

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042220\
 Data File : VN061142.D
 Acq On : 22 Apr 2020 21:02
 Operator : JC/MD
 Sample : L2279-07 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER

Quant Time: Apr 29 13:45:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 15:26:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	183344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	300567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	287238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	140701	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.77	65	115544	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
35) Dibromofluoromethane	7.31	113	84169	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	9.88	98	368984	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.21	95	143313	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	

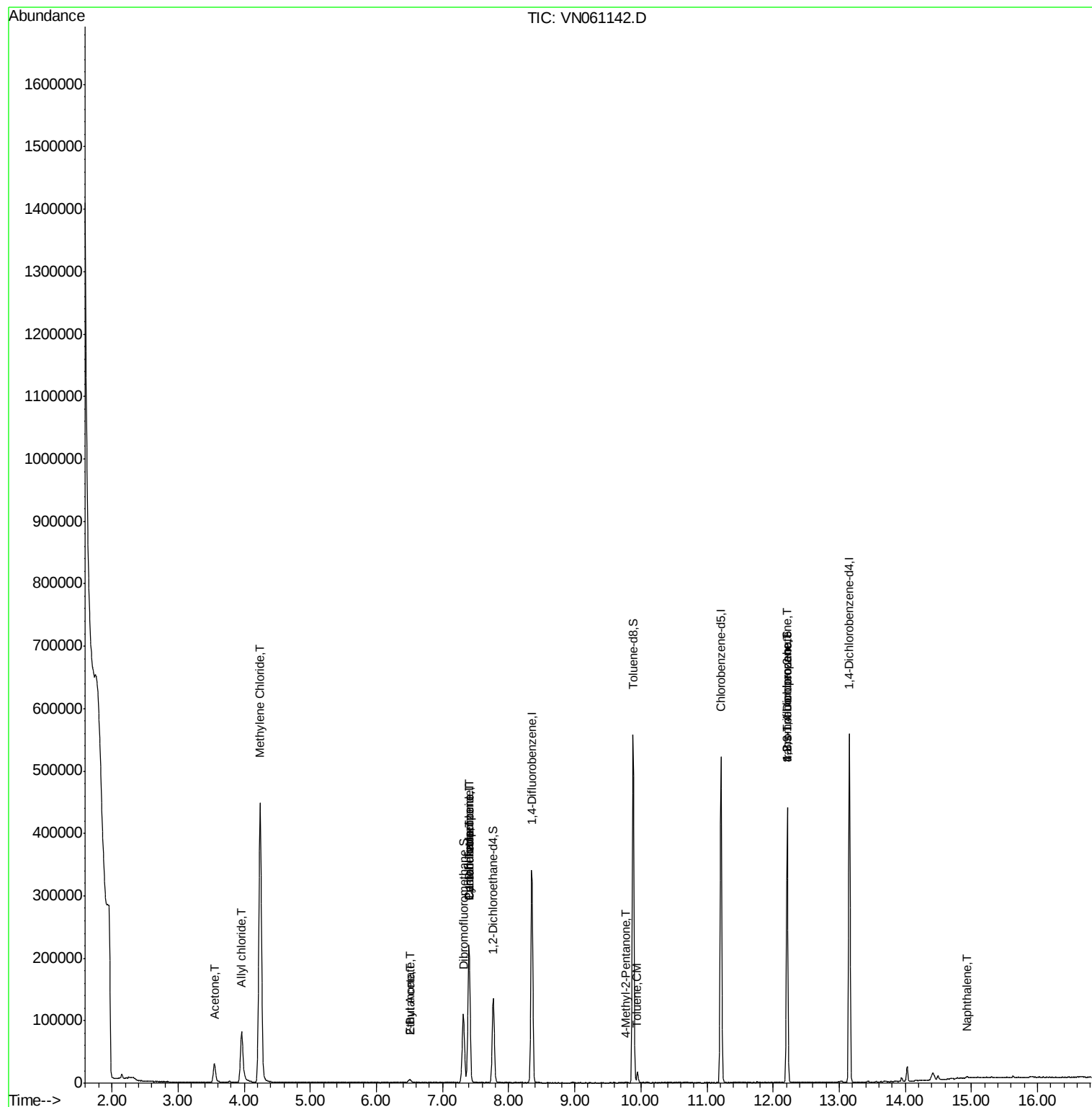
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	3.96	41	129194	54.21	ug/l #	36
16) Acetone	3.55	43	47578	45.99	ug/l	98
18) Methyl Acetate	4.01	43	66	Below Cal	#	51
20) Methylene Chloride	4.24	84	312515	147.13	ug/l	99
25) 2-Butanone	6.52	43	916	0.69	ug/l #	49
31) Cyclohexane	7.40	56	3737	1.00	ug/l #	1
36) 1,1-Dichloropropene	7.40	75	14011	4.77	ug/l #	48
37) Ethyl Acetate	6.52	43	916	0.31	ug/l #	68
38) Carbon Tetrachloride	7.40	117	17922	6.97	ug/l #	16
49) 1,4-Dioxane	8.98	88	821	Below Cal	#	77
51) 4-Methyl-2-Pentanone	9.78	43	704	0.24	ug/l #	36
52) Toluene	9.95	92	6657	1.22	ug/l	96
76) 1,2,3-Trichloropropane	12.21	75	73021	22.50	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.21	75	73021	59.09	ug/l #	12
95) Naphthalene	14.93	128	2767	0.31	ug/l #	91

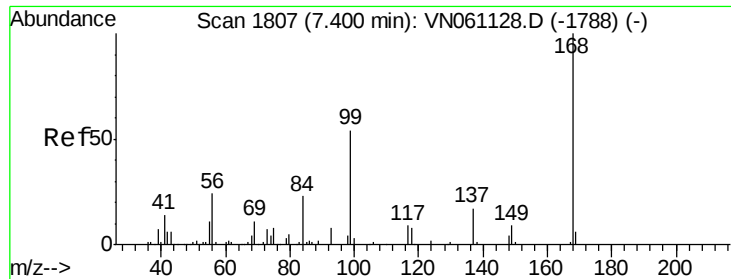
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.40 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

