

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092618\
 Data File : VN051497.D
 Acq On : 25 Sep 2018 21:12
 Operator : MD\SY
 Sample : J5055-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER

Quant Time: Sep 26 04:10:30 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	623911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	964085	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	789776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	276691	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	436441	55.84	ug/l	0.00
Spiked Amount			Recovery	=	111.68%	
35) Dibromofluoromethane	7.60	113	382564	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
50) Toluene-d8	10.09	98	1343885	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	
62) 4-Bromofluorobenzene	12.40	95	357798	38.10	ug/l	0.00
Spiked Amount			Recovery	=	76.20%	

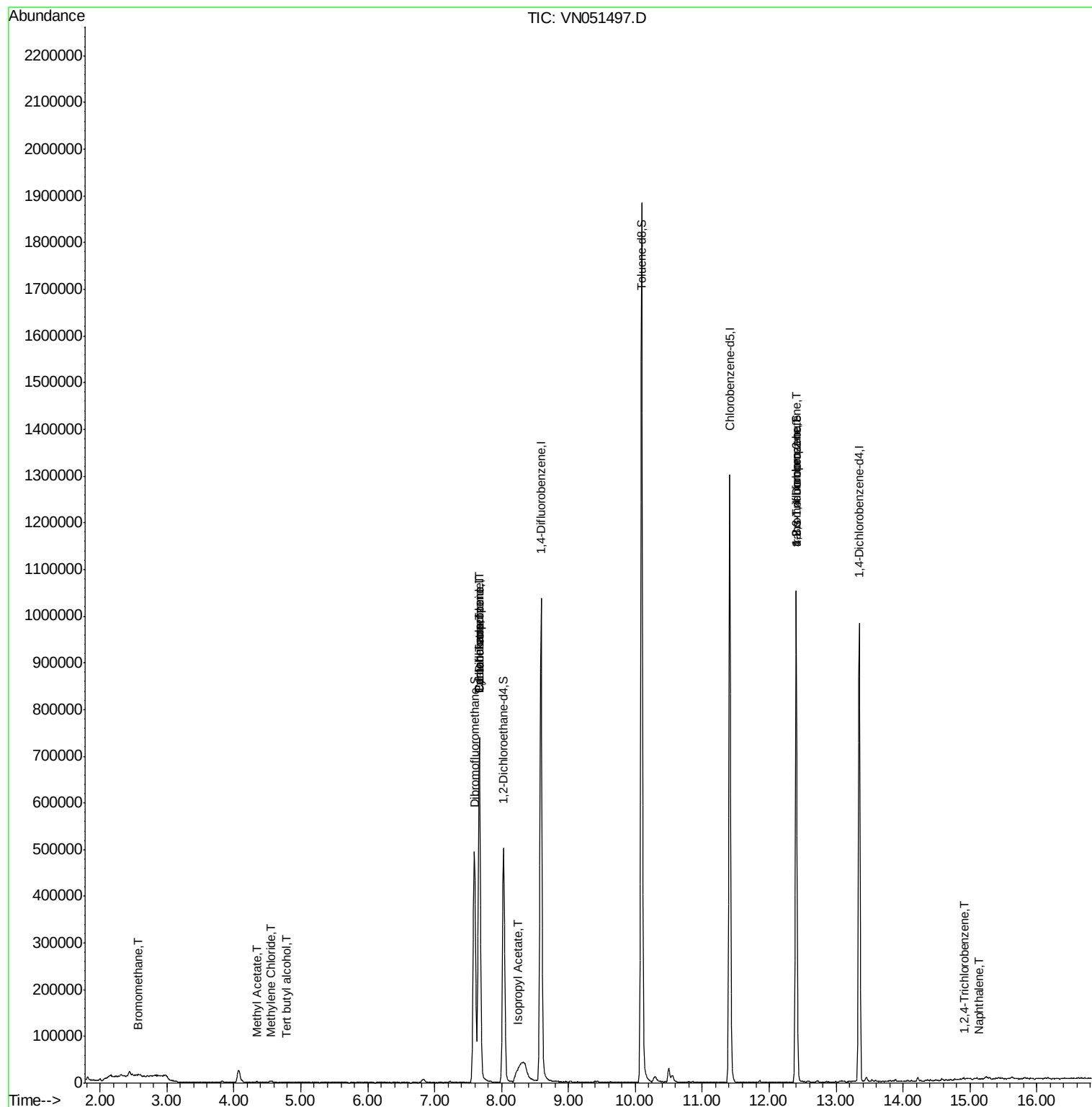
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1556	0.313	ug/l #	81
11) Tert butyl alcohol	4.79	59	425	0.964	ug/l #	78
16) Acetone	3.83	43	3720	Below Cal		94
18) Methyl Acetate	4.34	43	3938	0.662	ug/l #	72
20) Methylene Chloride	4.56	84	1904	0.246	ug/l #	65
31) Cyclohexane	7.66	56	10987	0.893	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	43947	3.936	ug/l #	49
38) Carbon Tetrachloride	7.67	117	55977	4.794	ug/l #	16
43) Isopropyl Acetate	8.23	43	21220	1.828	ug/l #	60
76) 1,2,3-Trichloropropane	12.40	75	174345	37.957	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	174345	116.715	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.90	180	33	5.987	ug/l #	1
95) Naphthalene	15.14	128	544	8.089	ug/l #	69

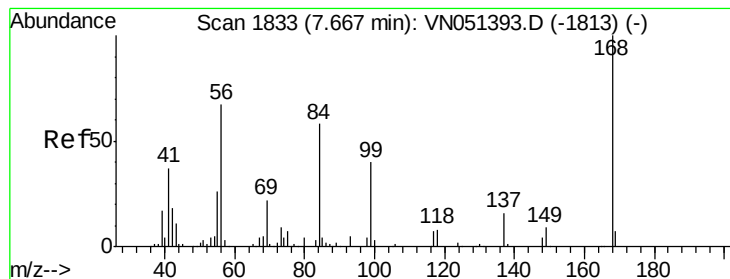
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051497.D

Acq: 25 Sep 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

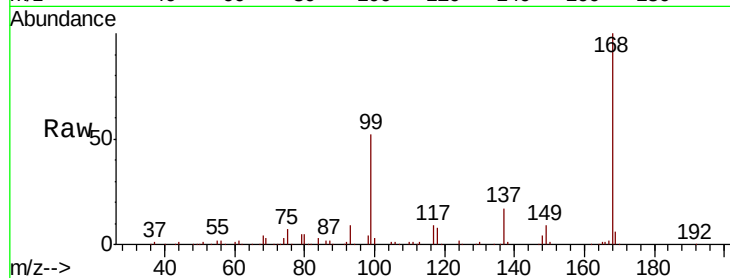
OILY-WATER

Tot Ion:168 Resp: 623911

Ion Ratio Lower Upper

168 100

99 51.8 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

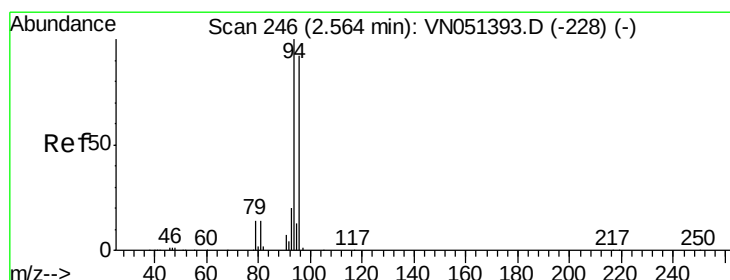
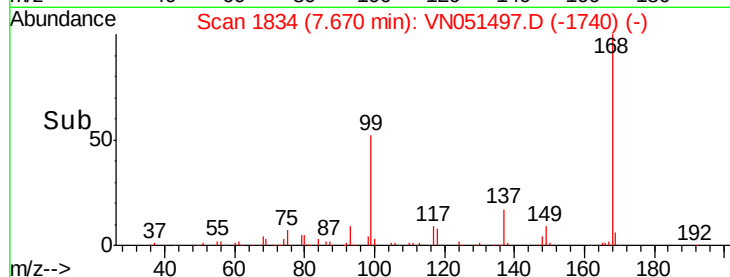
100000

