

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042120\
 Data File : VX015793.D
 Acq On : 21 Apr 2020 14:46
 Operator : JC/SP
 Sample : L2279-07 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-WATER

Quant Time: Apr 21 16:19:56 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	1091439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1561223	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1463485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	831260	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	584400	37.96	ug/l	0.00
Spiked Amount			Recovery	=	75.92%	
35) Dibromofluoromethane	5.47	113	482480	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
50) Toluene-d8	8.70	98	1895132	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
62) 4-Bromofluorobenzene	11.12	95	768048	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	

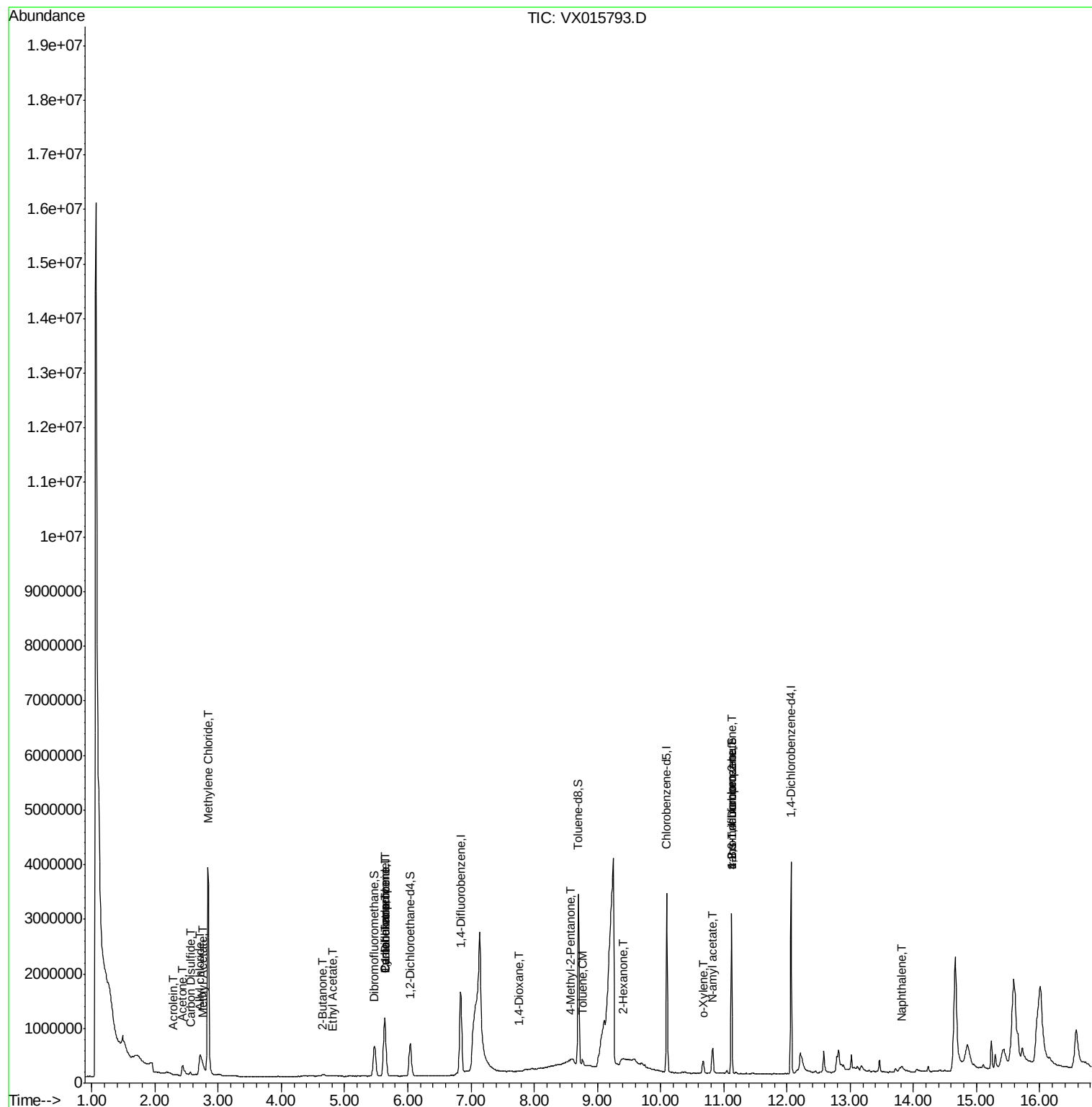
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	675	Below Cal	#	74
13) Acrolein	2.29	56	1733	0.826	ug/l #	14
14) Allyl chloride	2.71	41	821104	34.103	ug/l #	46
16) Acetone	2.44	43	458031	69.258	ug/l	94
17) Carbon Disulfide	2.56	76	67622	2.151	ug/l	100
18) Methyl Acetate	2.76	43	18425	1.092	ug/l #	86
20) Methylene Chloride	2.84	84	1699107	137.547	ug/l	95
25) 2-Butanone	4.65	43	72467	6.814	ug/l	94
31) Cyclohexane	5.63	56	18815	0.966	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	72496	5.040	ug/l #	53
37) Ethyl Acetate	4.81	43	4959	0.265	ug/l #	77
38) Carbon Tetrachloride	5.64	117	95672	6.141	ug/l #	16
49) 1,4-Dioxane	7.76	88	9307	31.590	ug/l #	40
51) 4-Methyl-2-Pentanone	8.57	43	19752	1.102	ug/l #	47
52) Toluene	8.77	92	42562	1.638	ug/l	98
59) 2-Hexanone	9.41	43	165886	12.262	ug/l #	27
69) o-Xylene	10.68	106	3970	0.208	ug/l	78
74) N-amyl acetate	10.82	43	612301	20.213	ug/l #	50
76) 1,2,3-Trichloropropane	11.12	75	377306	22.072	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	377306	52.961	ug/l #	10
95) Naphthalene	13.82	128	13180	0.215	ug/l #	85

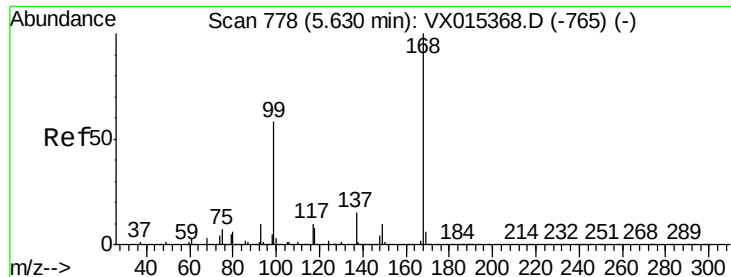
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 779

Delta R.T. 0.01 min

Lab File: VX015793.D

Acq: 21 Apr 2020 14:46

Instrument :

MSVOA_X

ClientSampleId :

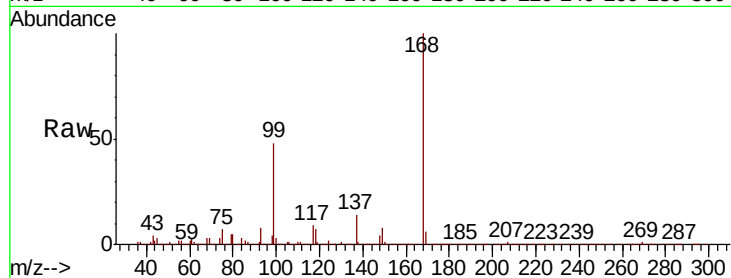
OILY-WATER

Tot Ion:168 Resp: 1091439

Ion Ratio Lower Upper

168 100

99 48.1 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

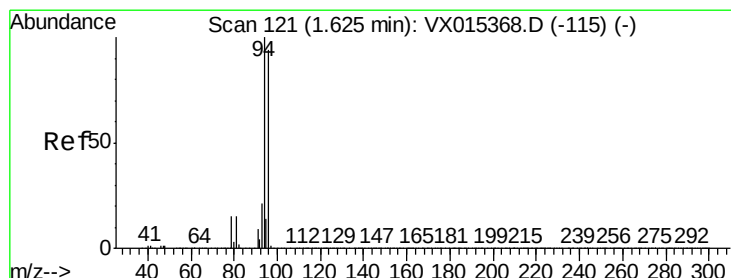
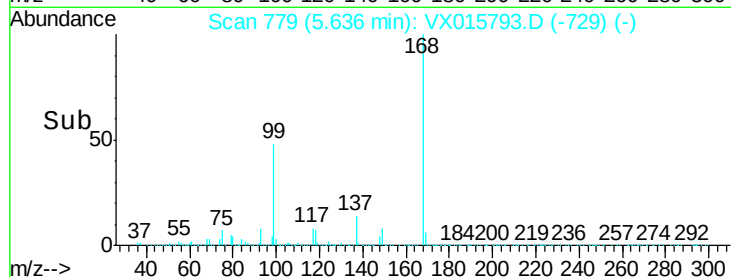
200000

