

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080320\
 Data File : VX017754.D
 Acq On : 03 Aug 2020 18:49
 Operator : JC/SP
 Sample : L3512-04 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-WATER-1493

Quant Time: Aug 04 07:11:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	604404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	905018	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	842864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	421573	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	393648	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
35) Dibromofluoromethane	5.46	113	304831	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	8.70	98	1078169	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	11.12	95	403346	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	

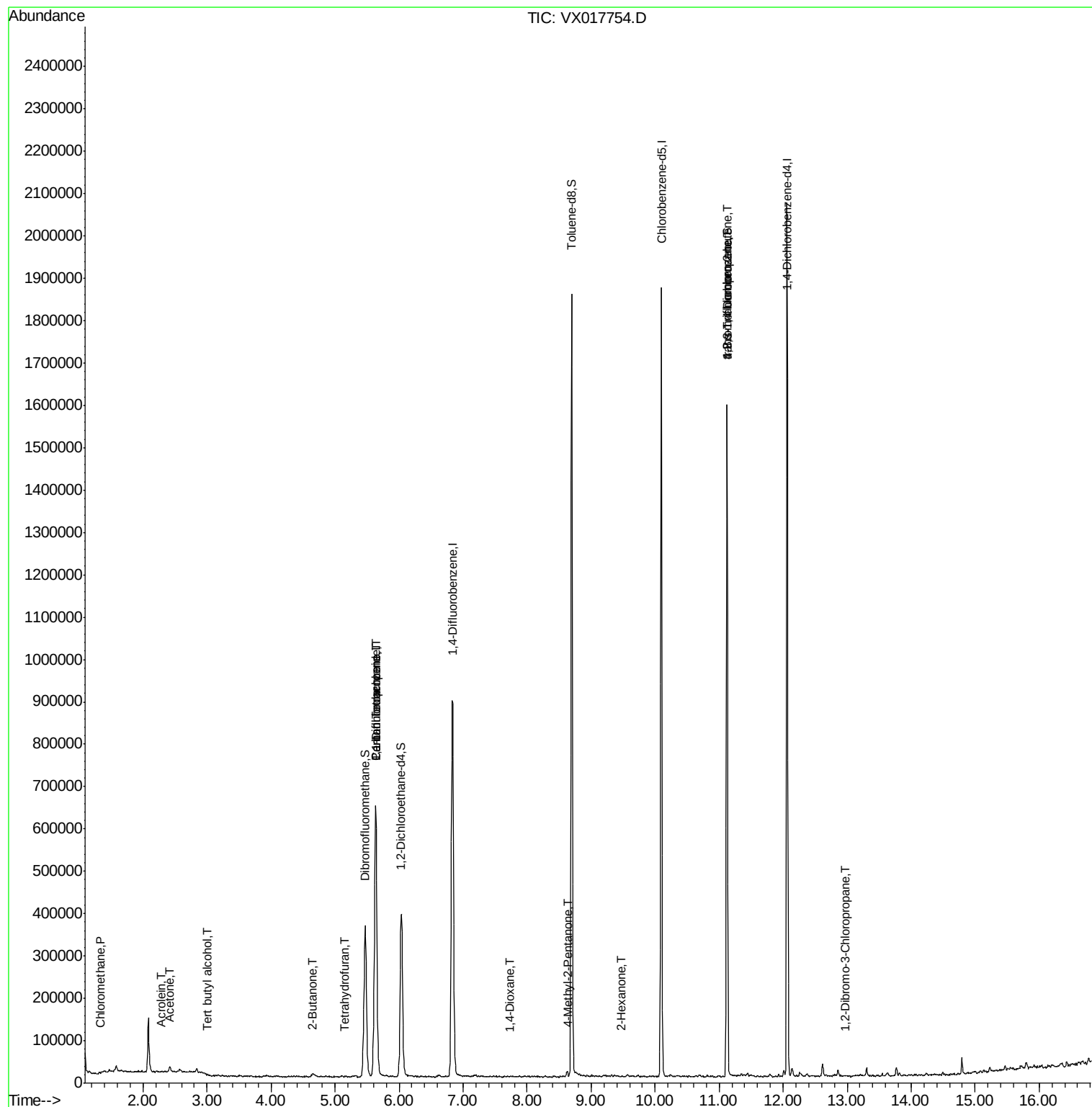
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	366	Below Cal	#	42
3) Chloromethane	1.32	50	802	0.473	ug/l #	53
5) Bromomethane	1.65	94	998	Below Cal	#	44
6) Chloroethane	1.69	64	623	Below Cal	#	55
8) Diethyl Ether	2.17	74	492	Below Cal	#	1
11) Tert butyl alcohol	3.00	59	822	0.502	ug/l #	1
13) Acrolein	2.28	56	648	4.659	ug/l #	1
16) Acetone	2.42	43	13682	4.004	ug/l	92
20) Methylene Chloride	2.84	84	3261	Below Cal	#	65
25) 2-Butanone	4.64	43	3158	0.651	ug/l #	61
29) Tetrahydrofuran	5.16	42	794	0.264	ug/l	97
36) 1,1-Dichloropropene	5.63	75	46399	5.346	ug/l #	52
38) Carbon Tetrachloride	5.64	117	60248	5.716	ug/l #	18
49) 1,4-Dioxane	7.73	88	287	1.927	ug/l #	29
51) 4-Methyl-2-Pentanone	8.63	43	7062	0.755	ug/l #	79
59) 2-Hexanone	9.48	43	1698	0.241	ug/l	85
76) 1,2,3-Trichloropropane	11.12	75	200036	23.067	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	200036	58.124	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.97	75	333	2.700	ug/l #	12

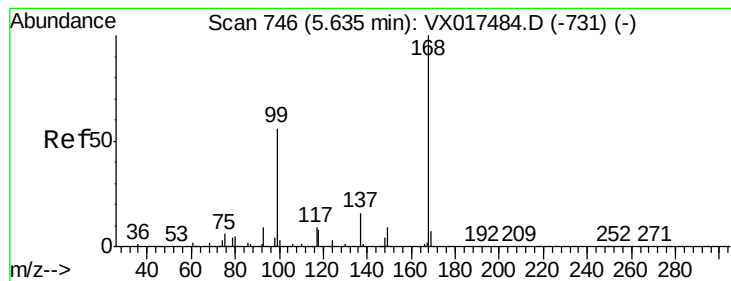
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017754.D

Acq: 03 Aug 2020 18:49

Instrument :

MSVOA_X

ClientSampleId :

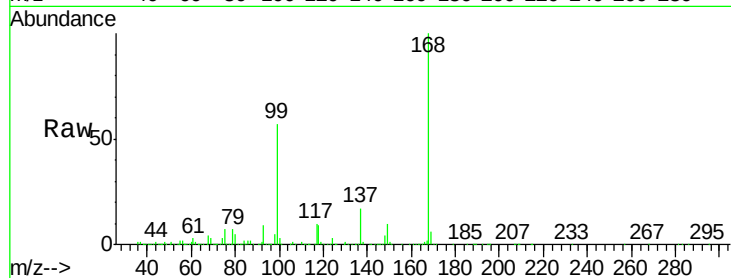
OILY-WATER-1493

Tot Ion:168 Resp: 604404

Ion Ratio Lower Upper

168 100

99 56.5 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

150000

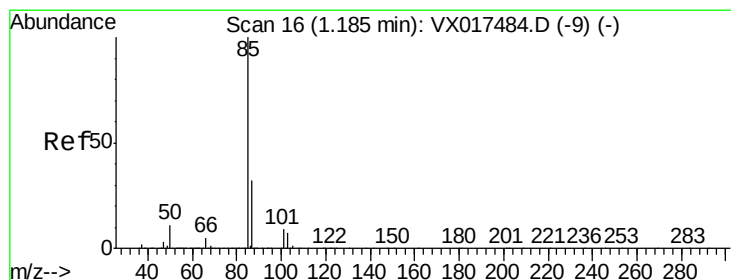
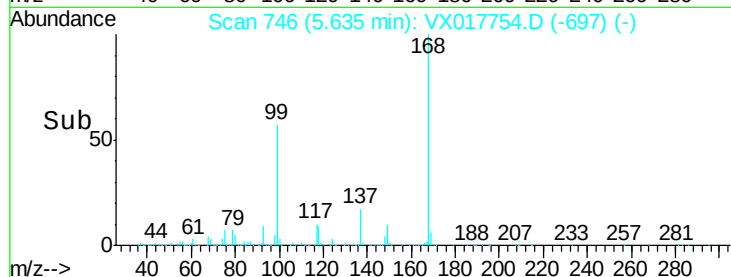
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 17

Delta R.T. 0.01 min

Lab File: VX017754.D

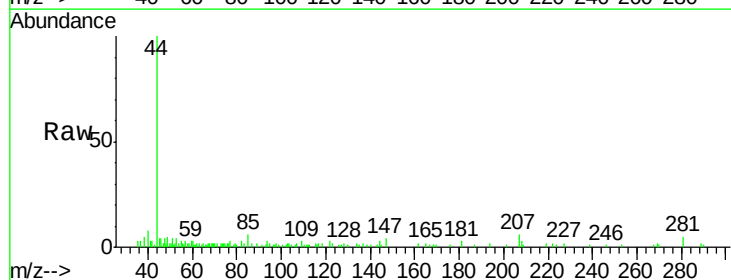
Acq: 03 Aug 2020 18:49

Tgt Ion: 85 Resp: 366

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400

300

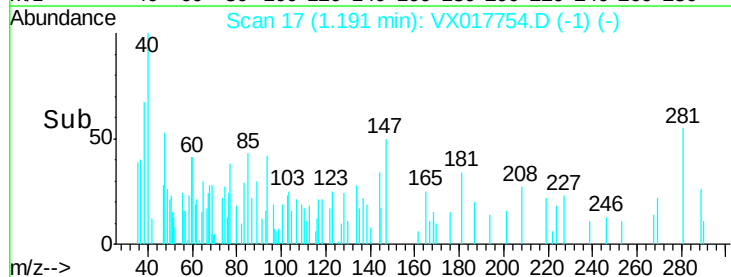
200

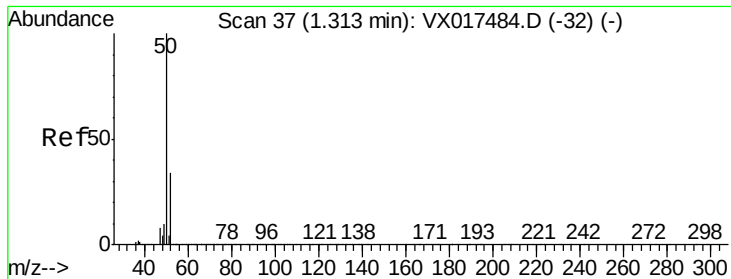
100

0

1.17 1.18 1.19 1.20 1.21

Time-->





#3

Chloromethane

Concen: 0.473 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017754.D

Acq: 03 Aug 2020 18:49

Instrument :