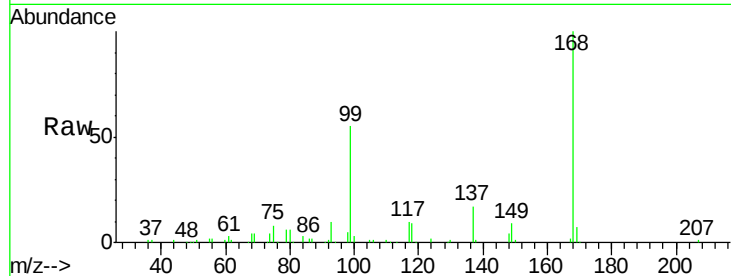
OILY-WATER

Tgt Ion:168 Resp: 183344

Ion Ratio Lower Upper

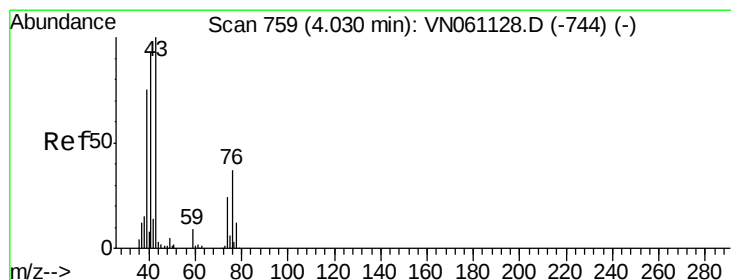
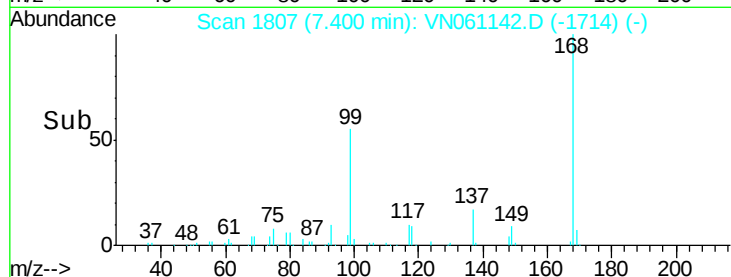
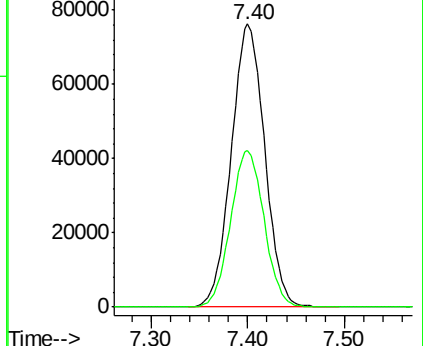
168 100

99 55.2 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#14

Allyl chloride

Concen: 54.21 ug/l

RT: 3.96 min Scan# 737

Delta R.T. -0.07 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

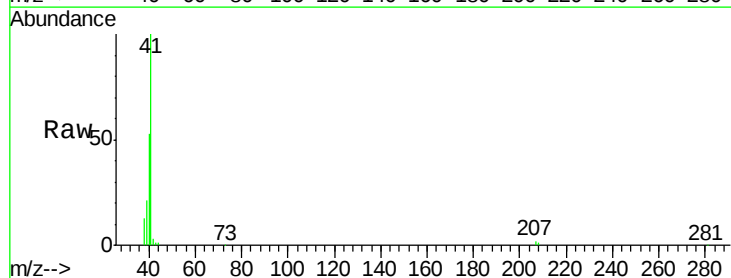
Tgt Ion: 41 Resp: 129194

Ion Ratio Lower Upper

41 100

39 20.5 61.0 91.4#

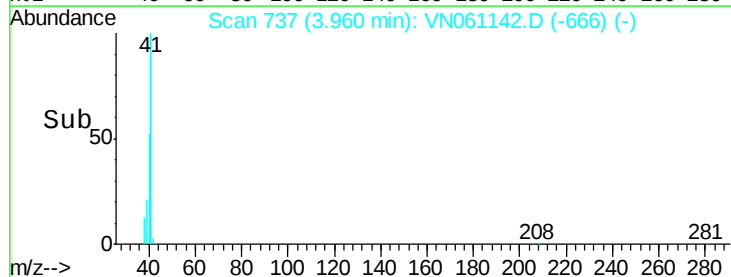
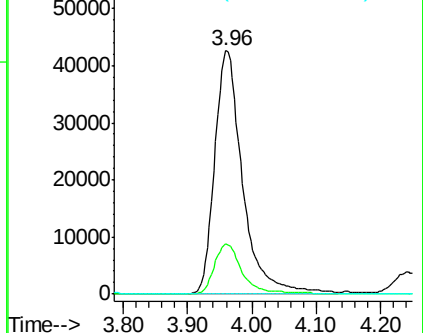
76 0.0 28.9 43.3#

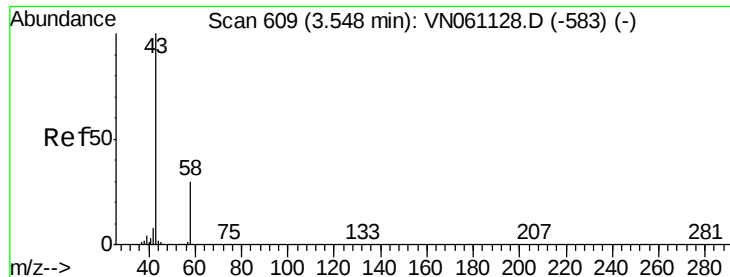


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#16

Acetone

Concen: 45.99 ug/l

RT: 3.55 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

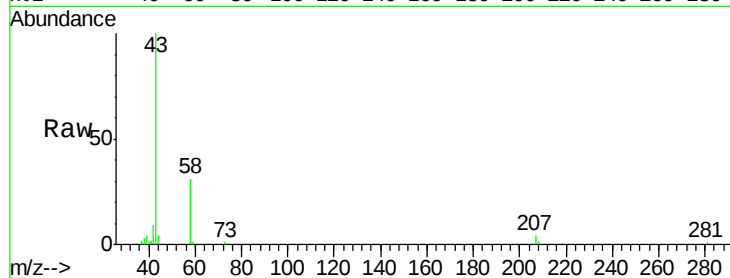
OILY-WATER

Tgt Ion: 43 Resp: 47578

Ion Ratio Lower Upper

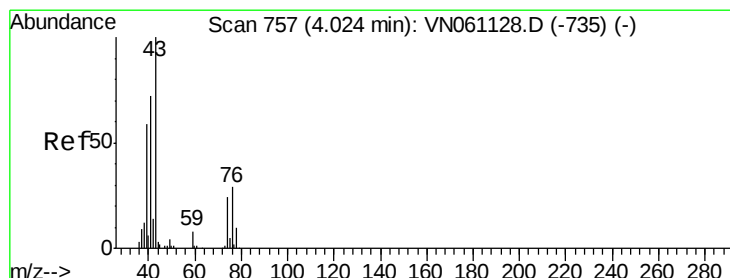
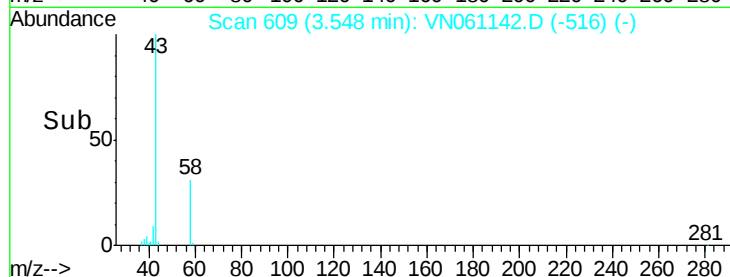
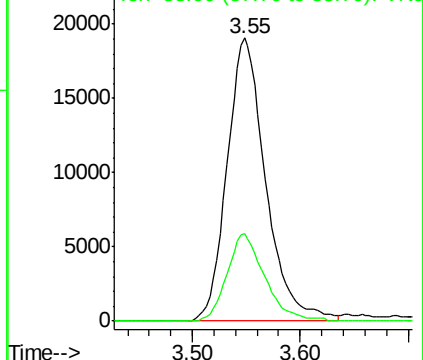
43 100