100000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015793.D

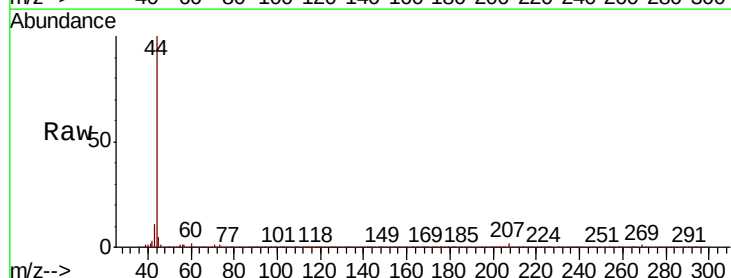
Acq: 21 Apr 2020 14:46

Tgt Ion: 94 Resp: 675

Ion Ratio Lower Upper

94 100

96 68.8 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1500

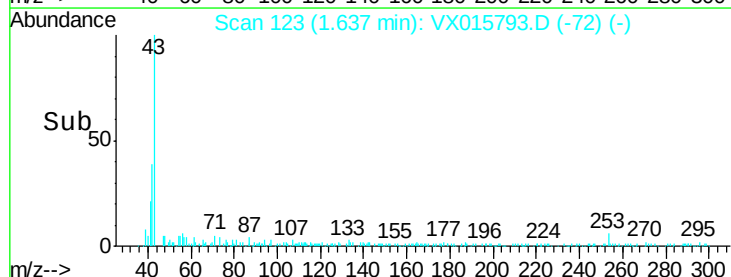
1000

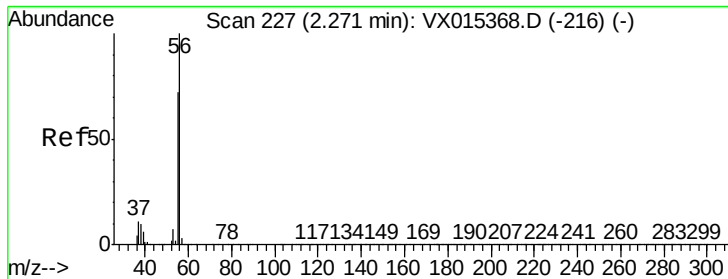
500

0

Time-->

1.62 1.64 1.66

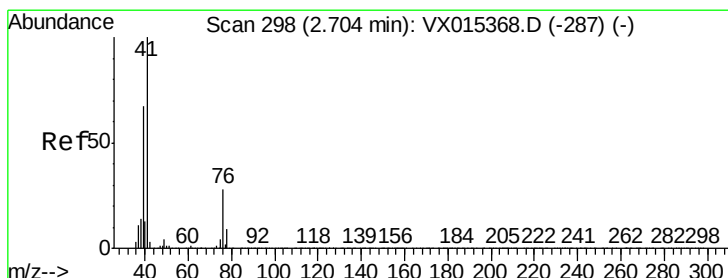
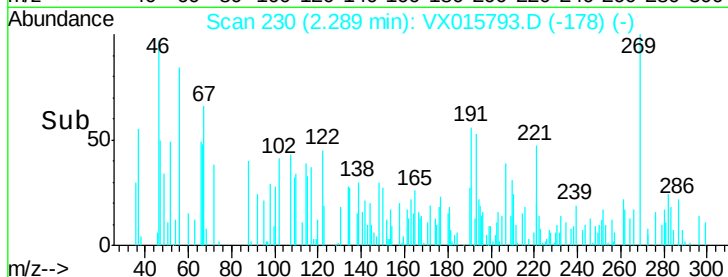
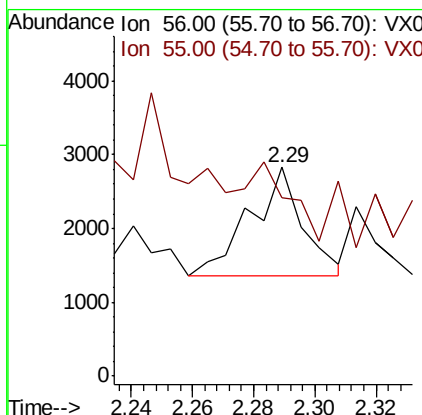
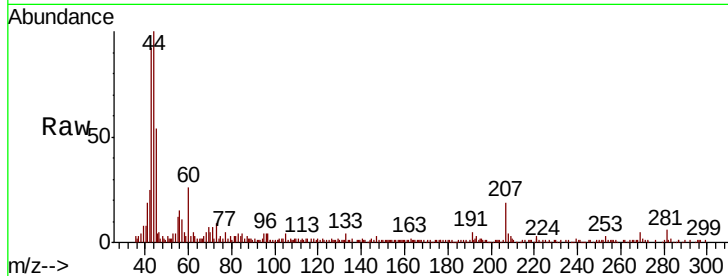




#13
Acrolein
Concen: 0.826 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.02 min
Lab File: VX015793.D
Acq: 21 Apr 2020 14:46

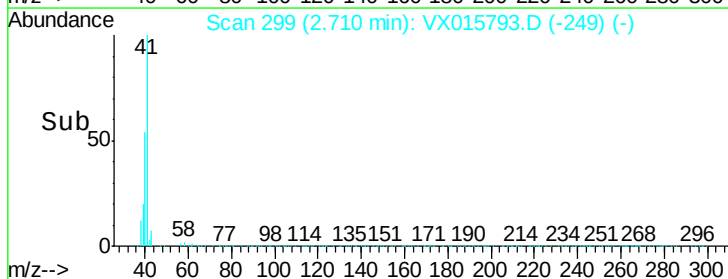
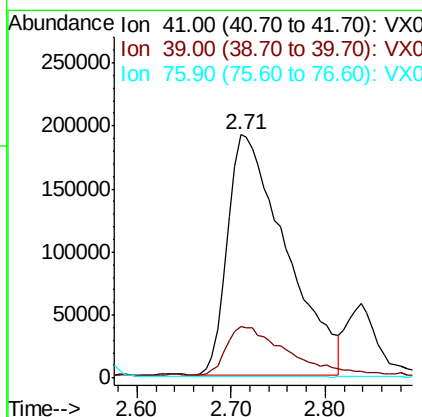
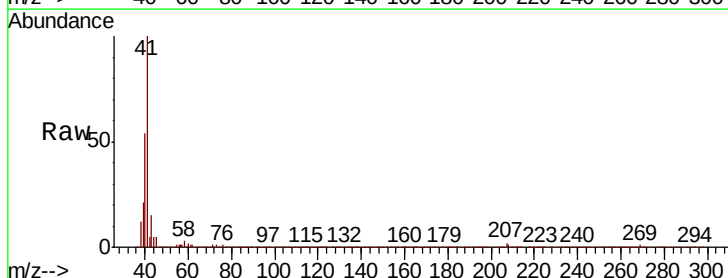
Instrument :
MSVOA_X
ClientSampled :
OILY-WATER

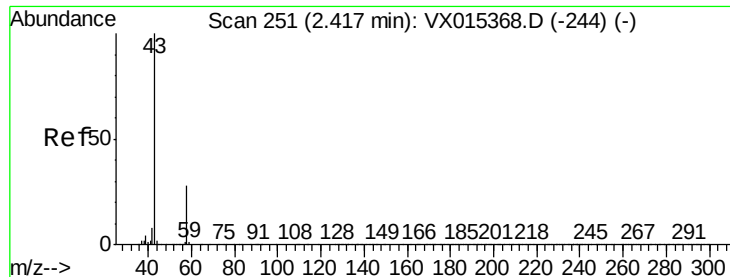
Tot Ion: 56 Resp: 1733
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#14
Allyl chloride
Concen: 34.103 ug/l
RT: 2.71 min Scan# 299
Delta R.T. 0.01 min
Lab File: VX015793.D
Acq: 21 Apr 2020 14:46

Tgt Ion: 41 Resp: 821104
Ion Ratio Lower Upper
41 100
39 21.1 51.4 77.0#
76 0.0 21.8 32.8#





#16

Acetone

Concen: 69.258 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.02 min

Lab File: VX015793.D

Acq: 21 Apr 2020 14:46

Instrument :

MSVOA_X

ClientSampleId :

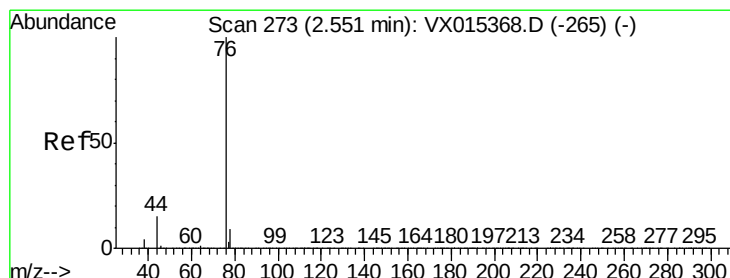
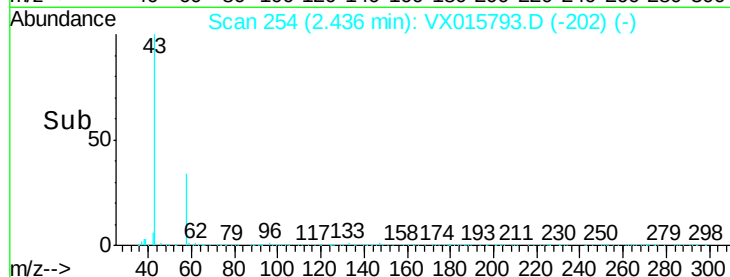
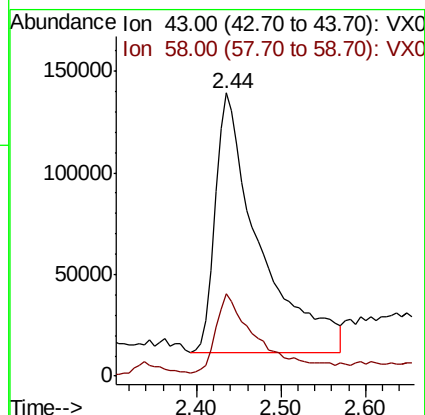
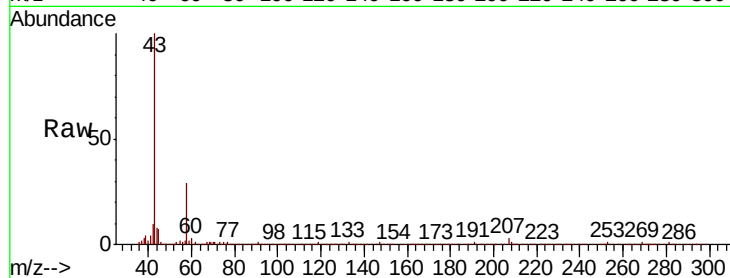
OILY-WATER

Tot Ion: 43 Resp: 458031

Ion Ratio Lower Upper

43 100

58 30.6 22.1 33.1



#17

Carbon Disulfide

Concen: 2.151 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015793.D

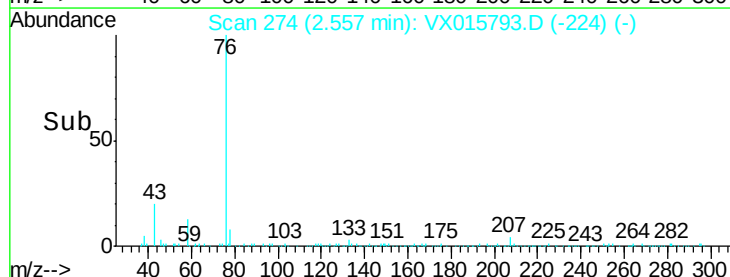
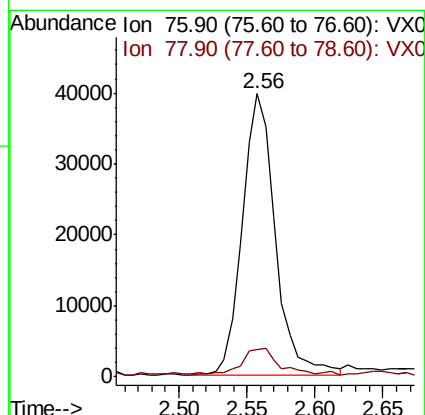
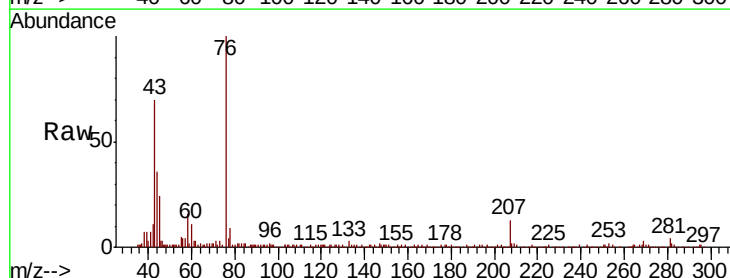
Acq: 21 Apr 2020 14:46

