

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042120\
 Data File : VX015795.D
 Acq On : 21 Apr 2020 15:31
 Operator : JC/SP
 Sample : L2279-07 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-WATER

Quant Time: Apr 21 16:20:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	997619	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.84	114	1558363	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1501739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	858510	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	578851	41.14	ug/l	0.00
Spiked Amount			Recovery	=	82.28%	
35) Dibromofluoromethane	5.47	113	465793	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
50) Toluene-d8	8.70	98	1868679	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	11.12	95	787935	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	

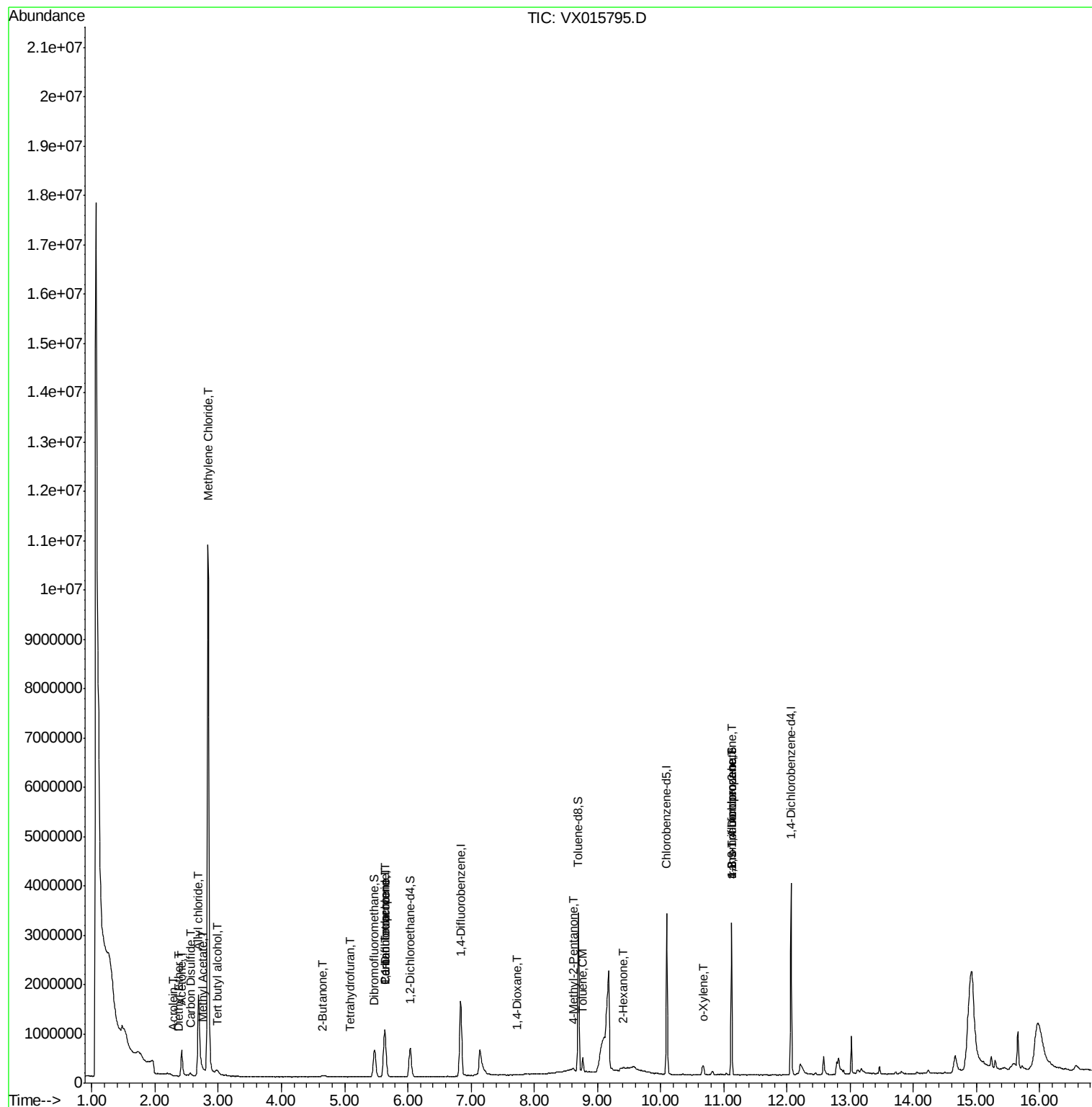
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	958	Below Cal	#	39
8) Diethyl Ether	2.37	74	1377	0.237	ug/l	72
11) Tert butyl alcohol	3.00	59	6070	1.802	ug/l #	94
13) Acrolein	2.28	56	648	0.338	ug/l #	14
14) Allyl chloride	2.69	41	2250305	102.253	ug/l #	45
16) Acetone	2.42	43	727386	120.330	ug/l	99
17) Carbon Disulfide	2.56	76	69570	2.421	ug/l	98
18) Methyl Acetate	2.76	43	28602	1.854	ug/l	92
20) Methylene Chloride	2.84	84	4808669	425.883	ug/l	95
25) 2-Butanone	4.65	43	22408	2.305	ug/l	100
29) Tetrahydrofuran	5.09	42	2413	0.386	ug/l #	38
36) 1,1-Dichloropropene	5.64	75	66706	4.646	ug/l #	52
38) Carbon Tetrachloride	5.64	117	91820	5.904	ug/l #	16
49) 1,4-Dioxane	7.73	88	7486	25.456	ug/l #	87
51) 4-Methyl-2-Pentanone	8.61	43	77394	4.327	ug/l #	47
52) Toluene	8.77	92	110356	4.256	ug/l	98
59) 2-Hexanone	9.41	43	133542	9.889	ug/l #	27
69) o-Xylene	10.68	106	10407	0.532	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	384413	21.774	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	384413	52.246	ug/l #	10

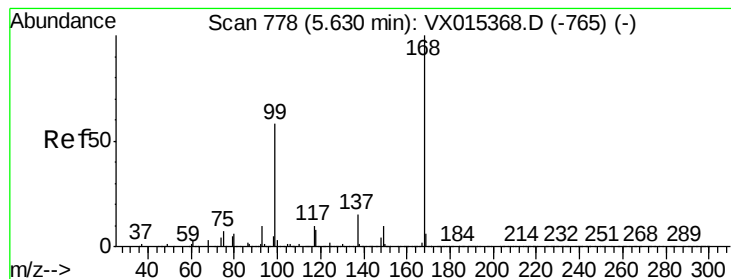
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 21 16:20:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.01 min

Lab File: VX015795.D

Acq: 21 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

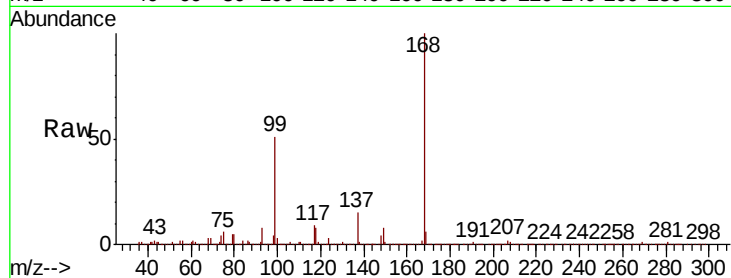
OILY-WATER

Tot Ion:168 Resp: 997619

Ion Ratio Lower Upper

168 100

99 50.6 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

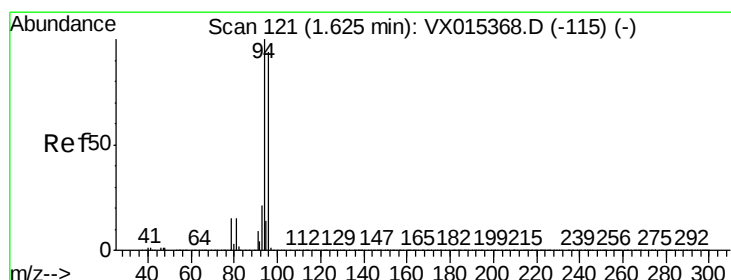
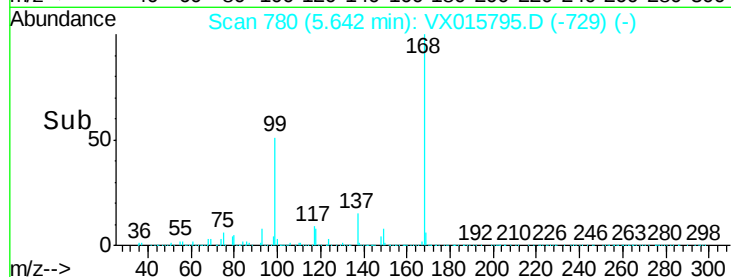
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015795.D

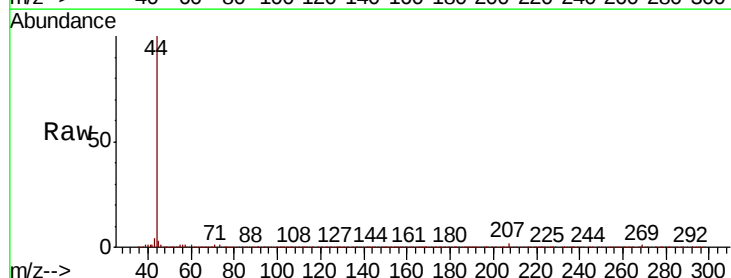
Acq: 21 Apr 2020 15:31

Tgt Ion: 94 Resp: 958

Ion Ratio Lower Upper

94 100

96 34.7 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

2500

2000

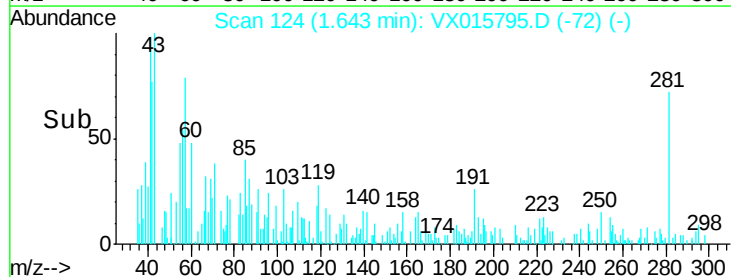
1500

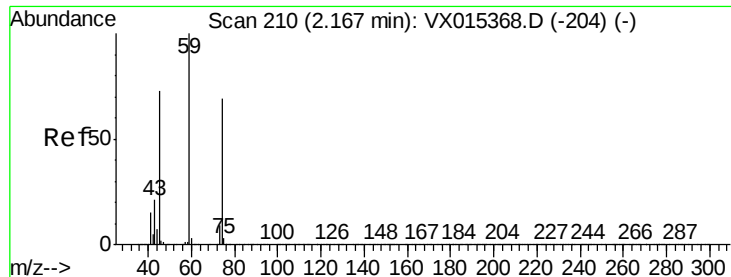
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 0.237 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.21 min