MSVOA_X

ClientSampleId :

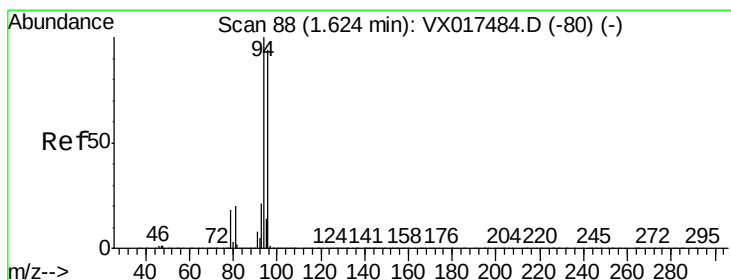
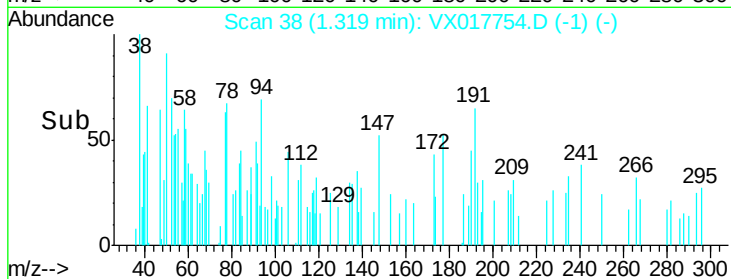
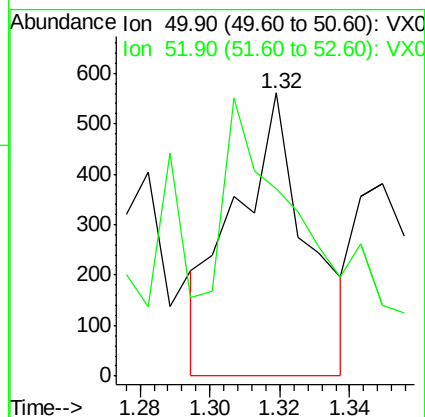
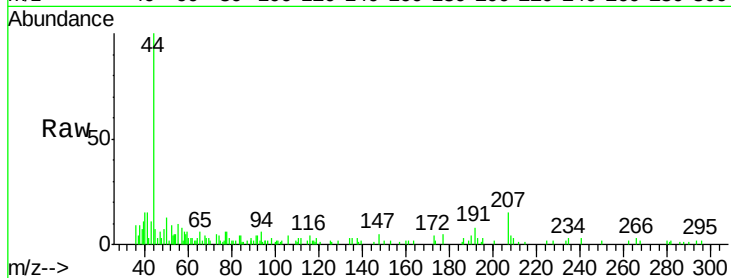
OILY-WATER-1493

Tot Ion: 50 Resp: 802

Ion Ratio Lower Upper

50 100

52 58.7 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 92

Delta R.T. 0.03 min

Lab File: VX017754.D

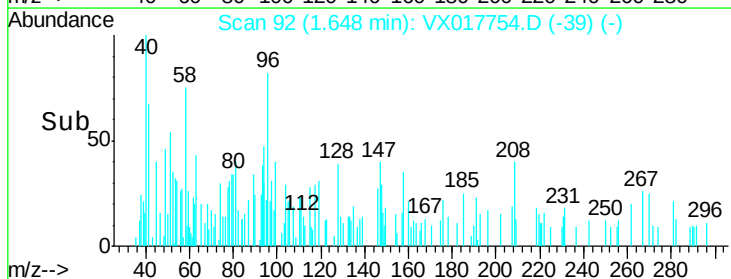
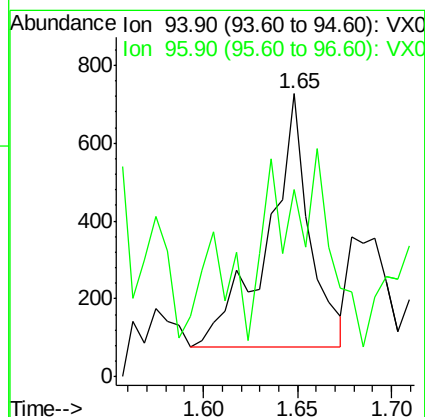
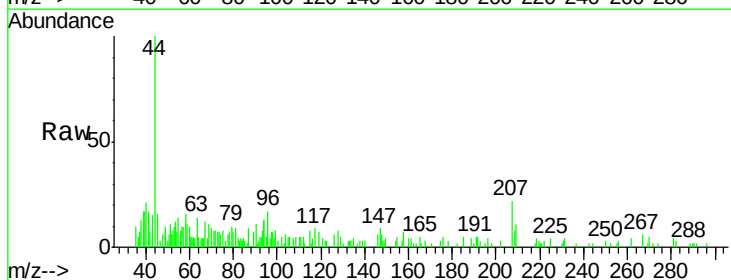
Acq: 03 Aug 2020 18:49

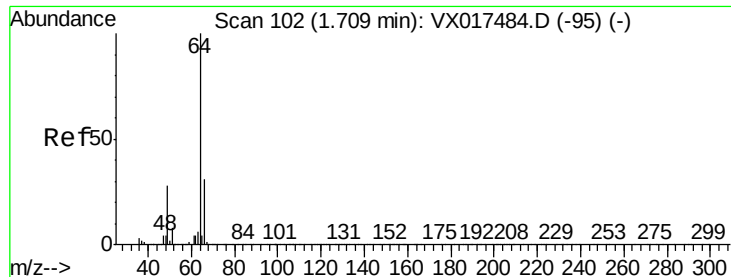
Tgt Ion: 94 Resp: 998

Ion Ratio Lower Upper

94 100

96 38.6 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 99

Delta R.T. -0.02 min

Lab File: VX017754.D

Acq: 03 Aug 2020 18:49

Instrument :

MSVOA_X

ClientSampleId :

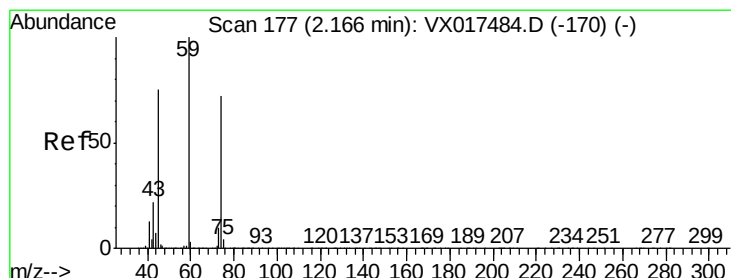
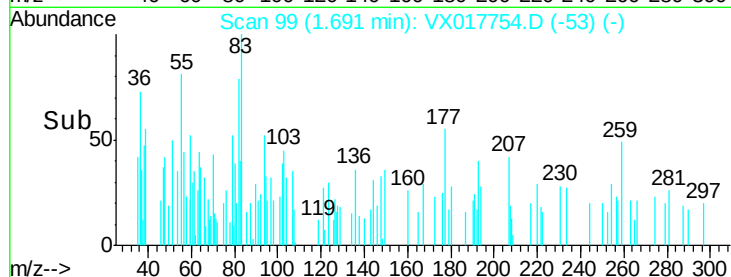
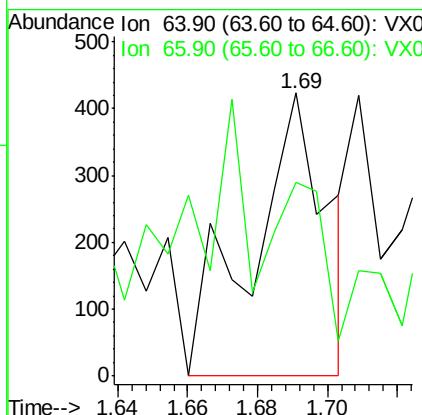
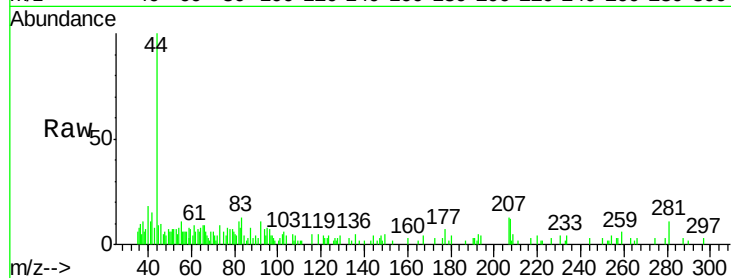
OILY-WATER-1493