50000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: 0.313 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051497.D

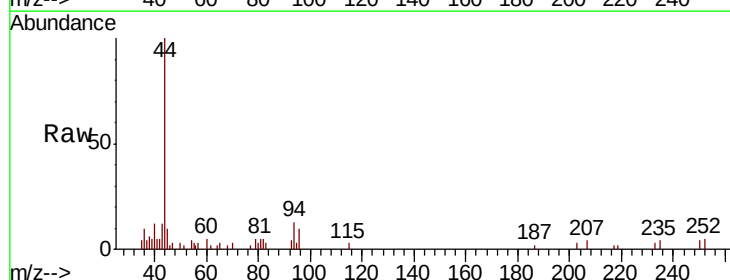
Acq: 25 Sep 2018 21:12

Tgt Ion: 94 Resp: 1556

Ion Ratio Lower Upper

94 100

96 73.6 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

1000

800

600

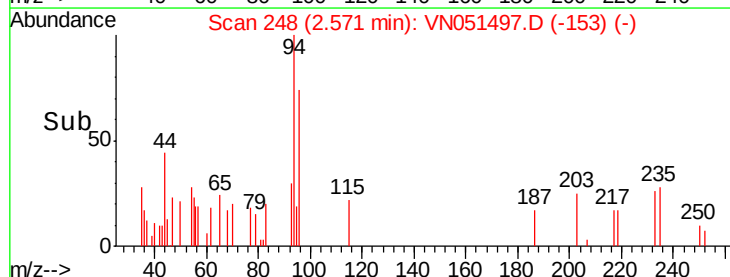
400

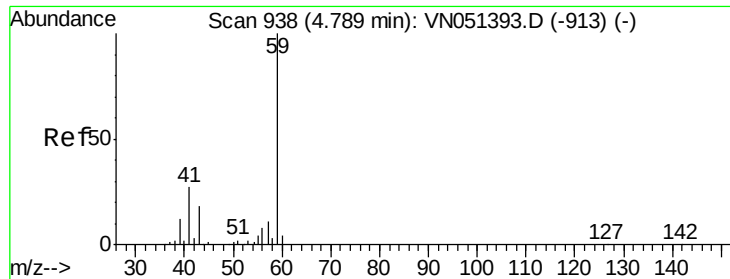
200

0

2.55 2.60

Time-->

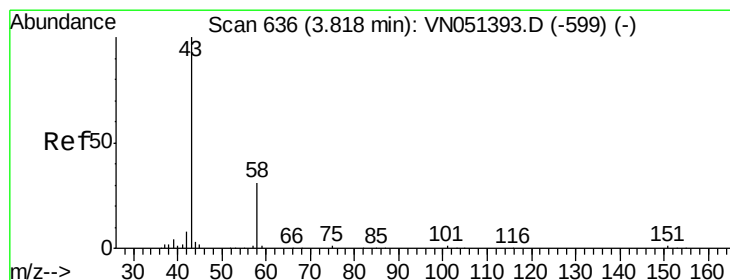
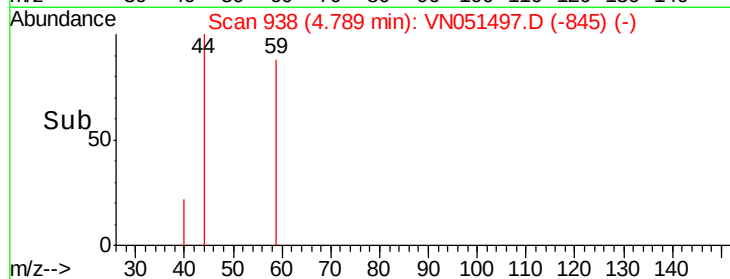
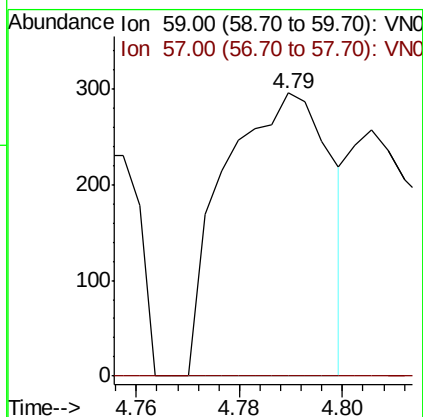
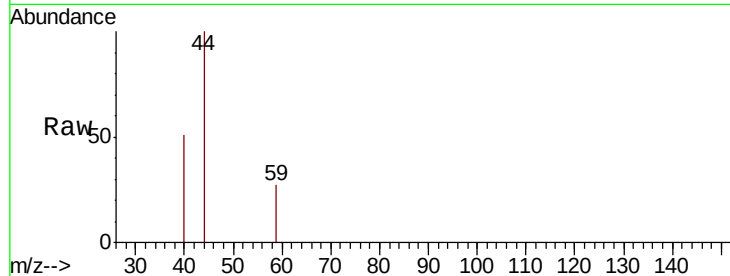




#11
Tert butyl alcohol
Concen: 0.964 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051497.D
Acq: 25 Sep 2018 21:12

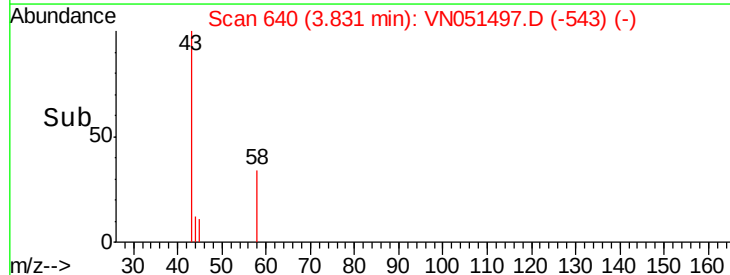
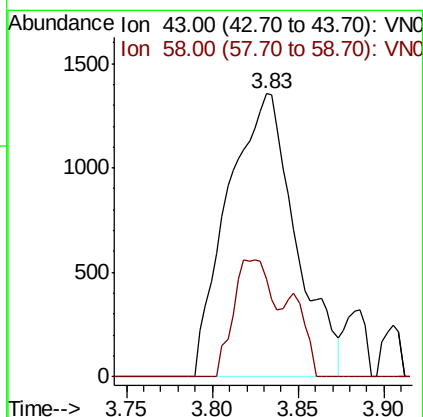
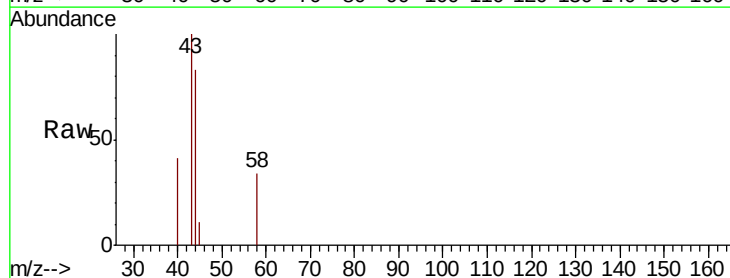
Instrument :
MSVOA_N
ClientSampled :
OILY-WATER

