

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
 Data File : VU027479.D
 Acq On : 06 Oct 2018 01:22
 Operator : MD/SY
 Sample : J5244-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 OILY-WATER

Quant Time: Oct 06 02:23:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	98968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	174166	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	166636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	91697	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	98393	59.54	ug/l	0.00
Spiked Amount			Recovery	=	119.08%	
35) Dibromofluoromethane	4.88	113	69257	58.02	ug/l	0.00
Spiked Amount			Recovery	=	116.04%	
50) Toluene-d8	7.57	98	267987	59.99	ug/l	0.00
Spiked Amount			Recovery	=	119.98%	
62) 4-Bromofluorobenzene	10.31	95	97375	58.65	ug/l	0.00
Spiked Amount			Recovery	=	117.30%	

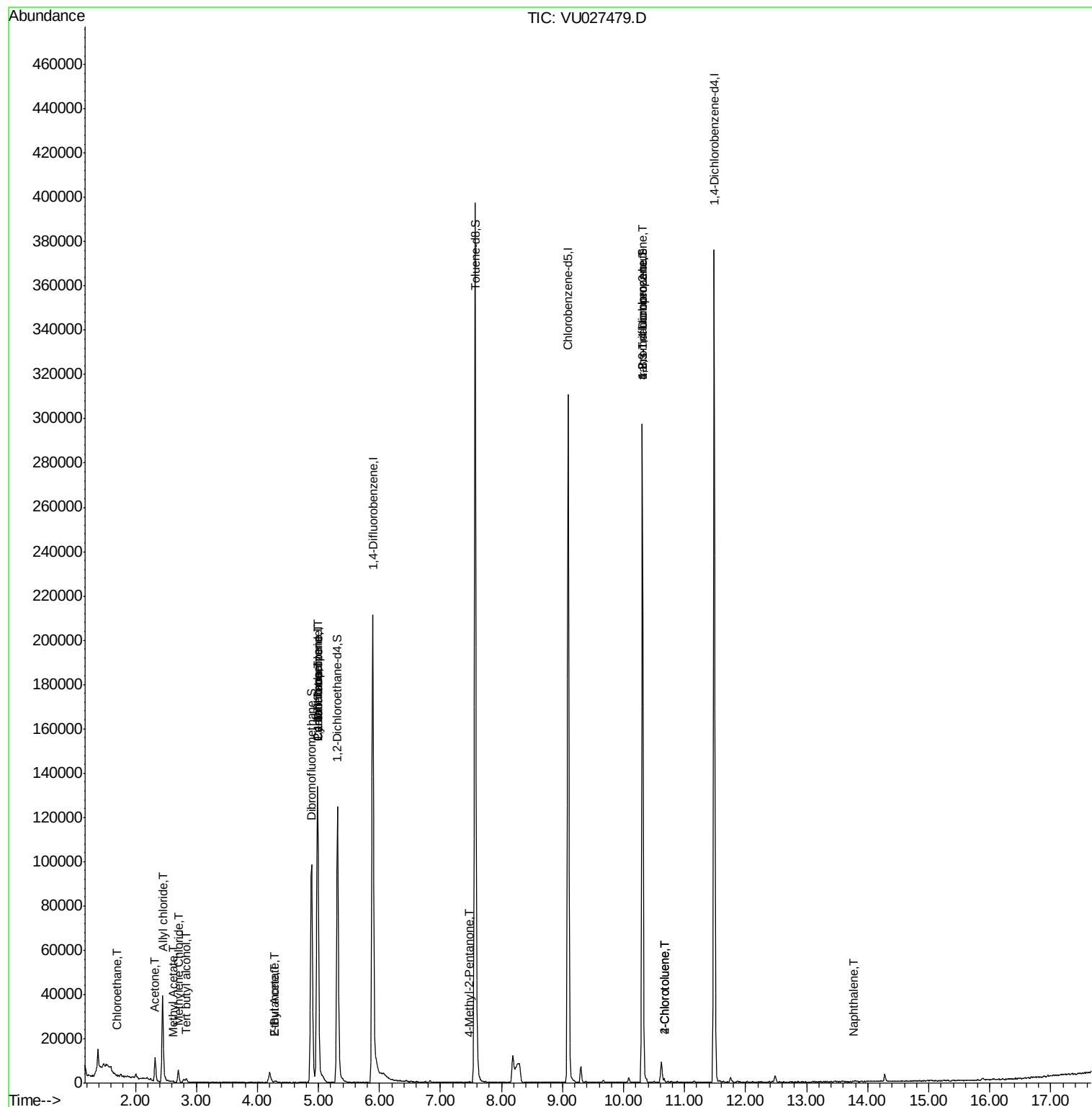
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	306	0.280	ug/l #	44
11) Tert butyl alcohol	2.83	59	2071	5.951	ug/l #	72
14) Allyl chloride	2.45	41	4187	1.687	ug/l #	75
16) Acetone	2.32	43	11950	12.240	ug/l	99
18) Methyl Acetate	2.62	43	483	0.217	ug/l #	56
20) Methylene Chloride	2.70	84	2249	1.654	ug/l	85
25) 2-Butanone	4.28	43	550	0.413	ug/l #	54
31) Cyclohexane	4.99	56	2211	0.599	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	9008	4.763	ug/l #	50
37) Ethyl Acetate	4.28	43	550	0.225	ug/l #	70
38) Carbon Tetrachloride	4.99	117	10029	5.871	ug/l #	17
51) 4-Methyl-2-Pentanone	7.47	43	547	0.222	ug/l #	38
76) 1,2,3-Trichloropropane	10.31	75	52233	21.974	ug/l #	37
79) 2-Chlorotoluene	10.66	91	1369	0.283	ug/l	88
81) trans-1,4-Dichloro-2-buten	10.31	75	52233	57.509	ug/l #	100
82) 4-Chlorotoluene	10.66	91	1369	0.250	ug/l	96
95) Naphthalene	13.76	128	439	1.721	ug/l #	69

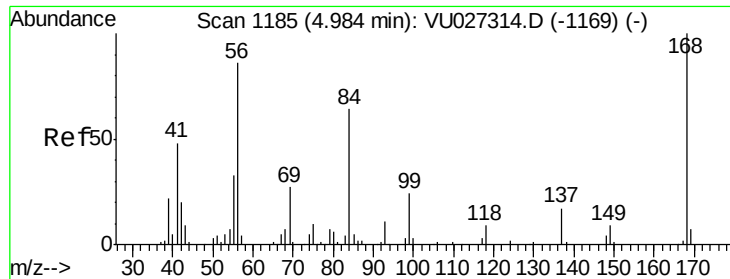
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027479.D

Acq: 06 Oct 2018 01:22

Instrument :

MSVOA_U

ClientSampleId :

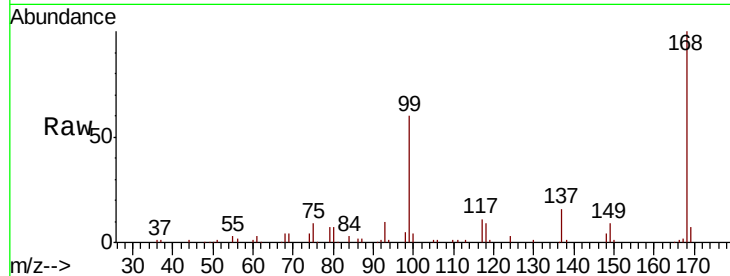
OILY-WATER

Tgt Ion:168 Resp: 98968

Ion Ratio Lower Upper

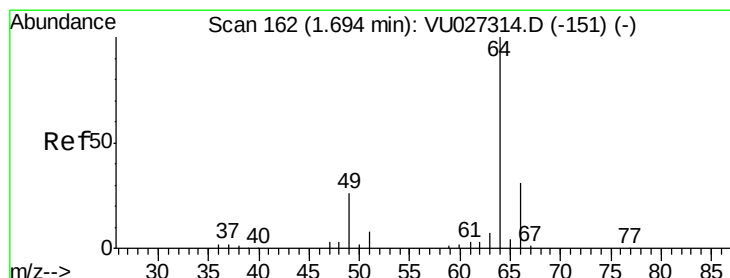
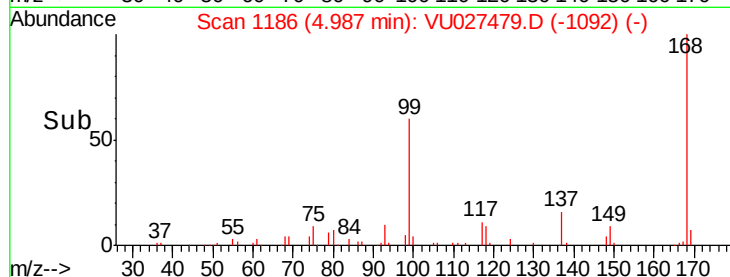
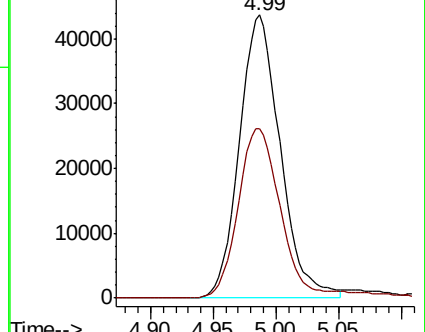
168 100

99 59.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027479.D (-1092) (-)



