

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082251.D
 Acq On : 21 May 2024 19:31
 Operator : JC\MD
 Sample : P2563-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER

Quant Time: May 22 01:32:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

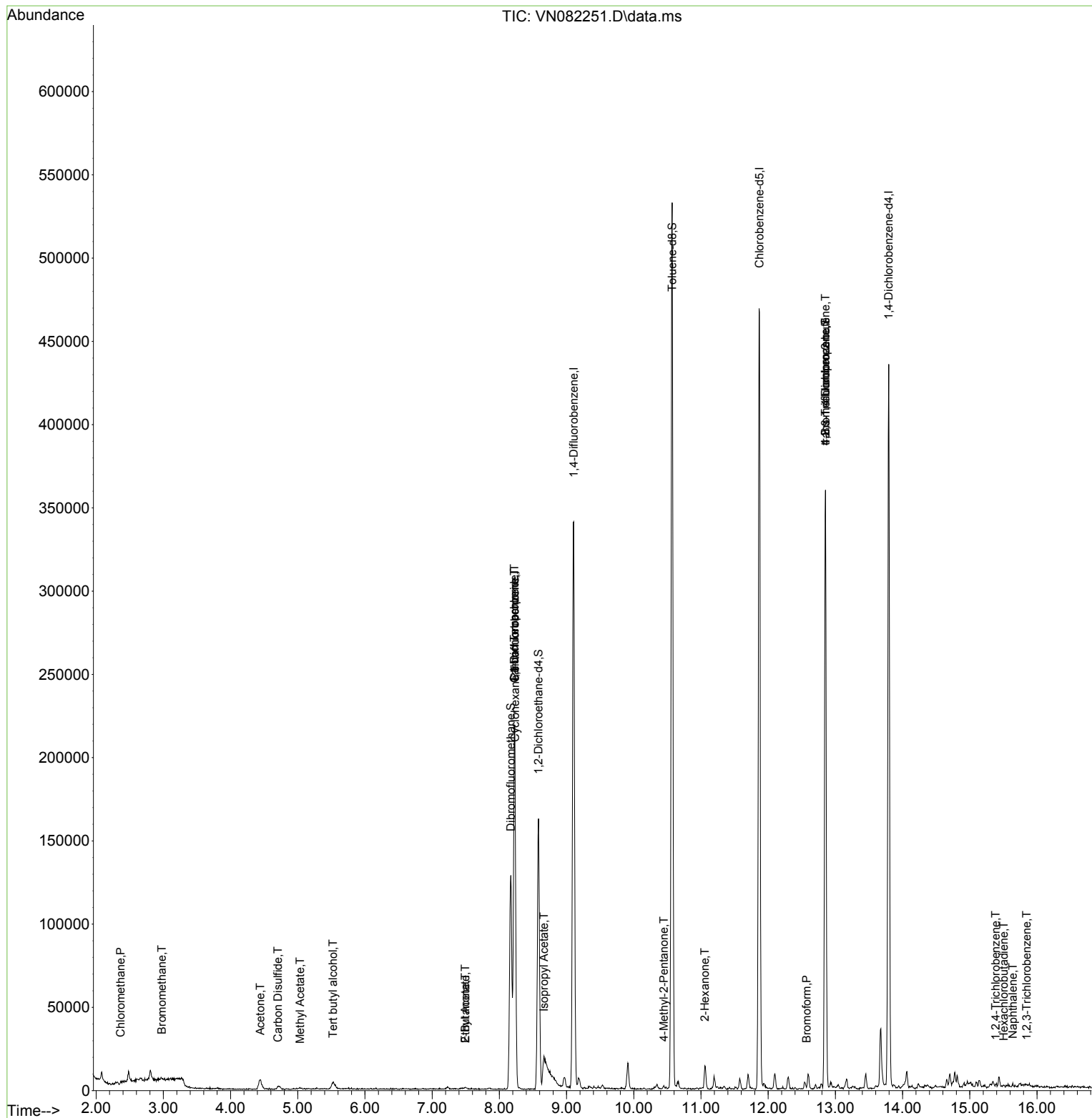
Internal Standards						
1) Pentafluorobenzene	8.230	168	151695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	274623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	255013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	106348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	128258	53.546	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.100%	
35) Dibromofluoromethane	8.171	113	90843	53.774	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.540%	
50) Toluene-d8	10.571	98	345897	53.405	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.820%	
62) 4-Bromofluorobenzene	12.853	95	117029	50.624	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 101.240%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	501	0.202	ug/l #	77
5) Bromomethane	2.977	94	624	0.466	ug/l #	78
11) Tert butyl alcohol	5.524	59	7144	18.580	ug/l #	90
16) Acetone	4.442	43	12258	12.475	ug/l	95
17) Carbon Disulfide	4.706	76	2089	0.390	ug/l #	74
18) Methyl Acetate	5.036	43	1313	0.537	ug/l #	56
25) 2-Butanone	7.494	43	2152	1.445	ug/l #	86
31) Cyclohexane	8.235	56	4337	1.134	ug/l #	39
36) 1,1-Dichloropropene	8.224	75	14738	5.202	ug/l #	49
37) Ethyl Acetate	7.494	43	2152	0.679	ug/l #	68
38) Carbon Tetrachloride	8.224	117	16775	5.841	ug/l #	16
43) Isopropyl Acetate	8.665	43	12833	2.284	ug/l #	52
51) 4-Methyl-2-Pentanone	10.447	43	2407	0.754	ug/l #	46
59) 2-Hexanone	11.059	43	10120	4.330	ug/l	66
71) Bromoform	12.570	173	54	0.737	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	67880	30.326	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67880	70.930	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.388	180	485	0.251	ug/l #	70
94) Hexachlorobutadiene	15.506	225	286	0.337	ug/l #	20
95) Naphthalene	15.641	128	1941	0.320	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.847	180	622	0.321	ug/l #	80

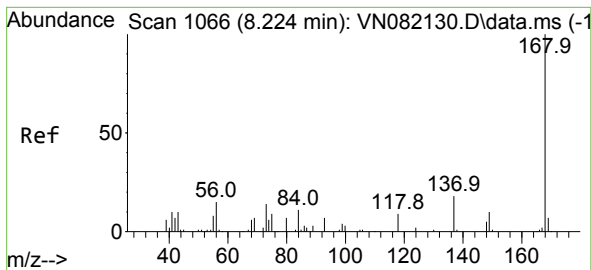
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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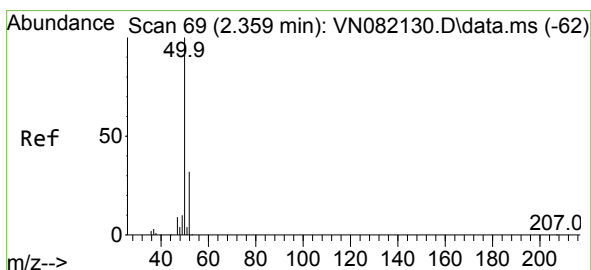
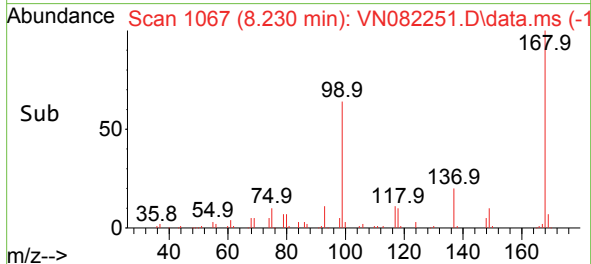
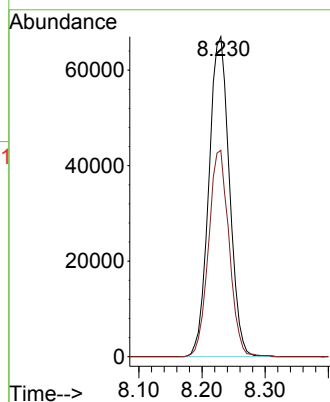
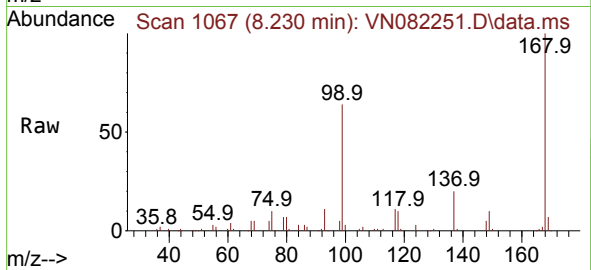




