

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053023\
 Data File : VN077972.D
 Acq On : 30 May 2023 16:15
 Operator : JC\MD
 Sample : 02973-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WEST-DITCH-IN-20230526

Quant Time: May 31 02:09:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

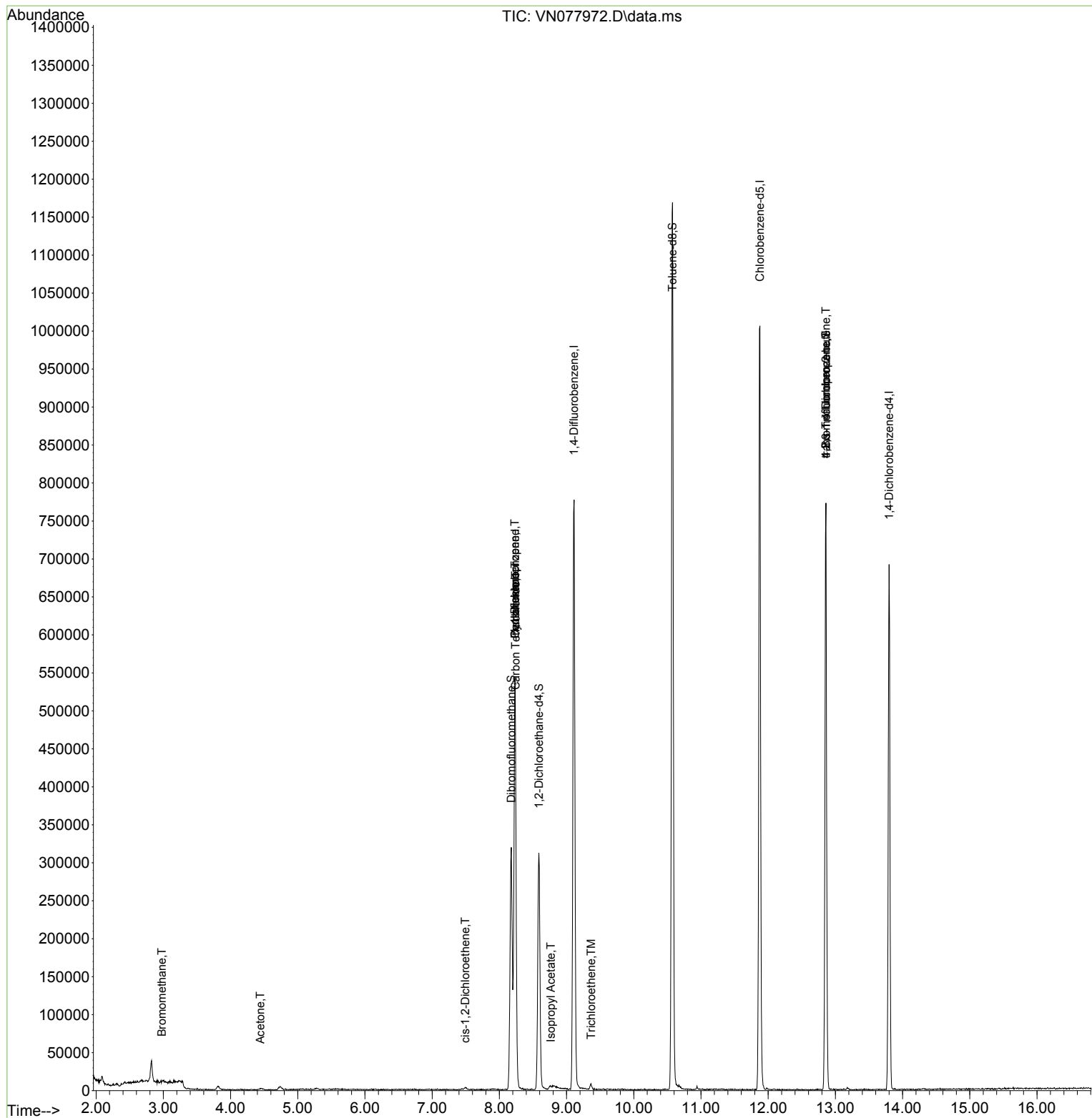
Internal Standards						
1) Pentafluorobenzene	8.235	168	386198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	689712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	605861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	187266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	264233	45.727	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.460%		
35) Dibromofluoromethane	8.177	113	228116	50.720	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.440%		
50) Toluene-d8	10.576	98	856150	49.456	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.920%		
62) 4-Bromofluorobenzene	12.859	95	266273	43.551	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.100%		
Target Compounds						
3) Chloromethane	2.371	50	1514	Below Cal	#	80
5) Bromomethane	2.977	94	1556	0.380	ug/l	90
13) Acrolein	4.206	56	111	Below Cal	#	34
16) Acetone	4.441	43	903	0.497	ug/l #	84
20) Methylene Chloride	5.294	84	510	Below Cal	#	62
27) cis-1,2-Dichloroethene	7.494	96	1866	0.341	ug/l	88
31) Cyclohexane	8.235	56	8084	1.029	ug/l #	19
36) 1,1-Dichloropropene	8.229	75	34393	5.228	ug/l #	46
38) Carbon Tetrachloride	8.241	117	41721	6.281	ug/l #	16
43) Isopropyl Acetate	8.765	43	4314	0.450	ug/l #	49
44) Trichloroethene	9.365	130	2617	0.532	ug/l	80
76) 1,2,3-Trichloropropane	12.859	75	147882	31.533	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	147882	100.795	ug/l #	15

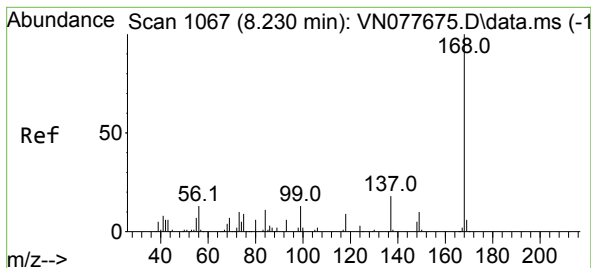
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN077972.D

Acq: 30 May 2023 16:15

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MSVOA_N

ClientSampleId :