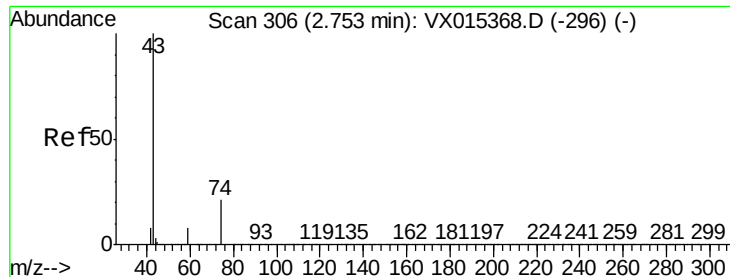
Tgt Ion: 76 Resp: 67622

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7

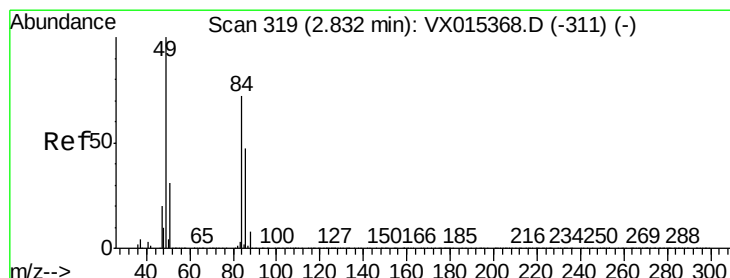
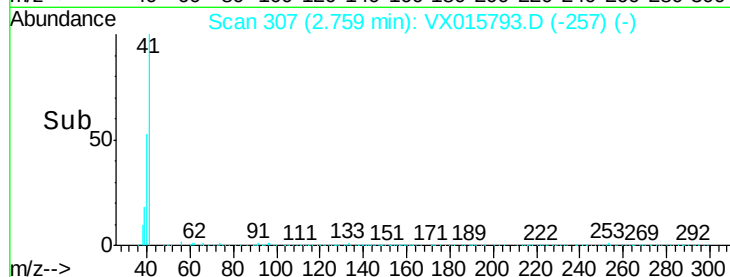
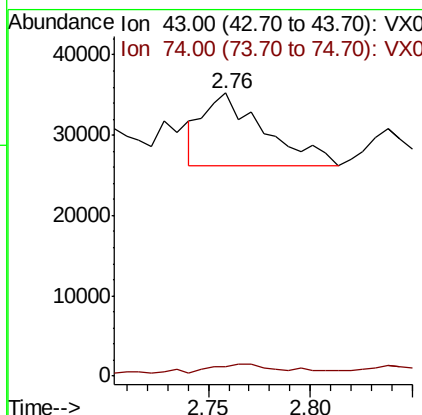
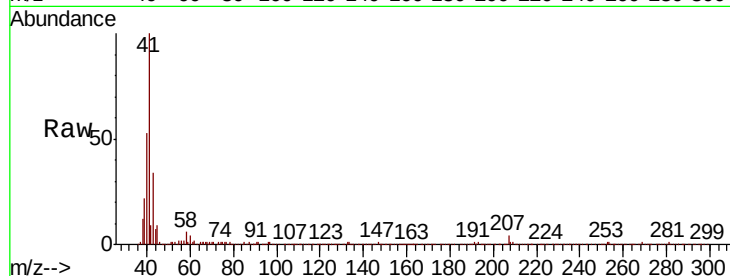




#18
Methyl Acetate
Concen: 1.092 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.01 min
Lab File: VX015793.D
Acq: 21 Apr 2020 14:46

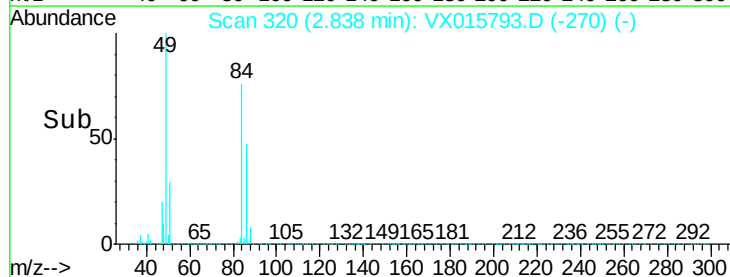
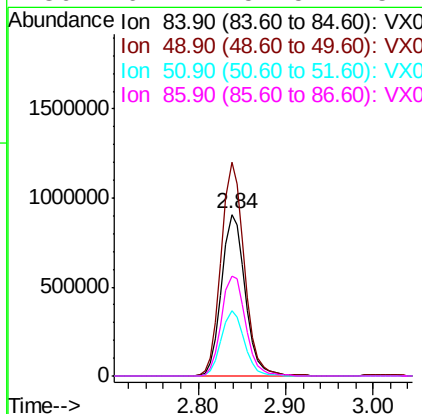
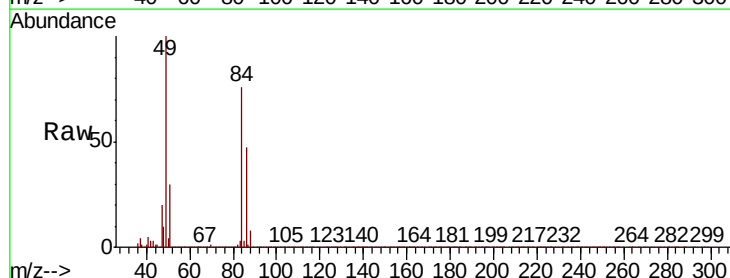
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

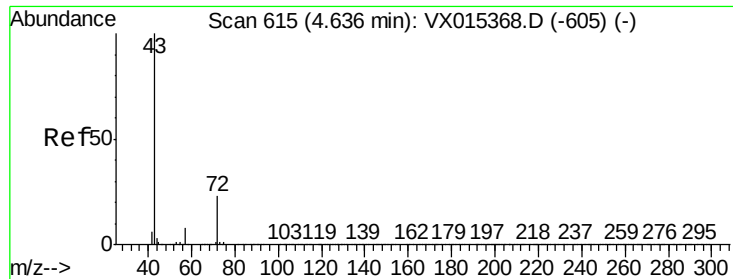
Tot Ion: 43 Resp: 18425
Ion Ratio Lower Upper
43 100
74 14.1 16.5 24.7#



#20
Methylene Chloride
Concen: 137.547 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015793.D
Acq: 21 Apr 2020 14:46

Tgt Ion: 84 Resp: 1699107
Ion Ratio Lower Upper
84 100
49 132.3 111.3 166.9
51 40.1 34.0 51.0
86 62.2 52.5 78.7

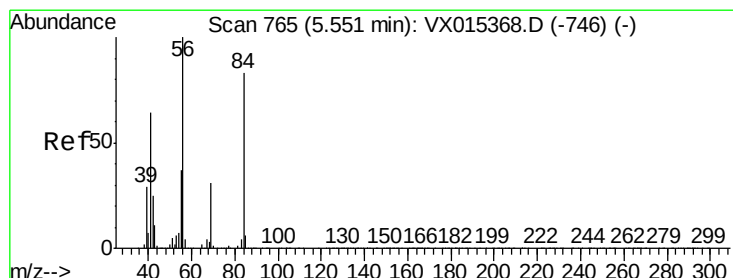
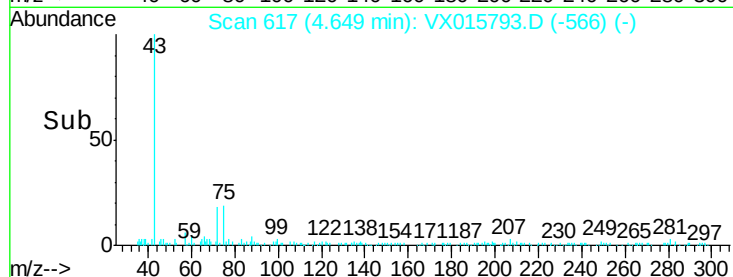
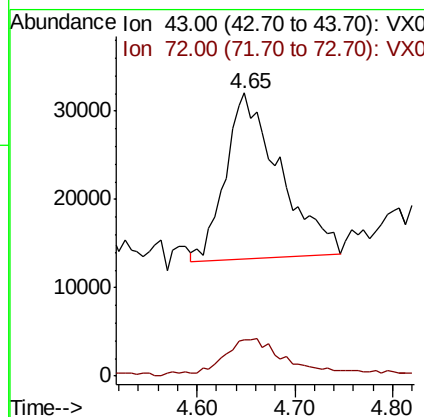
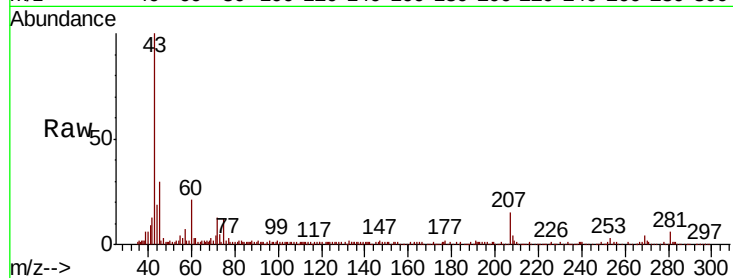




#25
2-Butanone
Concen: 6.814 ug/l
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015793.D
Acq: 21 Apr 2020 14:46

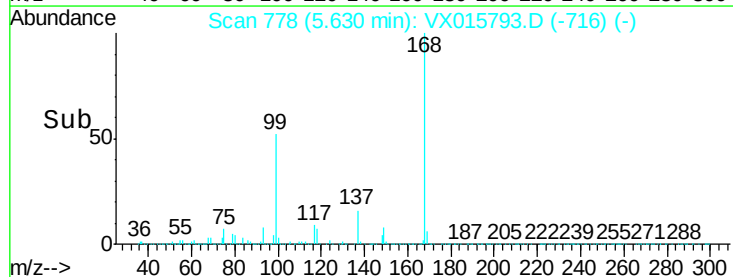
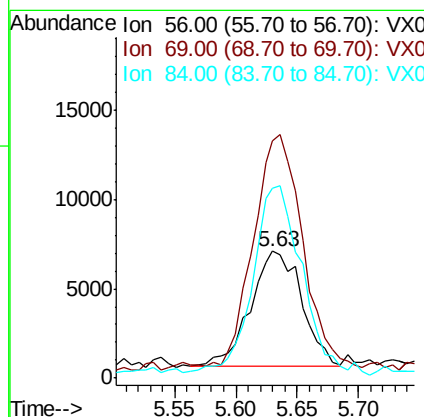
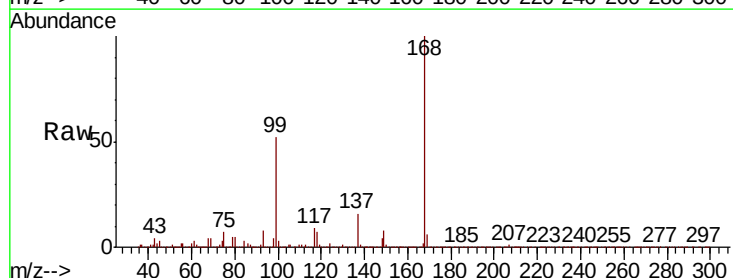
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ClientSampleId :
OILY-WATER

