

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092618\
 Data File : VN051496.D
 Acq On : 25 Sep 2018 20:47
 Operator : MD\SY
 Sample : J5055-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER

Quant Time: Sep 26 04:10:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	631587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	972492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	796155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	273414	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	435465	55.04	ug/l	0.00
Spiked Amount			Recovery	=	110.08%	
35) Dibromofluoromethane	7.59	113	382767	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
50) Toluene-d8	10.09	98	1374564	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
62) 4-Bromofluorobenzene	12.40	95	350202	36.97	ug/l	0.00
Spiked Amount			Recovery	=	73.94%	

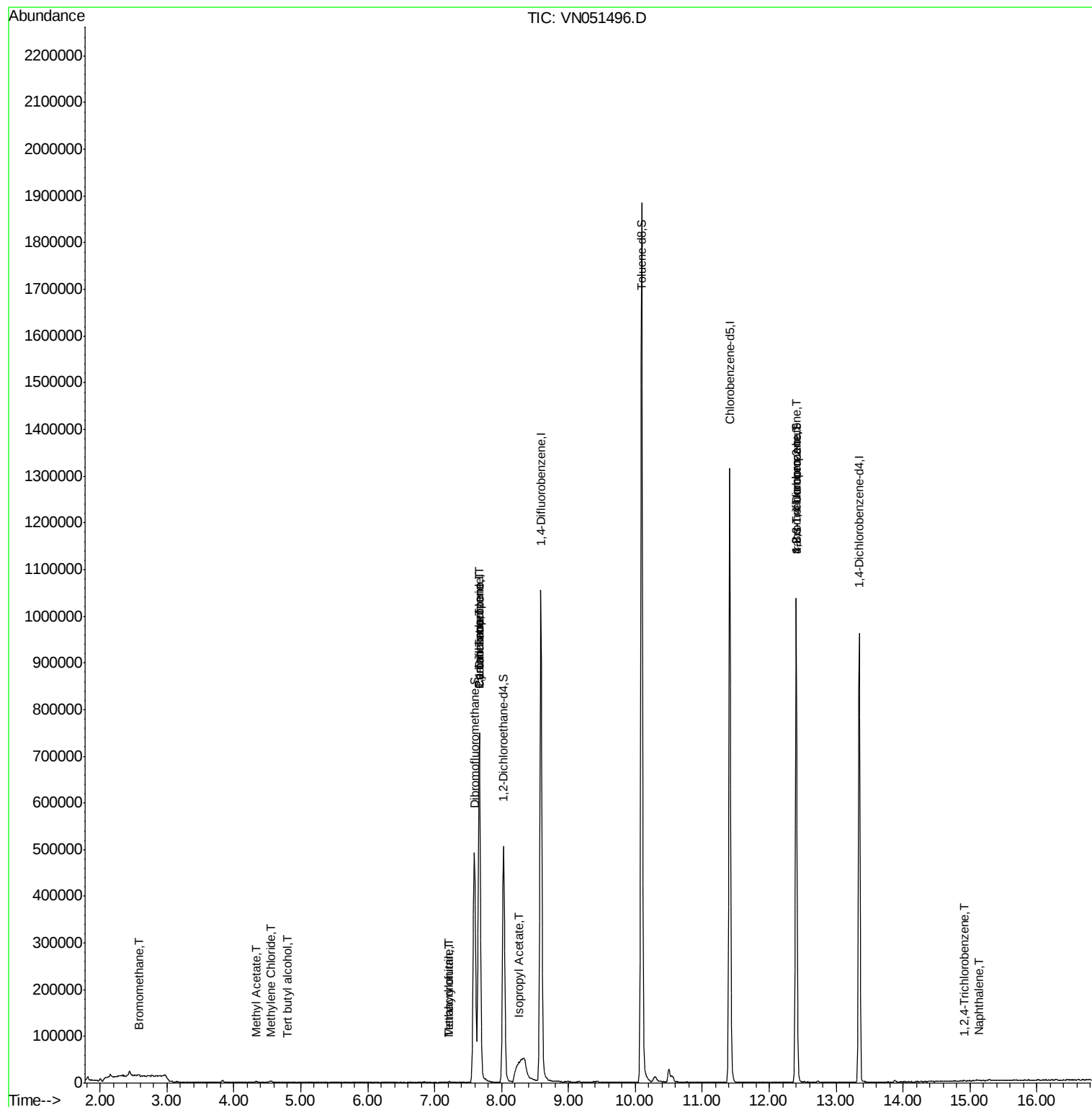
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1934	0.371	ug/l	97
11) Tert butyl alcohol	4.80	59	292	0.654	ug/l #	78
16) Acetone	3.83	43	7115	Below Cal		97
18) Methyl Acetate	4.34	43	3991	0.662	ug/l #	76
20) Methylene Chloride	4.56	84	2192	0.280	ug/l #	71
29) Tetrahydrofuran	7.22	42	1119	0.652	ug/l #	83
31) Cyclohexane	7.67	56	11535	0.926	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	44407	3.943	ug/l #	49
38) Carbon Tetrachloride	7.67	117	57688	4.897	ug/l #	16
41) Methacrylonitrile	7.22	41	819	0.229	ug/l #	30
43) Isopropyl Acetate	8.26	43	50682	4.329	ug/l #	61
76) 1,2,3-Trichloropropane	12.40	75	172858	38.084	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	172858	117.106	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.90	180	59	5.992	ug/l #	15
95) Naphthalene	15.14	128	647	8.098	ug/l #	69

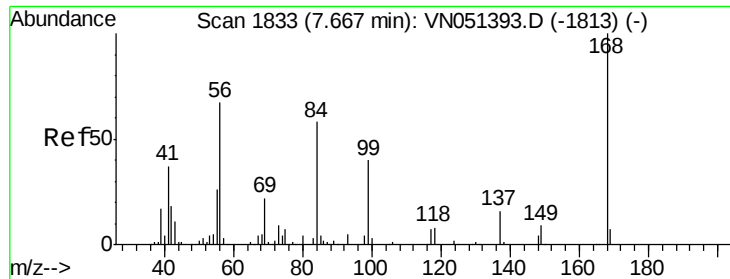
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051496.D

Acq: 25 Sep 2018 20:47

Instrument :

MSVOA_N

ClientSampleId :

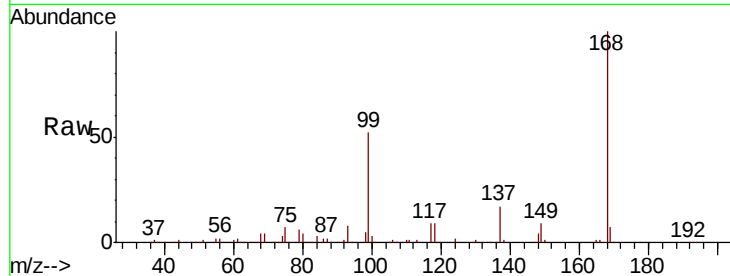
OILY-WATER

Tot Ion:168 Resp: 631587

Ion Ratio Lower Upper

168 100

99 51.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

250000

200000

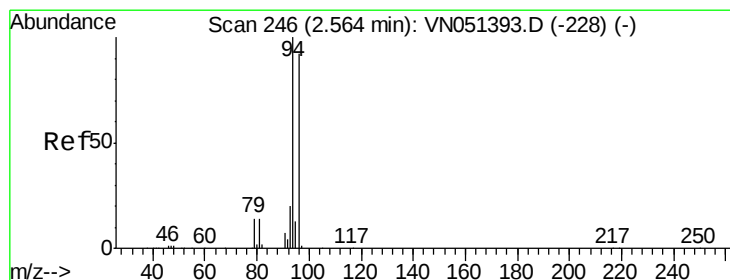
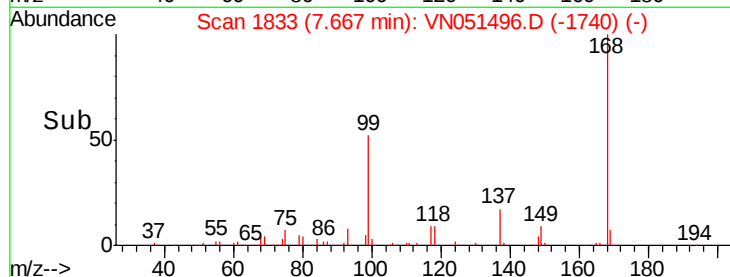
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.371 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051496.D

