

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120518\
 Data File : VX006304.D
 Acq On : 05 Dec 2018 16:51
 Operator : JC/MD
 Sample : J6243-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-WATER-B

Quant Time: Dec 06 00:17:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	801033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1213594	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1106304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	548929	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	402994	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
35) Dibromofluoromethane	5.51	113	384801	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	8.71	98	1424680	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	11.13	95	524304	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	

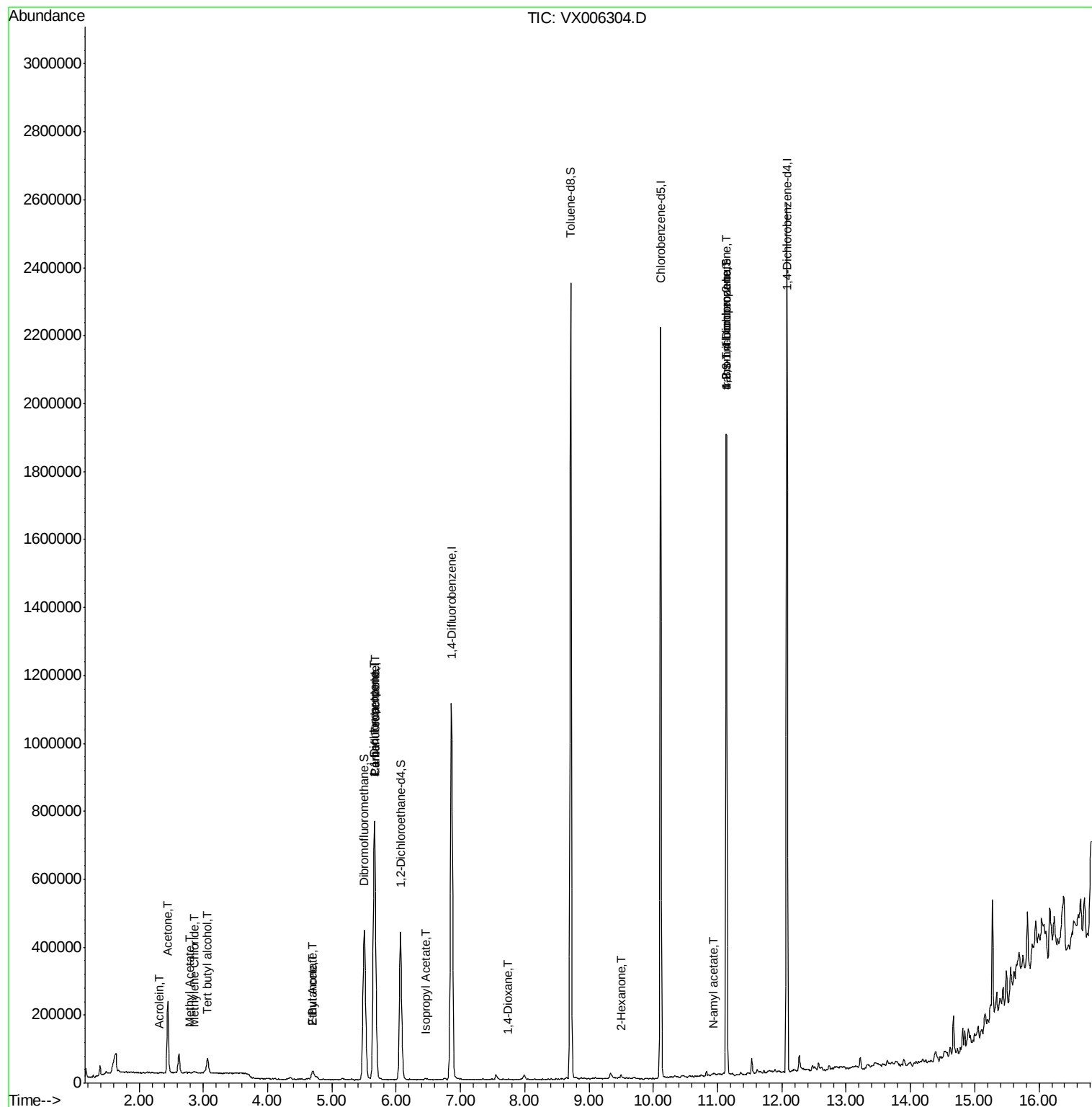
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	61106	27.325	ug/l	99
13) Acrolein	2.31	56	291	0.238	ug/l #	1
16) Acetone	2.45	43	224871	58.598	ug/l	96
18) Methyl Acetate	2.78	43	3778	0.294	ug/l	100
20) Methylene Chloride	2.85	84	2401	0.294	ug/l	85
25) 2-Butanone	4.70	43	46616	8.513	ug/l	98
36) 1,1-Dichloropropene	5.65	75	49912	4.884	ug/l #	48
37) Ethyl Acetate	4.70	43	46616	4.073	ug/l #	68
38) Carbon Tetrachloride	5.66	117	71697	5.963	ug/l #	16
43) Isopropyl Acetate	6.46	43	4233	0.222	ug/l	96
49) 1,4-Dioxane	7.73	88	53	0.232	ug/l #	1
59) 2-Hexanone	9.49	43	5832	0.687	ug/l	99
74) N-amyl acetate	10.94	43	3345	0.205	ug/l #	50
76) 1,2,3-Trichloropropane	11.13	75	239662	22.620	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	239662	53.082	ug/l #	15

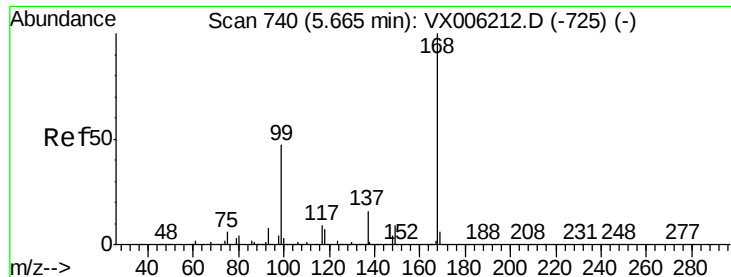
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006304.D

Acq: 05 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

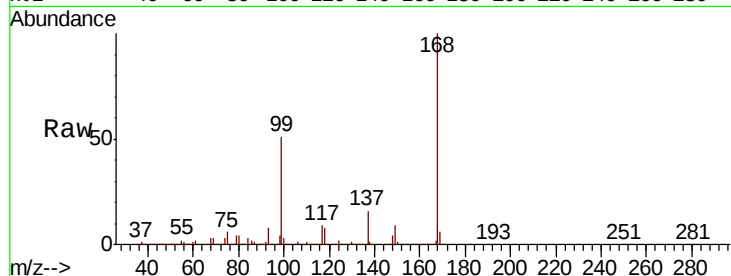
OILY-WATER-B

Tot Ion:168 Resp: 801033

Ion Ratio Lower Upper

168 100

99 51.3 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

300000

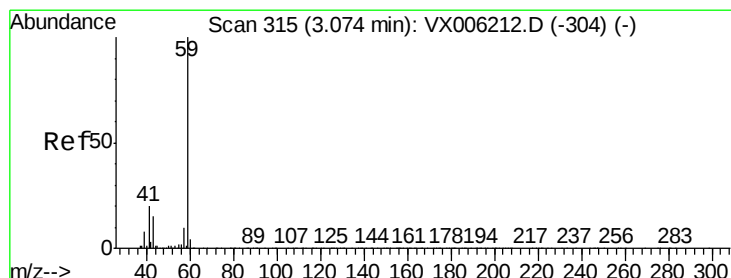
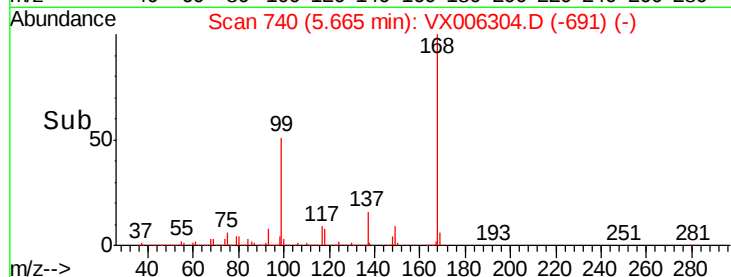
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 27.325 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX006304.D

