

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052523\
 Data File : VN077900.D
 Acq On : 25 May 2023 14:27
 Operator : JC\MD
 Sample : 02897-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER-0523

Quant Time: May 26 04:31:48 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)

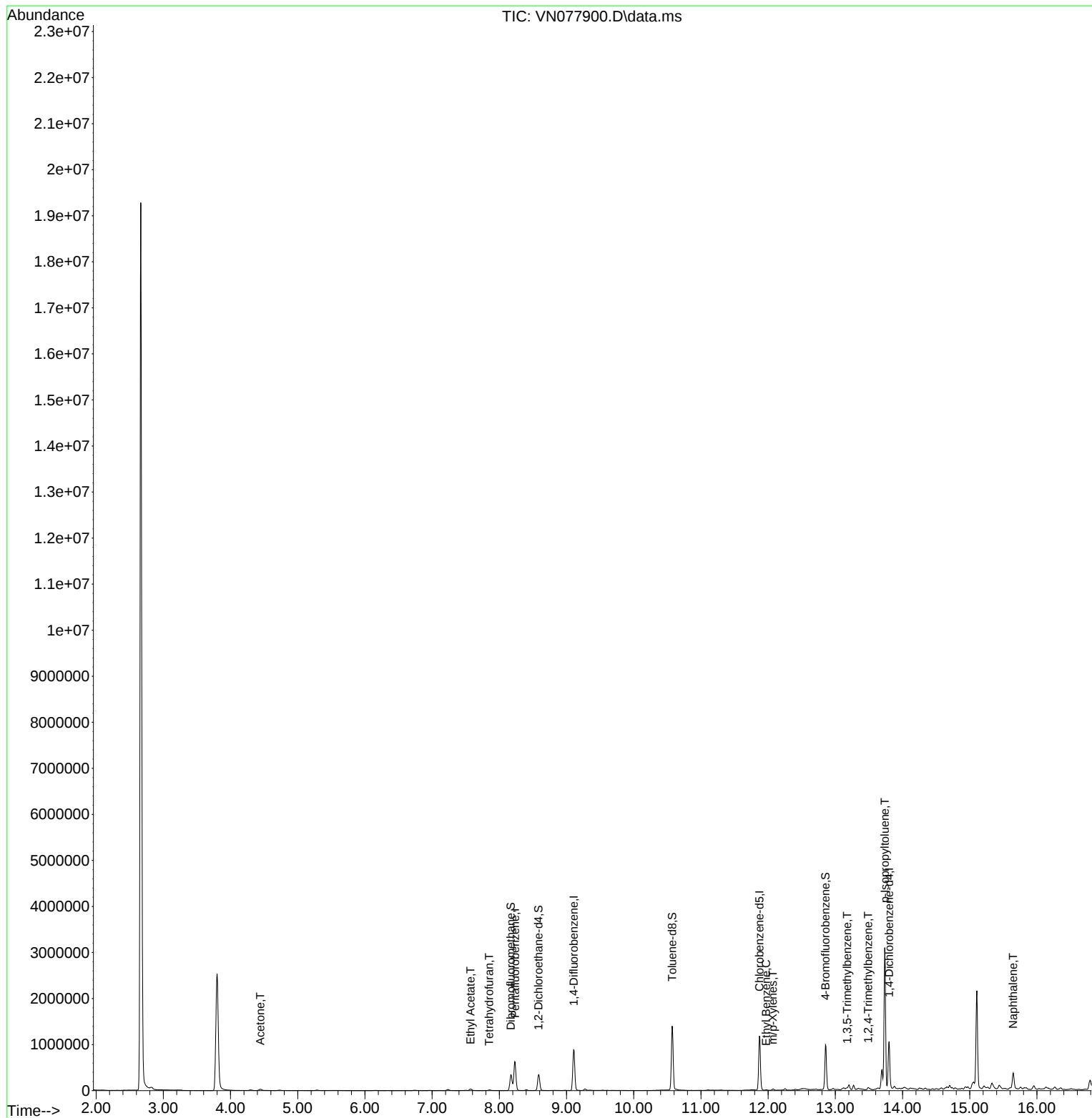
Internal Standards						
1) Pentafluorobenzene	8.236	168	450282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	808958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	718090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	285604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	293423	43.552	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.100%		
35) Dibromofluoromethane	8.171	113	248634	47.133	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.260%		
50) Toluene-d8	10.571	98	1010464	49.766	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.540%		
62) 4-Bromofluorobenzene	12.853	95	353324	49.271	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.540%		
Target Compounds						
16) Acetone	4.442	43	52570	24.801	ug/l	94
29) Tetrahydrofuran	7.847	42	11062	5.095	ug/l #	78
37) Ethyl Acetate	7.571	43	52305	7.606	ug/l	97
67) Ethyl Benzene	11.971	91	5935	0.213	ug/l #	75
68) m/p-Xylenes	12.071	106	8974	0.849	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	10045	0.485	ug/l	94
84) 1,2,4-Trimethylbenzene	13.488	105	27889	1.370	ug/l	93
86) p-Isopropyltoluene	13.735	119	1785983	87.266	ug/l	99
95) Naphthalene	15.647	128	326665	16.732	ug/l	98