Lab File: VX015795.D

Acq: 21 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

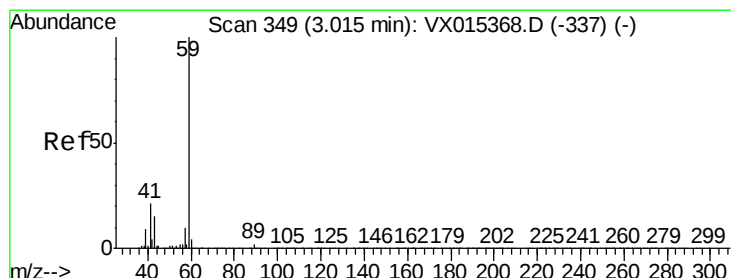
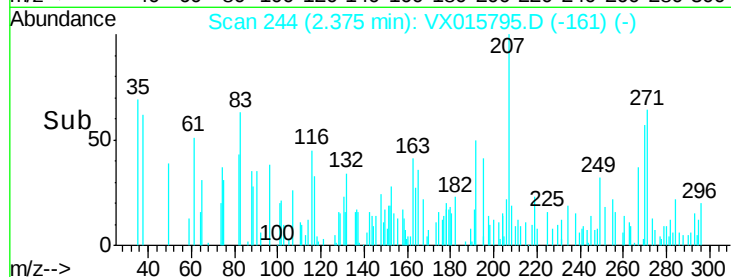
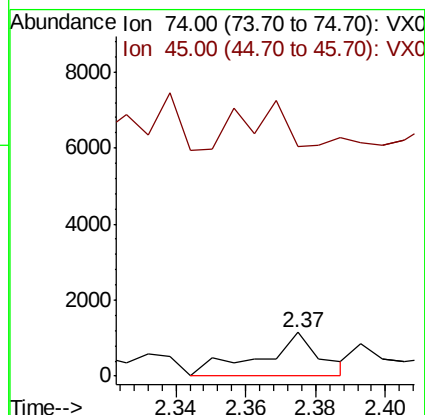
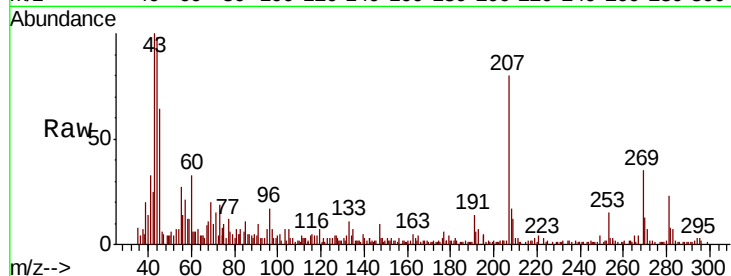
OILY-WATER

Tot Ion: 74 Resp: 1377

Ion Ratio Lower Upper

74 100

45 78.6 53.8 161.4



#11

Tert butyl alcohol

Concen: 1.802 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.02 min

Lab File: VX015795.D

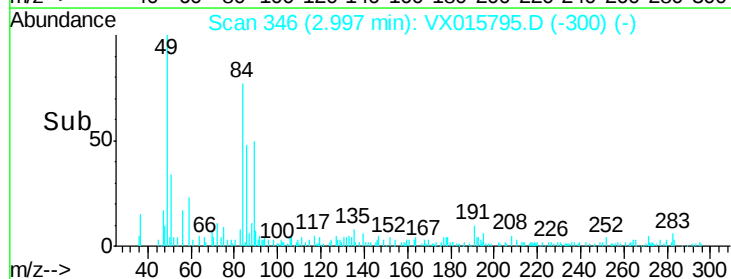
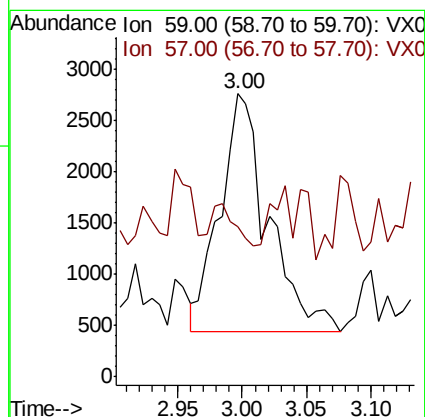
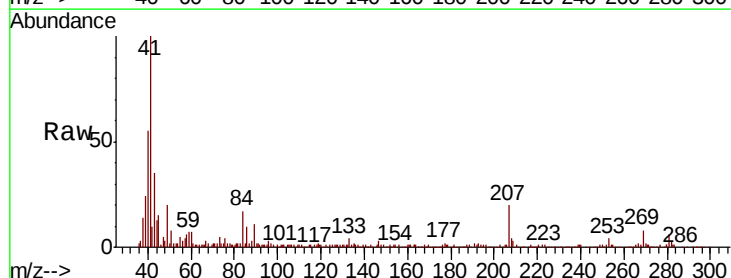
Acq: 21 Apr 2020 15:31

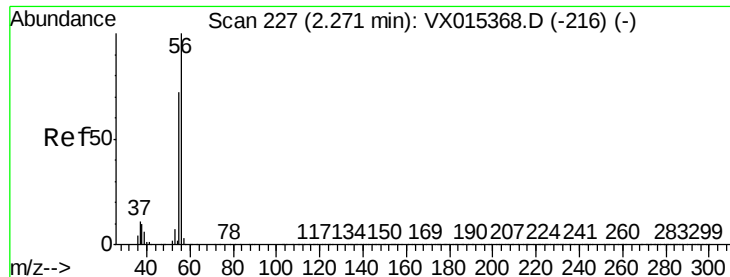
Tgt Ion: 59 Resp: 6070

Ion Ratio Lower Upper

59 100

57 7.7 8.1 12.1#





#13

Acrolein

Concen: 0.338 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX015795.D

Acq: 21 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

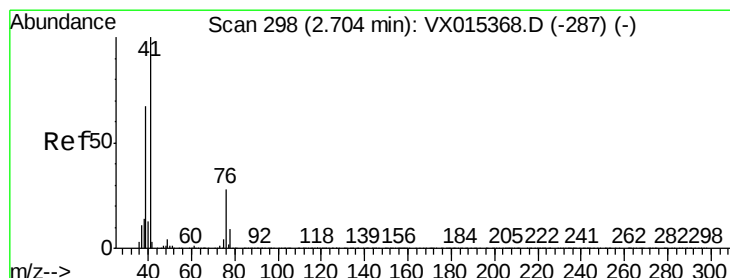
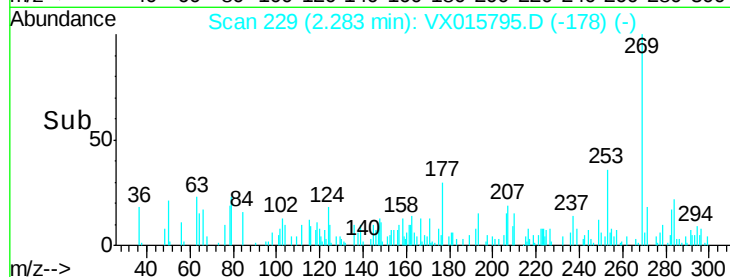
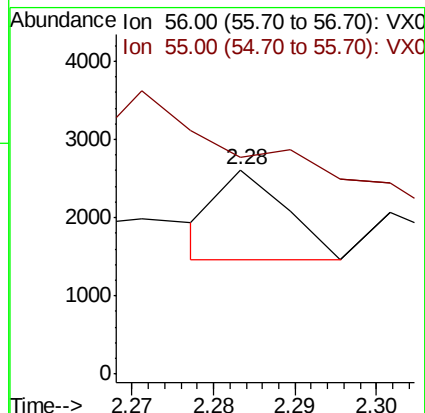
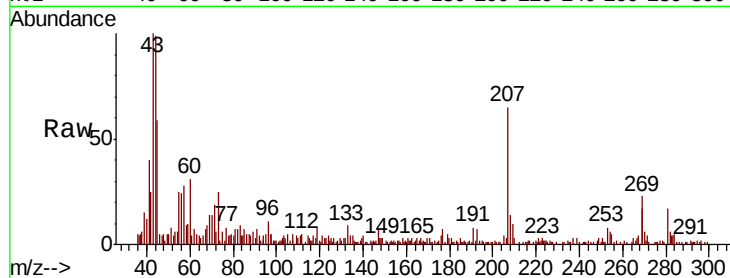
OILY-WATER

