

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110218\
 Data File : VU027921.D
 Acq On : 02 Nov 2018 13:17
 Operator : MD/SY
 Sample : J5778-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 OILY-WATER

Quant Time: Nov 03 04:21:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	191976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	332543	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	291877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	121362	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	145606	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
35) Dibromofluoromethane	4.88	113	110127	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
50) Toluene-d8	7.57	98	424425	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
62) 4-Bromofluorobenzene	10.31	95	138917	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	

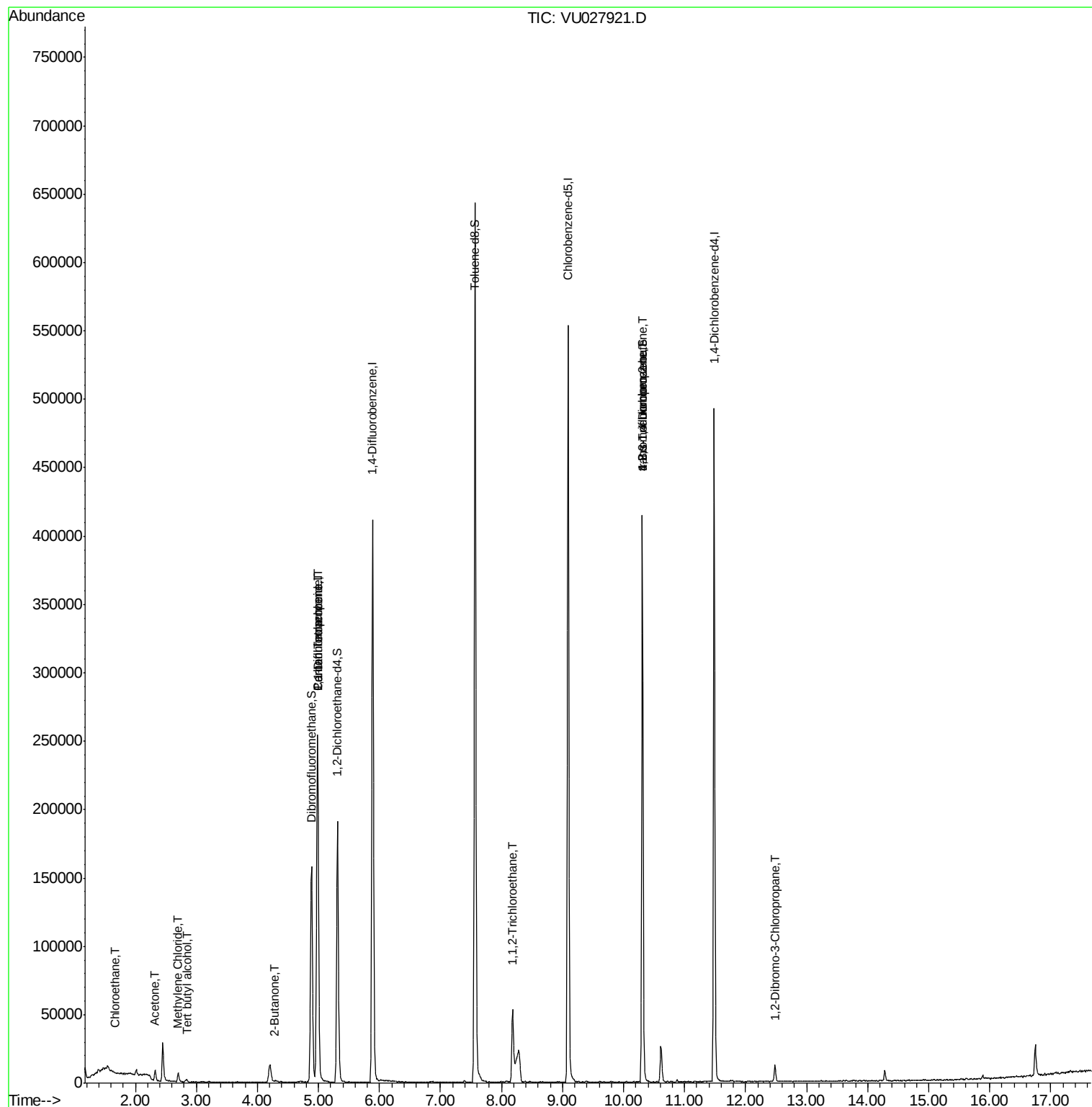
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.68	64	679	0.402	ug/l #	42
11) Tert butyl alcohol	2.84	59	1866	2.470	ug/l #	76
13) Acrolein	2.20	56	120	Below Cal		92
16) Acetone	2.32	43	7768	4.387	ug/l	92
20) Methylene Chloride	2.70	84	2648	1.024	ug/l	90
25) 2-Butanone	4.29	43	1115	0.396	ug/l	96
31) Cyclohexane	4.99	56	4469	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	16100	4.623	ug/l #	46
38) Carbon Tetrachloride	4.98	117	19021	6.163	ug/l #	16
55) 1,1,2-Trichloroethane	8.18	97	676	0.265	ug/l #	12
76) 1,2,3-Trichloropropane	10.31	75	72394	21.808	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	72394	54.427	ug/l #	100
92) 1,2-Dibromo-3-Chloropropan	12.48	75	339	0.424	ug/l #	4
95) Naphthalene	13.77	128	700	Below Cal	#	69

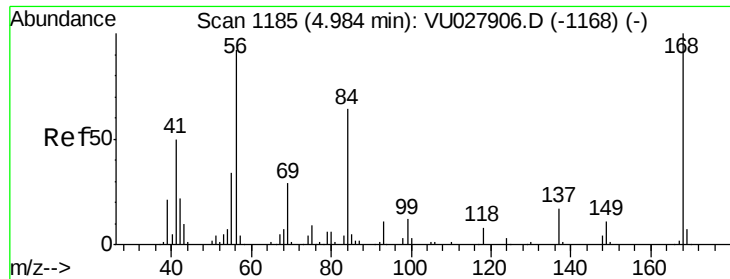
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027921.D

Acq: 02 Nov 2018 13:17

Instrument :

MSVOA_U

ClientSampleId :

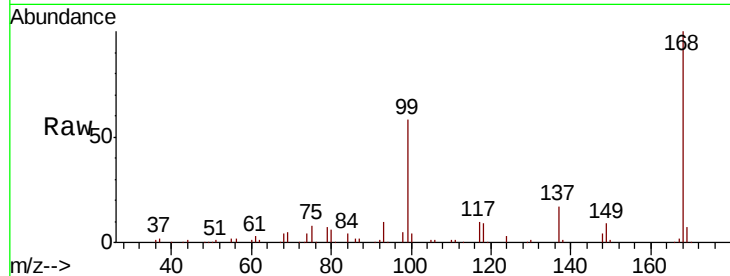
OILY-WATER

Tot Ion:168 Resp: 191976

Ion Ratio Lower Upper

168 100

99 57.9 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.99

80000

60000

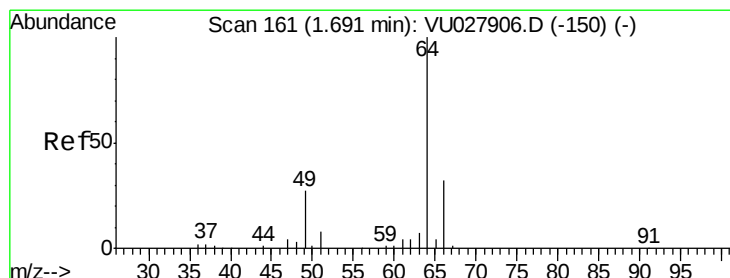
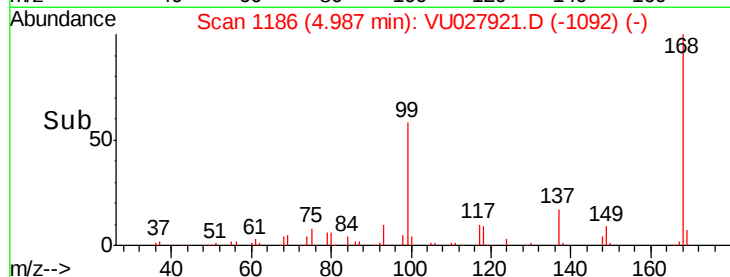
40000