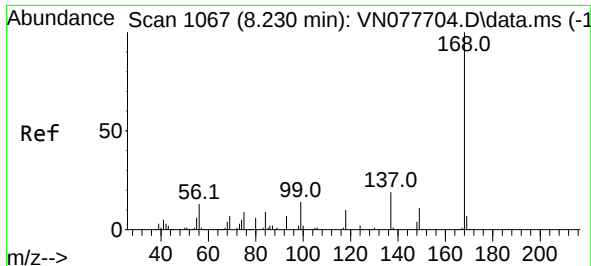
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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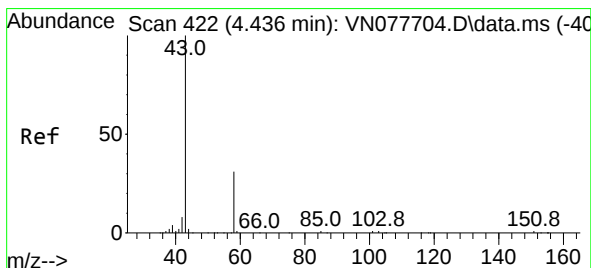
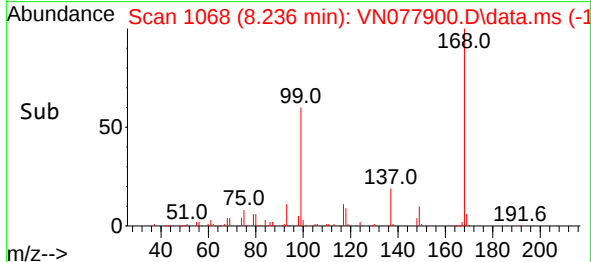
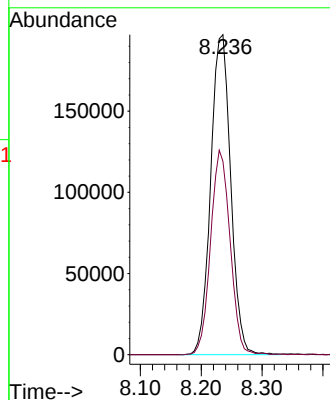
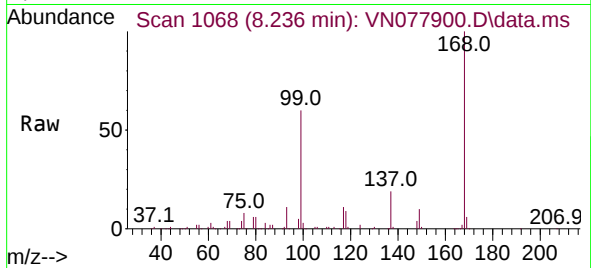




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN077900.D
Acq: 25 May 2023 14:27

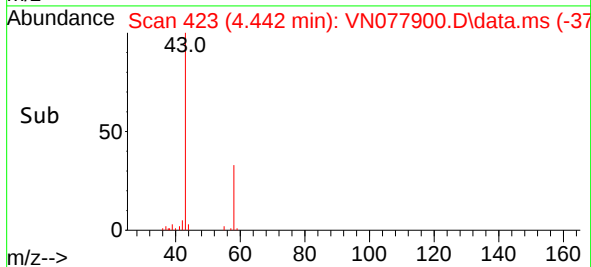
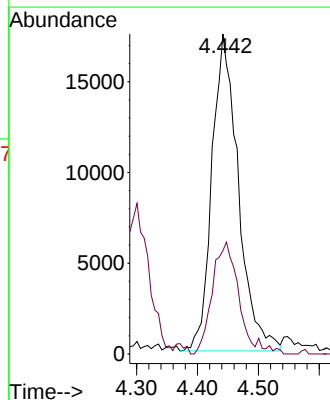
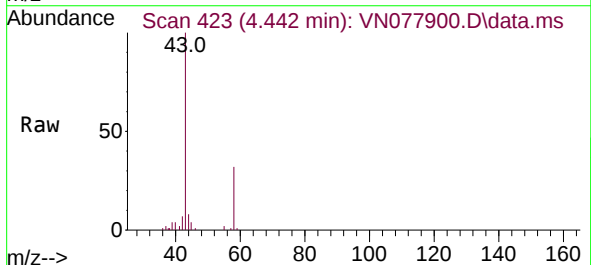
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-0523

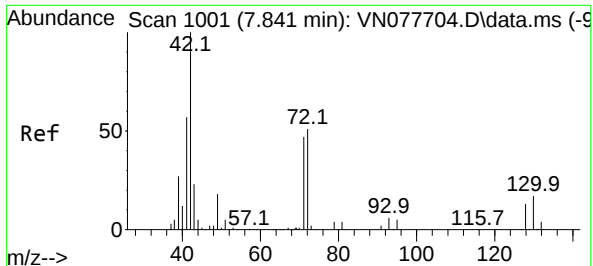
Tgt Ion:168 Resp: 450282
Ion Ratio Lower Upper
168 100
99 60.5 53.0 79.6



#16
Acetone
Concen: 24.801 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN077900.D
Acq: 25 May 2023 14:27