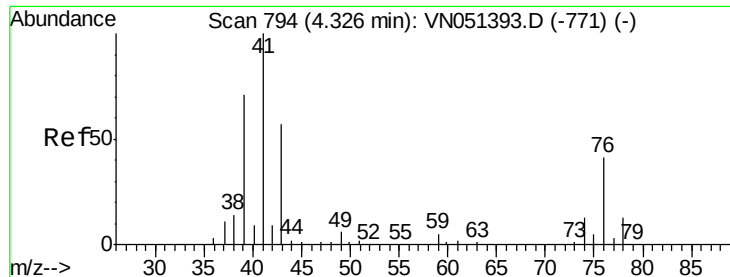
Tot Ion: 59 Resp: 425
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 640
Delta R.T. 0.01 min
Lab File: VN051497.D
Acq: 25 Sep 2018 21:12

Tgt Ion: 43 Resp: 3720
Ion Ratio Lower Upper
43 100
58 34.5 25.0 37.4

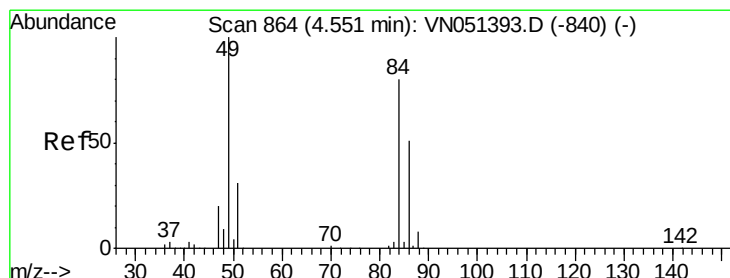
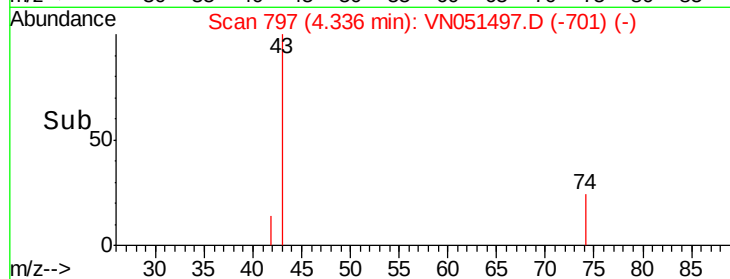
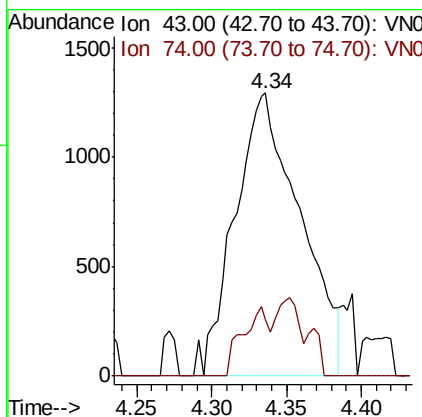
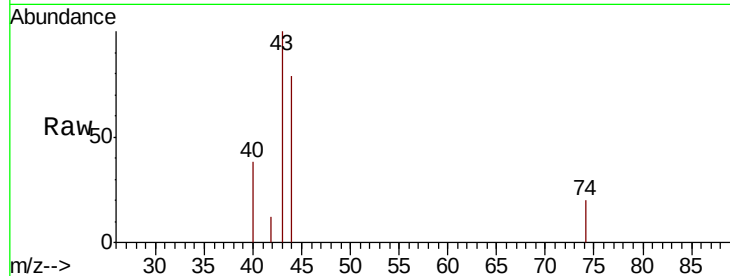




#18
Methyl Acetate
Concen: 0.662 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051497.D
Acq: 25 Sep 2018 21:12

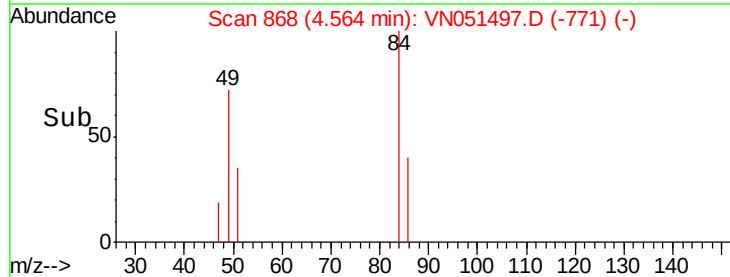
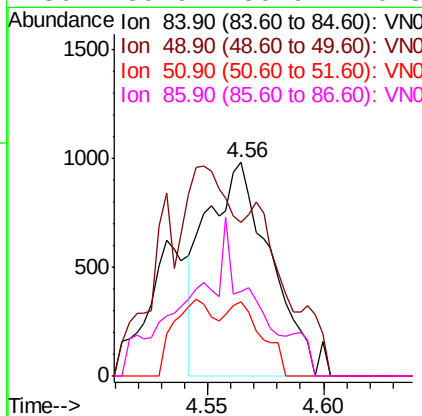
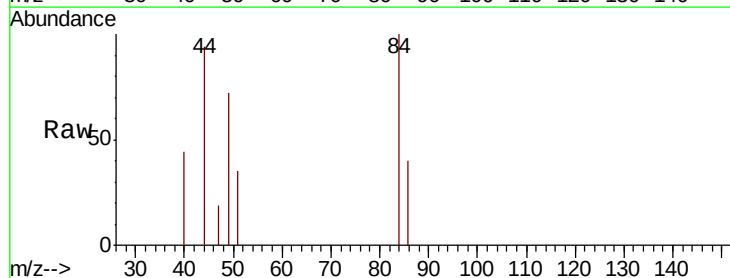
Instrument :
MSVOA_N
ClientSampled :
OILY-WATER

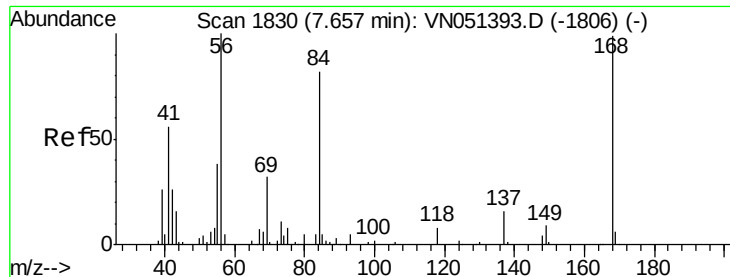
Tot Ion: 43 Resp: 3938
Ion Ratio Lower Upper
43 100
74 9.8 18.8 28.2#



#20
Methylene Chloride
Concen: 0.246 ug/l
RT: 4.56 min Scan# 868
Delta R.T. 0.01 min
Lab File: VN051497.D
Acq: 25 Sep 2018 21:12

Tgt Ion: 84 Resp: 1904
Ion Ratio Lower Upper
84 100
49 71.9 99.9 149.9#
51 34.6 31.4 47.2
86 39.9 50.9 76.3#