58 30.7 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.01 min Scan# 753

Delta R.T. -0.01 min

Lab File: VN061142.D

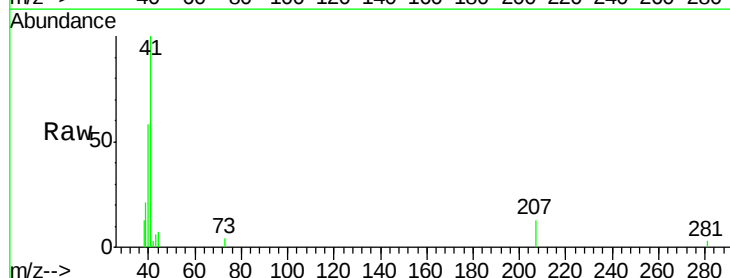
Acq: 22 Apr 2020 21:02

Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

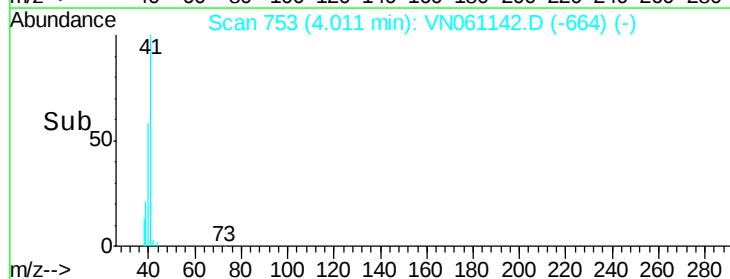
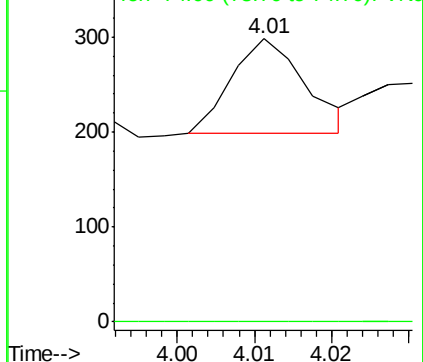
43 100

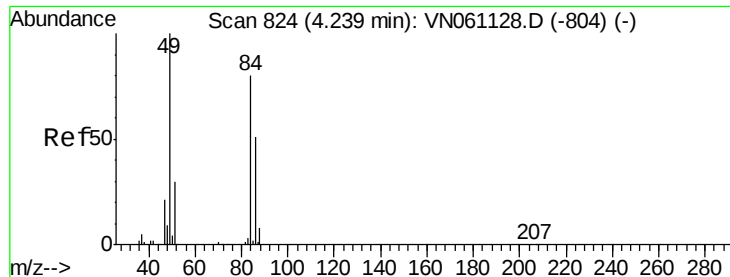
74 0.0 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

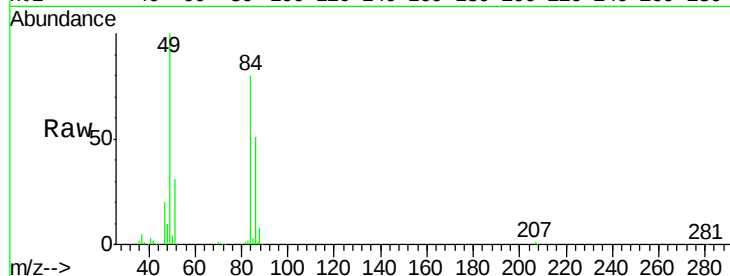




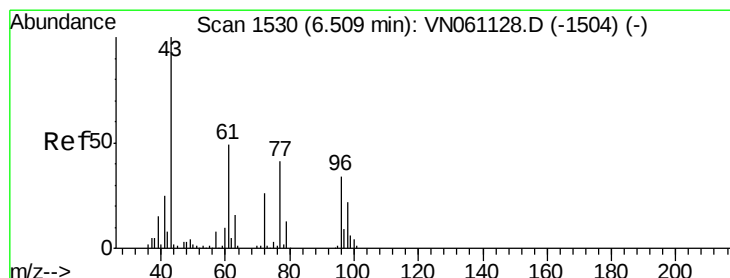
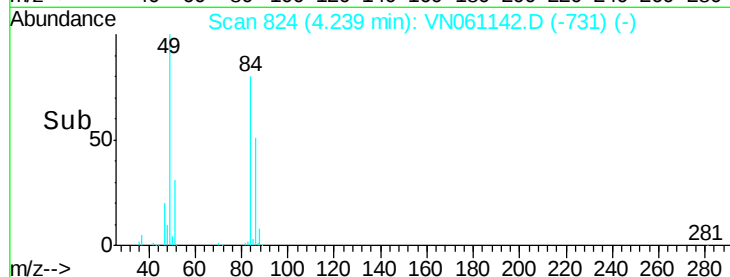
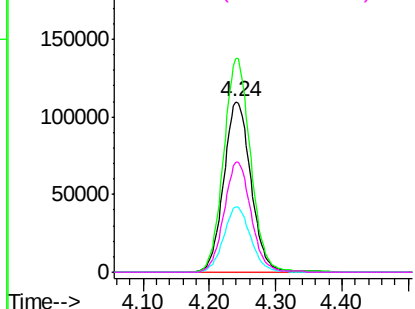
#20
Methylene Chloride
Concen: 147.13 ug/l
RT: 4.24 min Scan# 824
Delta R.T. -0.00 min
Lab File: VN061142.D
Acq: 22 Apr 2020 21:02

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

Tgt Ion: 84 Resp: 312515
Ion Ratio Lower Upper
84 100
49 125.3 99.8 149.6
51 38.4 29.9 44.9
86 64.5 50.9 76.3