Tot Ion: 56 Resp: 648

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#14

Allyl chloride

Concen: 102.253 ug/l

RT: 2.69 min Scan# 295

Delta R.T. -0.02 min

Lab File: VX015795.D

Acq: 21 Apr 2020 15:31

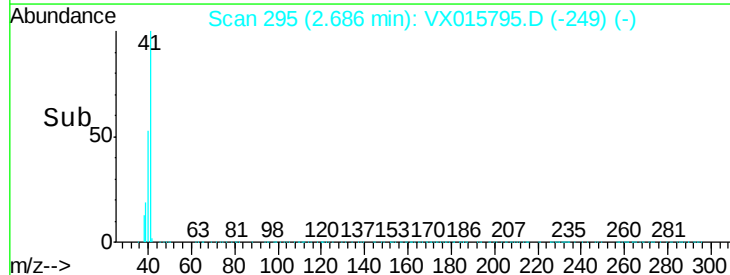
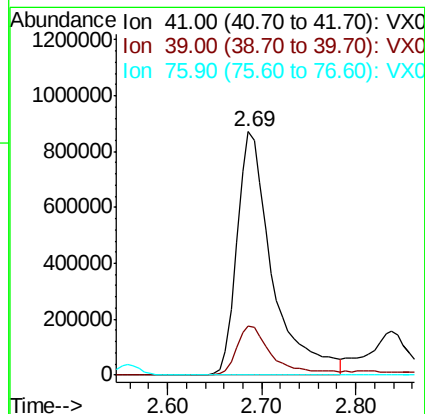
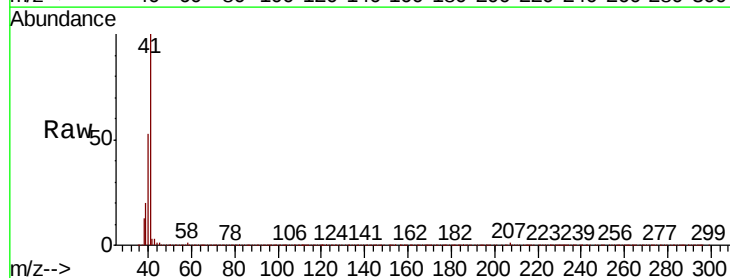
Tgt Ion: 41 Resp: 2250305

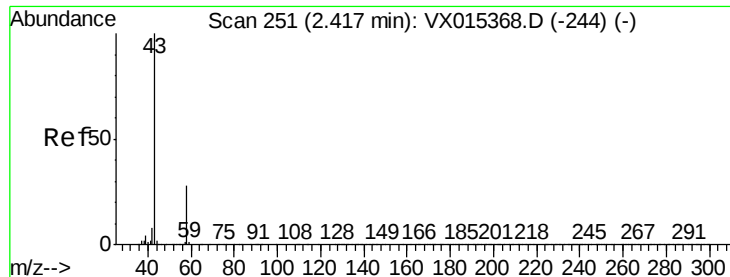
Ion Ratio Lower Upper

41 100

39 20.1 51.4 77.0#

76 0.0 21.8 32.8#

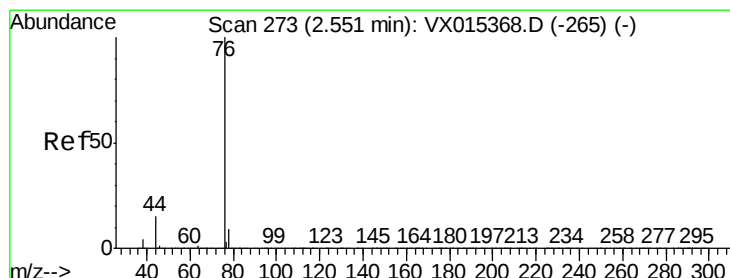
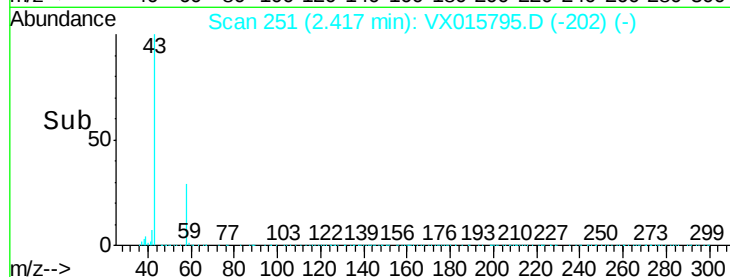
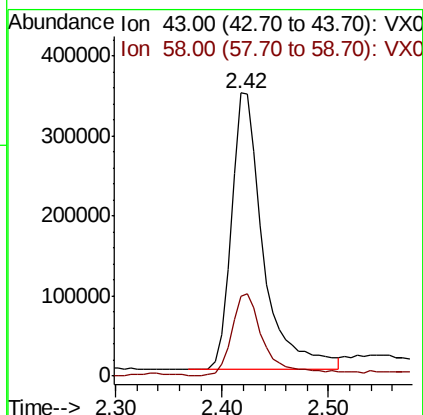
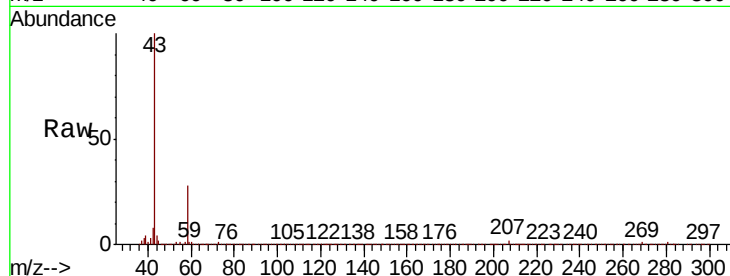




#16
Acetone
Concen: 120.330 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015795.D
Acq: 21 Apr 2020 15:31

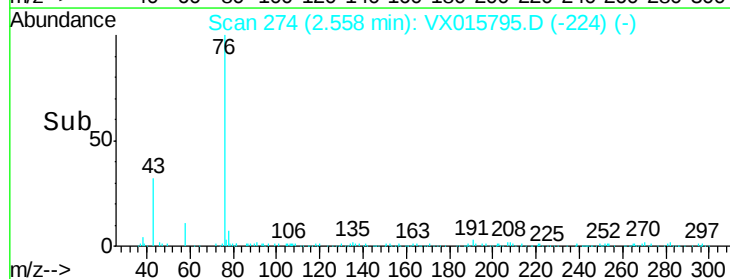
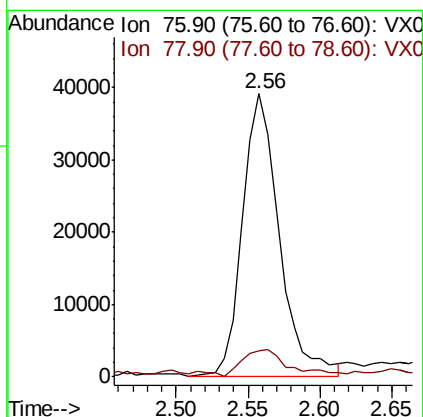
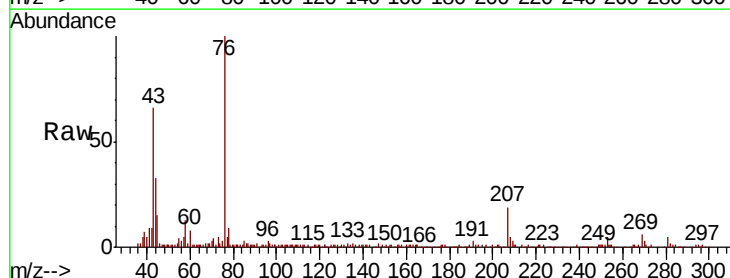
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

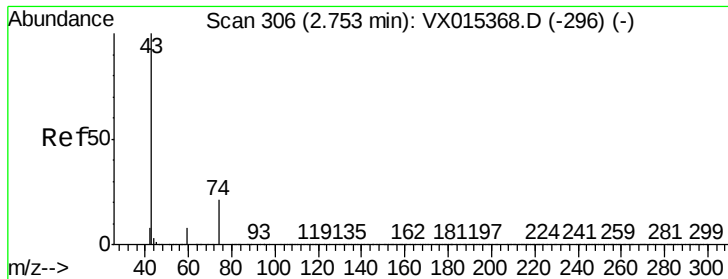
Tot Ion: 43 Resp: 727386
Ion Ratio Lower Upper
43 100
58 28.4 22.1 33.1



#17
Carbon Disulfide
Concen: 2.421 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX015795.D
Acq: 21 Apr 2020 15:31

Tgt Ion: 76 Resp: 69570
Ion Ratio Lower Upper
76 100
78 8.1 7.1 10.7

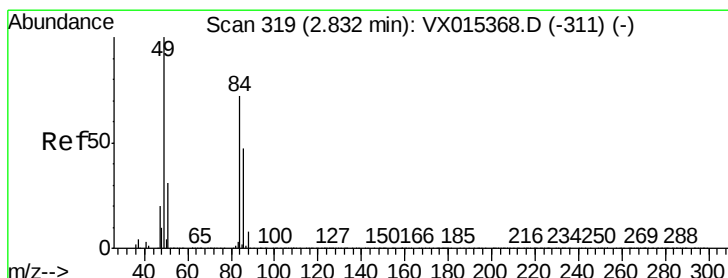
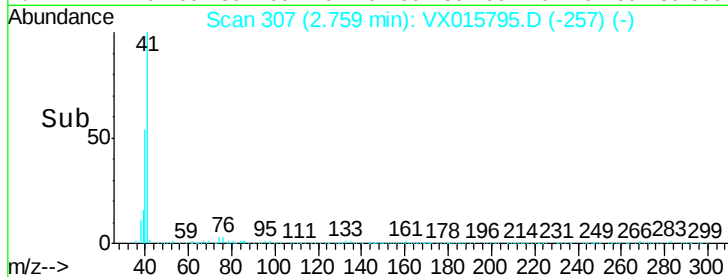
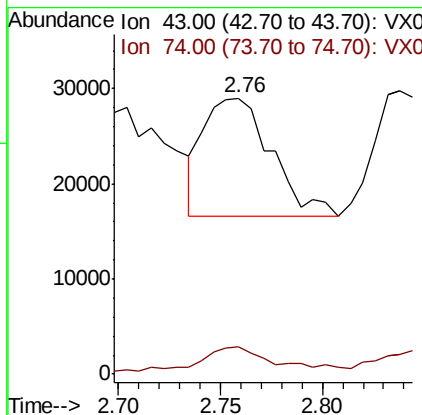
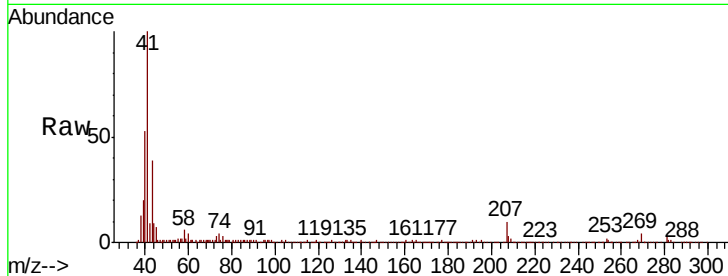