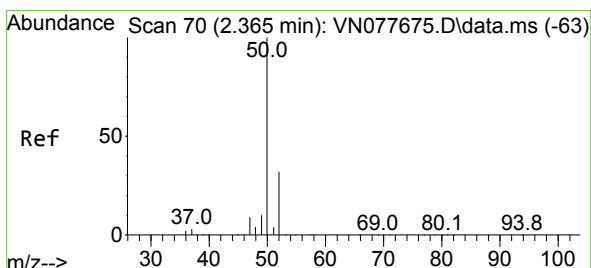
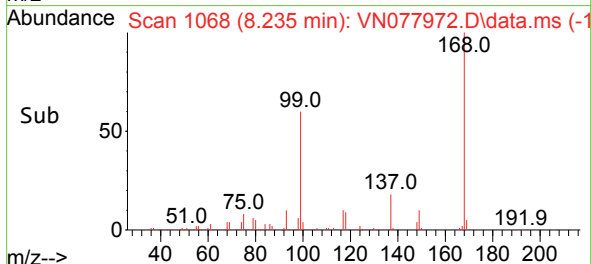
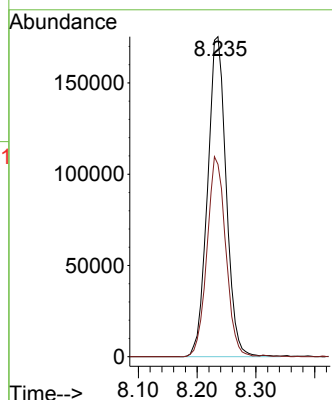
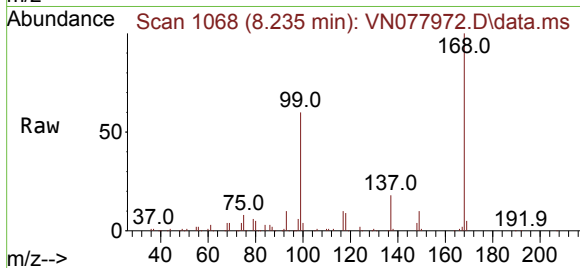
WEST-DITCH-IN-20230526

Tgt Ion:168 Resp: 386198

Ion Ratio Lower Upper

168 100

99 60.1 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN077972.D

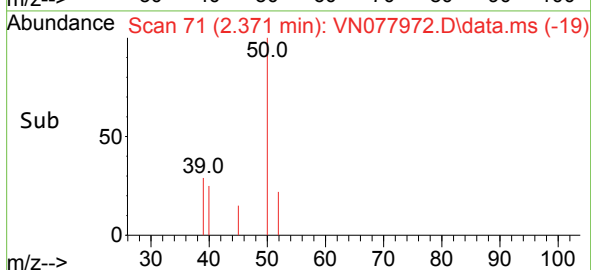
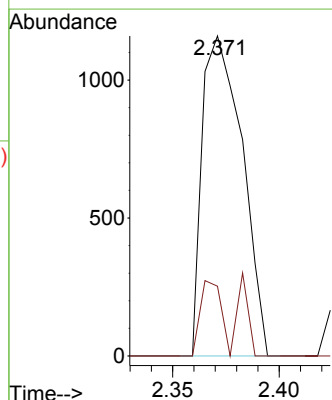
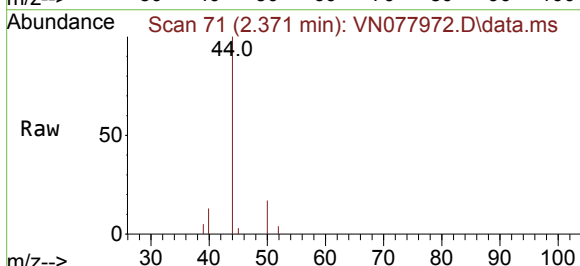
Acq: 30 May 2023 16:15

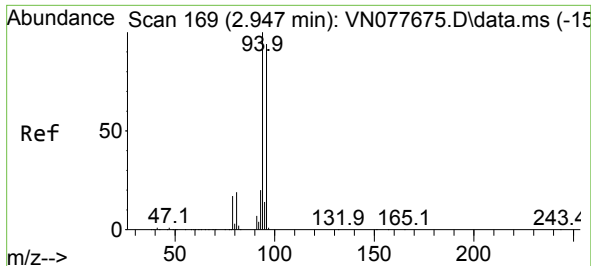
Tgt Ion: 50 Resp: 1514

Ion Ratio Lower Upper

50 100

52 21.8 26.5 39.7#

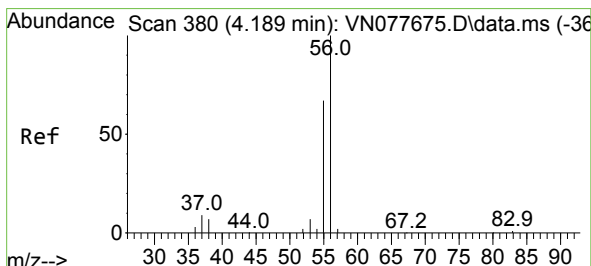
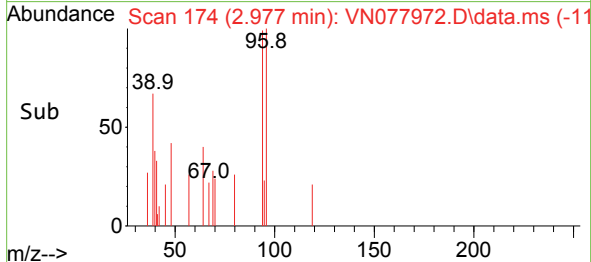
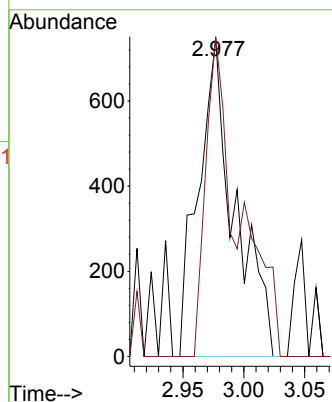
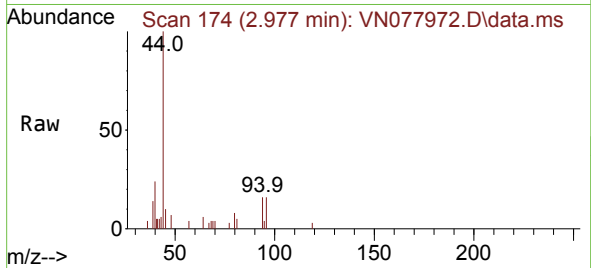




#5
Bromomethane
Concen: 0.380 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN077972.D
Acq: 30 May 2023 16:15