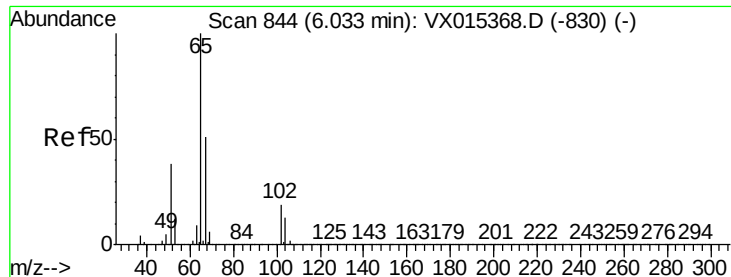
Tot Ion: 43 Resp: 72467
Ion Ratio Lower Upper
43 100
72 20.9 19.0 28.4



#31
Cyclohexane
Concen: 0.966 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015793.D
Acq: 21 Apr 2020 14:46

Tgt Ion: 56 Resp: 18815
Ion Ratio Lower Upper
56 100
69 194.5 24.6 36.8#
84 159.4 66.1 99.1#

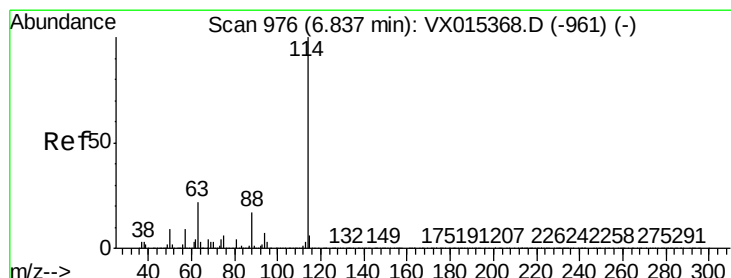
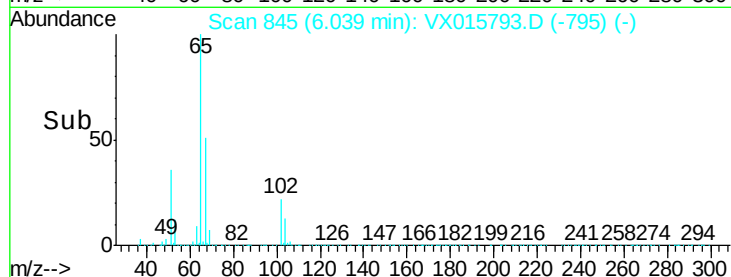
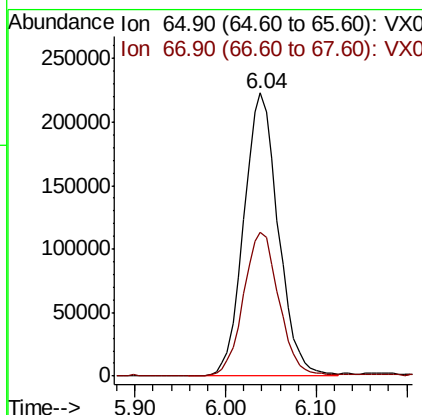
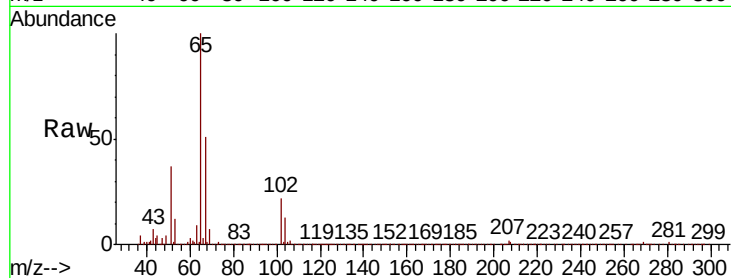




#33
 1,2-Dichloroethane-d4
 Concen: 37.964 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015793.D
 Acq: 21 Apr 2020 14:46

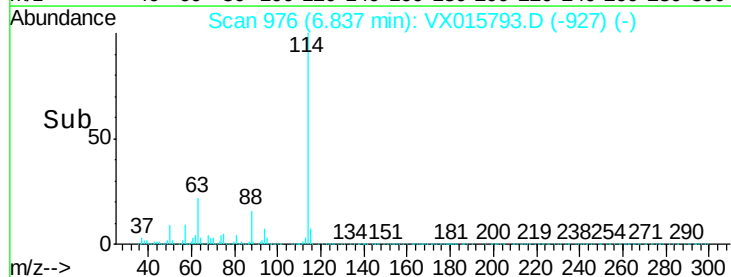
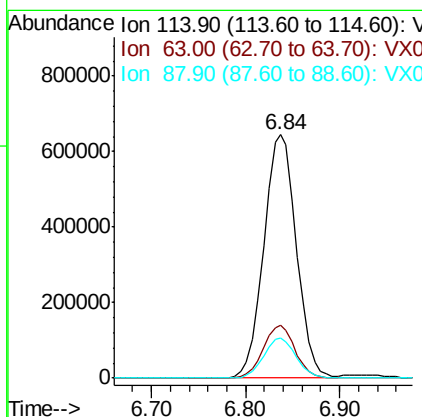
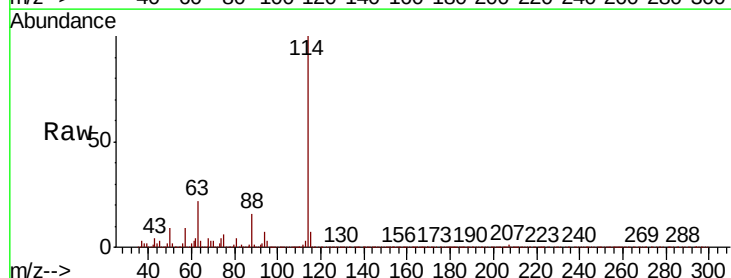
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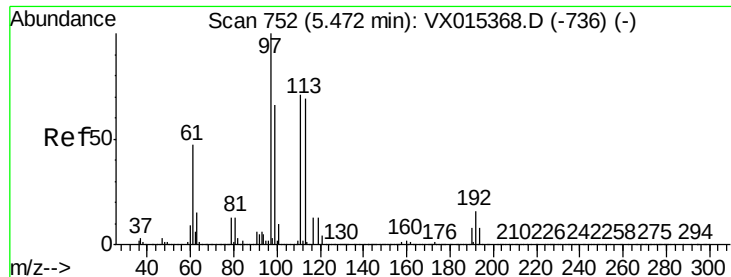
Tot Ion: 65 Resp: 584400
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015793.D
 Acq: 21 Apr 2020 14:46

Tgt Ion: 114 Resp: 1561223
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.2
 88 16.3 0.0 33.8

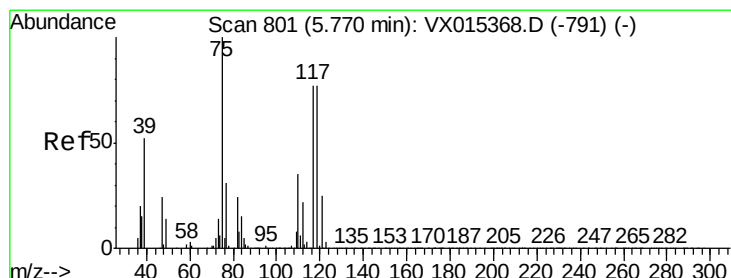
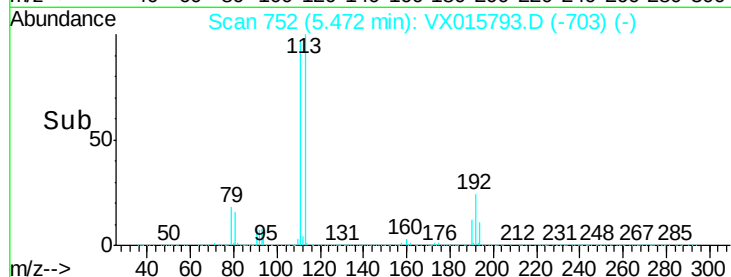
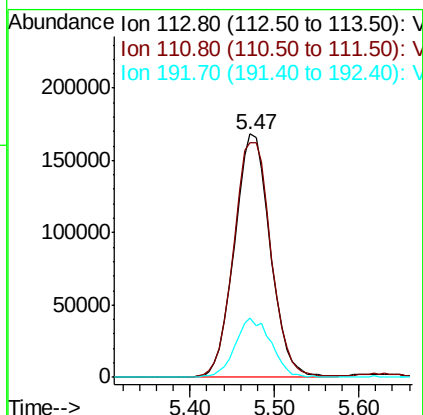
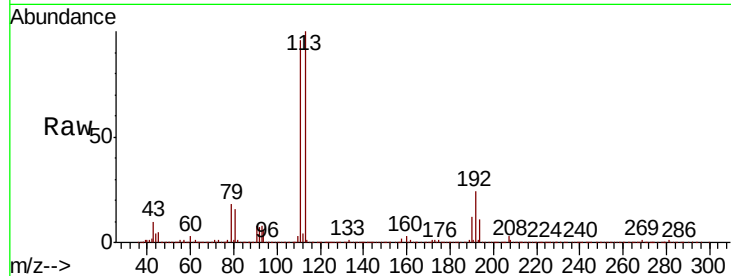




#35
 Dibromofluoromethane
 Concen: 48.346 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015793.D
 Acq: 21 Apr 2020 14:46