Tot Ion: 64 Resp: 623

Ion Ratio Lower Upper

64 100

66 55.8 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017754.D

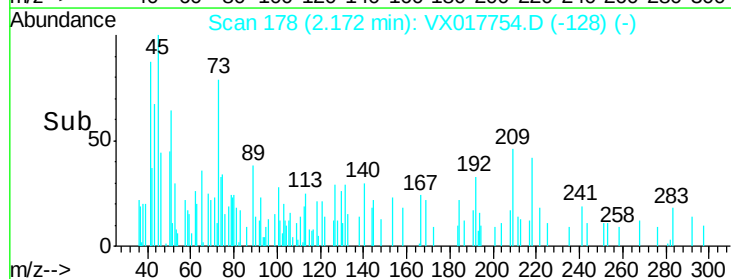
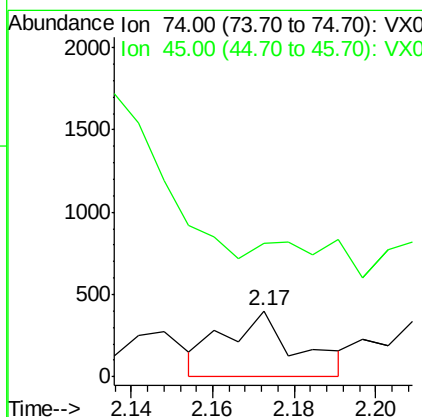
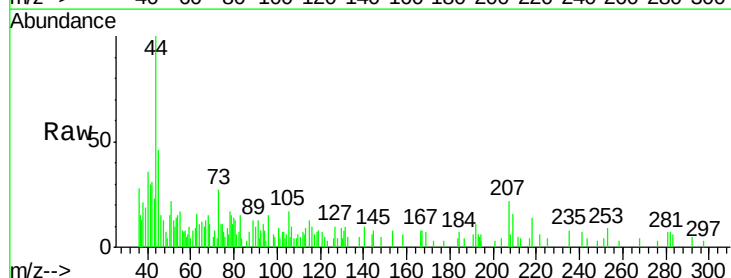
Acq: 03 Aug 2020 18:49

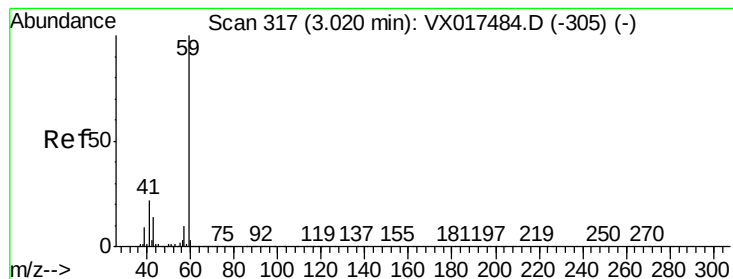
Tgt Ion: 74 Resp: 492

Ion Ratio Lower Upper

74 100

45 0.0 50.8 152.5#



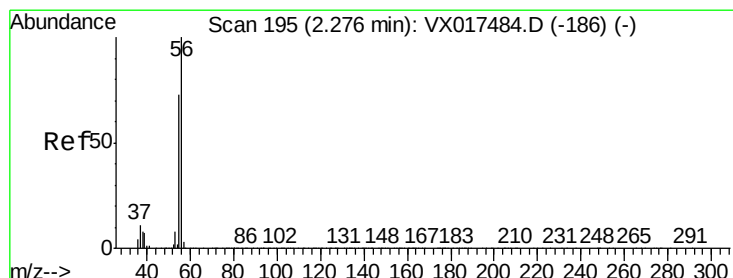
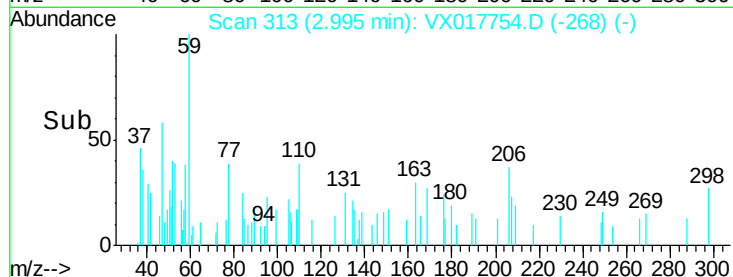
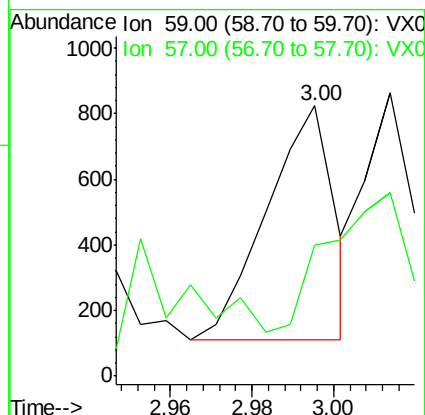
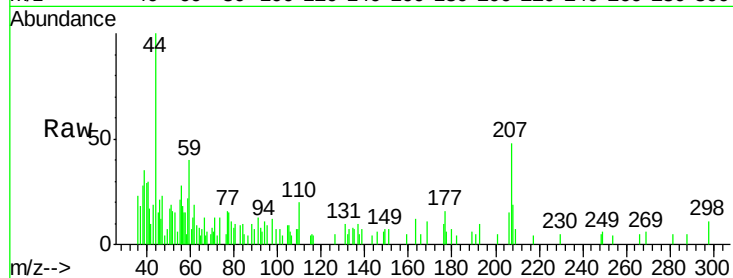


#11

Tert butyl alcohol
Concen: 0.502 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX017754.D
Acq: 03 Aug 2020 18:49

Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER-1493

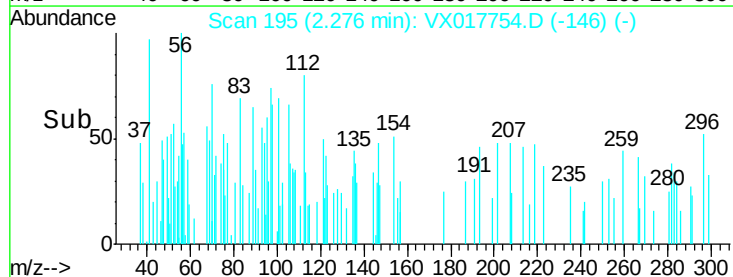
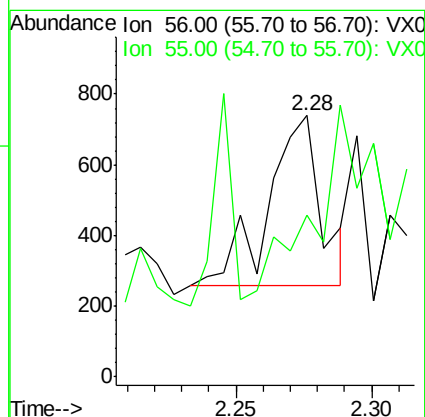
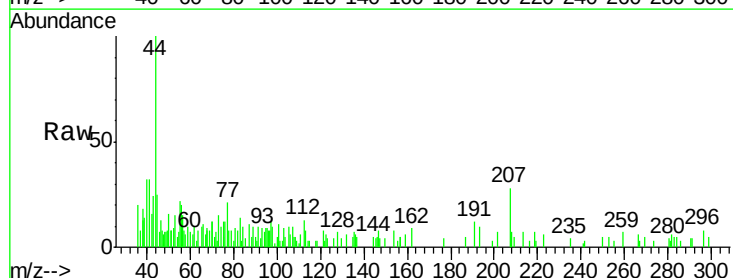
Tot Ion: 59 Resp: 822
Ion Ratio Lower Upper
59 100
57 159.9 8.6 12.8#

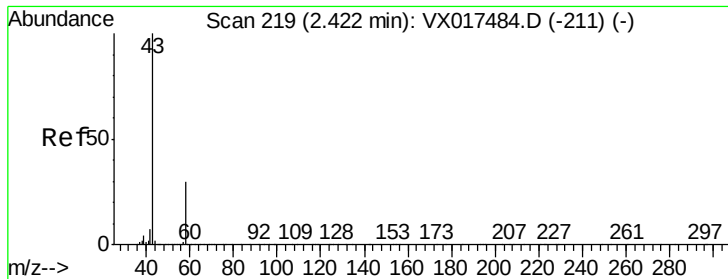


#13

Acrolein
Concen: 4.659 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.00 min
Lab File: VX017754.D
Acq: 03 Aug 2020 18:49

Tgt Ion: 56 Resp: 648
Ion Ratio Lower Upper
56 100
55 194.3 57.4 86.2#

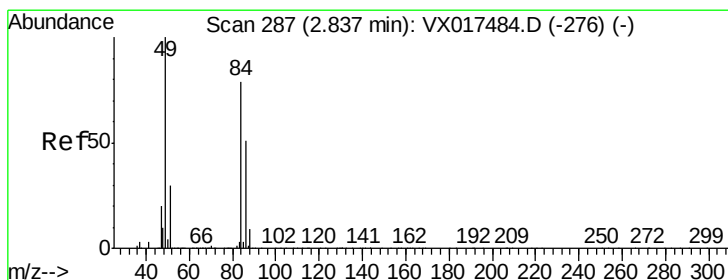
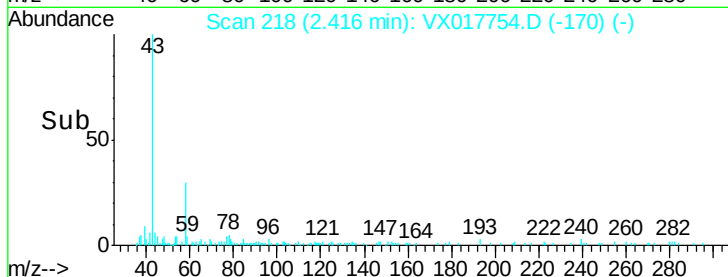
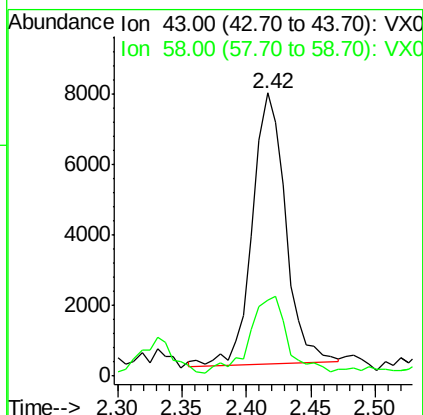
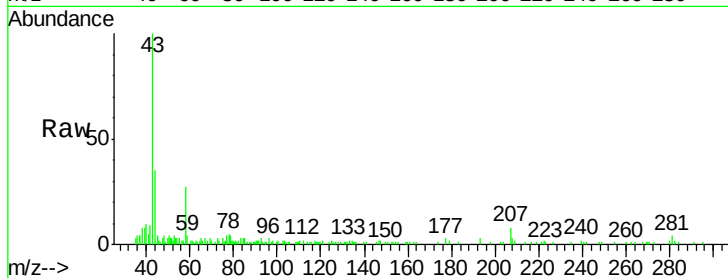