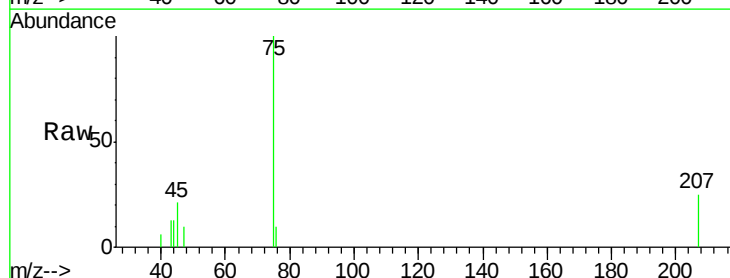


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

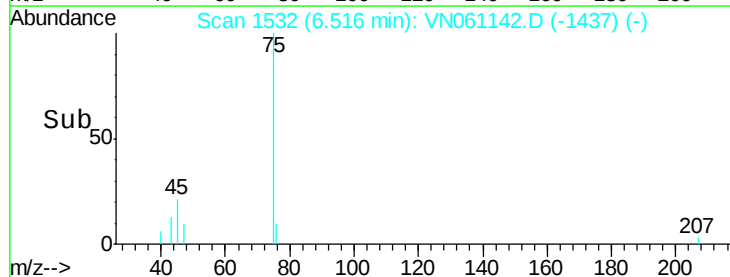
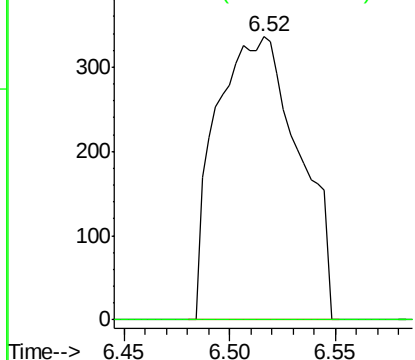


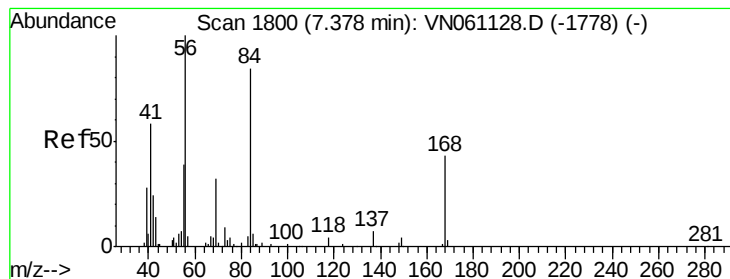
#25
2-Butanone
Concen: 0.69 ug/l
RT: 6.52 min Scan# 1532
Delta R.T. 0.01 min
Lab File: VN061142.D
Acq: 22 Apr 2020 21:02

Tgt Ion: 43 Resp: 916
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#31

Cyclohexane

Concen: 1.00 ug/l

RT: 7.40 min Scan# 1806

Delta R.T. 0.02 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

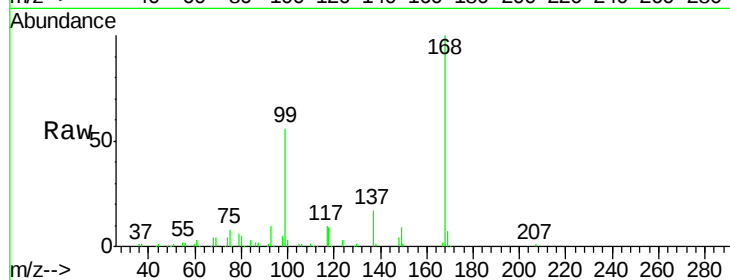
Tgt Ion: 56 Resp: 3737

Ion Ratio Lower Upper

56 100

69 177.9 25.9 38.9#

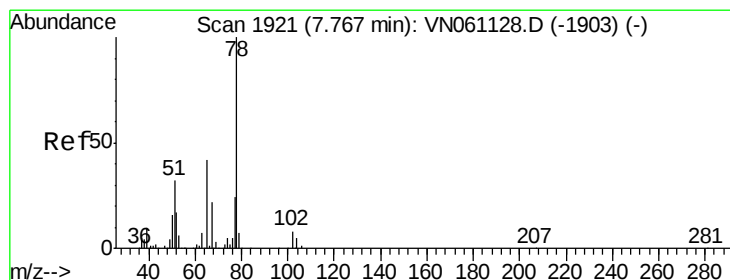
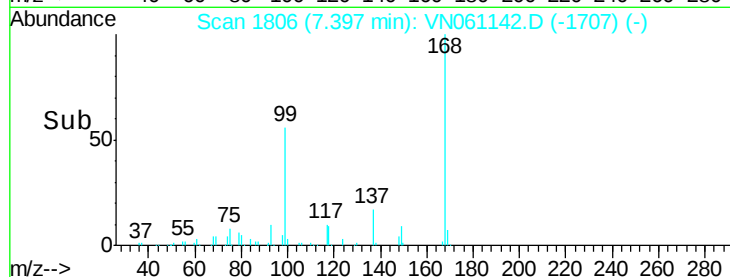
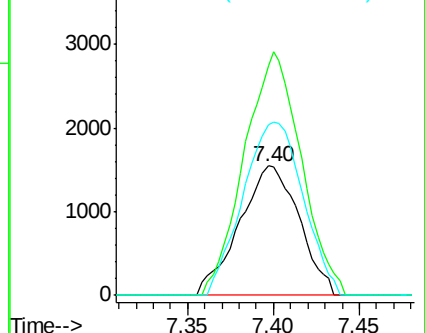
84 132.3 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN061142.D (-1778) (-)

Ion 69.00 (68.70 to 69.70): VN061142.D (-1778) (-)

Ion 84.00 (83.70 to 84.70): VN061142.D (-1778) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.53 ug/l

RT: 7.77 min Scan# 1921

Delta R.T. -0.00 min

Lab File: VN061142.D

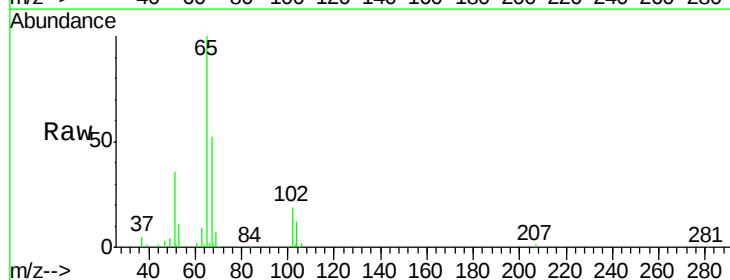
Acq: 22 Apr 2020 21:02

Tgt Ion: 65 Resp: 115544

Ion Ratio Lower Upper

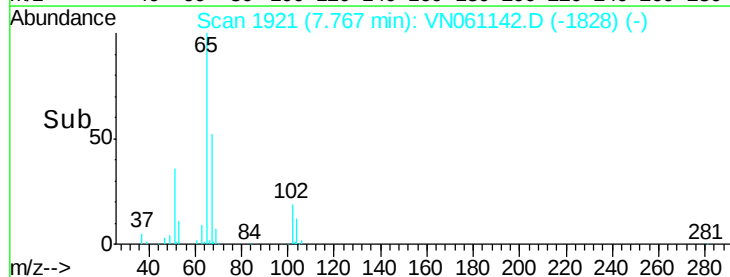
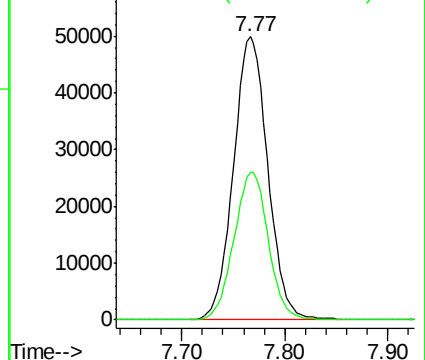
65 100

