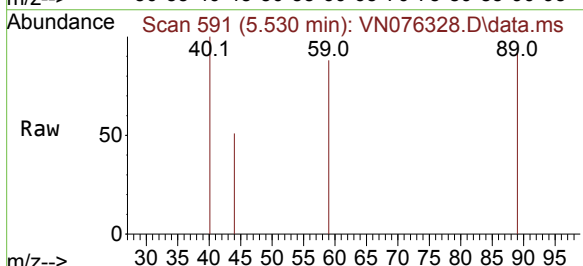
Acq: 19 Jan 2023 17:19

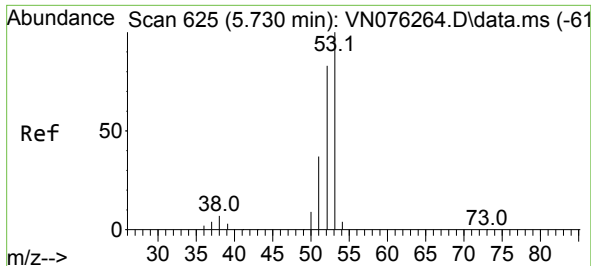
Tgt Ion: 59 Resp: 799

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

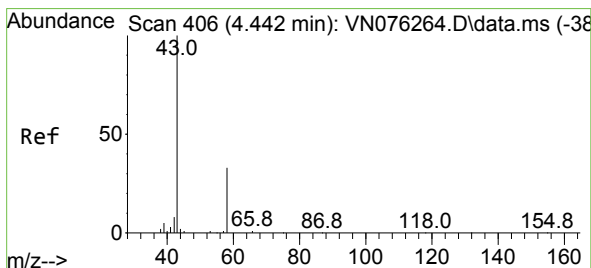
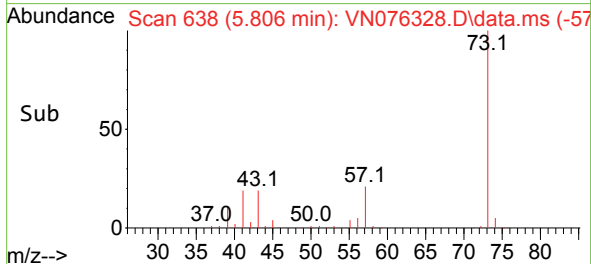
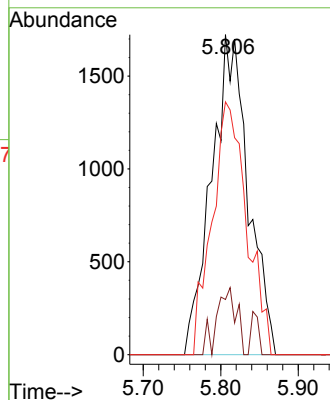
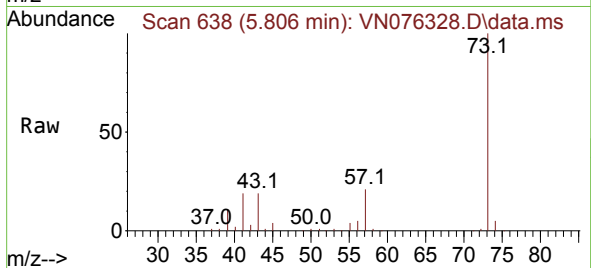




#15
Acrylonitrile
Concen: 3.090 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.076 min
Lab File: VN076328.D
Acq: 19 Jan 2023 17:19

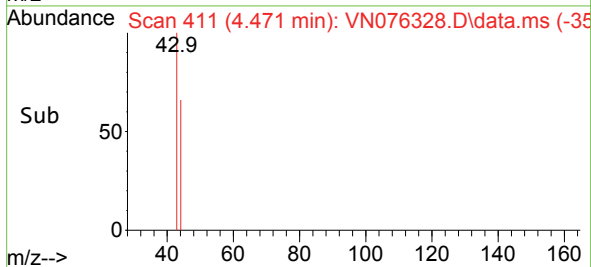
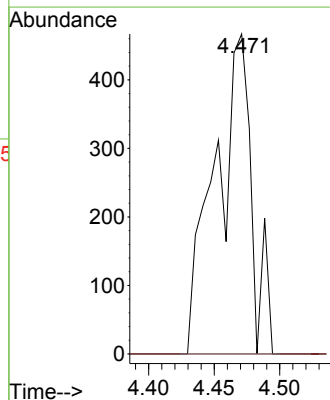
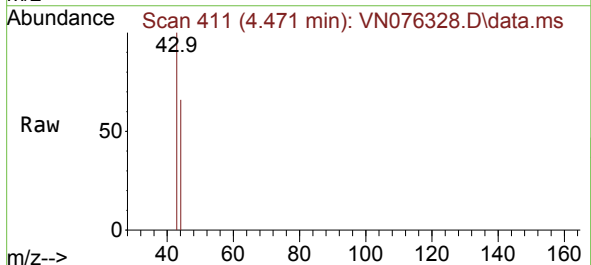
Instrument :
MSVOA_N
ClientSampleId :
MW-13-0118DL

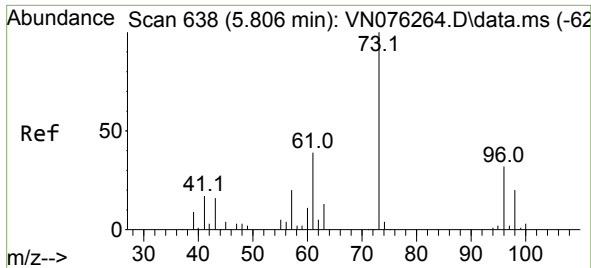
Tgt Ion: 53 Resp: 5677
Ion Ratio Lower Upper
53 100
52 11.2 64.7 97.1#
51 74.4 29.2 43.8#



#16
Acetone
Concen: 0.508 ug/l
RT: 4.471 min Scan# 411
Delta R.T. 0.029 min
Lab File: VN076328.D
Acq: 19 Jan 2023 17:19