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

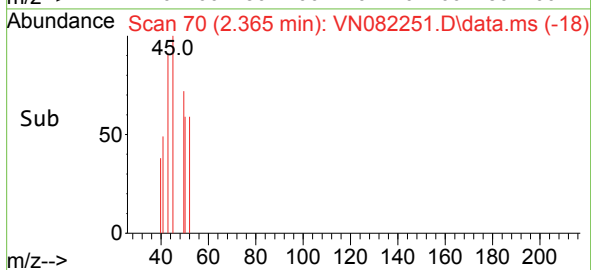
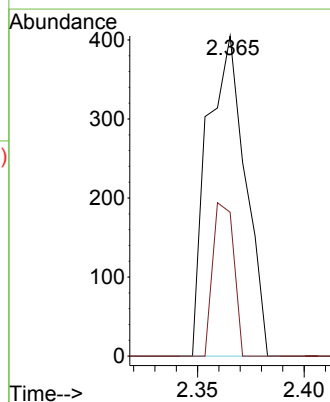
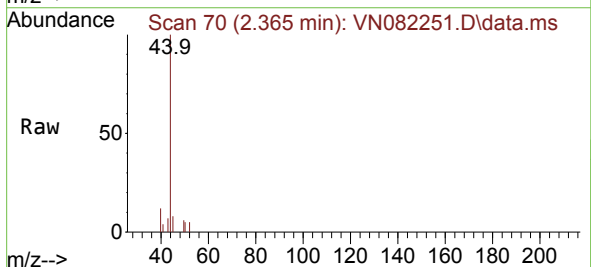
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

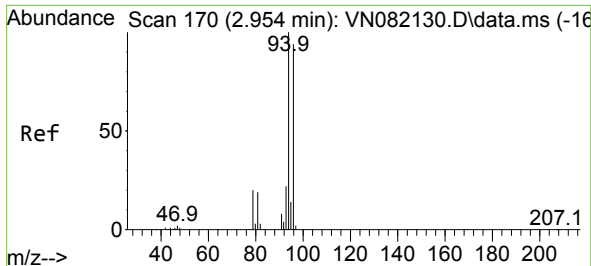
Tgt Ion:168 Resp: 151695
Ion Ratio Lower Upper
168 100
99 64.5 48.2 72.4



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

Tgt Ion: 50 Resp: 501
Ion Ratio Lower Upper
50 100
52 44.9 25.5 38.3#

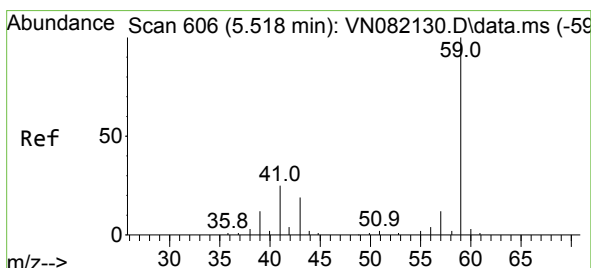
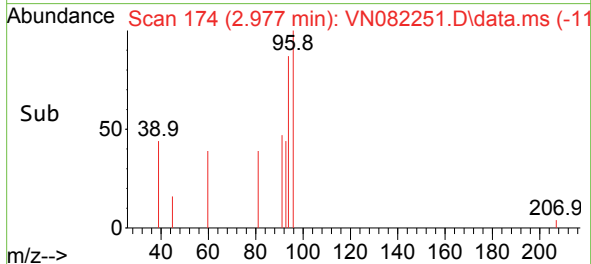
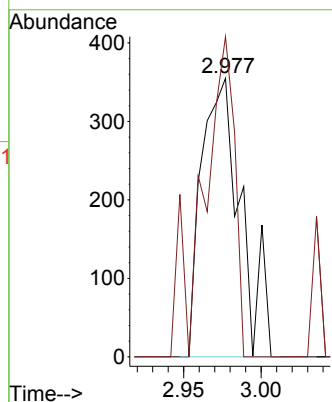
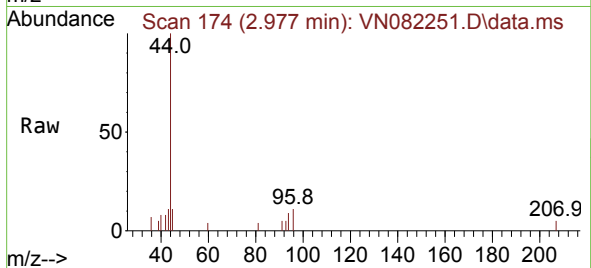




#5
Bromomethane
Concen: 0.466 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

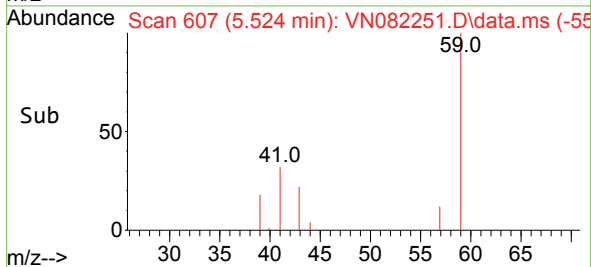
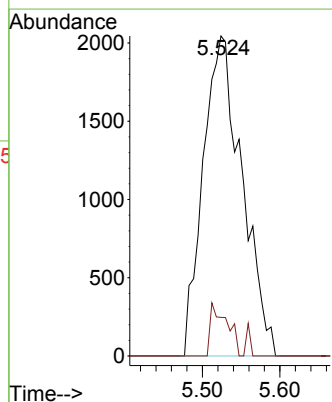
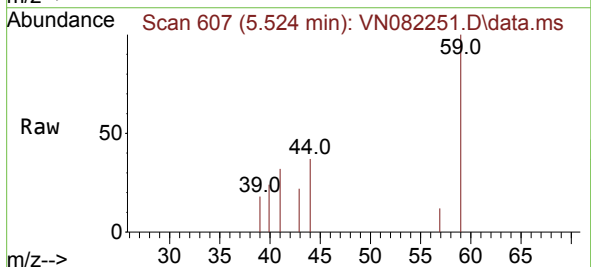
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

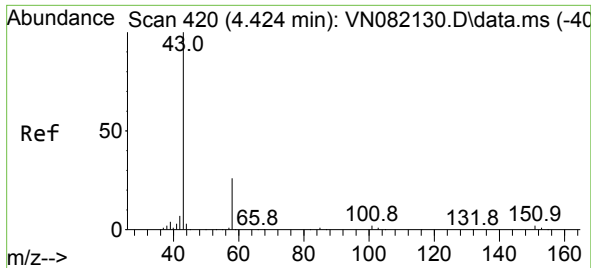
Tgt Ion: 94 Resp: 624
Ion Ratio Lower Upper
94 100
96 114.9 74.8 112.2#



#11
Tert butyl alcohol
Concen: 18.580 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

Tgt Ion: 59 Resp: 7144
Ion Ratio Lower Upper
59 100
57 7.2 8.9 13.3#

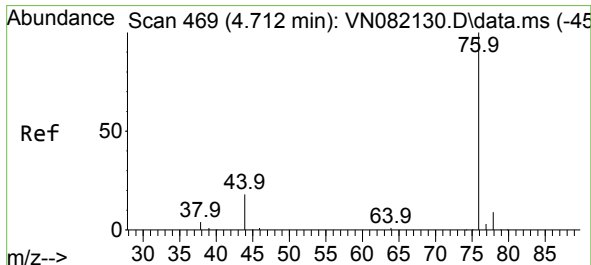
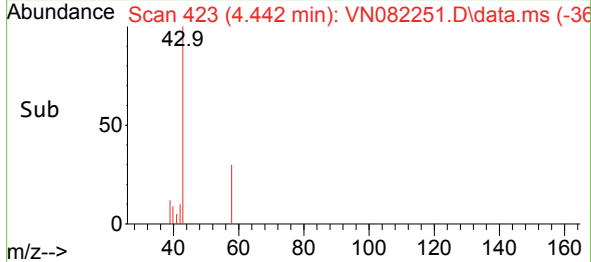
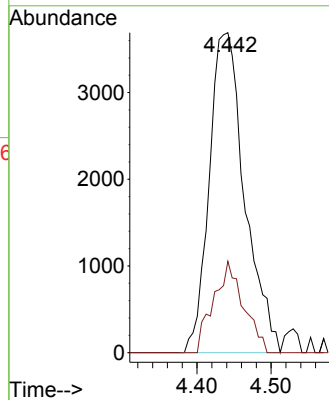
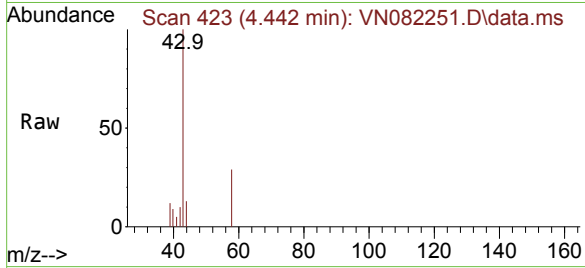