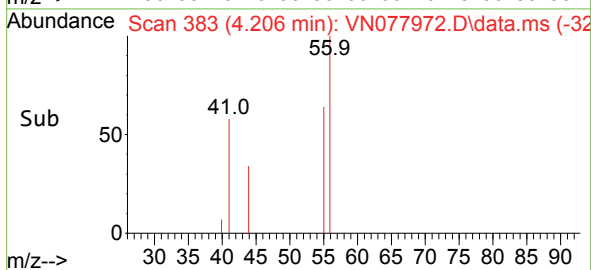
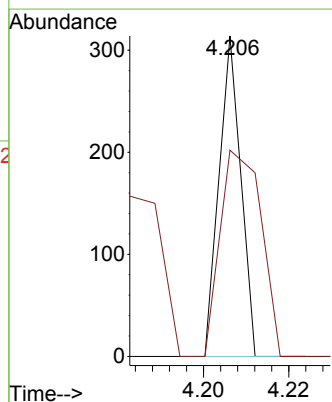
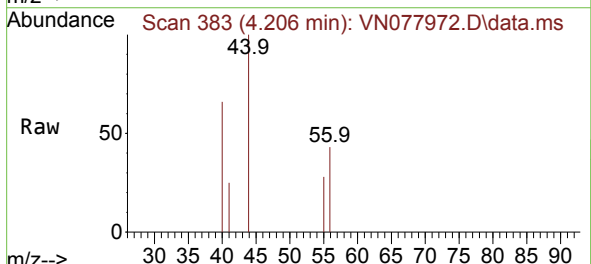
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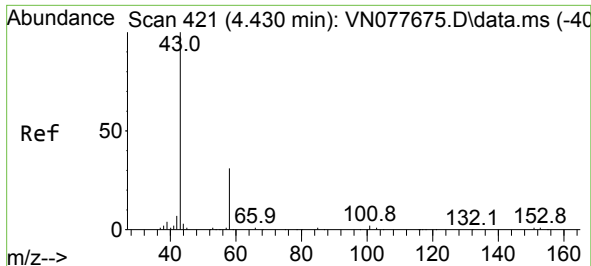
Tgt Ion: 94 Resp: 1556
Ion Ratio Lower Upper
94 100
96 100.5 73.1 109.7



#13
Acrolein
Concen: Below Cal
RT: 4.206 min Scan# 383
Delta R.T. 0.017 min
Lab File: VN077972.D
Acq: 30 May 2023 16:15

Tgt Ion: 56 Resp: 111
Ion Ratio Lower Upper
56 100
55 121.6 54.5 81.7#

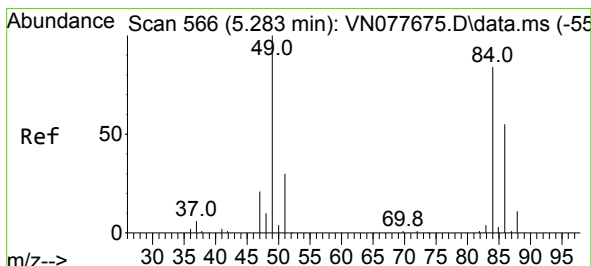
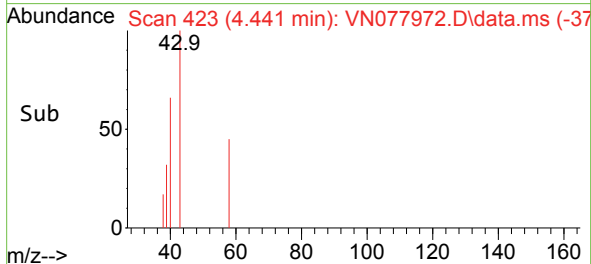
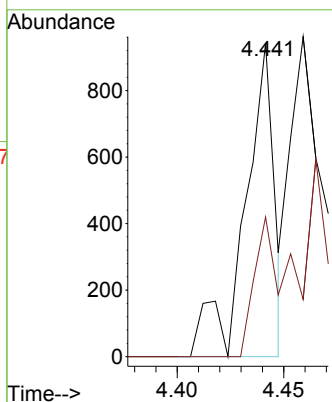
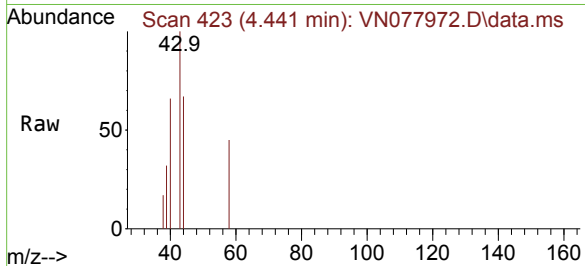




#16
Acetone
Concen: 0.497 ug/l
RT: 4.441 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN077972.D
Acq: 30 May 2023 16:15

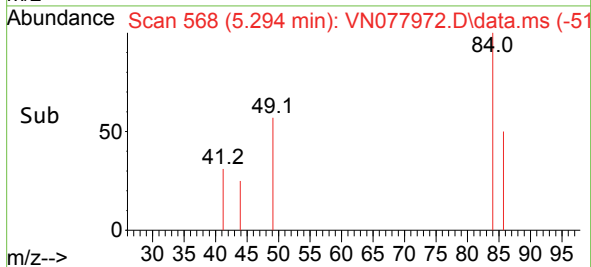
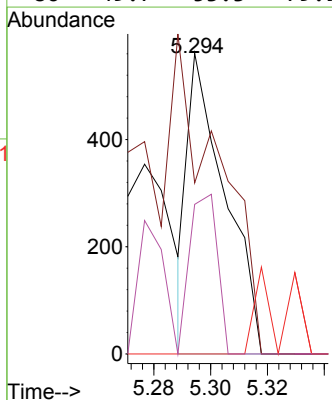
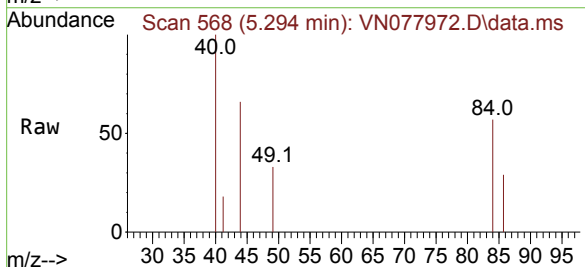
Instrument :
MSVOA_N
ClientSampleId :
WEST-DITCH-IN-20230526

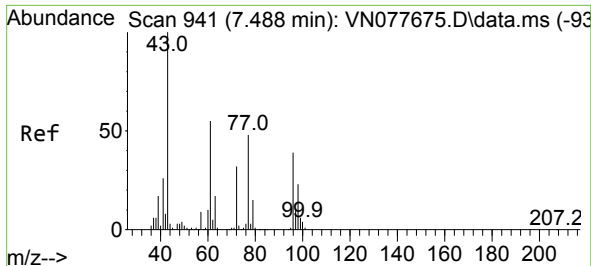
Tgt Ion: 43 Resp: 903
Ion Ratio Lower Upper
43 100
58 44.5 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 568
Delta R.T. 0.011 min
Lab File: VN077972.D
Acq: 30 May 2023 16:15

Tgt Ion: 84 Resp: 510
Ion Ratio Lower Upper
84 100
49 56.9 79.7 119.5#
51 0.0 25.2 37.8#
86 49.7 53.3 79.9#