#6

Chloroethane

Concen: 0.280 ug/l

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU027479.D

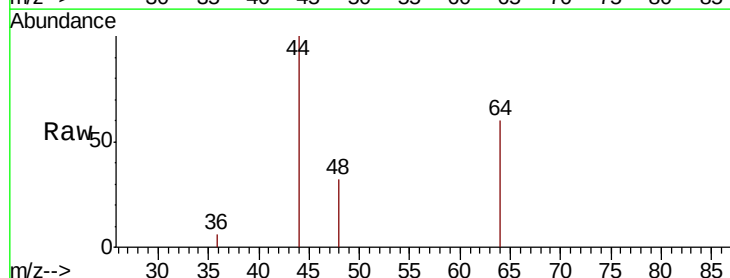
Acq: 06 Oct 2018 01:22

Tgt Ion: 64 Resp: 306

Ion Ratio Lower Upper

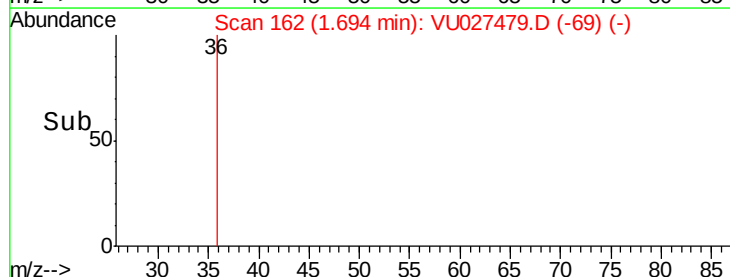
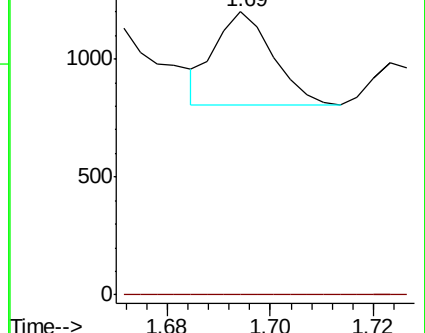
64 100

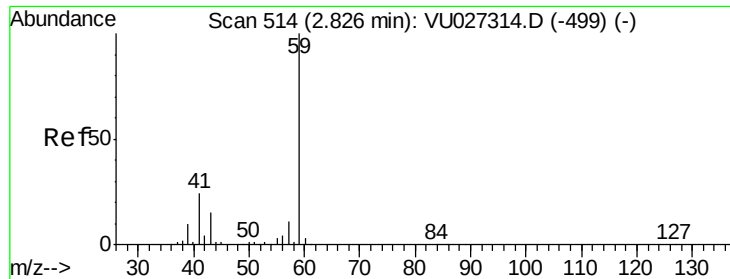
66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VU027314.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027479.D (-69) (-)



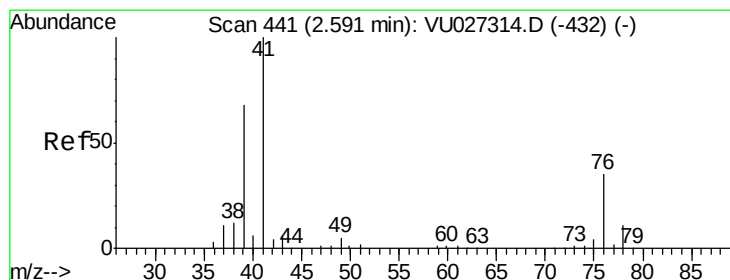
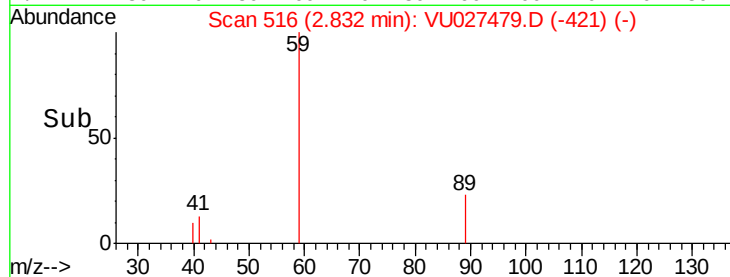
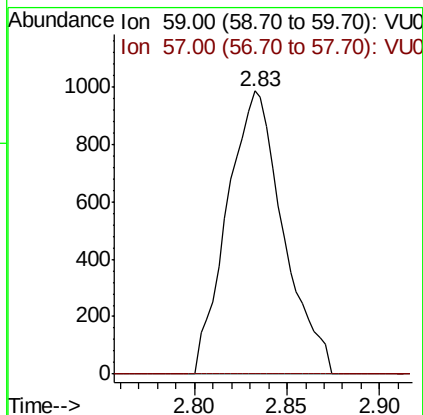
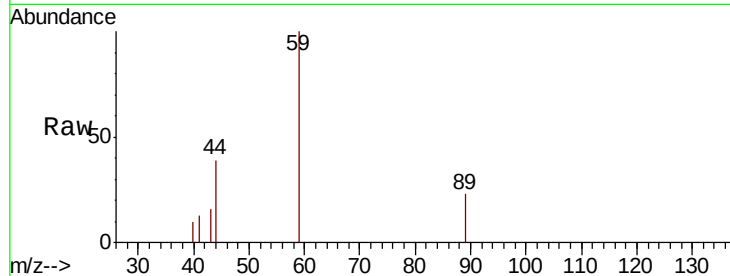


#11

Tert butyl alcohol
 Concen: 5.951 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU027479.D
 Acq: 06 Oct 2018 01:22

Instrument :
 MSVOA_U
 ClientSampleId :
 OILY-WATER

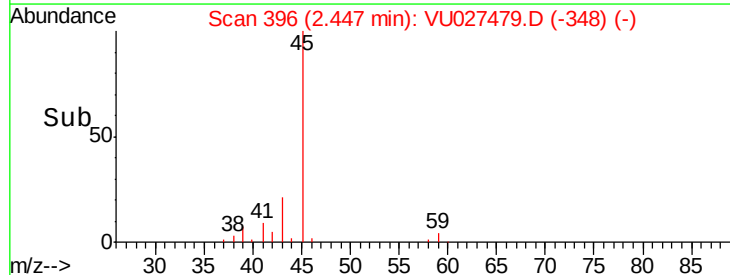
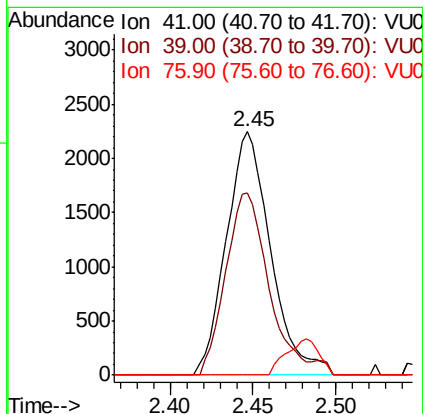
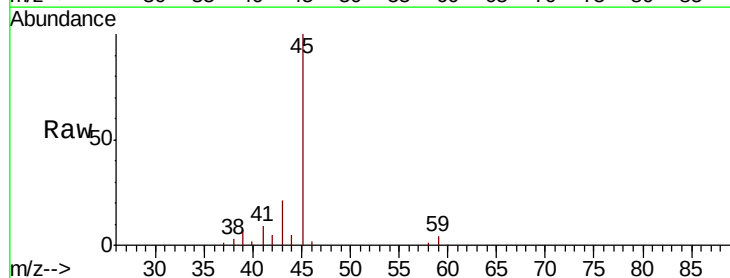
Tgt Ion: 59 Resp: 2071
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

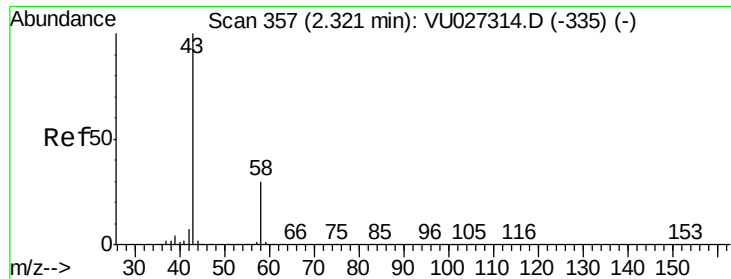


#14

Allyl chloride
 Concen: 1.687 ug/l
 RT: 2.45 min Scan# 396
 Delta R.T. -0.14 min
 Lab File: VU027479.D
 Acq: 06 Oct 2018 01:22

Tgt Ion: 41 Resp: 4187
 Ion Ratio Lower Upper
 41 100
 39 72.1 51.8 77.8
 76 0.0 25.9 38.9#





#16

Acetone

Concen: 12.240 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027479.D

Acq: 06 Oct 2018 01:22

Instrument :

MSVOA_U

ClientSampleId :

