

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120518\
 Data File : VX006303.D
 Acq On : 05 Dec 2018 16:24
 Operator : JC/MD
 Sample : J6243-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-WATER-A

Quant Time: Dec 06 00:17:36 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	817170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1243508	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1136332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	558688	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	409979	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
35) Dibromofluoromethane	5.50	113	390995	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	8.71	98	1444551	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	11.13	95	542471	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	

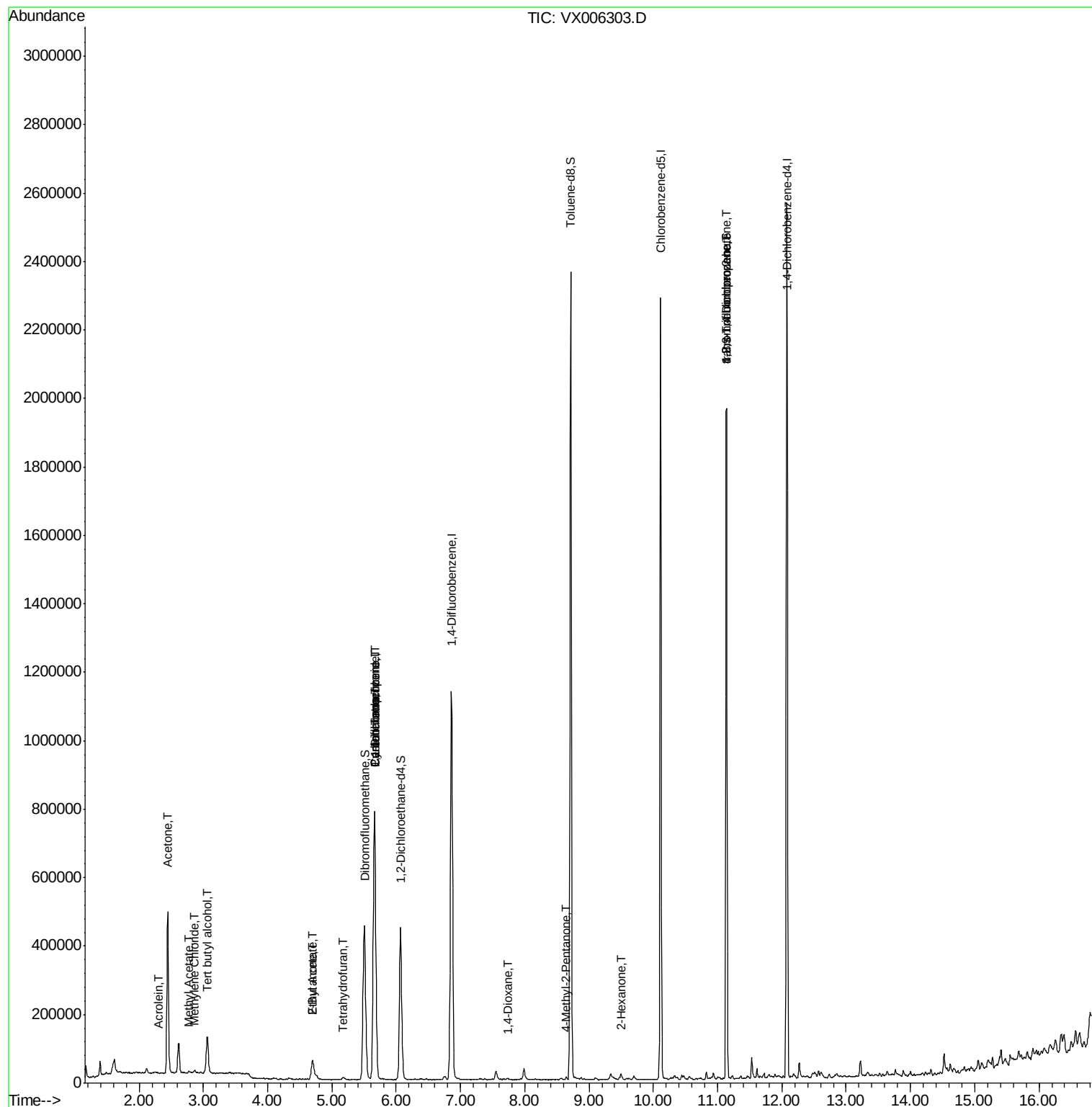
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	143696	62.987	ug/l	99
13) Acrolein	2.30	56	539	0.432	ug/l #	51
16) Acetone	2.45	43	500076	127.738	ug/l	98
18) Methyl Acetate	2.78	43	4942	0.377	ug/l #	84
20) Methylene Chloride	2.86	84	3733	0.448	ug/l #	83
25) 2-Butanone	4.70	43	101860	18.235	ug/l	95
29) Tetrahydrofuran	5.17	42	1932	0.498	ug/l #	58
31) Cyclohexane	5.66	56	12953	1.075	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	50125	4.787	ug/l #	39
37) Ethyl Acetate	4.70	43	101860	8.686	ug/l #	67
38) Carbon Tetrachloride	5.67	117	73430	5.961	ug/l #	16
49) 1,4-Dioxane	7.75	88	68	0.290	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	4649	0.408	ug/l #	86
59) 2-Hexanone	9.50	43	9306	1.070	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	245968	22.809	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	245968	53.528	ug/l #	15

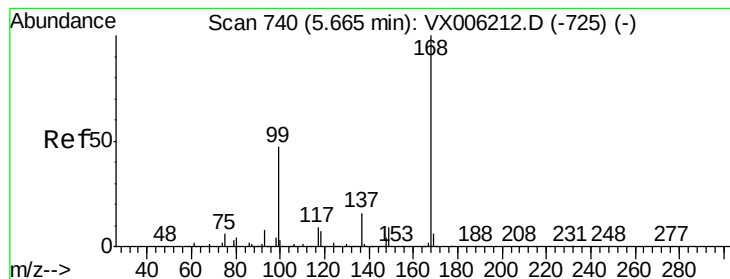
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006303.D

Acq: 05 Dec 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

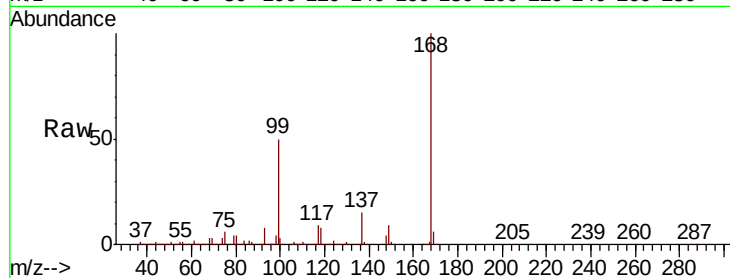
OILY-WATER-A

Tot Ion:168 Resp: 817170

Ion Ratio Lower Upper

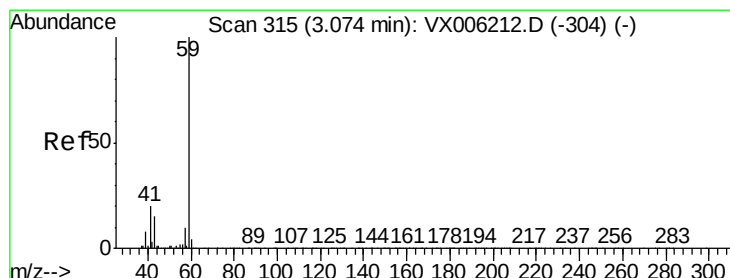
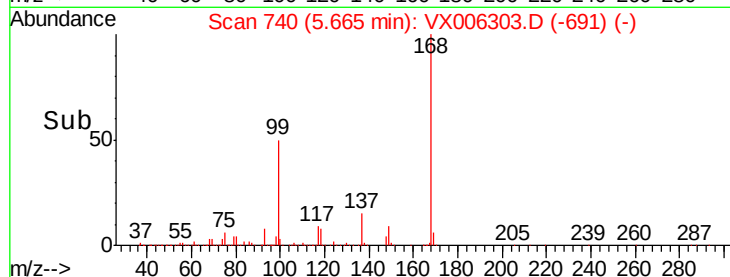
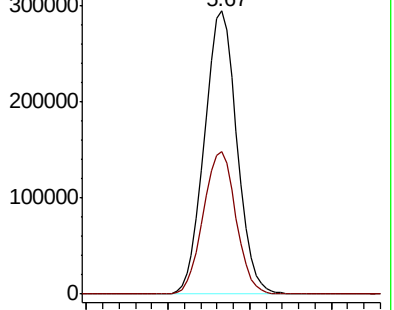
168 100

99 50.4 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 62.987 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX006303.D