#16
Acetone
Concen: 12.475 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

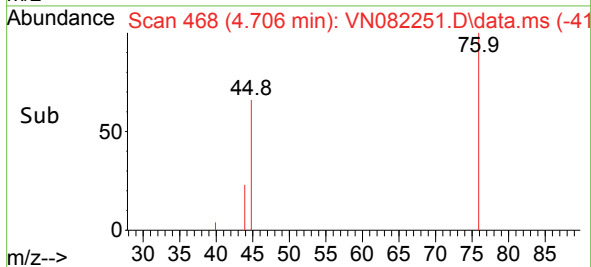
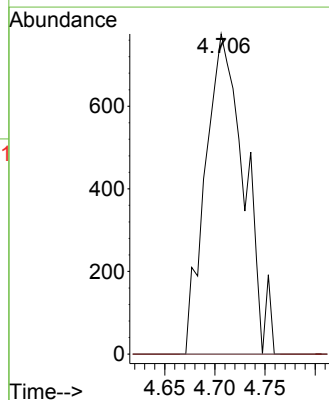
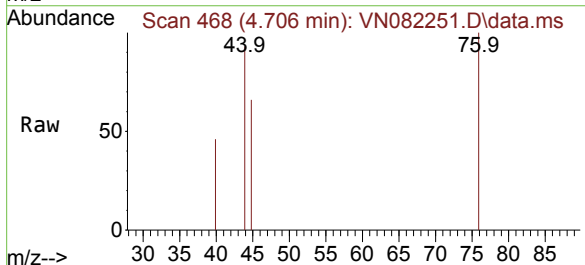
Instrument :
MSVOA_N
ClientSampleId :
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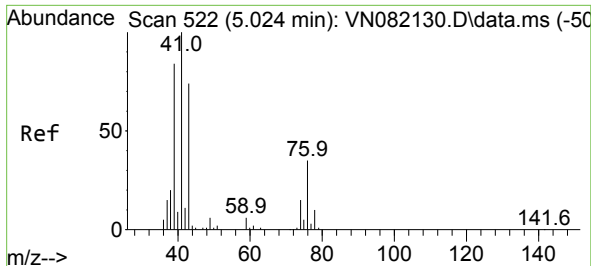
Tgt Ion: 43 Resp: 12258
Ion Ratio Lower Upper
43 100
58 28.5 25.2 37.8



#17
Carbon Disulfide
Concen: 0.390 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

Tgt Ion: 76 Resp: 2089
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

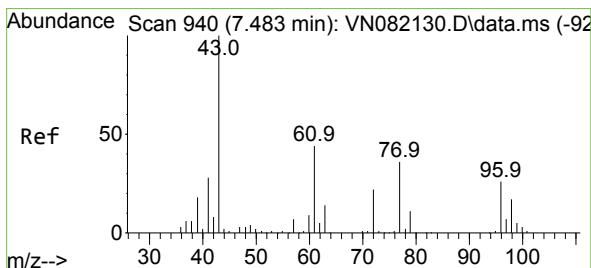
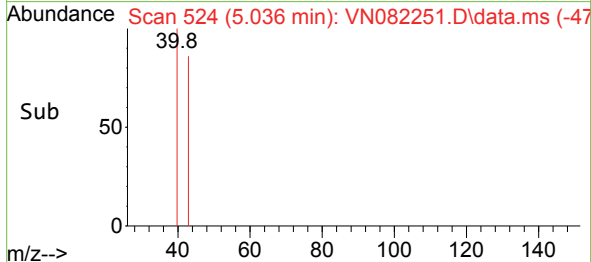
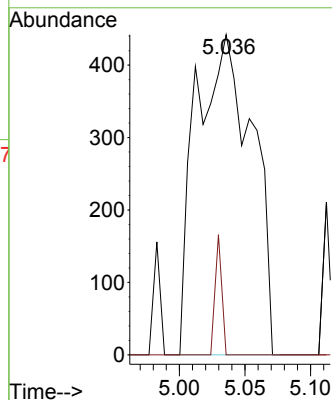
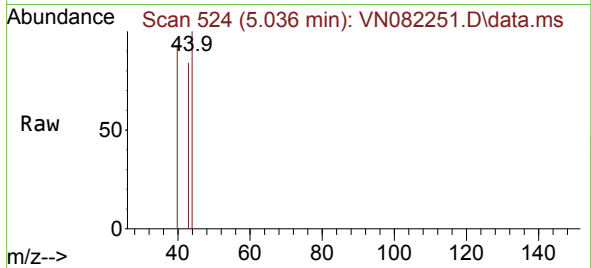




#18
Methyl Acetate
Concen: 0.537 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

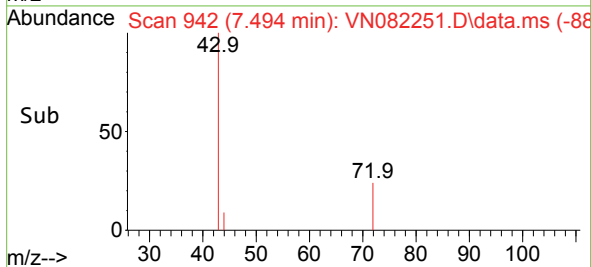
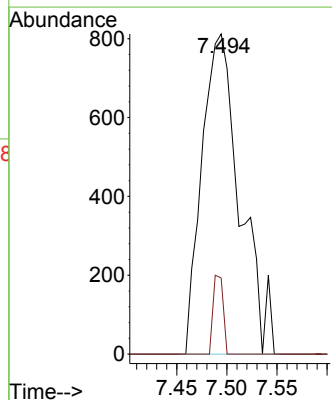
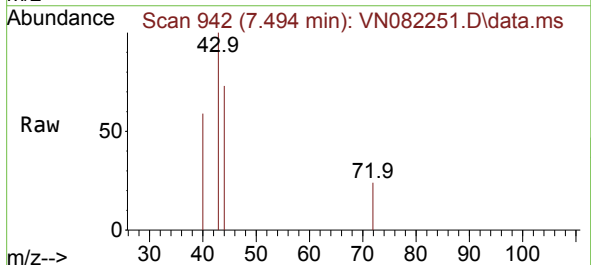
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

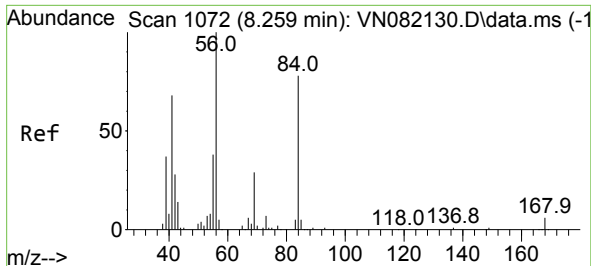
Tgt Ion: 43 Resp: 1313
Ion Ratio Lower Upper
43 100
74 4.5 22.2 33.2#



#25
2-Butanone
Concen: 1.445 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

Tgt Ion: 43 Resp: 2152
Ion Ratio Lower Upper
43 100
72 23.8 25.3 37.9#

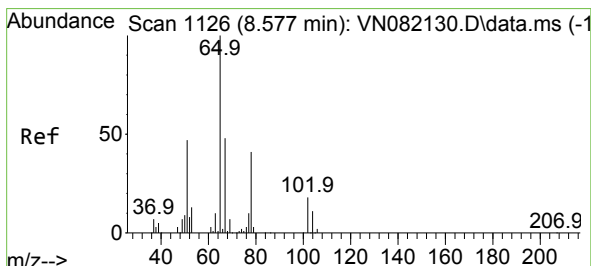
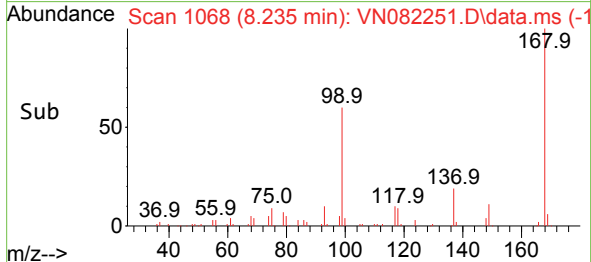
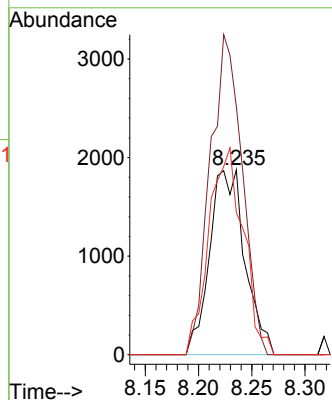
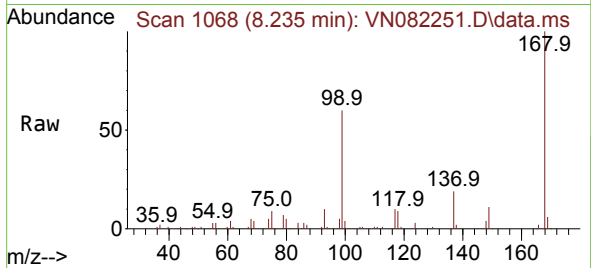




#31
Cyclohexane
Concen: 1.134 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.024 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