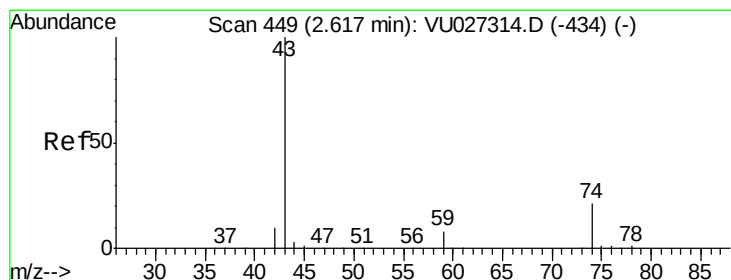
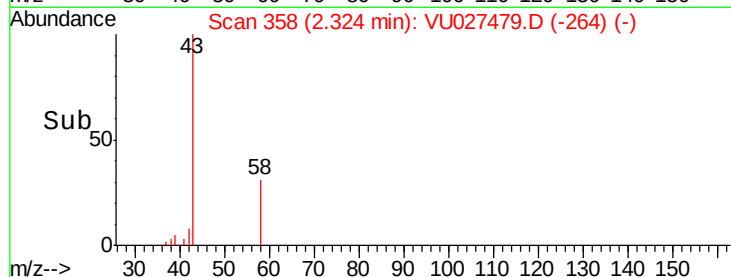
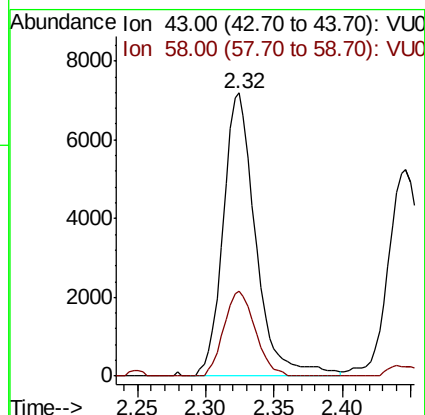
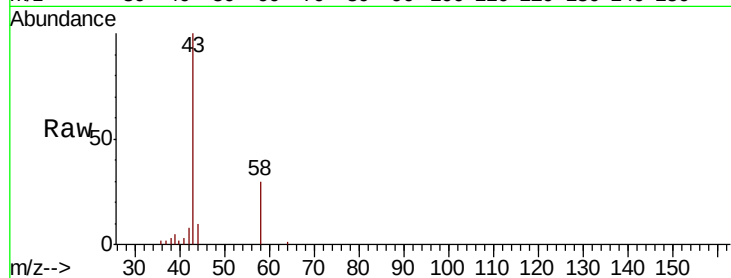
OILY-WATER

Tgt Ion: 43 Resp: 11950

Ion Ratio Lower Upper

43 100

58 30.0 24.2 36.4



#18

Methyl Acetate

Concen: 0.217 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027479.D

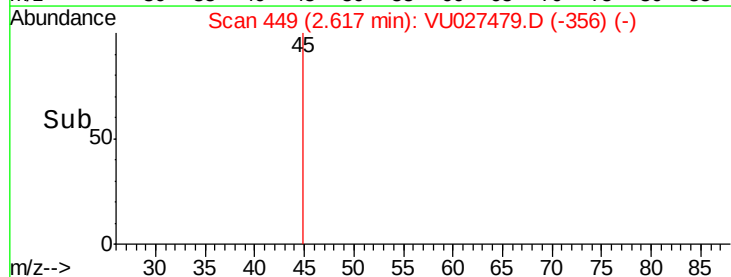
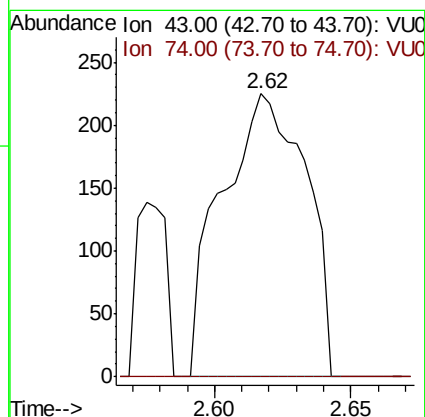
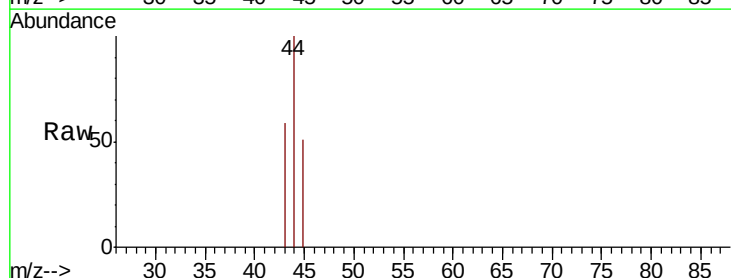
Acq: 06 Oct 2018 01:22

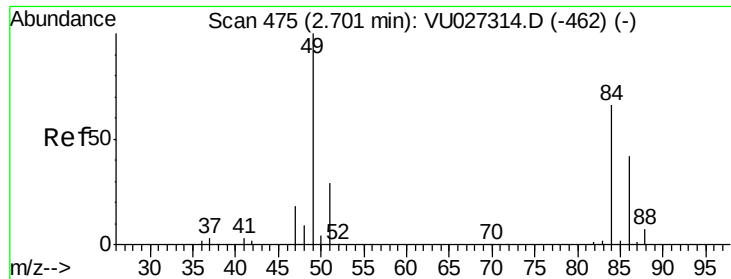
Tgt Ion: 43 Resp: 483

Ion Ratio Lower Upper

43 100

74 0.0 16.5 24.7#

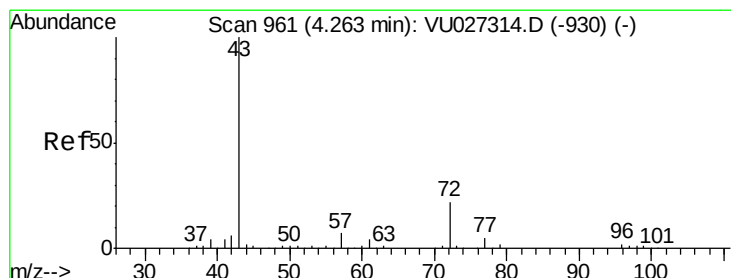
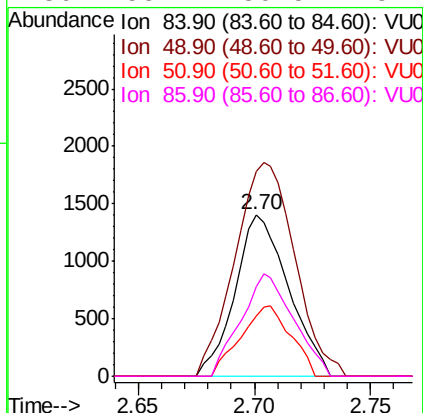
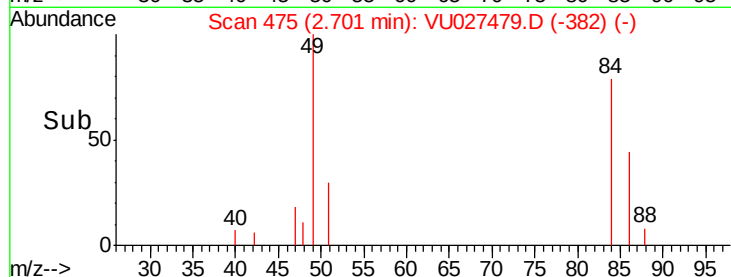
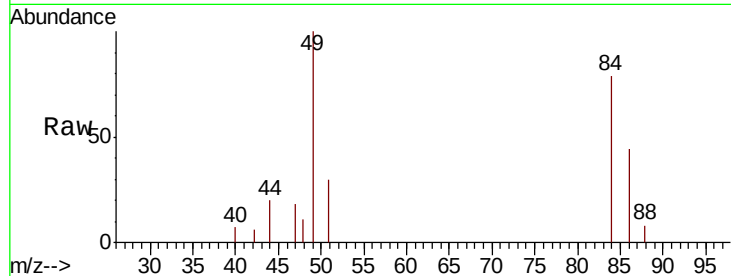




#20
Methylene Chloride
Concen: 1.654 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027479.D
Acq: 06 Oct 2018 01:22

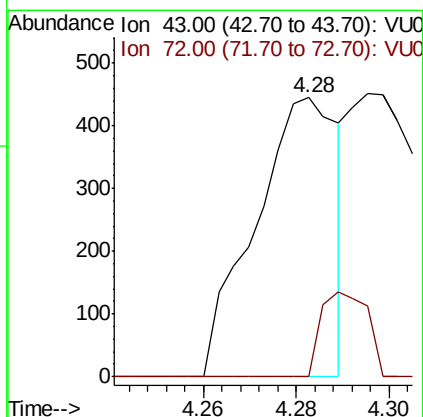
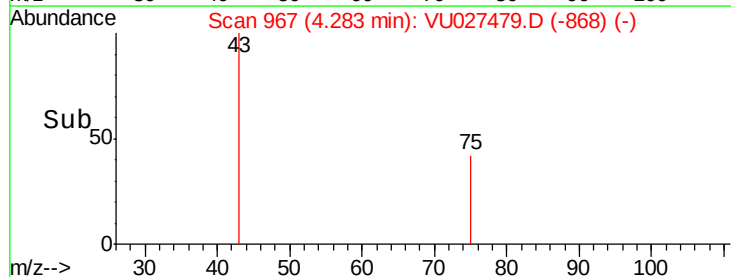
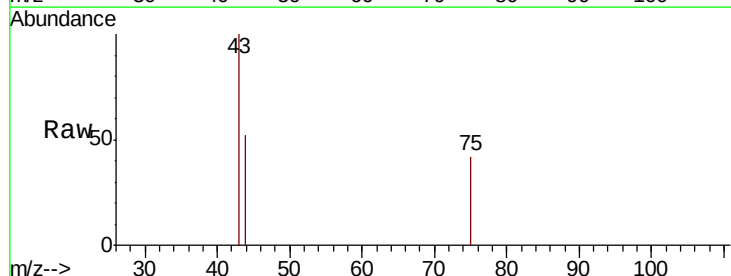
Instrument :
MSVOA_U
ClientSampleId :
OILY-WATER