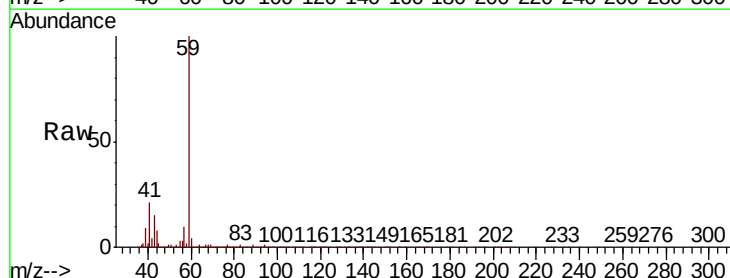
Acq: 05 Dec 2018 16:24

Tgt Ion: 59 Resp: 143696

Ion Ratio Lower Upper

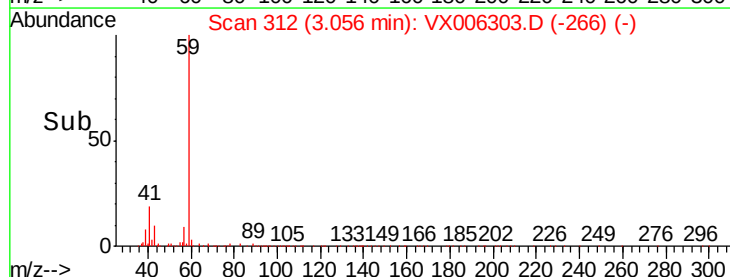
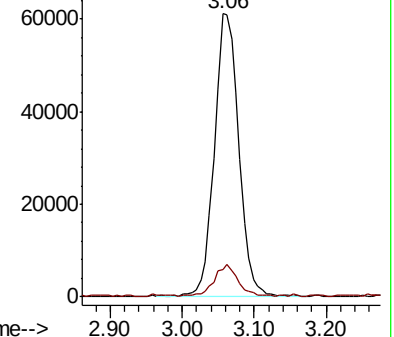
59 100

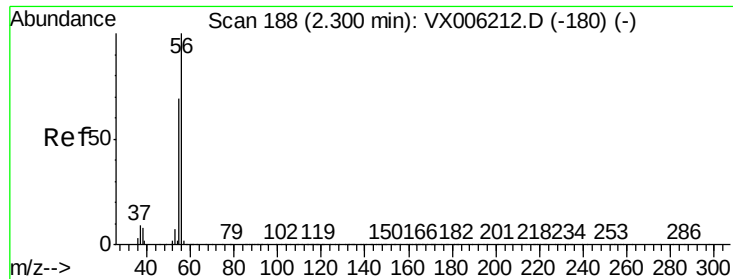
57 10.5 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.432 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX006303.D

Acq: 05 Dec 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

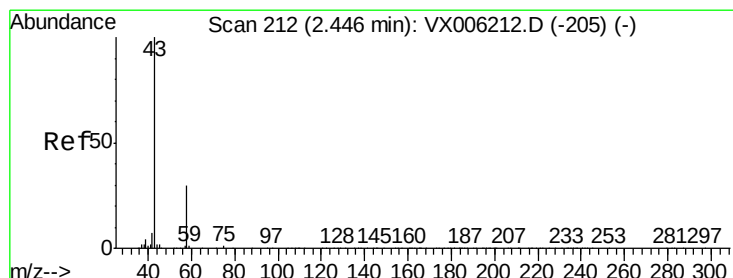
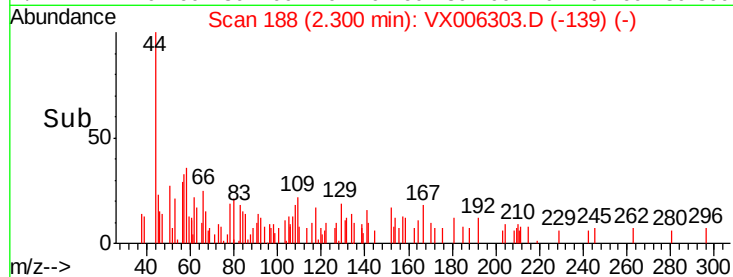
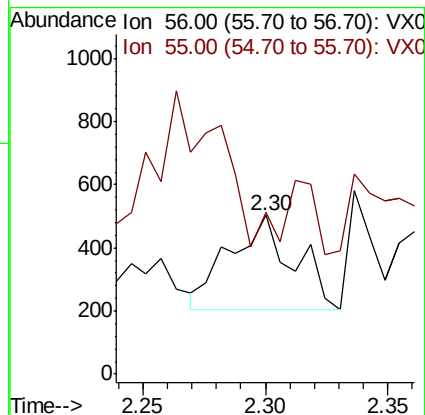
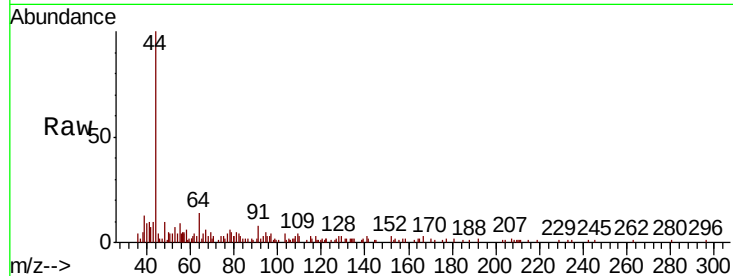
OILY-WATER-A

Tot Ion: 56 Resp: 539

Ion Ratio Lower Upper

56 100

55 31.2 57.8 86.6#



#16

Acetone

Concen: 127.738 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006303.D

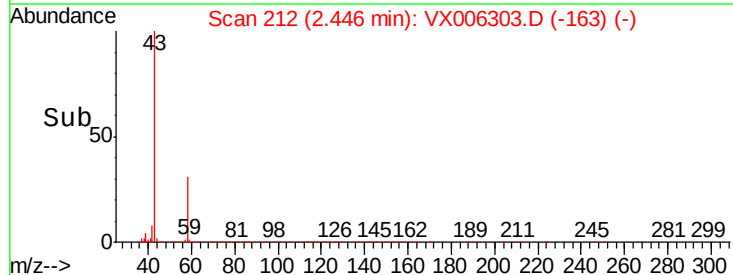
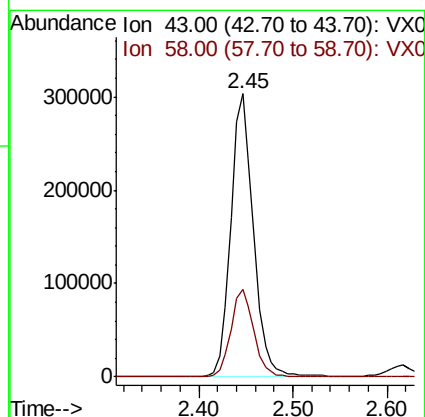
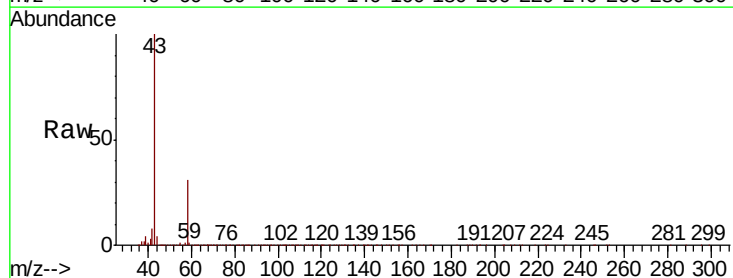
Acq: 05 Dec 2018 16:24