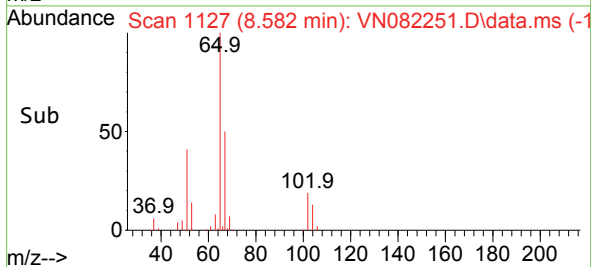
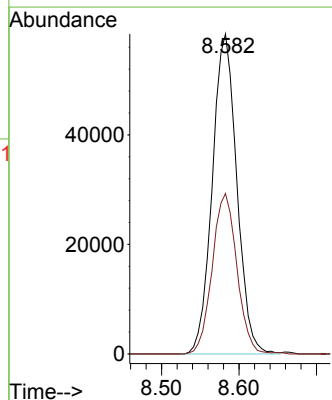
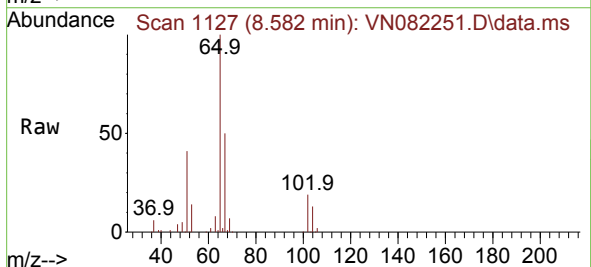
Instrument :
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OILY-WATER

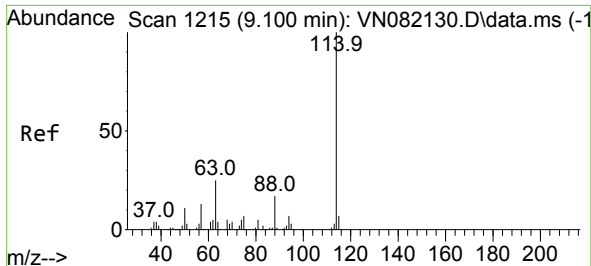
Tgt Ion: 56 Resp: 4337
Ion Ratio Lower Upper
56 100
69 134.2 24.4 36.6#
84 76.9 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 53.546 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

Tgt Ion: 65 Resp: 128258
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082251.D

Acq: 21 May 2024 19:31

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

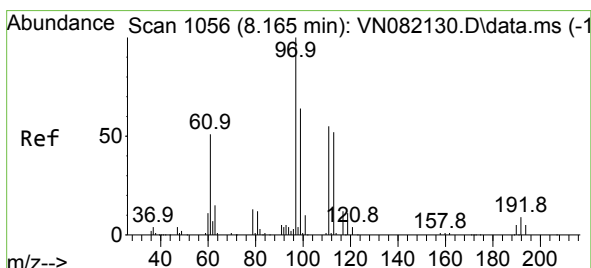
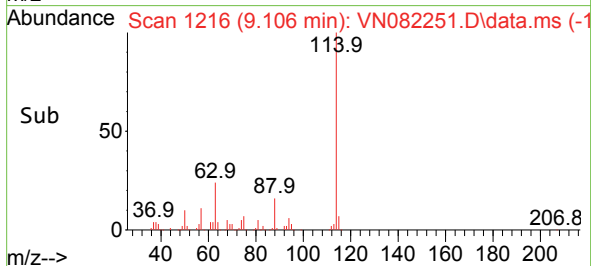
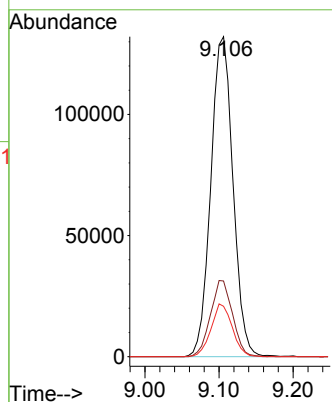
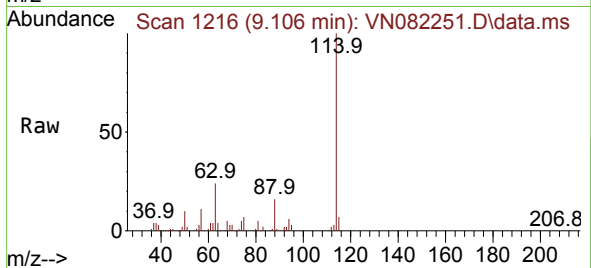
Tgt Ion:114 Resp: 274623

Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.0

88 15.8 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.774 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082251.D

Acq: 21 May 2024 19:31

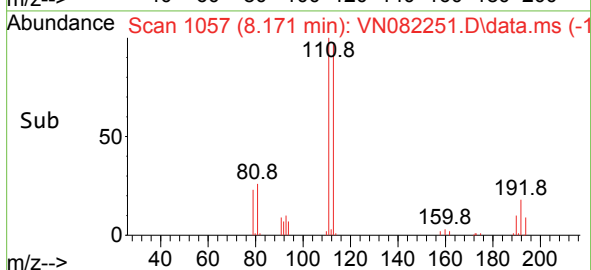
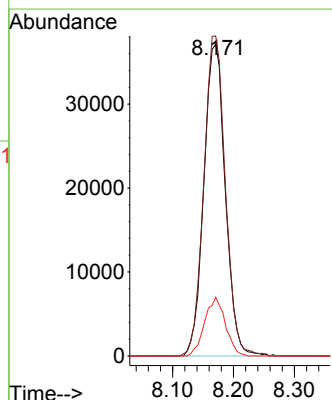
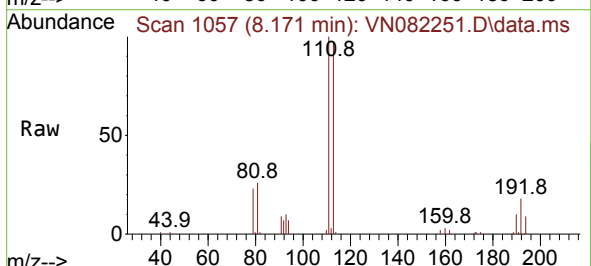
Tgt Ion:113 Resp: 90843

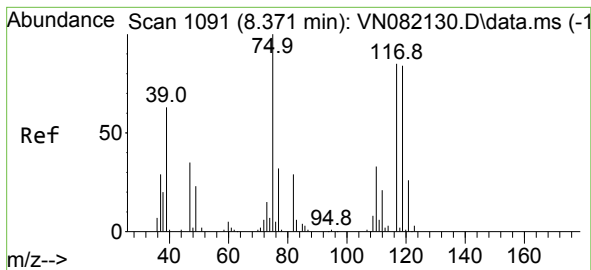
Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.2

192 18.2 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.202 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN082251.D

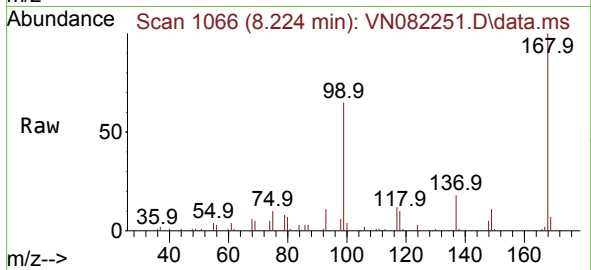
Acq: 21 May 2024 19:31

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER



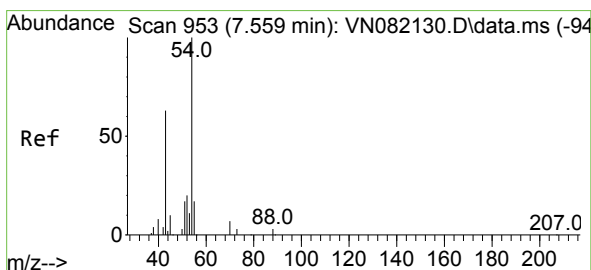
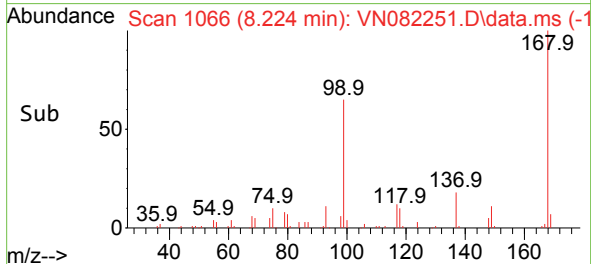
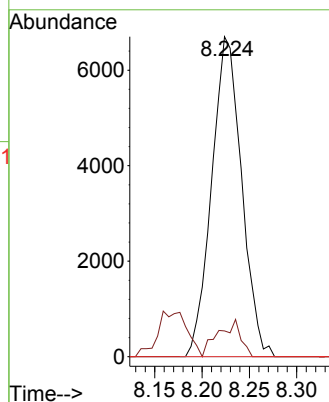
Tgt Ion: 75 Resp: 14738