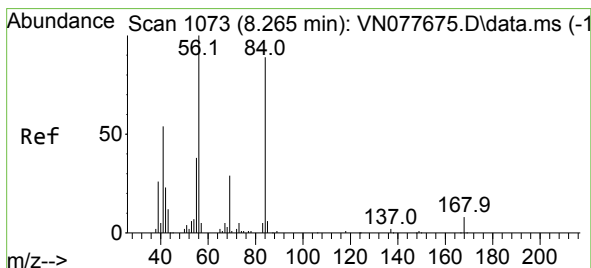
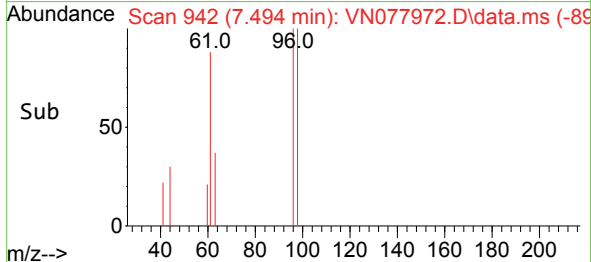
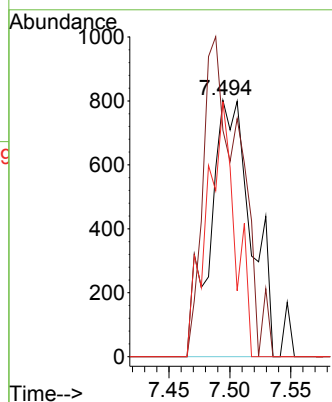
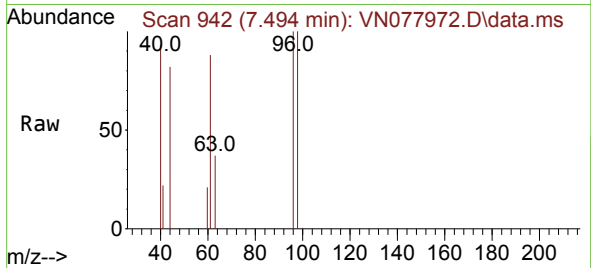




#27
 cis-1,2-Dichloroethene
 Concen: 0.341 ug/l
 RT: 7.494 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN077972.D
 Acq: 30 May 2023 16:15

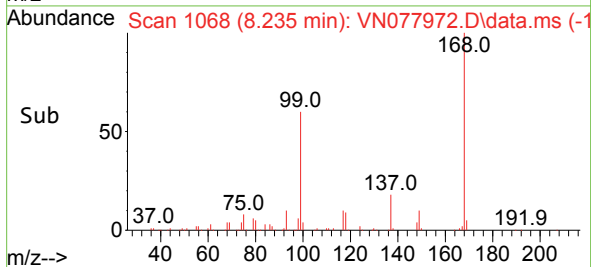
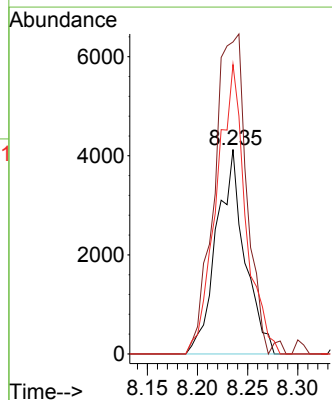
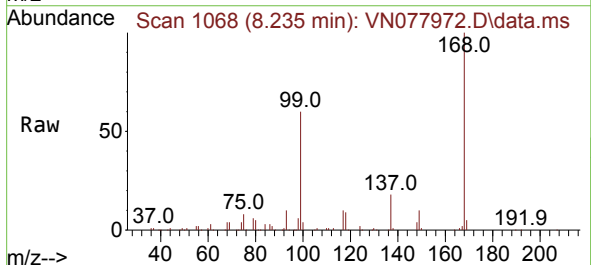
Instrument :
 MSVOA_N
 ClientSampleId :
 WEST-DITCH-IN-20230526

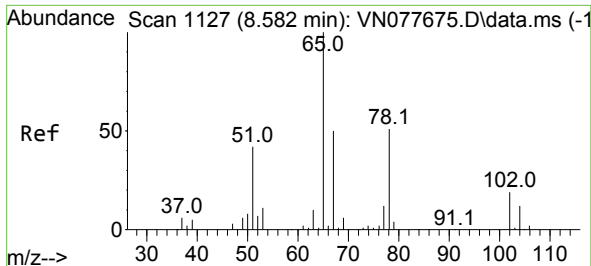
Tgt Ion: 96 Resp: 1866
 Ion Ratio Lower Upper
 96 100
 61 110.6 0.0 255.2
 98 69.3 0.0 128.8



#31
 Cyclohexane
 Concen: 1.029 ug/l
 RT: 8.235 min Scan# 1068
 Delta R.T. -0.030 min
 Lab File: VN077972.D
 Acq: 30 May 2023 16:15

Tgt Ion: 56 Resp: 8084
 Ion Ratio Lower Upper
 56 100
 69 152.6 26.8 40.2#
 84 141.6 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 45.727 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077972.D

Acq: 30 May 2023 16:15

Instrument :

MSVOA_N

ClientSampleId :

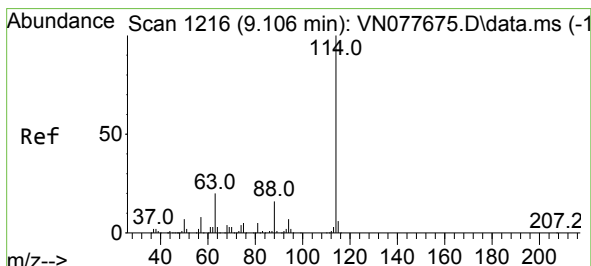
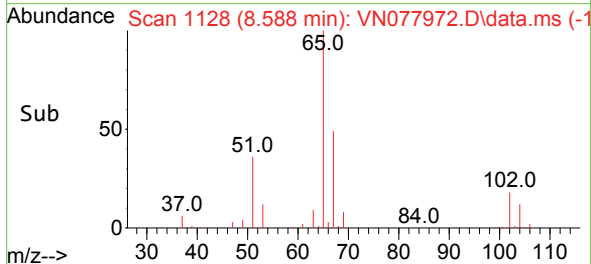
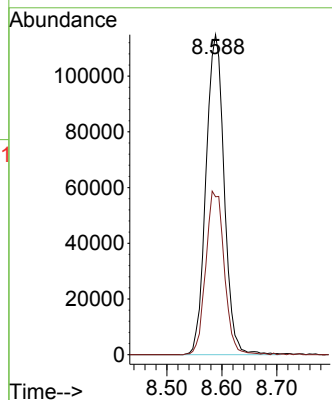
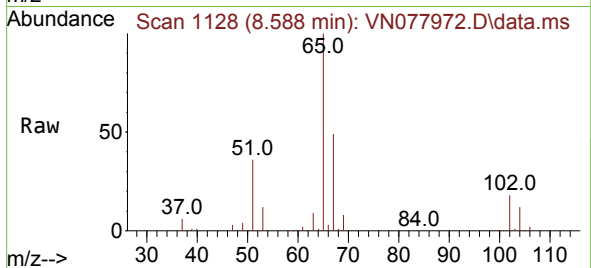
WEST-DITCH-IN-20230526