Tgt Ion: 43 Resp: 52570
Ion Ratio Lower Upper
43 100
58 31.3 28.0 42.0





#29

Tetrahydrofuran

Concen: 5.095 ug/l

RT: 7.847 min Scan# 11062

Delta R.T. 0.006 min

Lab File: VN077900.D

Acq: 25 May 2023 14:27

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER-0523

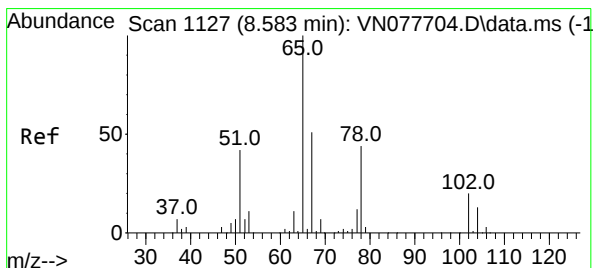
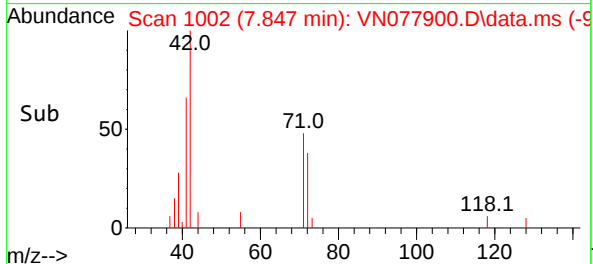
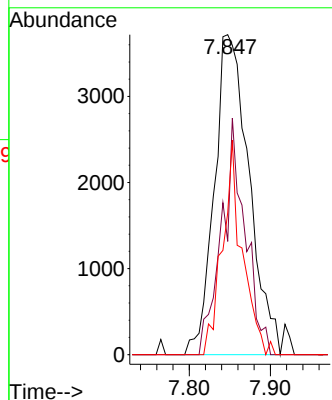
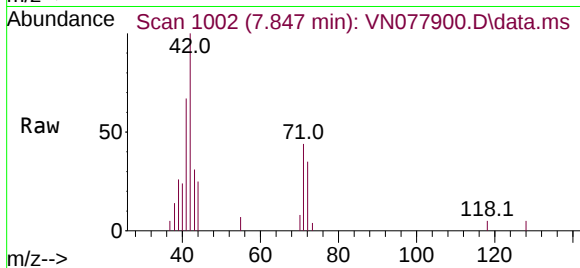
Tgt Ion: 42 Resp: 11062

Ion Ratio Lower Upper

42 100

72 50.0 49.8 74.6

71 38.1 47.4 71.2#



#33

1,2-Dichloroethane-d4

Concen: 43.552 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN077900.D

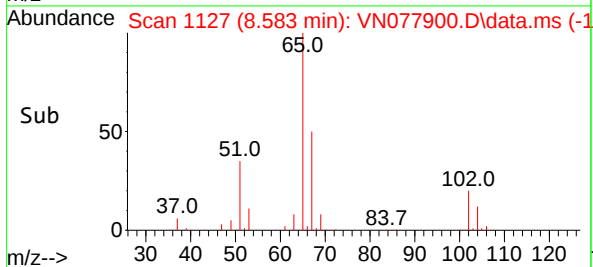
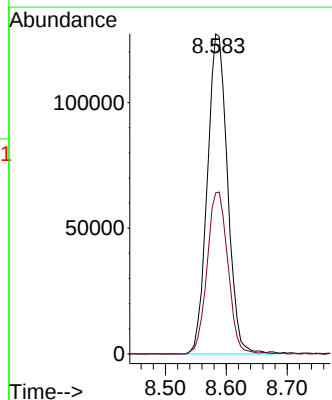
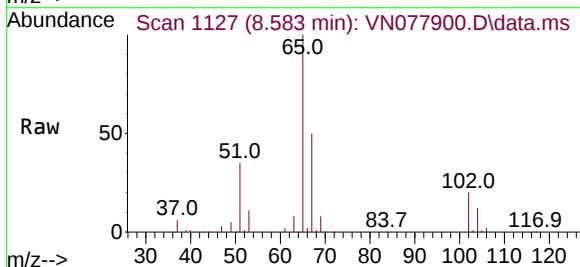
Acq: 25 May 2023 14:27

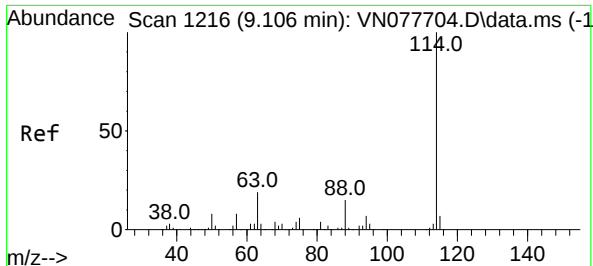
Tgt Ion: 65 Resp: 293423

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN077900.D

Acq: 25 May 2023 14:27

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER-0523

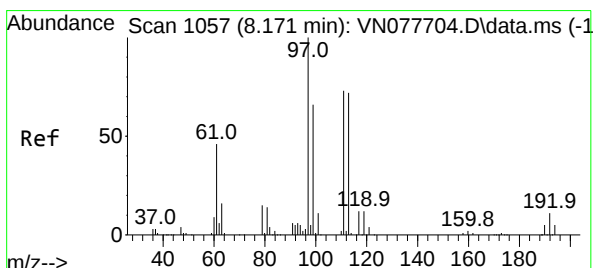
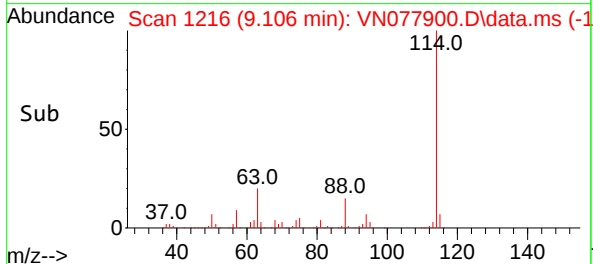
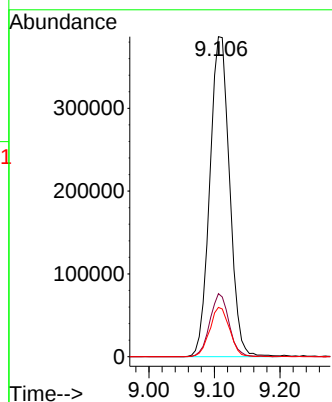
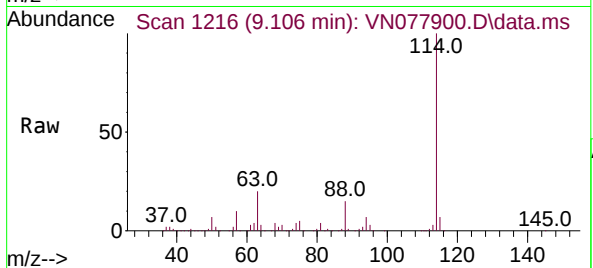
Tgt Ion:114 Resp: 808958