Ion Ratio Lower Upper

75 100

110 8.7 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.679 ug/l

RT: 7.494 min Scan# 942

Delta R.T. -0.065 min

Lab File: VN082251.D

Acq: 21 May 2024 19:31

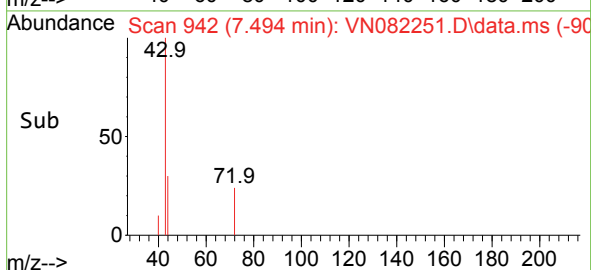
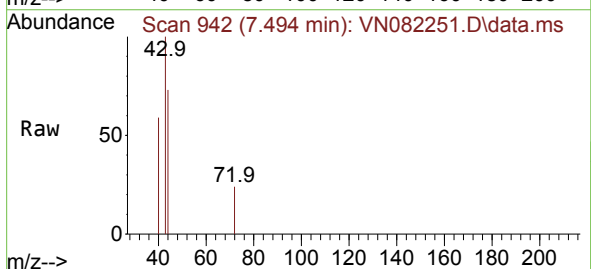
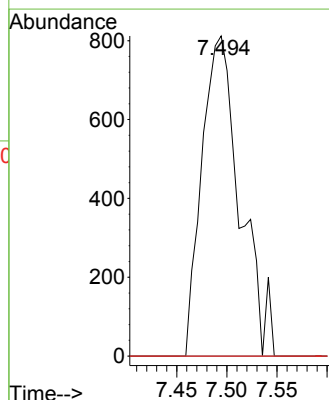
Tgt Ion: 43 Resp: 2152

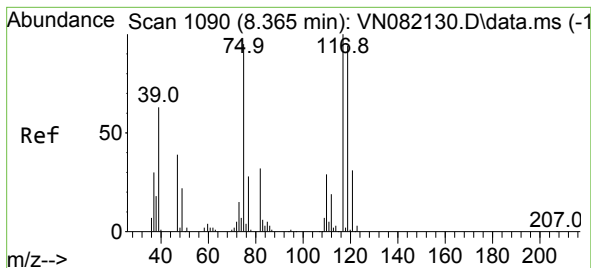
Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 0.0 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.841 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082251.D

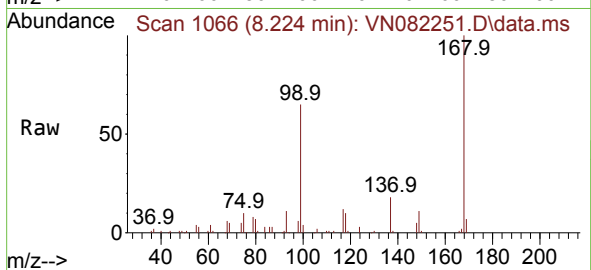
Acq: 21 May 2024 19:31

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER



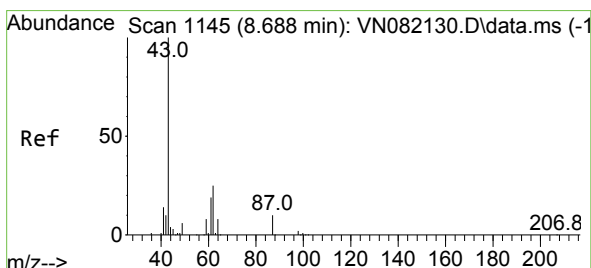
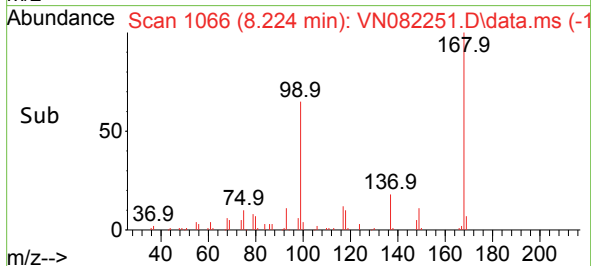
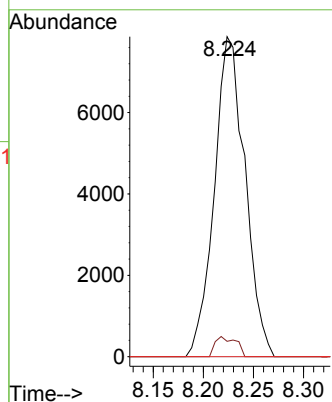
Tgt Ion:117 Resp: 16775

Ion Ratio Lower Upper

117 100

119 4.8 76.5 114.7#

121 0.0 23.9 35.9#



#43

Isopropyl Acetate

Concen: 2.284 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.024 min

Lab File: VN082251.D

Acq: 21 May 2024 19:31

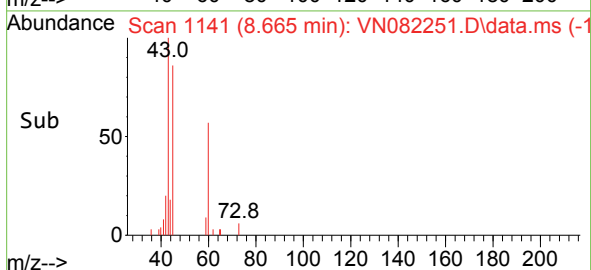
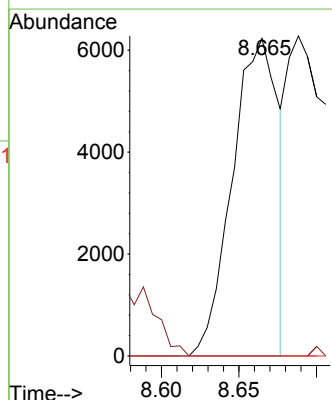
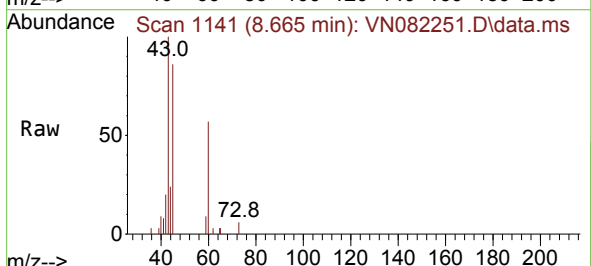
Tgt Ion: 43 Resp: 12833

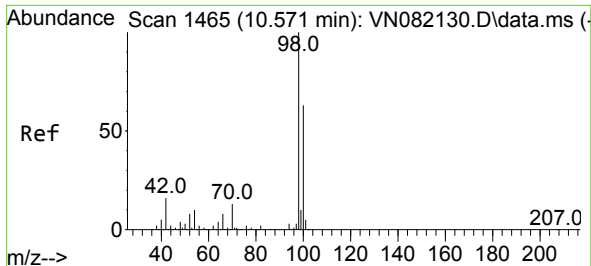
Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 12.0 18.0#

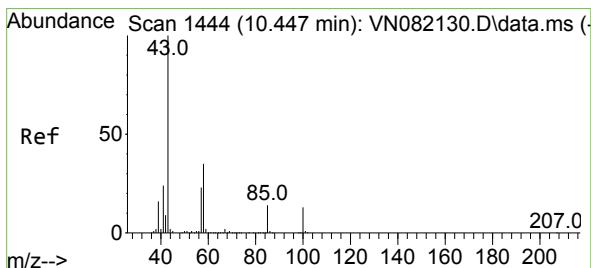
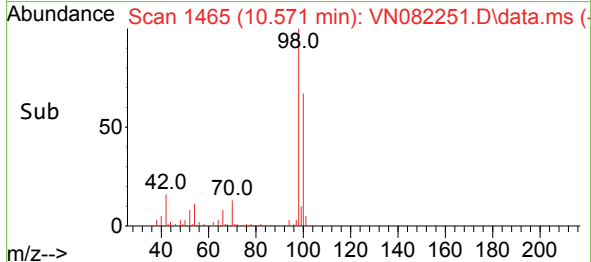
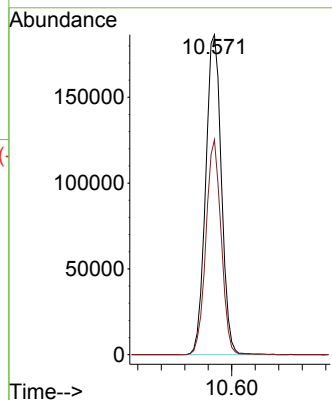
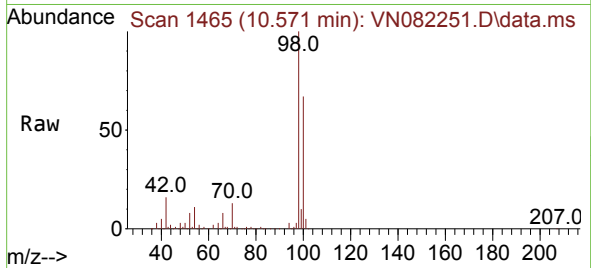