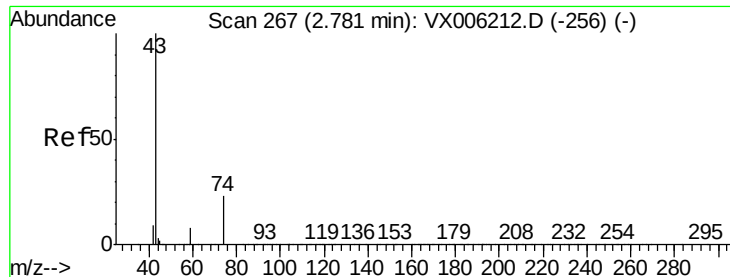
Tgt Ion: 43 Resp: 500076

Ion Ratio Lower Upper

43 100

58 31.0 24.0 36.0

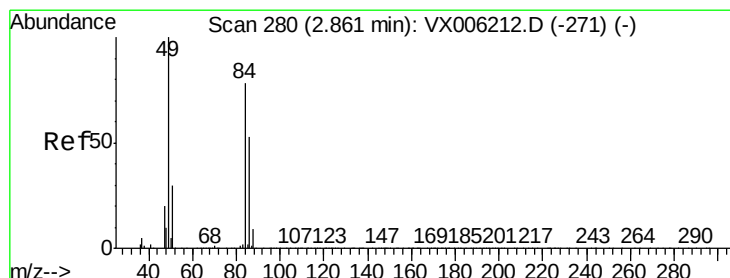
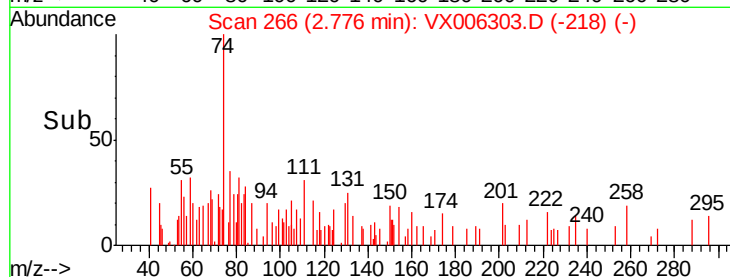
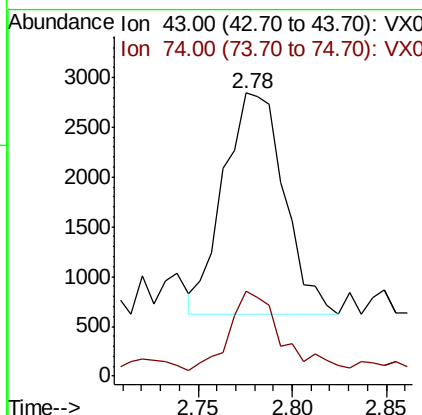
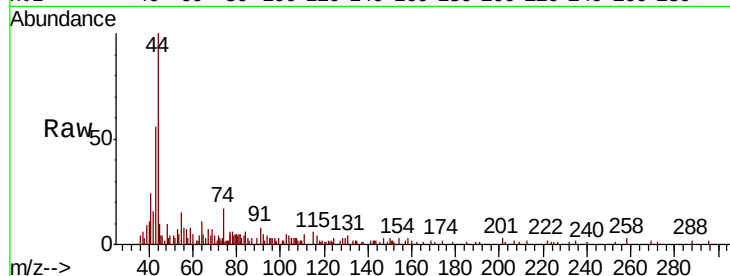




#18
Methyl Acetate
Concen: 0.377 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006303.D
Acq: 05 Dec 2018 16:24

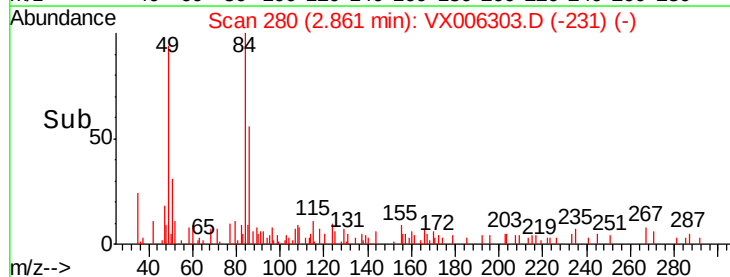
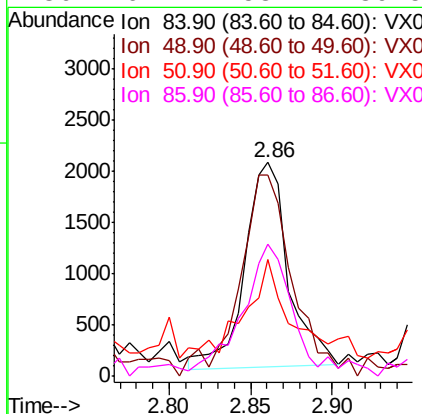
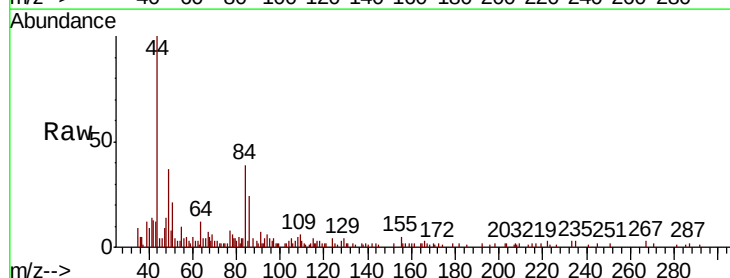
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER-A

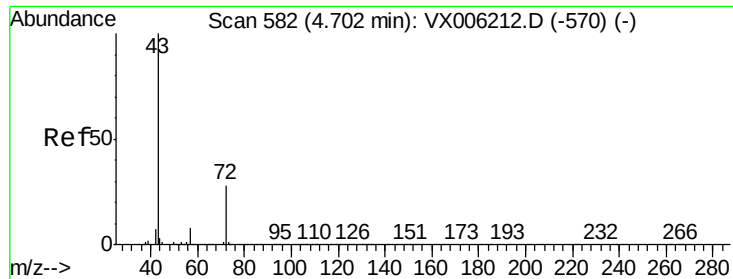
Tot Ion: 43 Resp: 4942
Ion Ratio Lower Upper
43 100
74 29.9 17.9 26.9#



#20
Methylene Chloride
Concen: 0.448 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006303.D
Acq: 05 Dec 2018 16:24

Tgt Ion: 84 Resp: 3733
Ion Ratio Lower Upper
84 100
49 95.6 102.2 153.4#
51 39.6 31.1 46.7
86 62.7 53.7 80.5

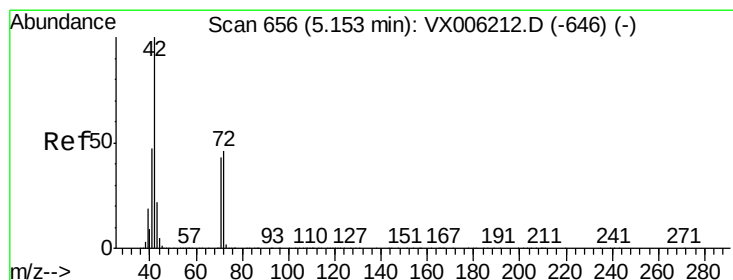
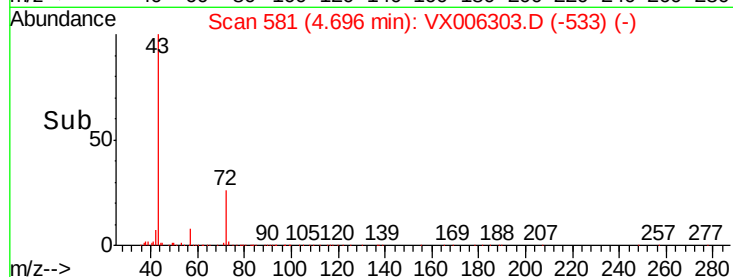
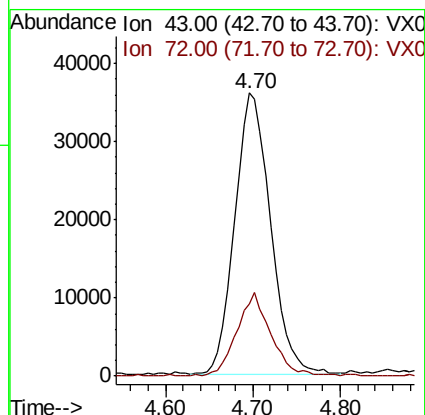
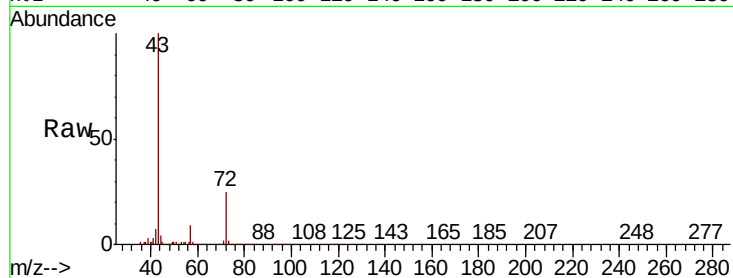




#25
2-Butanone
Concen: 18.235 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX006303.D
Acq: 05 Dec 2018 16:24

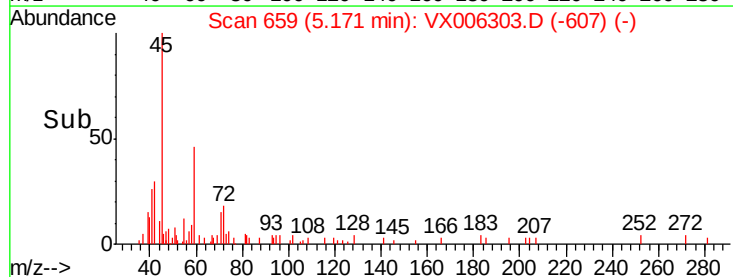
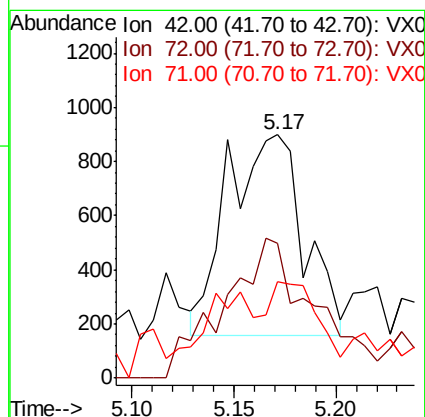
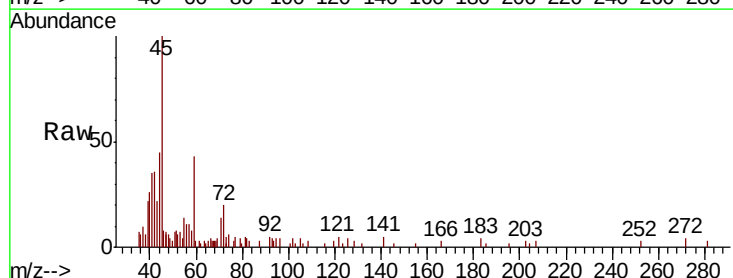
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER-A