#18
Methyl Acetate
Concen: 1.854 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.01 min
Lab File: VX015795.D
Acq: 21 Apr 2020 15:31

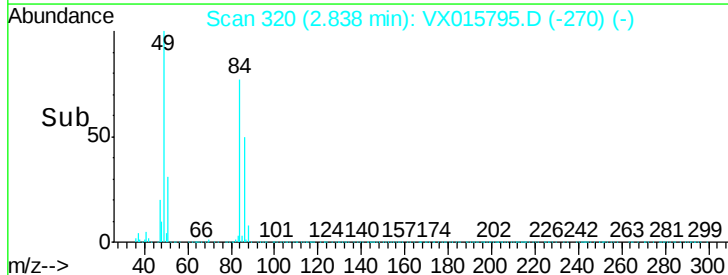
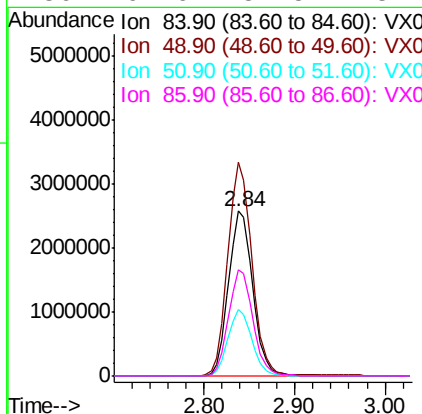
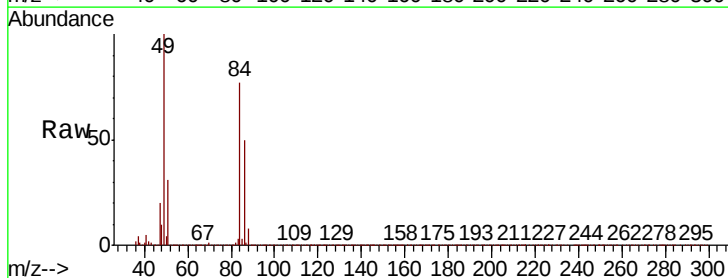
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

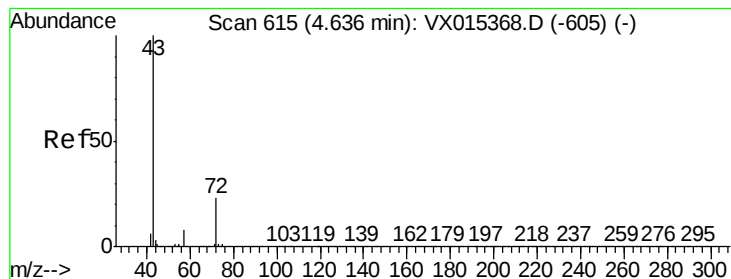
Tot Ion: 43 Resp: 28602
Ion Ratio Lower Upper
43 100
74 24.3 16.5 24.7



#20
Methylene Chloride
Concen: 425.883 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015795.D
Acq: 21 Apr 2020 15:31

Tgt Ion: 84 Resp: 4808669
Ion Ratio Lower Upper
84 100
49 129.6 111.3 166.9
51 40.5 34.0 51.0
86 64.6 52.5 78.7





#25

2-Butanone

Concen: 2.305 ug/l

RT: 4.65 min Scan# 617

Delta R.T. 0.01 min

Lab File: VX015795.D

Acq: 21 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampled :

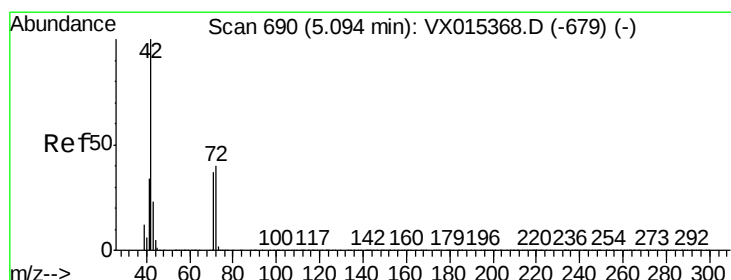
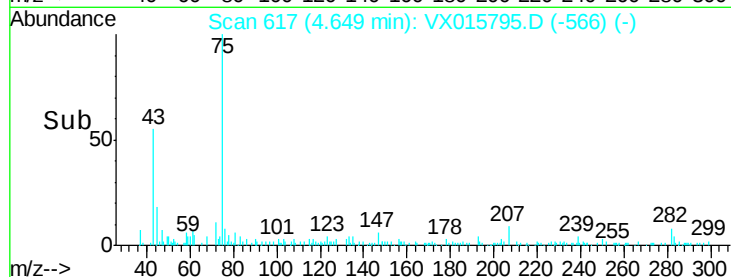
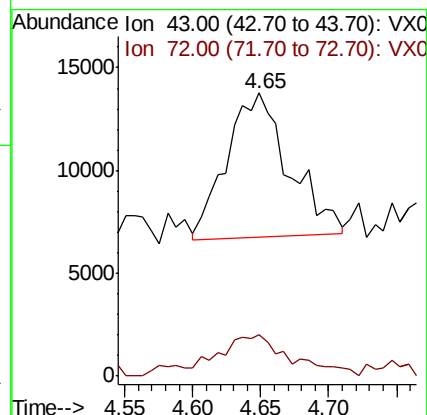
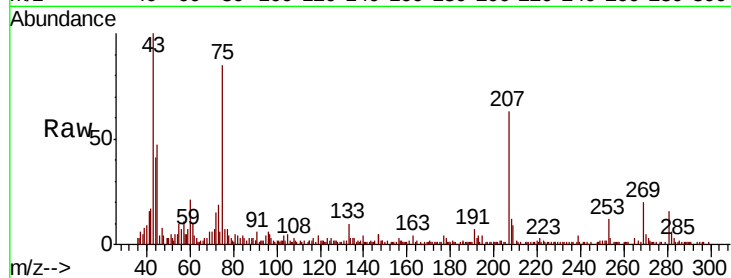
OILY-WATER

Tot Ion: 43 Resp: 22408

Ion Ratio Lower Upper

43 100

72 23.9 19.0 28.4



#29

Tetrahydrofuran

Concen: 0.386 ug/l

RT: 5.09 min Scan# 689

Delta R.T. -0.01 min

Lab File: VX015795.D

Acq: 21 Apr 2020 15:31

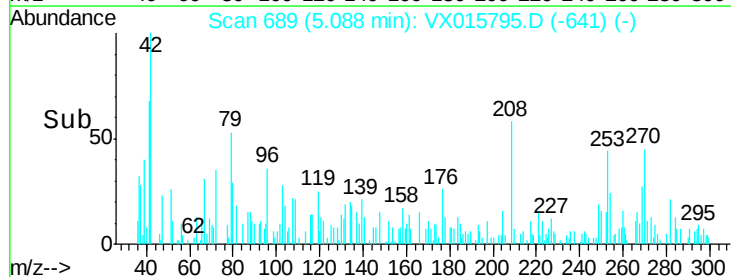
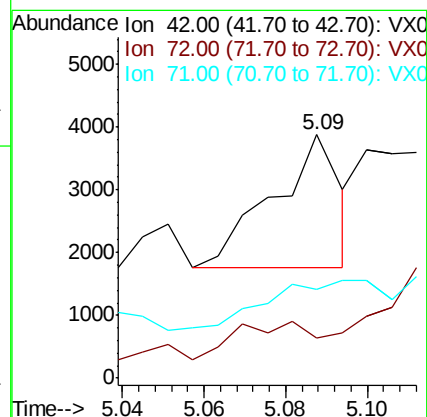
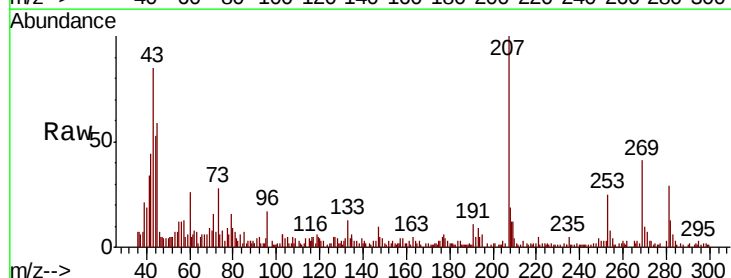
Tgt Ion: 42 Resp: 2413