Tgt Ion: 65 Resp: 264233

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN077972.D

Acq: 30 May 2023 16:15

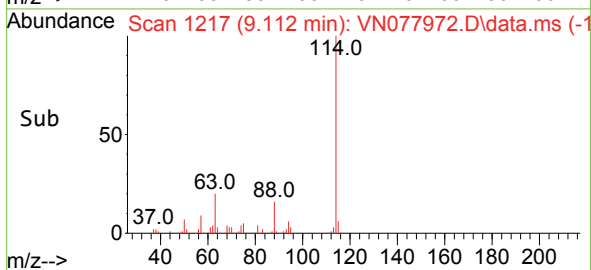
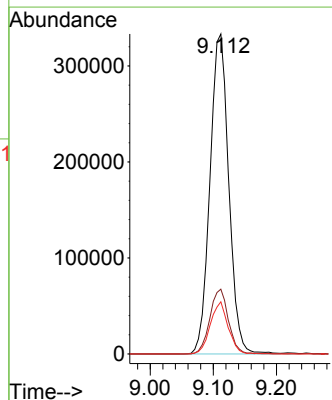
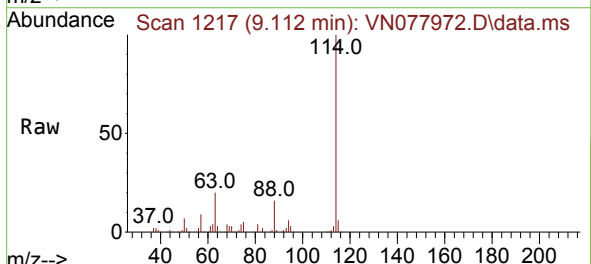
Tgt Ion: 114 Resp: 689712

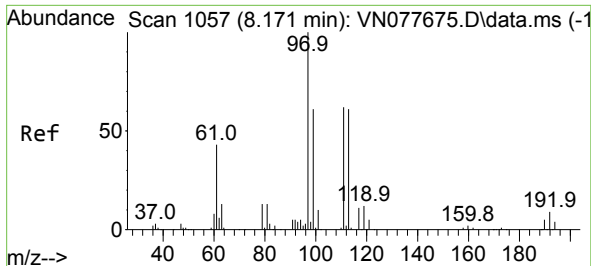
Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 16.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.720 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077972.D

Acq: 30 May 2023 16:15

Instrument :

MSVOA_N

ClientSampleId :

WEST-DITCH-IN-20230526

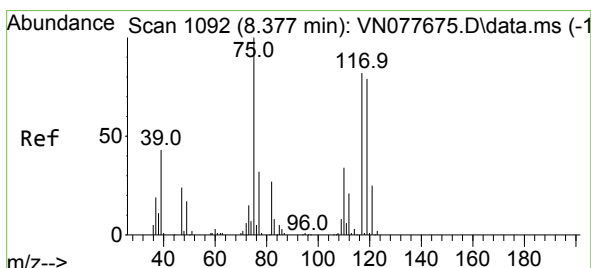
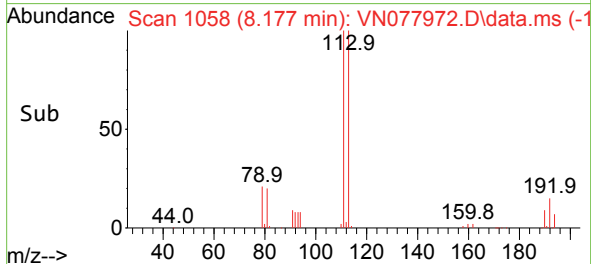
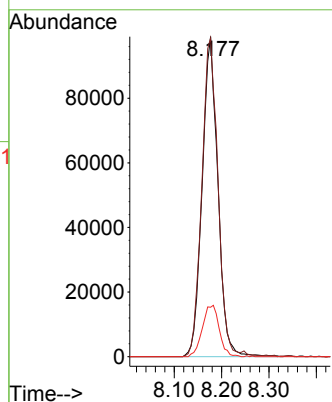
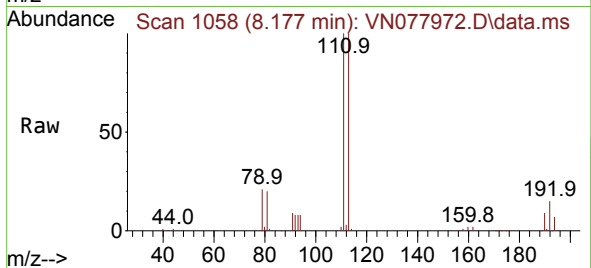
Tgt Ion:113 Resp: 228116

Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 17.3 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.228 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

Lab File: VN077972.D

Acq: 30 May 2023 16:15

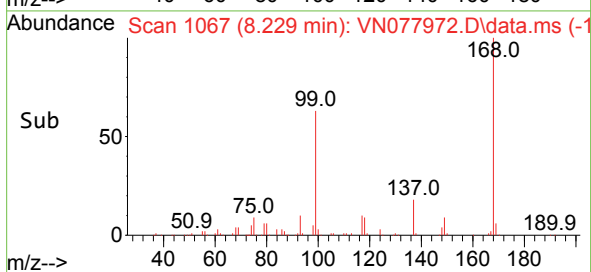
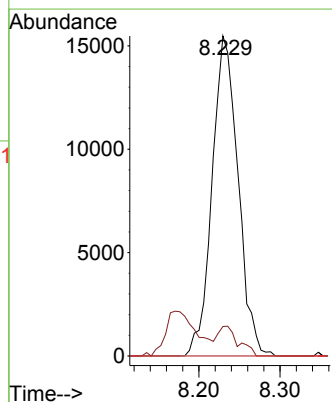
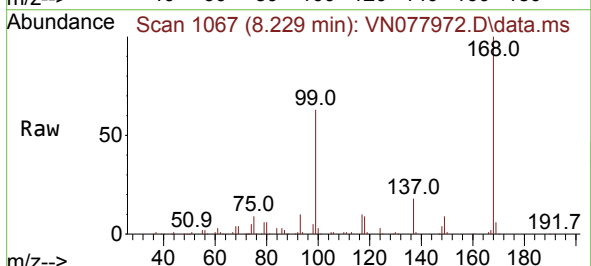
Tgt Ion: 75 Resp: 34393