#16
Acetone
Concen: 4.004 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017754.D
Acq: 03 Aug 2020 18:49

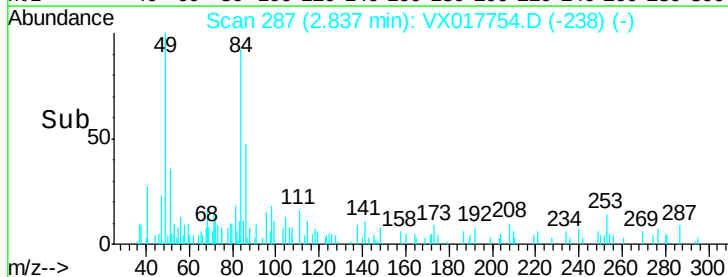
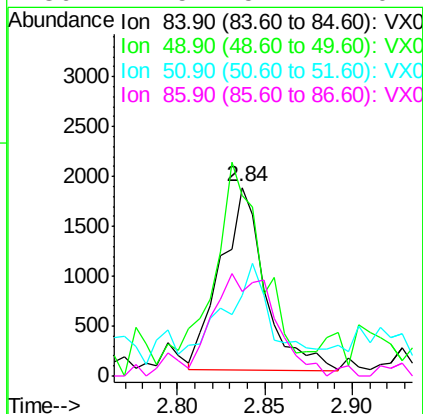
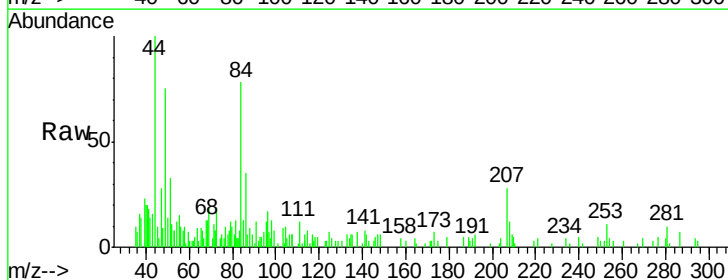
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER-1493

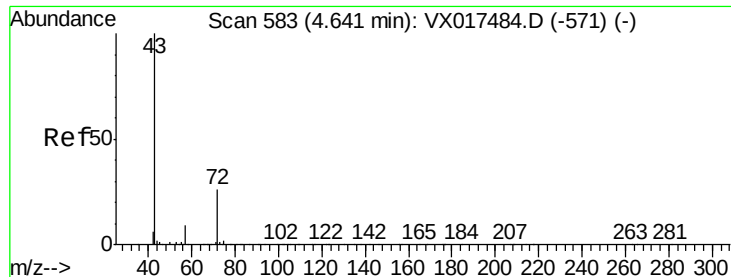
Tot Ion: 43 Resp: 13682
Ion Ratio Lower Upper
43 100
58 25.9 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017754.D
Acq: 03 Aug 2020 18:49

Tgt Ion: 84 Resp: 3261
Ion Ratio Lower Upper
84 100
49 75.1 100.3 150.5#
51 27.2 30.5 45.7#
86 42.5 51.1 76.7#





#25

2-Butanone

Concen: 0.651 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX017754.D

Acq: 03 Aug 2020 18:49

Instrument :

MSVOA_X

ClientSampleId :

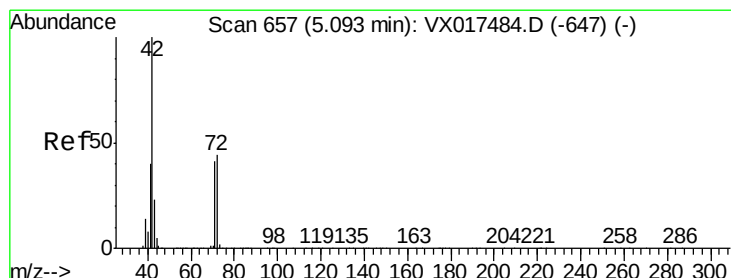
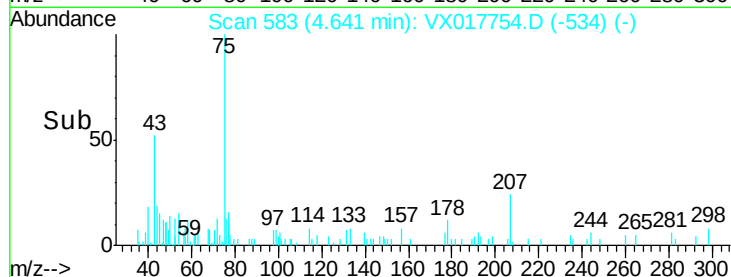
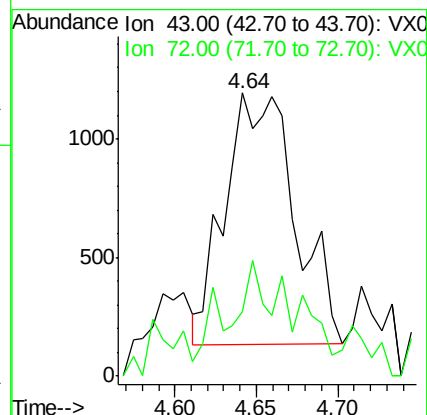
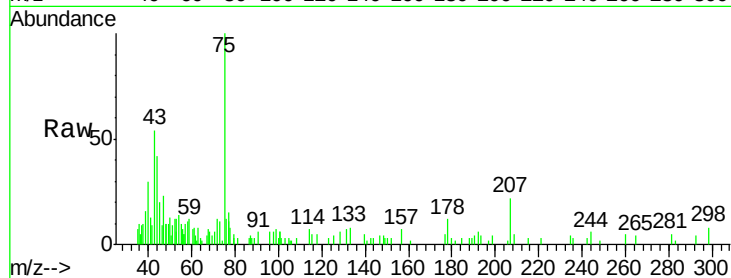
OILY-WATER-1493

Tot Ion: 43 Resp: 3158

Ion Ratio Lower Upper

43 100

72 43.0 19.0 28.4#



#29

Tetrahydrofuran

Concen: 0.264 ug/l

RT: 5.16 min Scan# 668

Delta R.T. 0.07 min

Lab File: VX017754.D

Acq: 03 Aug 2020 18:49

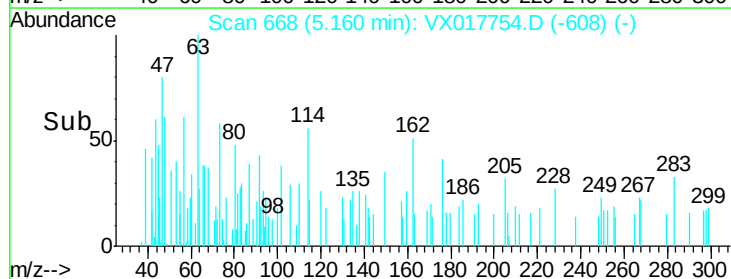
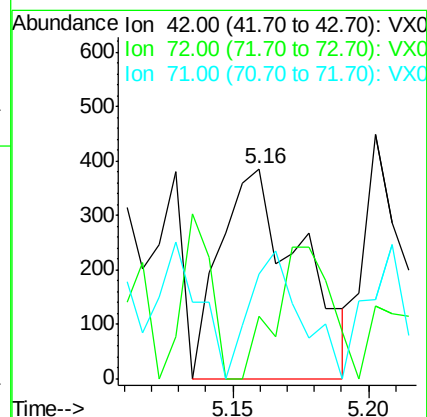
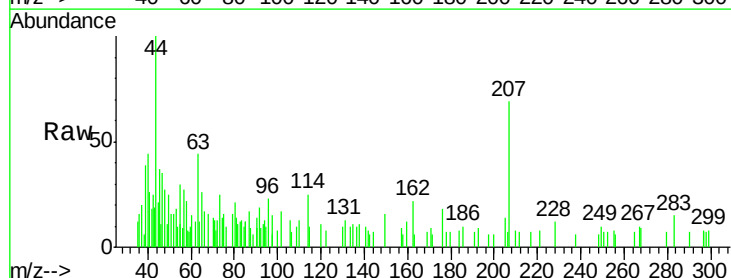
Tgt Ion: 42 Resp: 794

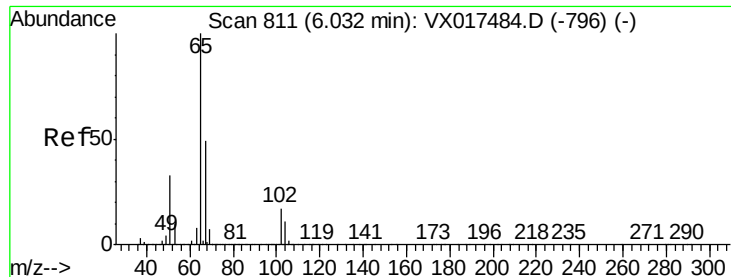
Ion Ratio Lower Upper

42 100

72 43.2 35.5 53.3

71 38.4 33.0 49.4





#33

1,2-Dichloroethane-d4

Concen: 50.703 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017754.D

Acq: 03 Aug 2020 18:49

Instrument :

MSVOA_X

ClientSampleId :