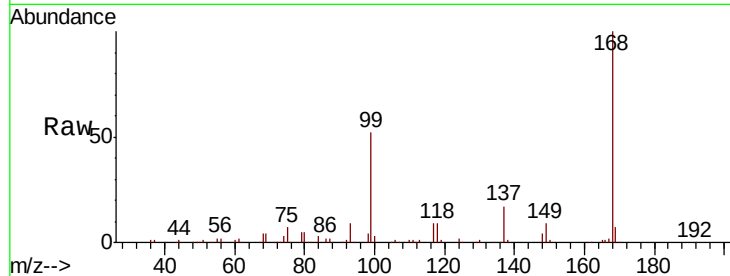




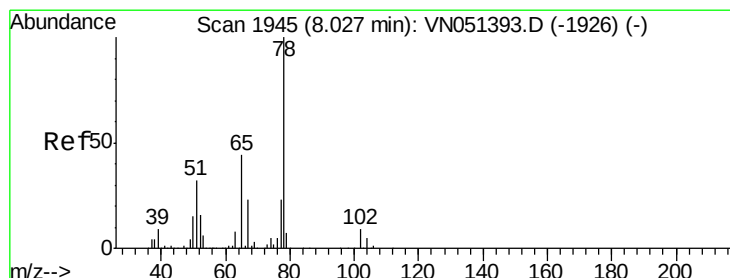
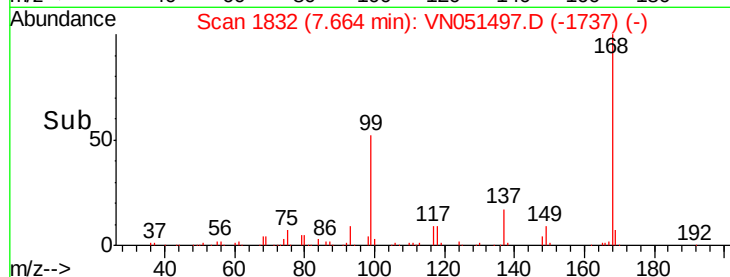
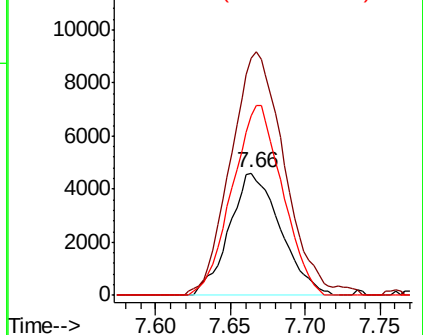
#31
Cyclohexane
Concen: 0.893 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051497.D
Acq: 25 Sep 2018 21:12

Instrument :
MSVOA_N
ClientSampled :
OILY-WATER

Tot Ion: 56 Resp: 10987
Ion Ratio Lower Upper
56 100
69 190.6 25.8 38.6#
84 146.1 66.0 99.0#

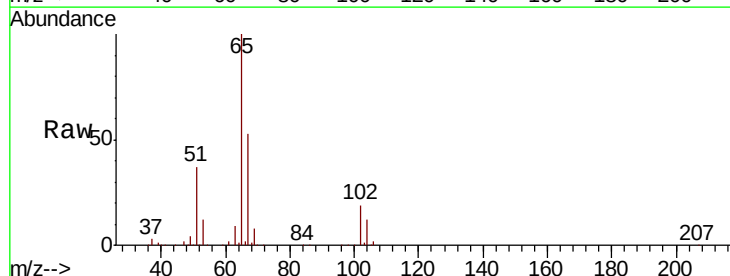


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

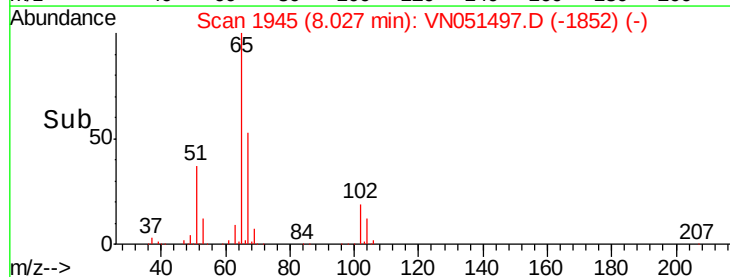
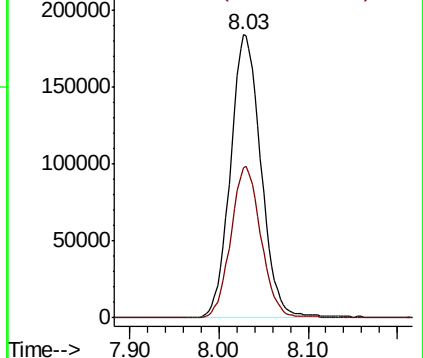


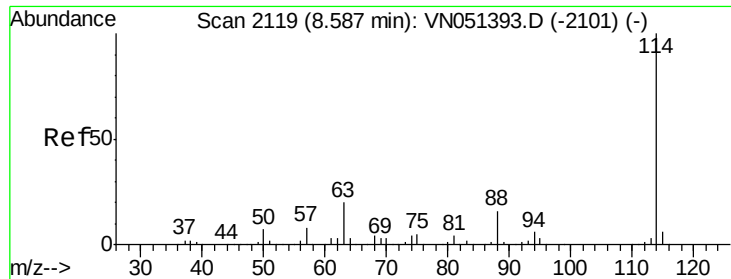
#33
1,2-Dichloroethane-d4
Concen: 55.842 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN051497.D
Acq: 25 Sep 2018 21:12

Tgt Ion: 65 Resp: 436441
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

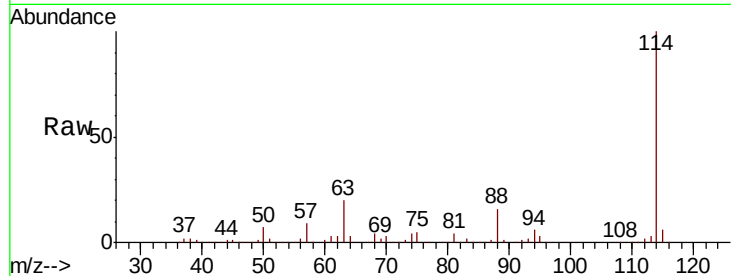




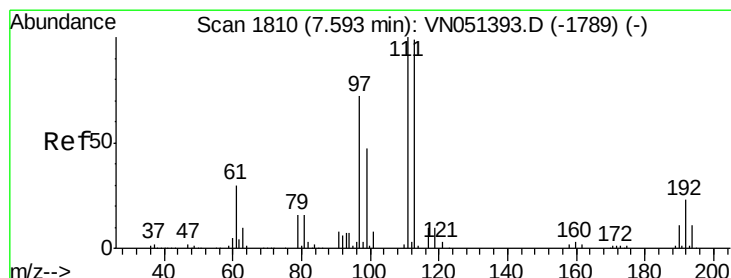
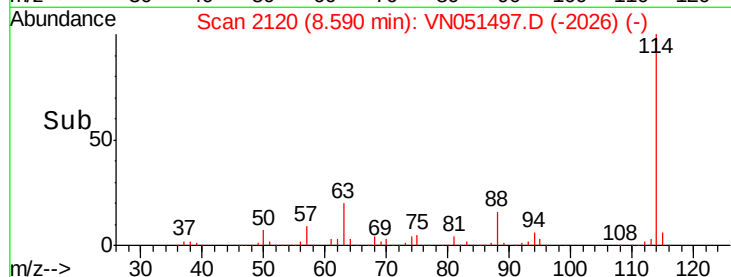
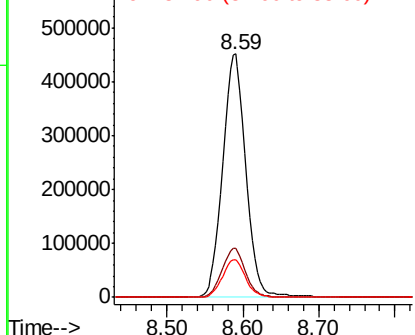
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051497.D
 Acq: 25 Sep 2018 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER