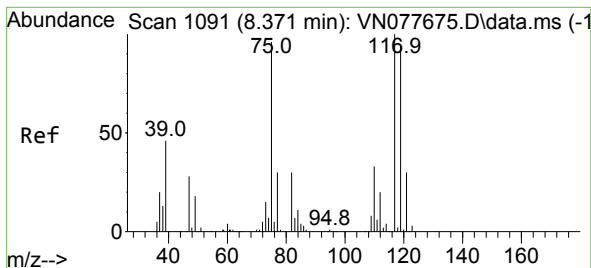
Ion Ratio Lower Upper

75 100

110 7.3 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.281 ug/l

RT: 8.241 min Scan# 1109

Delta R.T. -0.130 min

Lab File: VN077972.D

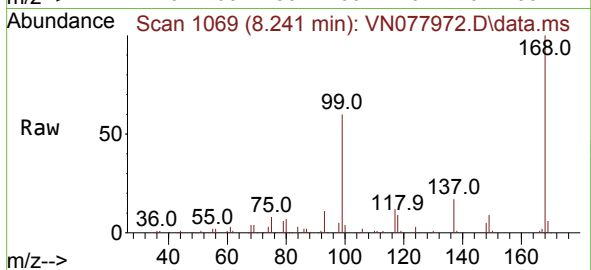
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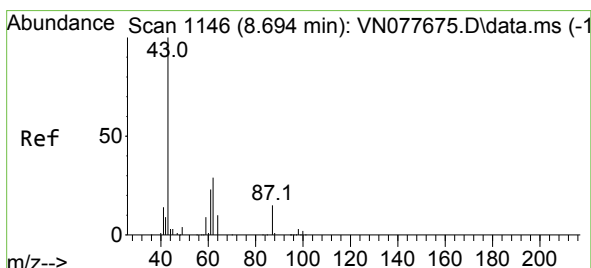
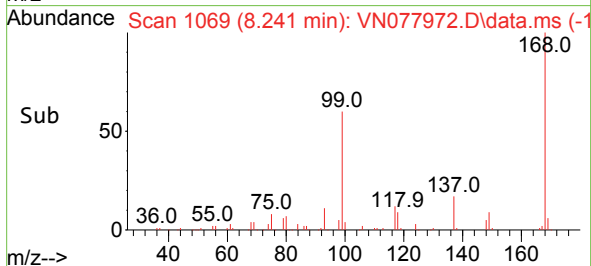
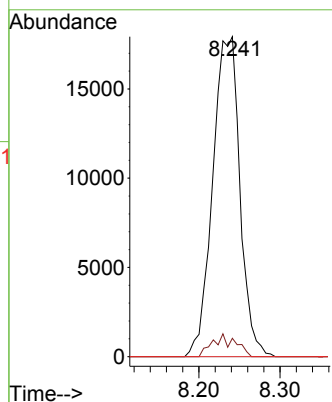
Tgt Ion:117 Resp: 41721

Ion Ratio Lower Upper

117 100

119 5.8 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.450 ug/l

RT: 8.765 min Scan# 1158

Delta R.T. 0.071 min

Lab File: VN077972.D

Acq: 30 May 2023 16:15

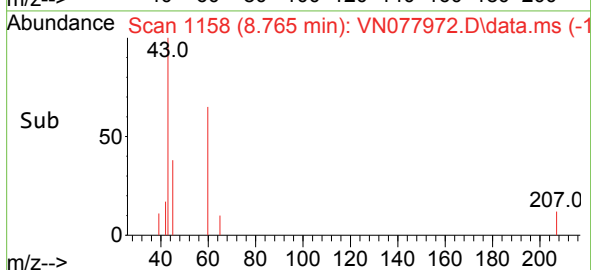
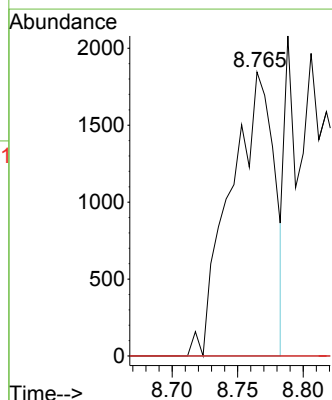
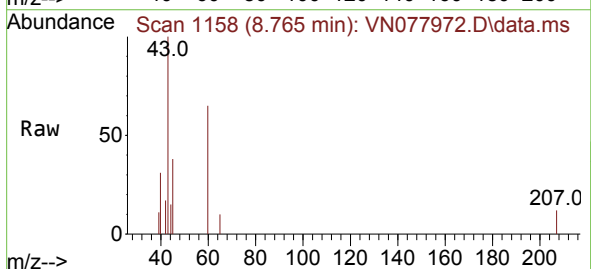
Tgt Ion: 43 Resp: 4314

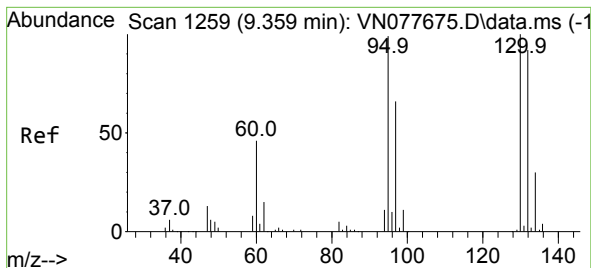
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#





#44

Trichloroethene

Concen: 0.532 ug/l

RT: 9.365 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077972.D

Acq: 30 May 2023 16:15

Instrument :

MSVOA_N

ClientSampleId :