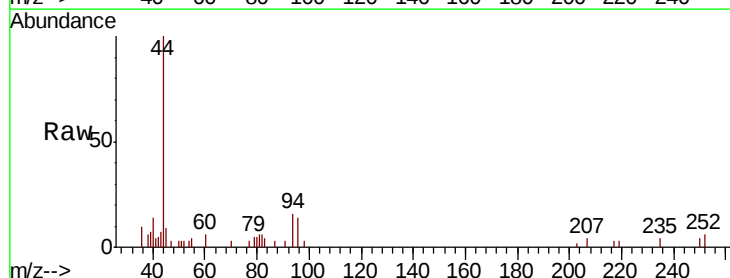
Acq: 25 Sep 2018 20:47

Tgt Ion: 94 Resp: 1934

Ion Ratio Lower Upper

94 100

96 89.4 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN051393.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN051393.D (-228) (-)

2.57

1200

1000

800

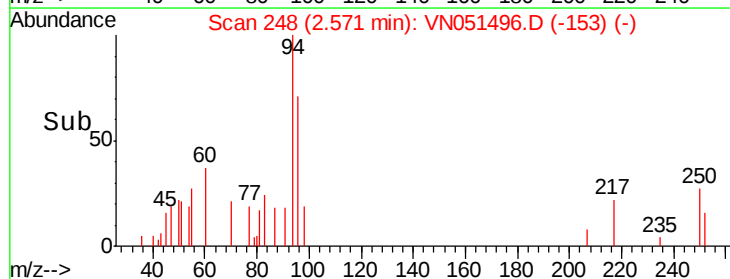
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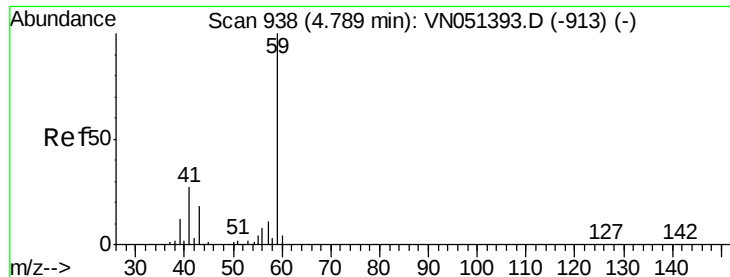
400

200

0

Time-->

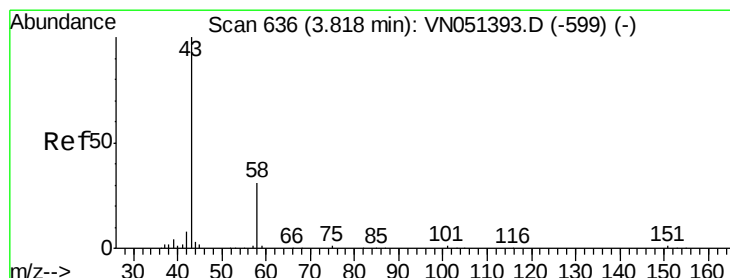
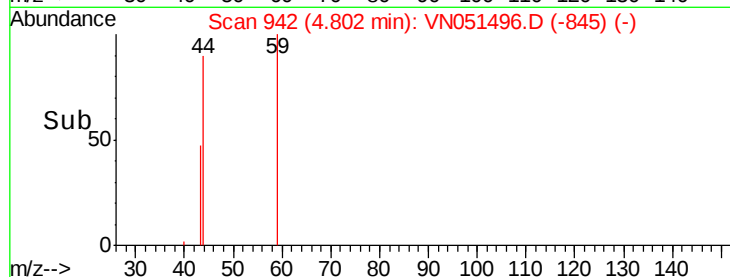
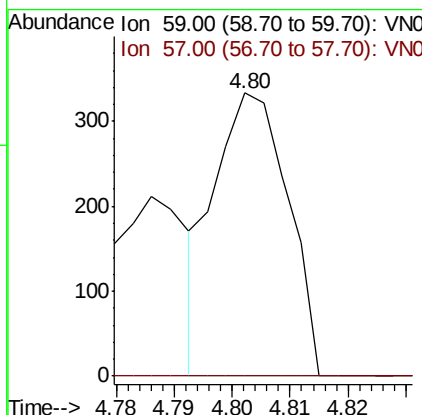
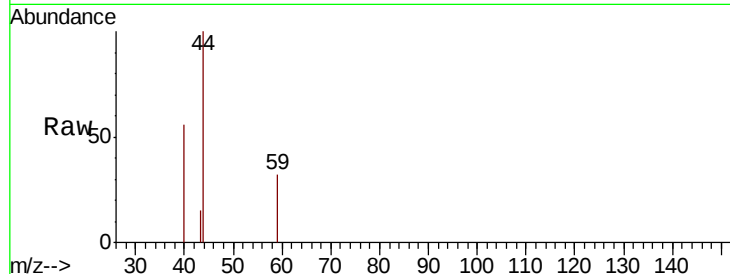




#11
Tert butyl alcohol
Concen: 0.654 ug/l
RT: 4.80 min Scan# 942
Delta R.T. 0.01 min
Lab File: VN051496.D
Acq: 25 Sep 2018 20:47

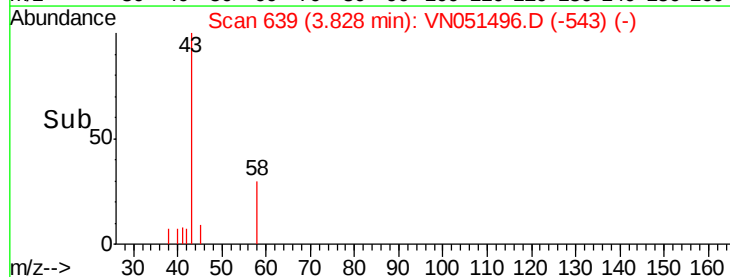
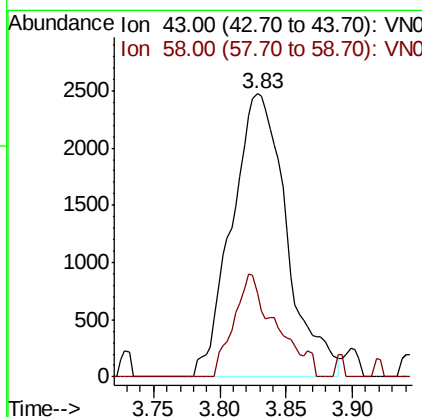
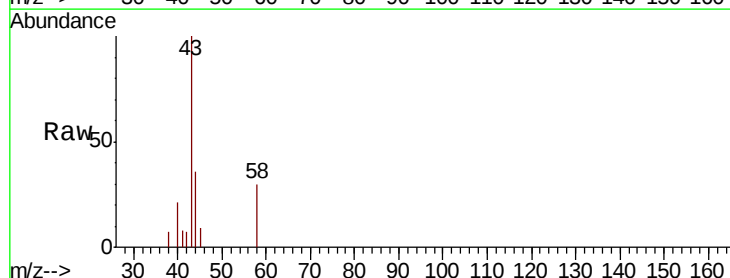
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

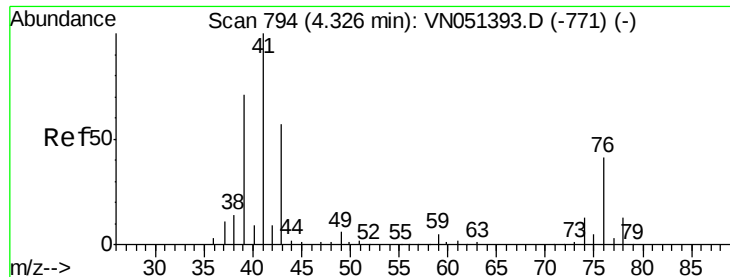
Tot Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN051496.D
Acq: 25 Sep 2018 20:47