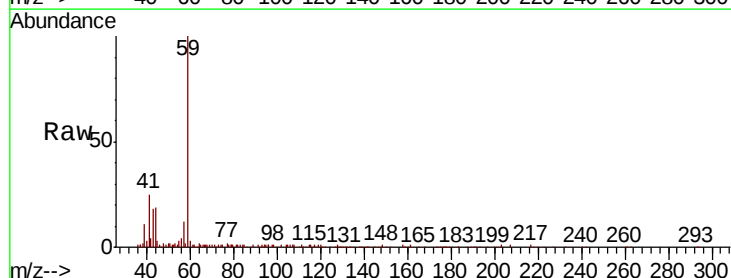
Acq: 05 Dec 2018 16:51

Tgt Ion: 59 Resp: 61106

Ion Ratio Lower Upper

59 100

57 10.7 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.06

25000

20000

15000

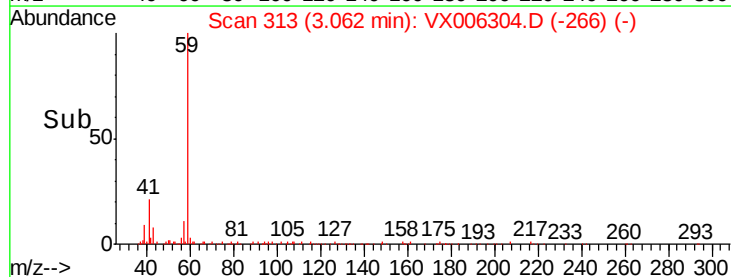
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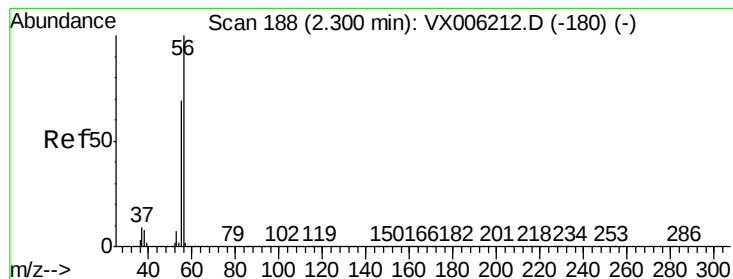
5000

0

Time-->

2.90 3.00 3.10 3.20





#13

Acrolein

Concen: 0.238 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX006304.D

Acq: 05 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

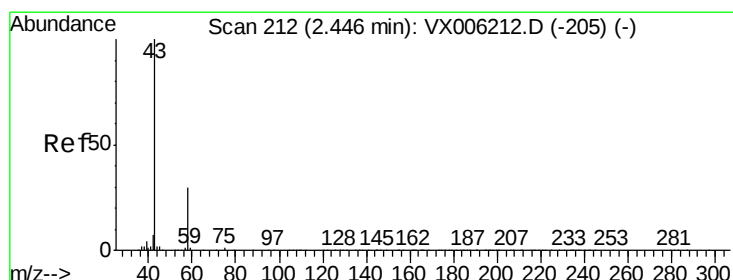
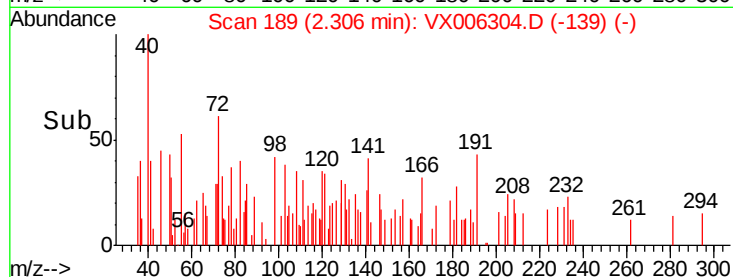
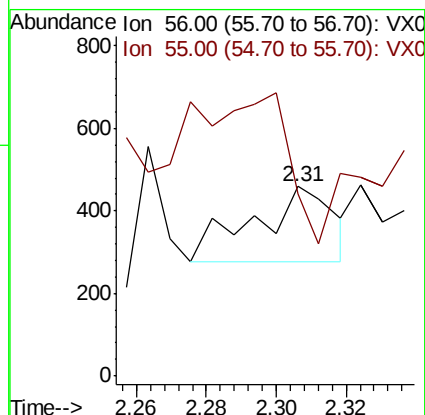
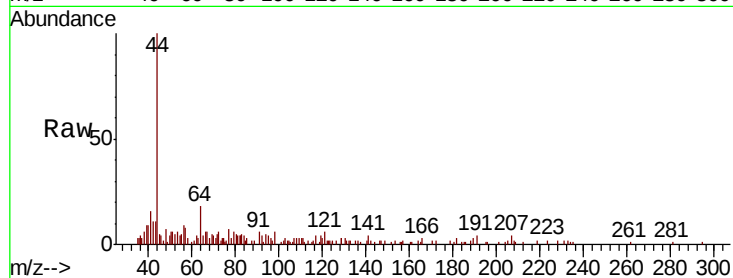
OILY-WATER-B

Tot Ion: 56 Resp: 291

Ion Ratio Lower Upper

56 100

55 249.1 57.8 86.6#



#16

Acetone

Concen: 58.598 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006304.D

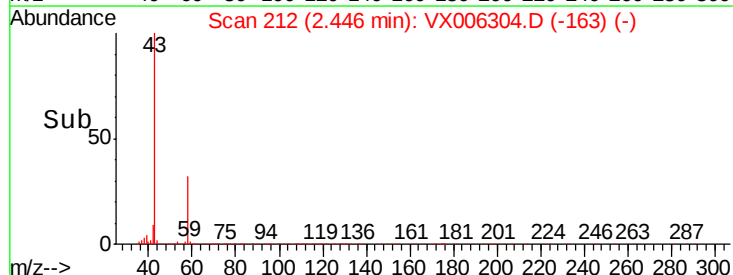
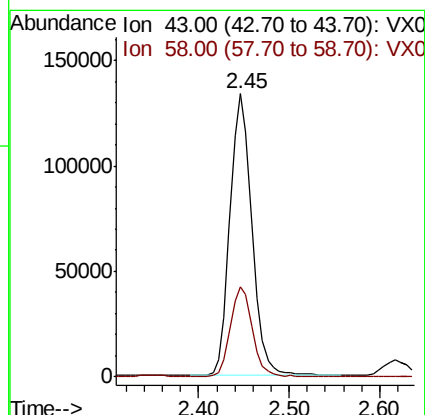
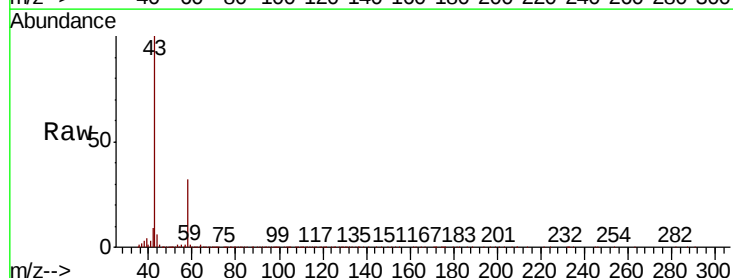
Acq: 05 Dec 2018 16:51