20000

0

4.90 5.00 5.10

Time-->



#6

Chloroethane

Concen: 0.402 ug/l

RT: 1.68 min Scan# 156

Delta R.T. -0.02 min

Lab File: VU027921.D

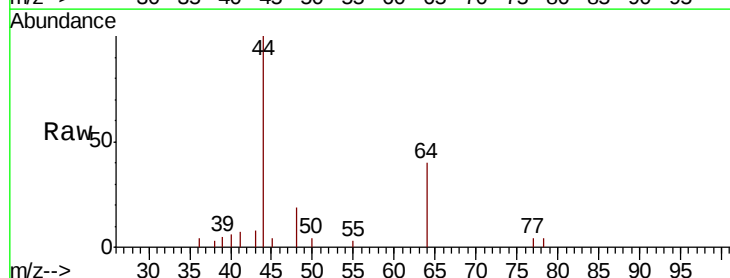
Acq: 02 Nov 2018 13:17

Tgt Ion: 64 Resp: 679

Ion Ratio Lower Upper

64 100

66 0.0 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU027906.D (-150) (-)

1.68

2000

1500

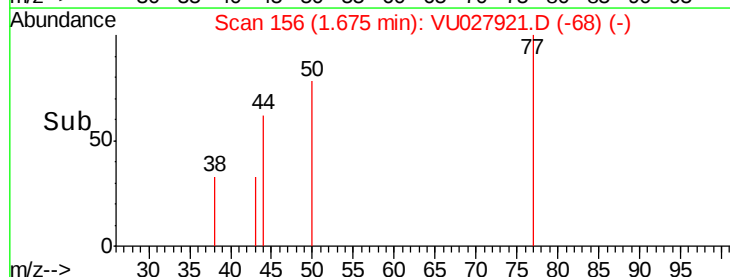
1000

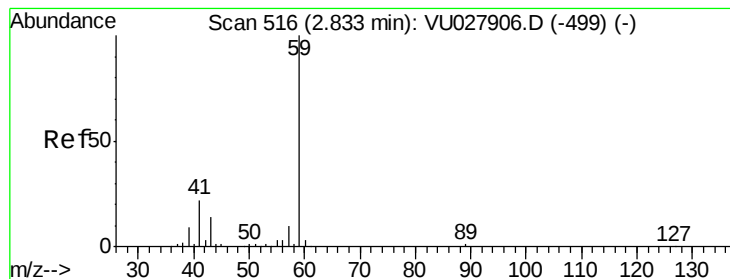
500

0

1.64 1.66 1.68 1.70

Time-->



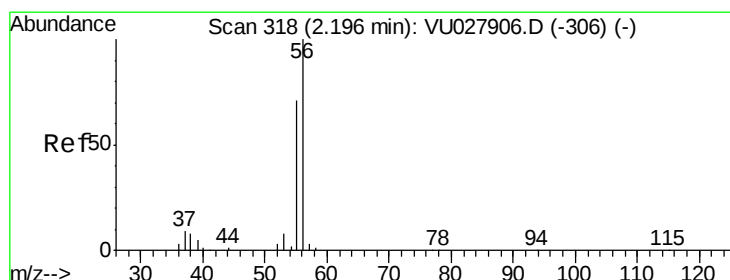
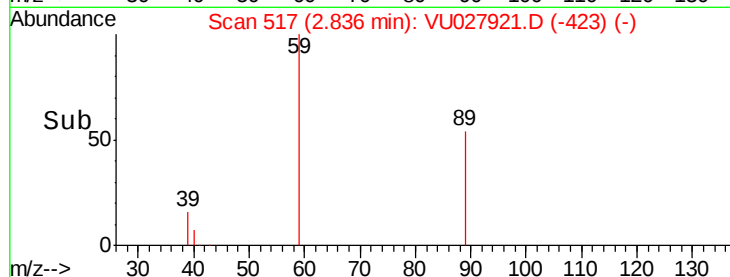
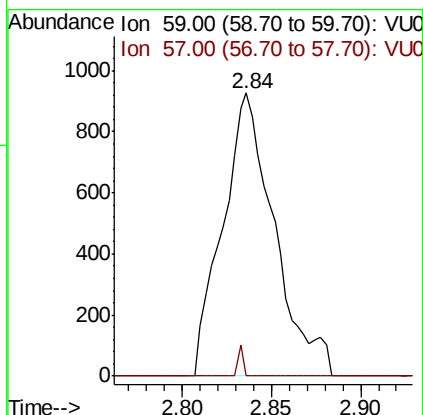
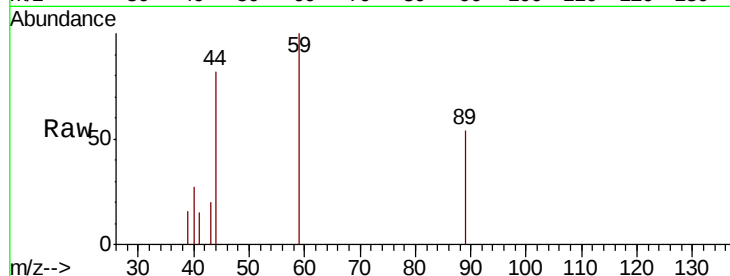


#11

Tert butyl alcohol
Concen: 2.470 ug/l
RT: 2.84 min Scan# 517
Delta R.T. 0.00 min
Lab File: VU027921.D
Acq: 02 Nov 2018 13:17

Instrument :
MSVOA_U
ClientSampleId :
OILY-WATER

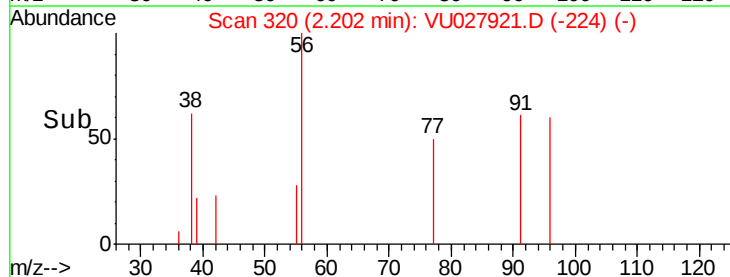
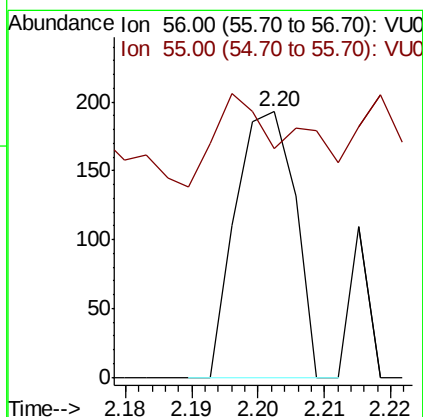
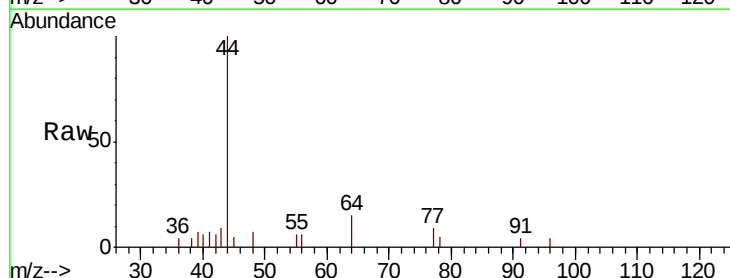
Tot Ion: 59 Resp: 1866
Ion Ratio Lower Upper
59 100
57 1.1 7.8 11.8#