Tgt Ion: 43 Resp: 7115
Ion Ratio Lower Upper
43 100
58 29.8 25.0 37.4

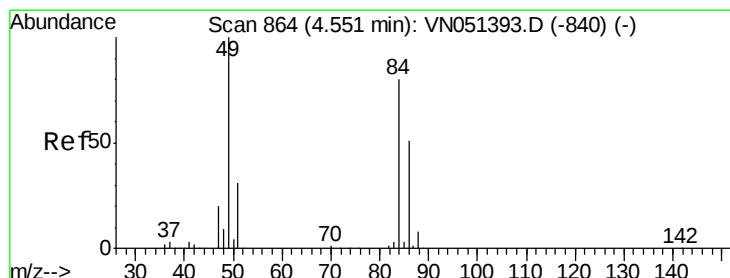
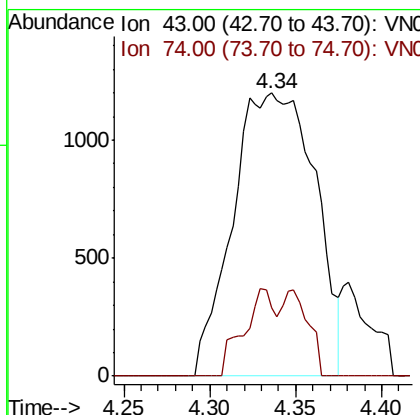
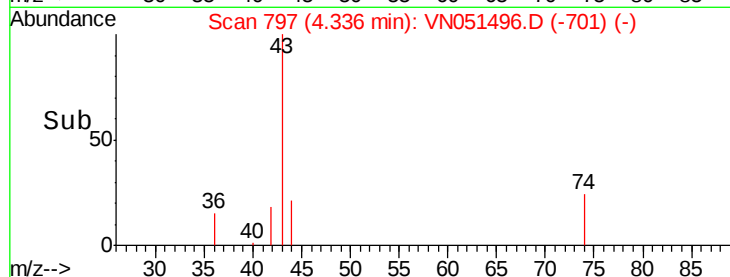
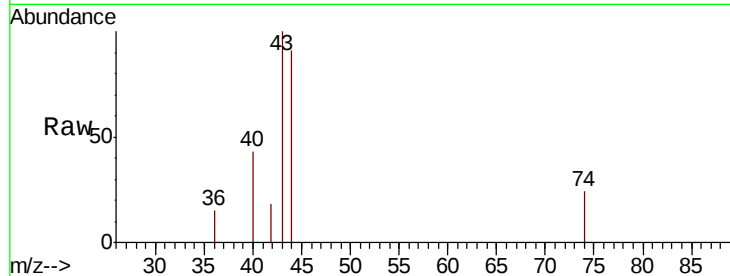




#18
Methyl Acetate
Concen: 0.662 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051496.D
Acq: 25 Sep 2018 20:47

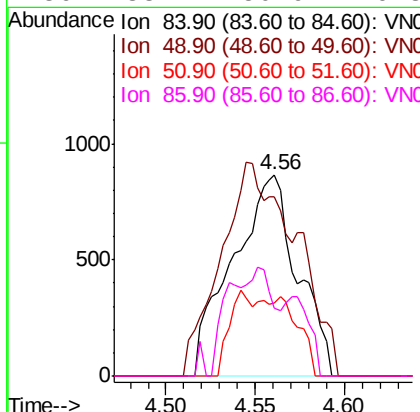
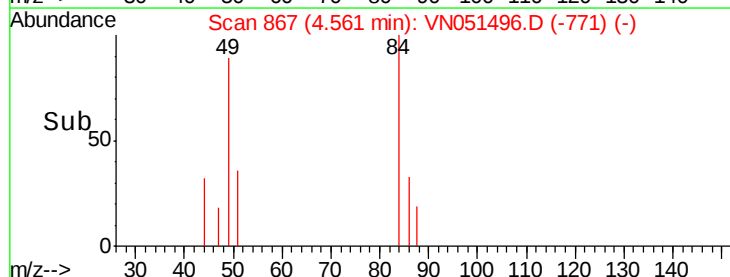
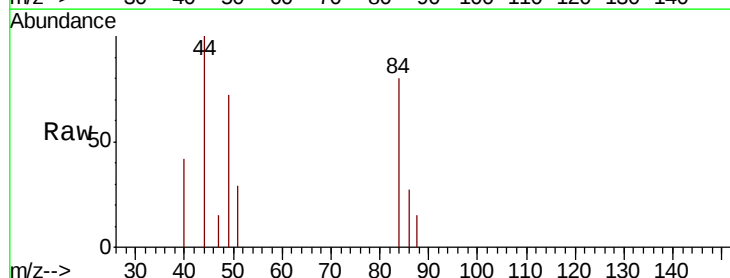
Instrument :
MSVOA_N
ClientSampled :
OILY-WATER

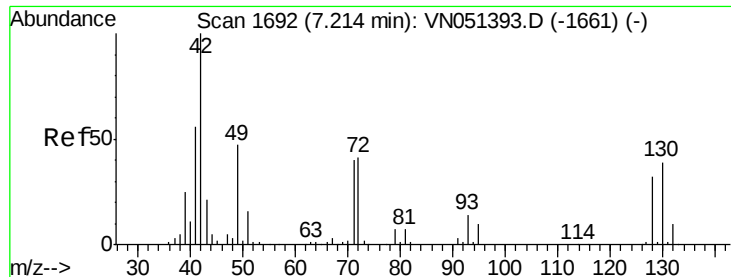
Tot Ion: 43 Resp: 3991
Ion Ratio Lower Upper
43 100
74 11.7 18.8 28.2#



#20
Methylene Chloride
Concen: 0.280 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN051496.D
Acq: 25 Sep 2018 20:47

Tgt Ion: 84 Resp: 2192
Ion Ratio Lower Upper
84 100
49 89.3 99.9 149.9#
51 36.4 31.4 47.2
86 33.4 50.9 76.3#





#29

Tetrahydrofuran

Concen: 0.652 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051496.D

Acq: 25 Sep 2018 20:47

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

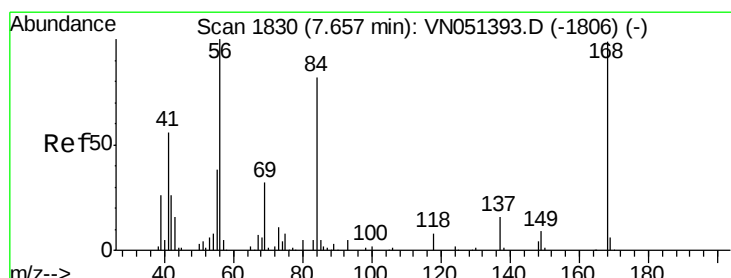
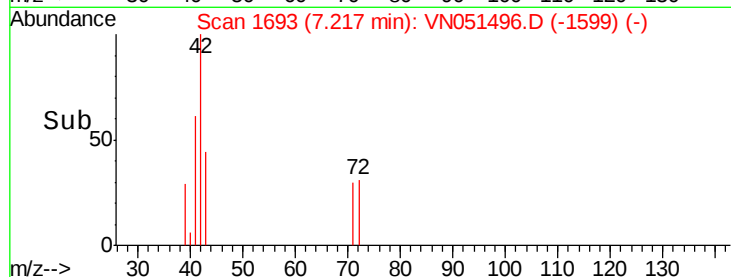
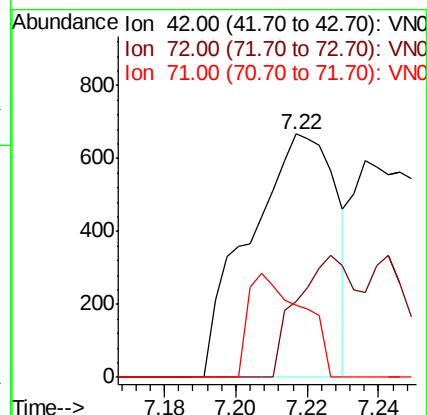
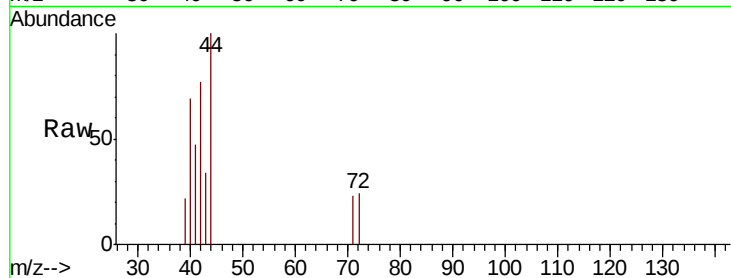
Tot Ion: 42 Resp: 1119