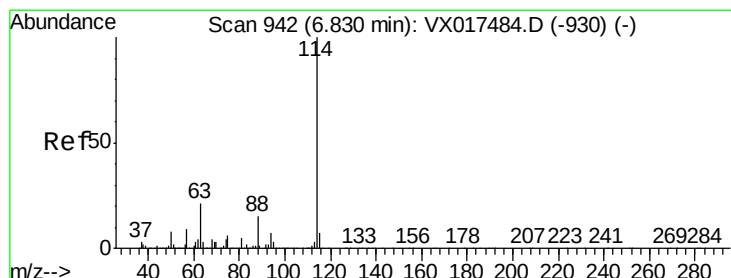
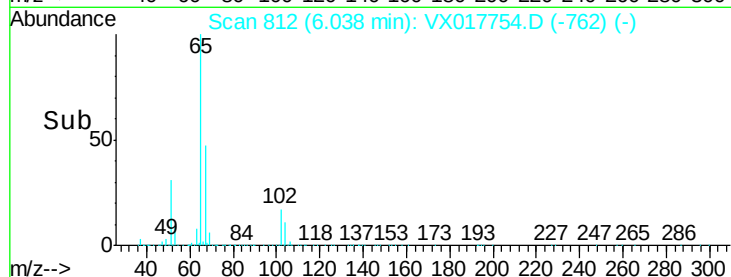
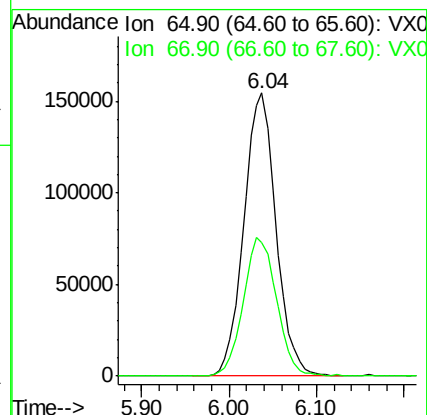
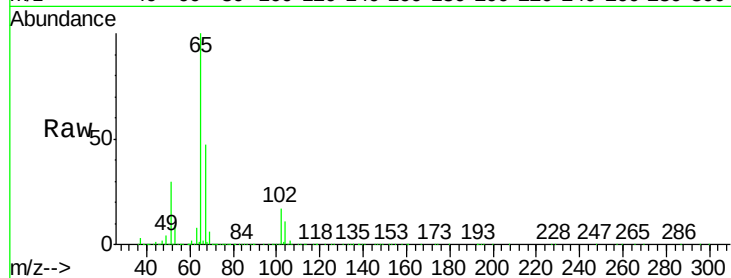
OILY-WATER-1493

Tot Ion: 65 Resp: 393648

Ion Ratio Lower Upper

65 100

67 50.7 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017754.D

Acq: 03 Aug 2020 18:49

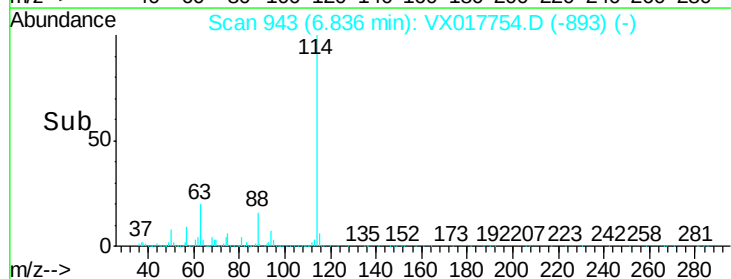
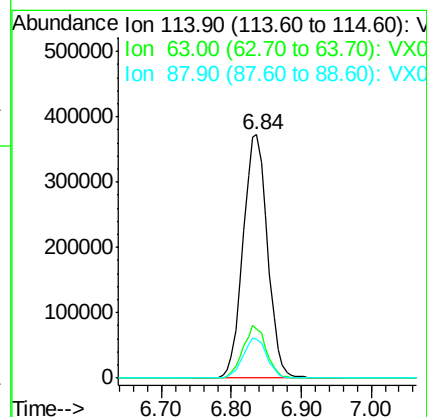
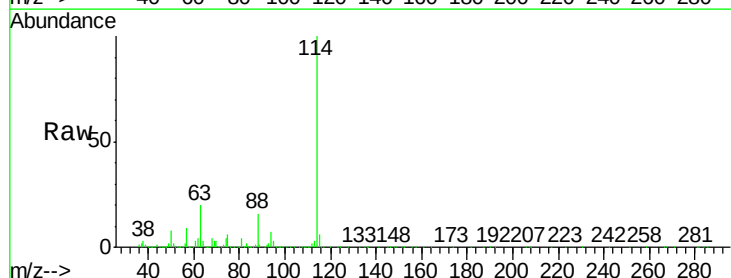
Tgt Ion: 114 Resp: 905018

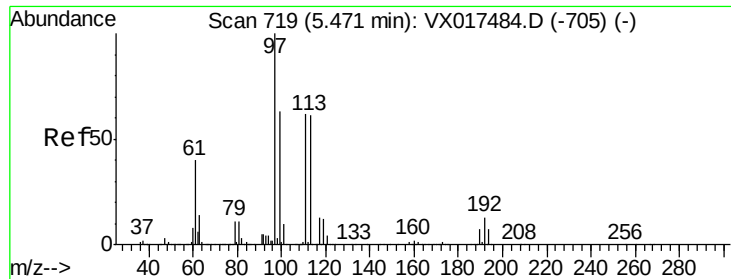
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.6

88 16.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.362 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017754.D

Acq: 03 Aug 2020 18:49

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER-1493

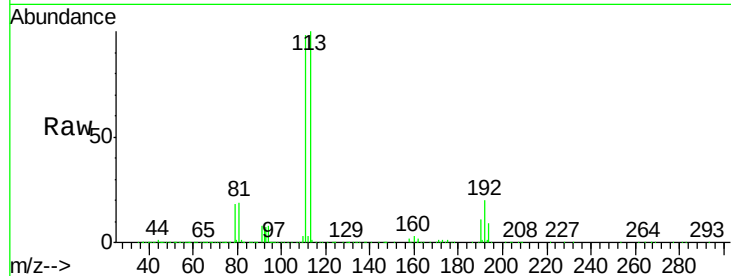
Tot Ion:113 Resp: 304831

Ion Ratio Lower Upper

113 100

111 102.4 80.7 121.1

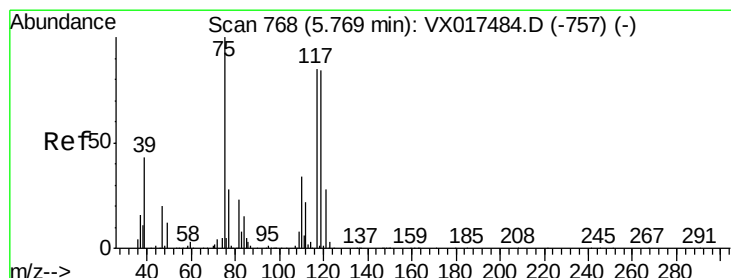
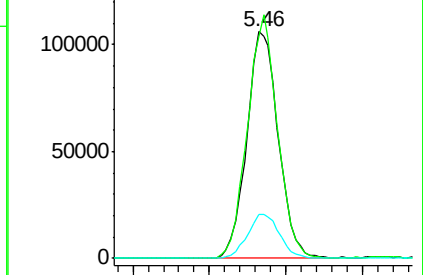
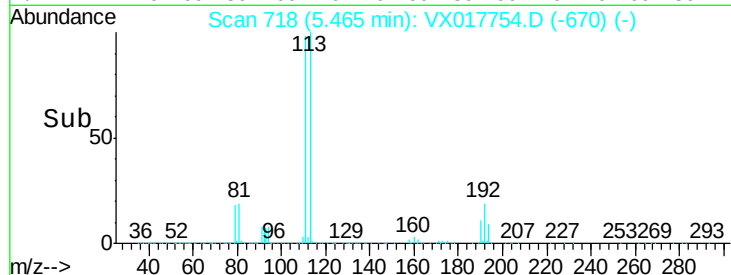
192 19.7 16.9 25.3



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: 5.346 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017754.D

Acq: 03 Aug 2020 18:49

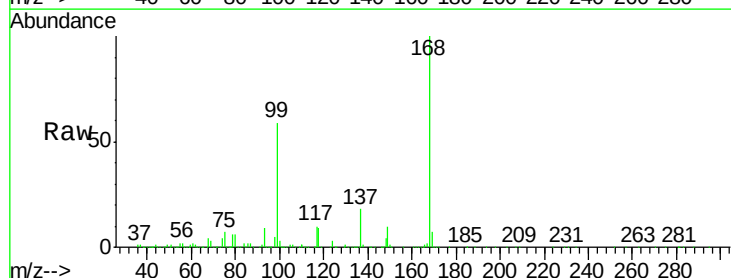
Tgt Ion: 75 Resp: 46399

Ion Ratio Lower Upper

75 100

110 11.8 18.1 54.3#

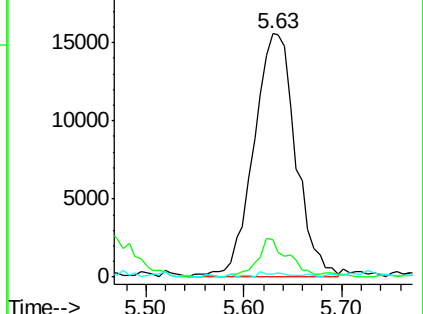
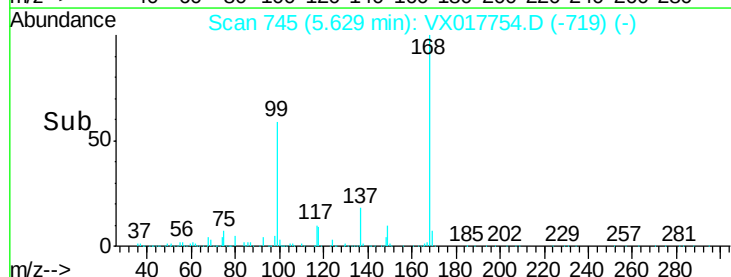
77 0.1 24.6 37.0#