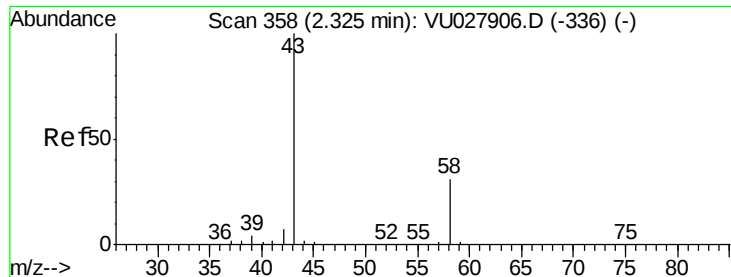


#13

Acrolein
Concen: Below Cal
RT: 2.20 min Scan# 320
Delta R.T. 0.01 min
Lab File: VU027921.D
Acq: 02 Nov 2018 13:17

Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 76.7 56.2 84.4





#16

Acetone

Concen: 4.387 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027921.D

Acq: 02 Nov 2018 13:17

Instrument :

MSVOA_U

ClientSampleId :

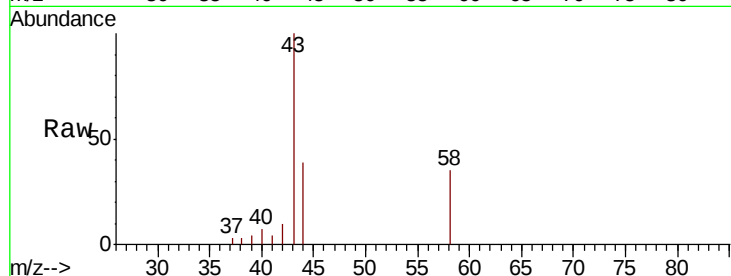
OILY-WATER

Tot Ion: 43 Resp: 7768

Ion Ratio Lower Upper

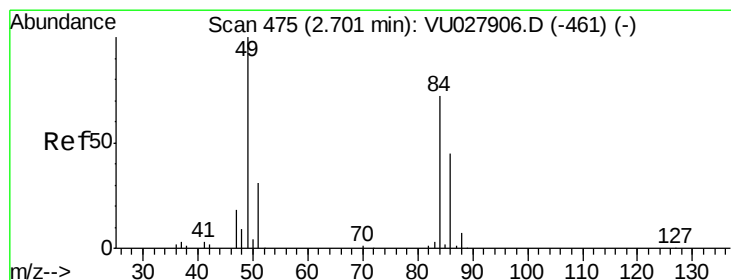
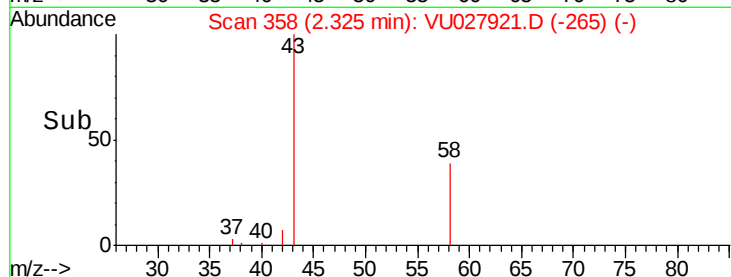
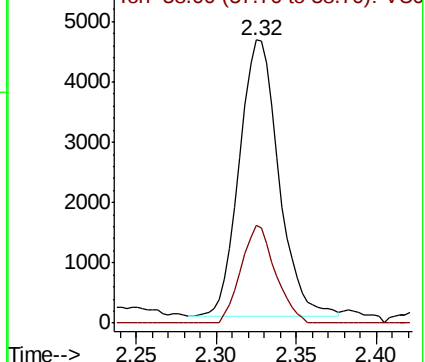
43 100

58 35.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#20

Methylene Chloride

Concen: 1.024 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU027921.D

Acq: 02 Nov 2018 13:17

Tgt Ion: 84 Resp: 2648

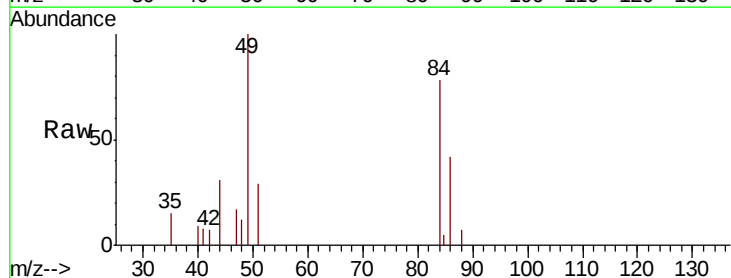
Ion Ratio Lower Upper

84 100

49 127.4 111.6 167.4

51 37.5 34.8 52.2

86 54.0 50.1 75.1

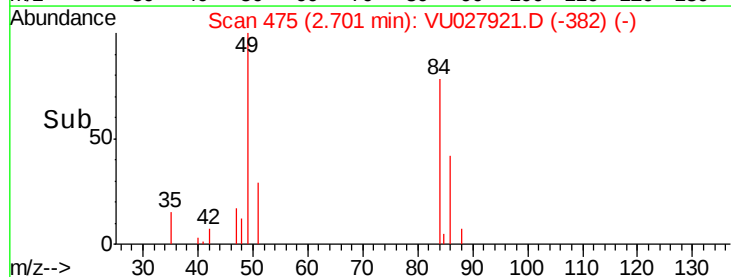
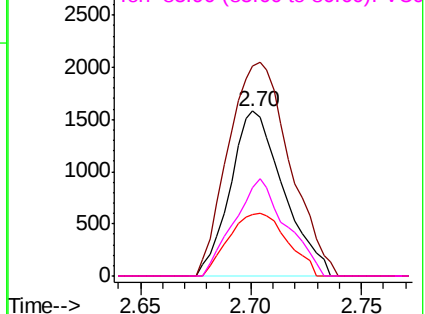


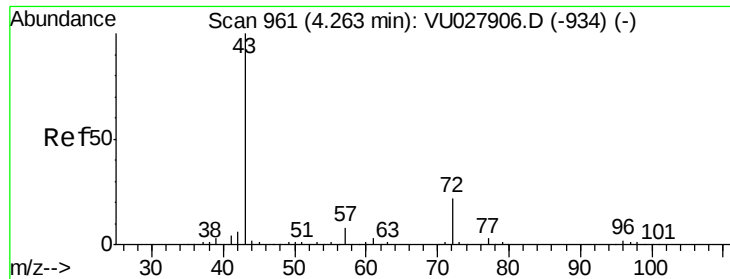
Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0





#25

2-Butanone

Concen: 0.396 ug/l

RT: 4.29 min Scan# 970

Delta R.T. 0.03 min

Lab File: VU027921.D

Acq: 02 Nov 2018 13:17

Instrument :

MSVOA_U

ClientSampleId :