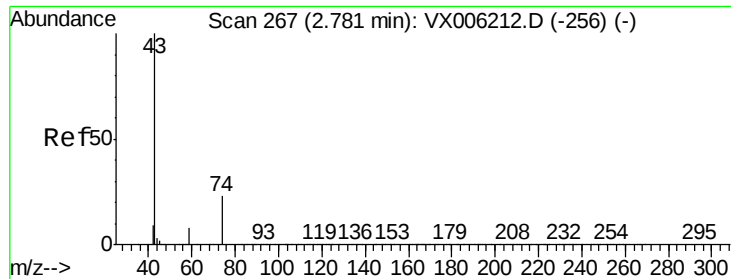
Tgt Ion: 43 Resp: 224871

Ion Ratio Lower Upper

43 100

58 32.1 24.0 36.0

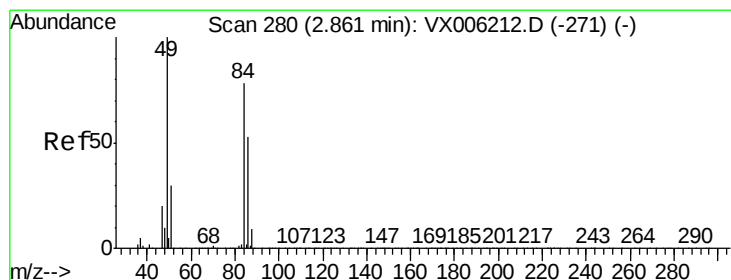
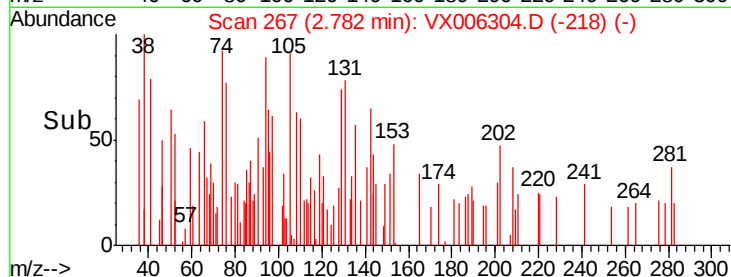
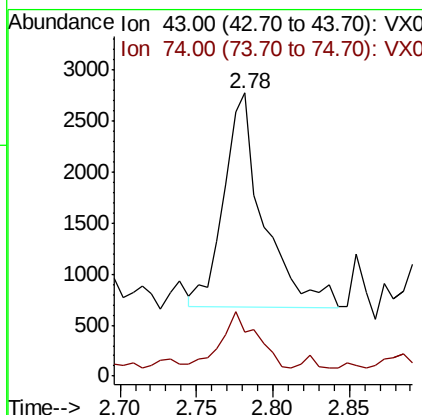
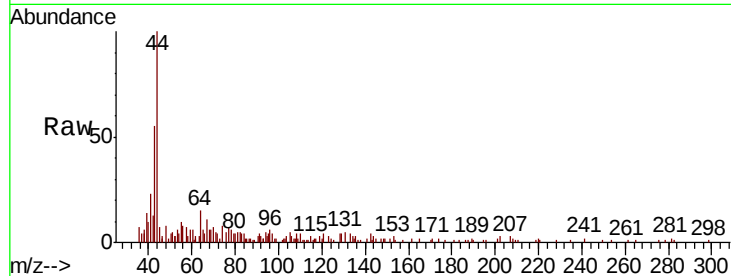




#18
Methyl Acetate
Concen: 0.294 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006304.D
Acq: 05 Dec 2018 16:51

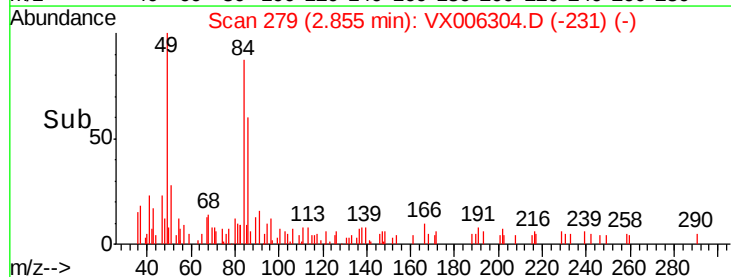
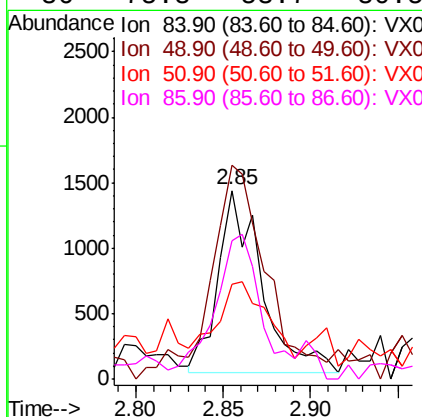
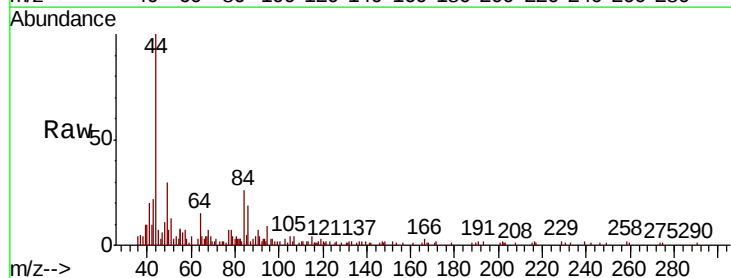
Instrument :
MSVOA_X
ClientSampled :
OILY-WATER-B

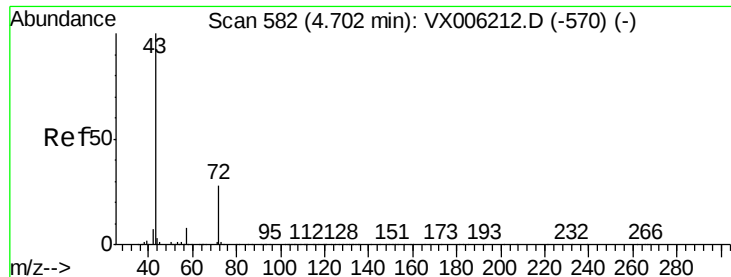
Tot Ion: 43 Resp: 3778
Ion Ratio Lower Upper
43 100
74 22.6 17.9 26.9



#20
Methylene Chloride
Concen: 0.294 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006304.D
Acq: 05 Dec 2018 16:51

Tgt Ion: 84 Resp: 2401
Ion Ratio Lower Upper
84 100
49 105.8 102.2 153.4
51 45.1 31.1 46.7
86 75.8 53.7 80.5





#25

2-Butanone

Concen: 8.513 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006304.D

Acq: 05 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

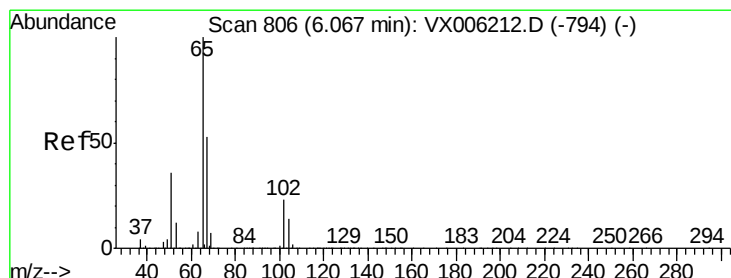
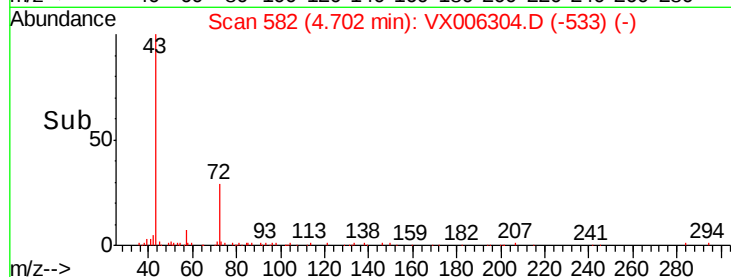
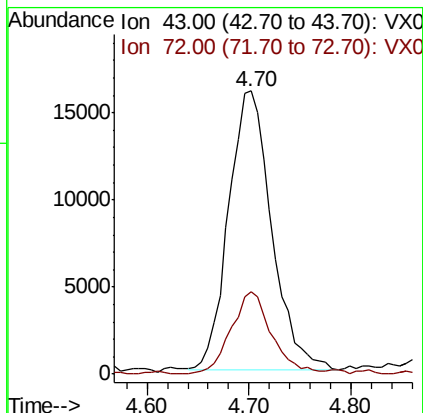
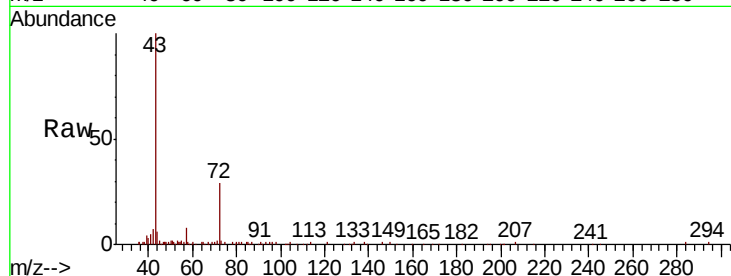
OILY-WATER-B