Ion Ratio Lower Upper

42 100

72 35.4 34.3 51.5

71 26.8 32.2 48.4#



#31

Cyclohexane

Concen: 0.926 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN051496.D

Acq: 25 Sep 2018 20:47

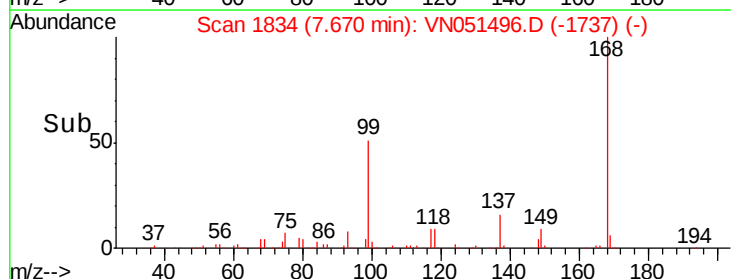
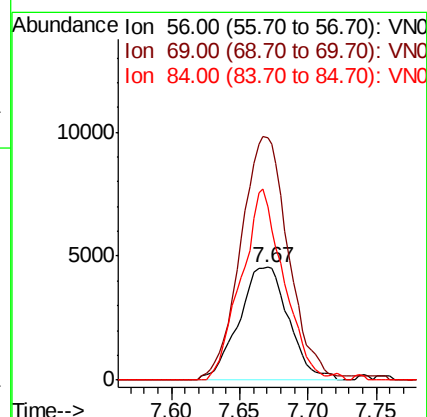
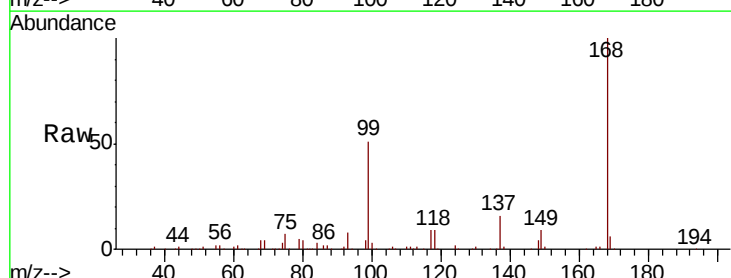
Tgt Ion: 56 Resp: 11535

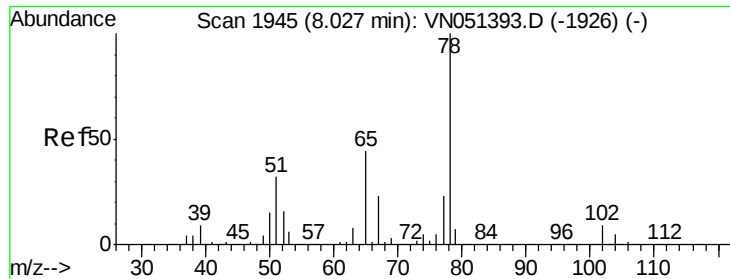
Ion Ratio Lower Upper

56 100

69 216.1 25.8 38.6#

84 153.8 66.0 99.0#

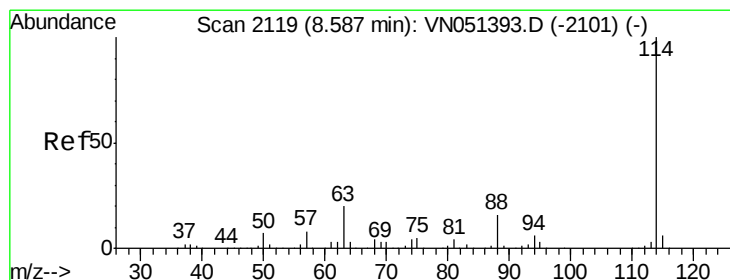
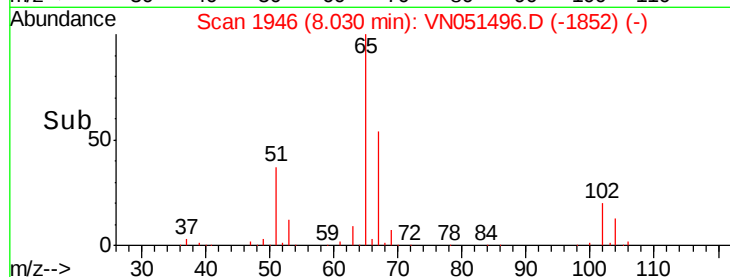
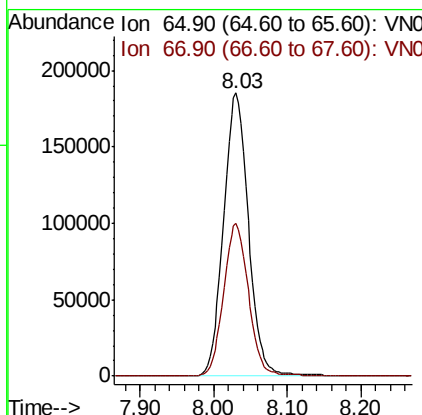
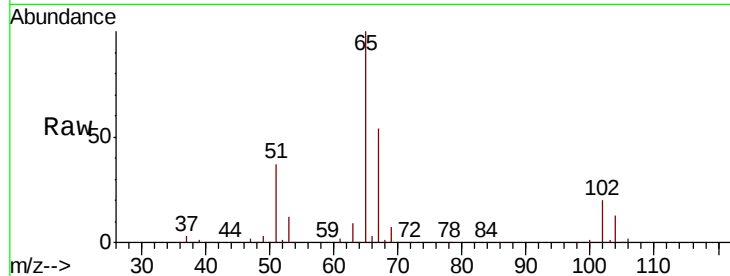




#33
 1,2-Dichloroethane-d4
 Concen: 55.040 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051496.D
 Acq: 25 Sep 2018 20:47

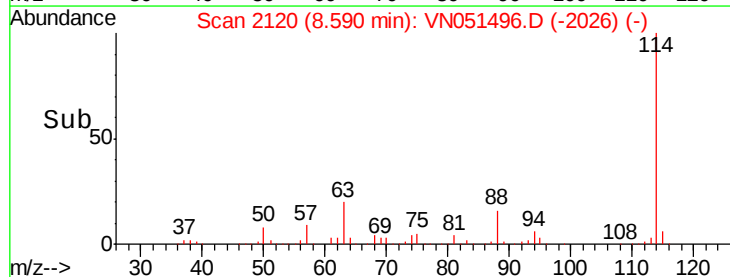
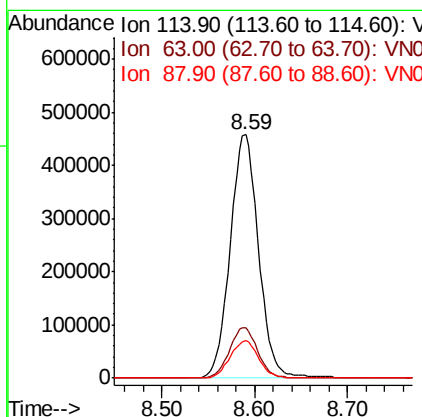
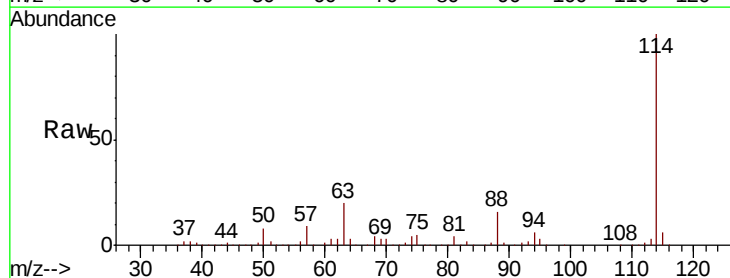
Instrument :
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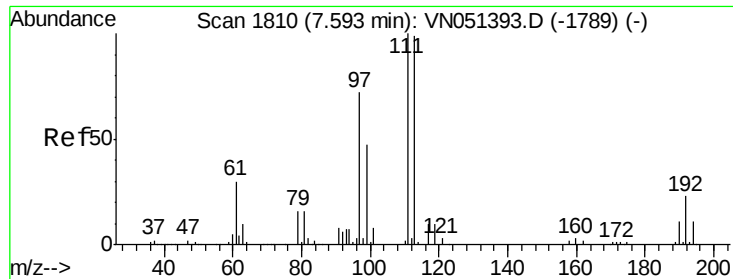
Tot Ion: 65 Resp: 435465
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051496.D
 Acq: 25 Sep 2018 20:47

Tgt Ion: 114 Resp: 972492
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.2
 88 15.6 0.0 31.4