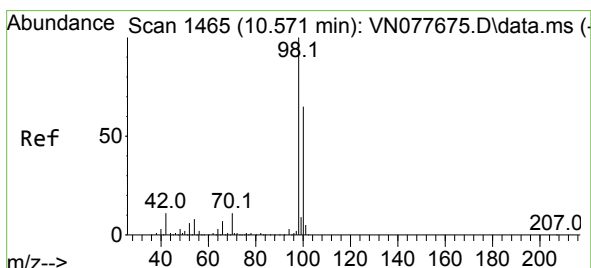
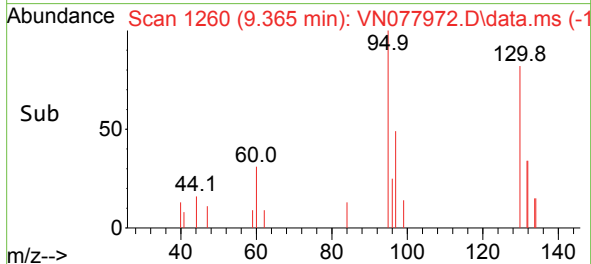
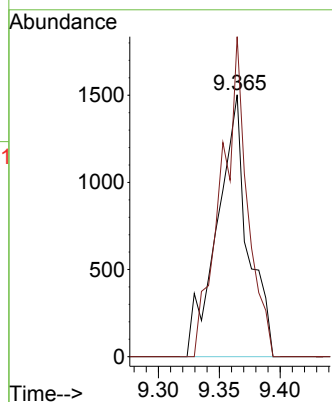
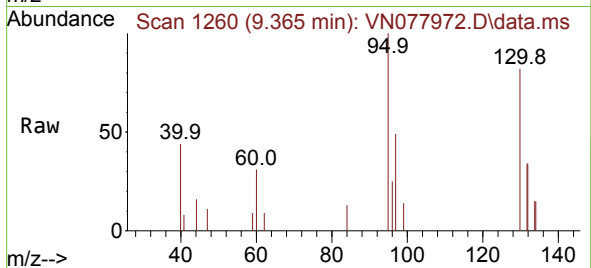
WEST-DITCH-IN-20230526

Tgt Ion:130 Resp: 2617

Ion Ratio Lower Upper

130 100

95 122.2 0.0 204.6



#50

Toluene-d8

Concen: 49.456 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.005 min

Lab File: VN077972.D

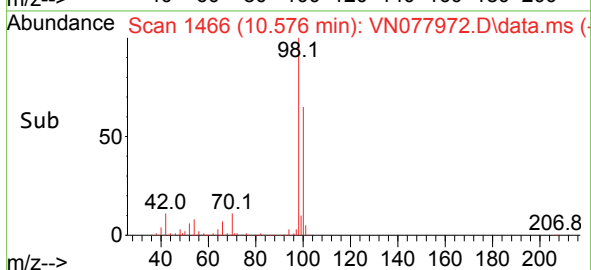
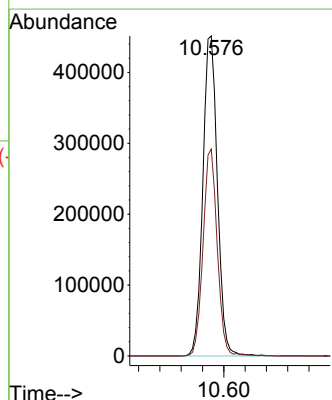
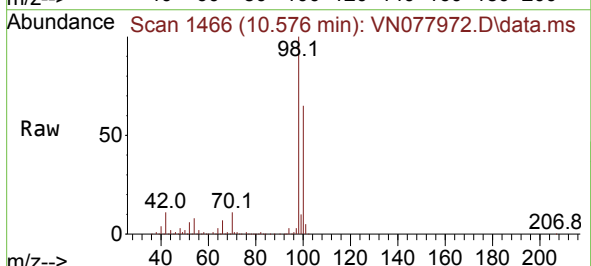
Acq: 30 May 2023 16:15

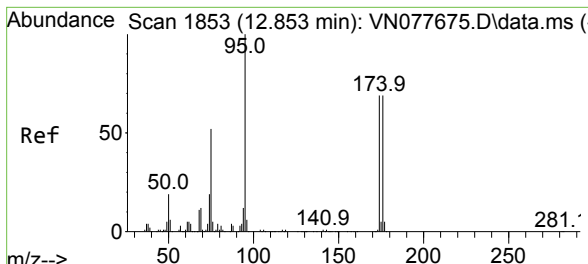
Tgt Ion: 98 Resp: 856150

Ion Ratio Lower Upper

98 100

100 62.8 52.0 78.0

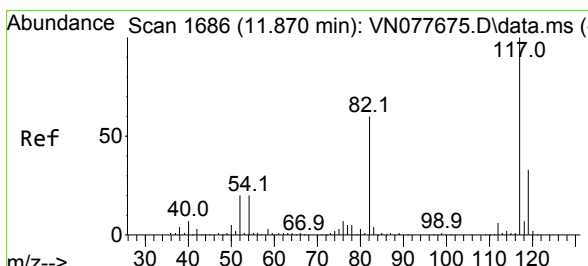
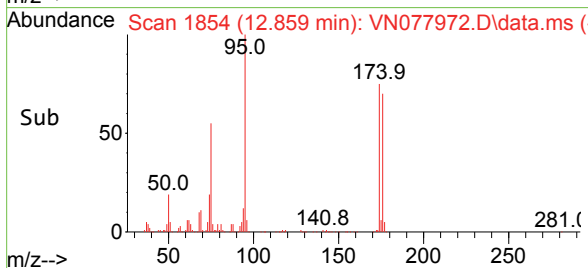
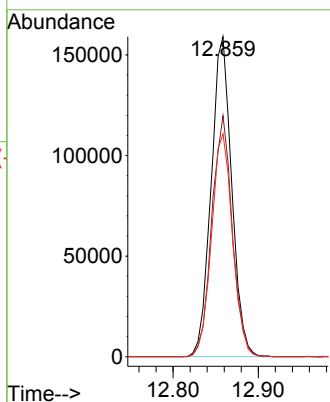
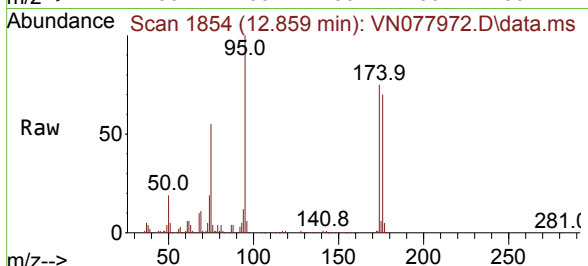




#62
4-Bromofluorobenzene
Concen: 43.551 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077972.D
Acq: 30 May 2023 16:15

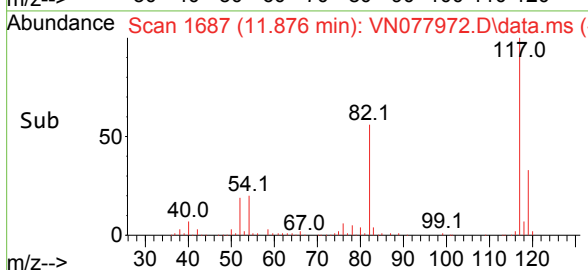
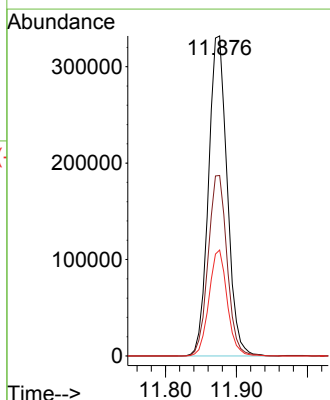
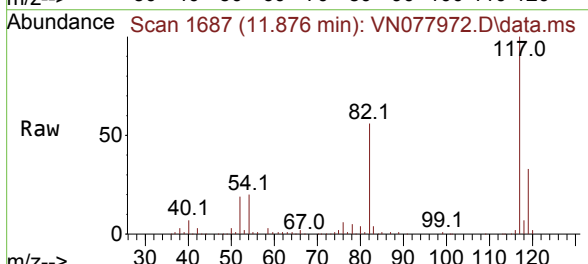
Instrument :
MSVOA_N
ClientSampleId :
WEST-DITCH-IN-20230526