Tot Ion: 43 Resp: 46616

Ion Ratio Lower Upper

43 100

72 29.4 22.6 33.8



#33

1,2-Dichloroethane-d4

Concen: 49.282 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006304.D

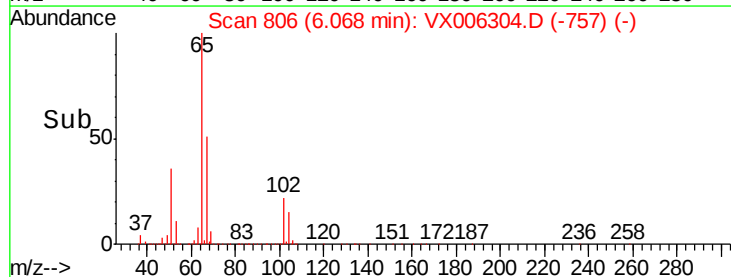
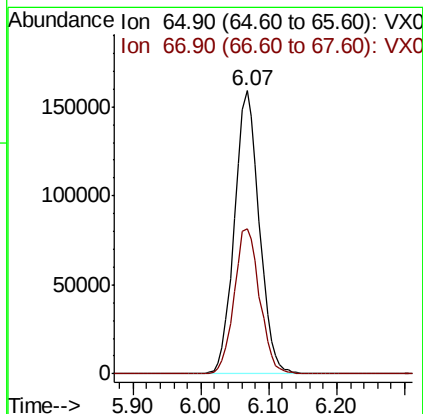
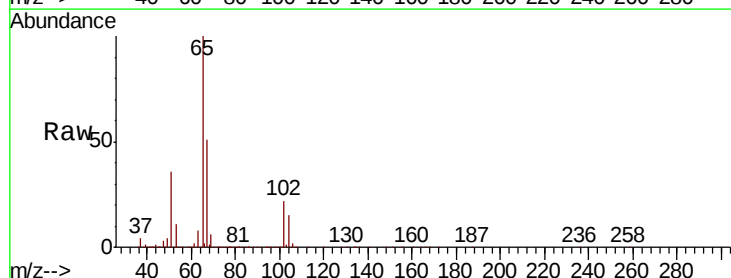
Acq: 05 Dec 2018 16:51

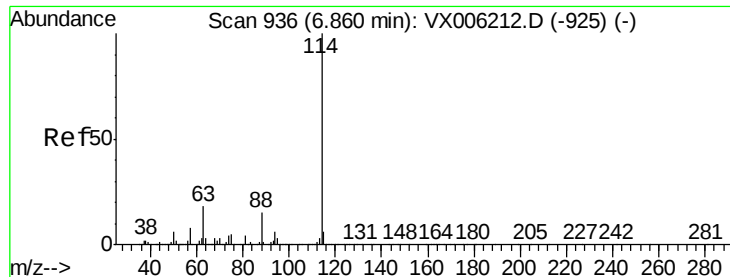
Tgt Ion: 65 Resp: 402994

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006304.D

Acq: 05 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER-B

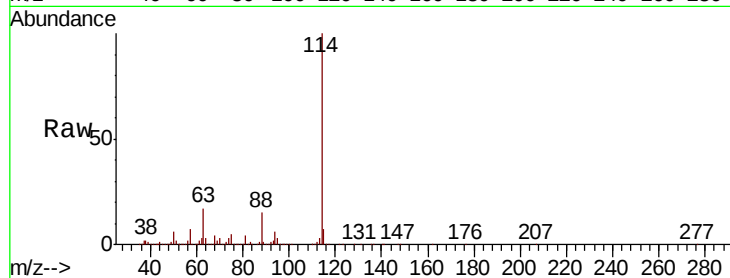
Tot Ion:114 Resp: 1213594

Ion Ratio Lower Upper

114 100

63 16.9 0.0 36.6

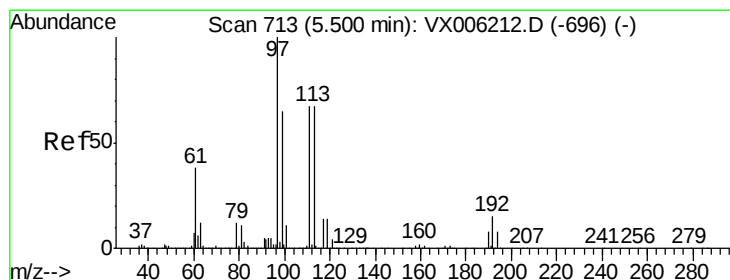
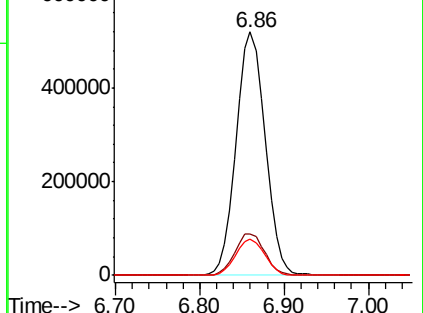
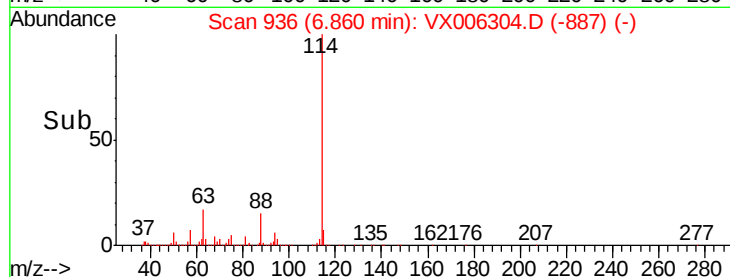
88 14.9 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.972 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006304.D

Acq: 05 Dec 2018 16:51

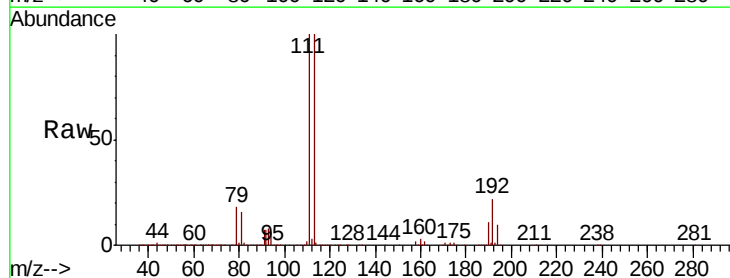
Tgt Ion:113 Resp: 384801

Ion Ratio Lower Upper

113 100

111 101.3 81.1 121.7

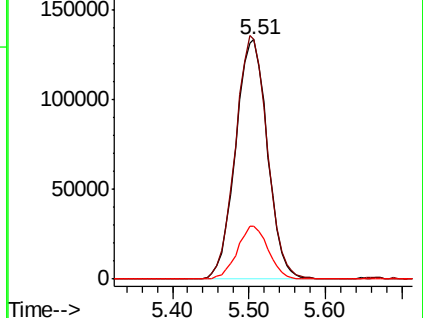
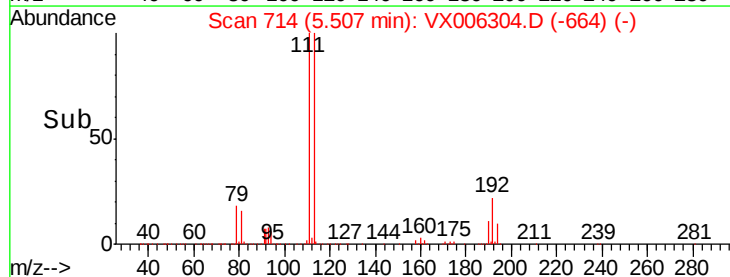
192 21.6 18.2 27.2

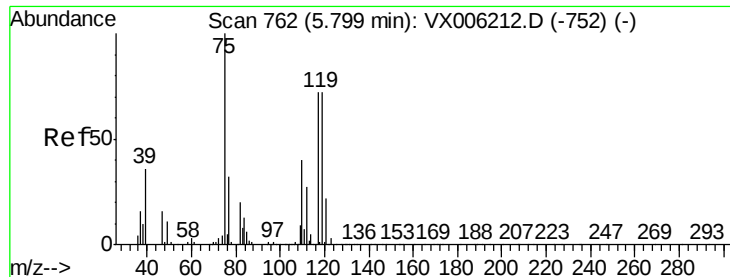


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.884 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX006304.D