Tot Ion:114 Resp: 964085
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.2
 88 15.6 0.0 31.4

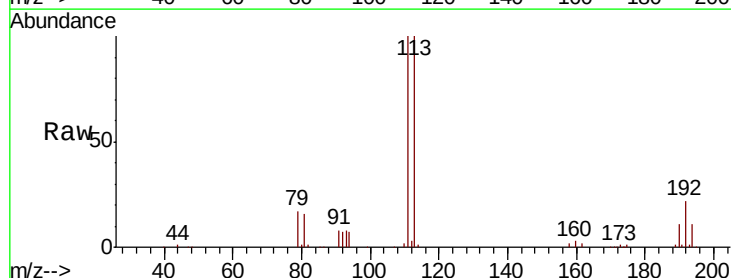


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

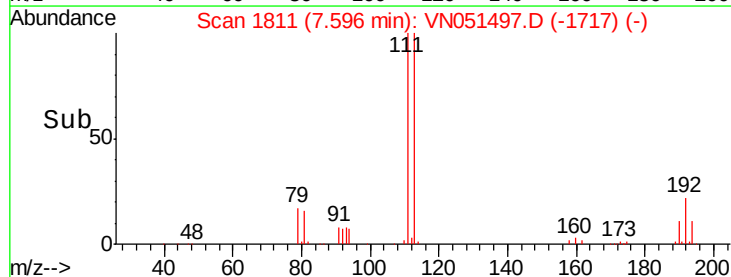
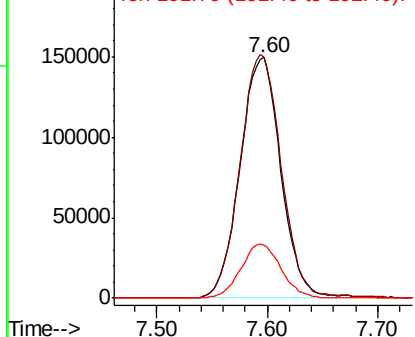


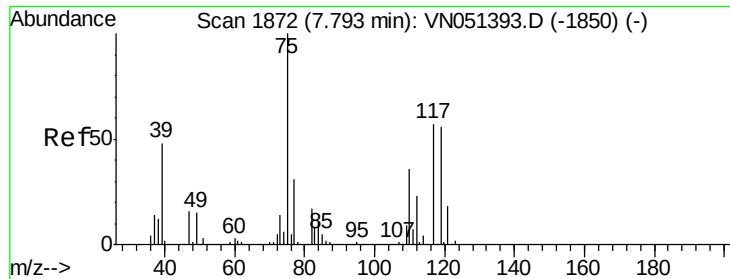
#35
 Dibromofluoromethane
 Concen: 49.623 ug/l
 RT: 7.60 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VN051497.D
 Acq: 25 Sep 2018 21:12

Tgt Ion:113 Resp: 382564
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.6 123.8
 192 22.1 18.0 27.0



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.936 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051497.D

Acq: 25 Sep 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

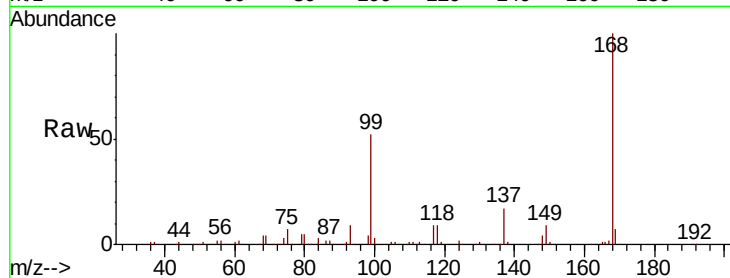
Tot Ion: 75 Resp: 43947

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.3#

77 0.0 25.6 38.4#



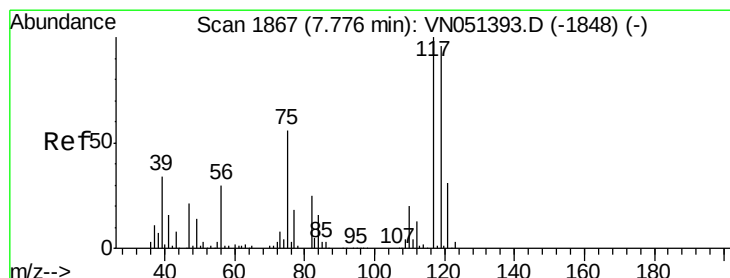
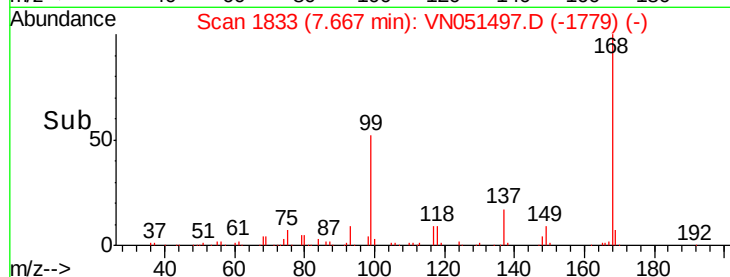
Abundance Ion 74.90 (74.60 to 75.60): VN051393.D (-1850) (-)

Ion 109.90 (109.60 to 110.60): VN051393.D (-1850) (-)

Ion 76.90 (76.60 to 77.60): VN051393.D (-1850) (-)

7.67

Time-->



#38

Carbon Tetrachloride

Concen: 4.794 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN051497.D

Acq: 25 Sep 2018 21:12

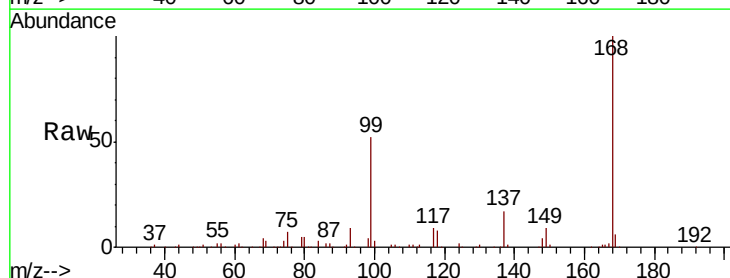
Tgt Ion: 117 Resp: 55977

Ion Ratio Lower Upper

117 100

119 5.5 76.9 115.3#

121 0.0 24.6 37.0#



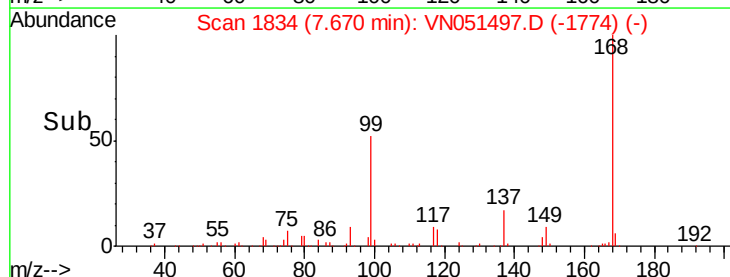
Abundance Ion 116.80 (116.50 to 117.50): VN051393.D (-1848) (-)

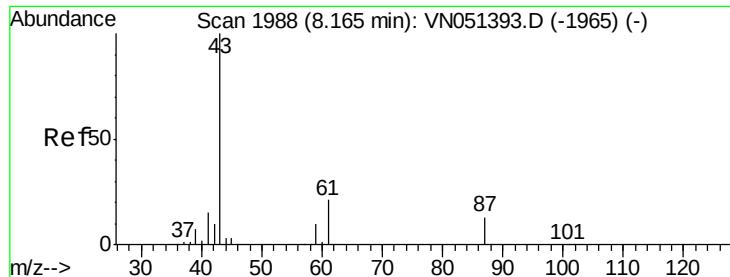
Ion 118.80 (118.50 to 119.50): VN051393.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN051393.D (-1848) (-)