Tgt Ion: 43 Resp: 900
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#

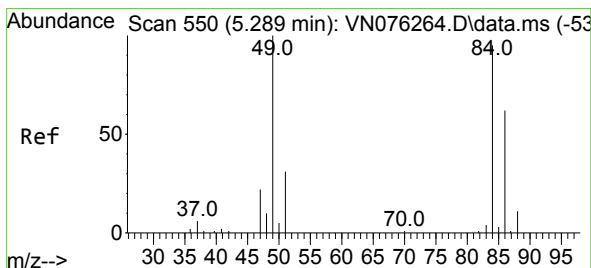
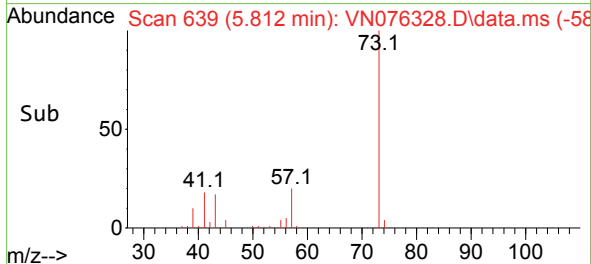
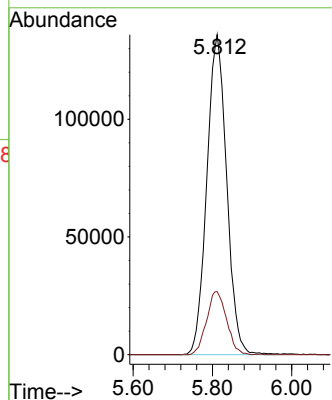
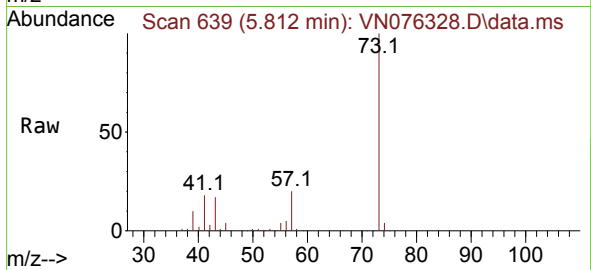




#19
Methyl tert-butyl Ether
Concen: 35.141 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN076328.D
Acq: 19 Jan 2023 17:19

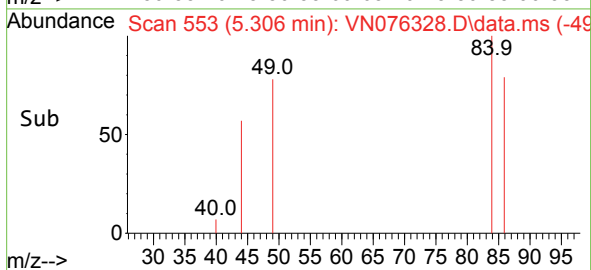
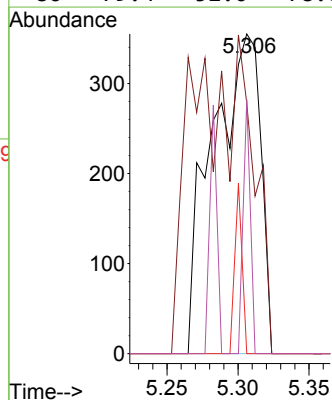
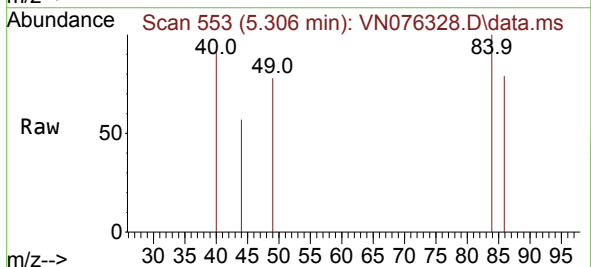
Instrument :
MSVOA_N
ClientSampleId :
MW-13-0118DL

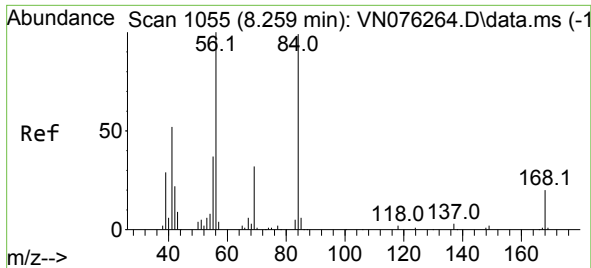
Tgt Ion: 73 Resp: 472411
Ion Ratio Lower Upper
73 100
57 19.7 15.9 23.9



#20
Methylene Chloride
Concen: Below Cal
RT: 5.306 min Scan# 553
Delta R.T. 0.017 min
Lab File: VN076328.D
Acq: 19 Jan 2023 17:19

Tgt Ion: 84 Resp: 839
Ion Ratio Lower Upper
84 100
49 78.3 84.5 126.7#
51 0.0 26.0 39.0#
86 79.4 52.0 78.0#

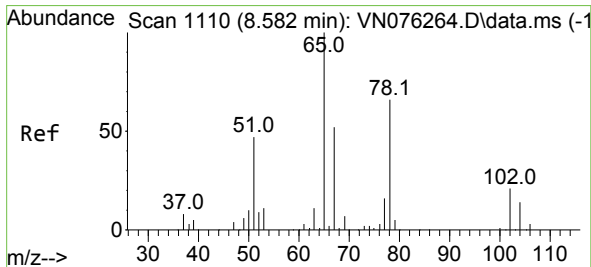
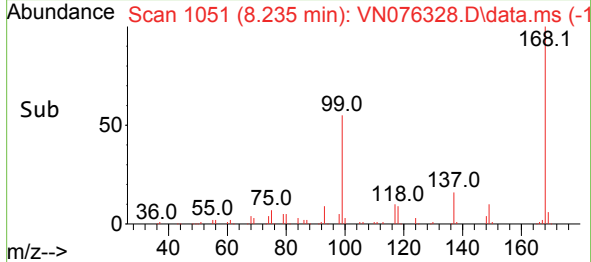
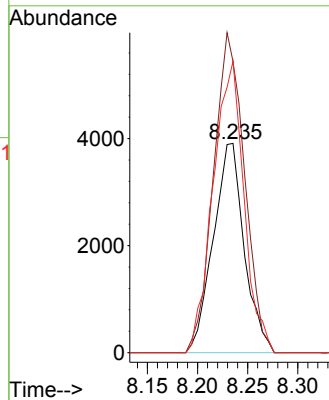
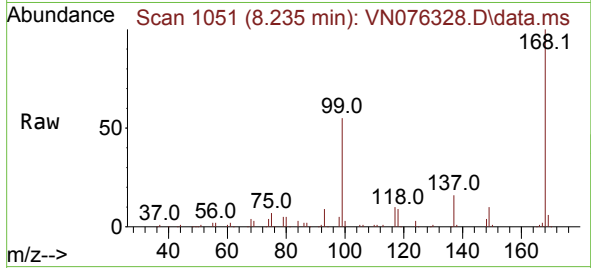




#31
Cyclohexane
Concen: 1.132 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN076328.D
Acq: 19 Jan 2023 17:19