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.133 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN077900.D

Acq: 25 May 2023 14:27

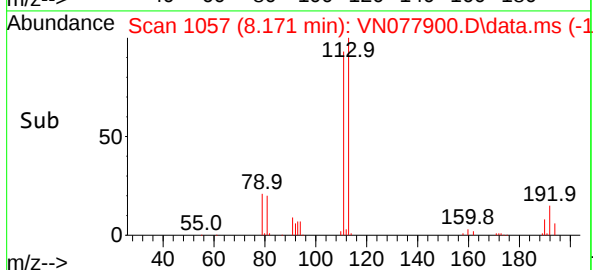
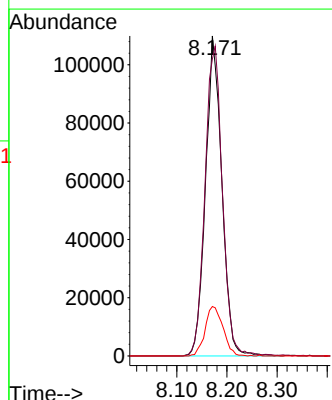
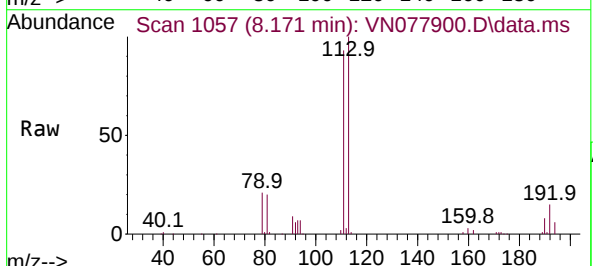
Tgt Ion:113 Resp: 248634

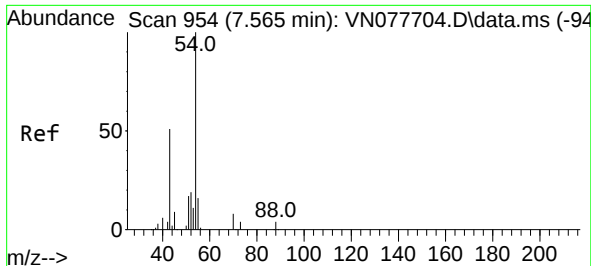
Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

192 17.0 12.7 19.1





#37

Ethyl Acetate

Concen: 7.606 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN077900.D

Acq: 25 May 2023 14:27

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER-0523

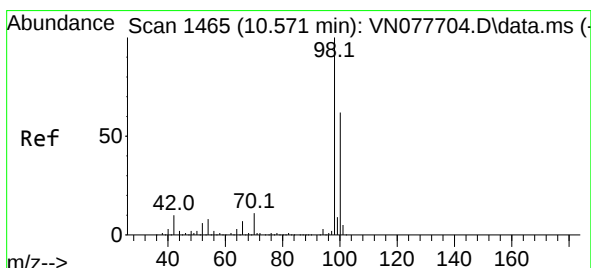
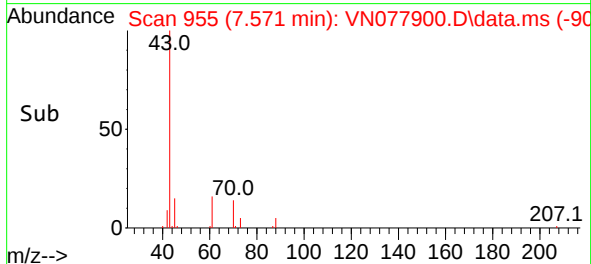
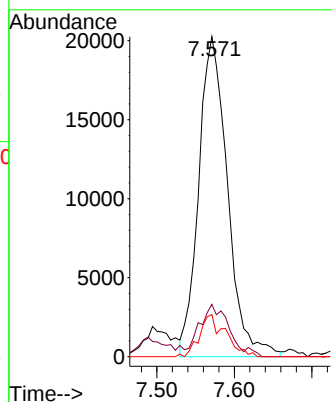
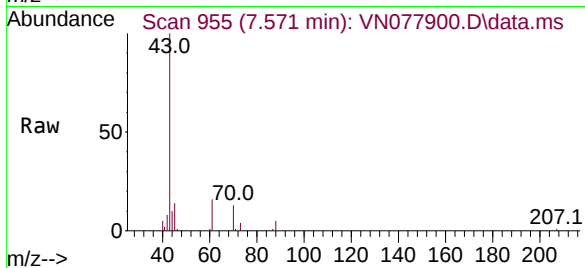
Tgt Ion: 43 Resp: 52305