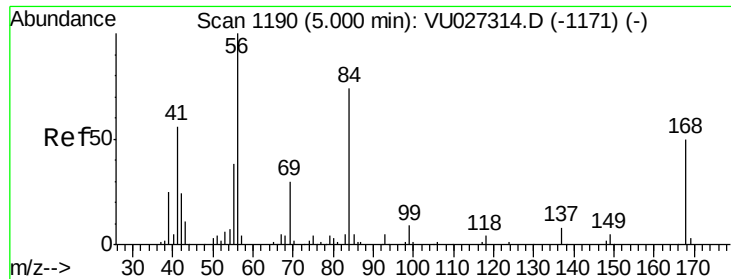
Tgt Ion: 84 Resp: 2249
Ion Ratio Lower Upper
84 100
49 126.7 120.5 180.7
51 37.4 35.1 52.7
86 55.2 50.5 75.7



#25
2-Butanone
Concen: 0.413 ug/l
RT: 4.28 min Scan# 967
Delta R.T. 0.02 min
Lab File: VU027479.D
Acq: 06 Oct 2018 01:22

Tgt Ion: 43 Resp: 550
Ion Ratio Lower Upper
43 100
72 0.0 17.8 26.6#

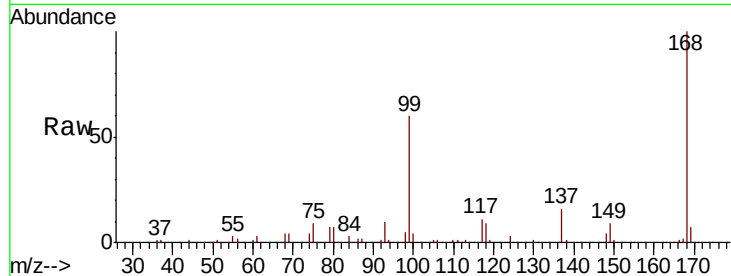




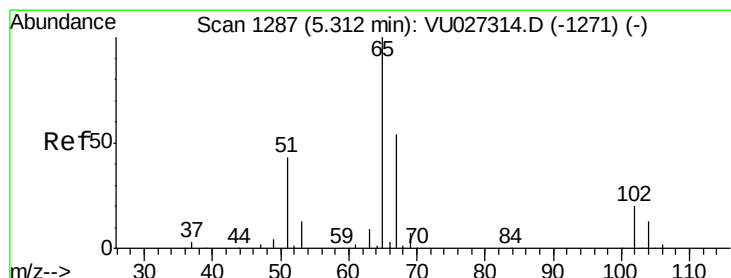
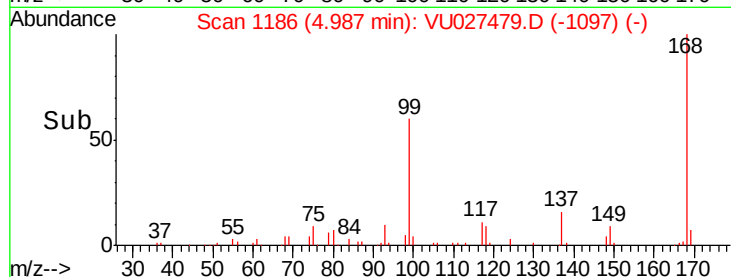
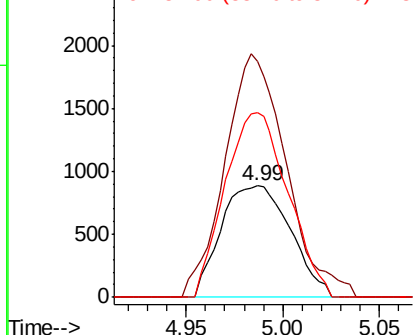
#31
Cyclohexane
Concen: 0.599 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027479.D
Acq: 06 Oct 2018 01:22

Instrument :
MSVOA_U
ClientSampleId :
OILY-WATER

Tgt Ion: 56 Resp: 2211
Ion Ratio Lower Upper
56 100
69 196.0 24.1 36.1#
84 165.8 59.1 88.7#

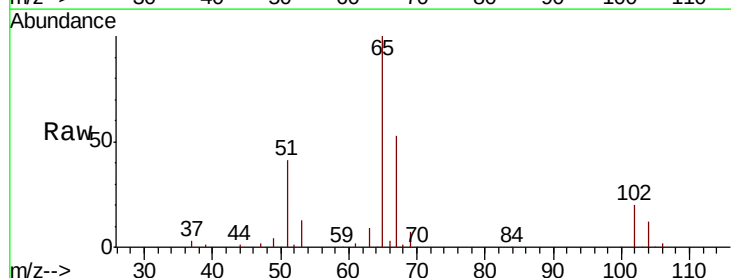


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

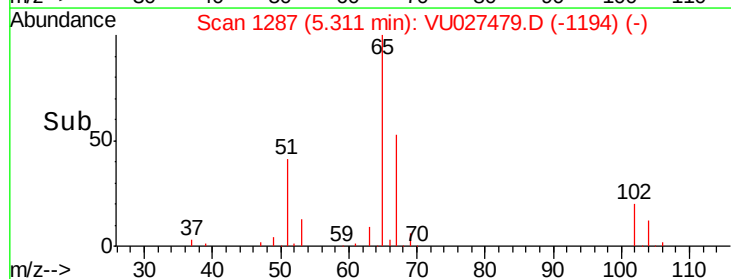
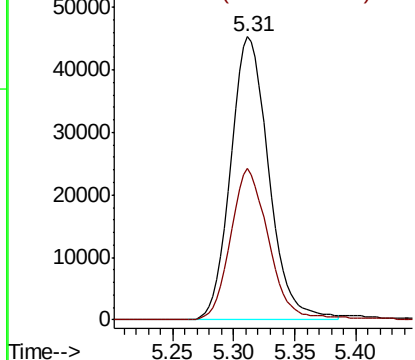


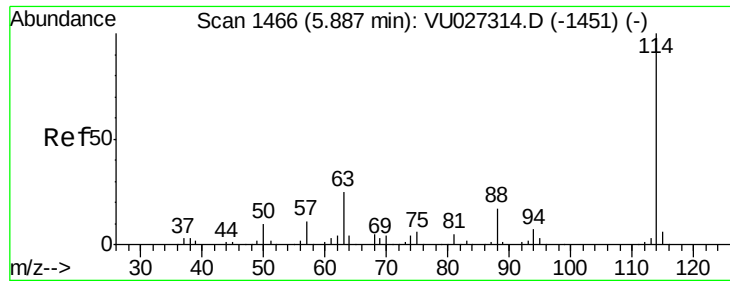
#33
1,2-Dichloroethane-d4
Concen: 59.539 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027479.D
Acq: 06 Oct 2018 01:22

Tgt Ion: 65 Resp: 98393
Ion Ratio Lower Upper
65 100
67 53.8 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

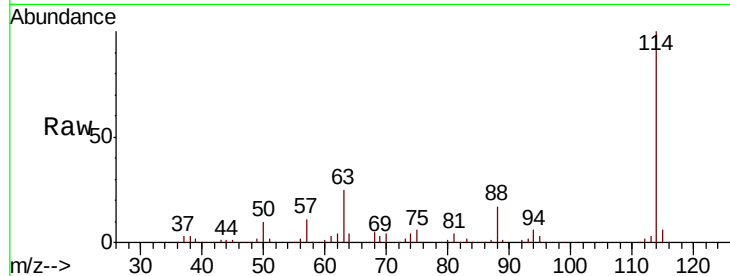




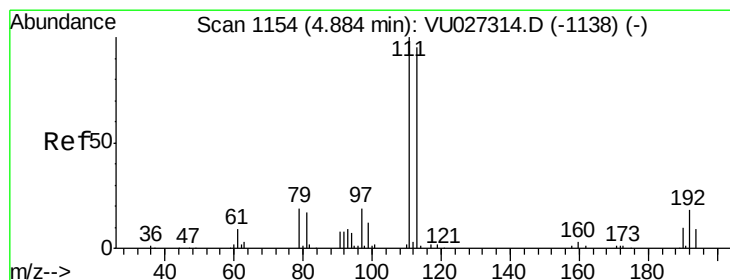
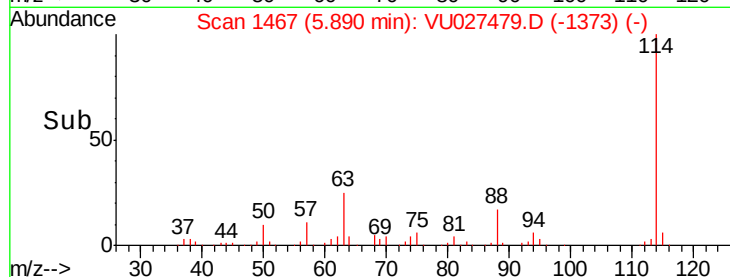
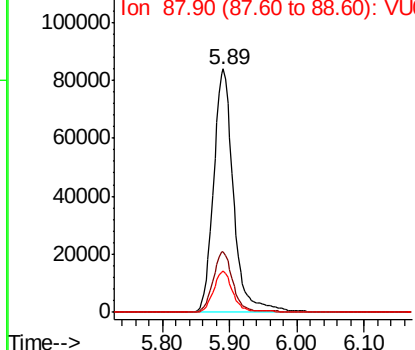
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027479.D
 Acq: 06 Oct 2018 01:22

Instrument :
 MSVOA_U
 ClientSampleId :
 OILY-WATER

Tgt Ion:114 Resp: 174166
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 50.2
 88 16.7 0.0 33.8