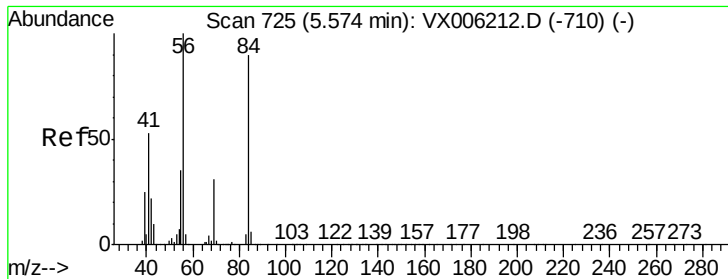
Tot Ion: 43 Resp: 101860
Ion Ratio Lower Upper
43 100
72 25.4 22.6 33.8



#29
Tetrahydrofuran
Concen: 0.498 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX006303.D
Acq: 05 Dec 2018 16:24

Tgt Ion: 42 Resp: 1932
Ion Ratio Lower Upper
42 100
72 82.1 37.8 56.8#
71 23.8 35.2 52.8#

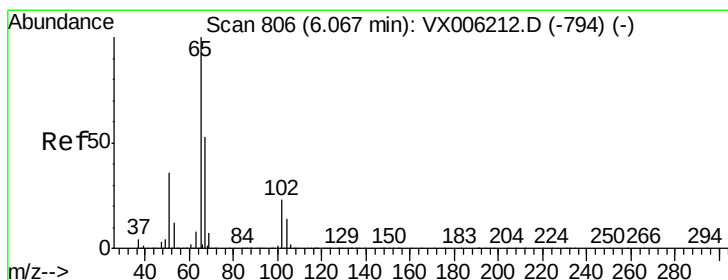
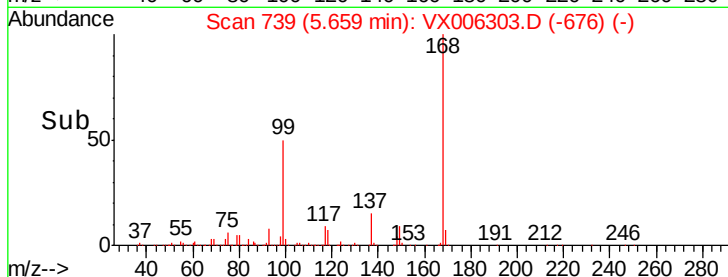
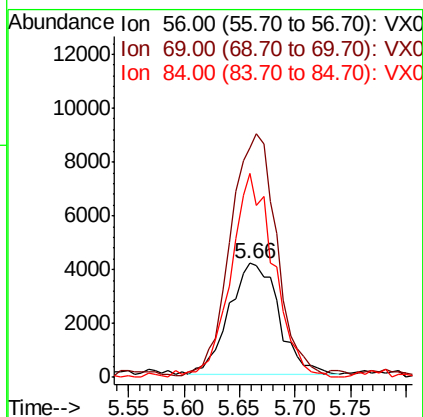
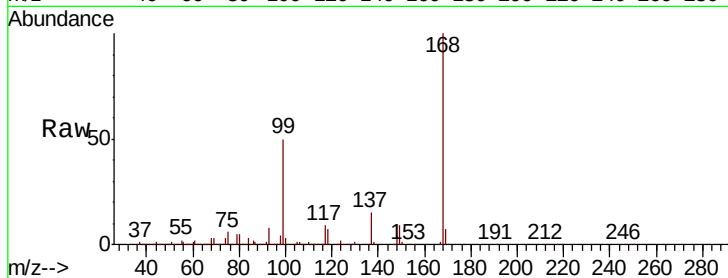




#31
Cyclohexane
Concen: 1.075 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006303.D
Acq: 05 Dec 2018 16:24

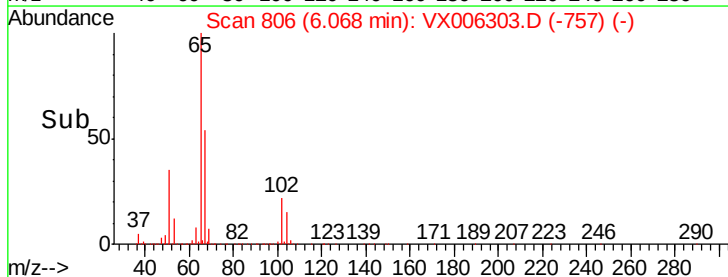
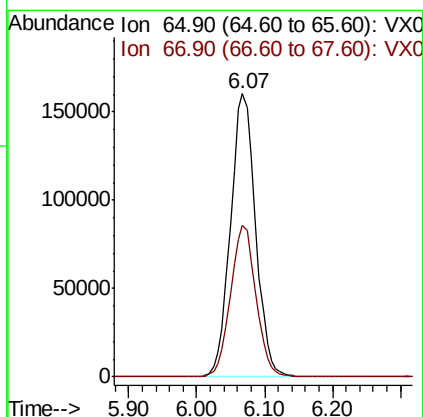
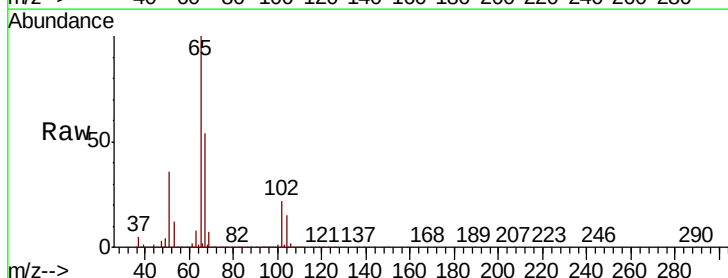
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MSVOA_X
ClientSampleId :
OILY-WATER-A

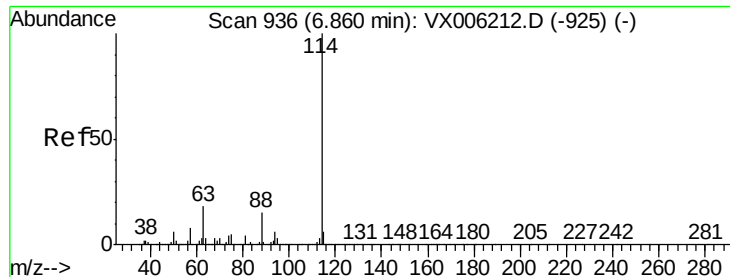
Tot Ion: 56 Resp: 12953
Ion Ratio Lower Upper
56 100
69 201.8 24.5 36.7#
84 183.4 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 49.146 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006303.D
Acq: 05 Dec 2018 16:24

Tgt Ion: 65 Resp: 409979
Ion Ratio Lower Upper
65 100
67 53.9 0.0 107.2

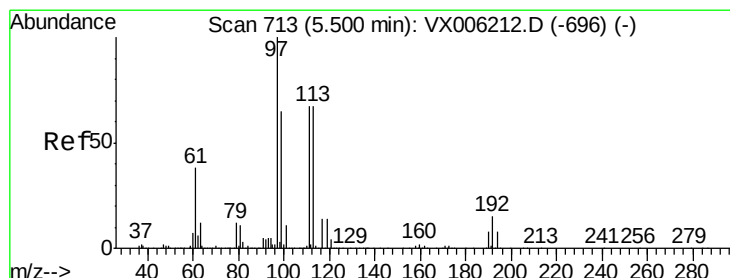
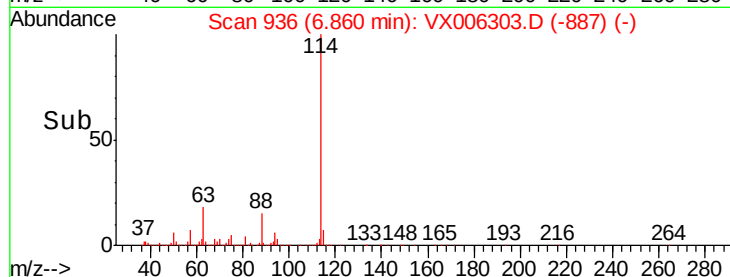
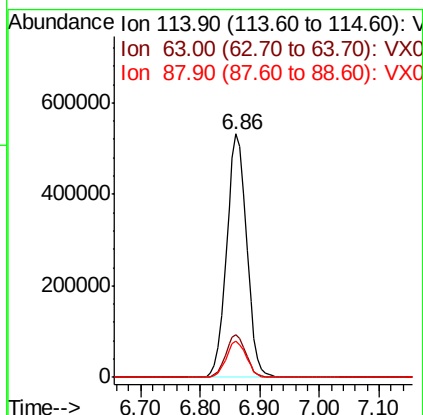
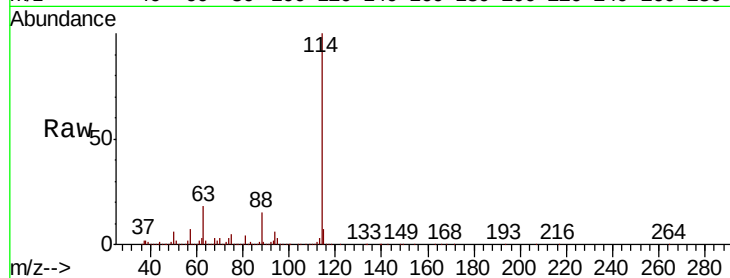