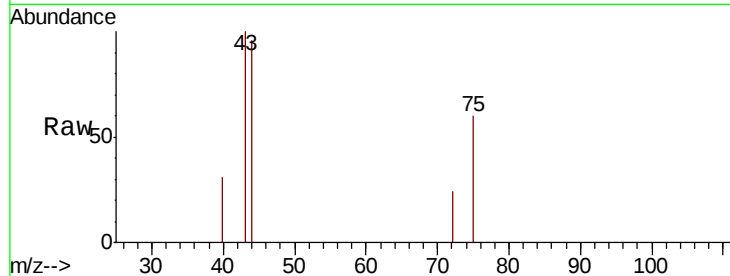
OILY-WATER

Tot Ion: 43 Resp: 1115

Ion Ratio Lower Upper

43 100

72 23.8 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.29

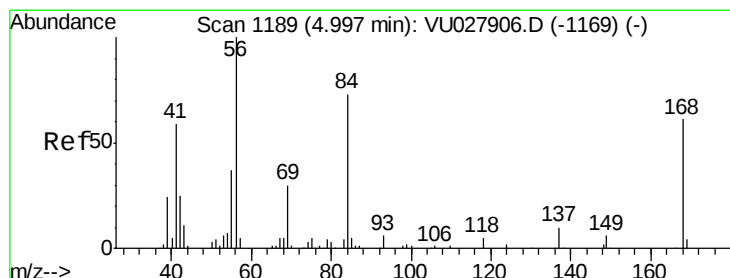
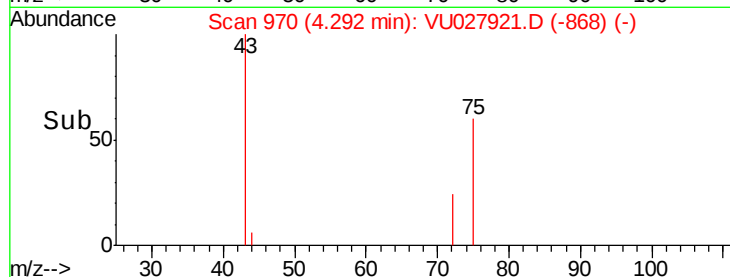
600

400

200

0

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027921.D

Acq: 02 Nov 2018 13:17

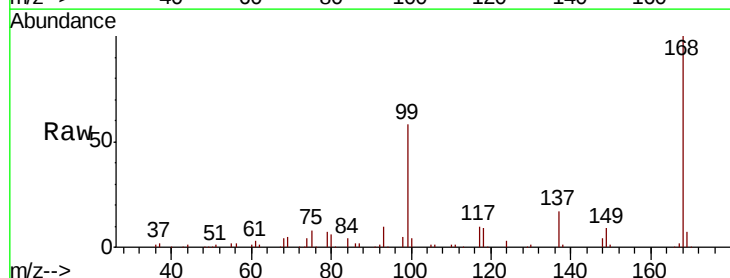
Tgt Ion: 56 Resp: 4469

Ion Ratio Lower Upper

56 100

69 202.7 23.7 35.5#

84 169.2 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

5000

4000

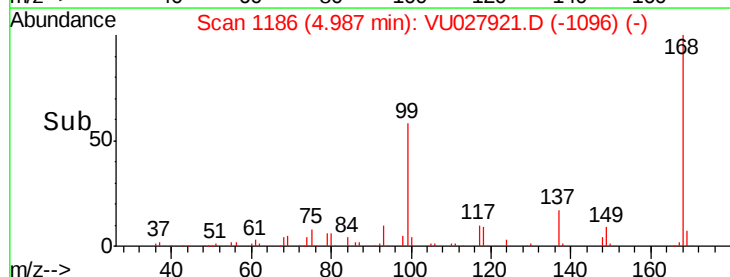
3000

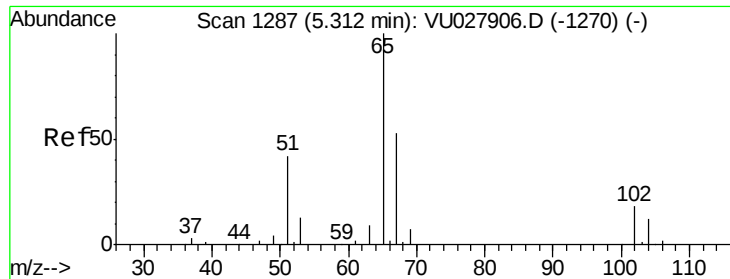
2000

1000

0

Time-->

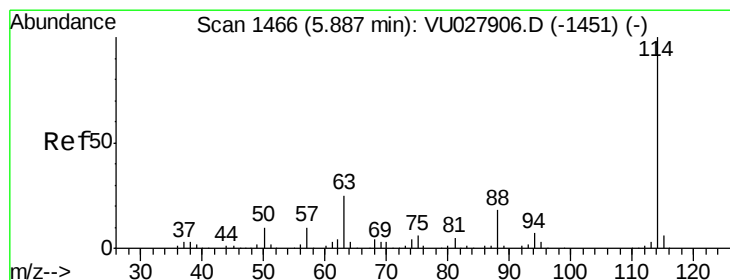
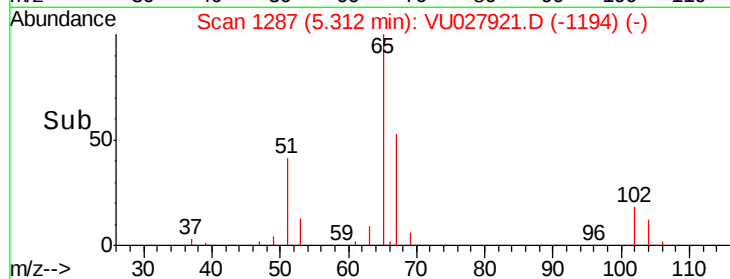
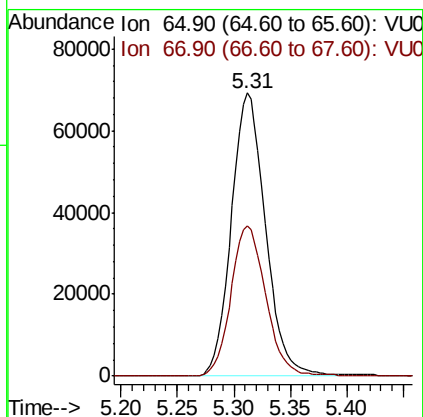
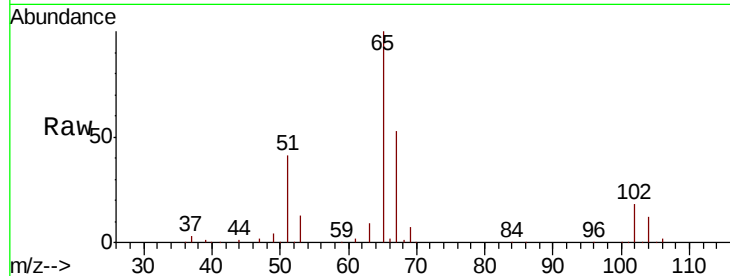




#33
 1,2-Dichloroethane-d4
 Concen: 51.015 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027921.D
 Acq: 02 Nov 2018 13:17

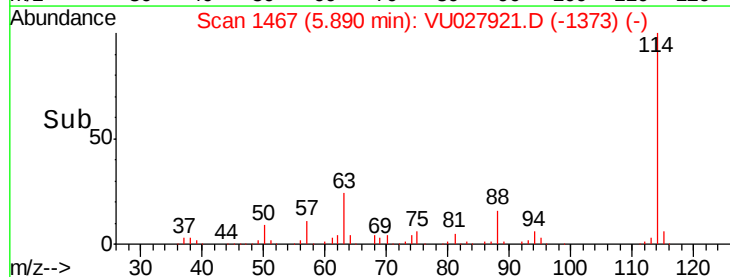
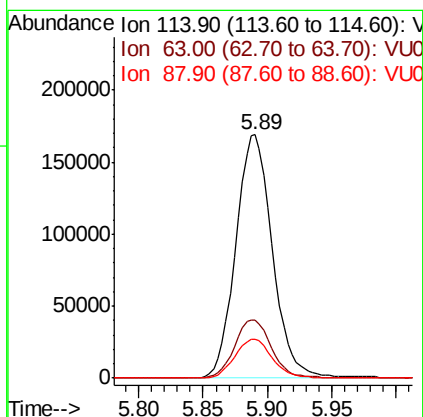
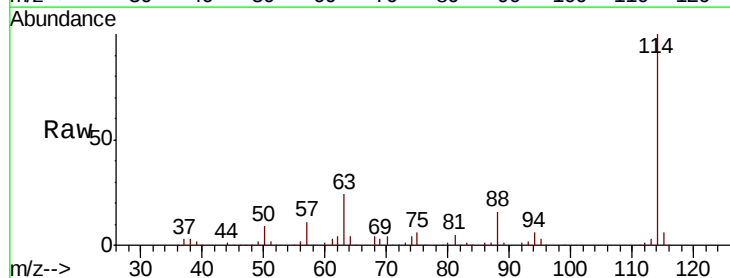
Instrument :
 MSVOA_U
 ClientSampleId :
 OILY-WATER