7.67

Time-->





#43

Isopropyl Acetate

Concen: 1.828 ug/l

RT: 8.23 min Scan# 2009

Delta R.T. 0.07 min

Lab File: VN051497.D

Acq: 25 Sep 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

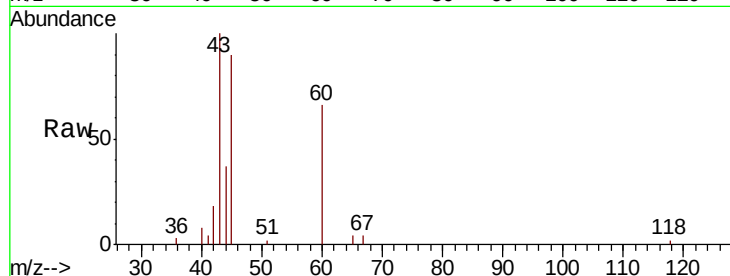
Tot Ion: 43 Resp: 21220

Ion Ratio Lower Upper

43 100

61 0.0 16.8 25.2#

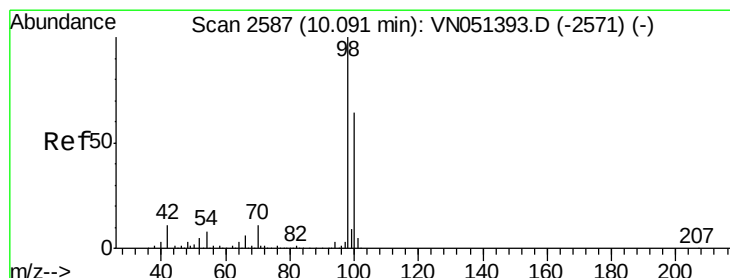
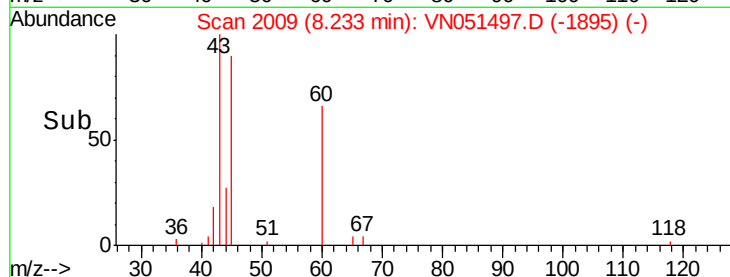
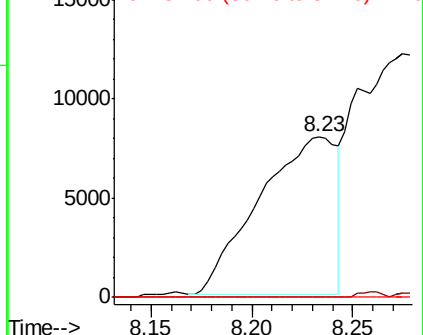
87 0.0 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 46.292 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051497.D

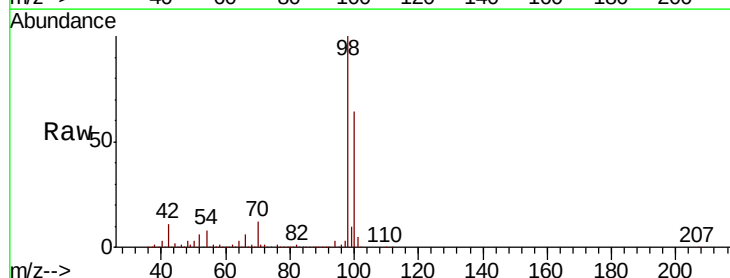
Acq: 25 Sep 2018 21:12

Tgt Ion: 98 Resp: 1343885

Ion Ratio Lower Upper

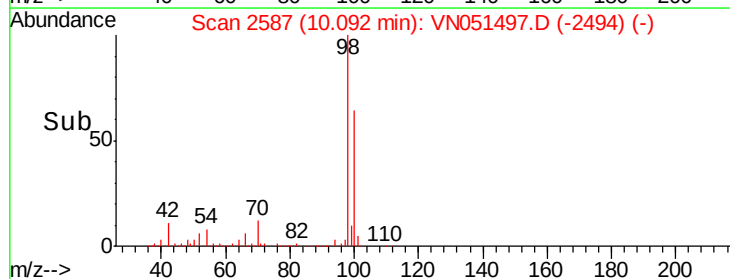
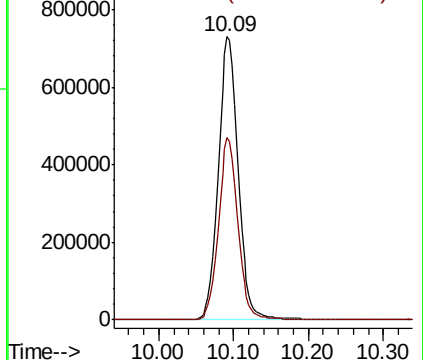
98 100

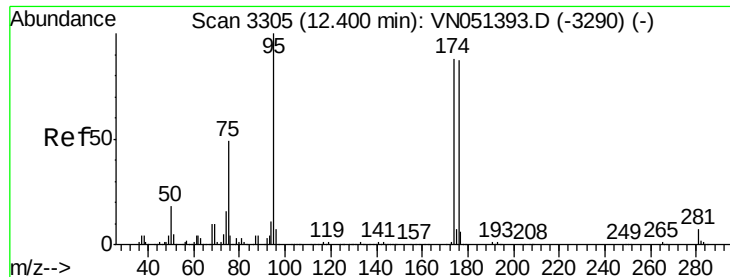
100 62.9 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 38.099 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051497.D

Acq: 25 Sep 2018 21:12

Instrument :

MSVOA_N

ClientSampled :

OILY-WATER

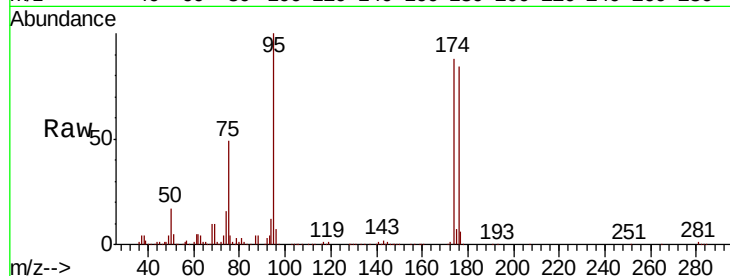
Tot Ion: 95 Resp: 357798

Ion Ratio Lower Upper

95 100

174 89.1 0.0 181.6

176 85.8 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) (-)