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006303.D
 Acq: 05 Dec 2018 16:24

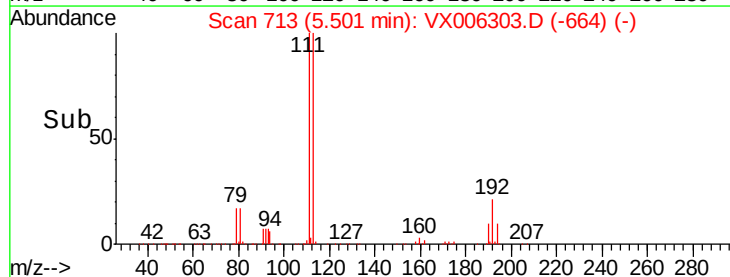
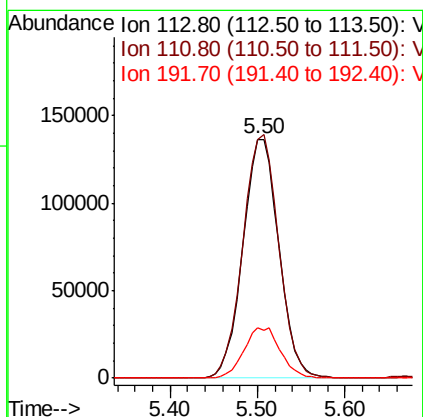
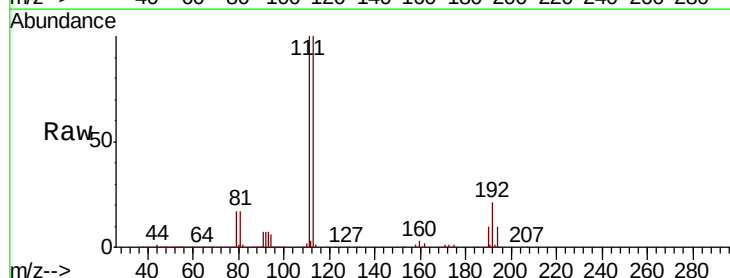
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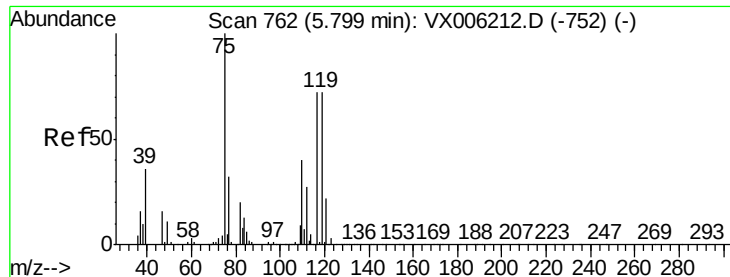
Tot Ion:114 Resp: 1243508
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.6
 88 14.7 0.0 29.0



#35
 Dibromofluoromethane
 Concen: 48.563 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX006303.D
 Acq: 05 Dec 2018 16:24

Tgt Ion:113 Resp: 390995
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.1 121.7
 192 21.5 18.2 27.2





#36

1,1-Dichloropropene

Concen: 4.787 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006303.D

Acq: 05 Dec 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER-A

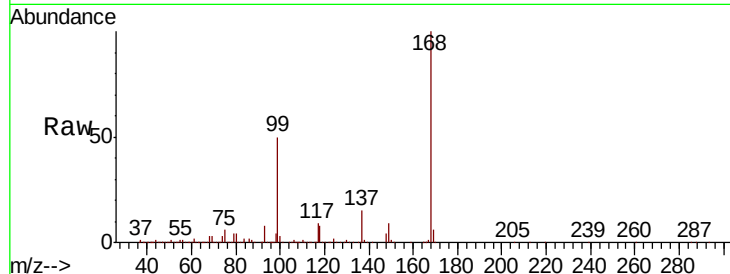
Tot Ion: 75 Resp: 50125

Ion Ratio Lower Upper

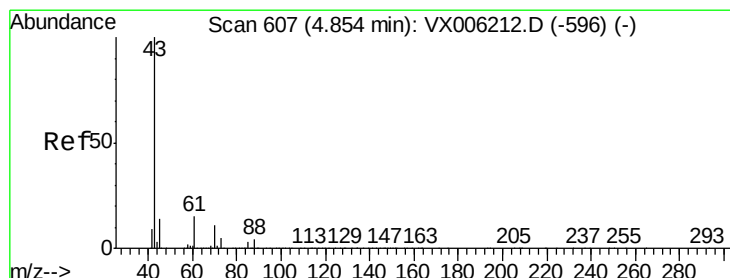
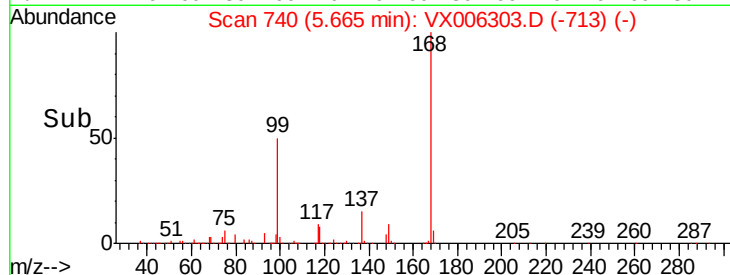
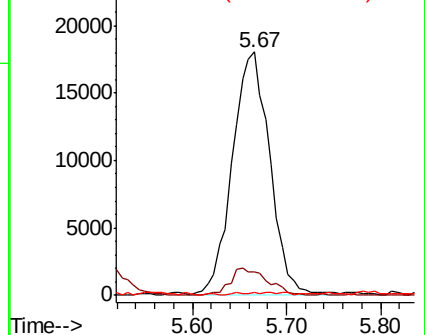
75 100

110 0.0 20.4 61.3#

77 0.4 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 8.686 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.16 min

Lab File: VX006303.D

Acq: 05 Dec 2018 16:24

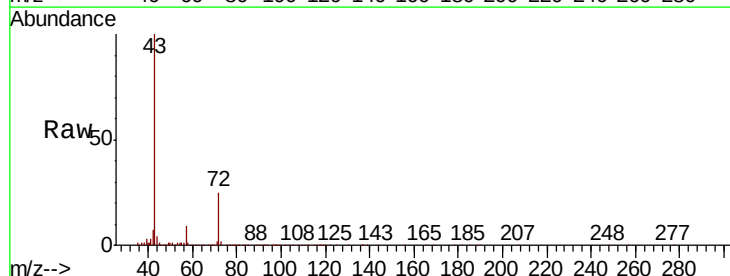
Tgt Ion: 43 Resp: 101860

Ion Ratio Lower Upper

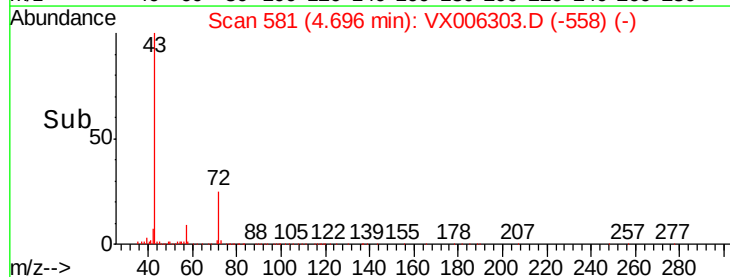
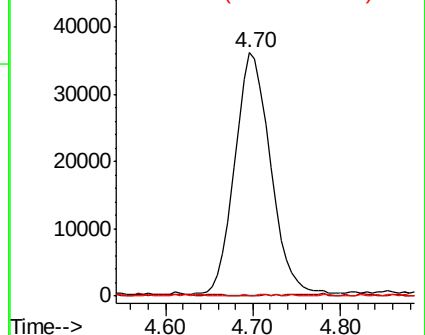
43 100