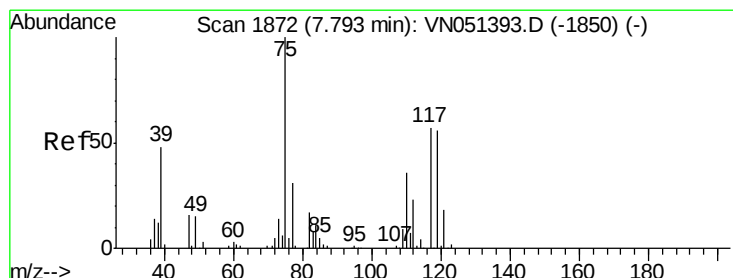
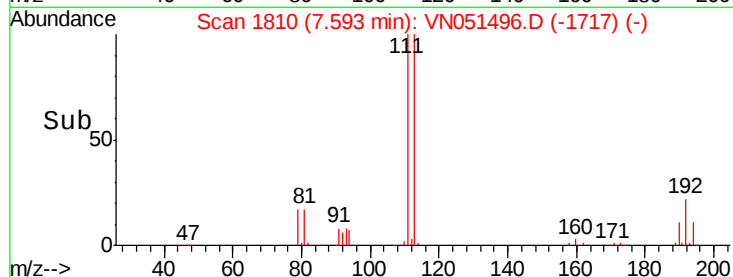
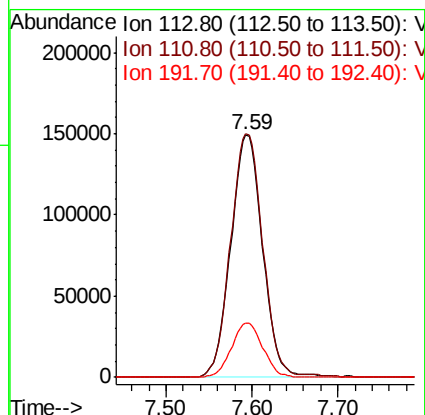
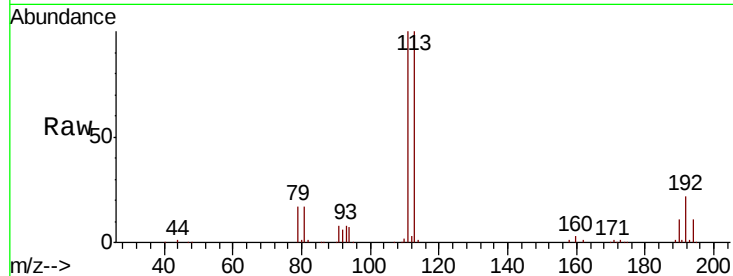




#35
 Dibromofluoromethane
 Concen: 49.220 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051496.D
 Acq: 25 Sep 2018 20:47

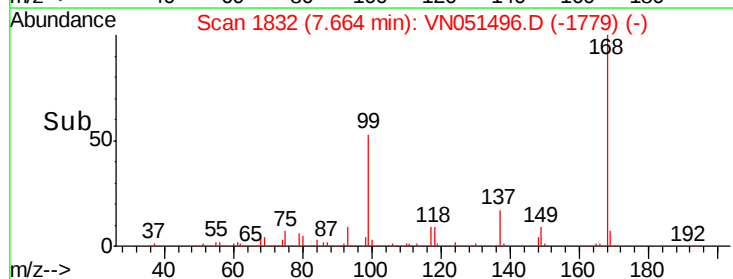
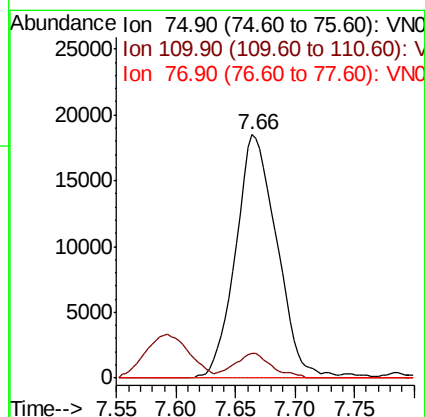
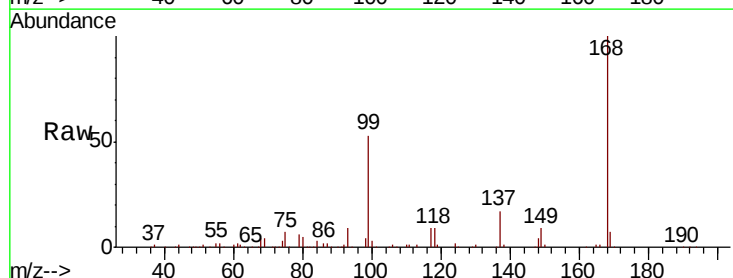
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER

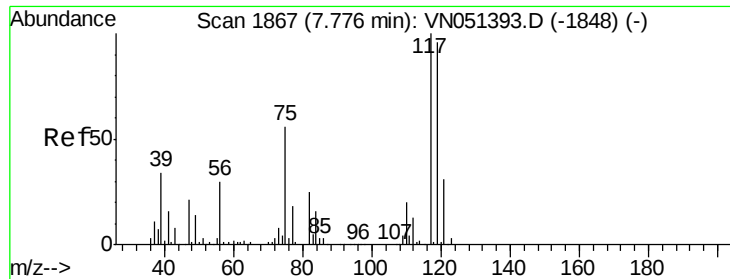
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.6	123.8
192	22.1	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.943 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN051496.D
 Acq: 25 Sep 2018 20:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.3#
77	0.0	25.6	38.4#





#38

Carbon Tetrachloride

Concen: 4.897 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051496.D

Acq: 25 Sep 2018 20:47

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

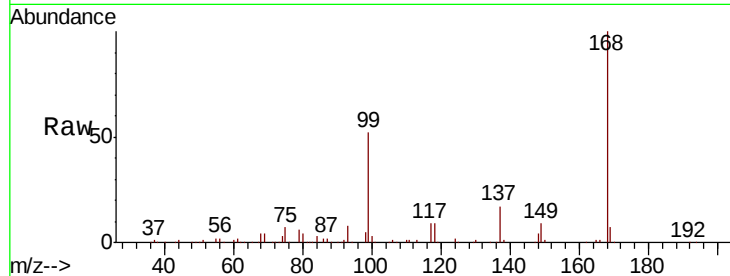
Tot Ion:117 Resp: 57688

Ion Ratio Lower Upper

117 100

119 5.1 76.9 115.3#

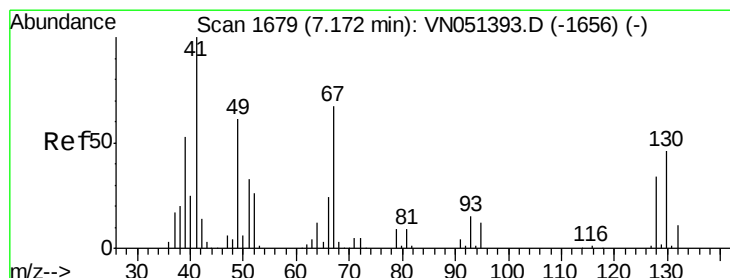
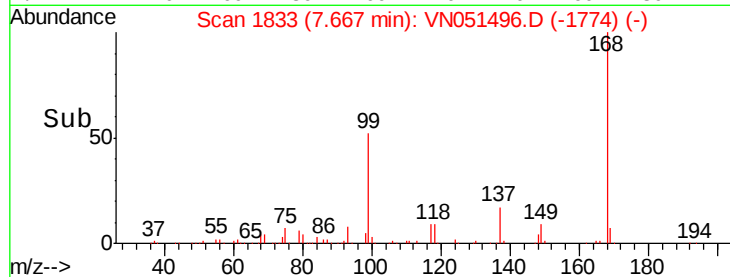
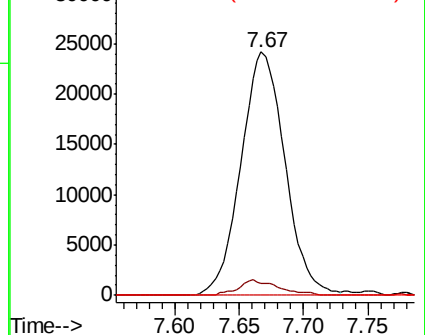
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.229 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.05 min