Ion Ratio Lower Upper

43 100

61 16.8 13.2 19.8

70 11.8 11.3 16.9



#50

Toluene-d8

Concen: 49.766 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN077900.D

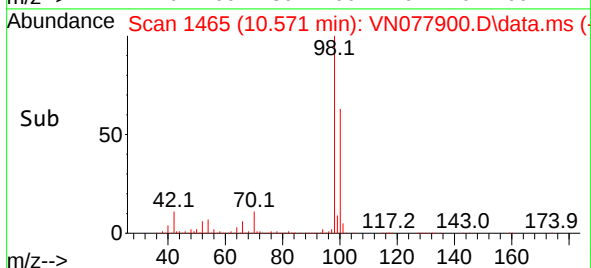
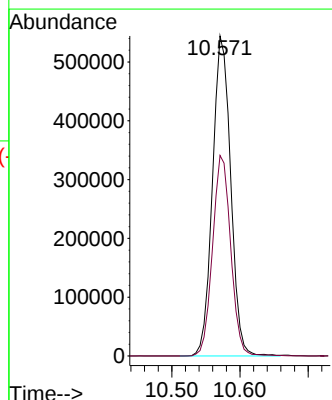
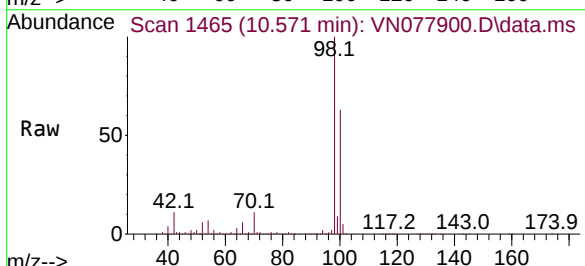
Acq: 25 May 2023 14:27

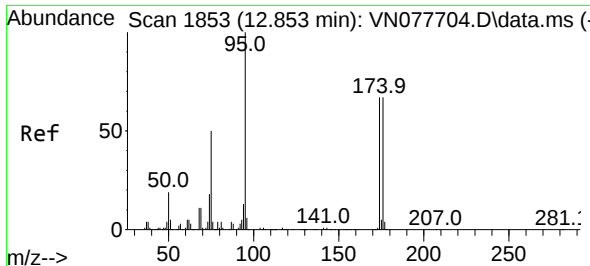
Tgt Ion: 98 Resp: 1010464

Ion Ratio Lower Upper

98 100

100 62.6 52.0 78.0

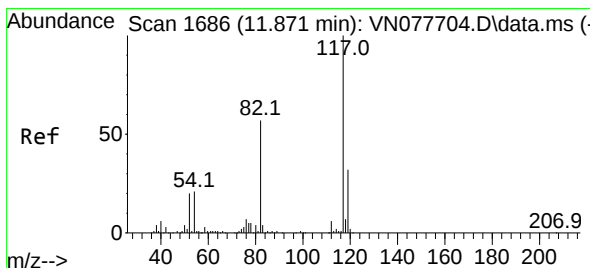
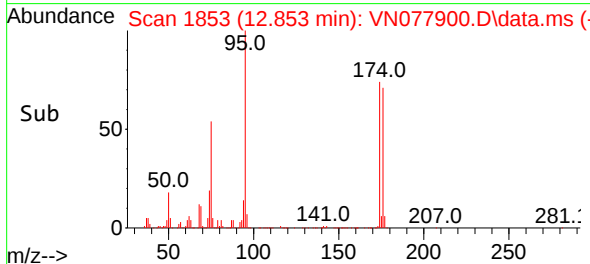
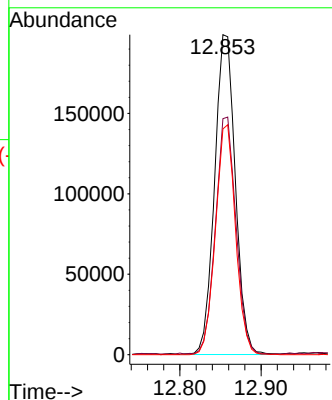
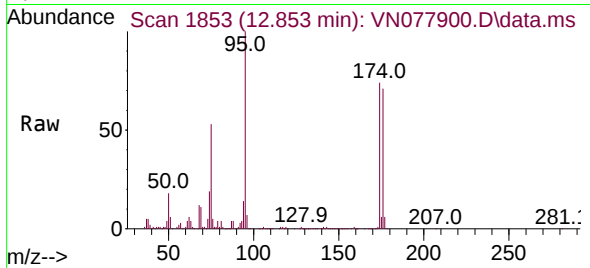




#62
4-Bromofluorobenzene
Concen: 49.271 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077900.D
Acq: 25 May 2023 14:27