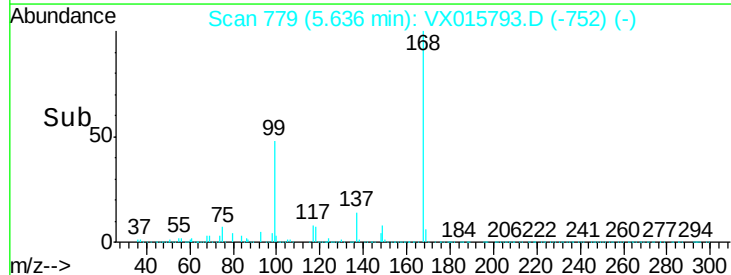
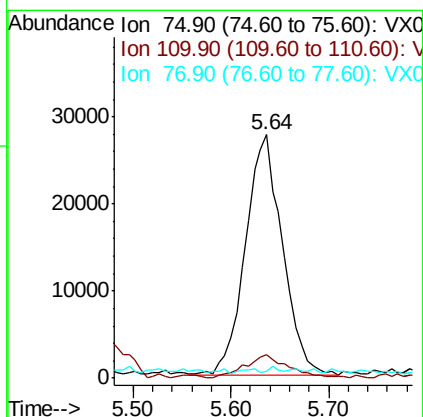
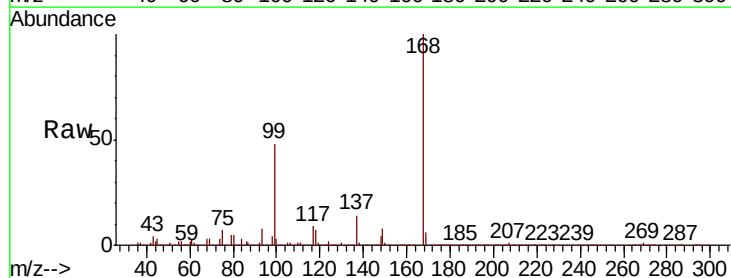
Instrument :
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 OILY-WATER

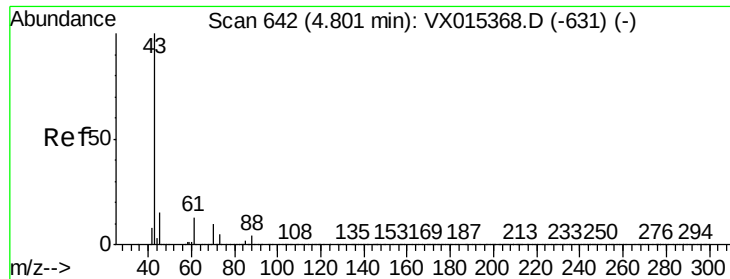
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.5	122.3
192	24.7	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.040 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015793.D
 Acq: 21 Apr 2020 14:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	17.1	51.3#
77	0.7	24.6	36.8#





#37

Ethyl Acetate

Concen: 0.265 ug/l

RT: 4.81 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX015793.D

Acq: 21 Apr 2020 14:46

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER

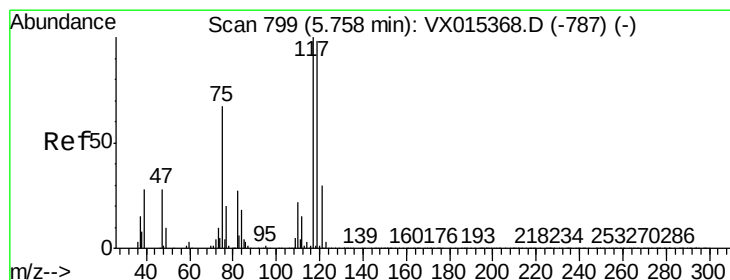
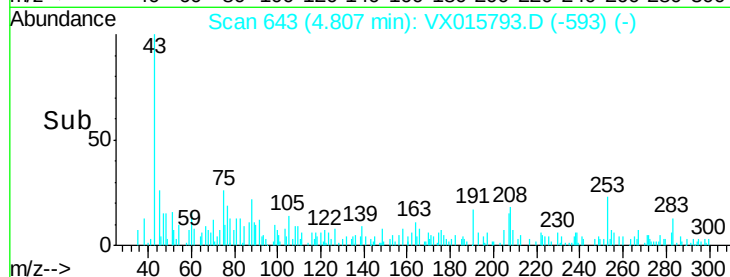
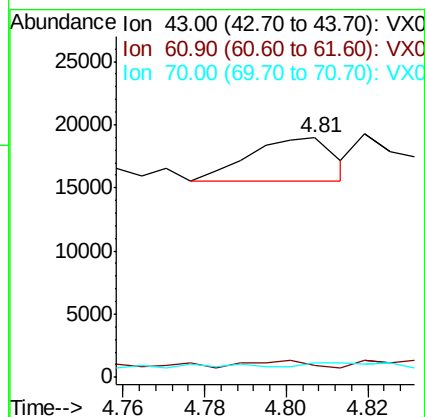
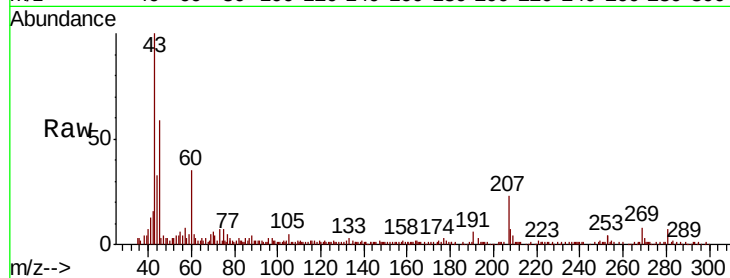
Tot Ion: 43 Resp: 4959

Ion Ratio Lower Upper

43 100

61 13.5 9.9 14.9

70 28.1 8.1 12.1#



#38

Carbon Tetrachloride

Concen: 6.141 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015793.D

Acq: 21 Apr 2020 14:46

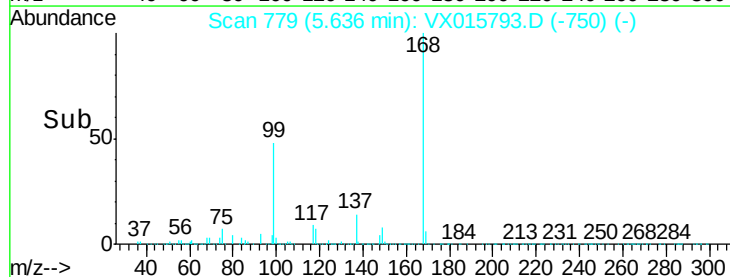
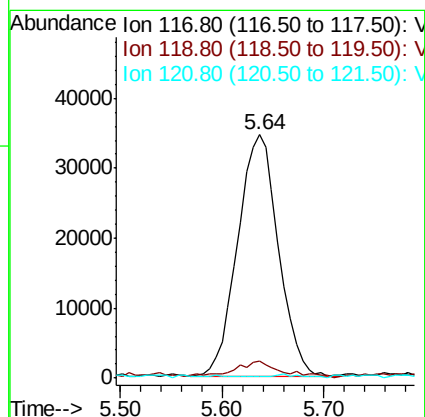
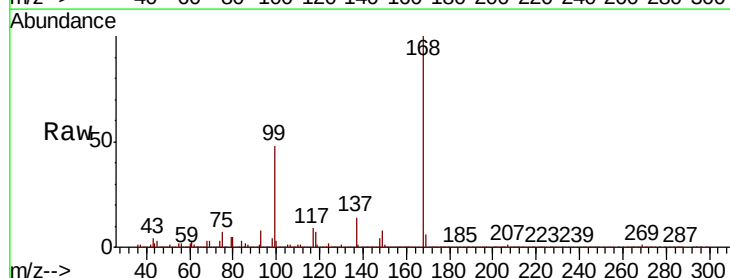
Tgt Ion: 117 Resp: 95672

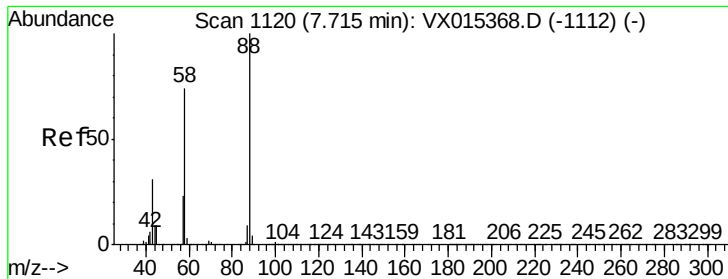
Ion Ratio Lower Upper

117 100

119 6.0 78.0 117.0#

121 0.3 23.8 35.8#

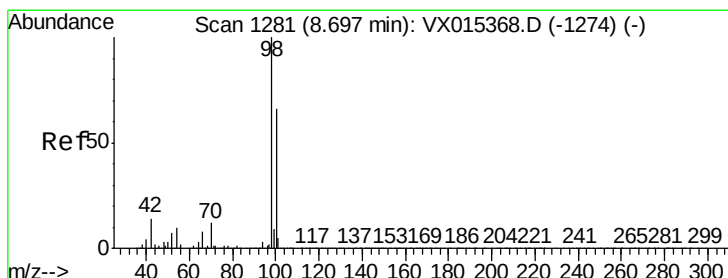
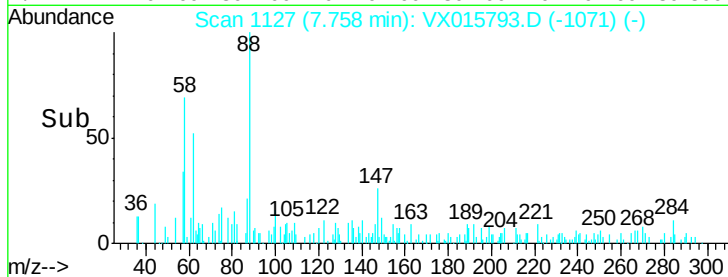
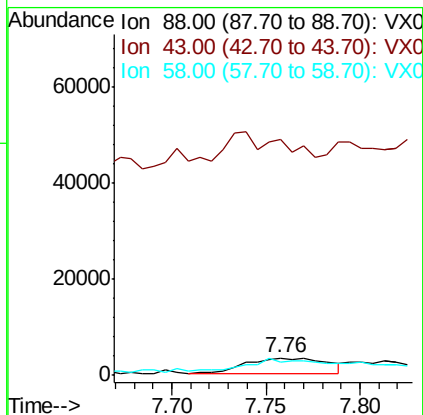
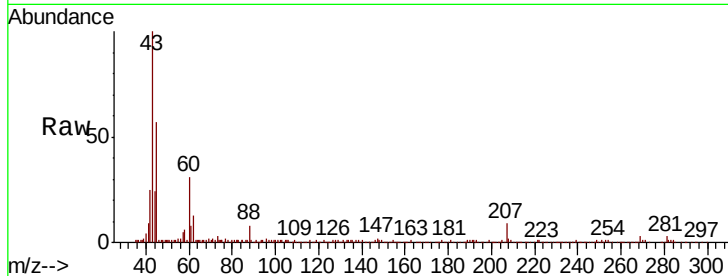




#49
1,4-Dioxane
Concen: 31.590 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. 0.04 min
Lab File: VX015793.D
Acq: 21 Apr 2020 14:46