Lab File: VN051496.D

Acq: 25 Sep 2018 20:47

Tgt Ion: 41 Resp: 819

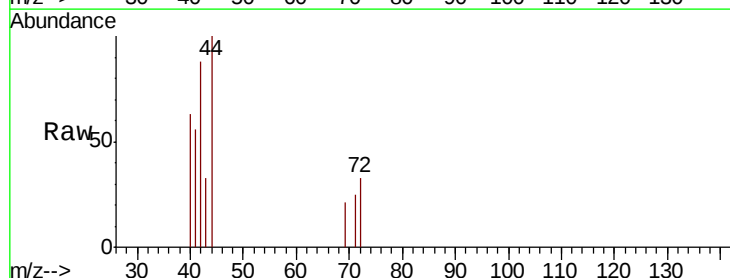
Ion Ratio Lower Upper

41 100

39 28.8 51.4 77.2#

67 0.0 66.8 100.2#

52 0.0 27.7 41.5#

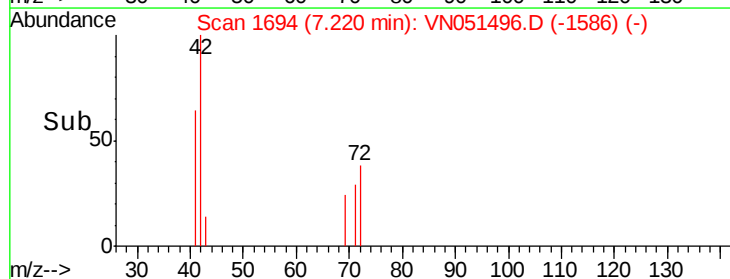
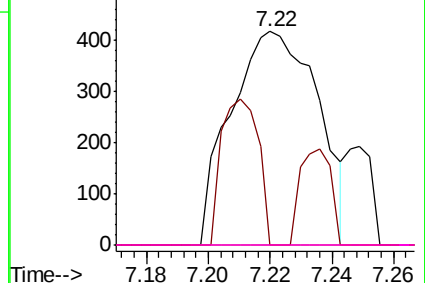


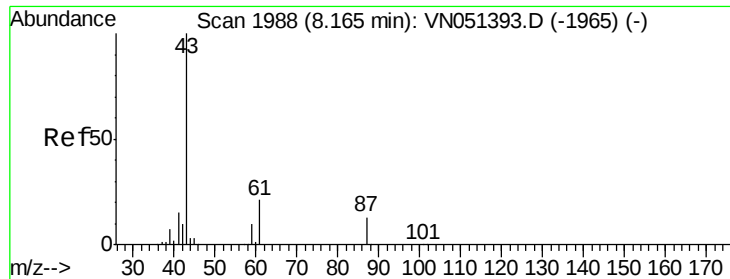
Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC





#43

Isopropyl Acetate

Concen: 4.329 ug/l

RT: 8.26 min Scan# 2016

Delta R.T. 0.09 min

Lab File: VN051496.D

Acq: 25 Sep 2018 20:47

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

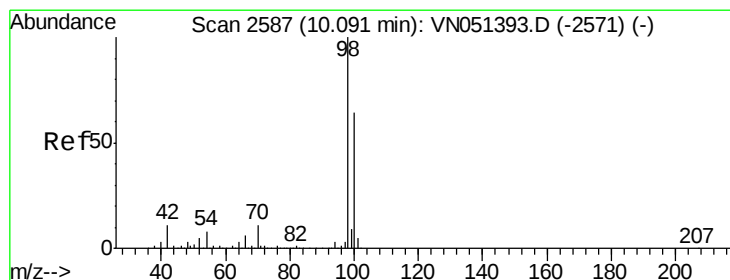
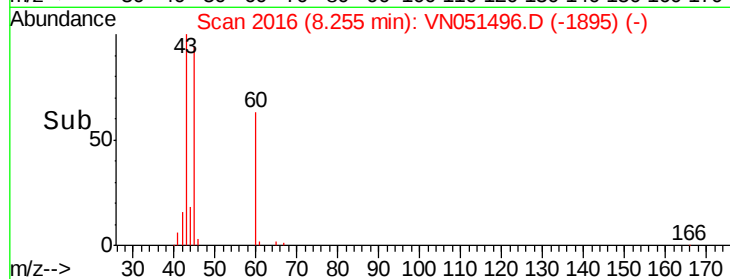
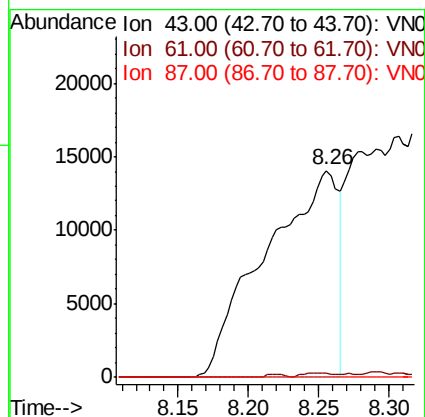
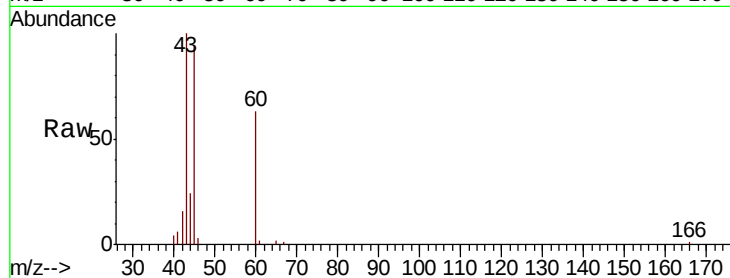
Tot Ion: 43 Resp: 50682

Ion Ratio Lower Upper

43 100

61 0.9 16.8 25.2#

87 0.0 10.7 16.1#



#50

Toluene-d8

Concen: 46.939 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051496.D

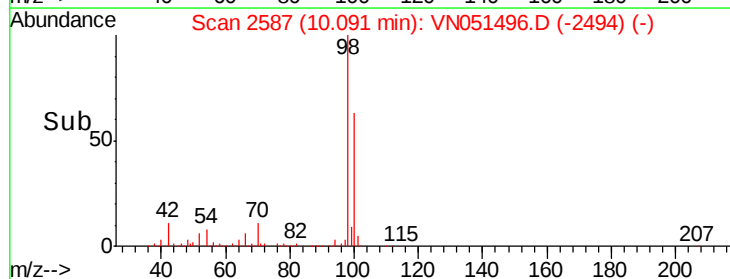
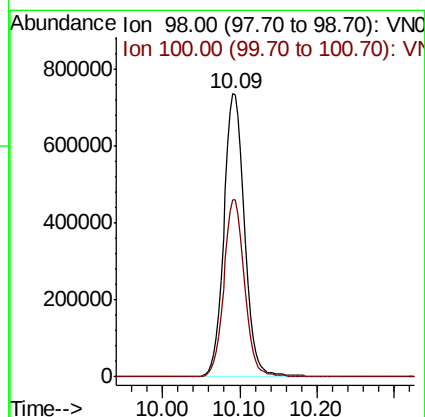
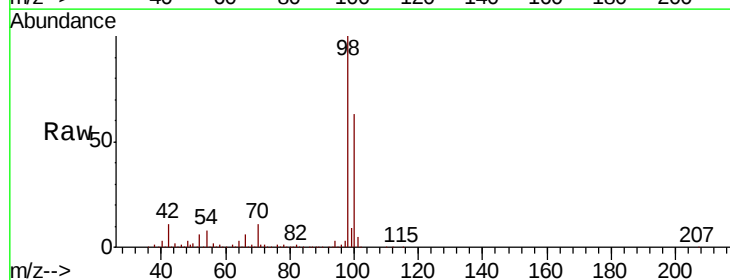
Acq: 25 Sep 2018 20:47

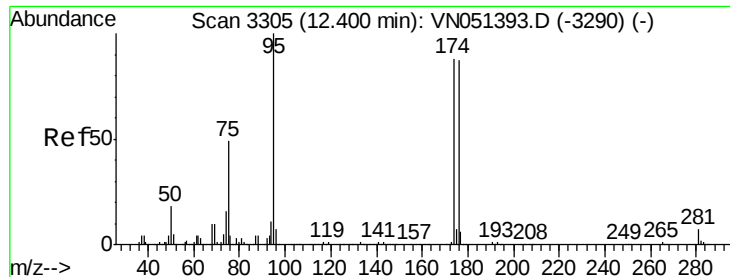
Tgt Ion: 98 Resp: 1374564

Ion Ratio Lower Upper

98 100

100 62.6 50.6 75.8





#62

4-Bromofluorobenzene

Concen: 36.967 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051496.D

Acq: 25 Sep 2018 20:47

Instrument :

MSVOA_N

ClientSampled :