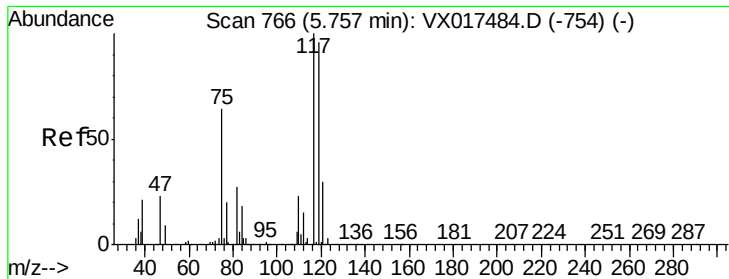


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.716 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017754.D

Acq: 03 Aug 2020 18:49

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER-1493

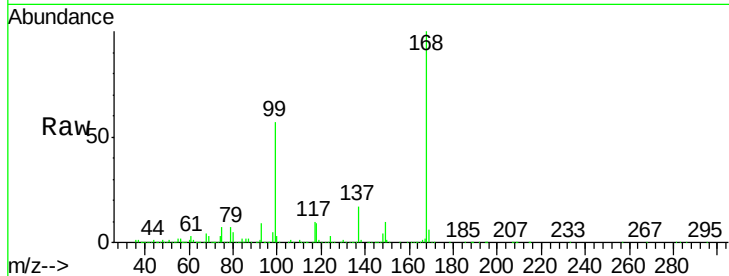
Tot Ion:117 Resp: 60248

Ion Ratio Lower Upper

117 100

119 7.3 75.4 113.0#

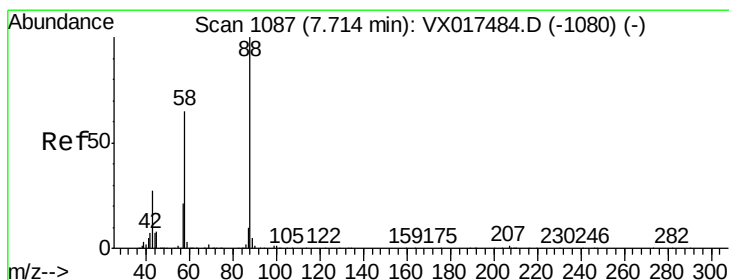
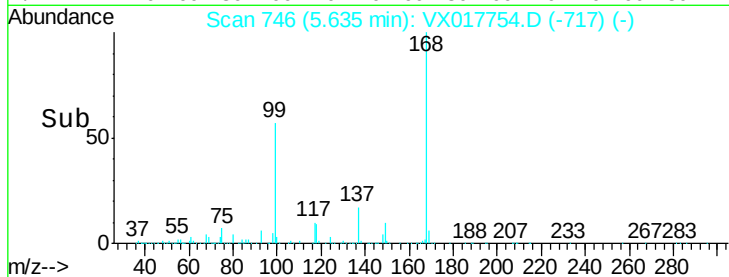
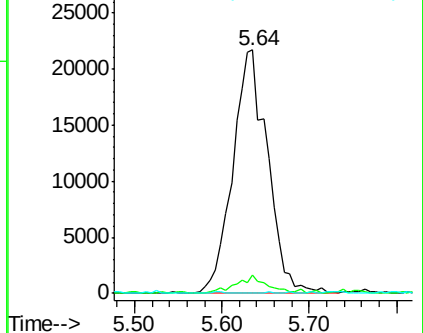
121 0.0 24.3 36.5#



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: 1.927 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX017754.D

Acq: 03 Aug 2020 18:49

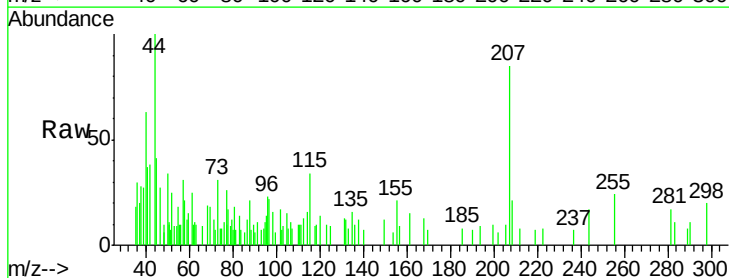
Tgt Ion: 88 Resp: 287

Ion Ratio Lower Upper

88 100

43 56.4 27.8 41.6#

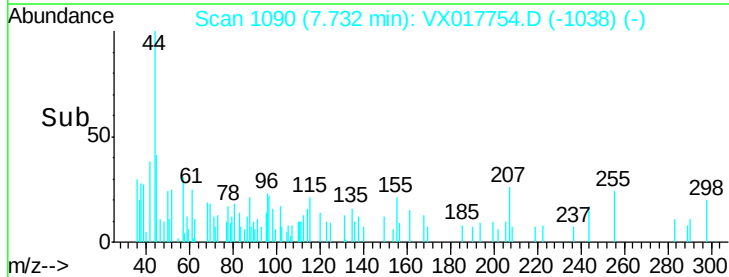
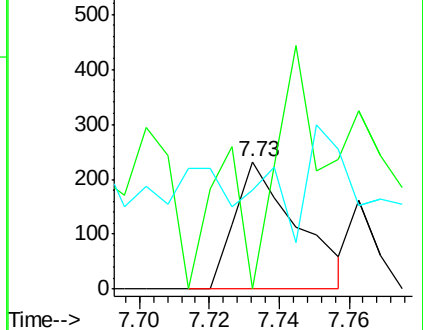
58 0.0 58.3 87.5#

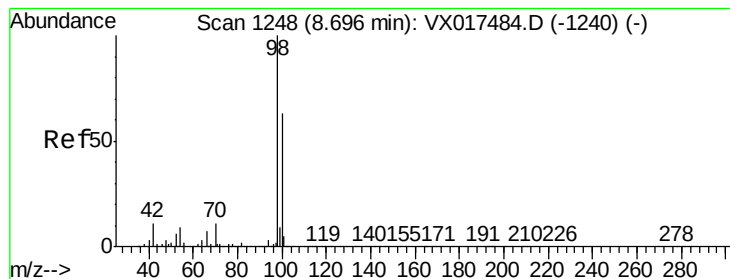


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.377 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017754.D

Acq: 03 Aug 2020 18:49

Instrument :

MSVOA_X

ClientSampleId :

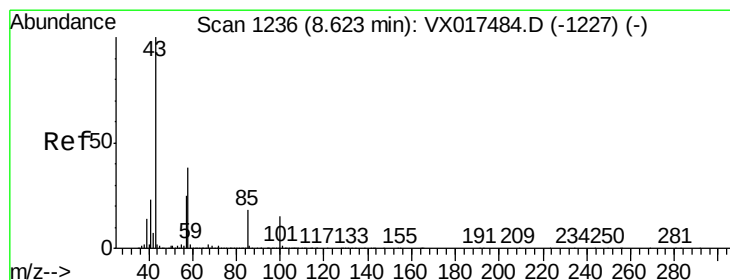
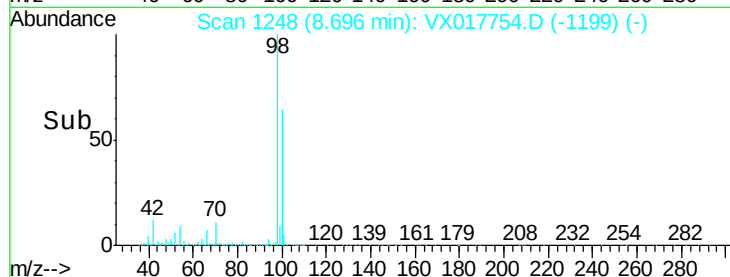
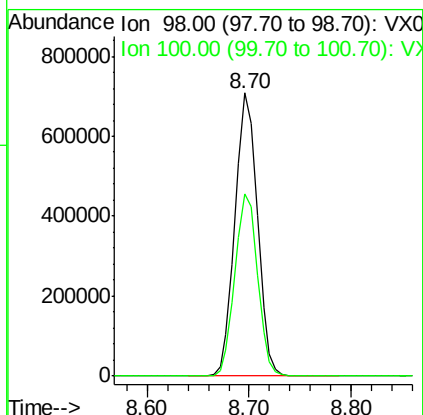
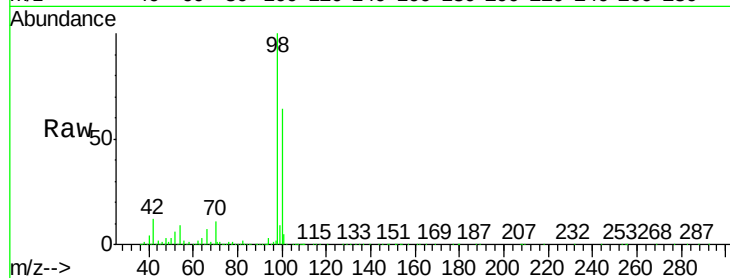
OILY-WATER-1493

Tot Ion: 98 Resp: 1078169

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 0.755 ug/l

RT: 8.63 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VX017754.D

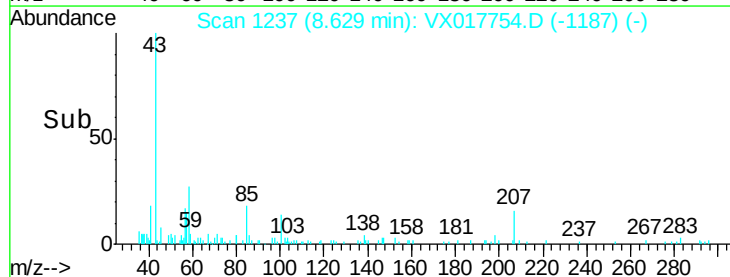
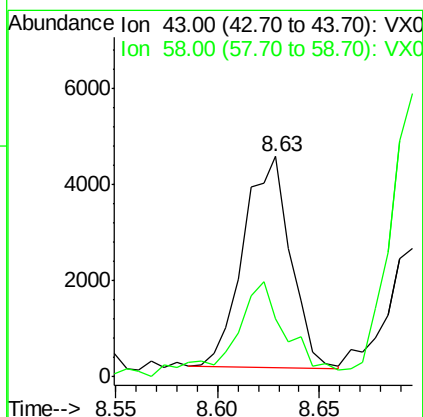
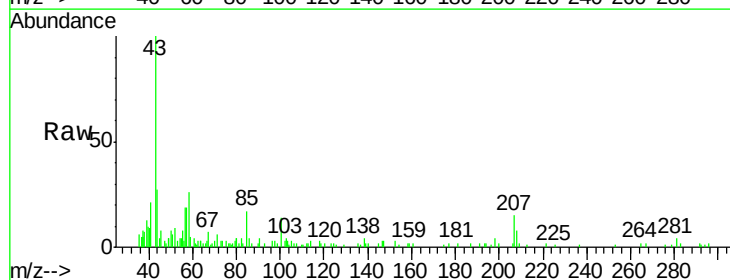
Acq: 03 Aug 2020 18:49