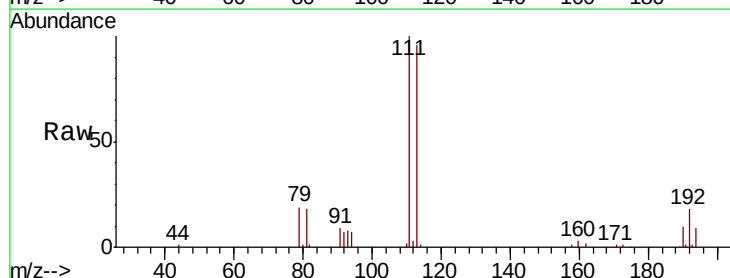


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

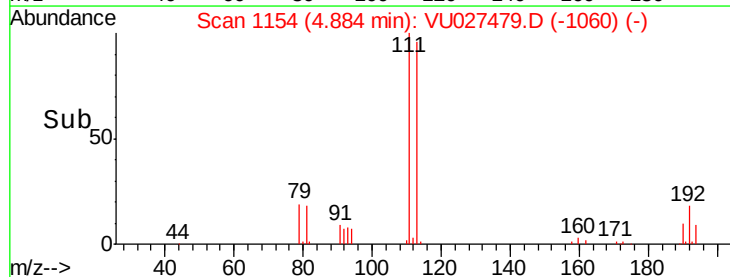
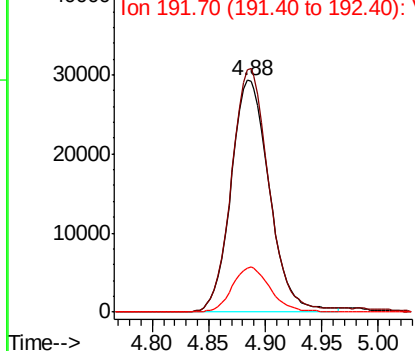


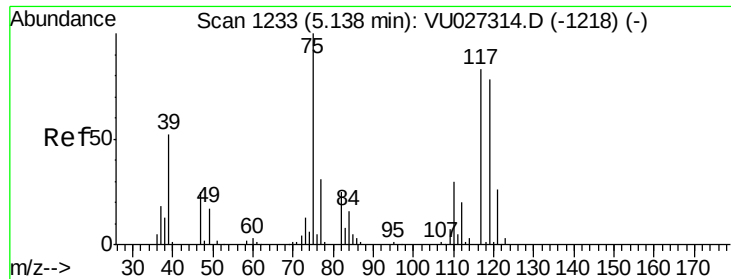
#35
 Dibromofluoromethane
 Concen: 58.023 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027479.D
 Acq: 06 Oct 2018 01:22

Tgt Ion:113 Resp: 69257
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.1 124.7
 192 19.1 15.4 23.0



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: 4.763 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027479.D

Acq: 06 Oct 2018 01:22

Instrument :

MSVOA_U

ClientSampleId :

OILY-WATER

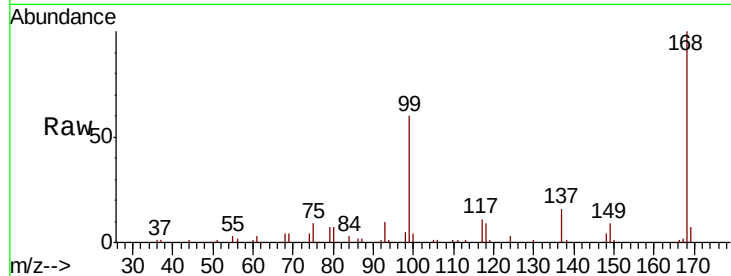
Tgt Ion: 75 Resp: 9008

Ion Ratio Lower Upper

75 100

110 7.2 15.5 46.5#

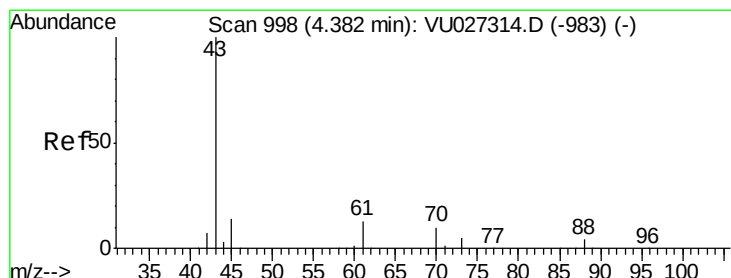
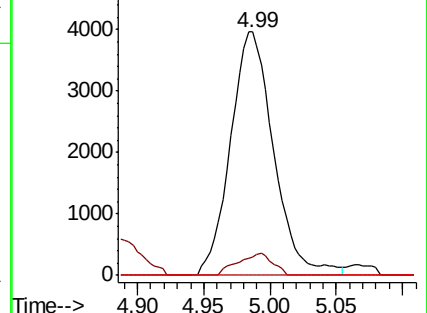
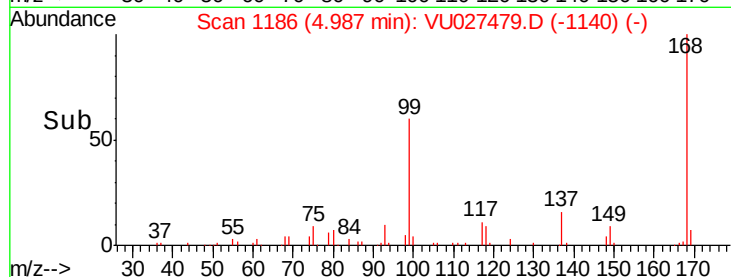
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VU027479.D (-1140) (-)

Ion 109.90 (109.60 to 110.60): VU027479.D (-1140) (-)

Ion 76.90 (76.60 to 77.60): VU027479.D (-1140) (-)



#37

Ethyl Acetate

Concen: 0.225 ug/l

RT: 4.28 min Scan# 967

Delta R.T. -0.10 min

Lab File: VU027479.D

Acq: 06 Oct 2018 01:22

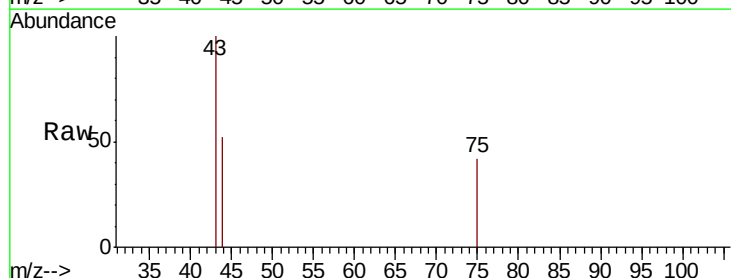
Tgt Ion: 43 Resp: 550

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

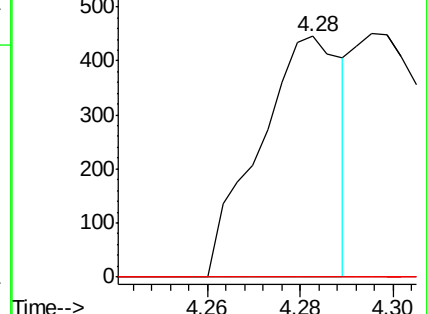
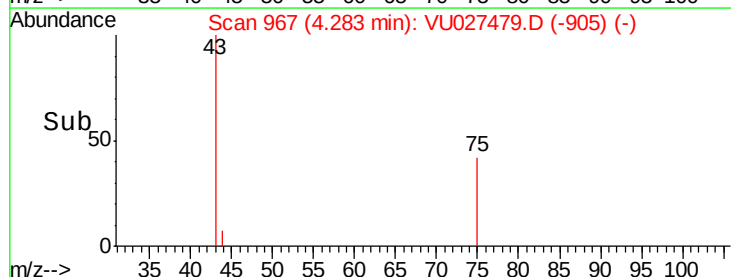
70 0.0 7.4 11.2#

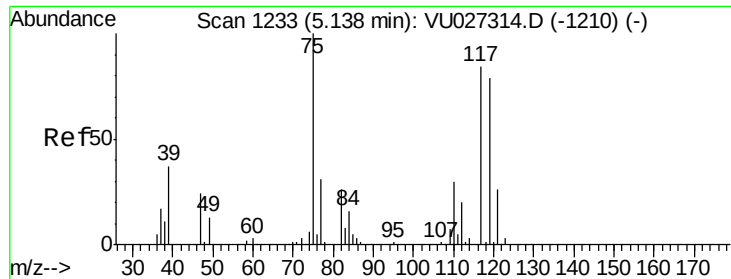


Abundance Ion 43.00 (42.70 to 43.70): VU027479.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU027479.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU027479.D (-905) (-)