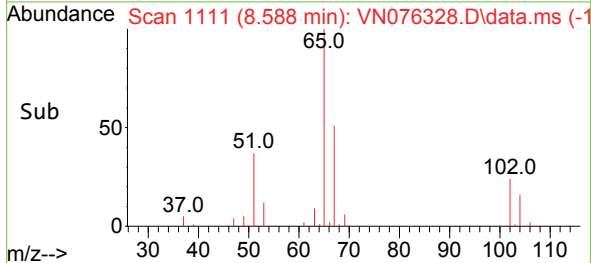
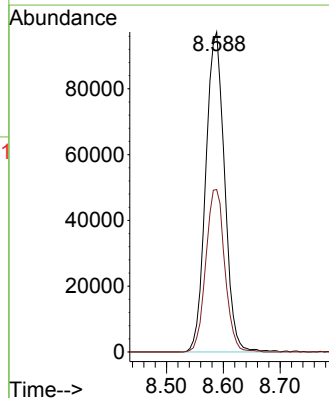
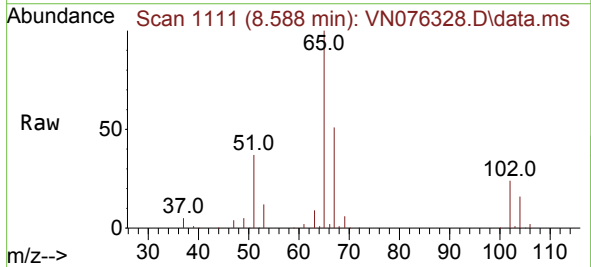
Instrument :
MSVOA_N
ClientSampleId :
MW-13-0118DL

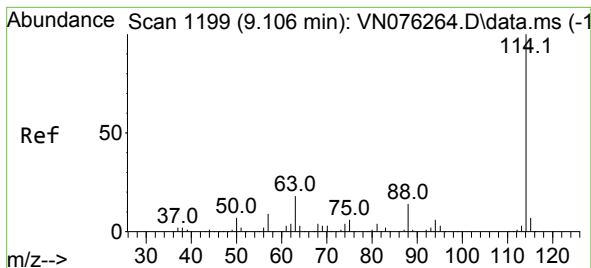
Tgt Ion: 56 Resp: 8395
Ion Ratio Lower Upper
56 100
69 139.2 25.8 38.8#
84 139.3 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 46.209 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076328.D
Acq: 19 Jan 2023 17:19

Tgt Ion: 65 Resp: 223061
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076328.D

Acq: 19 Jan 2023 17:19

Instrument :

MSVOA_N

ClientSampleId :

MW-13-0118DL

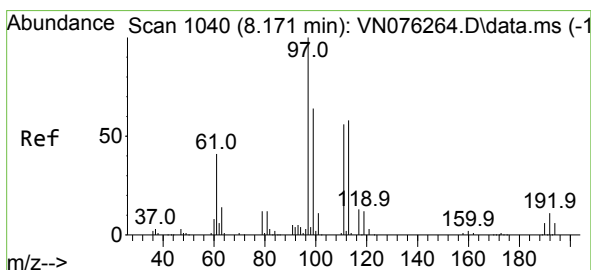
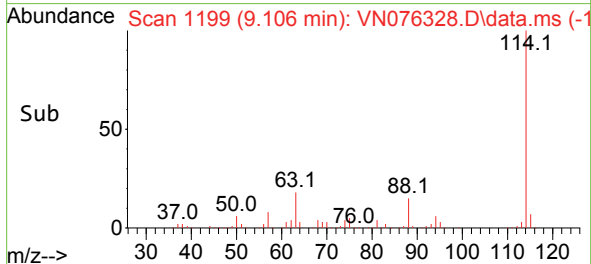
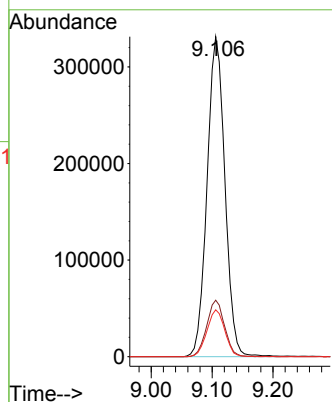
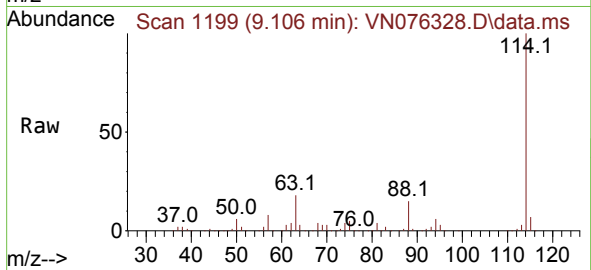
Tgt Ion:114 Resp: 674389

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.8

88 14.6 0.0 28.0



#35

Dibromofluoromethane

Concen: 47.948 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076328.D

Acq: 19 Jan 2023 17:19

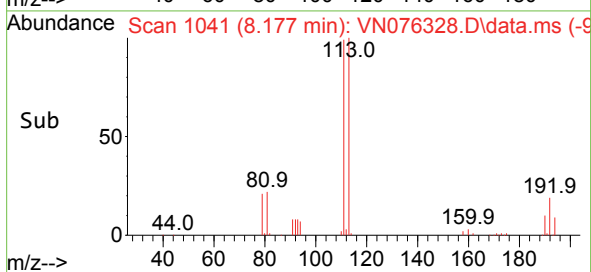
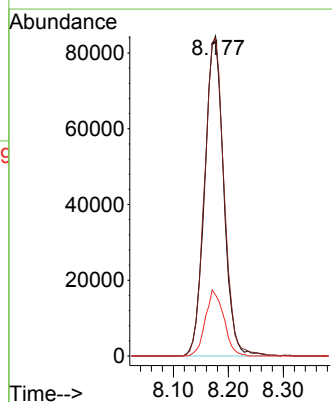
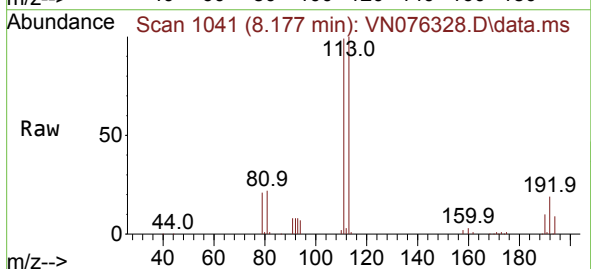
Tgt Ion:113 Resp: 202271

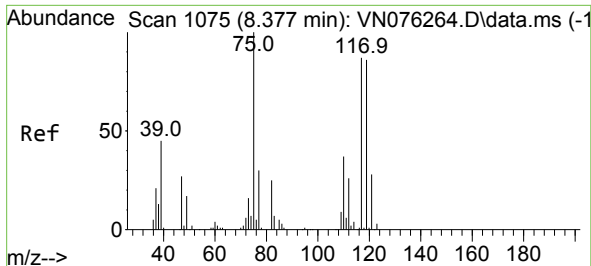
Ion Ratio Lower Upper

113 100

111 101.9 82.7 124.1

192 20.1 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.202 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.148 min