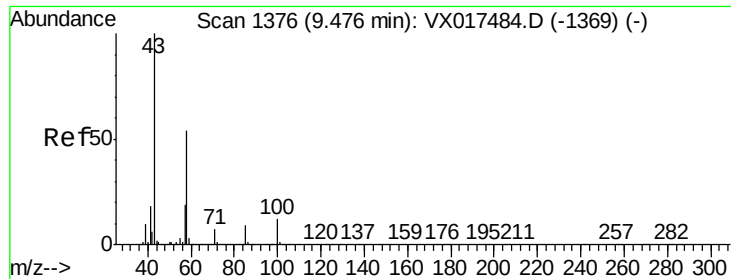
Tgt Ion: 43 Resp: 7062

Ion Ratio Lower Upper

43 100

58 51.2 31.0 46.4#

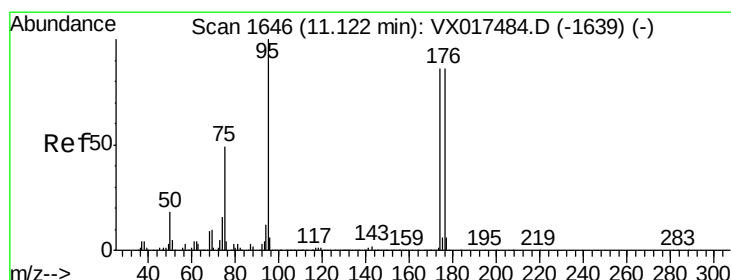
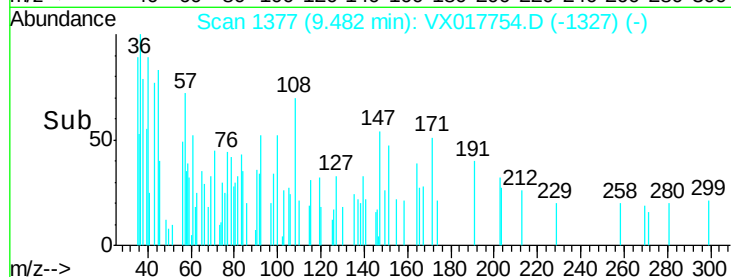
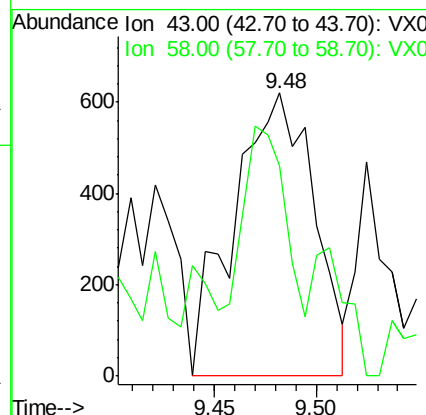
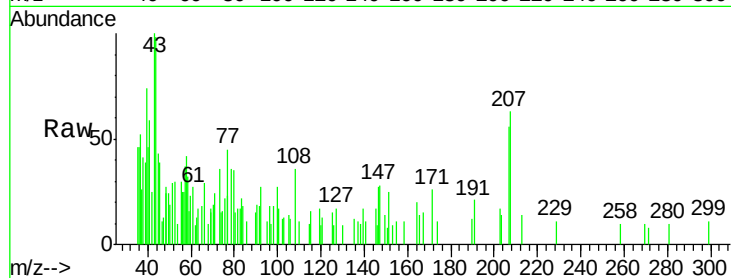




#59
2-Hexanone
Concen: 0.241 ug/l
RT: 9.48 min Scan# 1377
Delta R.T. 0.01 min
Lab File: VX017754.D
Acq: 03 Aug 2020 18:49

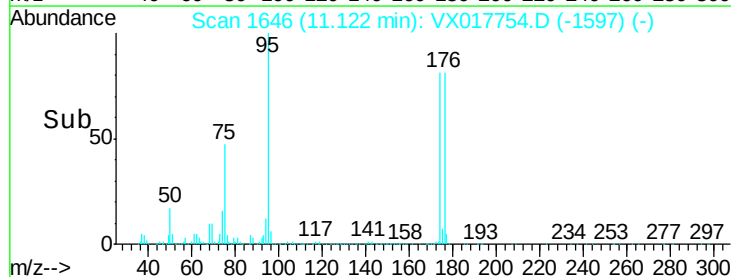
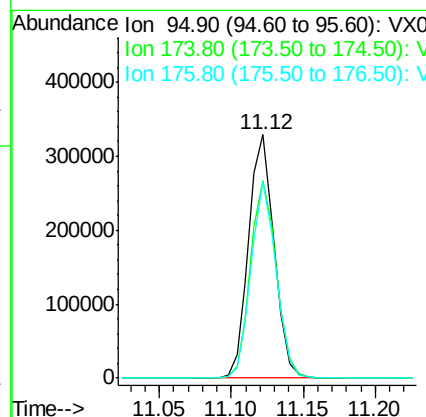
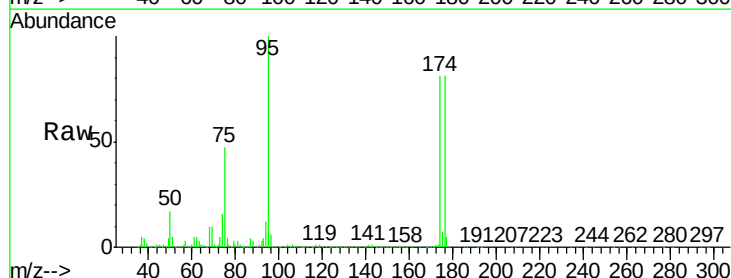
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER-1493

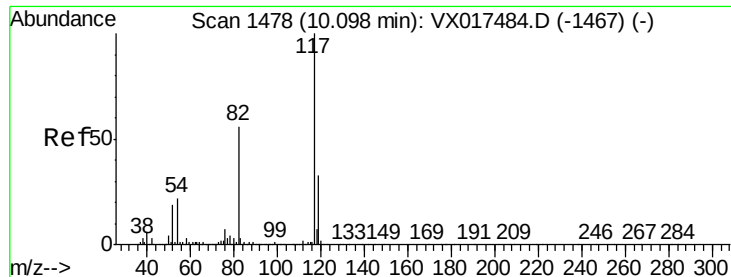
Tot Ion: 43 Resp: 1698
Ion Ratio Lower Upper
43 100
58 42.5 26.6 79.8



#62
4-Bromofluorobenzene
Concen: 46.157 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017754.D
Acq: 03 Aug 2020 18:49

Tgt Ion: 95 Resp: 403346
Ion Ratio Lower Upper
95 100
174 82.1 0.0 169.0
176 78.8 0.0 161.0

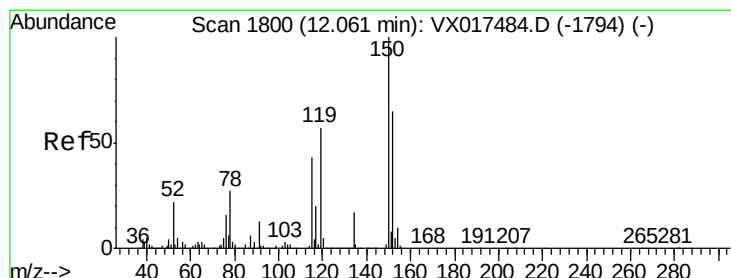
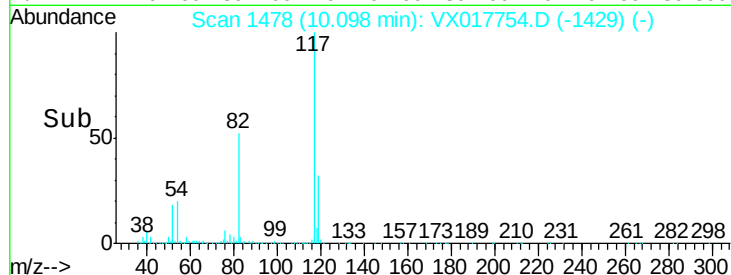
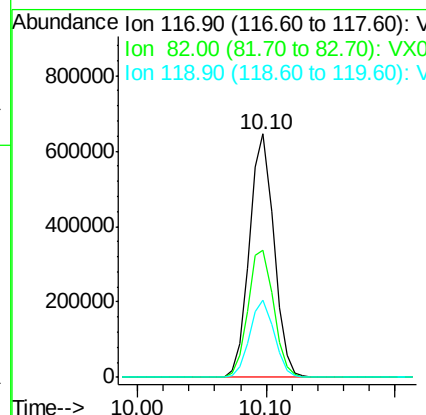
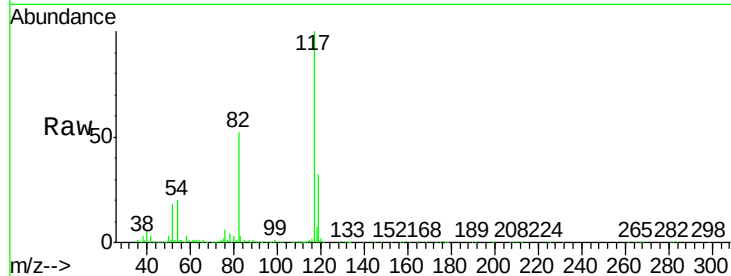