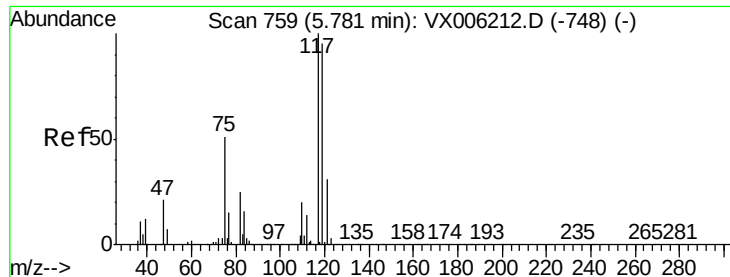
61 0.0 11.5 17.3#

70 0.1 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: 5.961 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006303.D

Acq: 05 Dec 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER-A

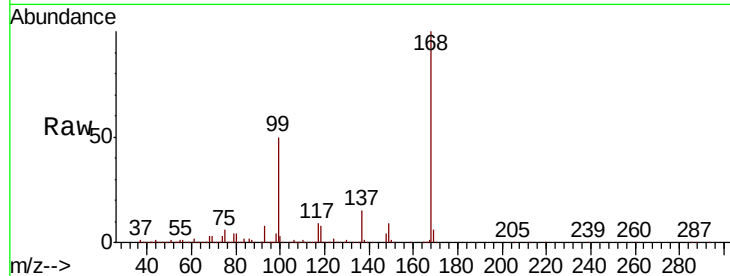
Tot Ion:117 Resp: 73430

Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.8#

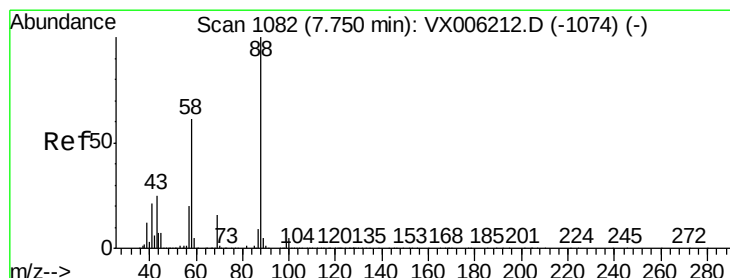
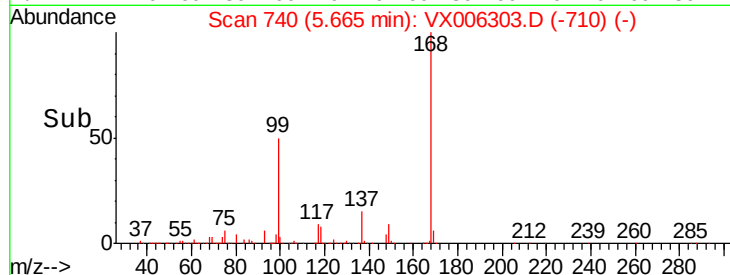
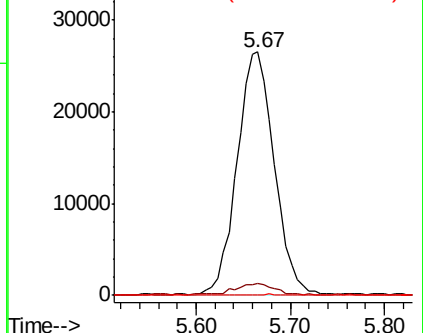
121 0.0 24.6 37.0#



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



#49

1,4-Dioxane

Concen: 0.290 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006303.D

Acq: 05 Dec 2018 16:24

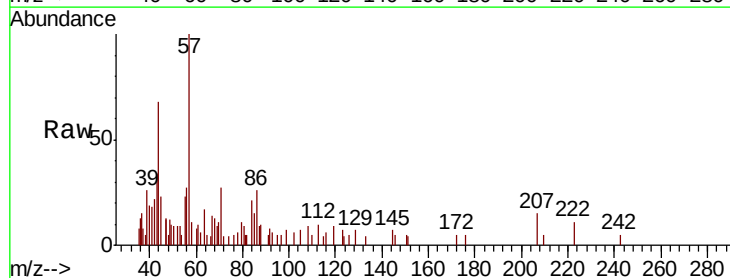
Tgt Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

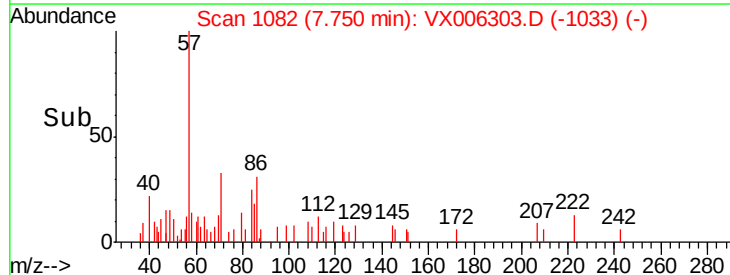
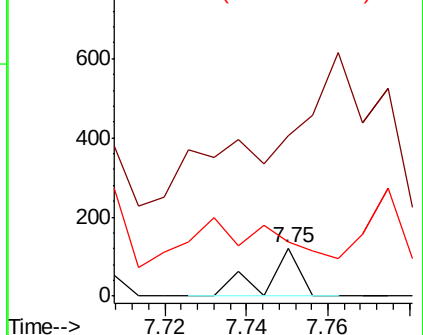
58 170.6 51.4 77.0#

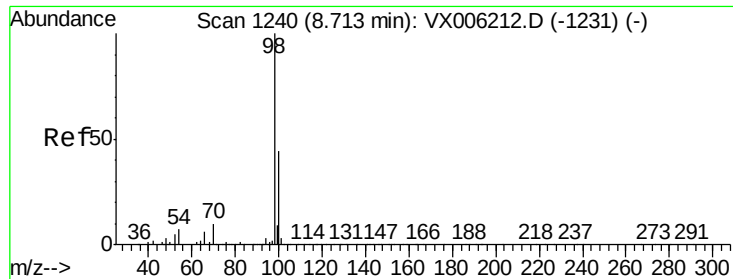


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

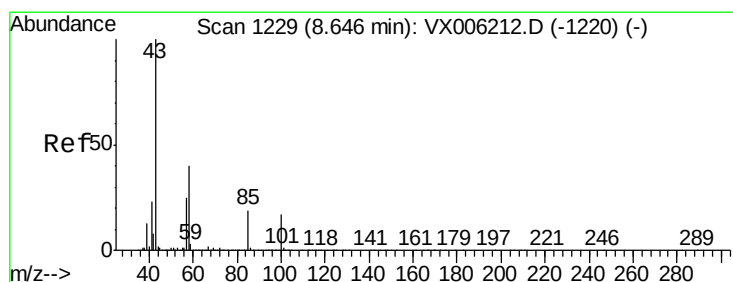
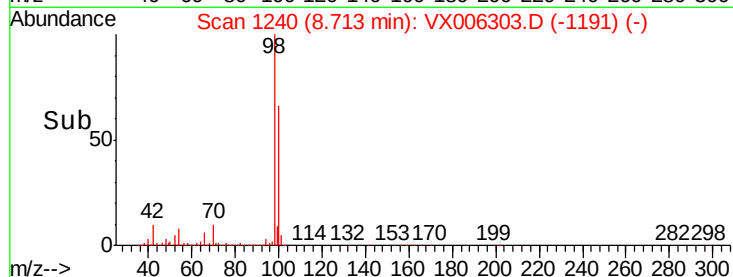
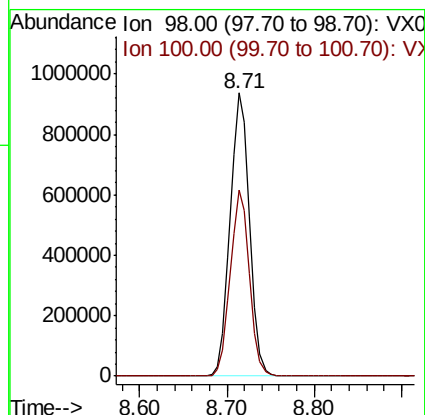
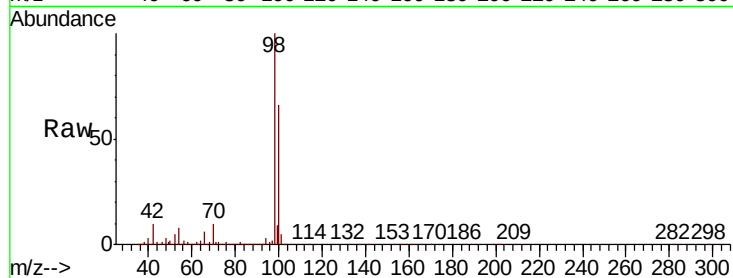