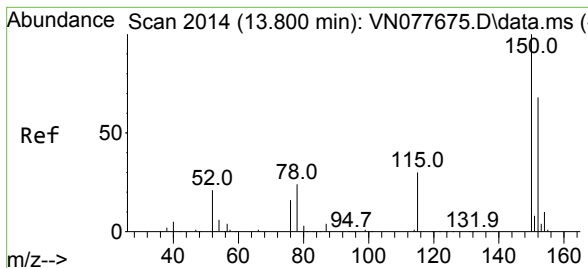
Tgt Ion:	95	Resp:	266273
Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	143.8
176	71.2	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VN077972.D
Acq: 30 May 2023 16:15

Tgt Ion:	117	Resp:	605861
Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.0	66.0
119	33.1	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN077972.D

Acq: 30 May 2023 16:15

Instrument :

MSVOA_N

ClientSampleId :

WEST-DITCH-IN-20230526

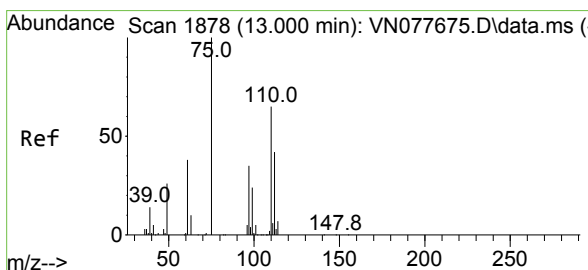
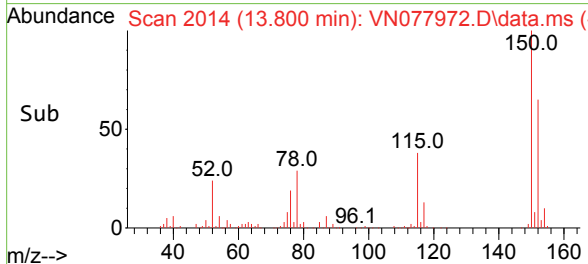
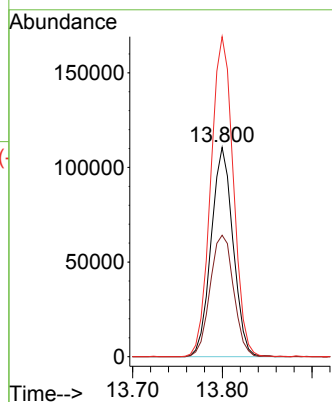
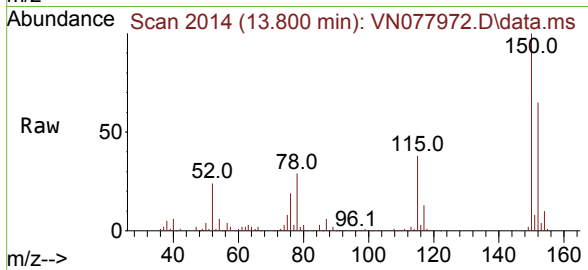
Tgt Ion:152 Resp: 187266

Ion Ratio Lower Upper

152 100

115 62.4 32.3 96.8

150 157.5 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 31.533 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN077972.D

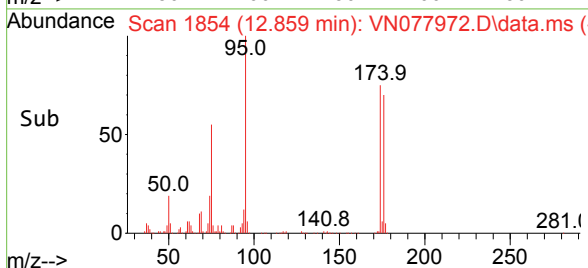
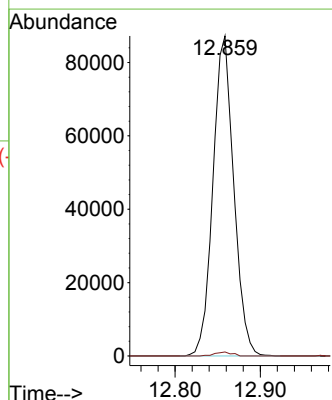
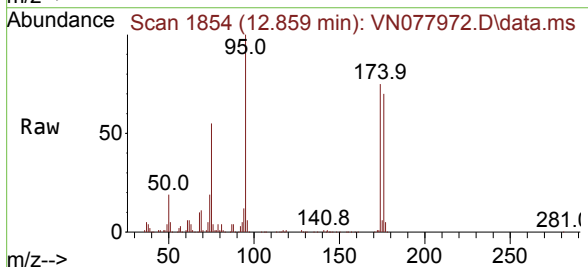
Acq: 30 May 2023 16:15

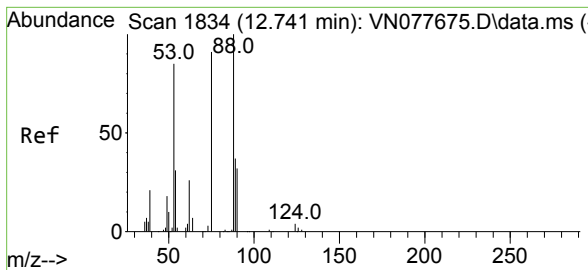
Tgt Ion: 75 Resp: 147882

Ion Ratio Lower Upper

75 100

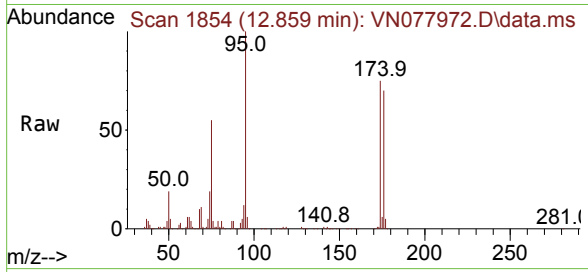
77 1.0 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.795 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN077972.D
 Acq: 30 May 2023 16:15

Instrument :
 MSVOA_N
 ClientSampleId :
 WEST-DITCH-IN-20230526



Tgt Ion: 75 Resp: 147882
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.1 38.8 58.2#