OILY-WATER

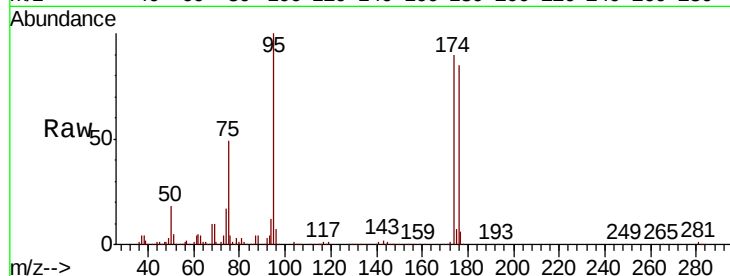
Tot Ion: 95 Resp: 350202

Ion Ratio Lower Upper

95 100

174 90.6 0.0 181.6

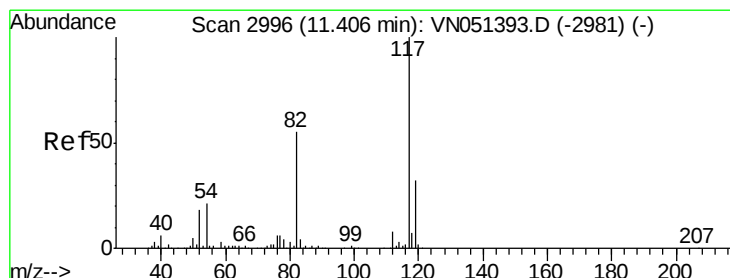
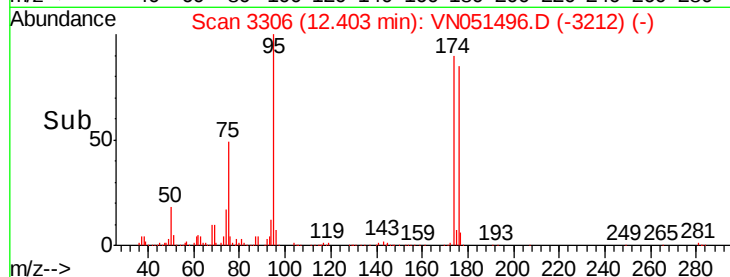
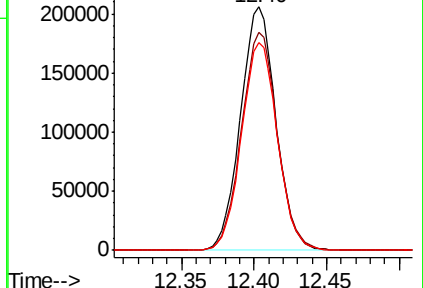
176 86.7 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN051393.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051393.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051393.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051496.D

Acq: 25 Sep 2018 20:47

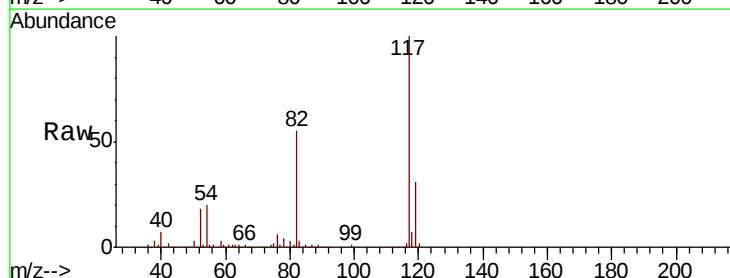
Tgt Ion: 117 Resp: 796155

Ion Ratio Lower Upper

117 100

82 55.2 44.2 66.2

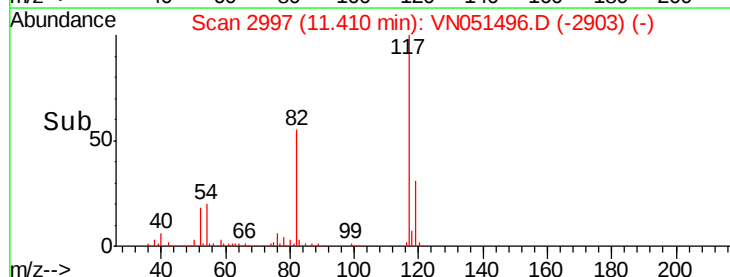
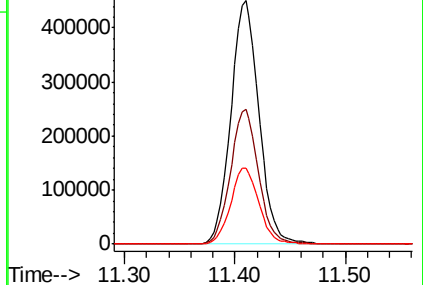
119 31.2 25.9 38.9

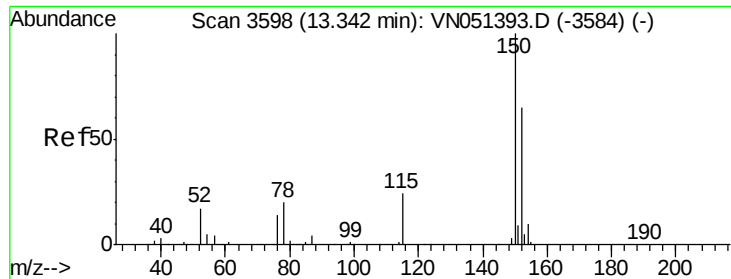


Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051393.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051393.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051496.D

Acq: 25 Sep 2018 20:47

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

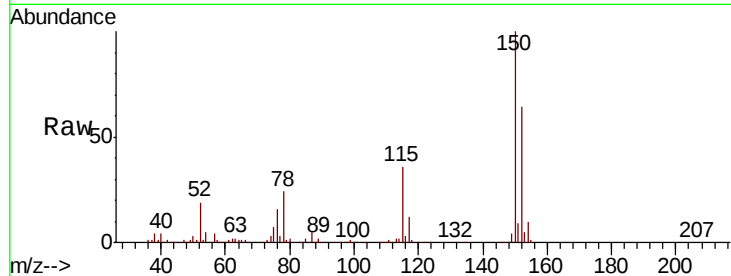
Tot Ion:152 Resp: 273414

Ion Ratio Lower Upper

152 100

115 56.4 28.3 84.9

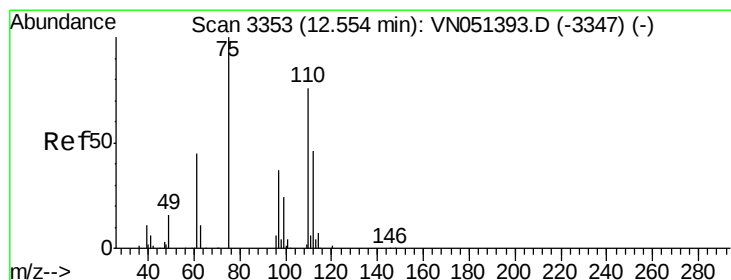
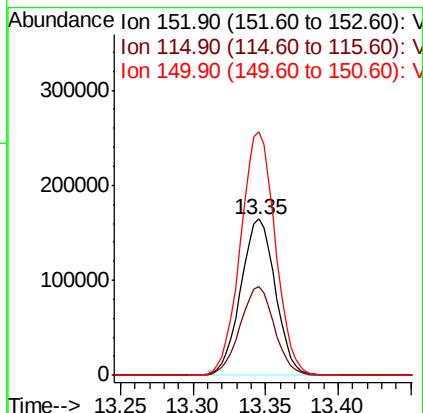
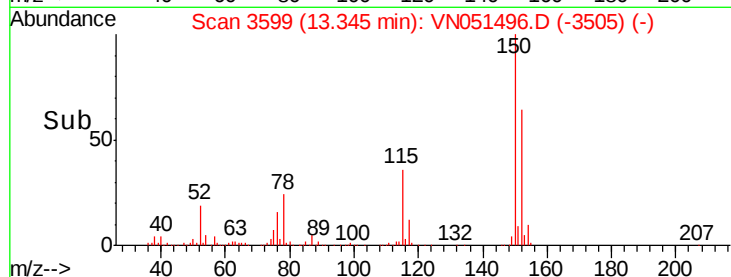
150 156.1 0.0 353.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 38.084 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051496.D