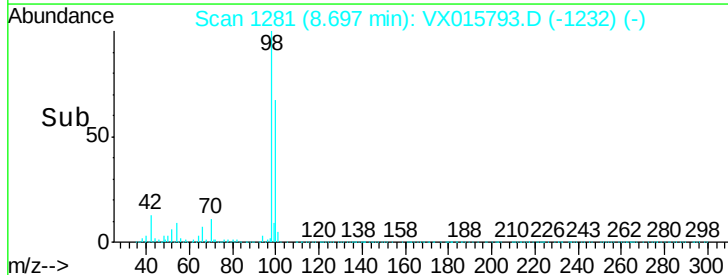
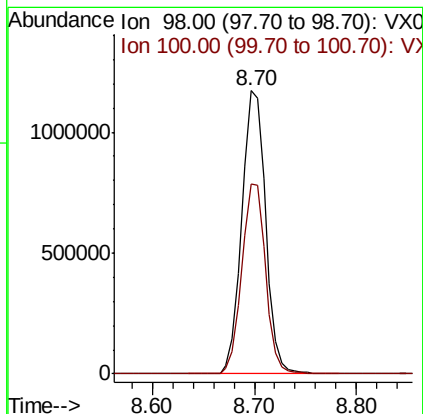
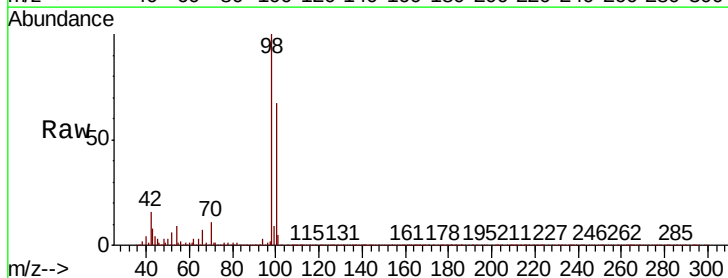
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

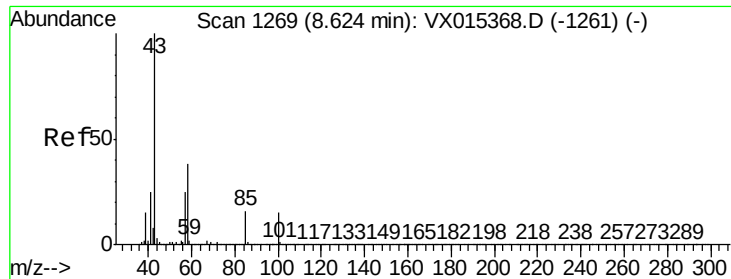
Tot Ion: 88 Resp: 9307
Ion Ratio Lower Upper
88 100
43 127.8 30.1 45.1#
58 62.4 60.6 90.8



#50
Toluene-d8
Concen: 51.578 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015793.D
Acq: 21 Apr 2020 14:46

Tgt Ion: 98 Resp: 1895132
Ion Ratio Lower Upper
98 100
100 67.0 53.5 80.3

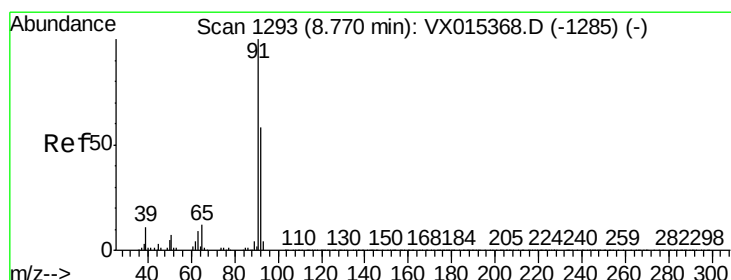
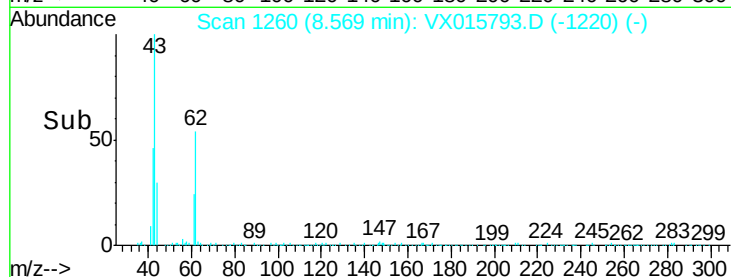
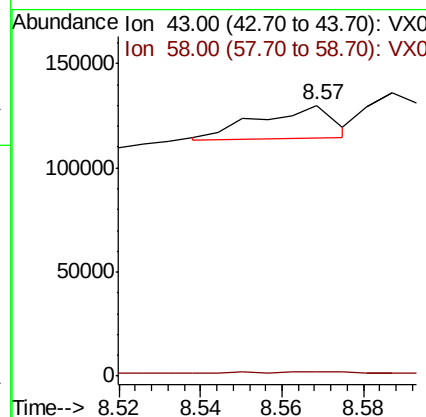
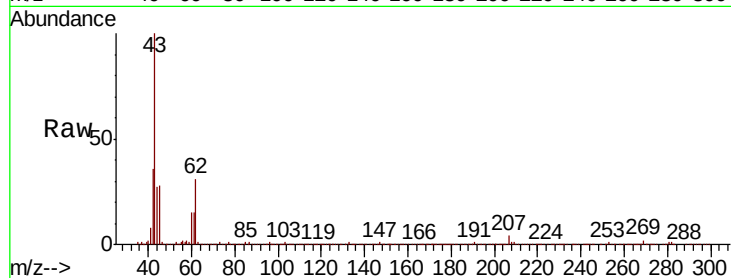




#51
4-Methyl-2-Pentanone
Concen: 1.102 ug/l
RT: 8.57 min Scan# 1260
Delta R.T. -0.05 min
Lab File: VX015793.D
Acq: 21 Apr 2020 14:46

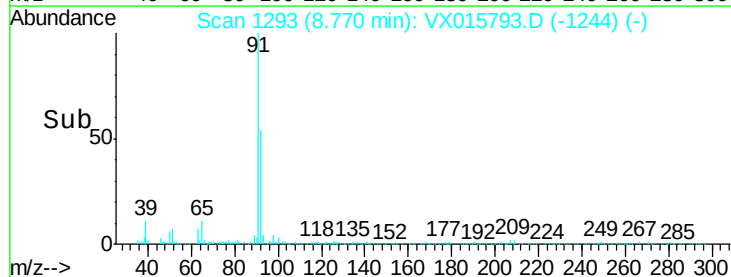
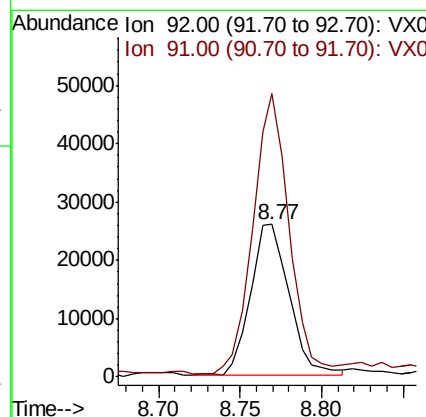
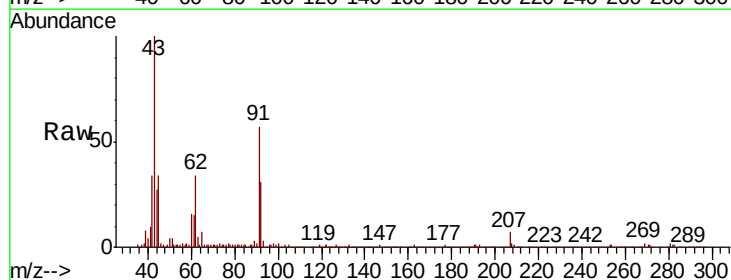
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

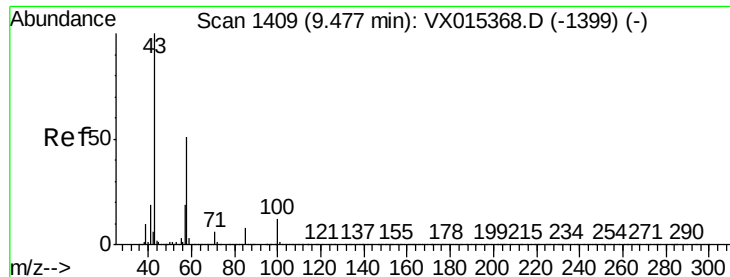
Tot Ion: 43 Resp: 19752
Ion Ratio Lower Upper
43 100
58 5.3 29.7 44.5#



#52
Toluene
Concen: 1.638 ug/l
RT: 8.77 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX015793.D
Acq: 21 Apr 2020 14:46

Tgt Ion: 92 Resp: 42562
Ion Ratio Lower Upper
92 100
91 174.1 136.6 205.0

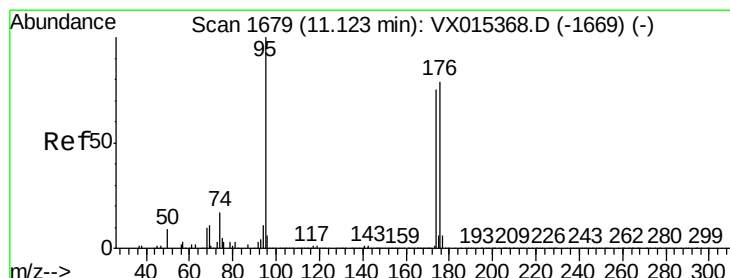
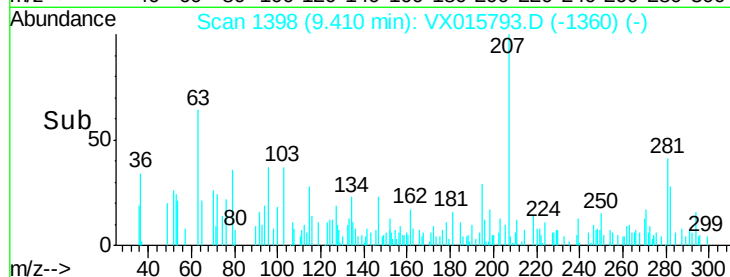
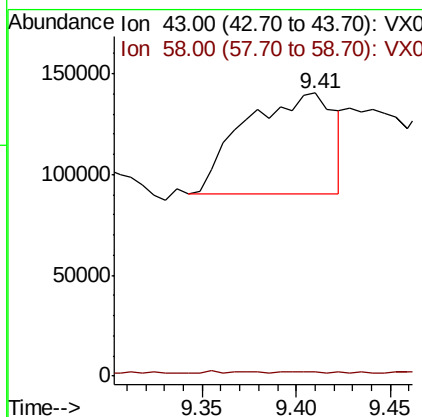
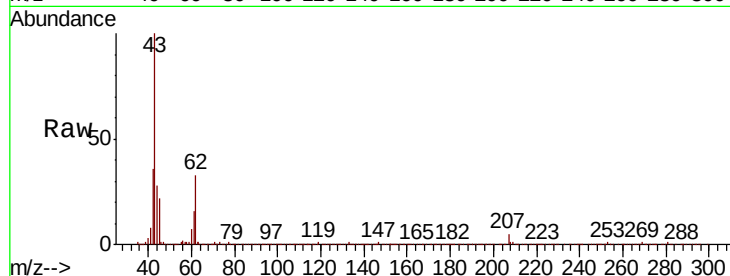