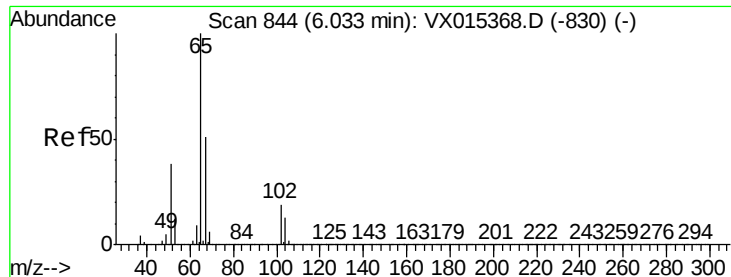
Ion Ratio Lower Upper

42 100

72 78.2 31.7 47.5#

71 0.0 29.6 44.4#





#33

1,2-Dichloroethane-d4

Concen: 41.140 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015795.D

Acq: 21 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

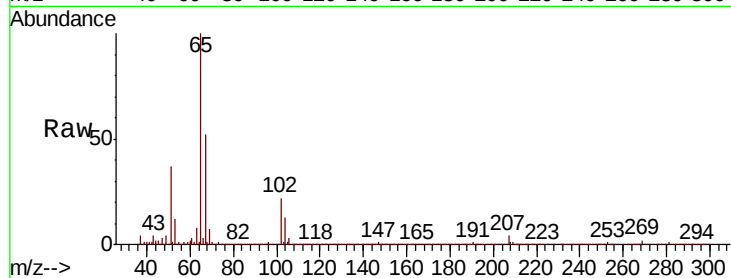
OILY-WATER

Tot Ion: 65 Resp: 578851

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

250000

200000

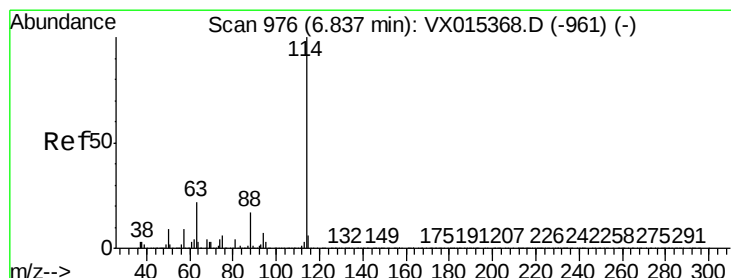
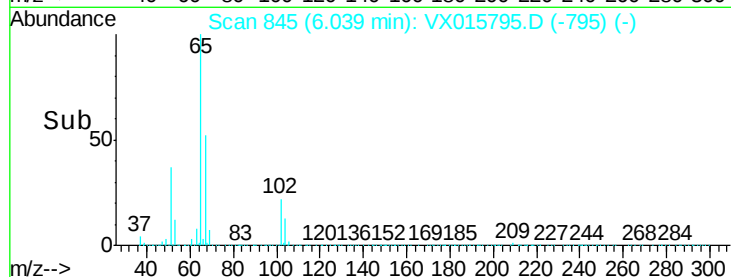
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015795.D

Acq: 21 Apr 2020 15:31

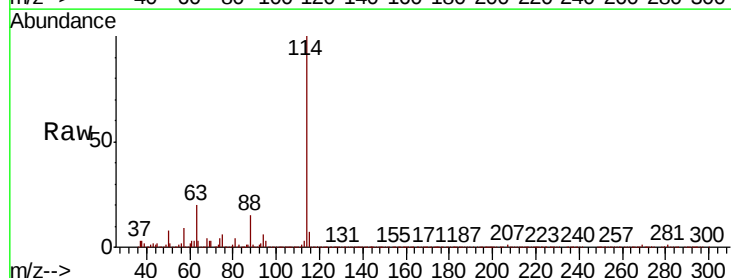
Tgt Ion: 114 Resp: 1558363

Ion Ratio Lower Upper

114 100

63 20.1 0.0 44.2

88 15.4 0.0 33.8



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

6.84

800000

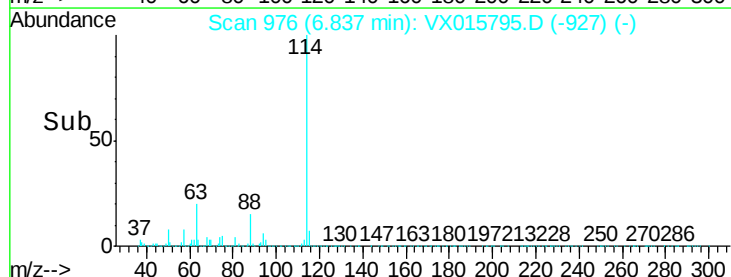
600000

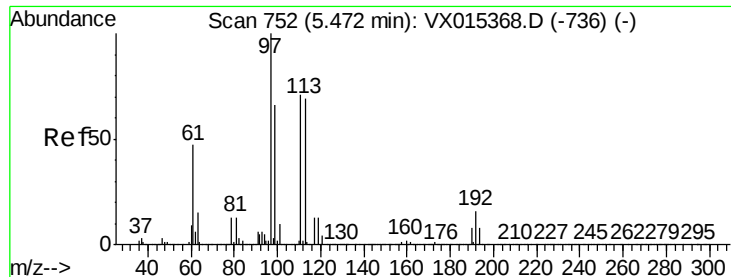
400000

200000

0

Time-->

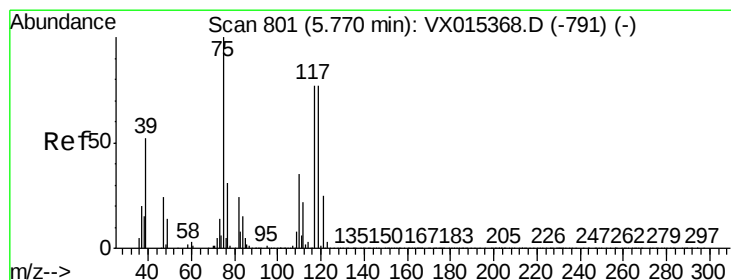
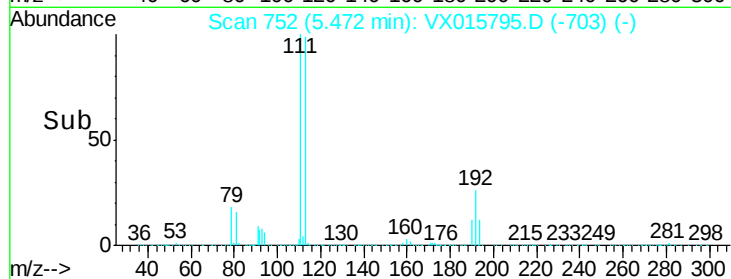
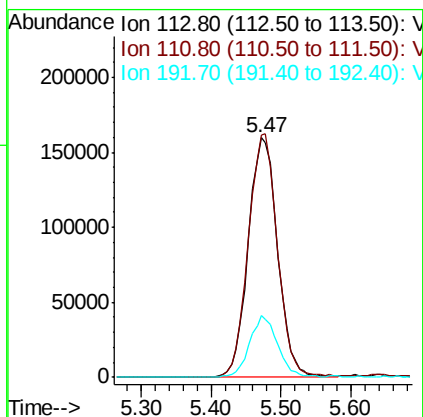
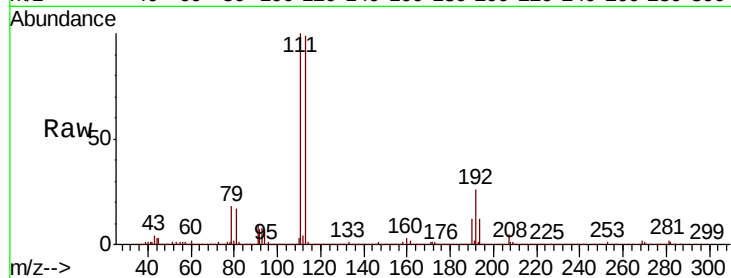




#35
Dibromofluoromethane
Concen: 46.759 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015795.D
Acq: 21 Apr 2020 15:31

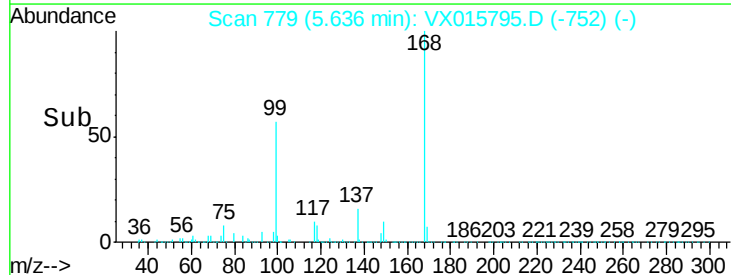
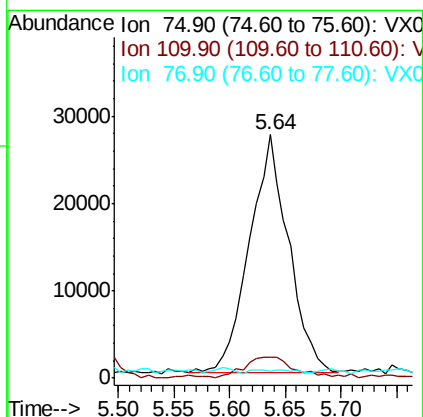
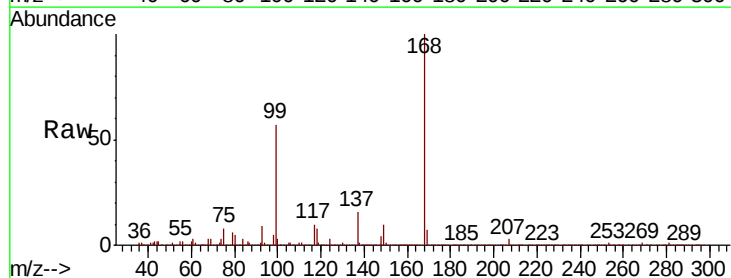
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

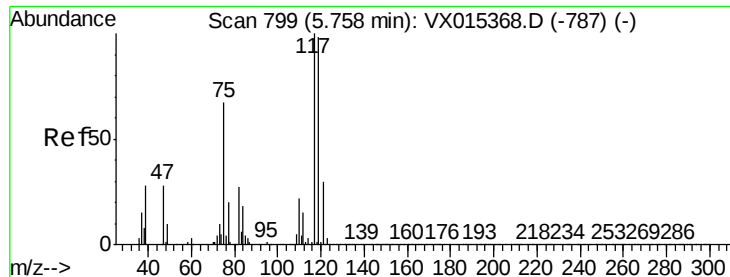
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.5	122.3
192	24.2	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.646 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015795.D
Acq: 21 Apr 2020 15:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	17.1	51.3#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.904 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015795.D