Lab File: VN076328.D

Acq: 19 Jan 2023 17:19

Instrument :

MSVOA_N

ClientSampleId :

MW-13-0118DL

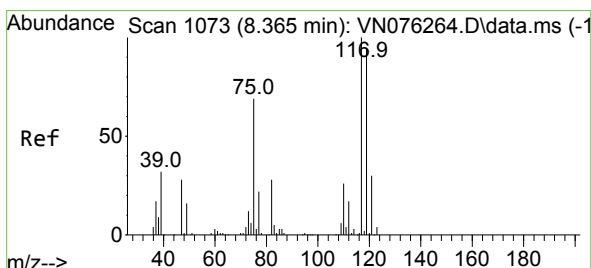
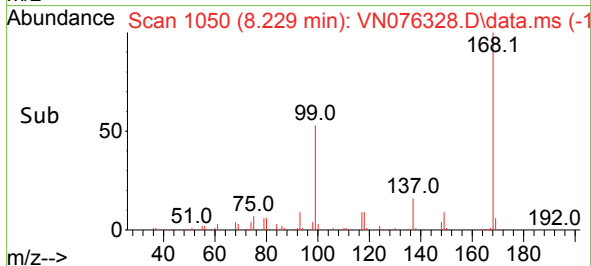
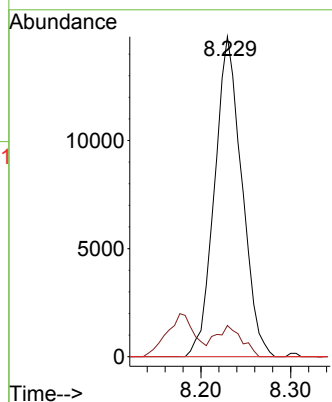
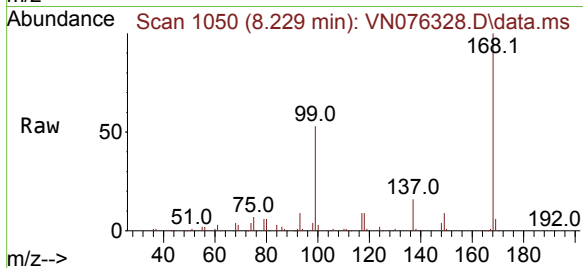
Tgt Ion: 75 Resp: 31186

Ion Ratio Lower Upper

75 100

110 9.3 18.8 56.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.281 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.136 min

Lab File: VN076328.D

Acq: 19 Jan 2023 17:19

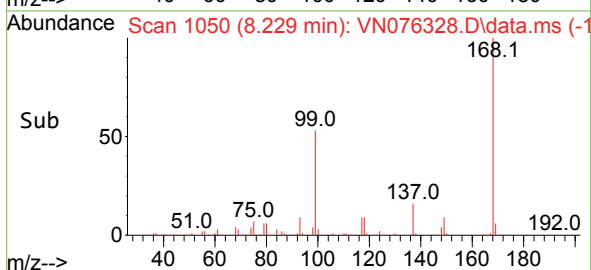
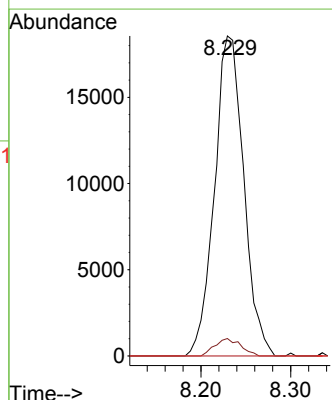
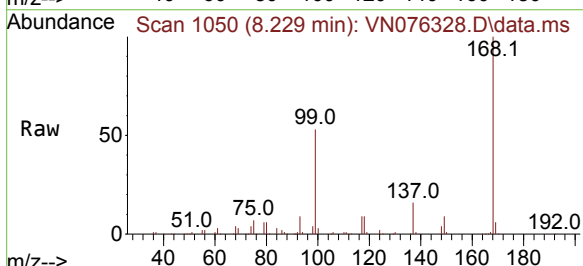
Tgt Ion: 117 Resp: 41989

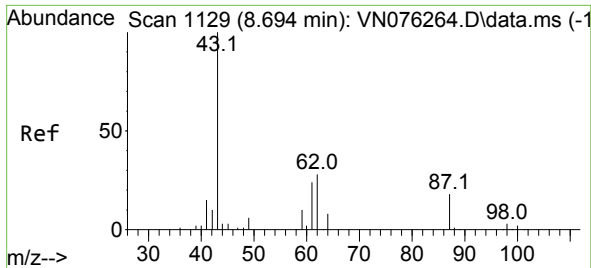
Ion Ratio Lower Upper

117 100

119 5.4 75.4 113.0#

121 0.0 24.2 36.2#

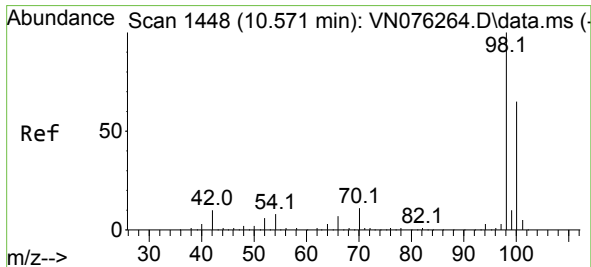
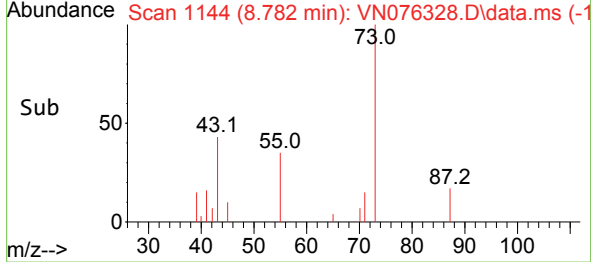
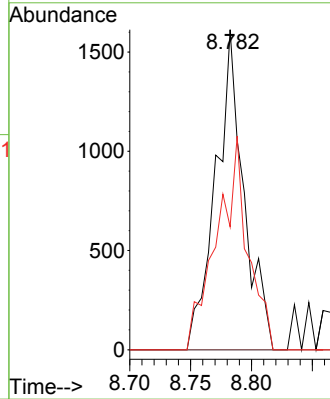
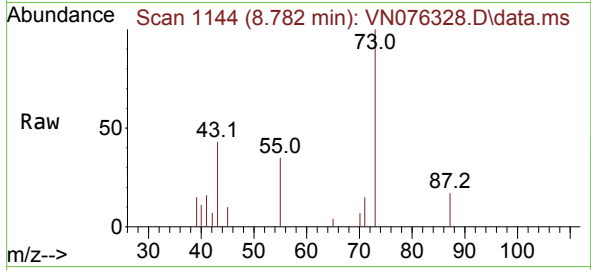