12.40

250000

200000

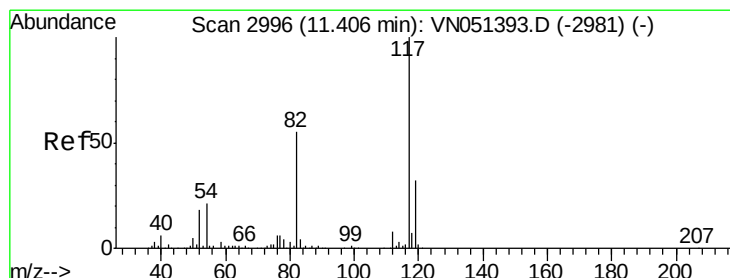
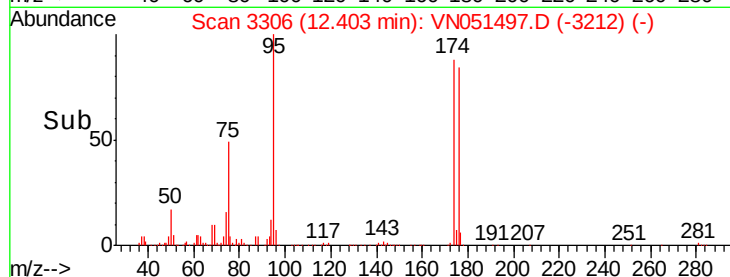
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051497.D

Acq: 25 Sep 2018 21:12

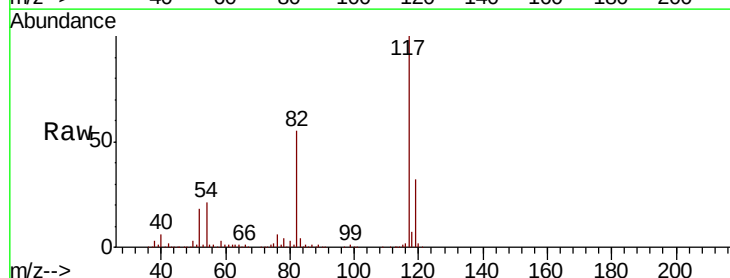
Tgt Ion: 117 Resp: 789776

Ion Ratio Lower Upper

117 100

82 54.6 44.2 66.2

119 32.1 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) (-)

11.41

600000

500000

400000

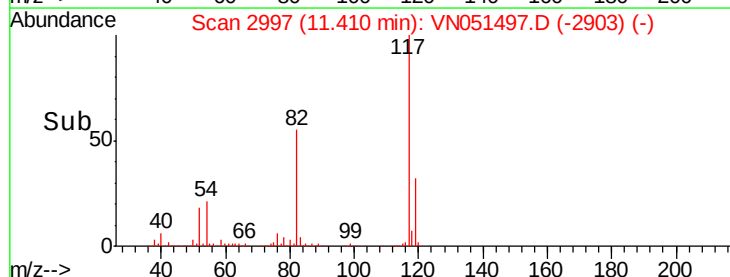
300000

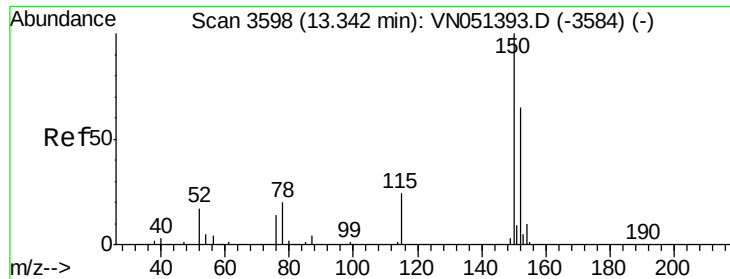
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051497.D

Acq: 25 Sep 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

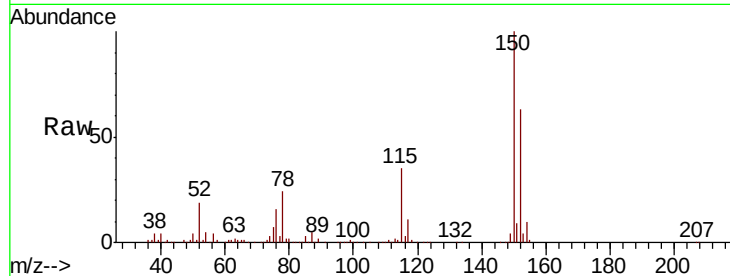
Tot Ion:152 Resp: 276691

Ion Ratio Lower Upper

152 100

115 56.7 28.3 84.9

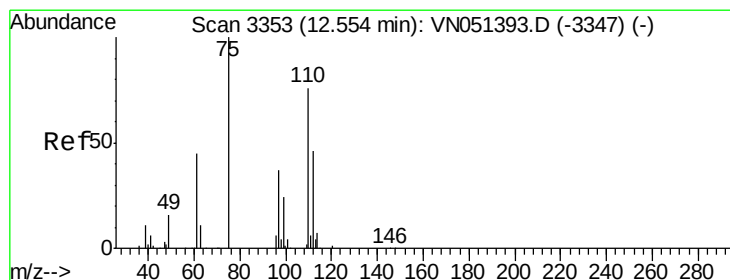
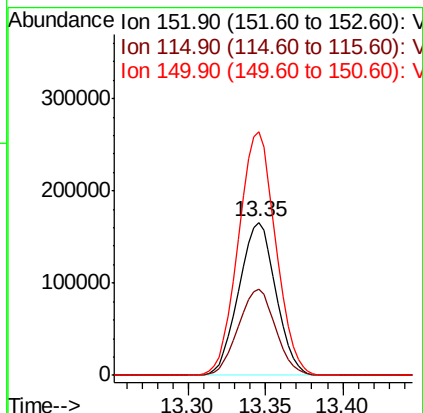
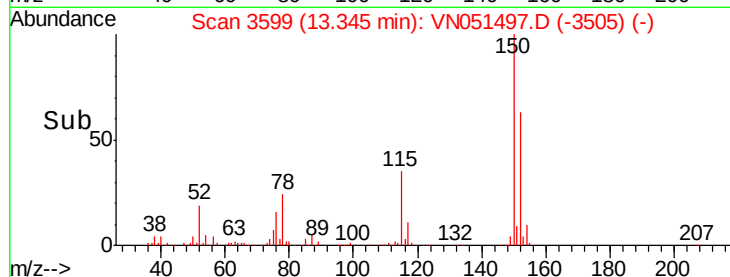
150 160.3 0.0 353.6



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: 37.957 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051497.D

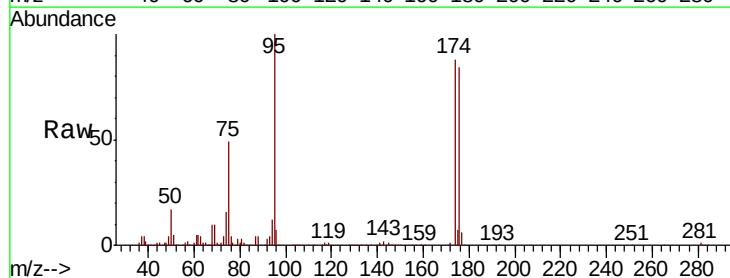
Acq: 25 Sep 2018 21:12

Tgt Ion: 75 Resp: 174345

Ion Ratio Lower Upper

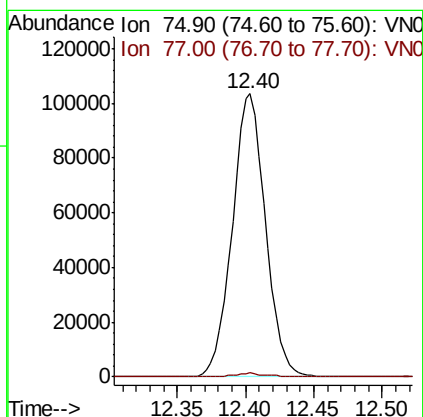
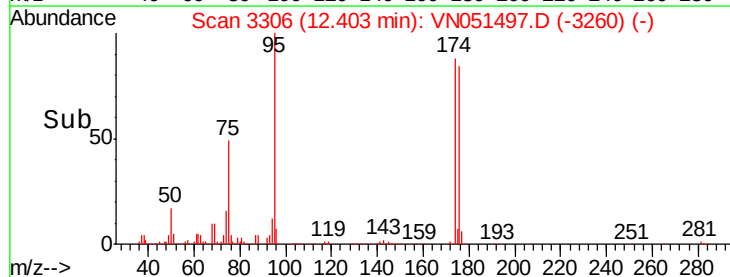
75 100