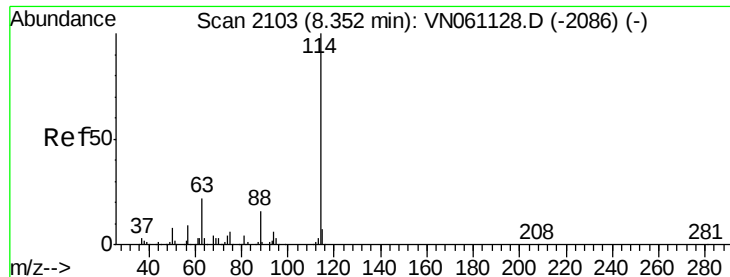
67 52.3 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VN061142.D (-1828) (-)

Ion 66.90 (66.60 to 67.60): VN061142.D (-1828) (-)





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.35 min Scan# 2103

Delta R.T. -0.00 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

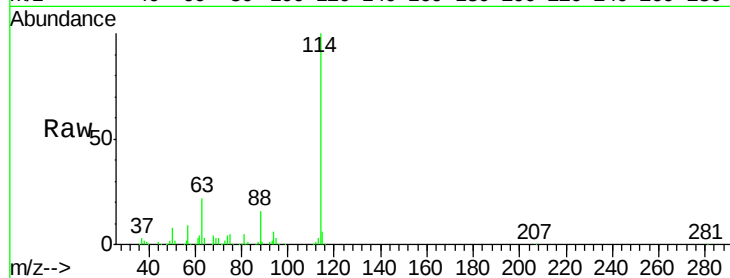
Tgt Ion:114 Resp: 300567

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

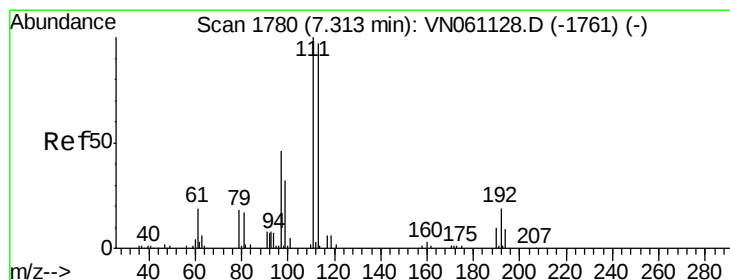
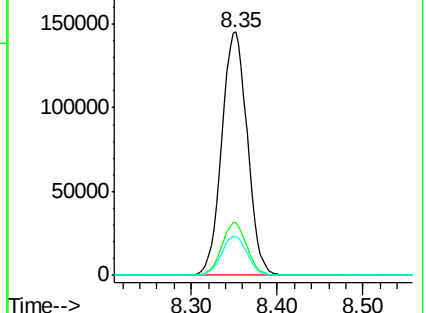
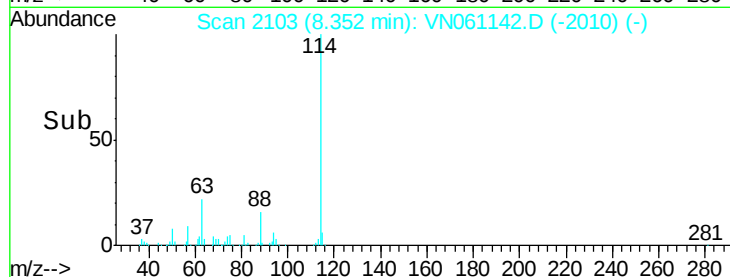
88 16.2 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.07 ug/l

RT: 7.31 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

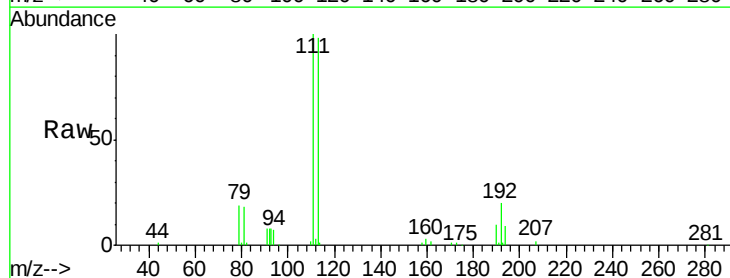
Tgt Ion:113 Resp: 84169

Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.6

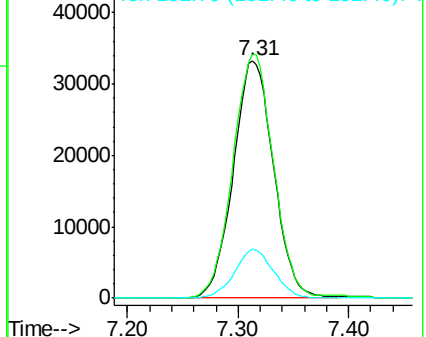
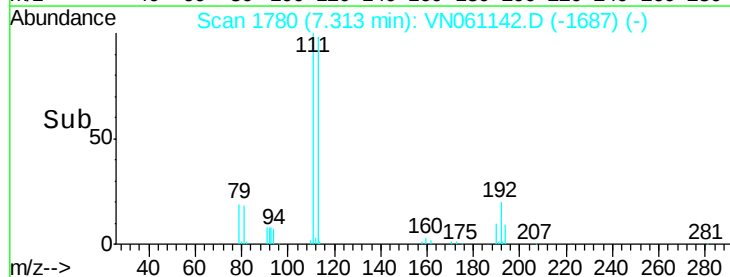
192 19.9 15.8 23.6