#50
Toluene-d8
Concen: 49.326 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006303.D
Acq: 05 Dec 2018 16:24

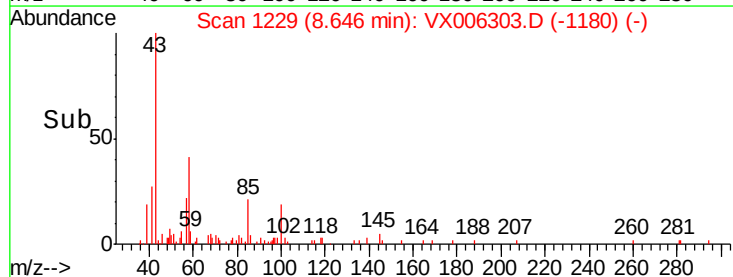
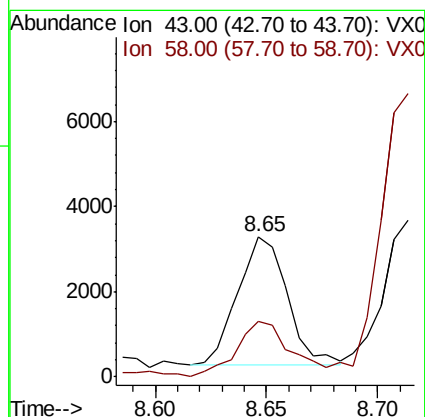
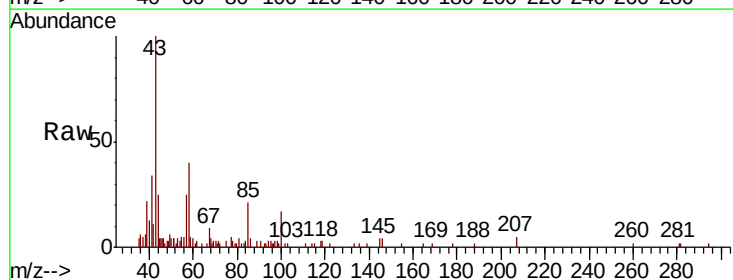
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER-A

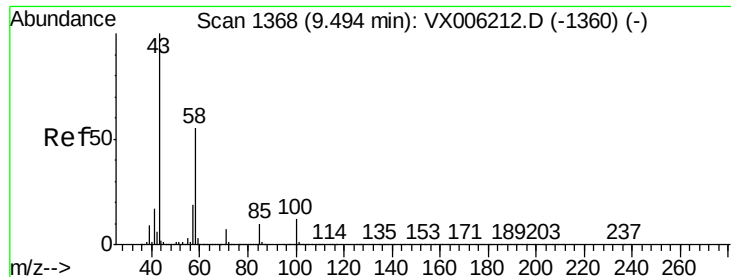
Tot Ion: 98 Resp: 1444551
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.408 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006303.D
Acq: 05 Dec 2018 16:24

Tgt Ion: 43 Resp: 4649
Ion Ratio Lower Upper
43 100
58 47.8 31.3 46.9#

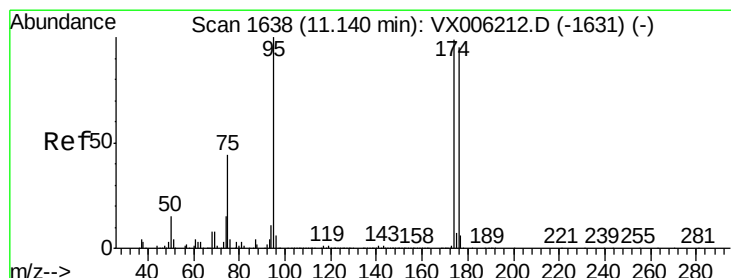
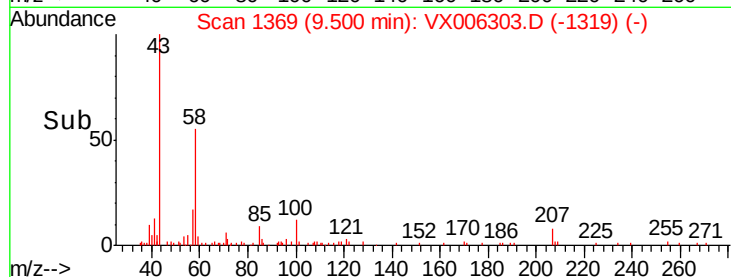
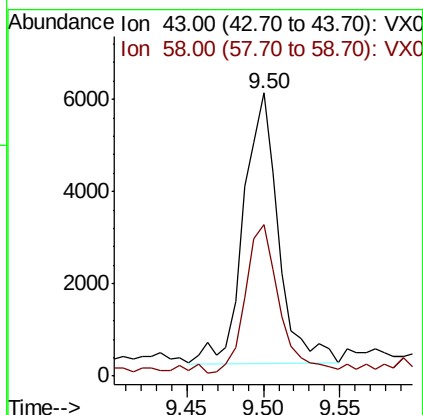
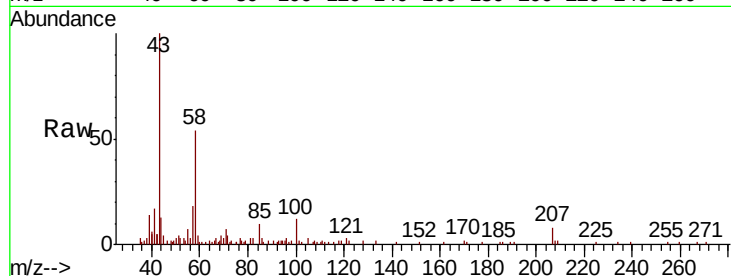




#59
2-Hexanone
Concen: 1.070 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX006303.D
Acq: 05 Dec 2018 16:24

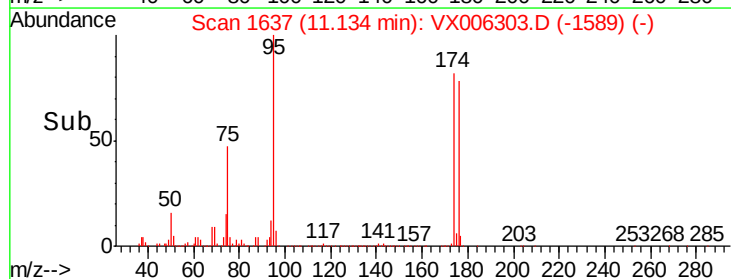
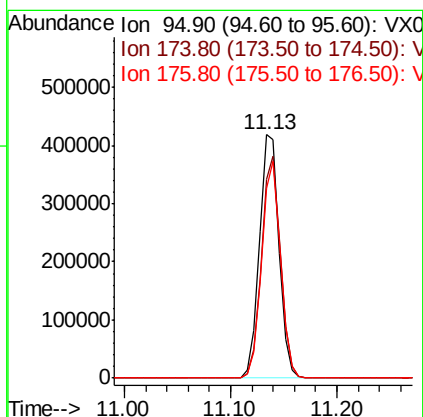
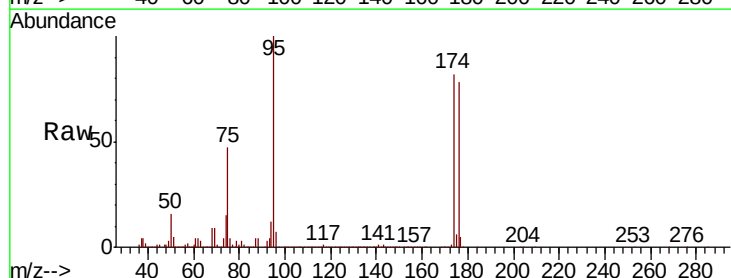
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER-A

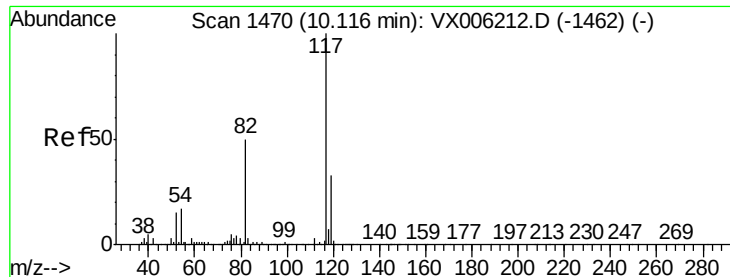
Tot Ion: 43 Resp: 9306
Ion Ratio Lower Upper
43 100
58 53.6 27.7 83.1



#62
4-Bromofluorobenzene
Concen: 49.156 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006303.D
Acq: 05 Dec 2018 16:24

Tgt Ion: 95 Resp: 542471
Ion Ratio Lower Upper
95 100
174 88.2 0.0 187.0
176 85.7 0.0 181.8