Acq: 21 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER

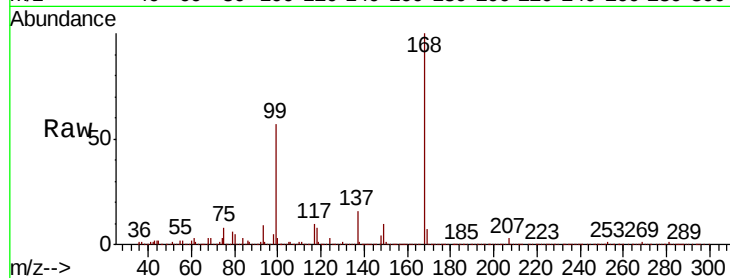
Tot Ion:117 Resp: 91820

Ion Ratio Lower Upper

117 100

119 5.7 78.0 117.0#

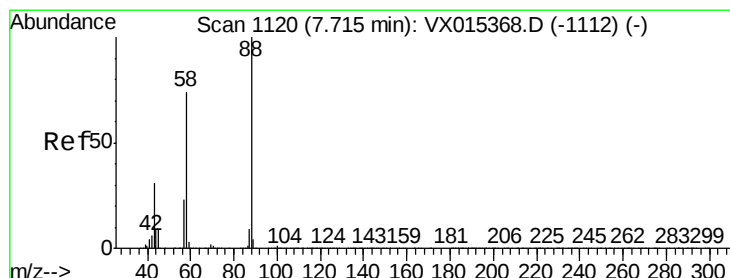
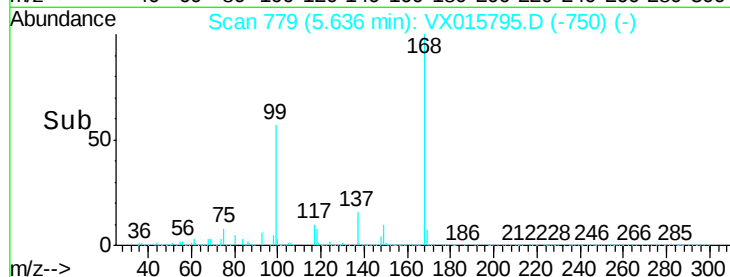
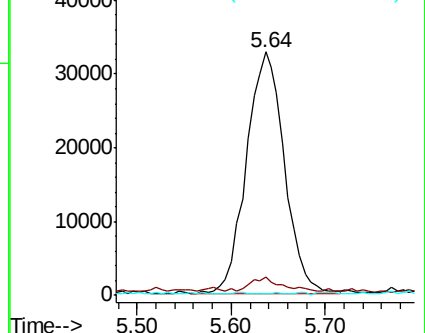
121 0.1 23.8 35.8#



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: 25.456 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.02 min

Lab File: VX015795.D

Acq: 21 Apr 2020 15:31

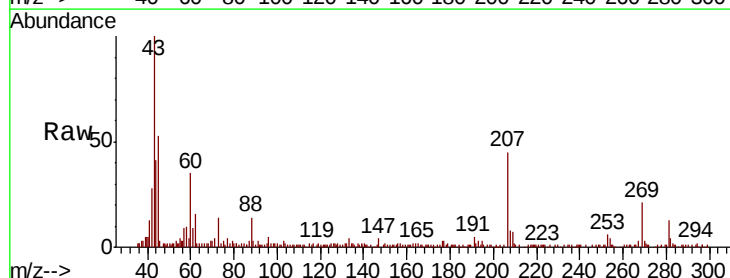
Tgt Ion: 88 Resp: 7486

Ion Ratio Lower Upper

88 100

43 49.5 30.1 45.1#

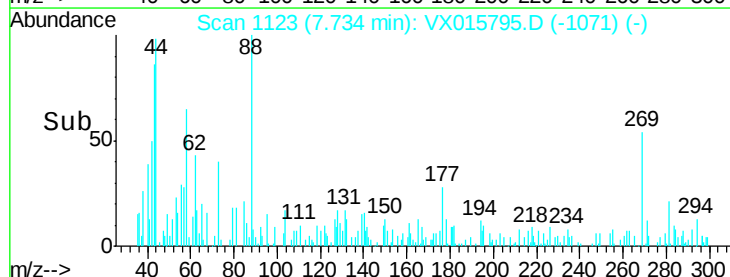
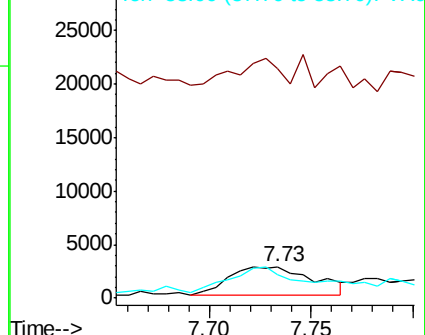
58 67.8 60.6 90.8

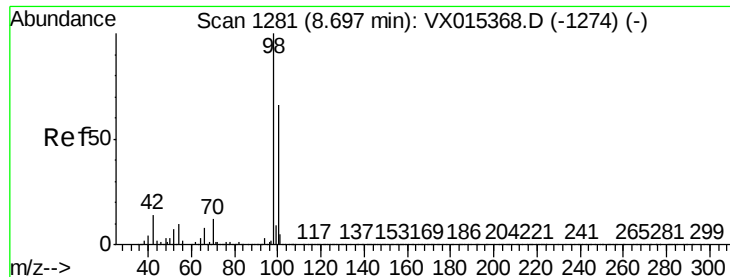


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.952 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015795.D

Acq: 21 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

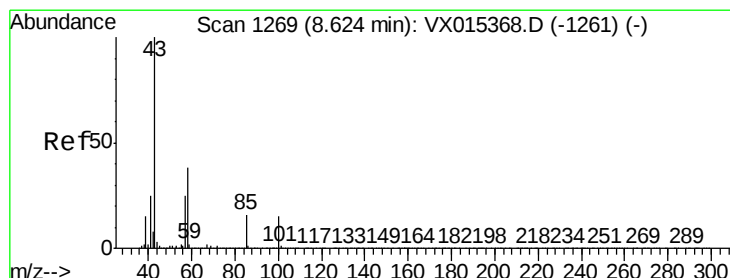
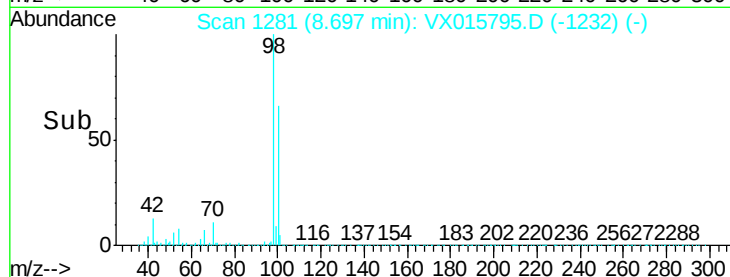
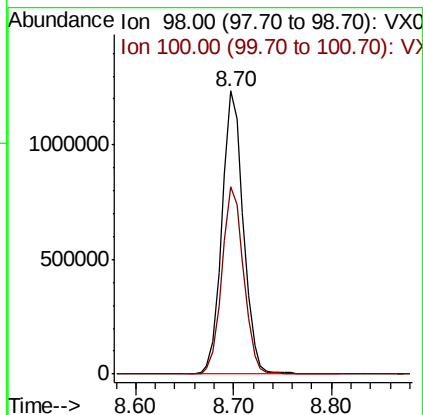
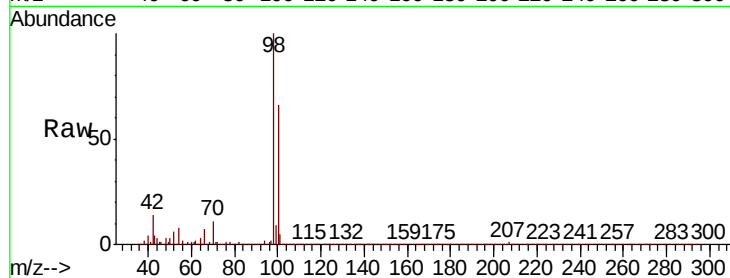
OILY-WATER

Tot Ion: 98 Resp: 1868679

Ion Ratio Lower Upper

98 100

100 67.2 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 4.327 ug/l

RT: 8.61 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VX015795.D

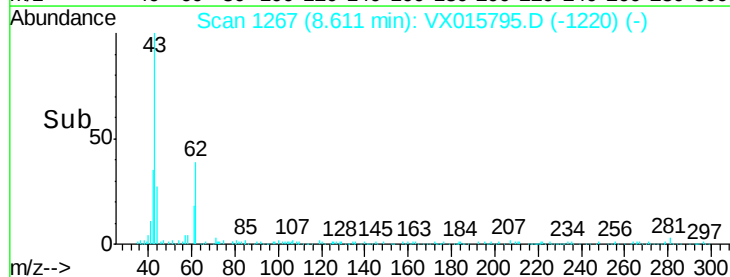
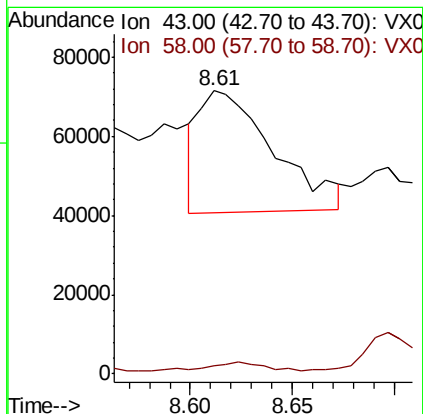
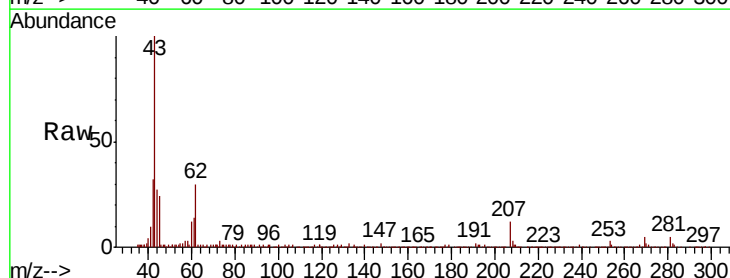
Acq: 21 Apr 2020 15:31

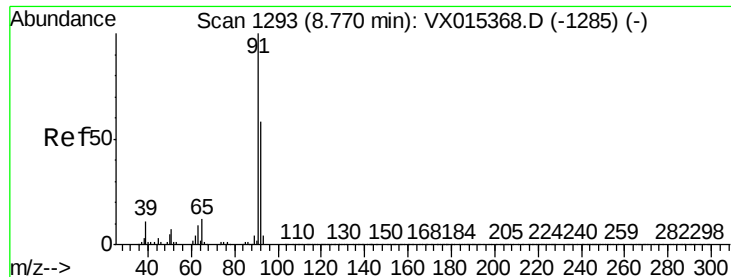
Tgt Ion: 43 Resp: 77394

Ion Ratio Lower Upper

43 100

58 5.3 29.7 44.5#





#52

Toluene

Concen: 4.256 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015795.D

Acq: 21 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampled :