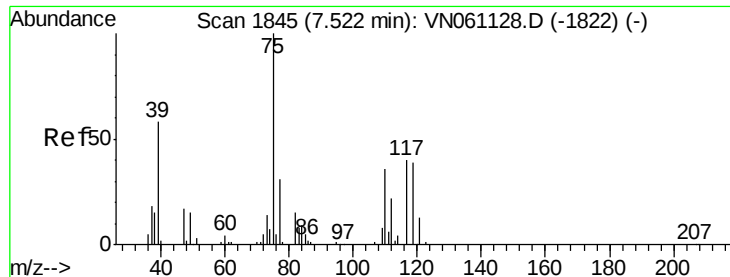


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.77 ug/l

RT: 7.40 min Scan# 1806

Delta R.T. -0.13 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

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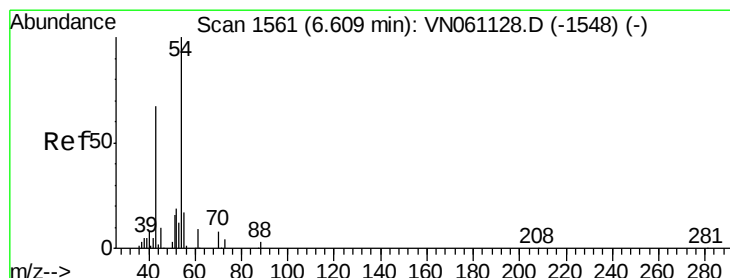
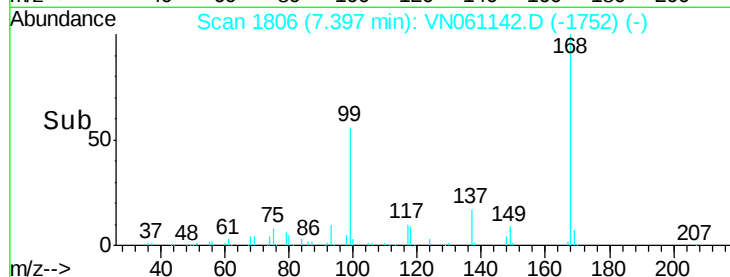
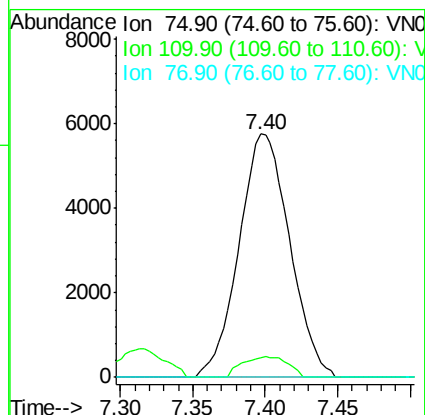
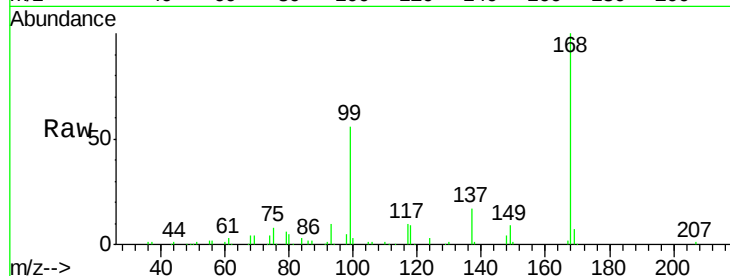
Tgt Ion: 75 Resp: 14011

Ion Ratio Lower Upper

75 100

110 7.6 17.7 53.1#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 0.31 ug/l

RT: 6.52 min Scan# 1532

Delta R.T. -0.09 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

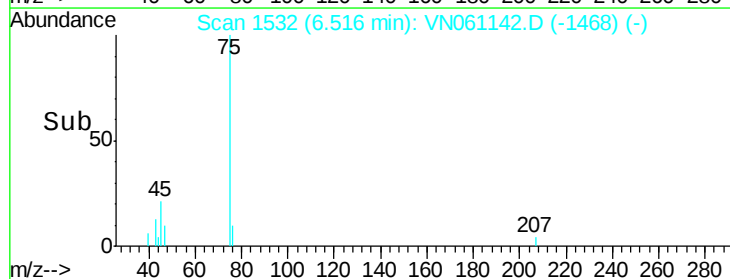
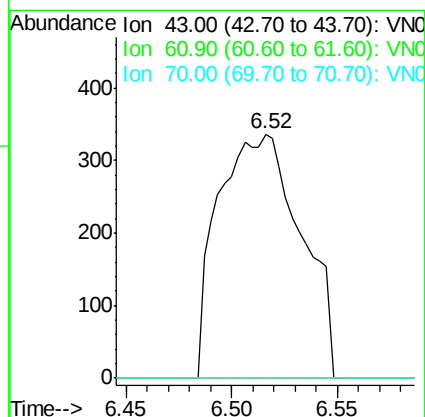
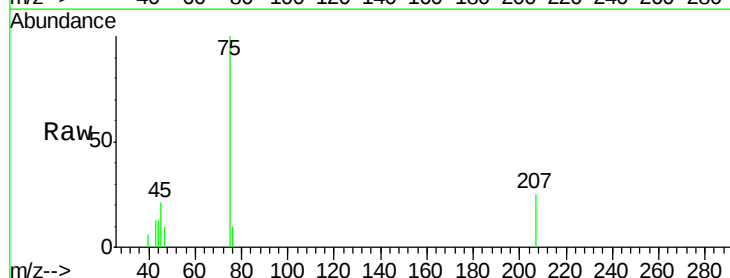
Tgt Ion: 43 Resp: 916

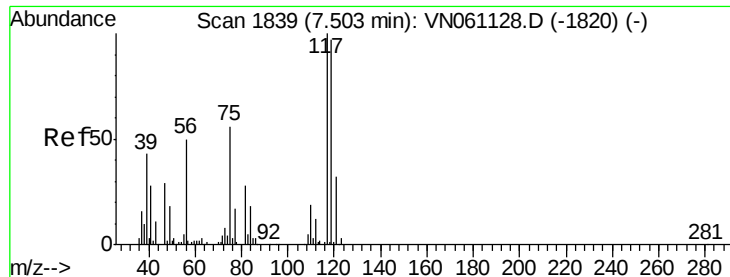
Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.0#

70 0.0 8.2 12.4#





#38

Carbon Tetrachloride

Concen: 6.97 ug/l

RT: 7.40 min Scan# 1807

Delta R.T. -0.10 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

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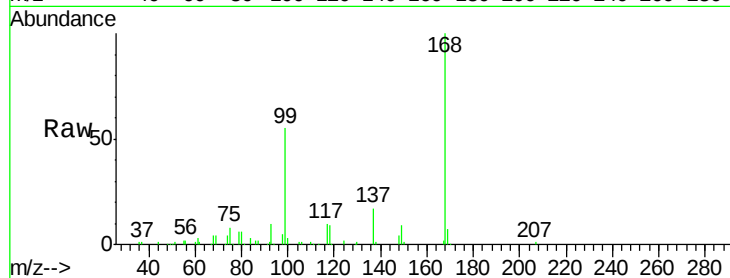
Tgt Ion:117 Resp: 17922