#59
2-Hexanone
Concen: 12.262 ug/l
RT: 9.41 min Scan# 1398
Delta R.T. -0.07 min
Lab File: VX015793.D
Acq: 21 Apr 2020 14:46

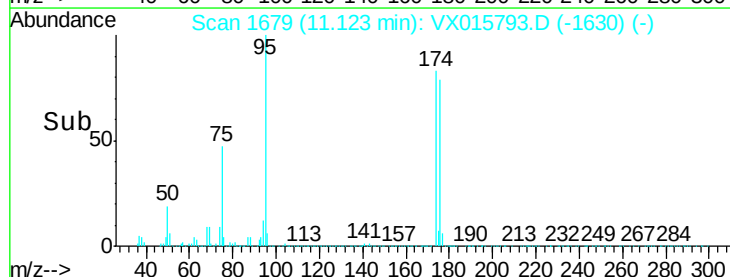
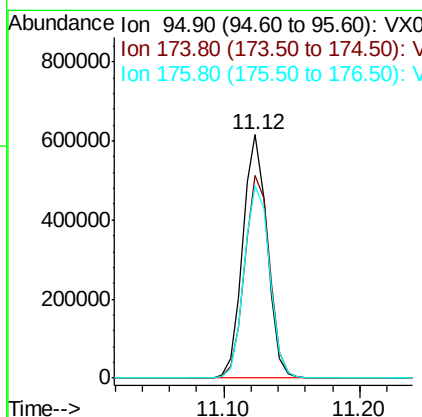
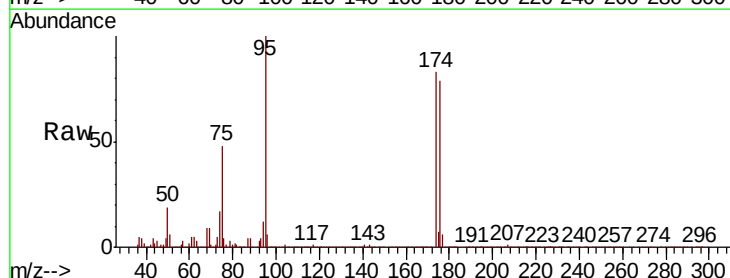
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

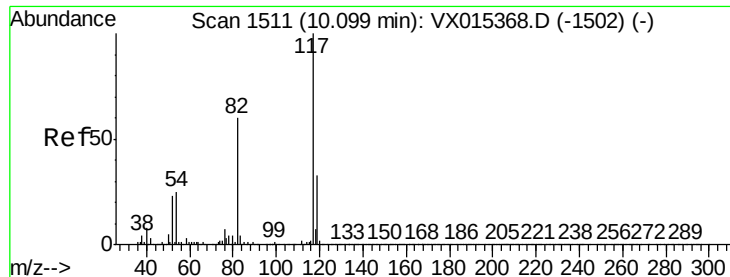
Tot Ion: 43 Resp: 165886
Ion Ratio Lower Upper
43 100
58 0.0 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 51.435 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015793.D
Acq: 21 Apr 2020 14:46

Tgt Ion: 95 Resp: 768048
Ion Ratio Lower Upper
95 100
174 86.4 0.0 158.6
176 83.0 0.0 159.0

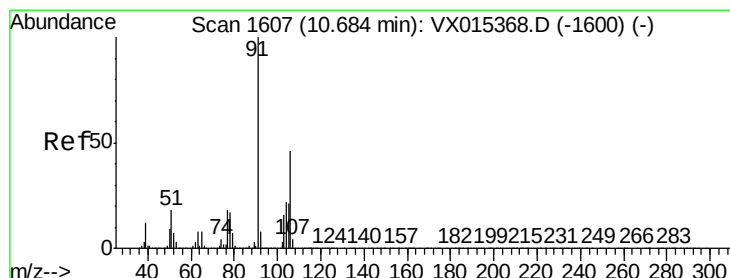
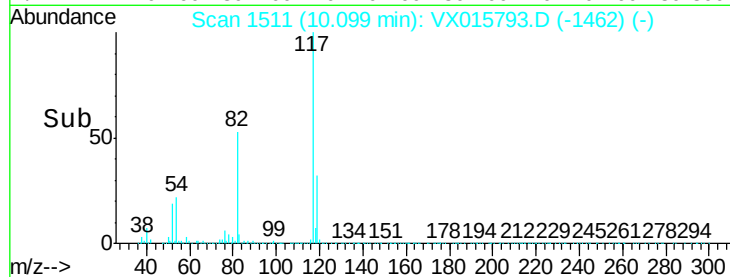
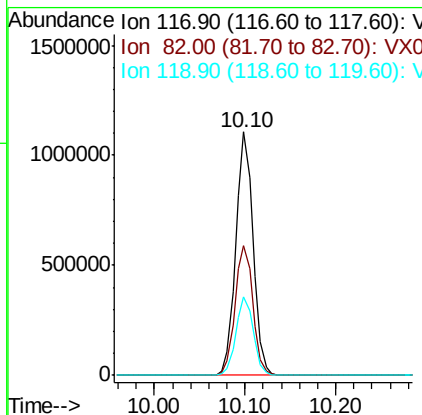
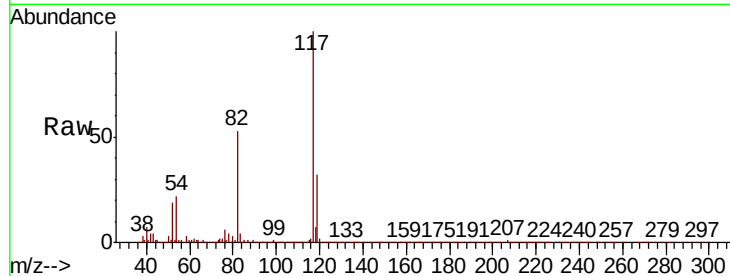




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015793.D
Acq: 21 Apr 2020 14:46

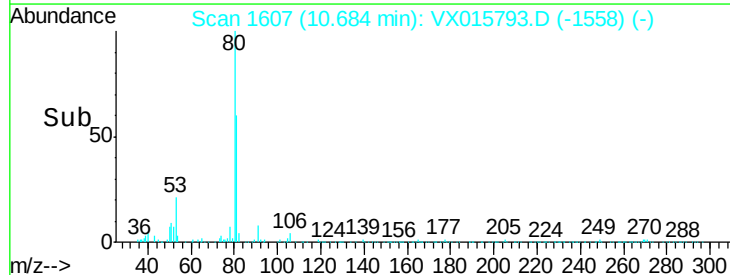
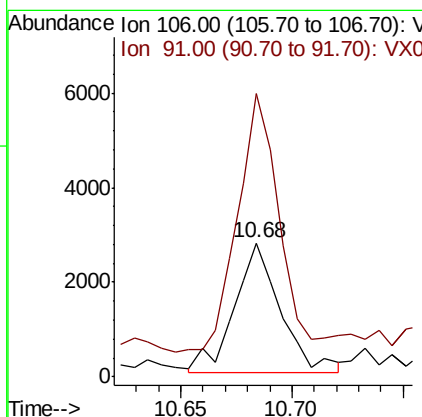
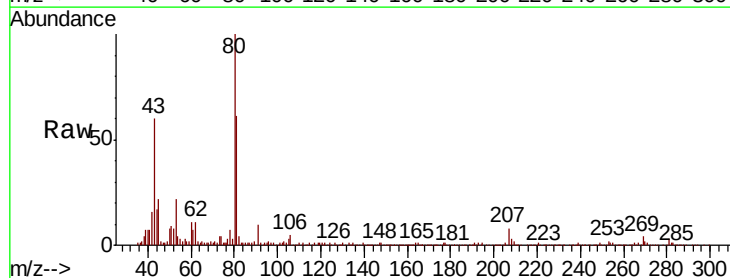
Instrument :
MSVOA_X
ClientSampleId :
OILY-WATER

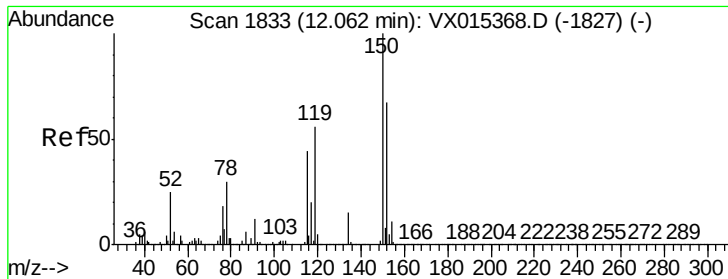
Tot Ion:117 Resp: 1463485
Ion Ratio Lower Upper
117 100
82 53.3 47.8 71.8
119 32.2 26.8 40.2



#69
o-Xylene
Concen: 0.208 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. -0.00 min
Lab File: VX015793.D
Acq: 21 Apr 2020 14:46

Tgt Ion:106 Resp: 3970
Ion Ratio Lower Upper
106 100
91 180.0 107.1 321.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015793.D

Acq: 21 Apr 2020 14:46

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER

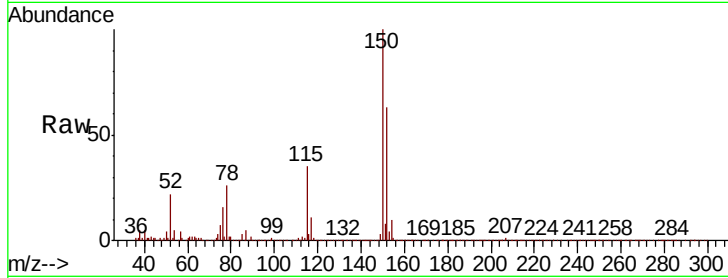
Tot Ion:152 Resp: 831260

Ion Ratio Lower Upper

152 100

115 56.3 39.0 116.9

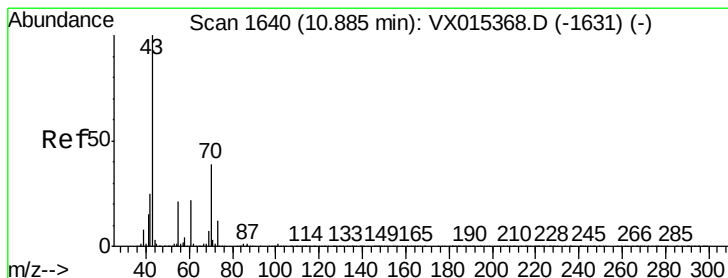
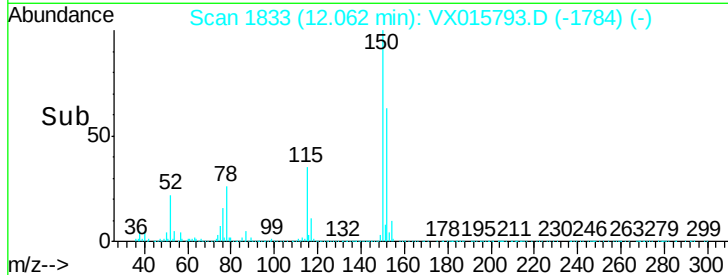
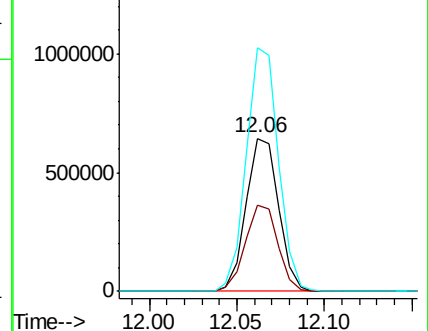
150 157.4 0.0 340.8