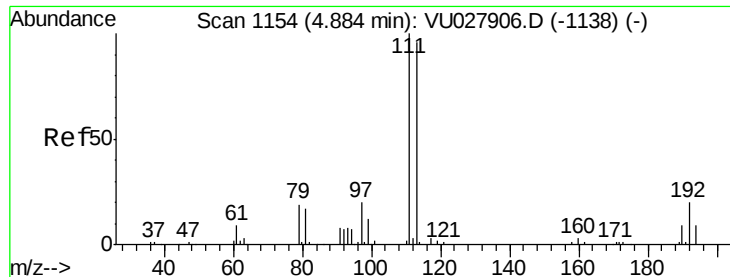
Tot Ion: 65 Resp: 145606
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027921.D
 Acq: 02 Nov 2018 13:17

Tgt Ion: 114 Resp: 332543
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 50.8
 88 16.0 0.0 35.8





#35

Dibromofluoromethane

Concen: 52.523 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027921.D

Acq: 02 Nov 2018 13:17

Instrument :

MSVOA_U

ClientSampleId :

OILY-WATER

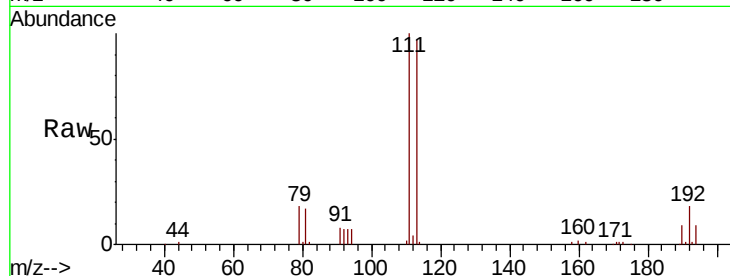
Tot Ion:113 Resp: 110127

Ion Ratio Lower Upper

113 100

111 103.6 83.0 124.6

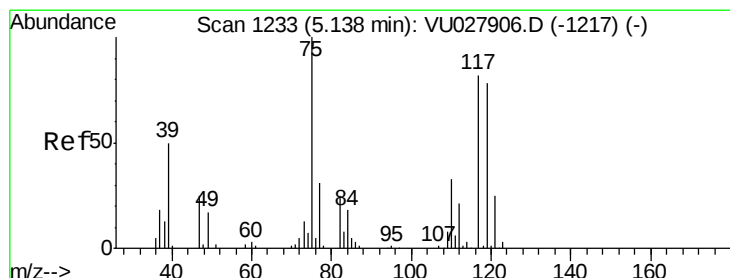
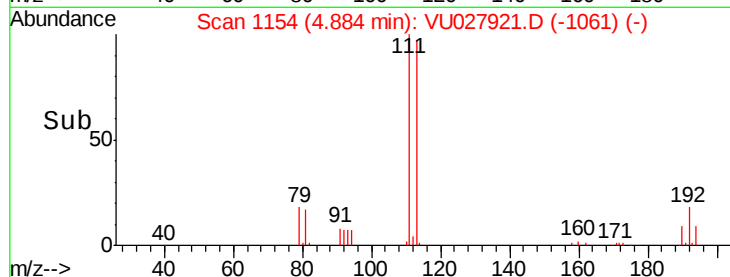
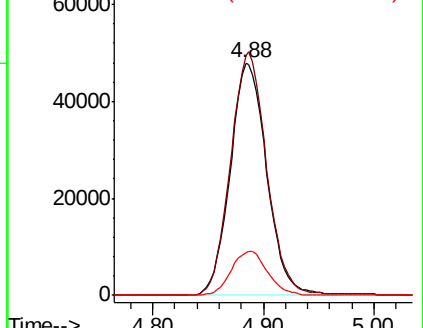
192 19.0 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.623 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027921.D

Acq: 02 Nov 2018 13:17

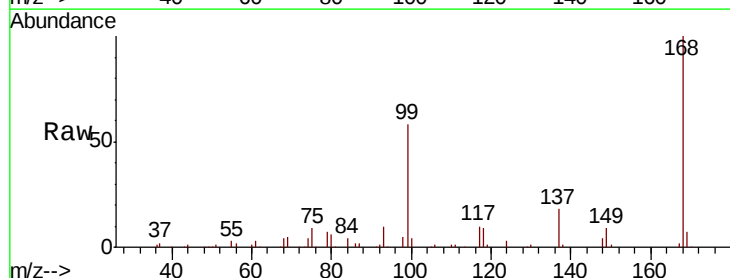
Tgt Ion: 75 Resp: 16100

Ion Ratio Lower Upper

75 100

110 3.7 16.5 49.5#

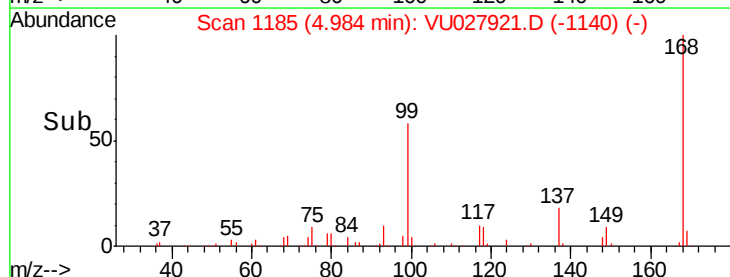
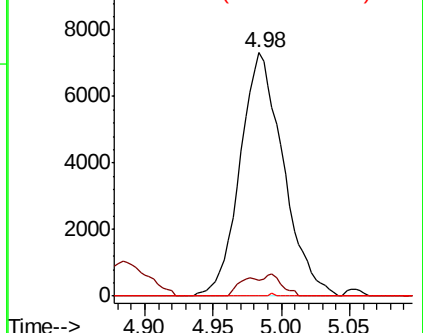
77 0.0 24.9 37.3#