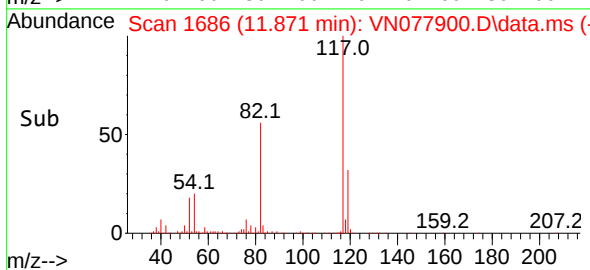
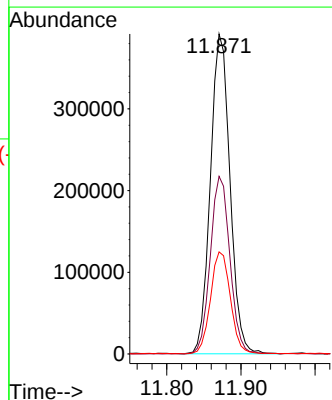
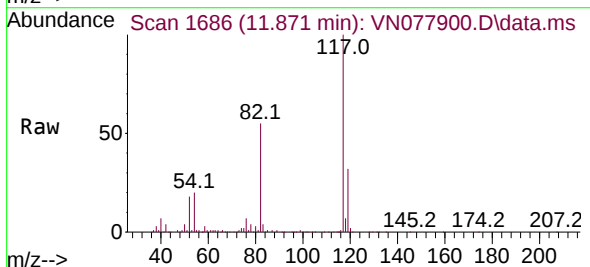
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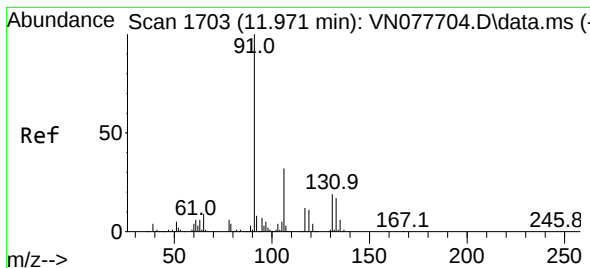
Tgt Ion: 95 Resp: 353324
Ion Ratio Lower Upper
95 100
174 73.6 0.0 143.8
176 69.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077900.D
Acq: 25 May 2023 14:27

Tgt Ion: 117 Resp: 718090
Ion Ratio Lower Upper
117 100
82 55.5 44.0 66.0
119 31.8 25.6 38.4





#67

Ethyl Benzene

Concen: 0.213 ug/l

RT: 11.971 min Scan# 11

Delta R.T. 0.001 min

Lab File: VN077900.D

Acq: 25 May 2023 14:27

Instrument :

MSVOA_N

ClientSampleId :

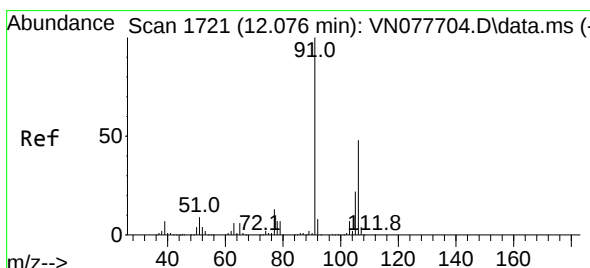
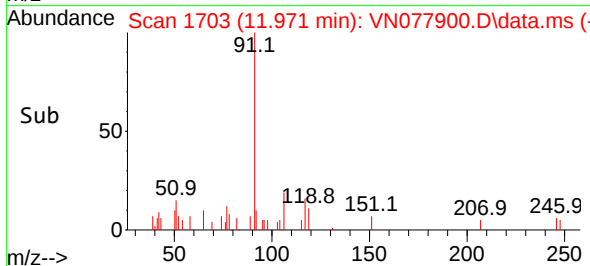
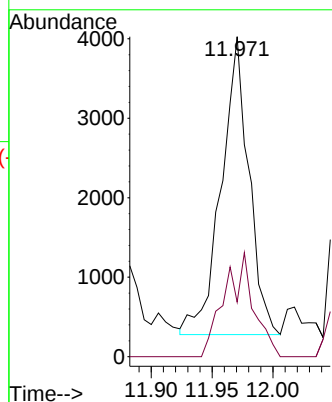
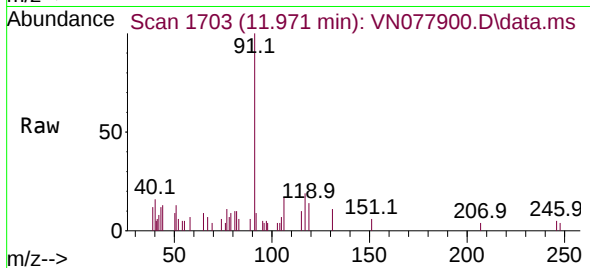
OILY-WATER-0523

Tgt Ion: 91 Resp: 5935

Ion Ratio Lower Upper

91 100

106 18.3 25.6 38.4#



#68

m/p-Xylenes

Concen: 0.849 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. -0.005 min

Lab File: VN077900.D

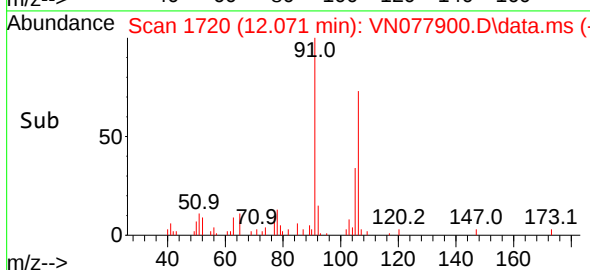
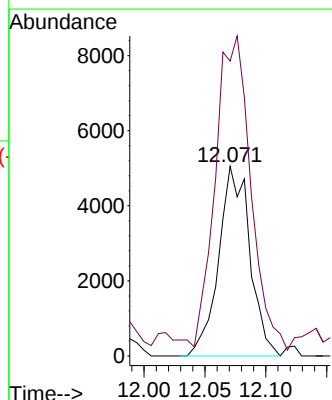
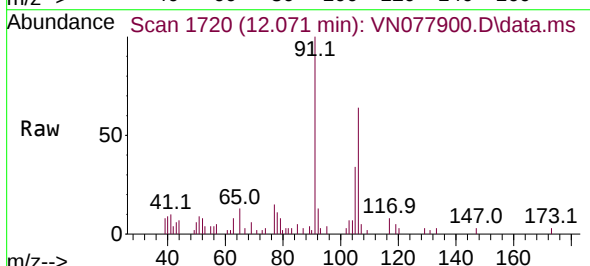
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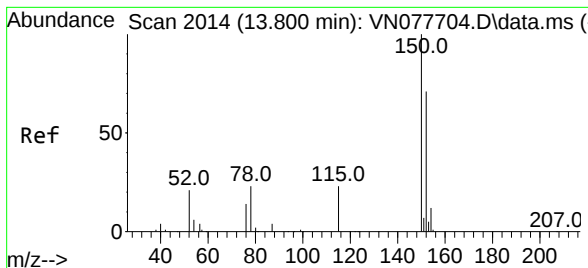
Tgt Ion:106 Resp: 8974