#43
Isopropyl Acetate
Concen: 0.331 ug/l
RT: 8.782 min Scan# 1129
Delta R.T. 0.088 min
Lab File: VN076328.D
Acq: 19 Jan 2023 17:19

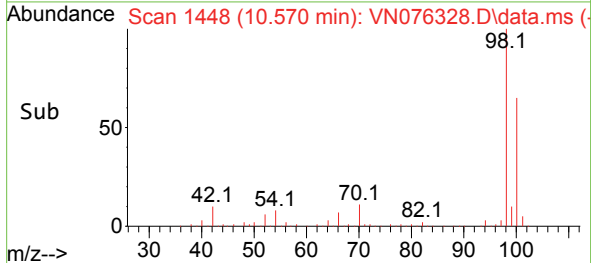
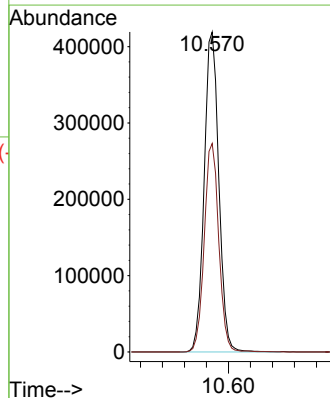
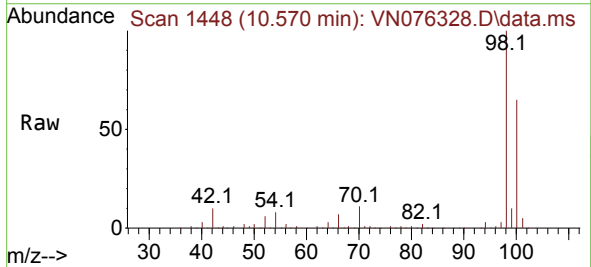
Instrument :
MSVOA_N
ClientSampleId :
MW-13-0118DL

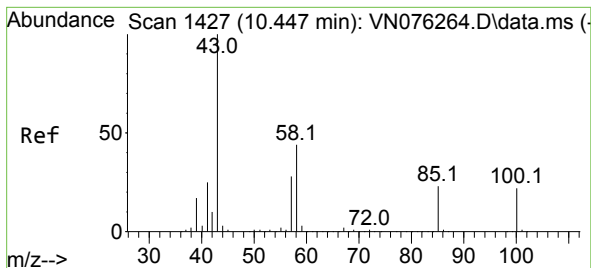
Tgt Ion: 43 Resp: 2589
Ion Ratio Lower Upper
43 100
61 0.0 23.5 35.3#
87 73.2 13.8 20.6#



#50
Toluene-d8
Concen: 49.648 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.001 min
Lab File: VN076328.D
Acq: 19 Jan 2023 17:19

Tgt Ion: 98 Resp: 773495
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4

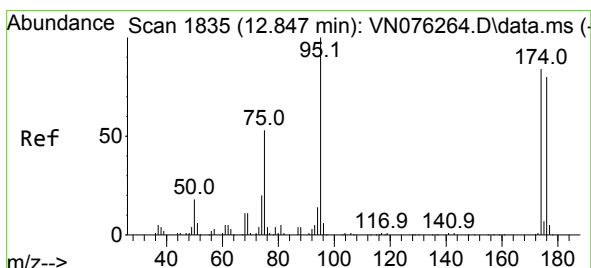
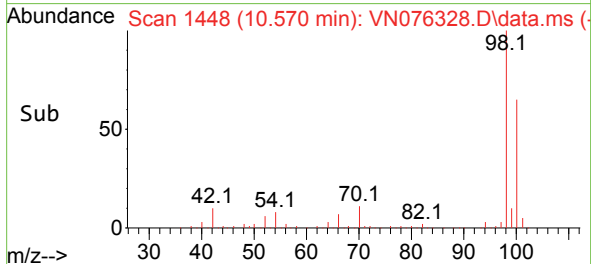
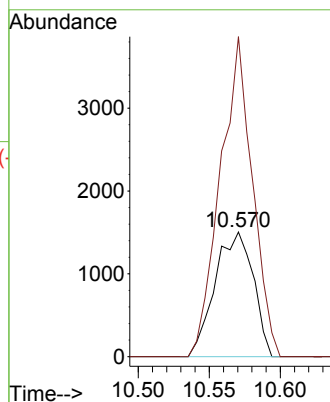
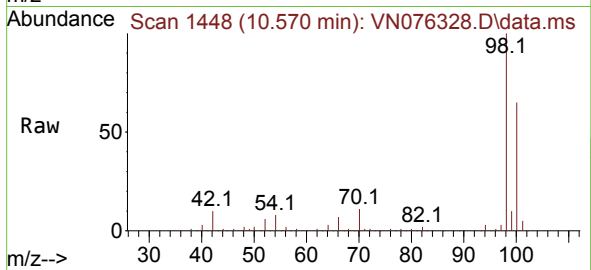




#51
4-Methyl-2-Pentanone
Concen: 0.613 ug/l
RT: 10.570 min Scan# 1427
Delta R.T. 0.123 min
Lab File: VN076328.D
Acq: 19 Jan 2023 17:19

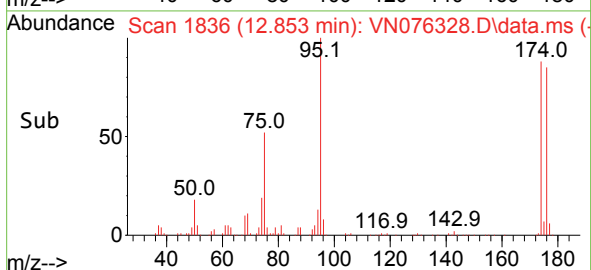
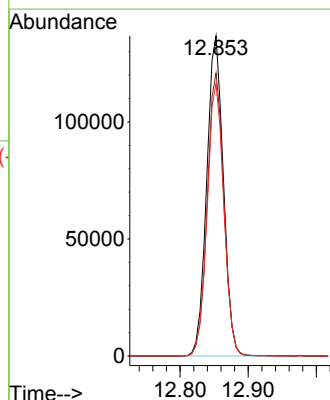
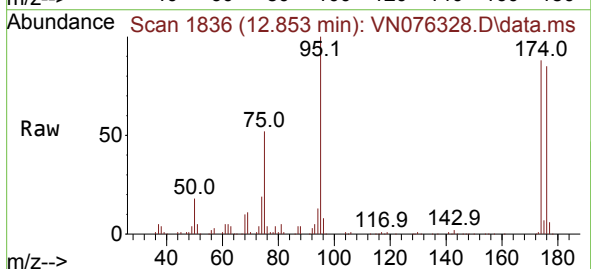
Instrument :
MSVOA_N
ClientSampleId :
MW-13-0118DL