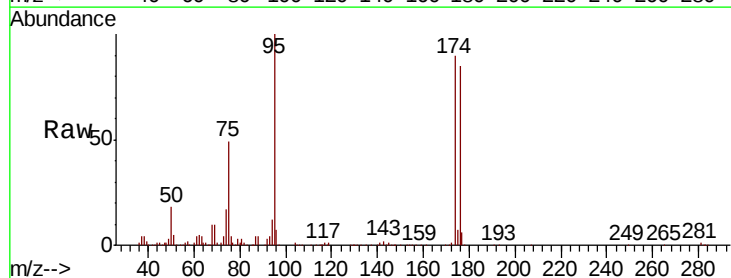
Acq: 25 Sep 2018 20:47

Tgt Ion: 75 Resp: 172858

Ion Ratio Lower Upper

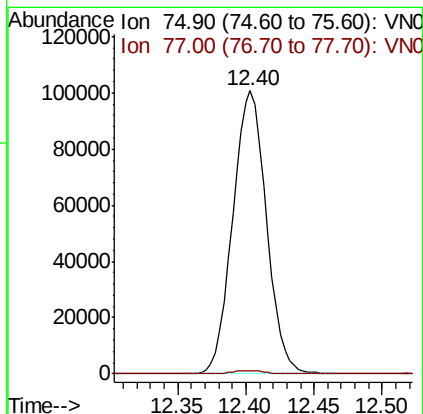
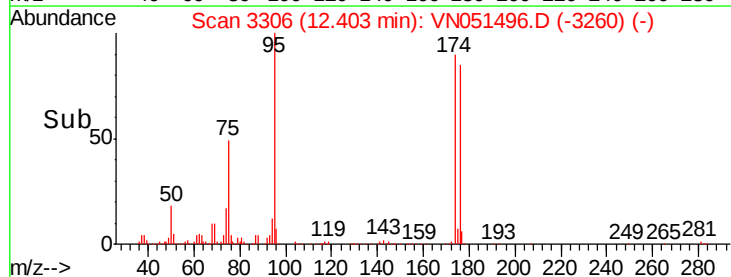
75 100

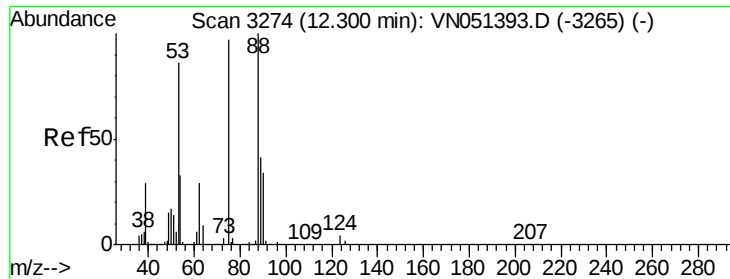
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 117.106 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051496.D

Acq: 25 Sep 2018 20:47

Instrument :

MSVOA_N

ClientSampled :

OILY-WATER

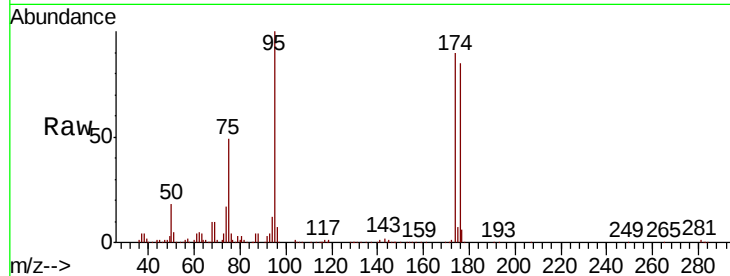
Tot Ion: 75 Resp: 172858

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

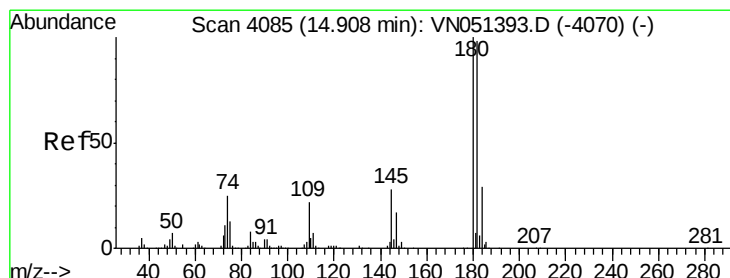
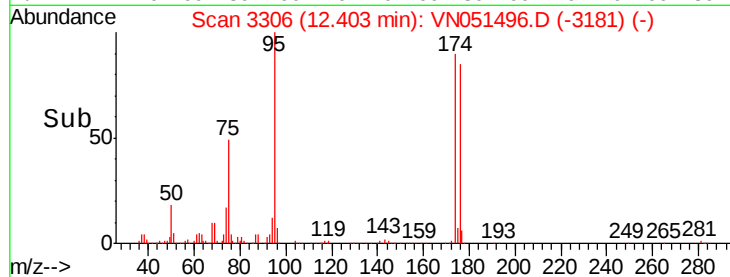
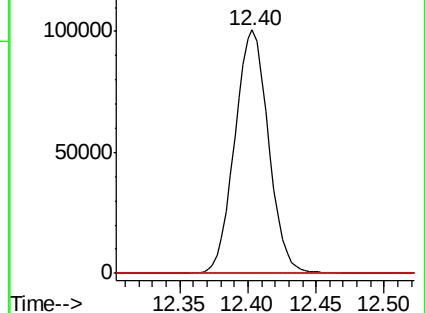
89 0.1 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2,4-Trichlorobenzene

Concen: 5.992 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN051496.D

Acq: 25 Sep 2018 20:47

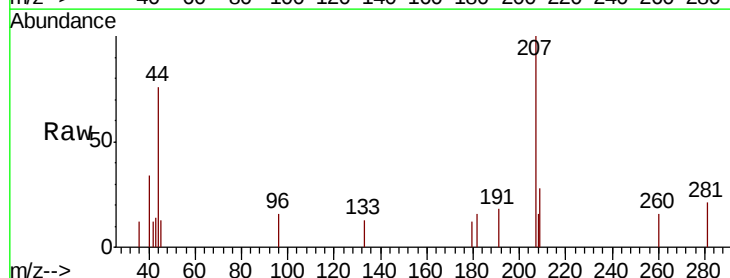
Tgt Ion: 180 Resp: 59

Ion Ratio Lower Upper

180 100

182 189.8 48.5 145.6#

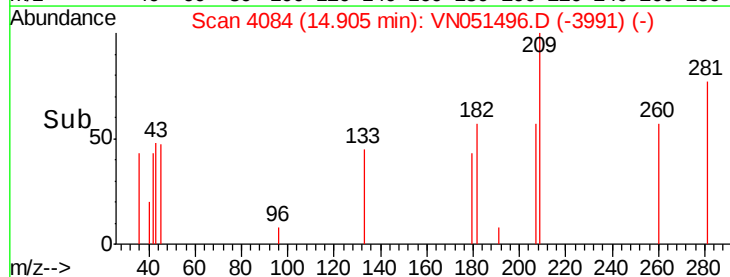
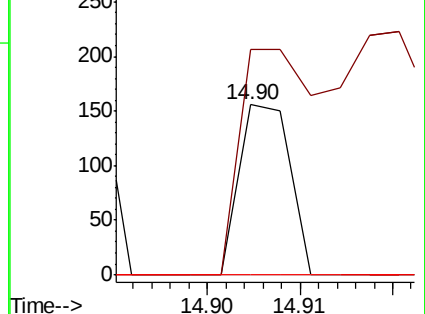
145 0.0 14.1 42.4#

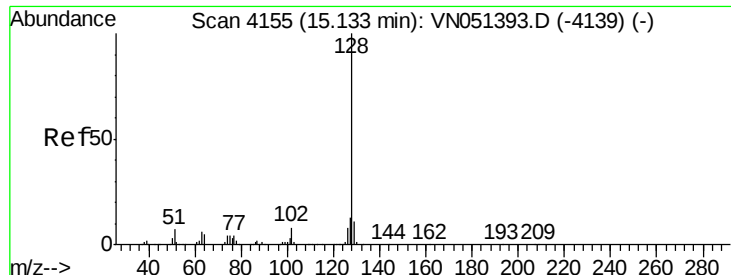


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 8.098 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051496.D

Acq: 25 Sep 2018 20:47

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

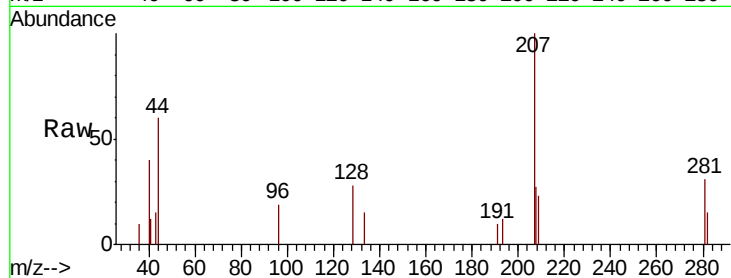
Tot Ion:128 Resp: 647

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