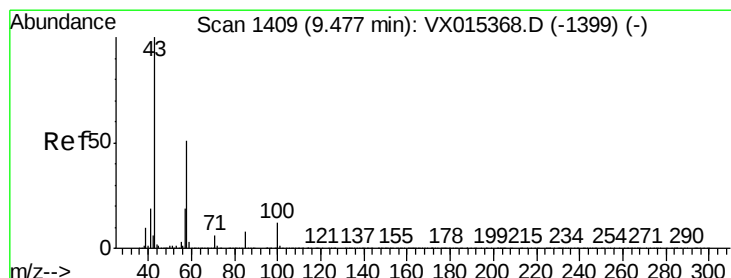
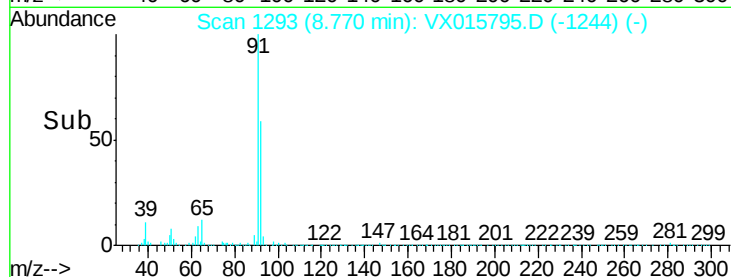
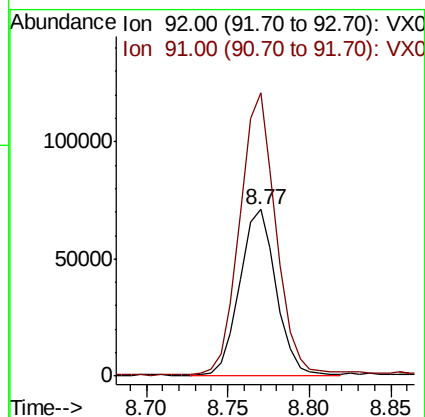
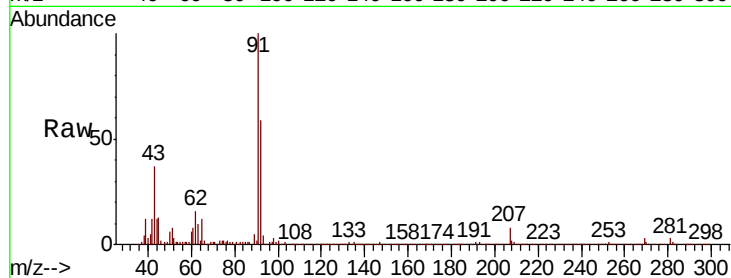
OILY-WATER

Tot Ion: 92 Resp: 110356

Ion Ratio Lower Upper

92 100

91 167.4 136.6 205.0



#59

2-Hexanone

Concen: 9.889 ug/l

RT: 9.41 min Scan# 1398

Delta R.T. -0.07 min

Lab File: VX015795.D

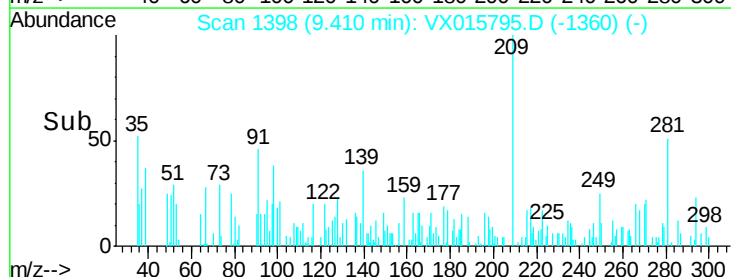
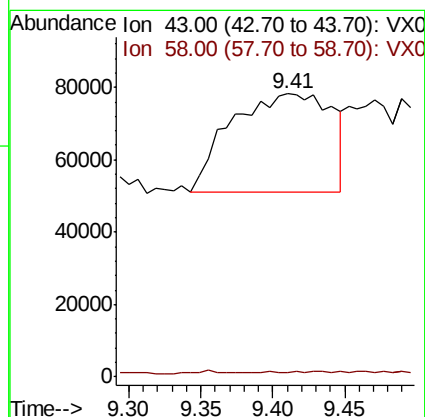
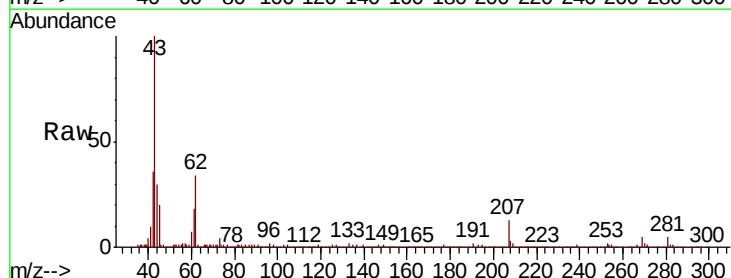
Acq: 21 Apr 2020 15:31

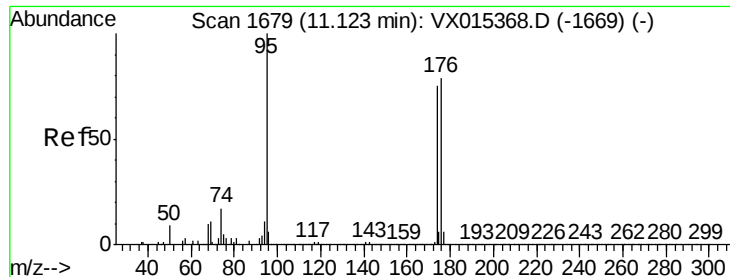
Tgt Ion: 43 Resp: 133542

Ion Ratio Lower Upper

43 100

58 0.2 25.6 76.6#





#62

4-Bromofluorobenzene

Concen: 52.864 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015795.D

Acq: 21 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER

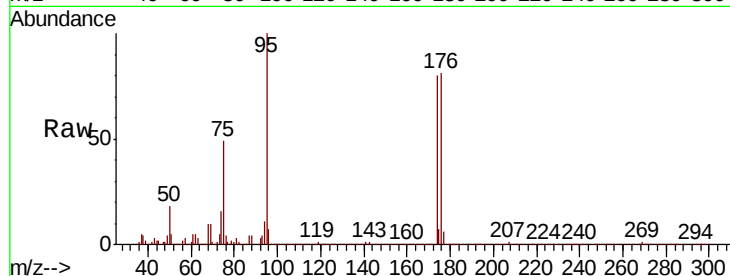
Tot Ion: 95 Resp: 787935

Ion Ratio Lower Upper

95 100

174 86.1 0.0 158.6

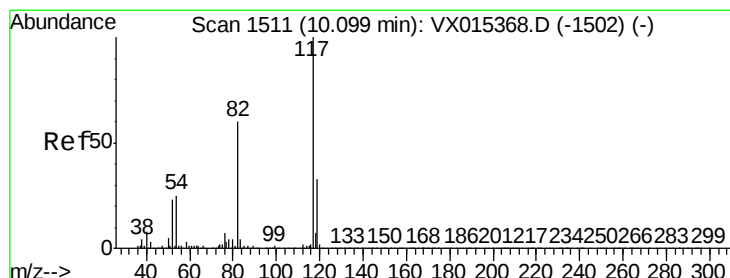
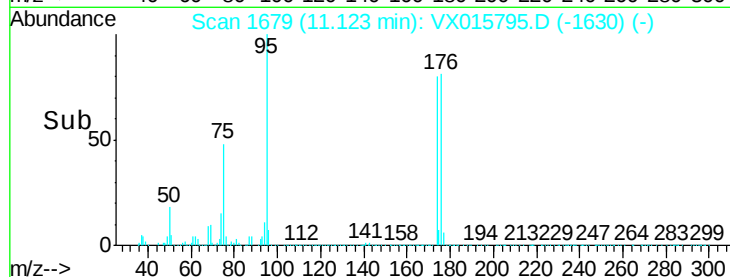
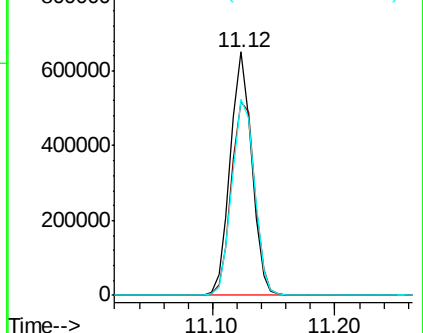
176 84.4 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015795.D

Acq: 21 Apr 2020 15:31

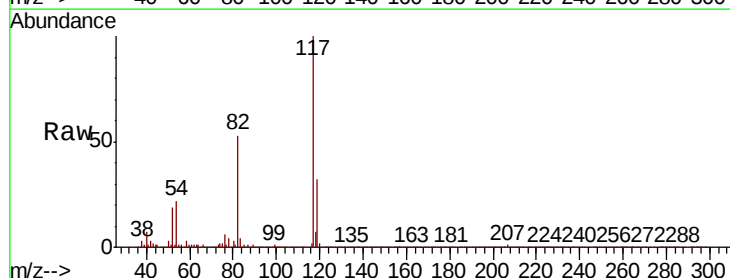
Tgt Ion: 117 Resp: 1501739

Ion Ratio Lower Upper

117 100

82 53.2 47.8 71.8

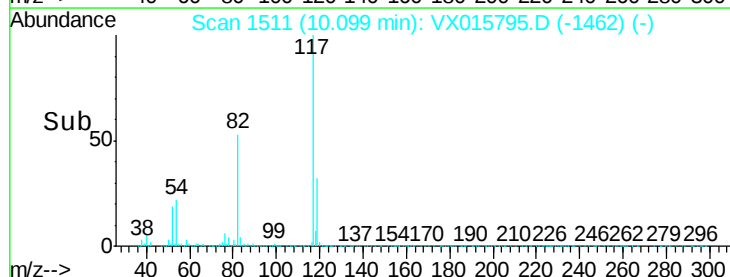
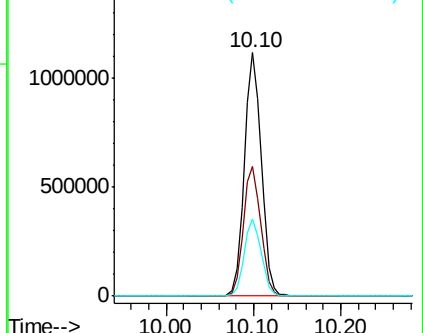
119 31.9 26.8 40.2