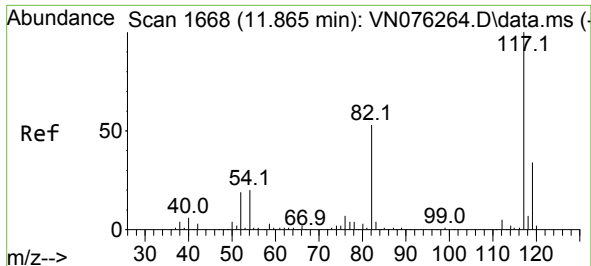
Tgt Ion: 43 Resp: 2814
Ion Ratio Lower Upper
43 100
58 217.0 35.1 52.7#



#62
4-Bromofluorobenzene
Concen: 45.593 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076328.D
Acq: 19 Jan 2023 17:19

Tgt Ion: 95 Resp: 231887
Ion Ratio Lower Upper
95 100
174 88.2 0.0 174.6
176 85.2 0.0 167.8

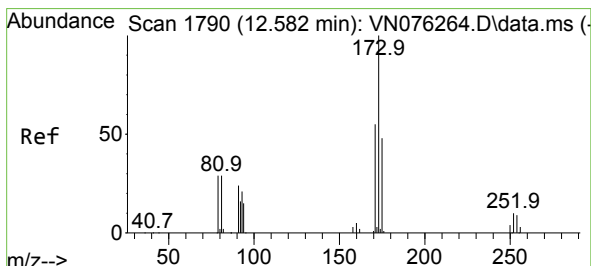
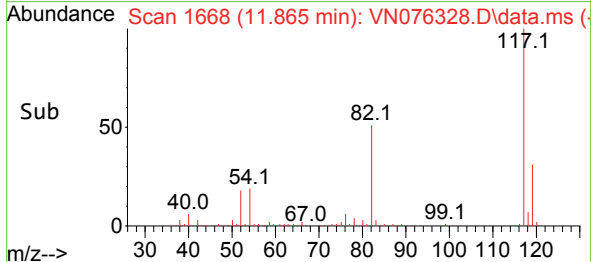
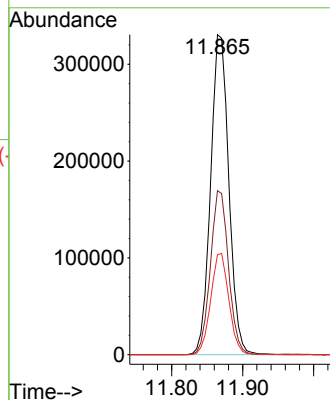
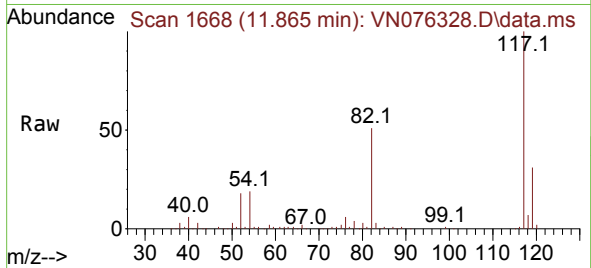




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076328.D
Acq: 19 Jan 2023 17:19

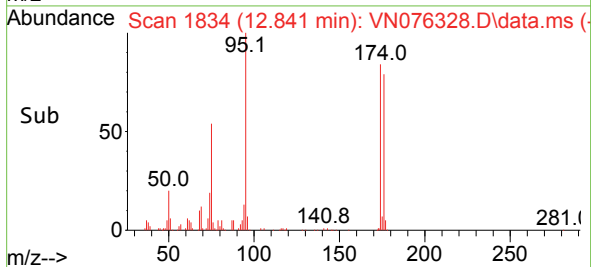
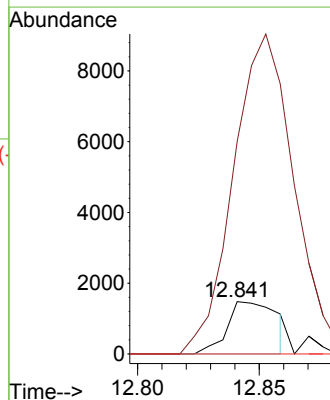
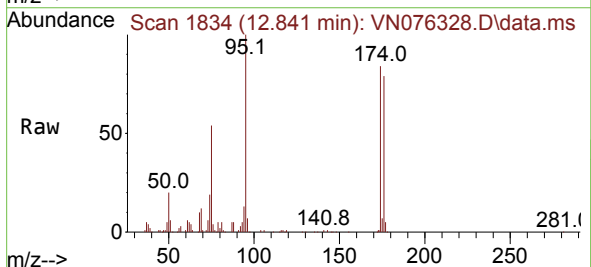
Instrument :
MSVOA_N
ClientSampleId :
MW-13-0118DL

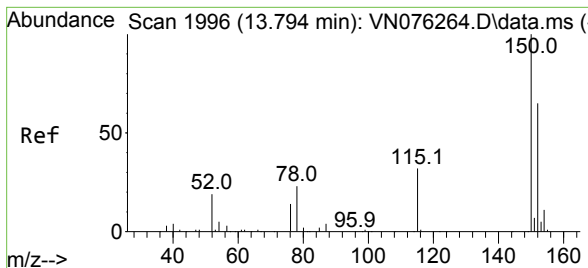
Tgt Ion:117 Resp: 590289
Ion Ratio Lower Upper
117 100
82 51.3 42.2 63.2
119 31.2 26.9 40.3



#71
Bromoform
Concen: 0.630 ug/l
RT: 12.841 min Scan# 1834
Delta R.T. 0.259 min
Lab File: VN076328.D
Acq: 19 Jan 2023 17:19

Tgt Ion:173 Resp: 2111
Ion Ratio Lower Upper
173 100
175 591.5 24.1 72.4#
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: VN076328.D

Acq: 19 Jan 2023 17:19

Instrument :

MSVOA_N

ClientSampleId :