Acq: 05 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER-B

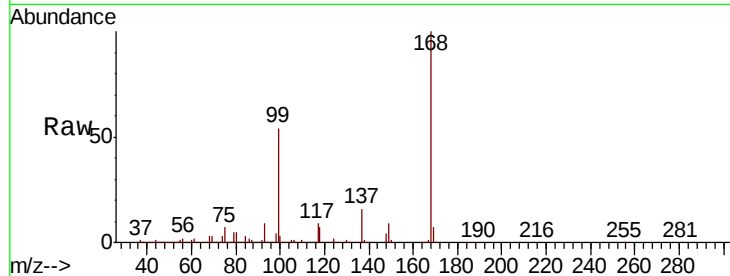
Tot Ion: 75 Resp: 49912

Ion Ratio Lower Upper

75 100

110 10.8 20.4 61.3#

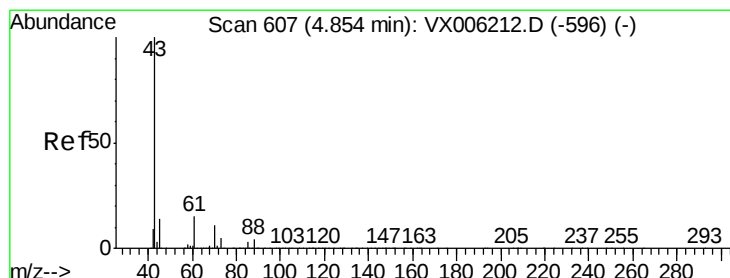
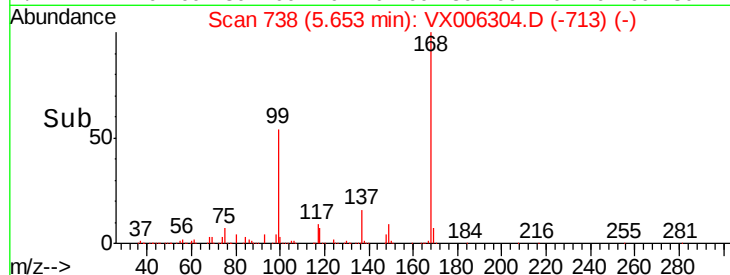
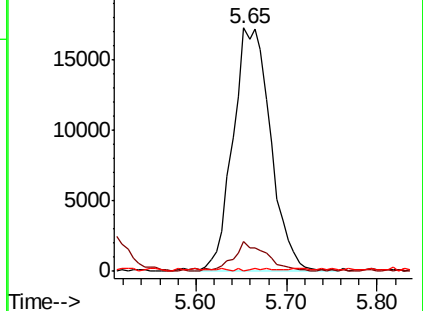
77 0.2 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 4.073 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.15 min

Lab File: VX006304.D

Acq: 05 Dec 2018 16:51

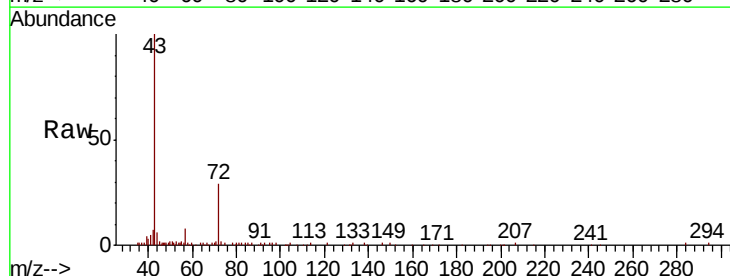
Tgt Ion: 43 Resp: 46616

Ion Ratio Lower Upper

43 100

61 0.6 11.5 17.3#

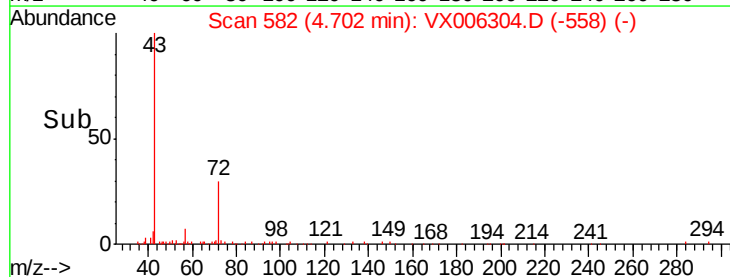
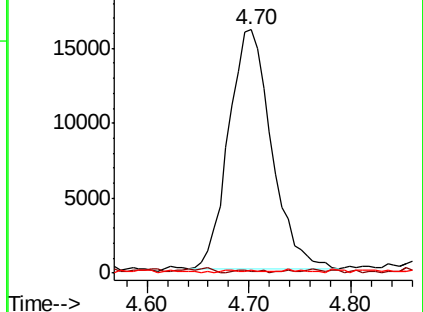
70 0.2 9.0 13.6#

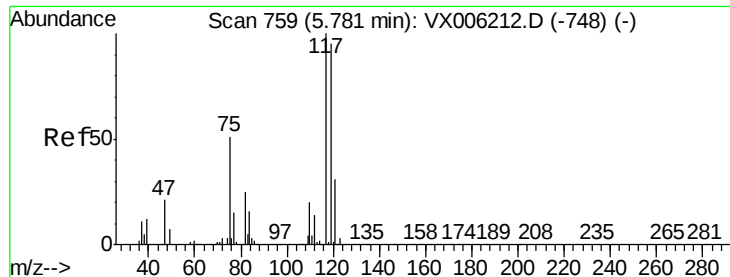


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 5.963 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006304.D

Acq: 05 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER-B

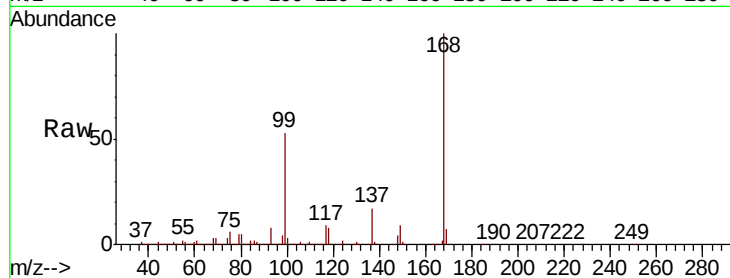
Tot Ion:117 Resp: 71697

Ion Ratio Lower Upper

117 100

119 4.3 75.8 113.8#

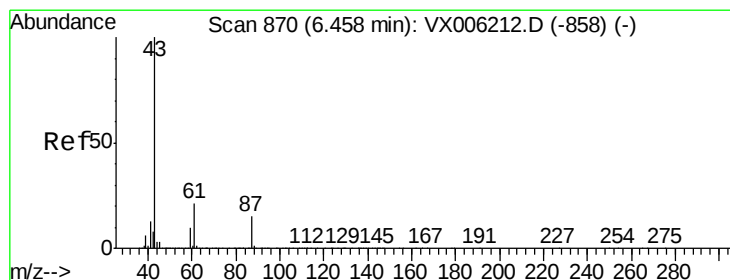
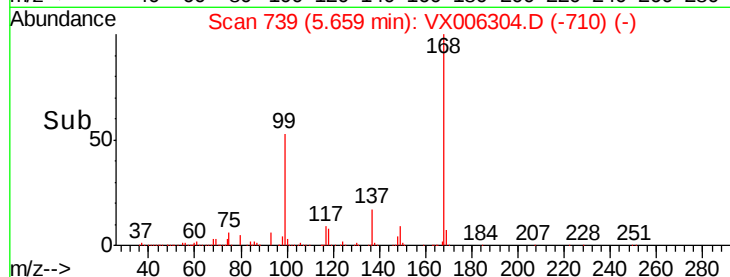
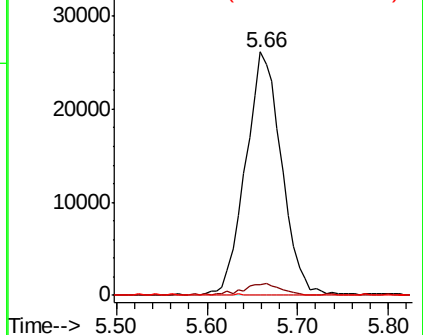
121 0.2 24.6 37.0#