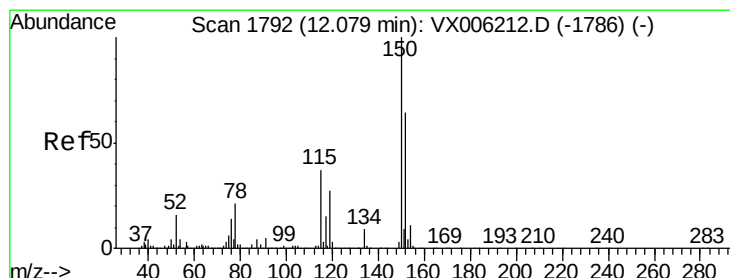
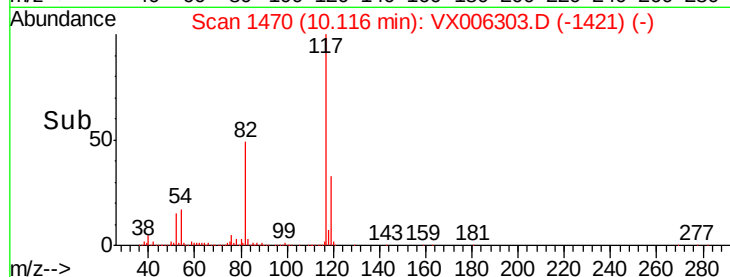
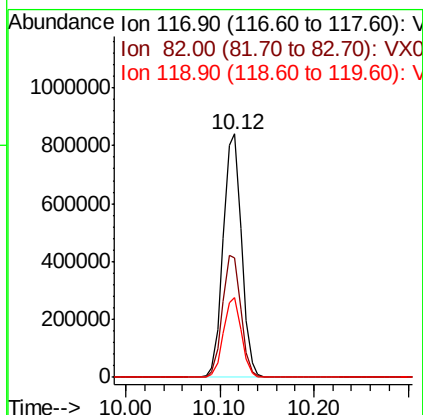
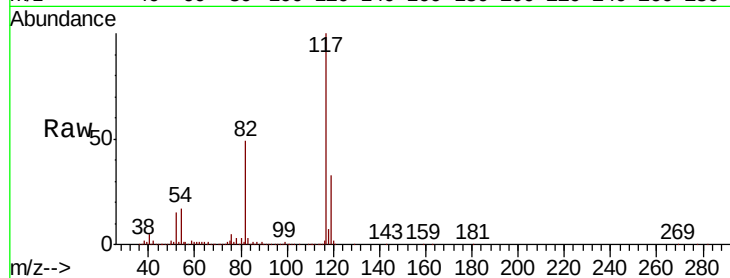




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006303.D
Acq: 05 Dec 2018 16:24

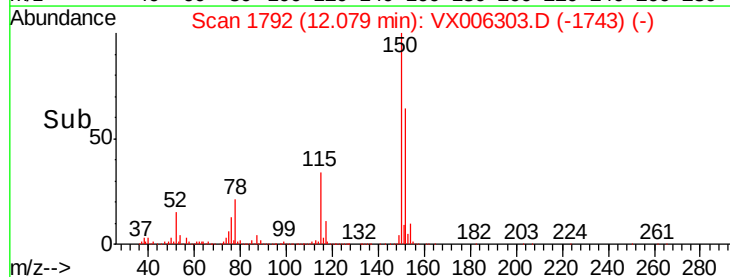
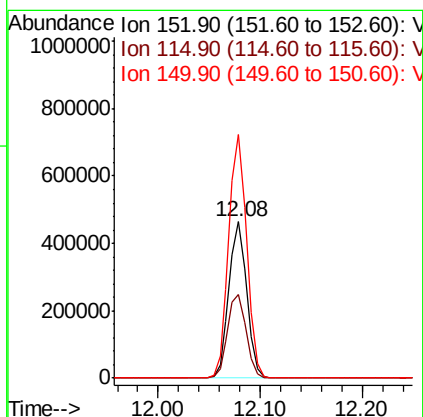
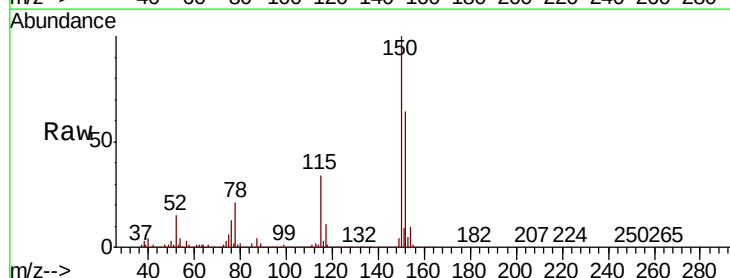
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER-A

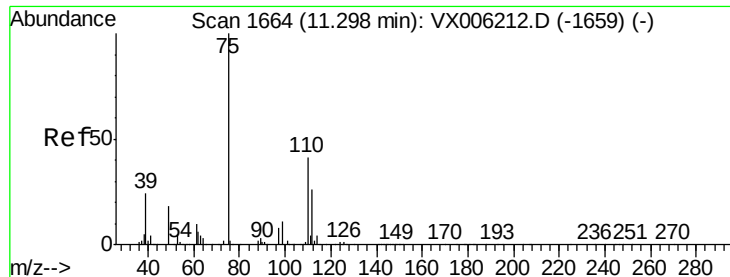
Tot Ion:117 Resp: 1136332
Ion Ratio Lower Upper
117 100
82 48.9 39.6 59.4
119 32.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006303.D
Acq: 05 Dec 2018 16:24

Tgt Ion:152 Resp: 558688
Ion Ratio Lower Upper
152 100
115 55.8 39.0 116.9
150 157.4 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 22.809 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006303.D

Acq: 05 Dec 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

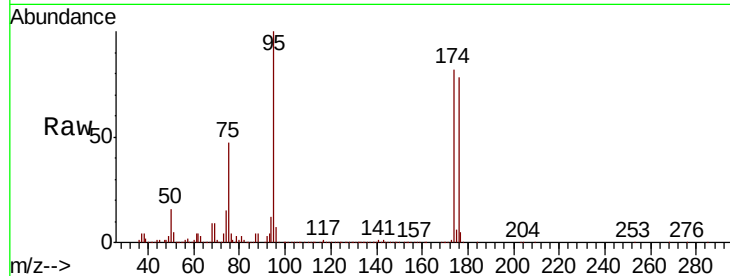
OILY-WATER-A

Tot Ion: 75 Resp: 245968

Ion Ratio Lower Upper

75 100

77 1.4 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

200000

150000

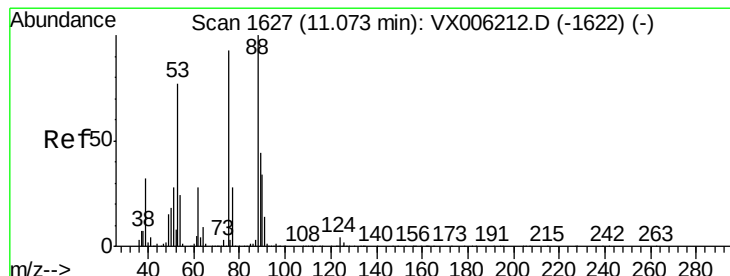
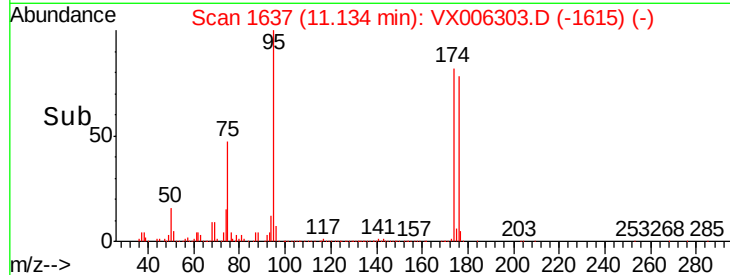
100000

50000

0

11.10 11.20

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 53.528 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006303.D

Acq: 05 Dec 2018 16:24

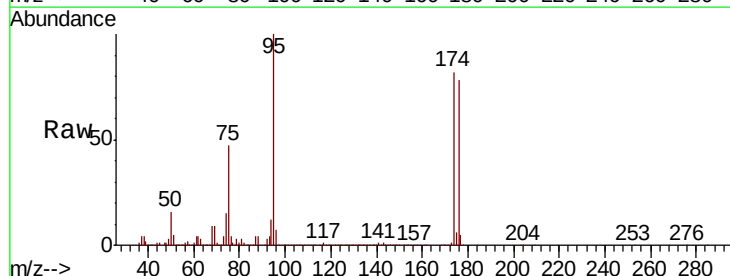
Tgt Ion: 75 Resp: 245968

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.1 44.2 66.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

250000

200000

150000

100000

50000

0

11.10 11.20

Time-->