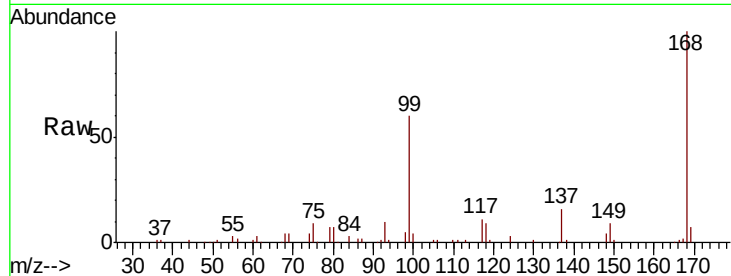




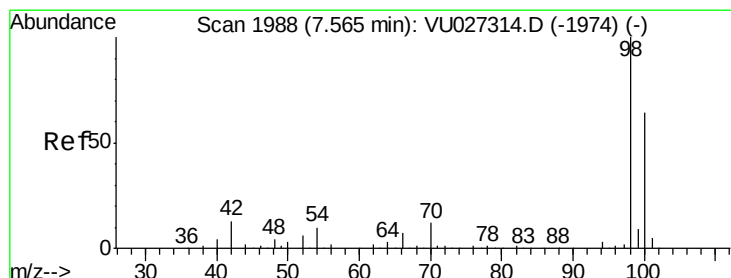
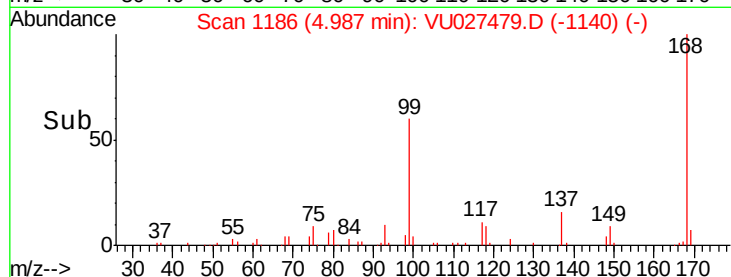
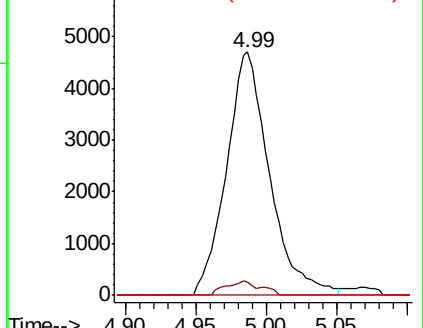
#38
Carbon Tetrachloride
Concen: 5.871 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027479.D
Acq: 06 Oct 2018 01:22

Instrument :
MSVOA_U
ClientSampleId :
OILY-WATER

Tgt Ion:117 Resp: 10029
Ion Ratio Lower Upper
117 100
119 5.3 74.5 111.7#
121 0.0 24.6 37.0#

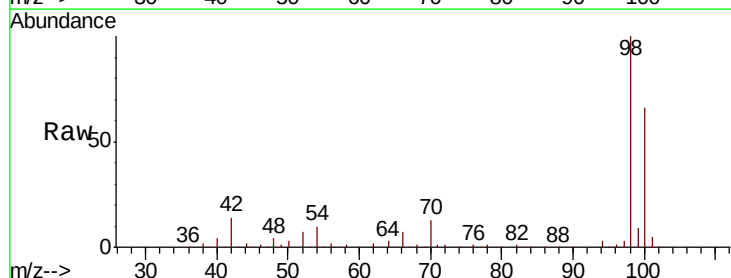


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

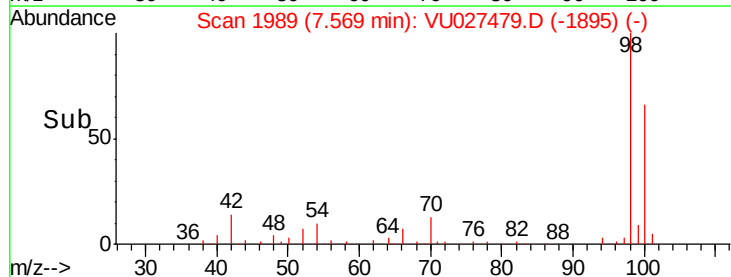
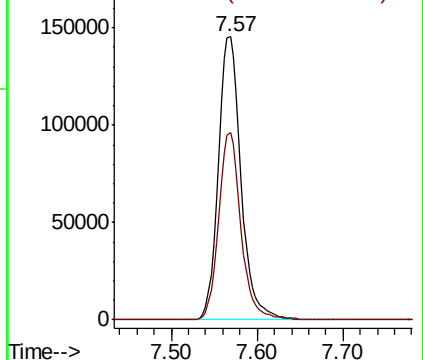


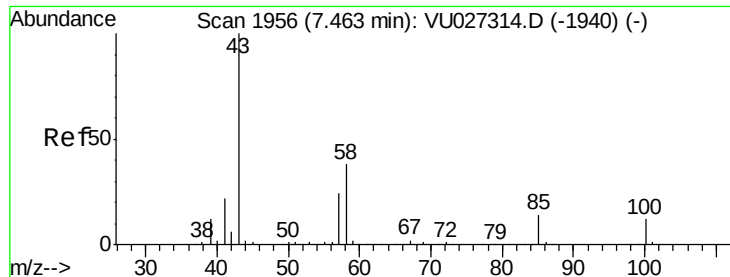
#50
Toluene-d8
Concen: 59.988 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027479.D
Acq: 06 Oct 2018 01:22

Tgt Ion: 98 Resp: 267987
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



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

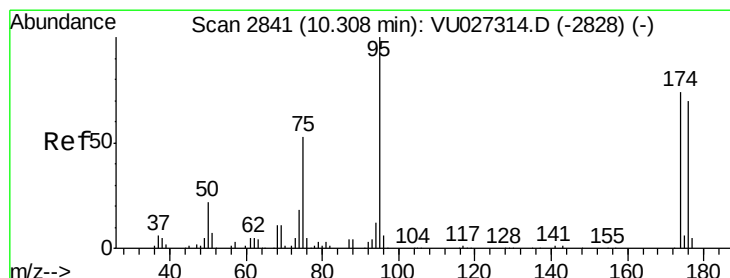
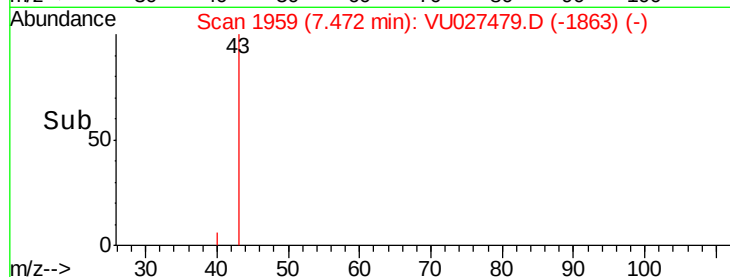
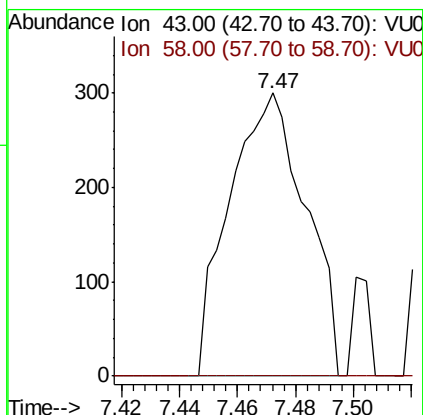
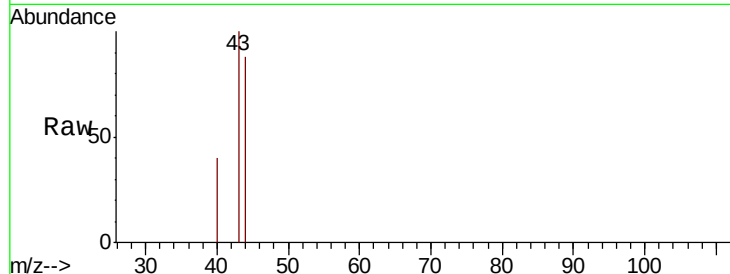




#51
 4-Methyl-2-Pentanone
 Concen: 0.222 ug/l
 RT: 7.47 min Scan# 1959
 Delta R.T. 0.01 min
 Lab File: VU027479.D
 Acq: 06 Oct 2018 01:22

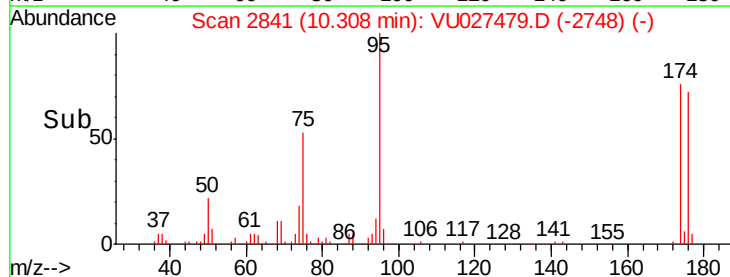
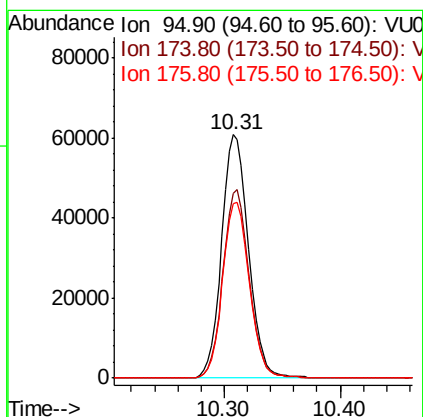
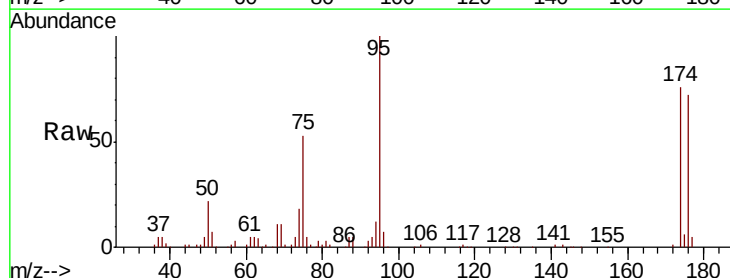
Instrument :
 MSVOA_U
 ClientSampleId :
 OILY-WATER