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



#43

Isopropyl Acetate

Concen: 0.222 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006304.D

Acq: 05 Dec 2018 16:51

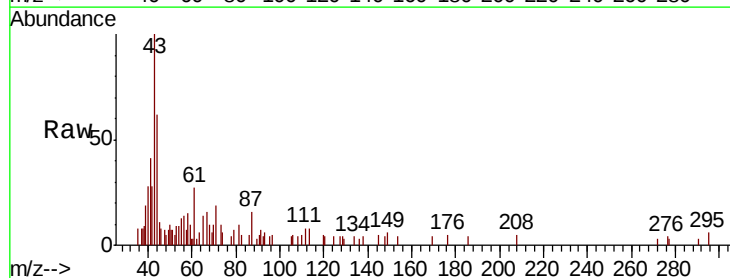
Tgt Ion: 43 Resp: 4233

Ion Ratio Lower Upper

43 100

61 17.7 16.8 25.2

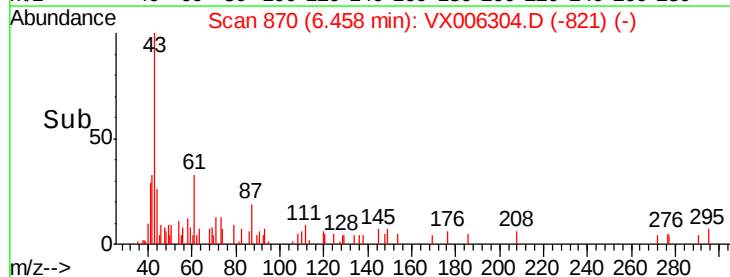
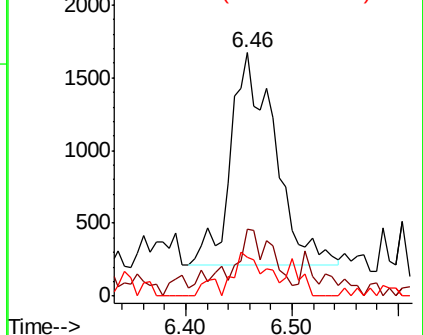
87 14.6 11.9 17.9

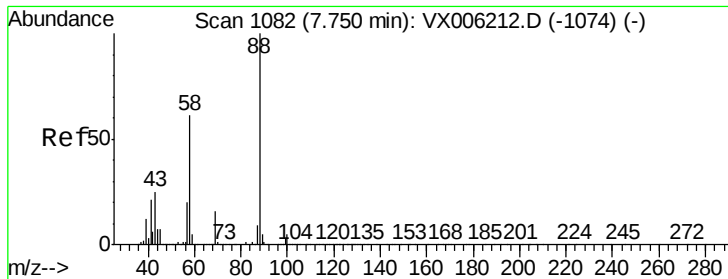


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#49

1,4-Dioxane

Concen: 0.232 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX006304.D

Acq: 05 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER-B

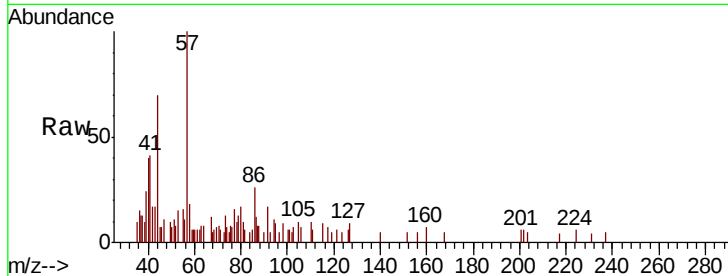
Tot Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

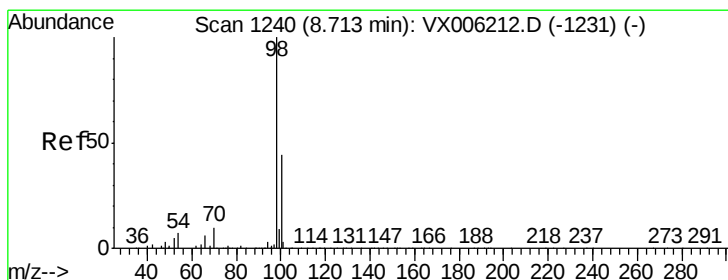
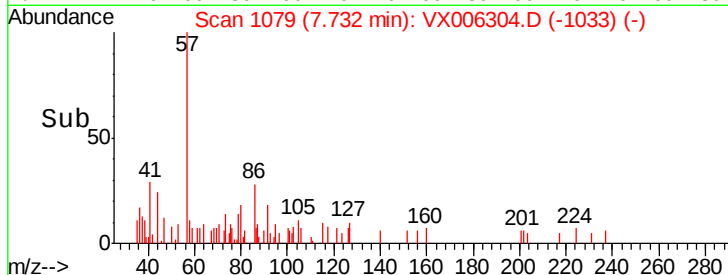
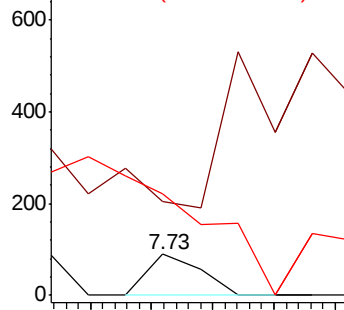
58 939.6 51.4 77.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.847 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006304.D

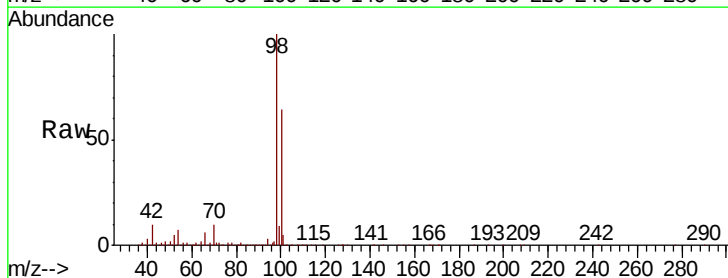
Acq: 05 Dec 2018 16:51

Tgt Ion: 98 Resp: 1424680

Ion Ratio Lower Upper

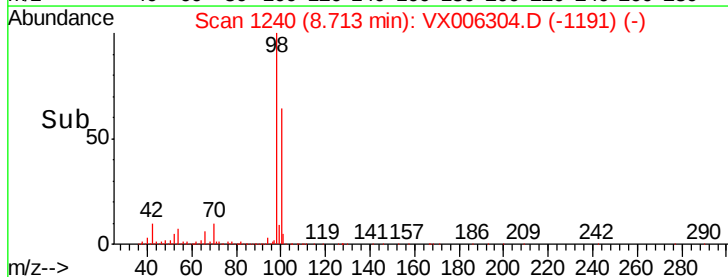
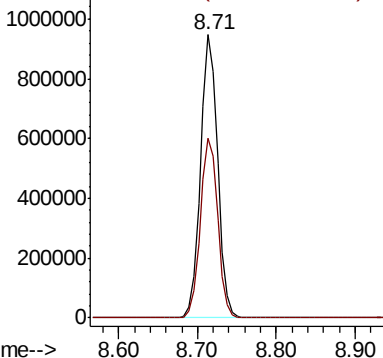
98 100

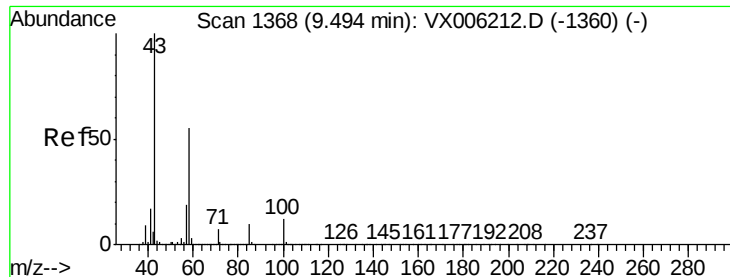
100 64.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