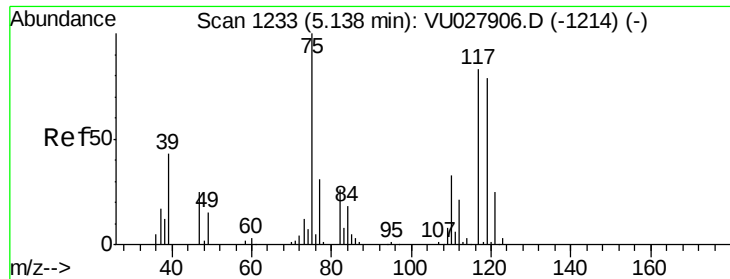


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

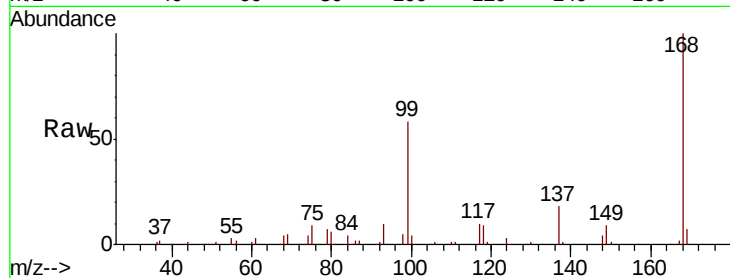




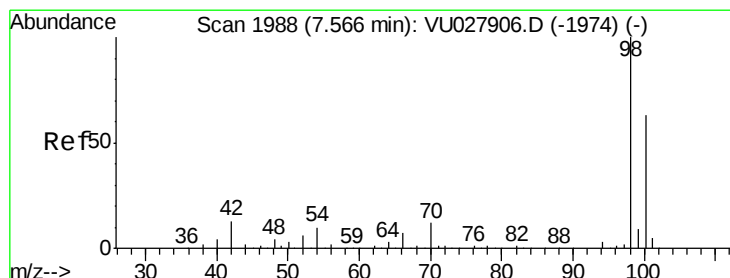
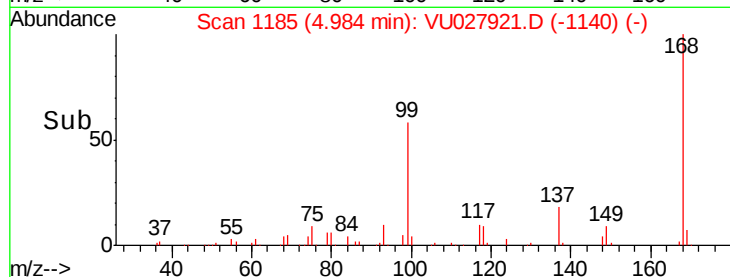
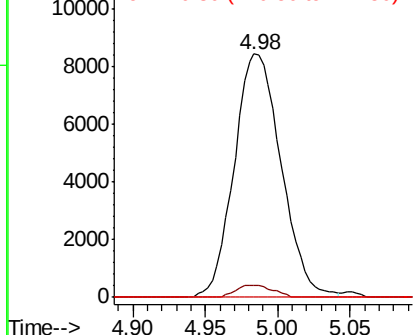
#38
Carbon Tetrachloride
Concen: 6.163 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU027921.D
Acq: 02 Nov 2018 13:17

Instrument :
MSVOA_U
ClientSampleId :
OILY-WATER

Tot Ion:117 Resp: 19021
Ion Ratio Lower Upper
117 100
119 5.0 76.0 114.0#
121 0.0 24.5 36.7#

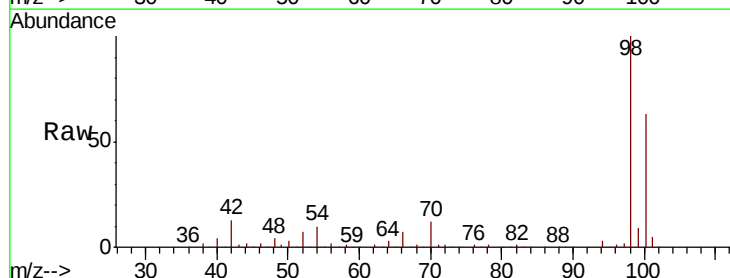


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

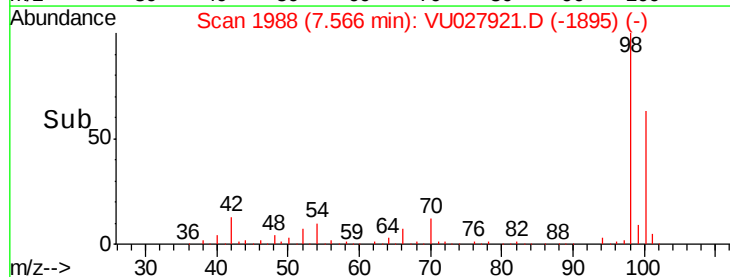
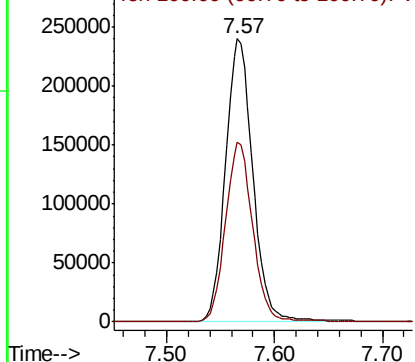


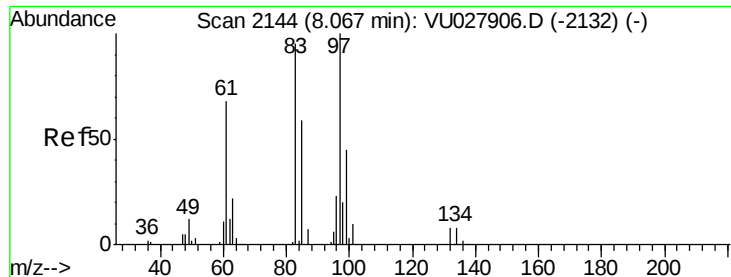
#50
Toluene-d8
Concen: 52.401 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027921.D
Acq: 02 Nov 2018 13:17

Tgt Ion: 98 Resp: 424425
Ion Ratio Lower Upper
98 100
100 63.5 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

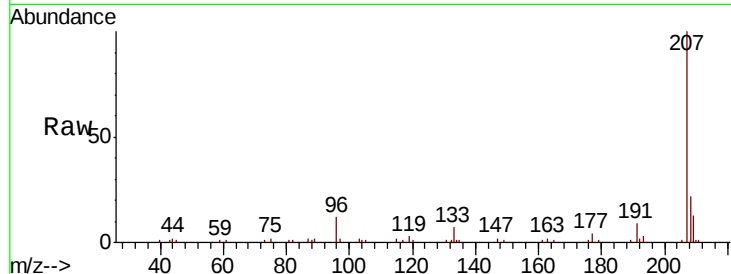




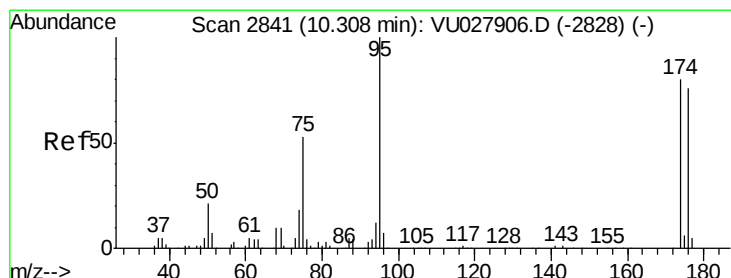
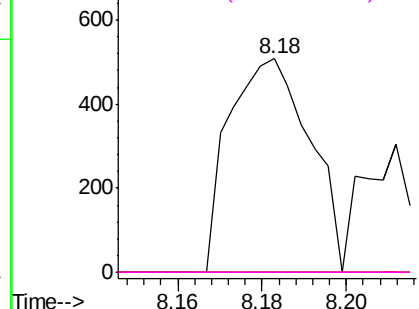
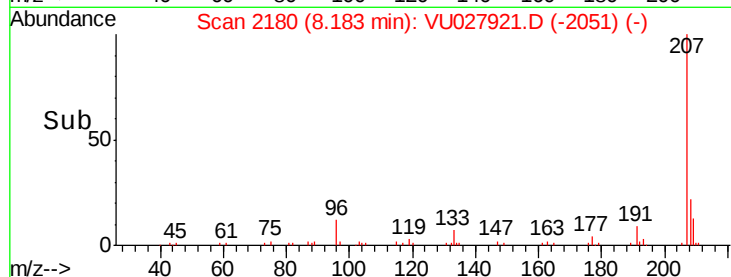
#55
 1,1,2-Trichloroethane
 Concen: 0.265 ug/l
 RT: 8.18 min Scan# 2180
 Delta R.T. 0.12 min
 Lab File: VU027921.D
 Acq: 02 Nov 2018 13:17