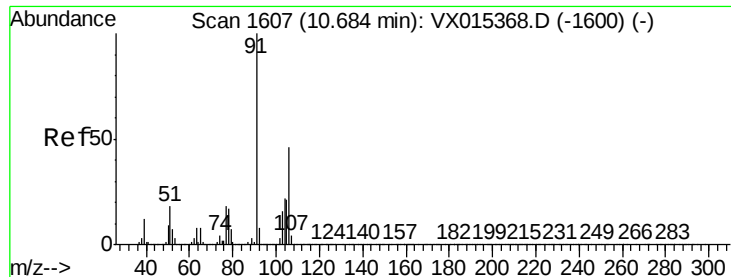


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0

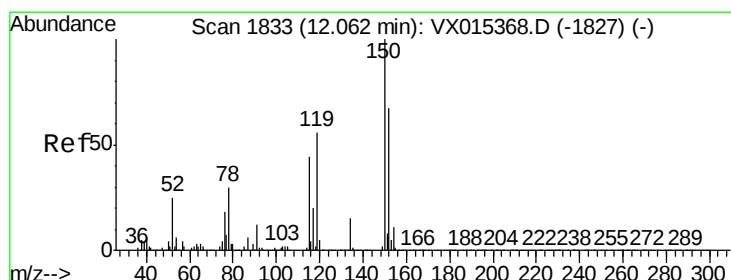
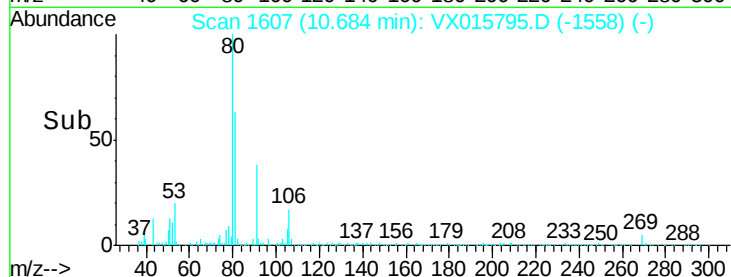
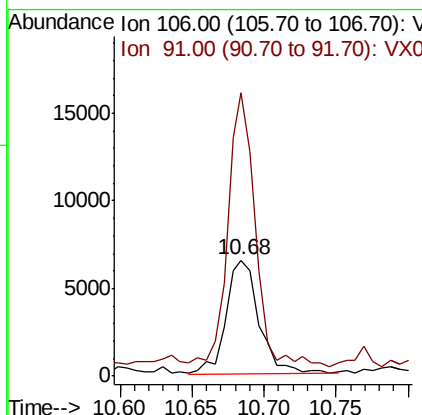
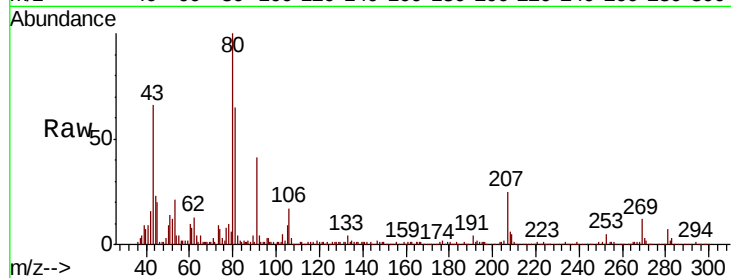




#69
o-Xylene
Concen: 0.532 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VX015795.D
Acq: 21 Apr 2020 15:31

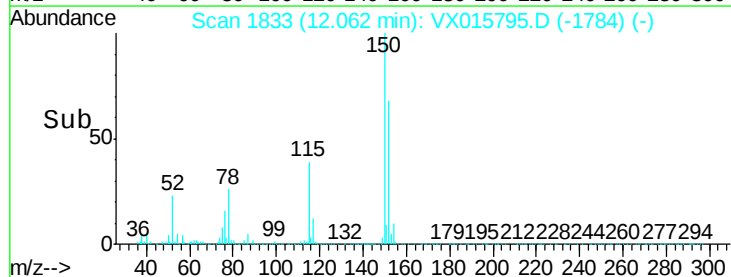
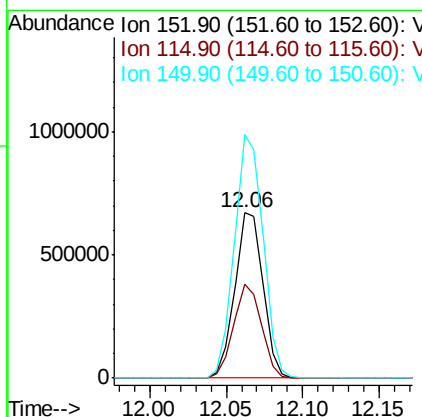
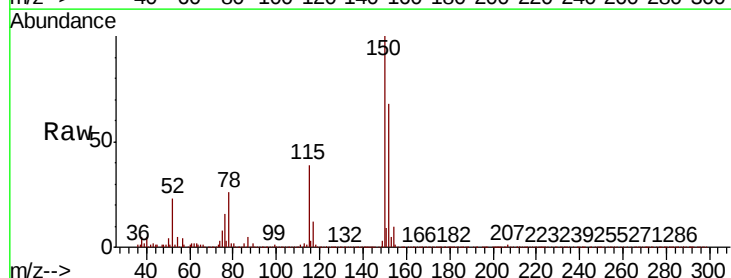
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

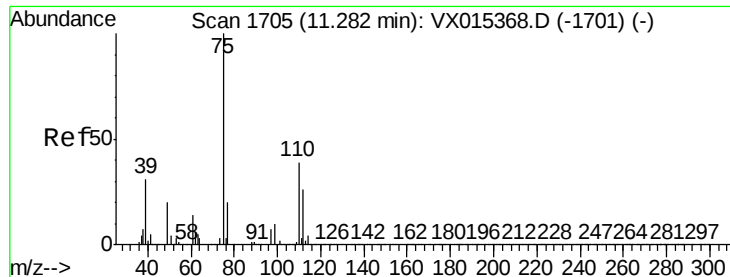
Tot Ion:106 Resp: 10407
Ion Ratio Lower Upper
106 100
91 199.5 107.1 321.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015795.D
Acq: 21 Apr 2020 15:31

Tgt Ion:152 Resp: 858510
Ion Ratio Lower Upper
152 100
115 55.7 39.0 116.9
150 149.5 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 21.774 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015795.D

Acq: 21 Apr 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

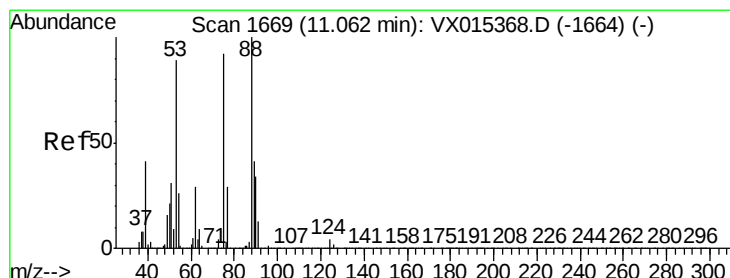
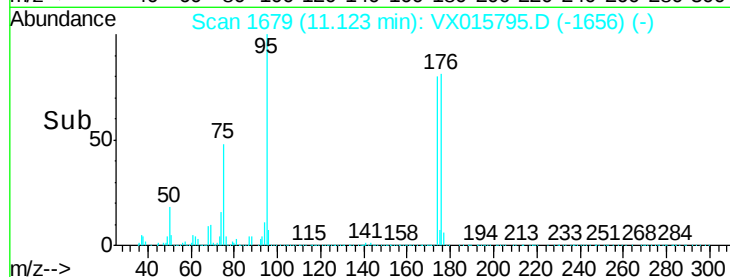
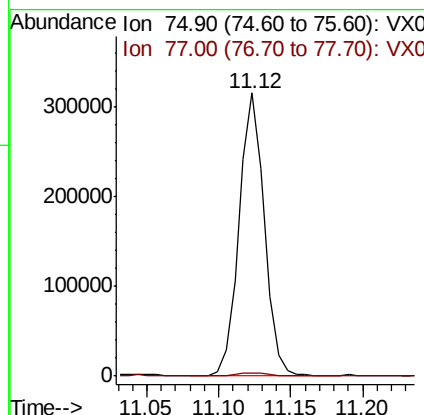
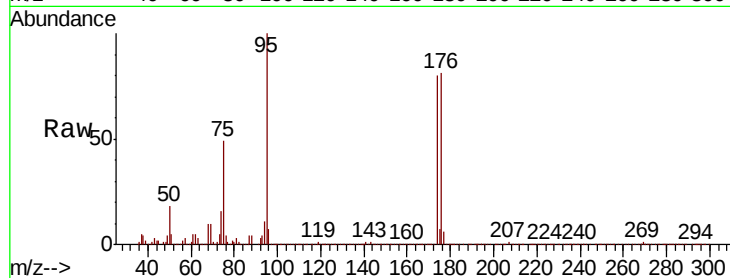
OILY-WATER

Tot Ion: 75 Resp: 384413

Ion Ratio Lower Upper

75 100

77 1.2 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.246 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015795.D

Acq: 21 Apr 2020 15:31

Tgt Ion: 75 Resp: 384413

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.4 36.1 54.1#