MW-13-0118DL

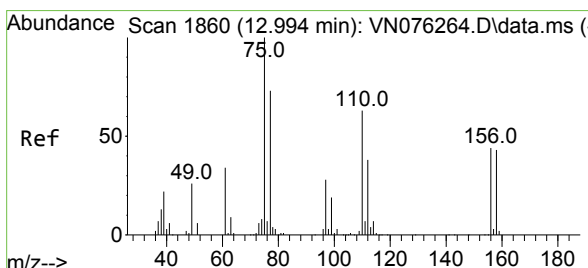
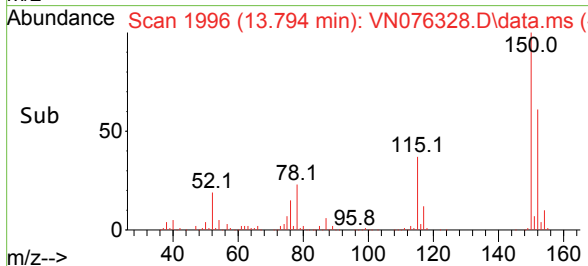
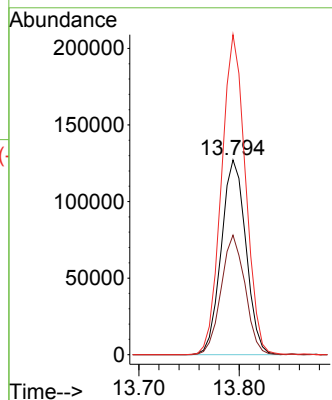
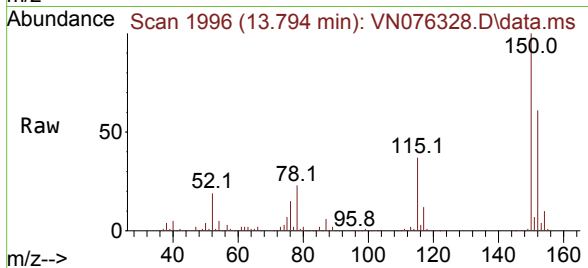
Tgt Ion:152 Resp: 216456

Ion Ratio Lower Upper

152 100

115 59.7 29.6 88.9

150 160.5 0.0 351.4



#76

1,2,3-Trichloropropane

Concen: 30.042 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076328.D

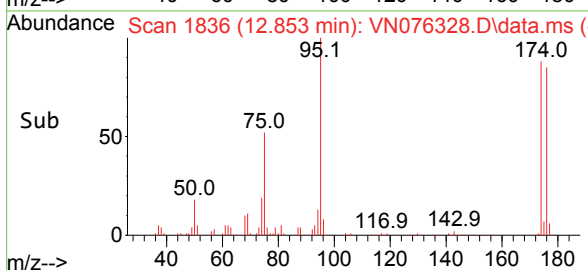
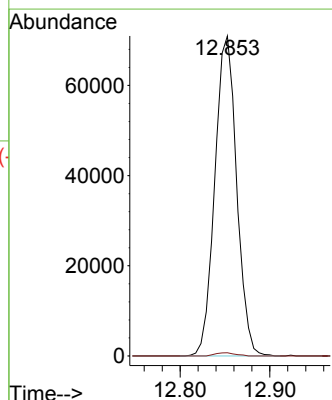
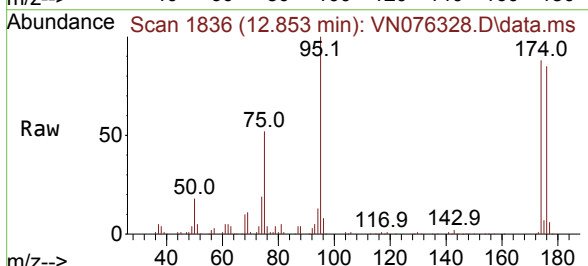
Acq: 19 Jan 2023 17:19

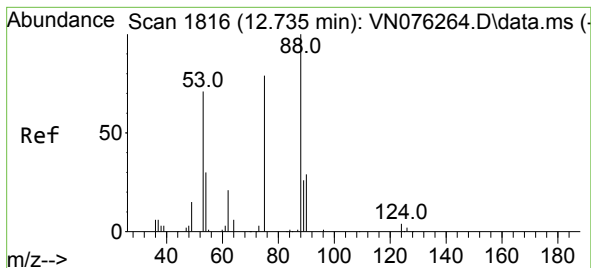
Tgt Ion: 75 Resp: 119957

Ion Ratio Lower Upper

75 100

77 0.9 75.2 225.6#

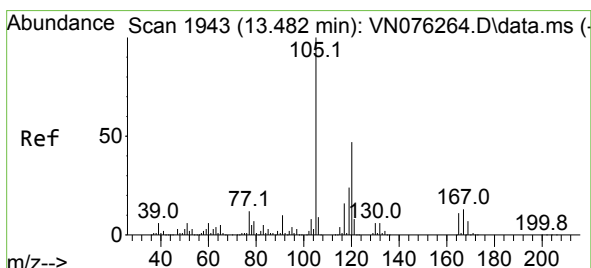
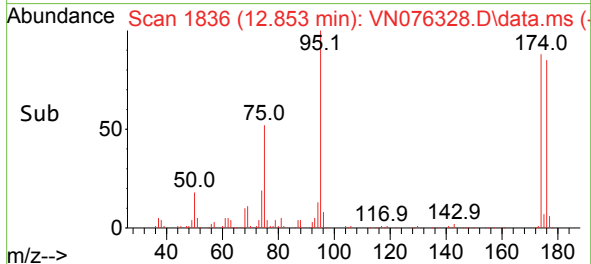
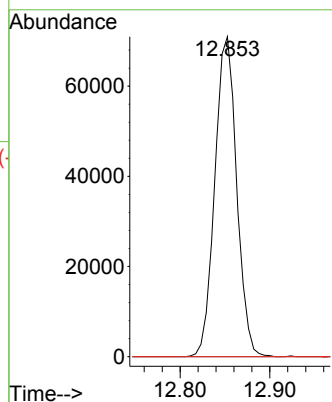
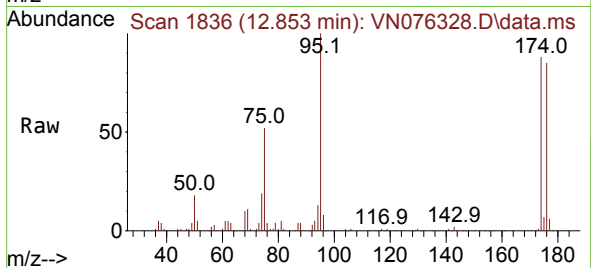




#81
trans-1,4-Dichloro-2-butene
Concen: 92.207 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076328.D
Acq: 19 Jan 2023 17:19