#50
Toluene-d8
Concen: 53.405 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

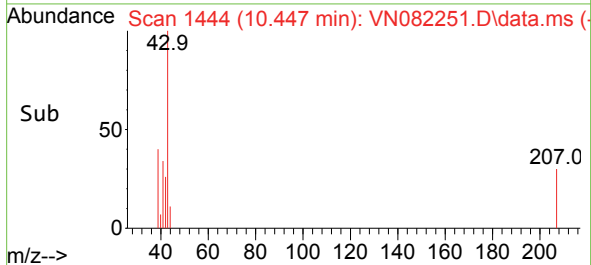
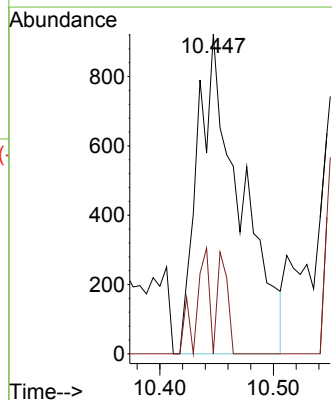
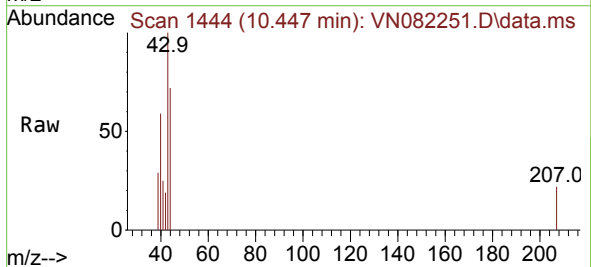
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

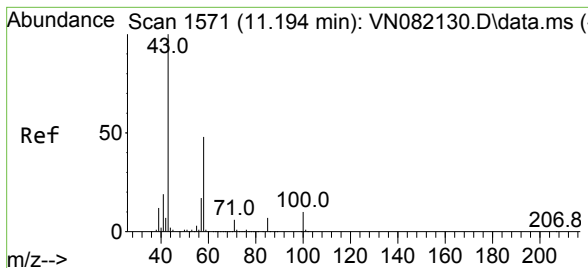
Tgt Ion: 98 Resp: 345897
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 0.754 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

Tgt Ion: 43 Resp: 2407
Ion Ratio Lower Upper
43 100
58 7.5 33.2 49.8#

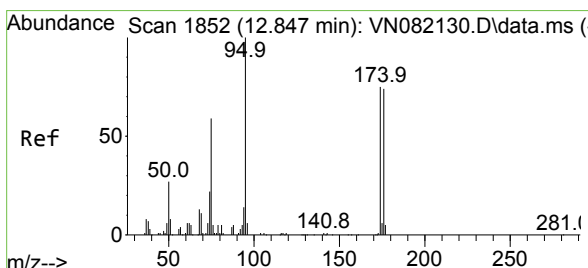
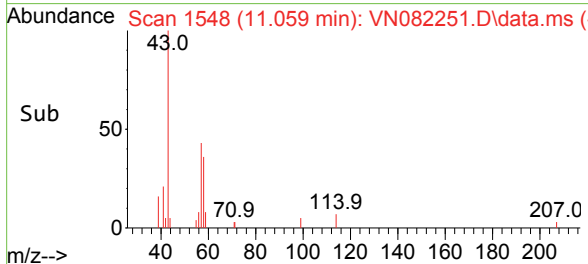
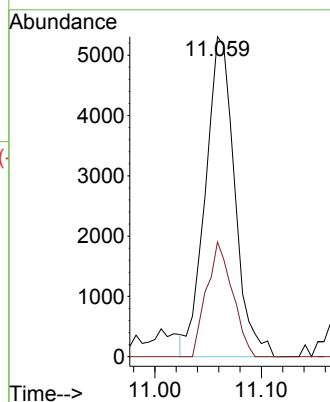
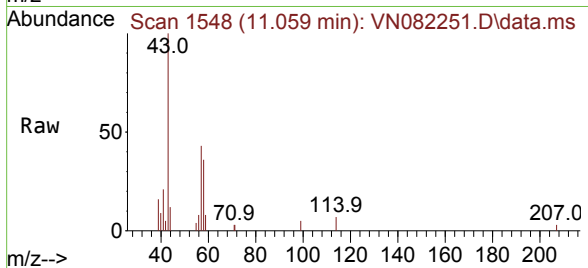




#59
2-Hexanone
Concen: 4.330 ug/l
RT: 11.059 min Scan# 11
Delta R.T. -0.135 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

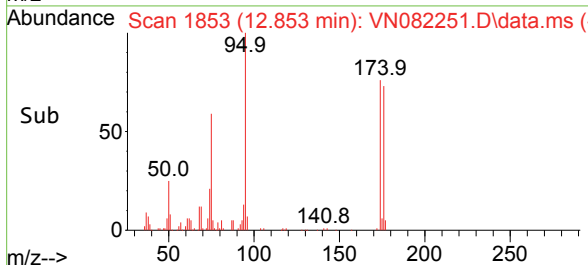
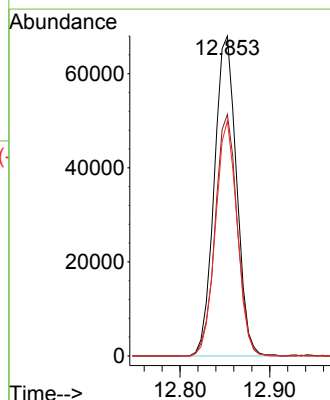
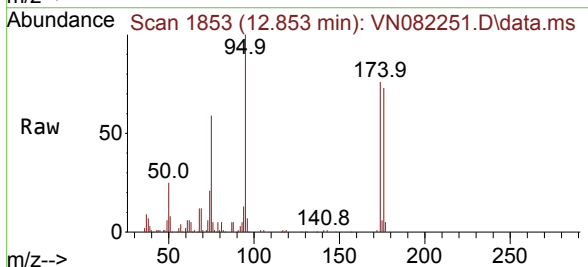
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

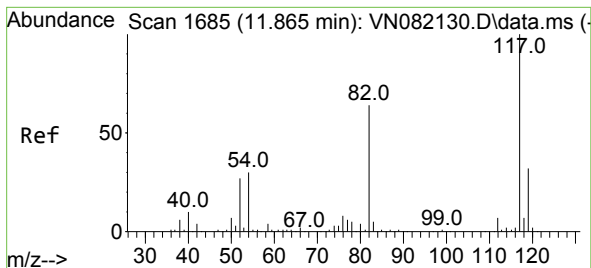
Tgt Ion: 43 Resp: 10120
Ion Ratio Lower Upper
43 100
58 31.7 28.3 84.9



#62
4-Bromofluorobenzene
Concen: 50.624 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

Tgt Ion: 95 Resp: 117029
Ion Ratio Lower Upper
95 100
174 75.0 0.0 160.6
176 71.6 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082251.D

Acq: 21 May 2024 19:31

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

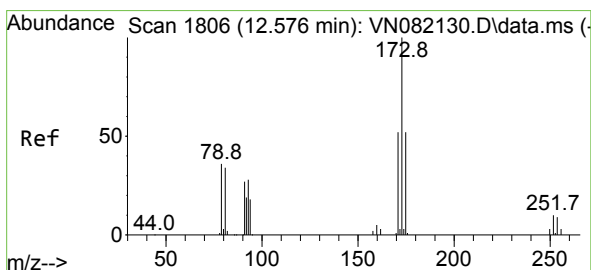
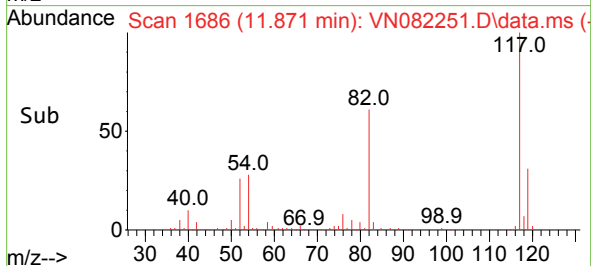
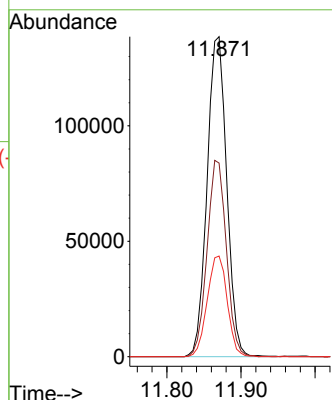
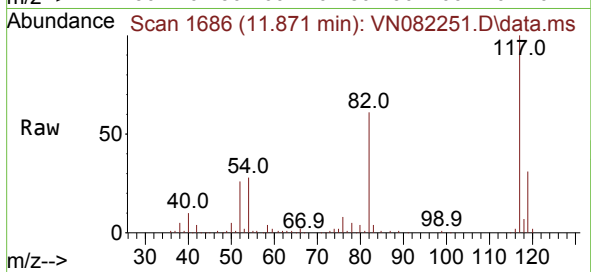
Tgt Ion:117 Resp: 255013