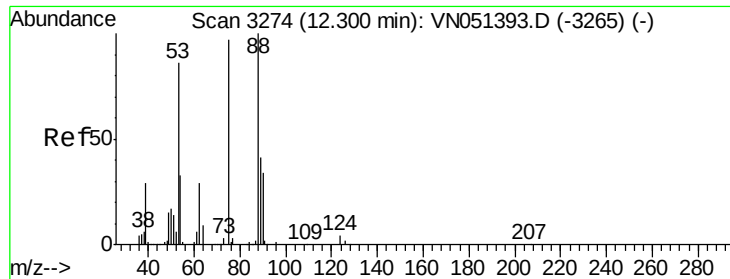
77 1.3 0.0 0.0#



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: 116.715 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051497.D

Acq: 25 Sep 2018 21:12

Instrument :

MSVOA_N

ClientSampled :

OILY-WATER

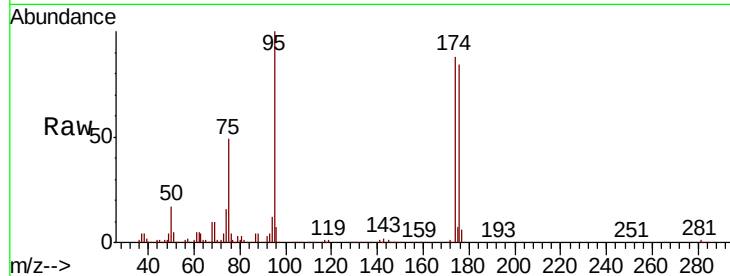
Tot Ion: 75 Resp: 174345

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

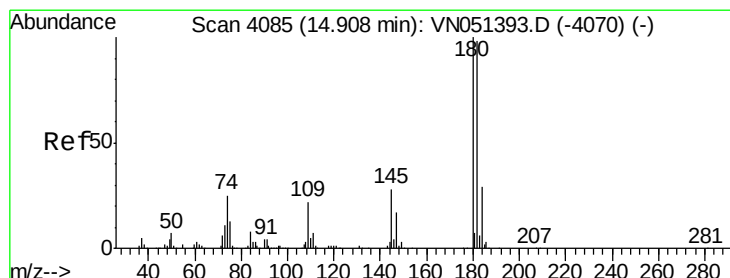
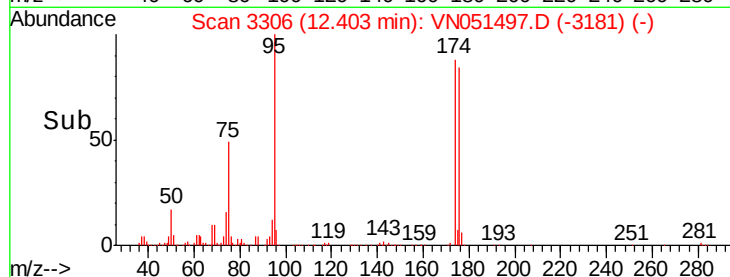
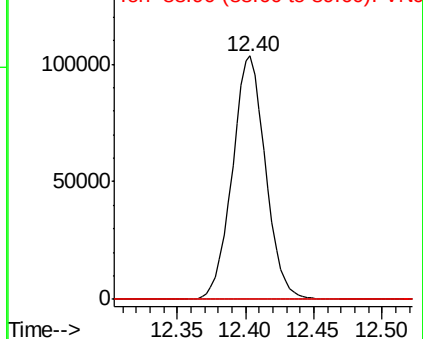
89 0.0 36.7 55.1#



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: 5.987 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN051497.D

Acq: 25 Sep 2018 21:12

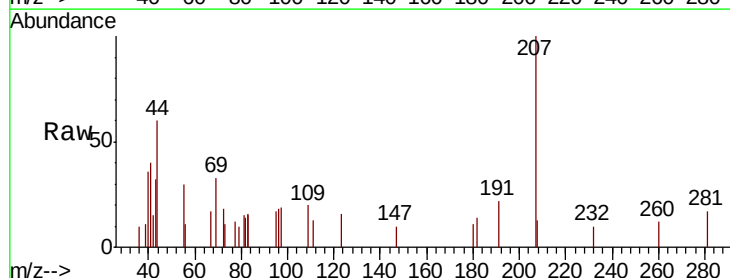
Tgt Ion:180 Resp: 33

Ion Ratio Lower Upper

180 100

182 603.0 48.5 145.6#

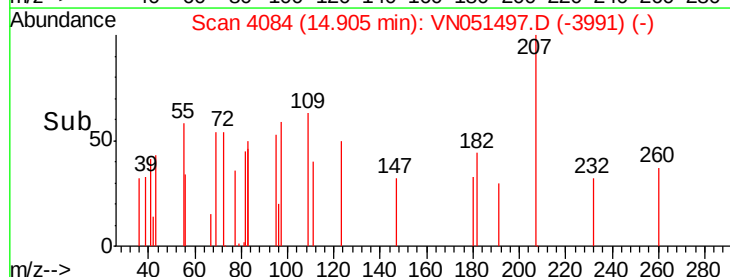
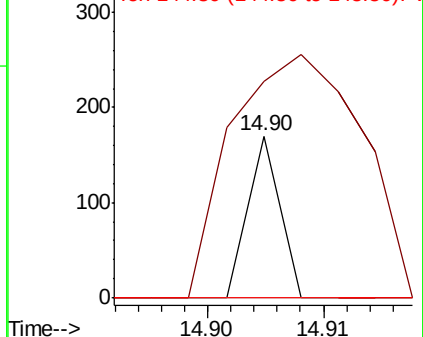
145 0.0 14.1 42.4#

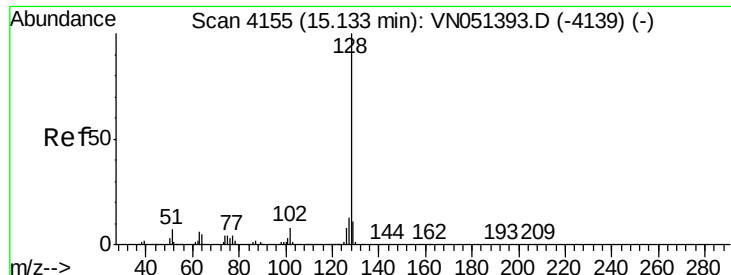


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 8.089 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051497.D

Acq: 25 Sep 2018 21:12

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

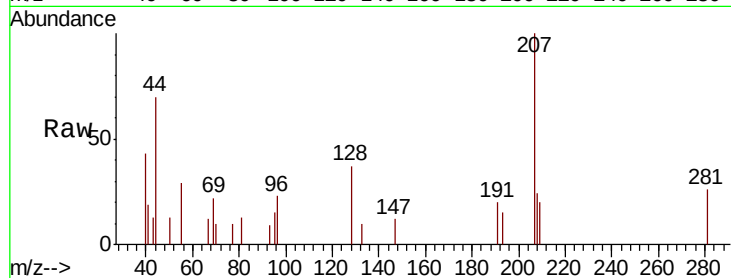
Tot Ion:128 Resp: 544

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