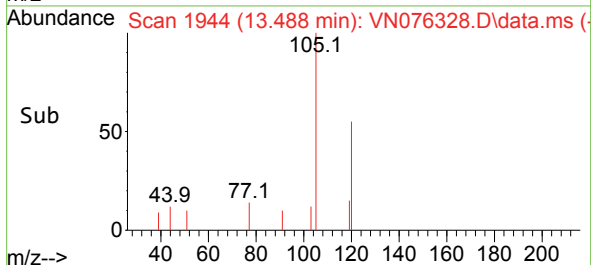
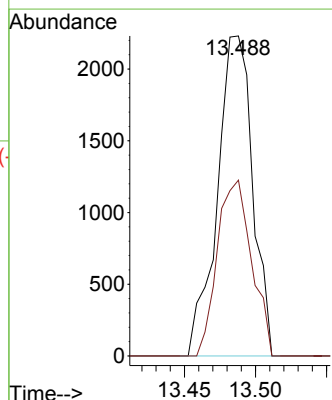
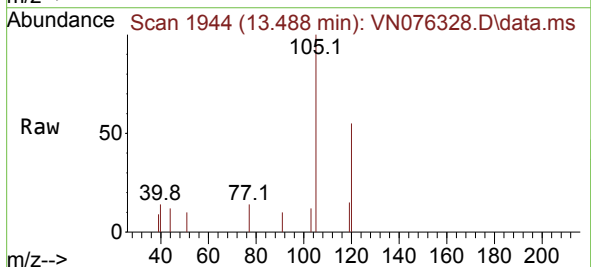
Instrument :
MSVOA_N
ClientSampleId :
MW-13-0118DL

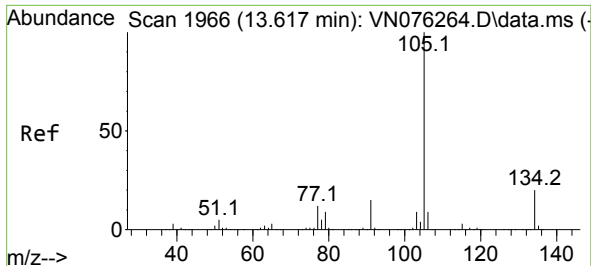
Tgt Ion: 75 Resp: 119957
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.275 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN076328.D
Acq: 19 Jan 2023 17:19

Tgt Ion: 105 Resp: 3862
Ion Ratio Lower Upper
105 100
120 53.3 22.9 68.5

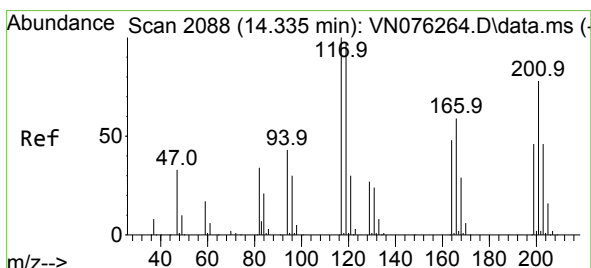
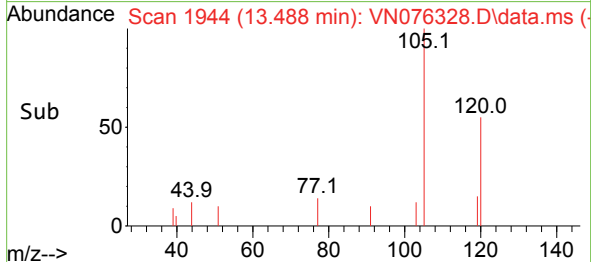
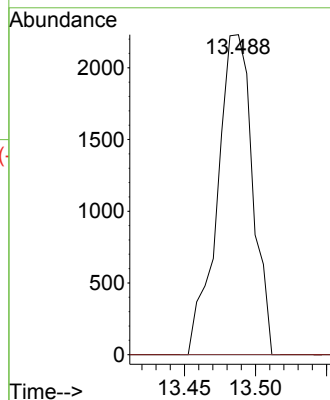
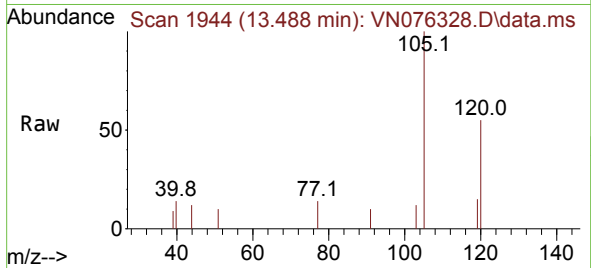




#85
 sec-Butylbenzene
 Concen: 0.223 ug/l
 RT: 13.488 min Scan# 1966
 Delta R.T. -0.129 min
 Lab File: VN076328.D
 Acq: 19 Jan 2023 17:19

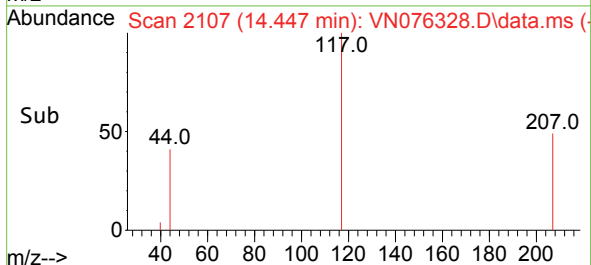
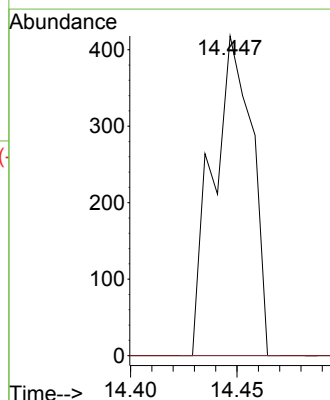
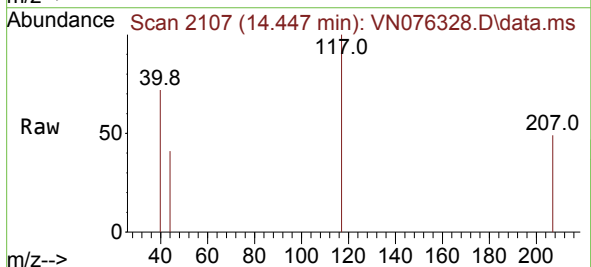
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13-0118DL

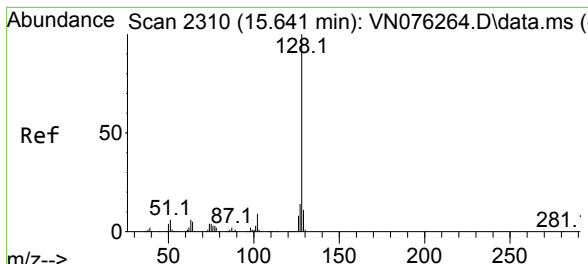
Tgt Ion:105 Resp: 3862
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.3 30.8#



#90
 Hexachloroethane
 Concen: 0.219 ug/l
 RT: 14.447 min Scan# 2107
 Delta R.T. 0.112 min
 Lab File: VN076328.D
 Acq: 19 Jan 2023 17:19

Tgt Ion:117 Resp: 537
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.3 111.9#





#95
 Naphthalene
 Concen: 2.275 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076328.D
 Acq: 19 Jan 2023 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13-0118DL

Tgt Ion:	128	Resp:	5096
Ion	Ratio	Lower	Upper
128	100		
127	10.7	10.3	15.5
129	8.7	8.6	13.0