Instrument :
 MSVOA_U
 ClientSampleId :
 OILY-WATER

Tot Ion: 97 Resp: 676
 Ion Ratio Lower Upper
 97 100
 83 0.0 76.1 114.1#
 85 0.0 48.9 73.3#
 99 0.0 52.0 78.0#

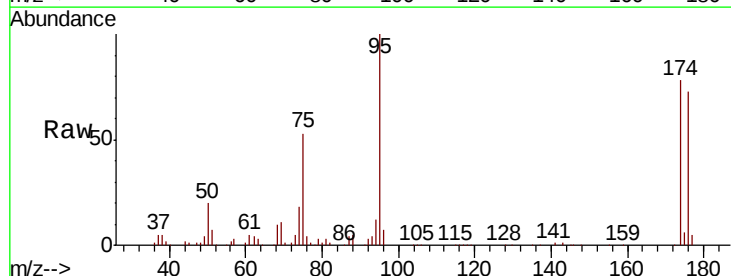


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

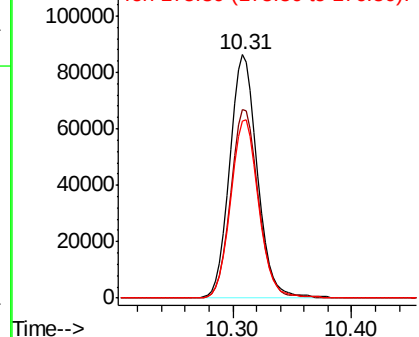
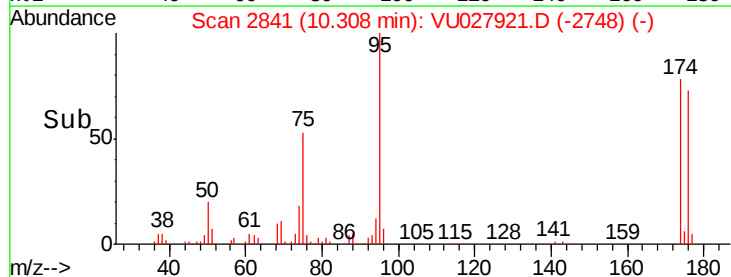


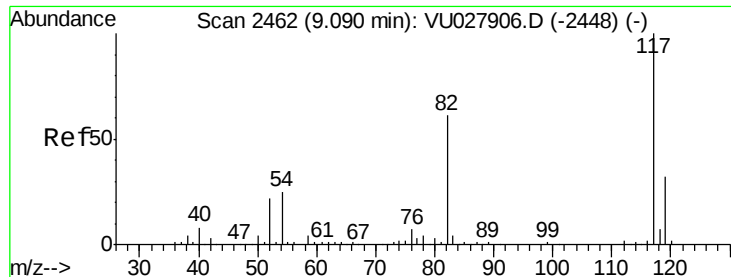
#62
 4-Bromofluorobenzene
 Concen: 46.500 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027921.D
 Acq: 02 Nov 2018 13:17

Tgt Ion: 95 Resp: 138917
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 156.4
 176 74.4 0.0 150.8



Abundance Ion 94.90 (94.60 to 95.60): VU0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

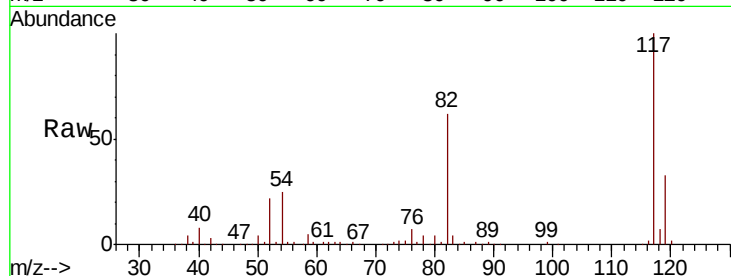




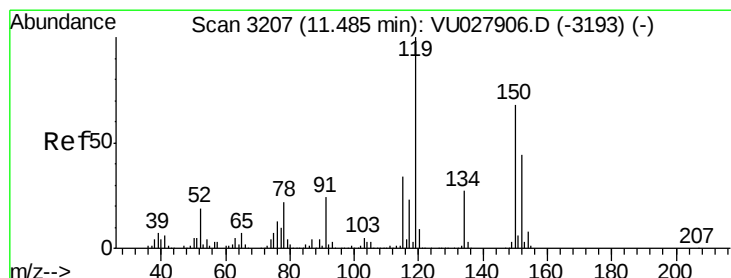
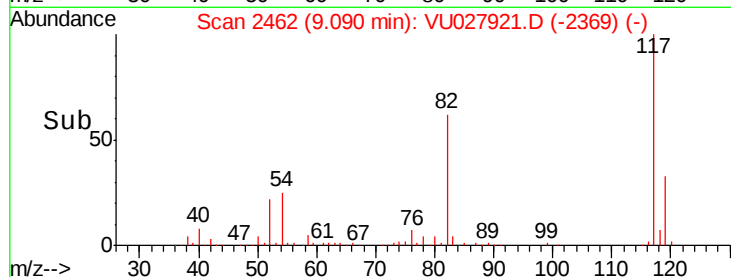
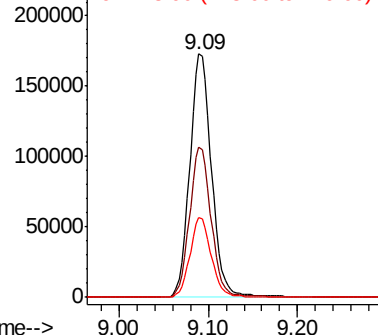
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027921.D
Acq: 02 Nov 2018 13:17

Instrument :
MSVOA_U
ClientSampleId :
OILY-WATER

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.8	48.6	73.0
119	33.0	25.8	38.8

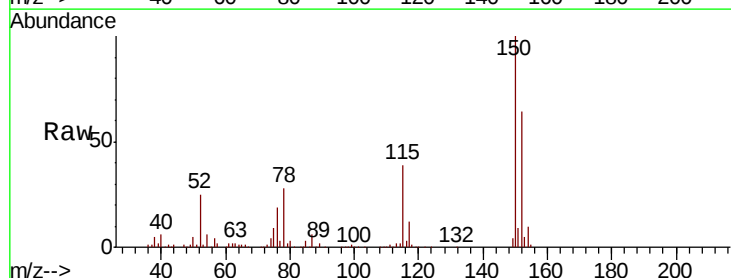


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

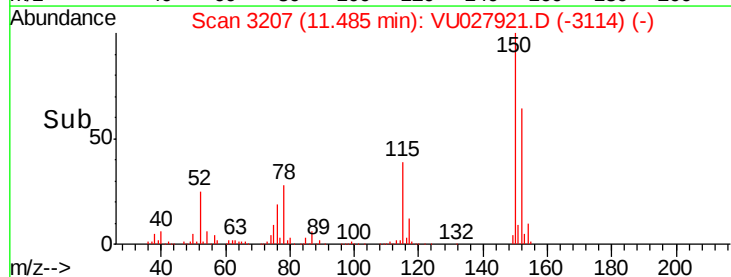
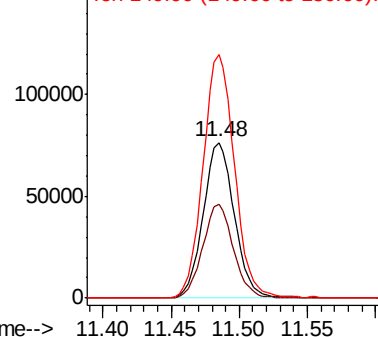