Ion Ratio Lower Upper

117 100

119 4.8 76.9 115.3#

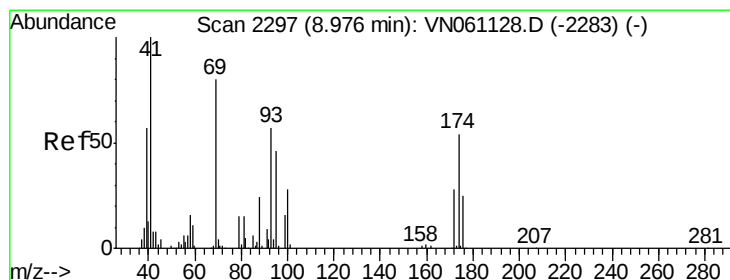
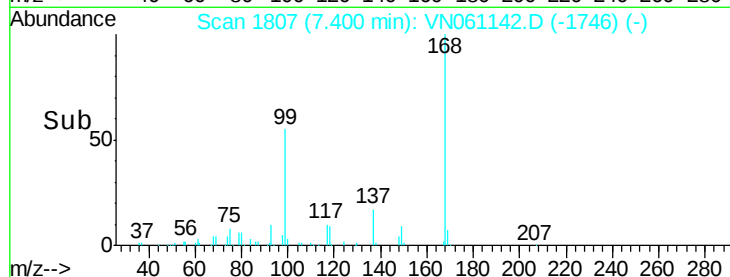
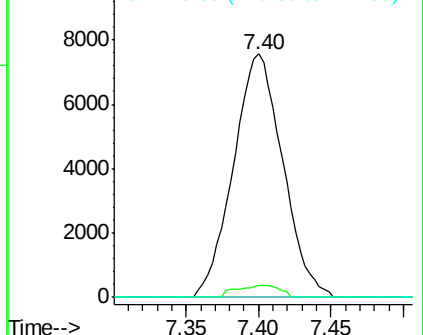
121 0.0 25.0 37.6#



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: Below Cal

RT: 8.98 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

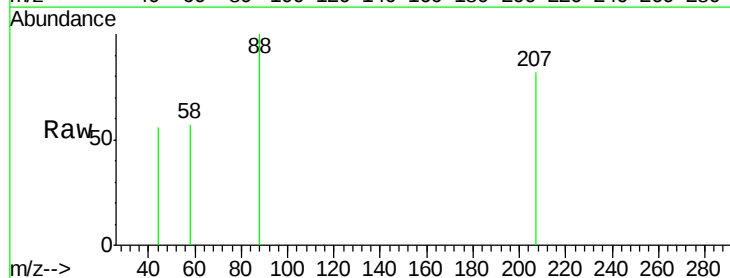
Tgt Ion: 88 Resp: 821

Ion Ratio Lower Upper

88 100

43 15.7 29.0 43.4#

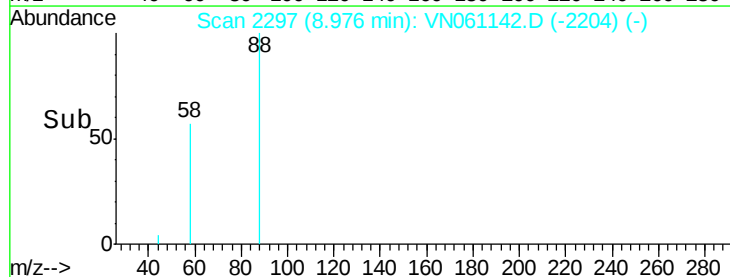
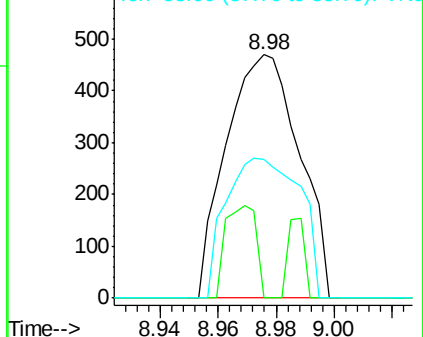
58 58.3 57.8 86.6

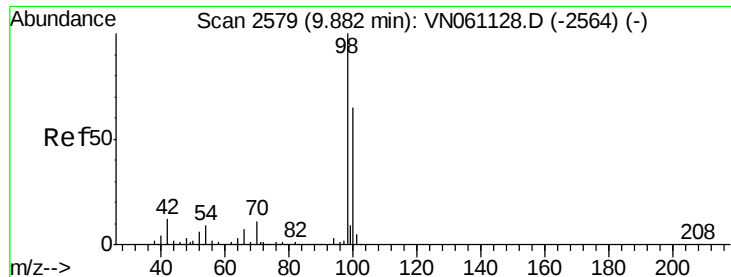


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 50.20 ug/l

RT: 9.88 min Scan# 2579

Delta R.T. -0.00 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

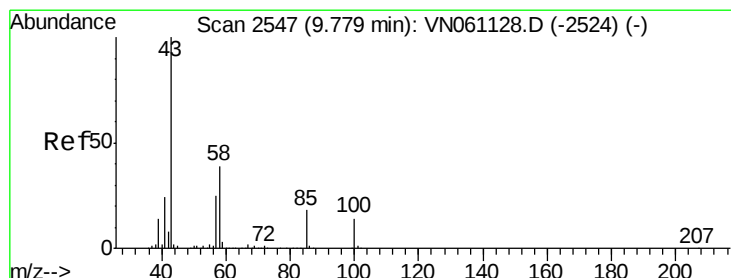
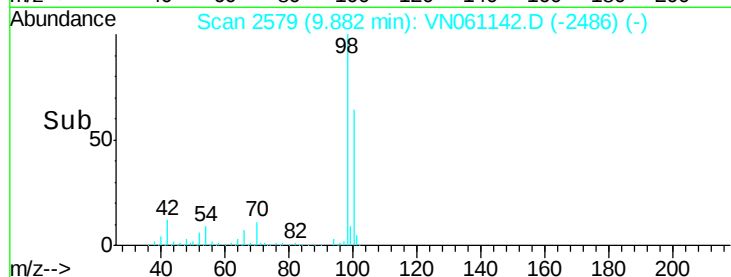
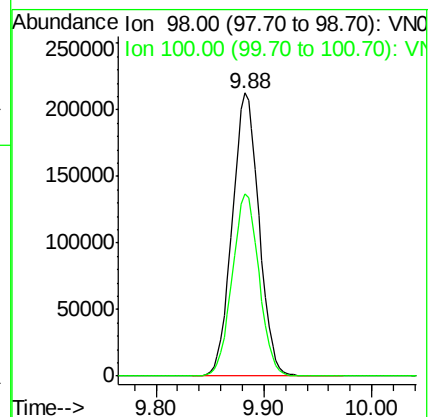
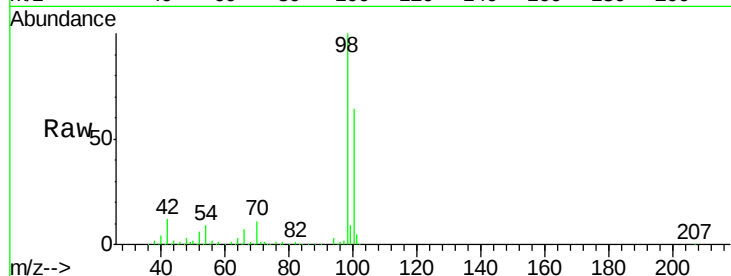
OILY-WATER