Ion Ratio Lower Upper

117 100

82 60.5 44.6 66.8

119 31.5 25.9 38.9



#71

Bromoform

Concen: 0.737 ug/l

RT: 12.570 min Scan# 1805

Delta R.T. -0.006 min

Lab File: VN082251.D

Acq: 21 May 2024 19:31

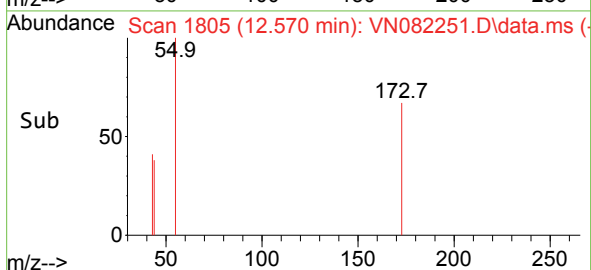
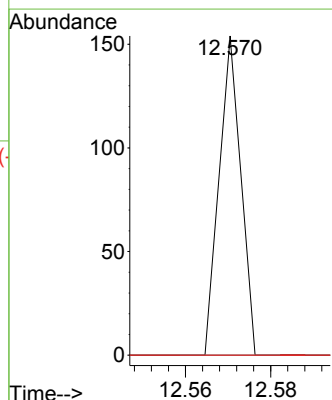
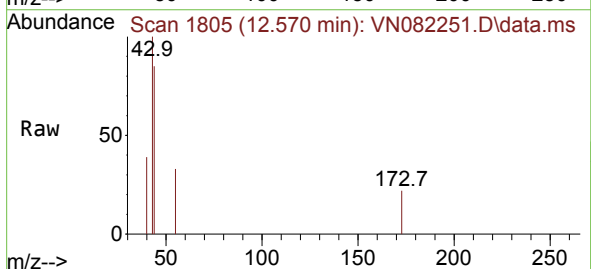
Tgt Ion:173 Resp: 54

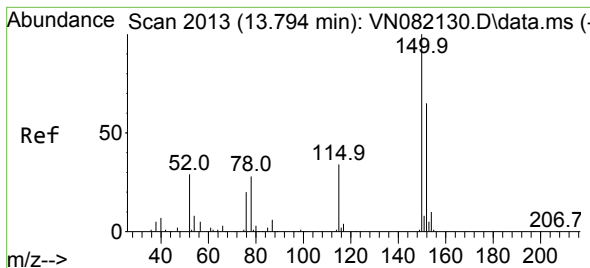
Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082251.D

Acq: 21 May 2024 19:31

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

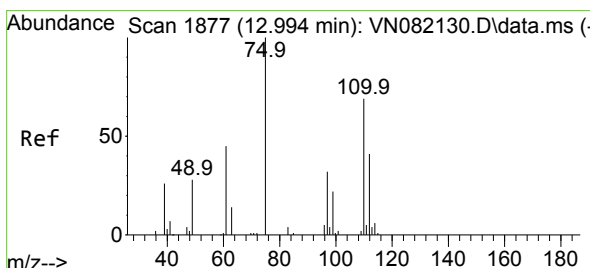
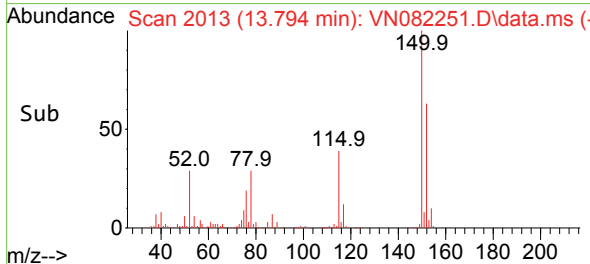
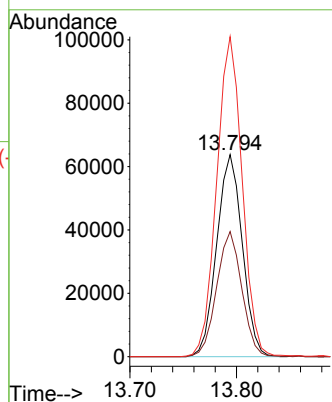
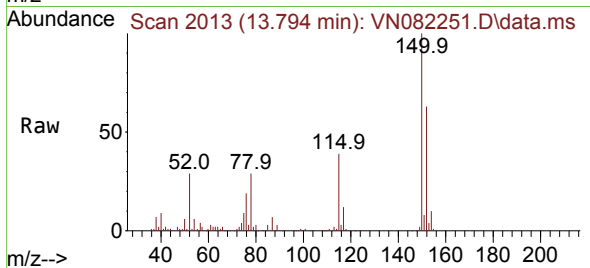
Tgt Ion:152 Resp: 106348

Ion Ratio Lower Upper

152 100

115 60.9 30.4 91.3

150 157.9 0.0 353.2



#76

1,2,3-Trichloropropane

Concen: 30.326 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082251.D

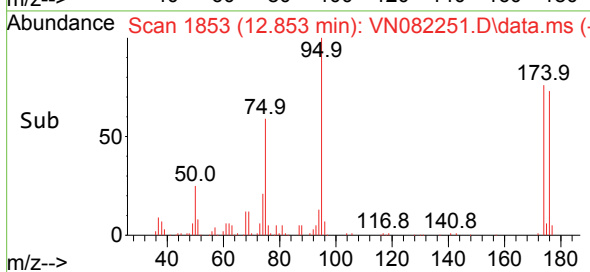
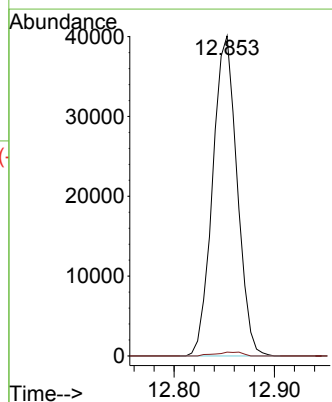
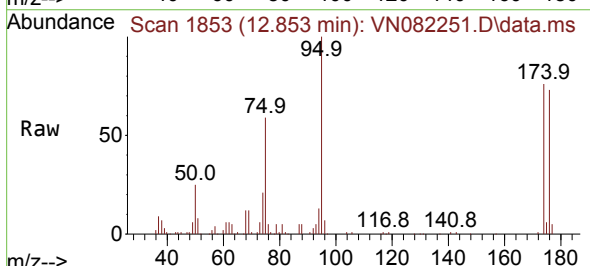
Acq: 21 May 2024 19:31

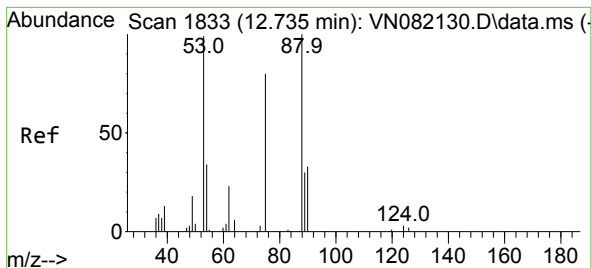
Tgt Ion: 75 Resp: 67880

Ion Ratio Lower Upper

75 100

77 1.3 90.5 271.3#

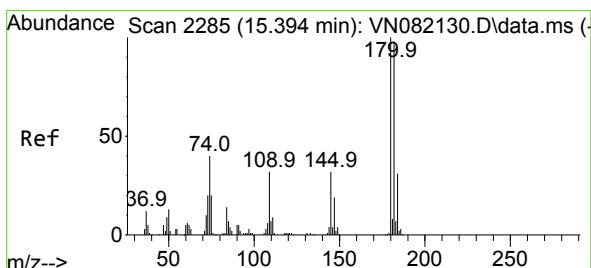
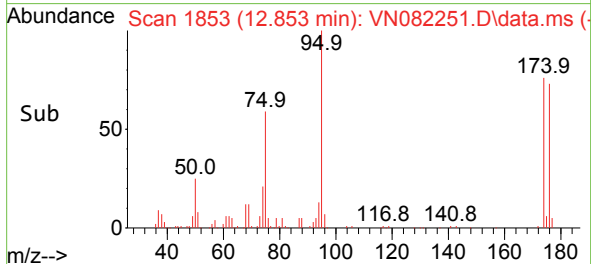
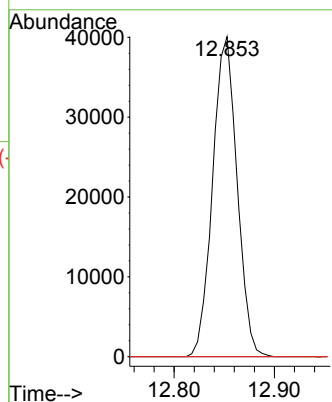
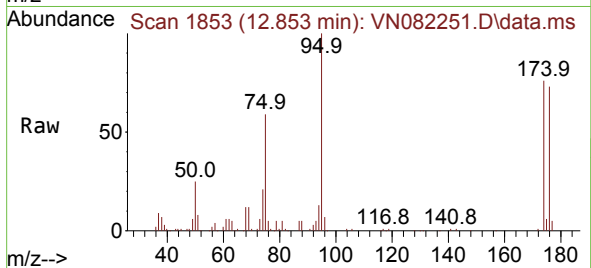