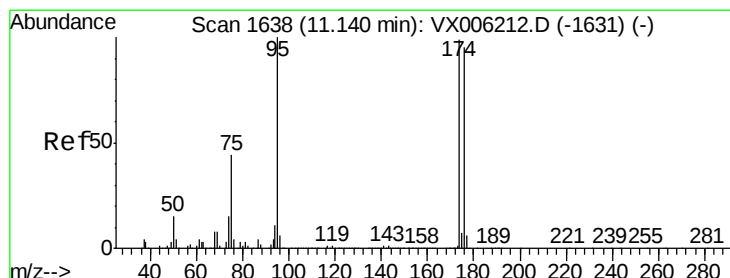
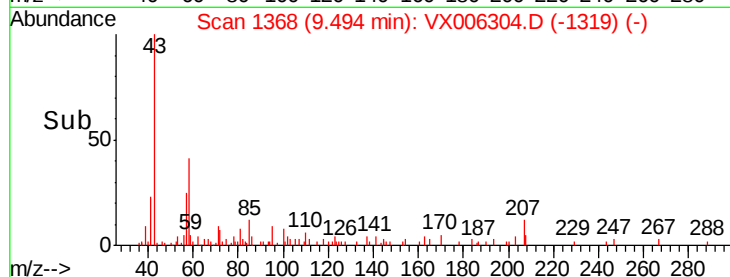
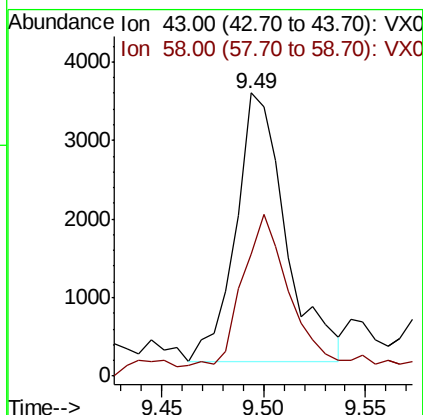
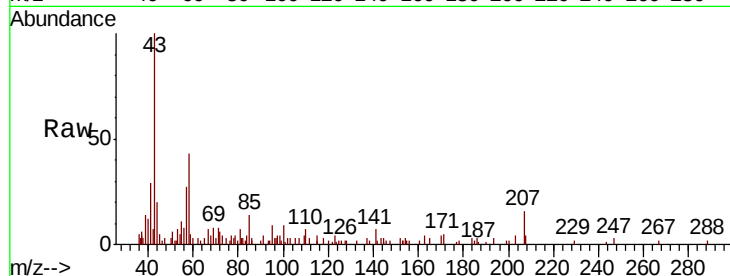




#59
2-Hexanone
Concen: 0.687 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006304.D
Acq: 05 Dec 2018 16:51

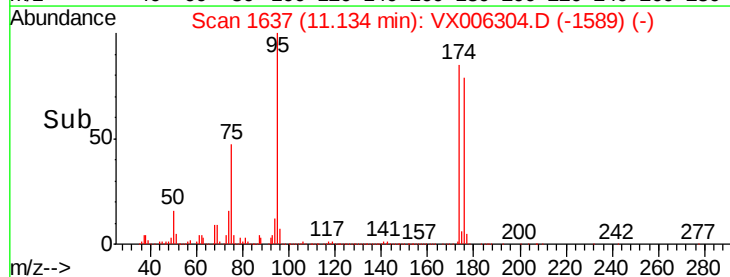
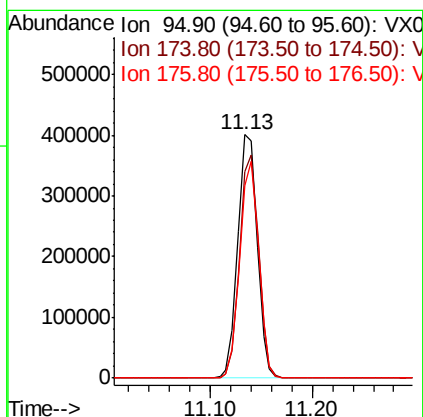
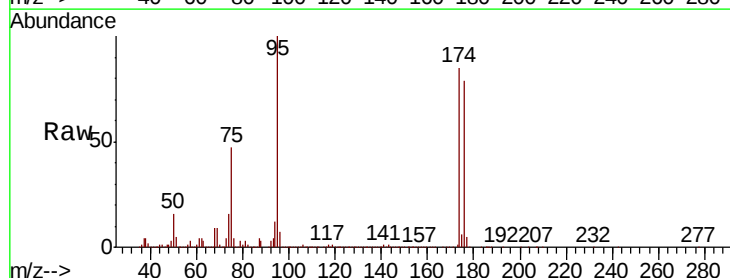
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER-B

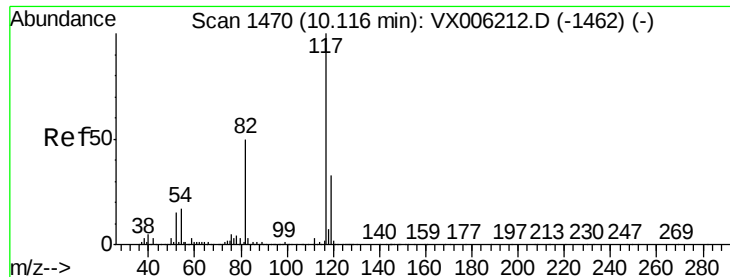
Tot Ion: 43 Resp: 5832
Ion Ratio Lower Upper
43 100
58 54.9 27.7 83.1



#62
4-Bromofluorobenzene
Concen: 48.681 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006304.D
Acq: 05 Dec 2018 16:51

Tgt Ion: 95 Resp: 524304
Ion Ratio Lower Upper
95 100
174 90.2 0.0 187.0
176 87.2 0.0 181.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006304.D

Acq: 05 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampled :

OILY-WATER-B

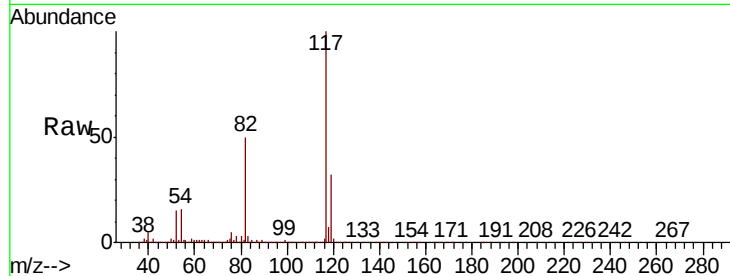
Tot Ion:117 Resp: 1106304

Ion Ratio Lower Upper

117 100

82 49.6 39.6 59.4

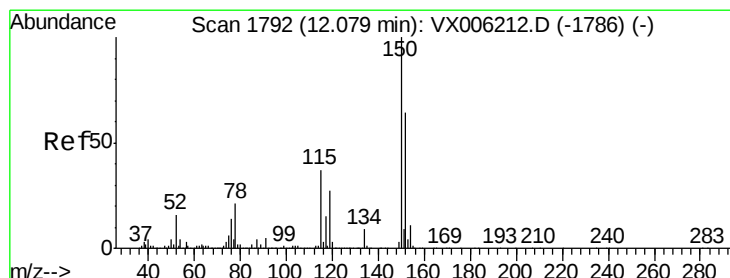
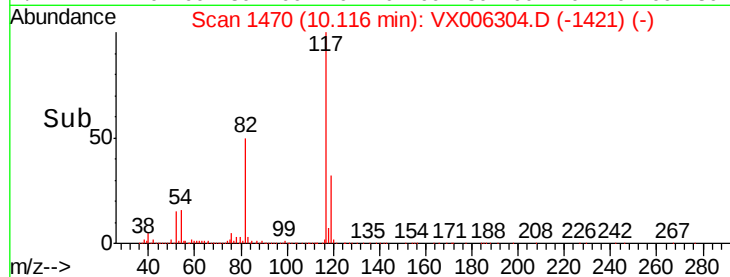
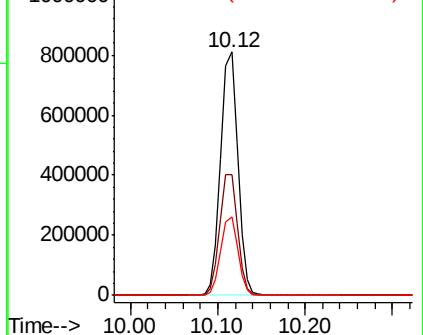
119 32.1 26.3 39.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006304.D