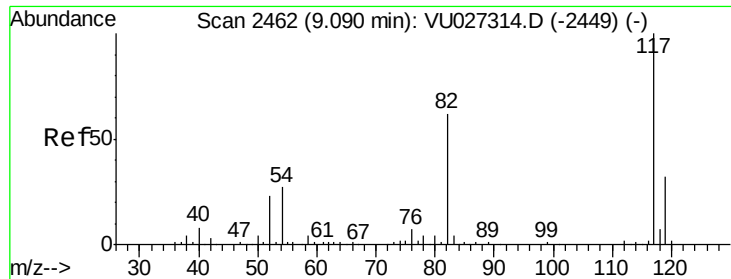
Tgt Ion: 43 Resp: 547
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.8 44.8#



#62
 4-Bromofluorobenzene
 Concen: 58.652 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027479.D
 Acq: 06 Oct 2018 01:22

Tgt Ion: 95 Resp: 97375
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 147.8
 176 72.3 0.0 140.8

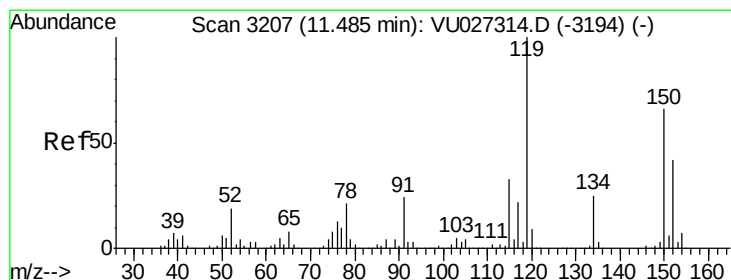
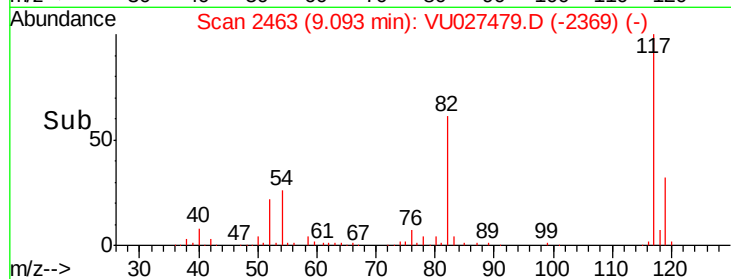
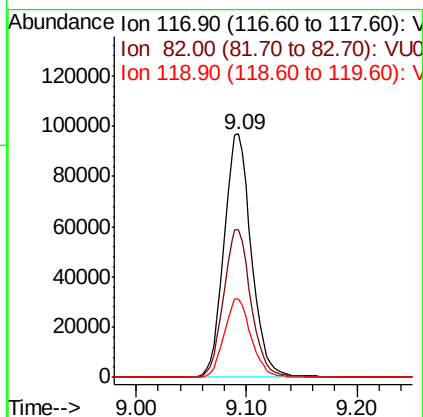
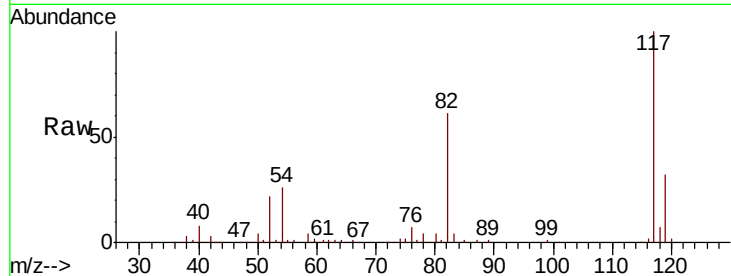




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027479.D
Acq: 06 Oct 2018 01:22

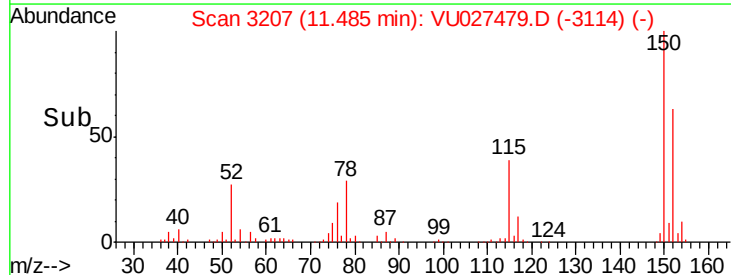
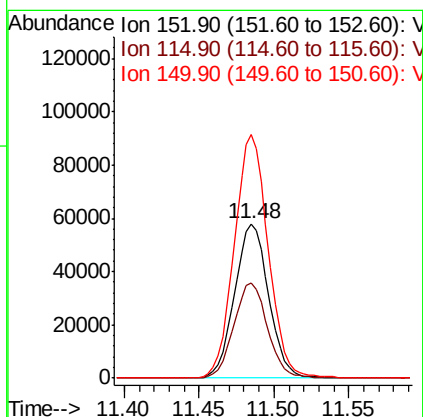
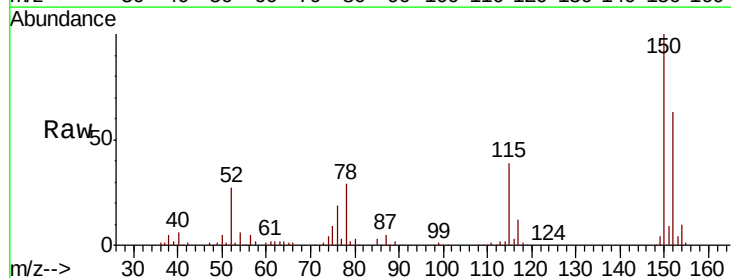
Instrument :
MSVOA_U
ClientSampleId :
OILY-WATER

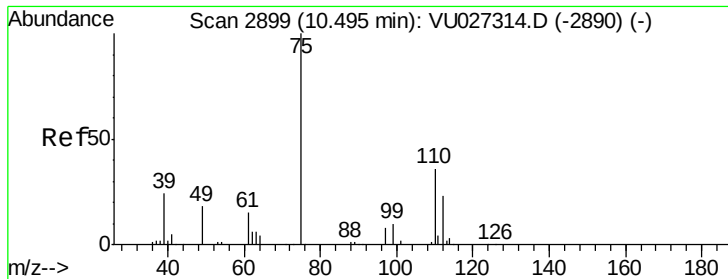
Tgt Ion:117 Resp: 166636
Ion Ratio Lower Upper
117 100
82 60.8 49.2 73.8
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027479.D
Acq: 06 Oct 2018 01:22

Tgt Ion:152 Resp: 91697
Ion Ratio Lower Upper
152 100
115 61.0 43.4 130.2
150 157.2 0.0 349.2

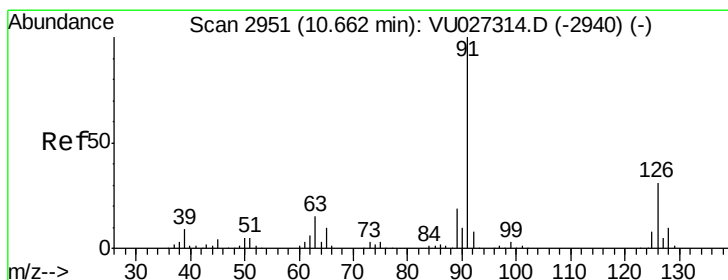
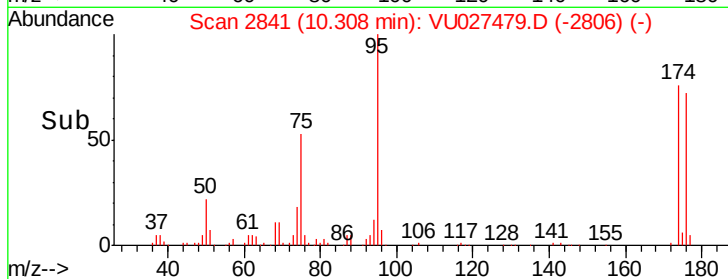
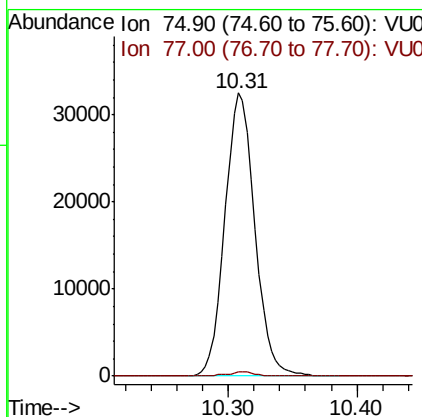
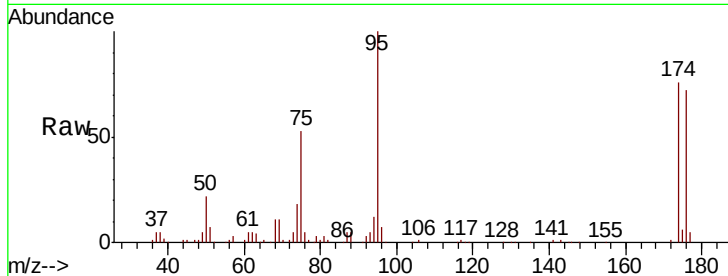




#76
 1,2,3-Trichloropropane
 Concen: 21.974 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027479.D
 Acq: 06 Oct 2018 01:22