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017754.D
Acq: 03 Aug 2020 18:49

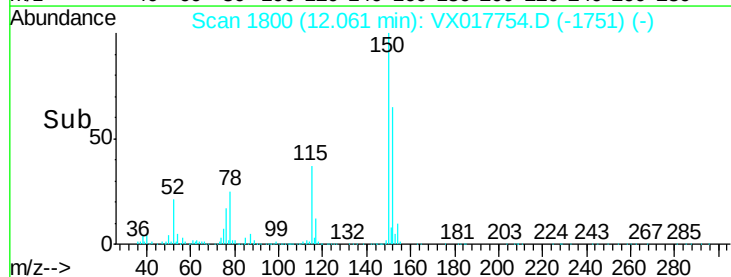
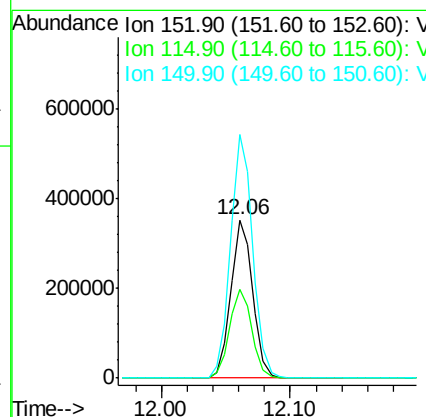
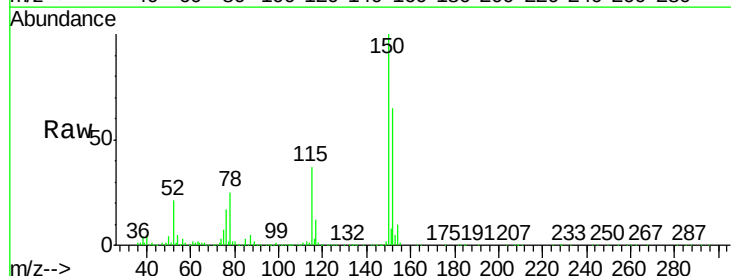
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER-1493

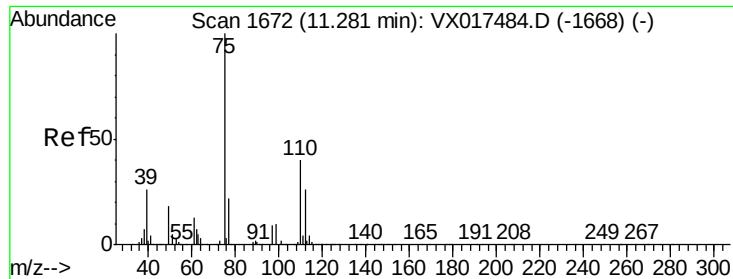
Tot Ion:117 Resp: 842864
Ion Ratio Lower Upper
117 100
82 52.4 44.0 66.0
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017754.D
Acq: 03 Aug 2020 18:49

Tgt Ion:152 Resp: 421573
Ion Ratio Lower Upper
152 100
115 57.4 65.5 196.6#
150 156.0 0.0 412.6





#76

1,2,3-Trichloropropane

Concen: 23.067 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017754.D

Acq: 03 Aug 2020 18:49

Instrument :

MSVOA_X

ClientSampleId :

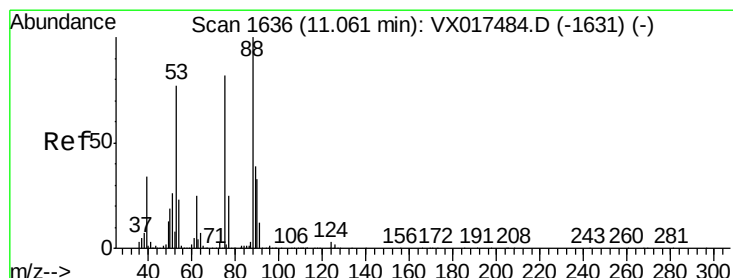
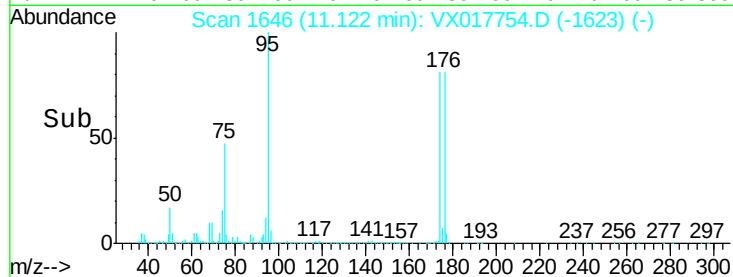
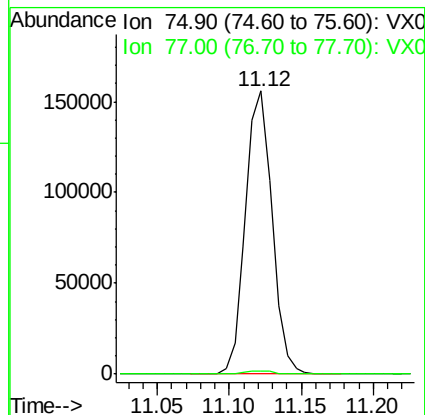
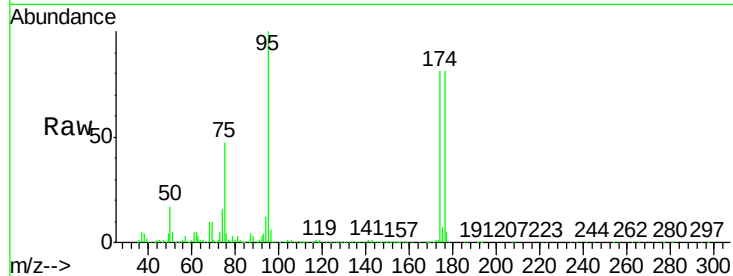
OILY-WATER-1493

Tot Ion: 75 Resp: 200036

Ion Ratio Lower Upper

75 100

77 1.4 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.124 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017754.D

Acq: 03 Aug 2020 18:49

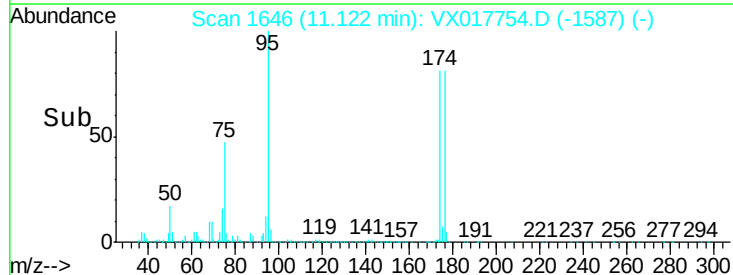
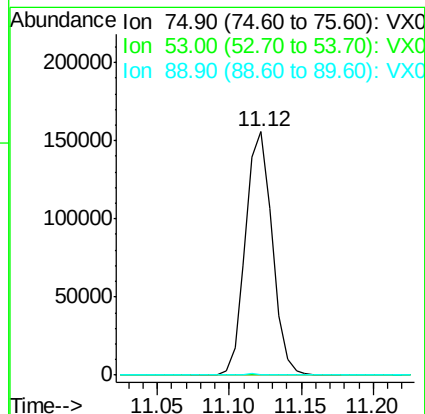
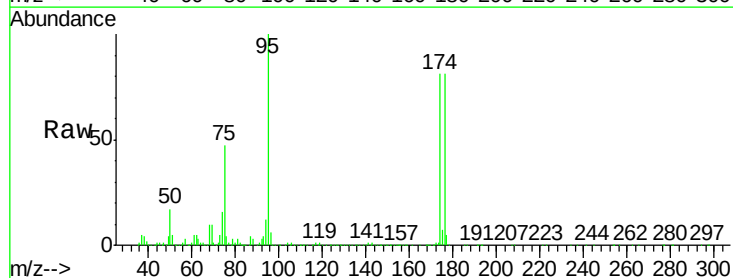
Tgt Ion: 75 Resp: 200036

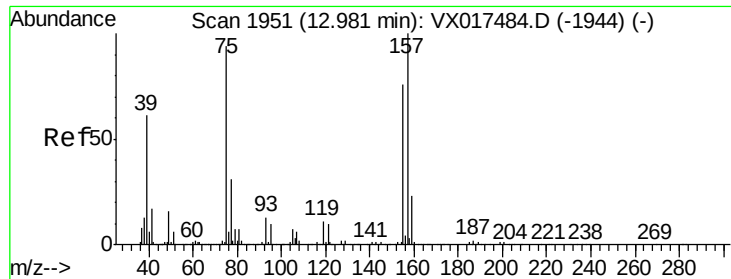
Ion Ratio Lower Upper

75 100

53 0.5 75.9 113.9#

89 0.2 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.700 ug/l

RT: 12.97 min Scan# 1949

Delta R.T. -0.01 min

Lab File: VX017754.D

Acq: 03 Aug 2020 18:49

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER-1493

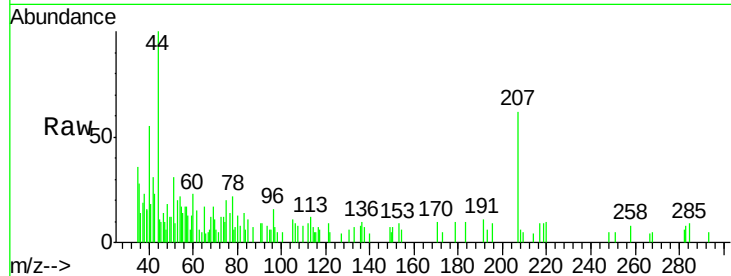
Tot Ion: 75 Resp: 333

Ion Ratio Lower Upper

75 100

155 0.0 42.3 126.8#

157 20.4 54.3 162.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