Acq: 05 Dec 2018 16:51

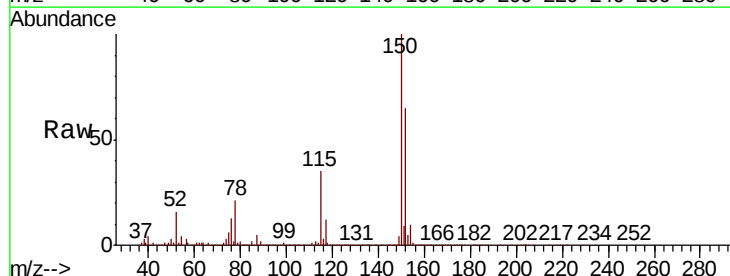
Tgt Ion:152 Resp: 548929

Ion Ratio Lower Upper

152 100

115 55.5 39.0 116.9

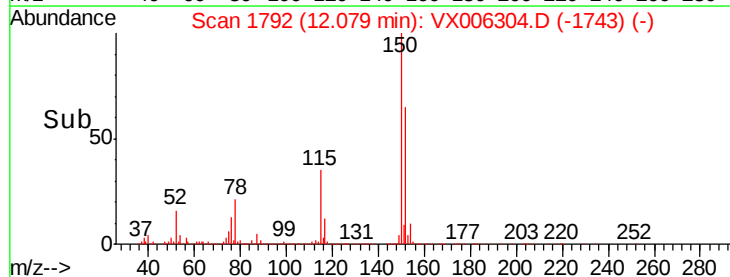
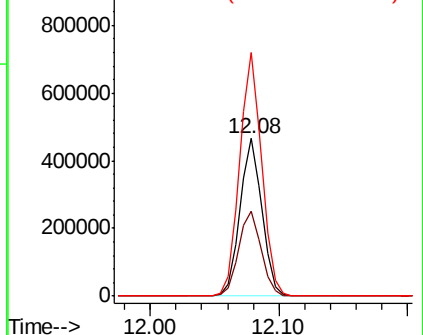
150 155.5 0.0 345.8

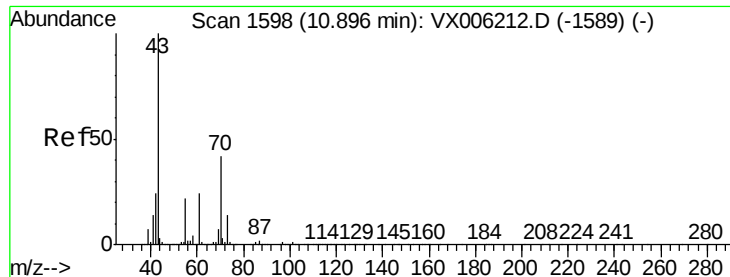


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.205 ug/l

RT: 10.94 min Scan# 1605

Delta R.T. 0.04 min

Lab File: VX006304.D

Acq: 05 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER-B

Tot Ion: 43 Resp: 3345

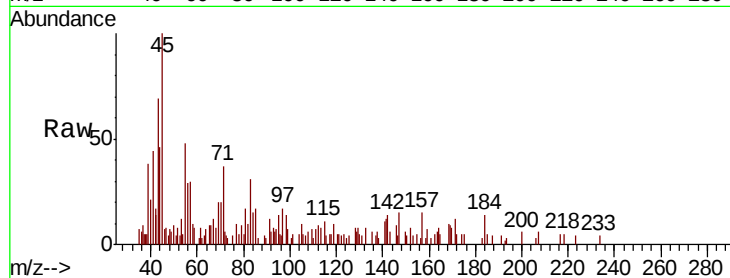
Ion Ratio Lower Upper

43 100

70 28.1 34.1 51.1#

55 71.7 17.8 26.8#

61 0.0 19.7 29.5#

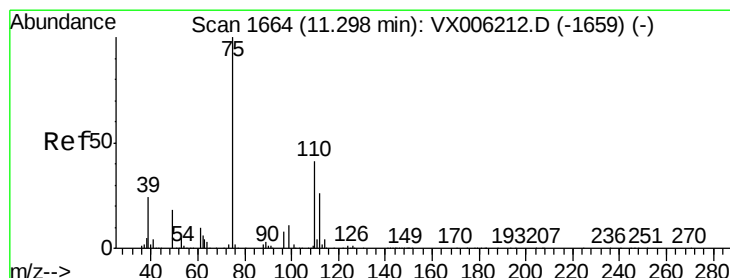
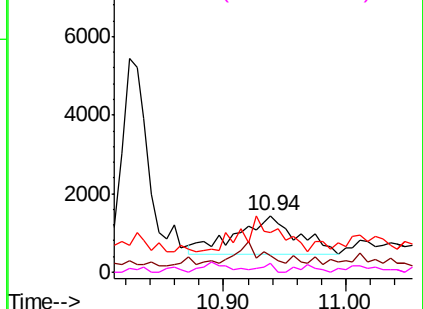
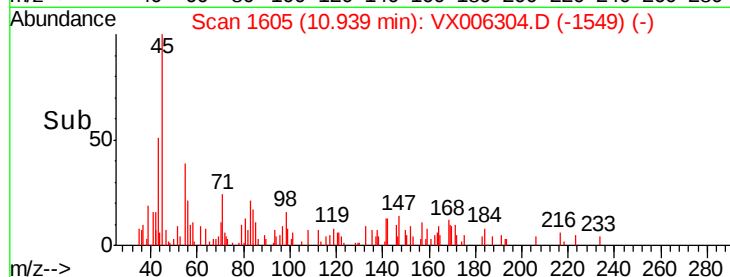


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.620 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006304.D

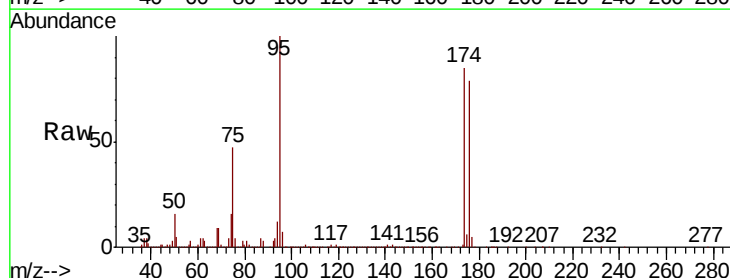
Acq: 05 Dec 2018 16:51

Tgt Ion: 75 Resp: 239662

Ion Ratio Lower Upper

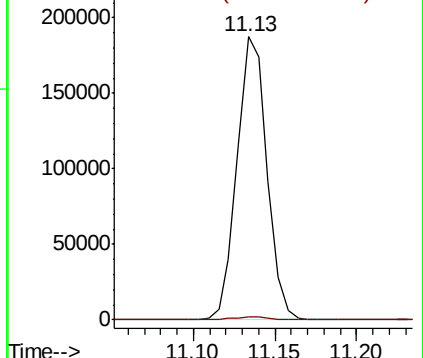
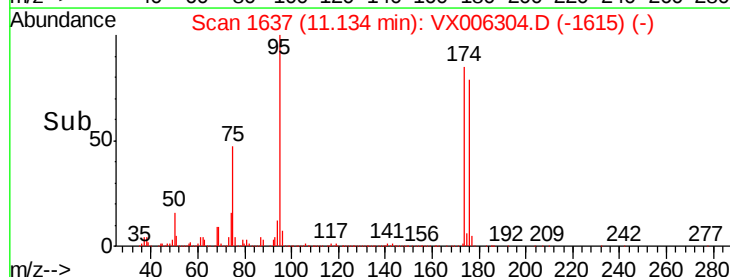
75 100

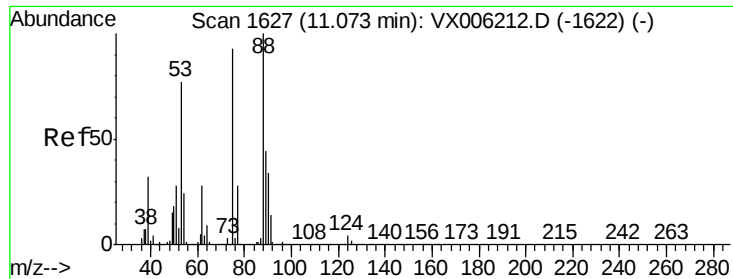
77 1.3 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.082 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006304.D

Acq: 05 Dec 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER-B

Tot Ion: 75 Resp: 239662

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 44.2 66.4#