#81
trans-1,4-Dichloro-2-butene
Concen: 70.930 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

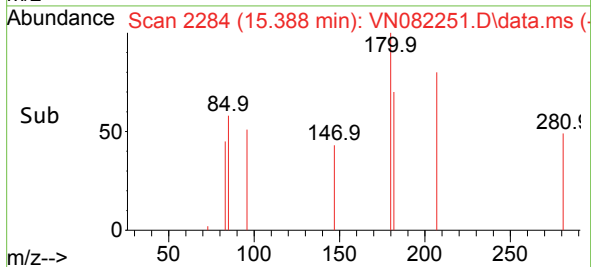
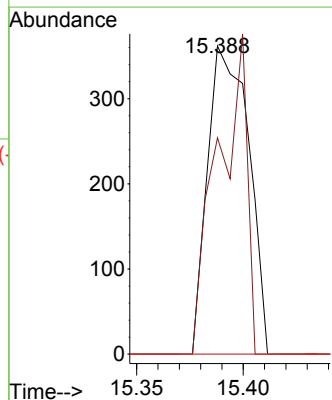
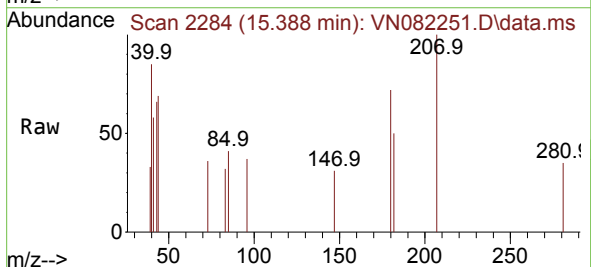
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

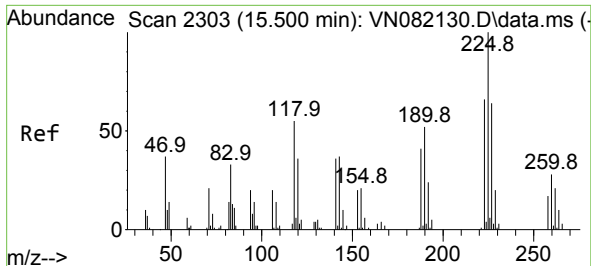
Tgt Ion: 75 Resp: 67880
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#



#93
1,2,4-Trichlorobenzene
Concen: 0.251 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.006 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

Tgt Ion:180 Resp: 485
Ion Ratio Lower Upper
180 100
182 74.0 46.7 140.0
145 0.0 16.2 48.6#

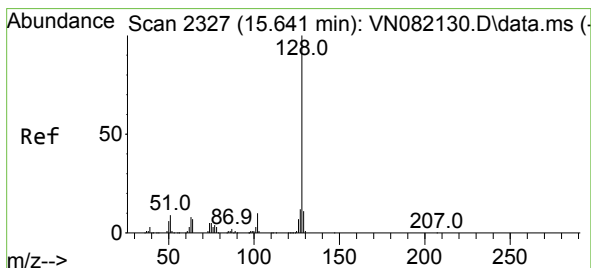
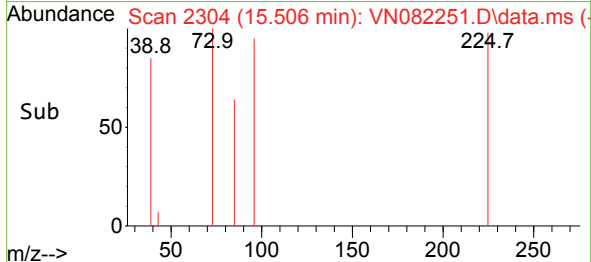
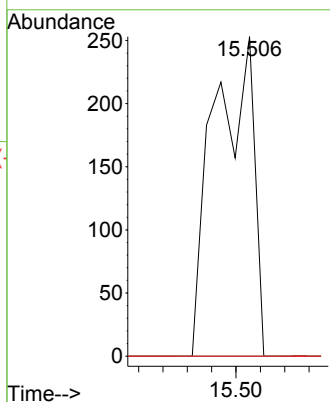
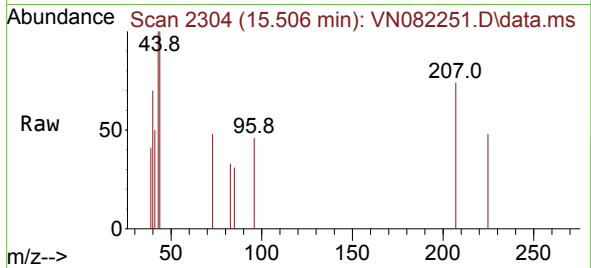




#94
Hexachlorobutadiene
Concen: 0.337 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

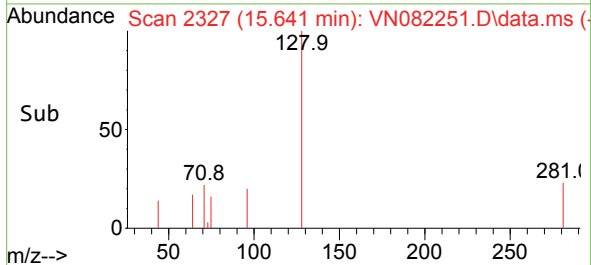
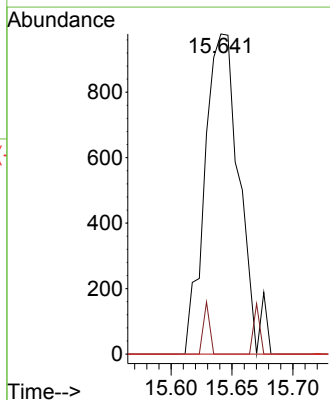
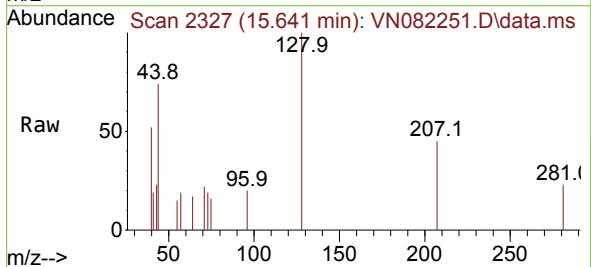
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

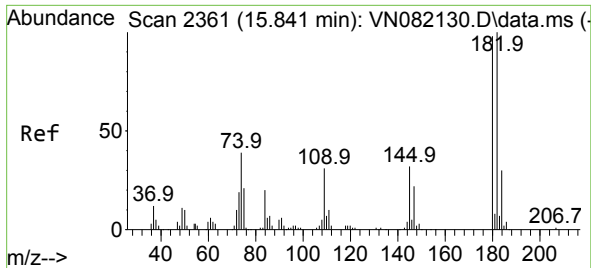
Tgt Ion:225 Resp: 286
Ion Ratio Lower Upper
225 100
223 0.0 31.1 93.2#
227 0.0 30.6 91.6#



#95
Naphthalene
Concen: 0.320 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN082251.D
Acq: 21 May 2024 19:31

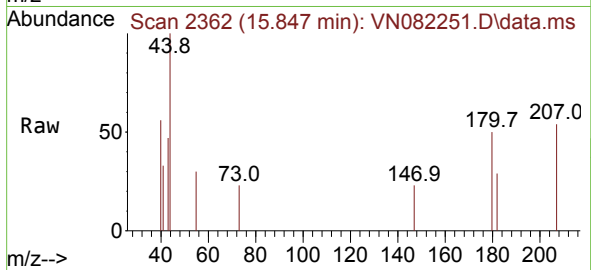
Tgt Ion:128 Resp: 1941
Ion Ratio Lower Upper
128 100
127 2.9 10.1 15.1#
129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.321 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN082251.D
 Acq: 21 May 2024 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER



Tgt Ion:180 Resp: 622
 Ion Ratio Lower Upper
 180 100
 182 86.3 46.0 137.8
 145 0.0 17.1 51.3#