Ion Ratio Lower Upper

106 100

91 188.2 159.6 239.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN077900.D

Acq: 25 May 2023 14:27

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER-0523

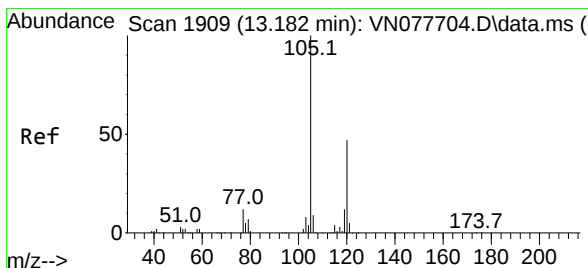
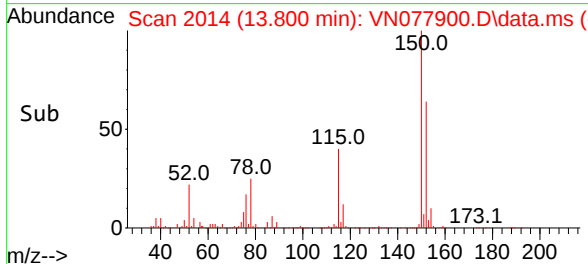
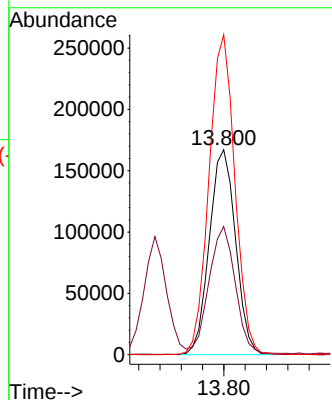
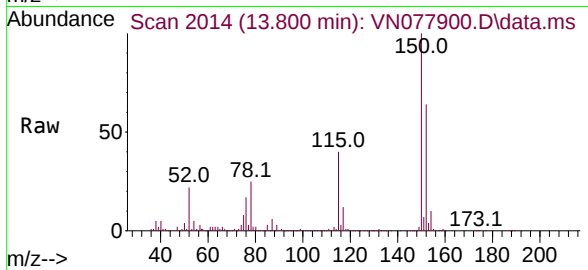
Tgt Ion:152 Resp: 285604

Ion Ratio Lower Upper

152 100

115 62.2 32.3 96.8

150 154.0 0.0 355.8



#80

1,3,5-Trimethylbenzene

Concen: 0.485 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VN077900.D

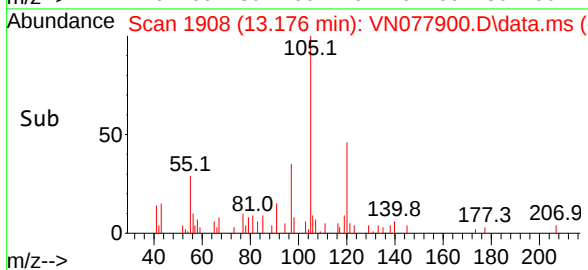
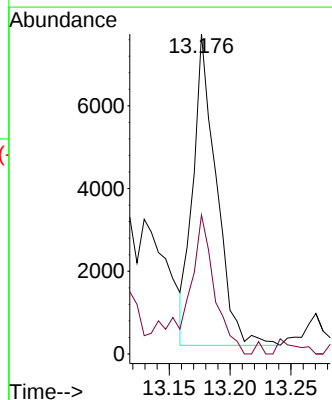
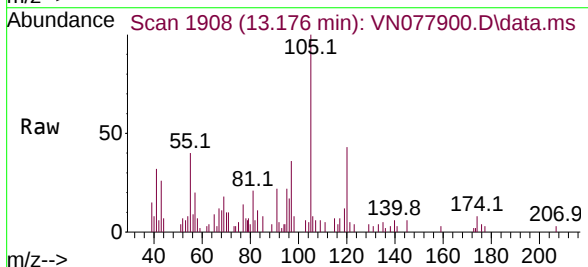
Acq: 25 May 2023 14:27

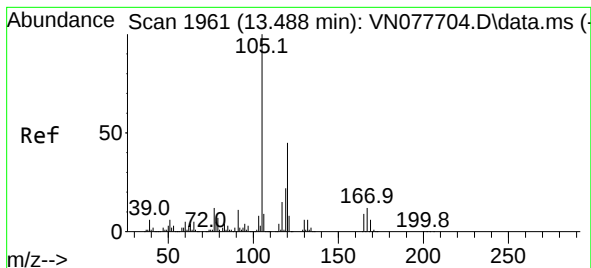
Tgt Ion:105 Resp: 10045

Ion Ratio Lower Upper

105 100

120 52.6 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 1.370 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN077900.D

Acq: 25 May 2023 14:27

Instrument :