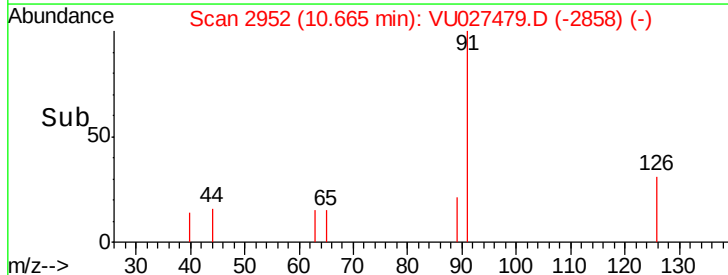
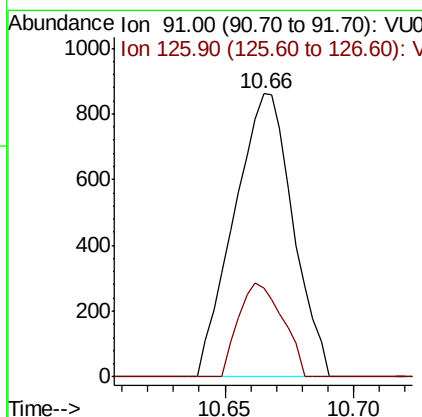
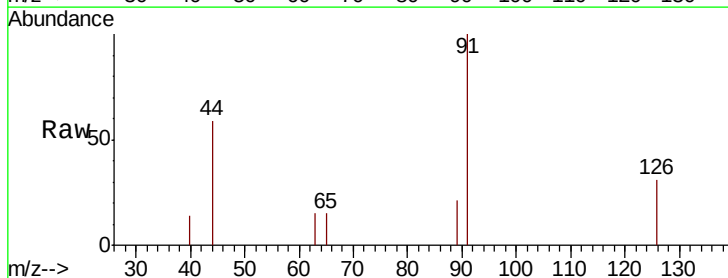
Instrument :
 MSVOA_U
 ClientSampleId :
 OILY-WATER

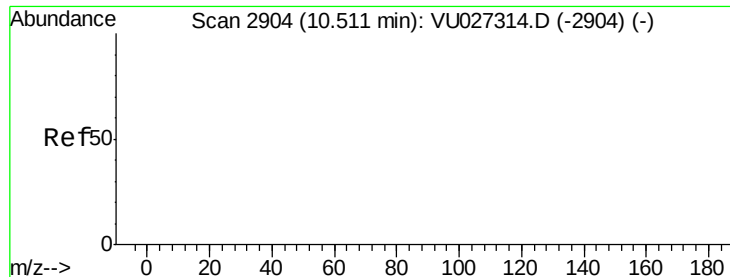
Tgt Ion: 75 Resp: 52233
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.3 60.9#



#79
 2-Chlorotoluene
 Concen: 0.283 ug/l
 RT: 10.66 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VU027479.D
 Acq: 06 Oct 2018 01:22

Tgt Ion: 91 Resp: 1369
 Ion Ratio Lower Upper
 91 100
 126 25.0 15.7 47.1





#81

trans-1,4-Dichloro-2-butene

Concen: 57.509 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

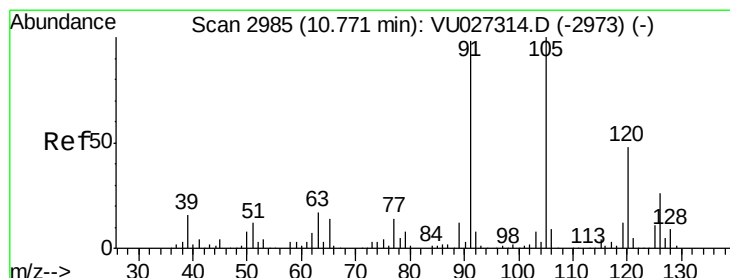
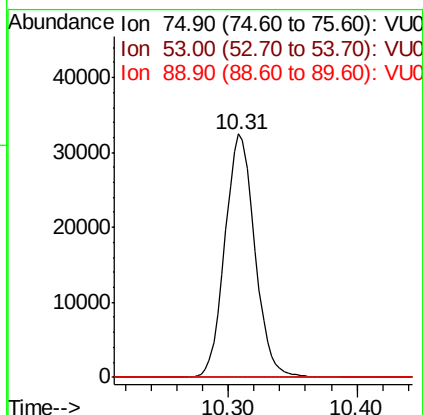
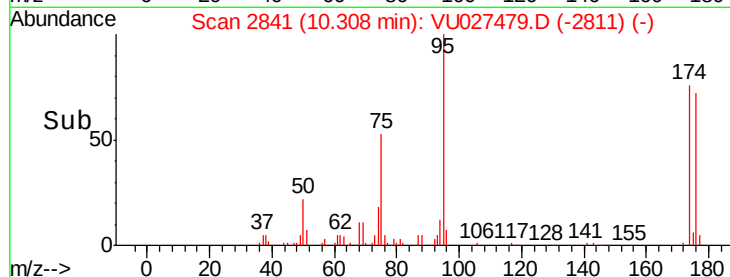
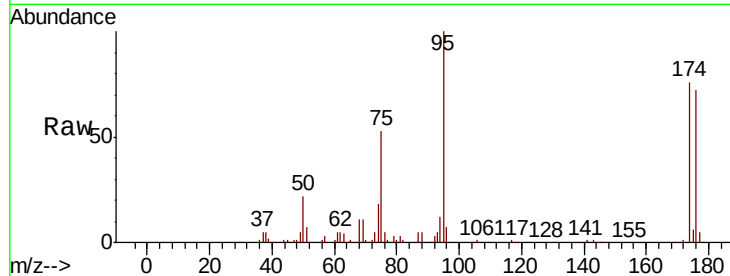
Lab File: VU027479.D

Acq: 06 Oct 2018 01:22

Instrument :
MSVOA_U
ClientSampleId :
OILY-WATER

Tgt Ion: 75 Resp: 52233

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



#82

4-Chlorotoluene

Concen: 0.250 ug/l

RT: 10.66 min Scan# 2952

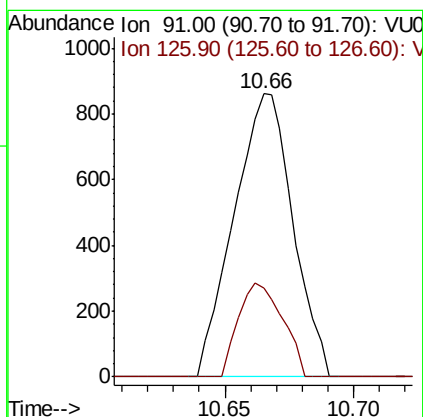
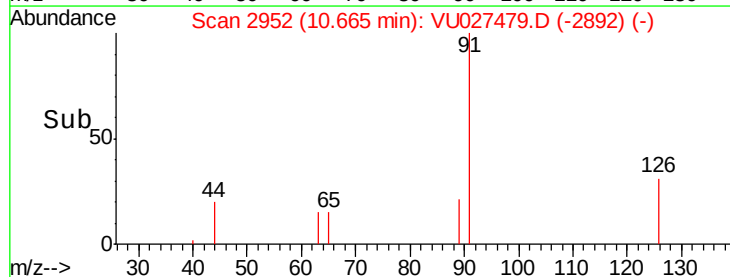
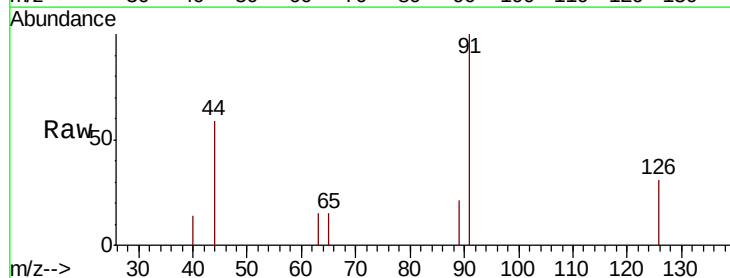
Delta R.T. -0.11 min

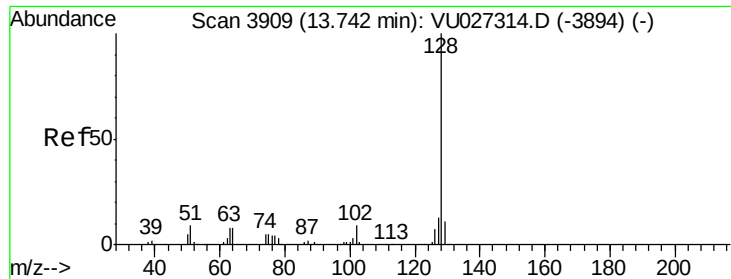
Lab File: VU027479.D

Acq: 06 Oct 2018 01:22

Tgt Ion: 91 Resp: 1369

Ion	Ratio	Lower	Upper
91	100		
126	25.0	13.6	40.8





#95

Naphthalene

Concen: 1.721 ug/l

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

Lab File: VU027479.D

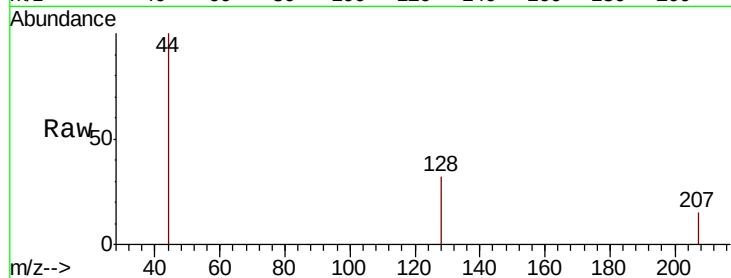
Acq: 06 Oct 2018 01:22

Instrument :

MSVOA_U

ClientSampleId :

OILY-WATER



Tgt Ion:128 Resp: 439

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#