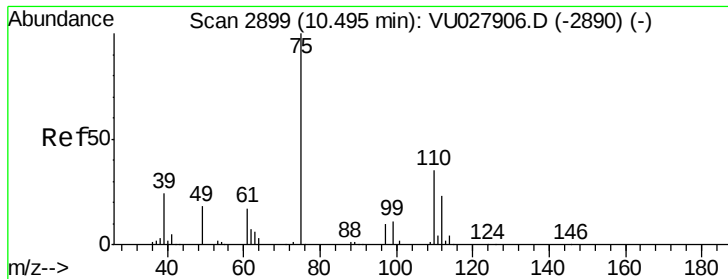
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027921.D
Acq: 02 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	43.0	129.0
150	157.6	0.0	349.4



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





#76

1,2,3-Trichloropropane

Concen: 21.808 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027921.D

Acq: 02 Nov 2018 13:17

Instrument :

MSVOA_U

ClientSampleId :

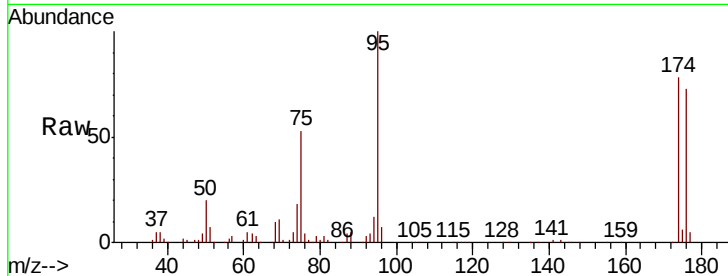
OILY-WATER

Tot Ion: 75 Resp: 72394

Ion Ratio Lower Upper

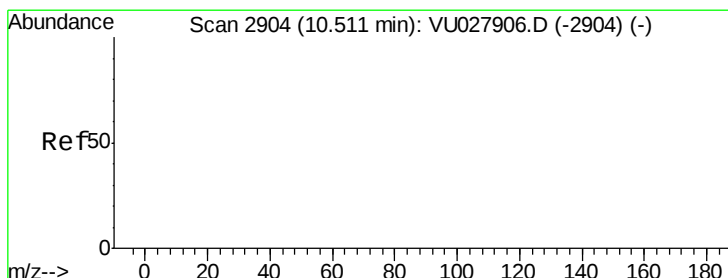
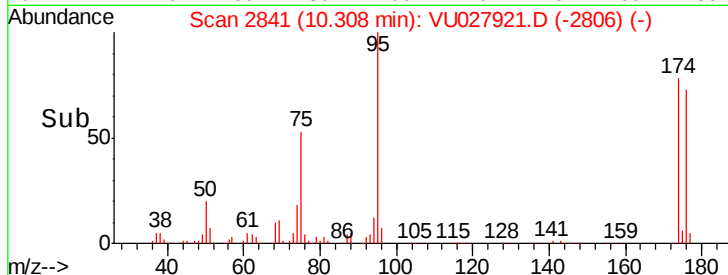
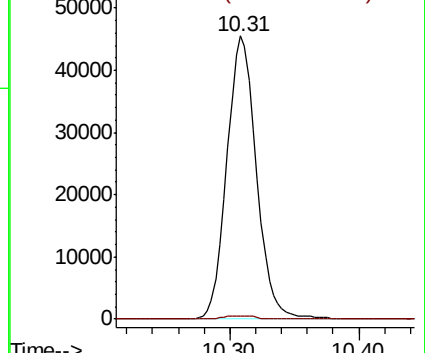
75 100

77 1.2 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#81

trans-1,4-Dichloro-2-butene

Concen: 54.427 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027921.D

Acq: 02 Nov 2018 13:17

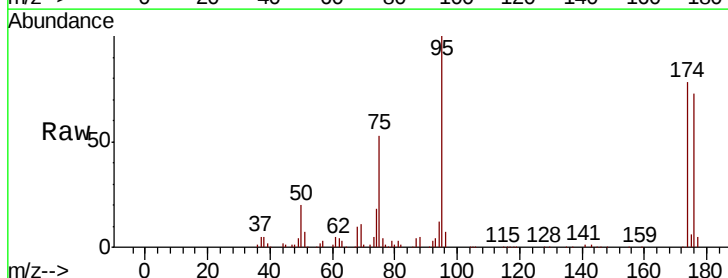
Tgt Ion: 75 Resp: 72394

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

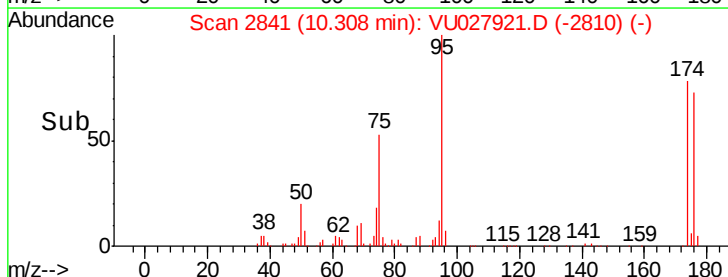
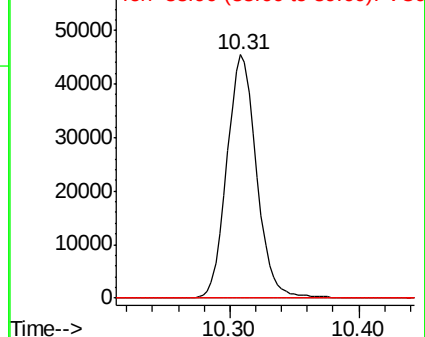
89 0.0 0.0 0.0

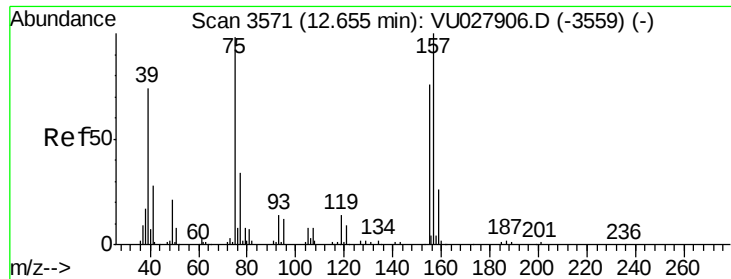


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.424 ug/l

RT: 12.48 min Scan# 3517

Delta R.T. -0.17 min

Lab File: VU027921.D

Acq: 02 Nov 2018 13:17

Instrument :

MSVOA_U

ClientSampleId :

OILY-WATER

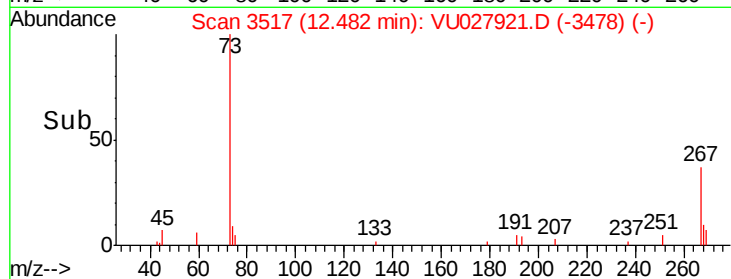
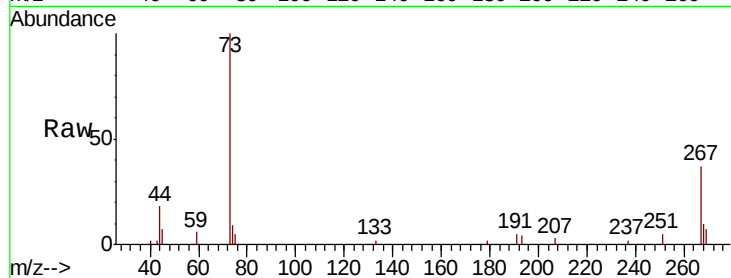
Tot Ion: 75 Resp: 339

Ion Ratio Lower Upper

75 100

155 0.0 39.8 119.3#

157 0.0 50.6 151.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