MSVOA_N

ClientSampleId :

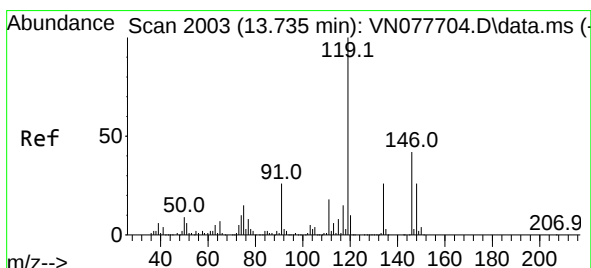
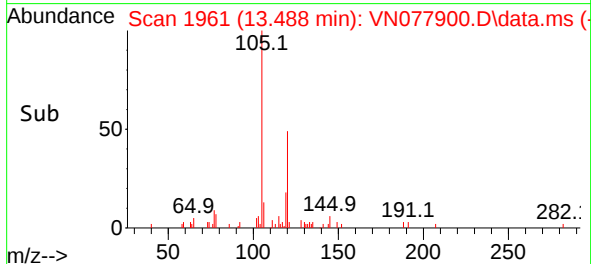
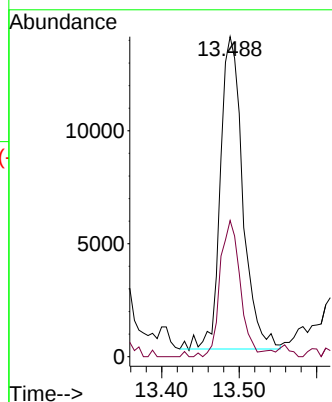
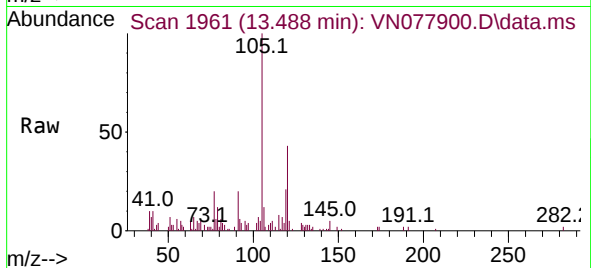
OILY-WATER-0523

Tgt Ion:105 Resp: 27889

Ion Ratio Lower Upper

105 100

120 39.2 22.0 66.0



#86

p-Isopropyltoluene

Concen: 87.266 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN077900.D

Acq: 25 May 2023 14:27

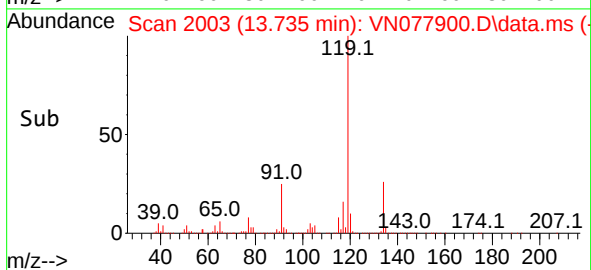
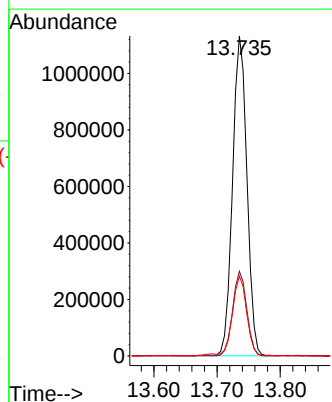
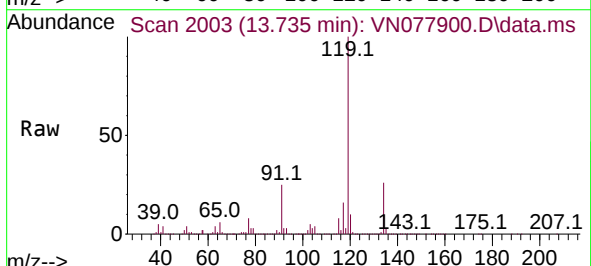
Tgt Ion:119 Resp: 1785983

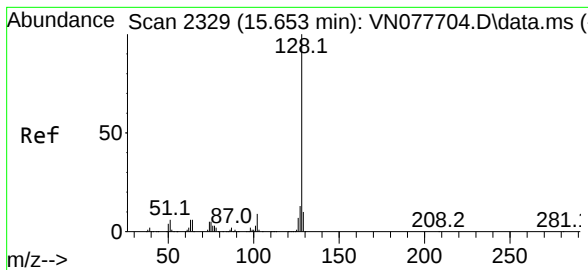
Ion Ratio Lower Upper

119 100

134 25.8 12.6 37.8

91 24.9 12.4 37.2





#95

Naphthalene

Concen: 16.732 ug/l

RT: 15.647 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077900.D

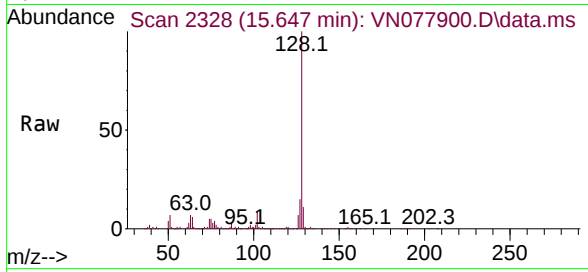
Acq: 25 May 2023 14:27

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER-0523



Tgt Ion:128 Resp: 326665

Ion Ratio Lower Upper

128 100

127 13.5 10.0 15.0

129 10.7 8.7 13.1