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-amyl acetate

Concen: 20.213 ug/l

RT: 10.82 min Scan# 1630

Delta R.T. -0.06 min

Lab File: VX015793.D

Acq: 21 Apr 2020 14:46

Tgt Ion: 43 Resp: 612301

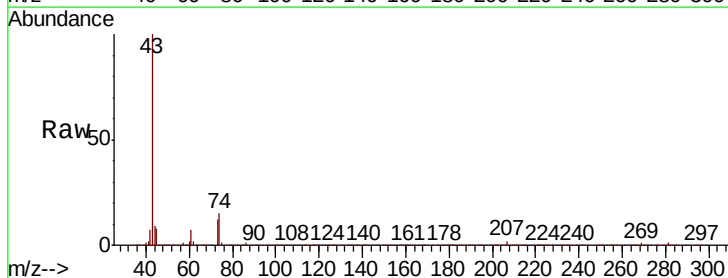
Ion Ratio Lower Upper

43 100

70 0.0 30.2 45.4#

55 0.0 16.8 25.2#

61 6.8 18.2 27.2#

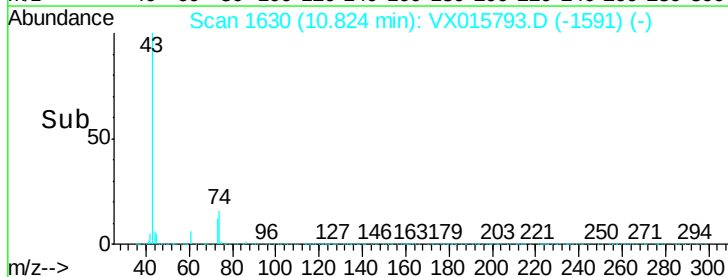
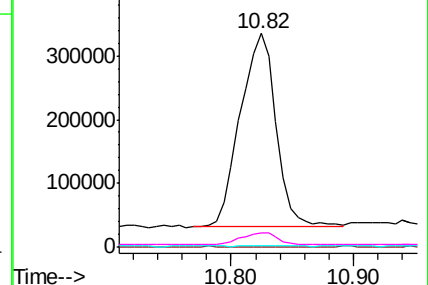


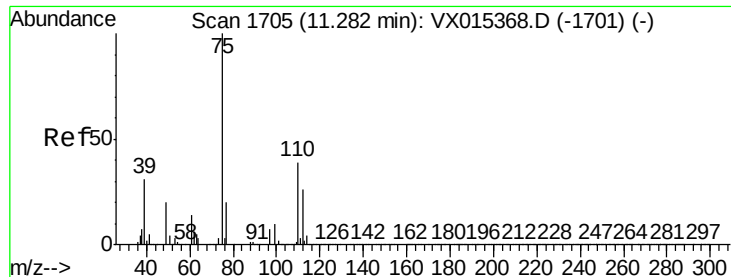
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.072 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015793.D

Acq: 21 Apr 2020 14:46

Instrument :

MSVOA_X

ClientSampleId :

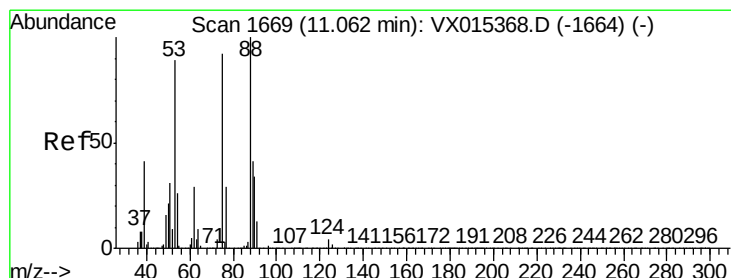
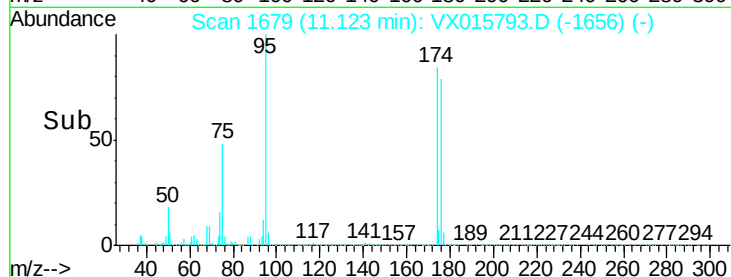
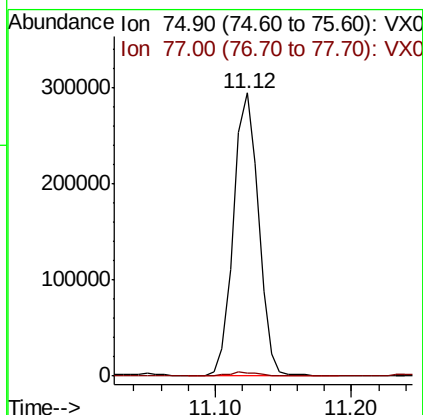
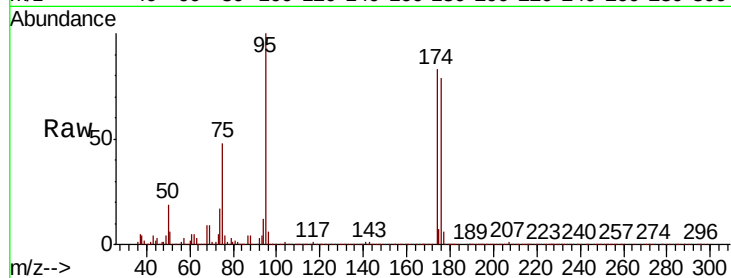
OILY-WATER

Tot Ion: 75 Resp: 377306

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.961 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015793.D

Acq: 21 Apr 2020 14:46

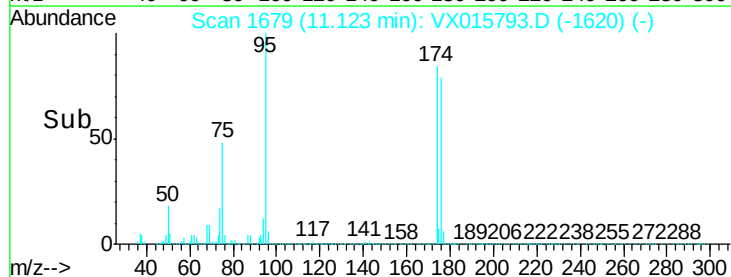
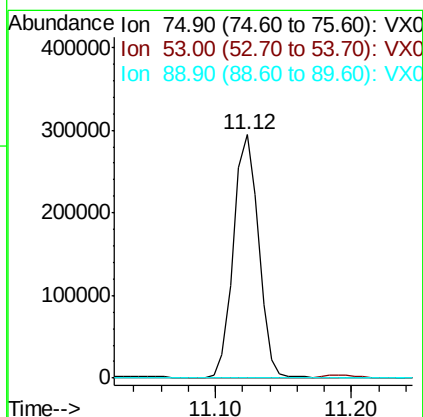
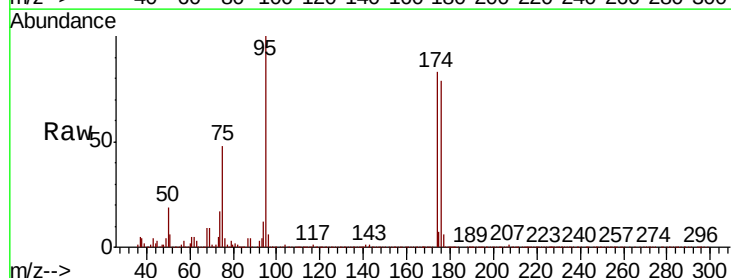
Tgt Ion: 75 Resp: 377306

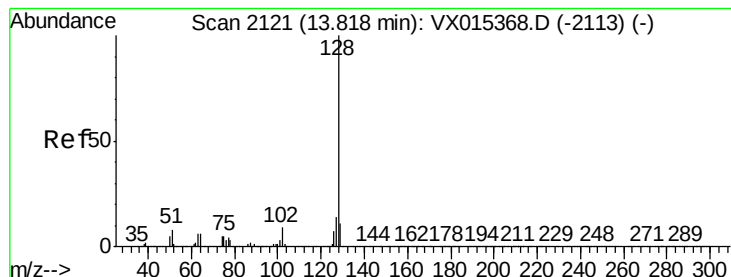
Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.1 36.1 54.1#





#95

Naphthalene

Concen: 0.215 ug/l

RT: 13.82 min Scan# 2121

Delta R.T. -0.00 min

Lab File: VX015793.D

Acq: 21 Apr 2020 14:46

Instrument :

MSVOA_X

ClientSampleId :

OILY-WATER

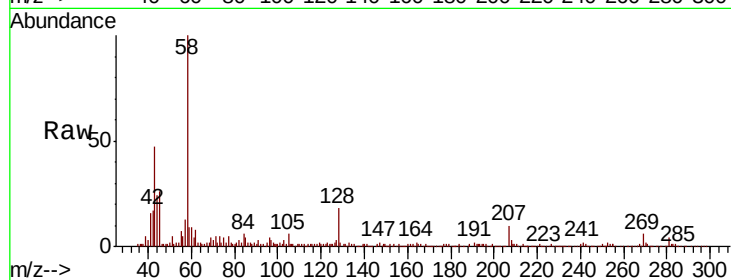
Tot Ion:128 Resp: 13180

Ion Ratio Lower Upper

128 100

127 14.9 10.6 15.8

129 21.3 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