Tgt Ion: 98 Resp: 368984

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.6



#51

4-Methyl-2-Pentanone

Concen: 0.24 ug/l

RT: 9.78 min Scan# 2546

Delta R.T. -0.00 min

Lab File: VN061142.D

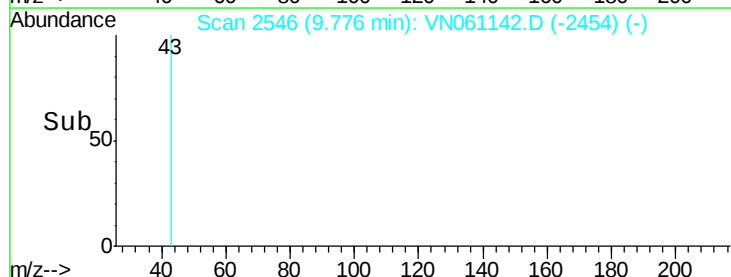
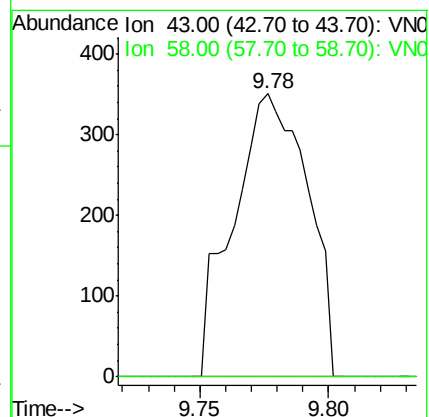
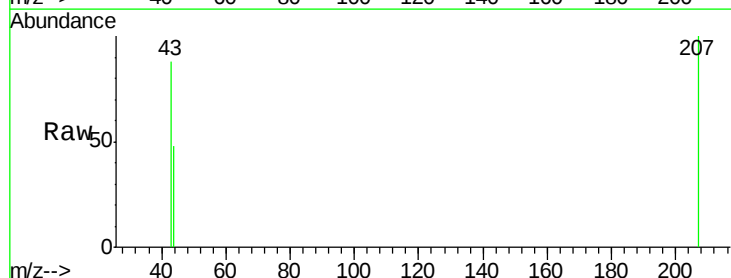
Acq: 22 Apr 2020 21:02

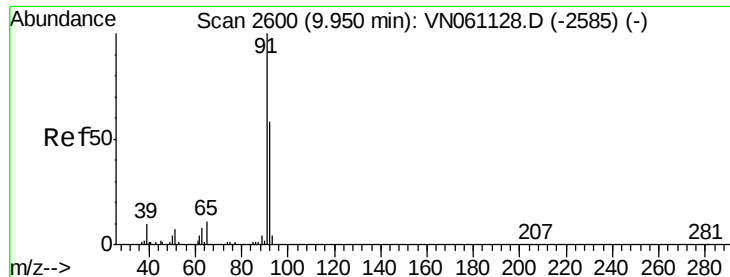
Tgt Ion: 43 Resp: 704

Ion Ratio Lower Upper

43 100

58 0.0 31.0 46.6#





#52

Toluene

Concen: 1.22 ug/l

RT: 9.95 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

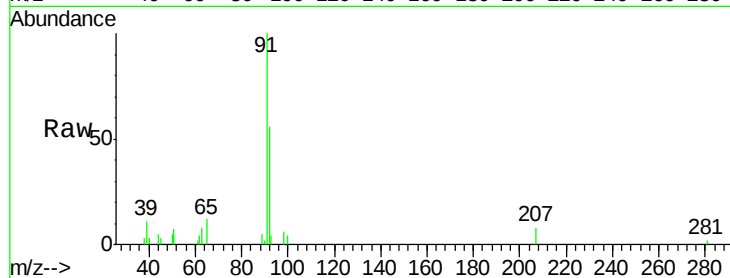
OILY-WATER

Tgt Ion: 92 Resp: 6657

Ion Ratio Lower Upper

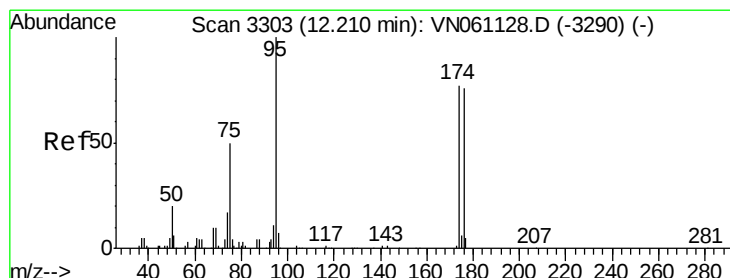
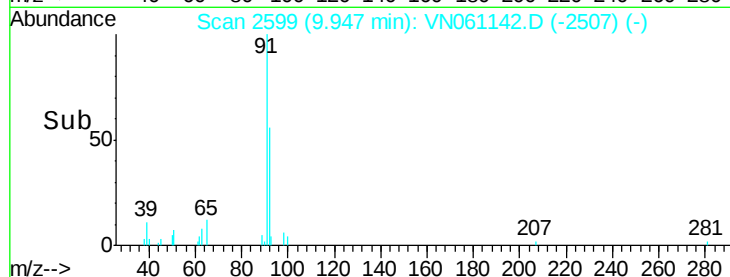
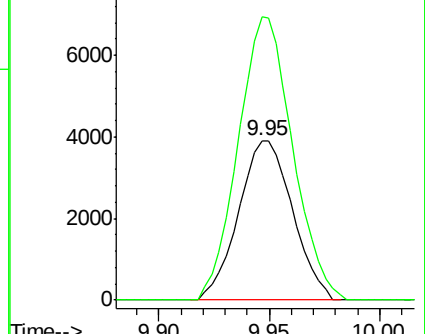
92 100

91 178.6 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VN061142.D (-2599) (-)

Ion 91.00 (90.70 to 91.70): VN061142.D (-2599) (-)



#62

4-Bromofluorobenzene

Concen: 52.06 ug/l

RT: 12.21 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

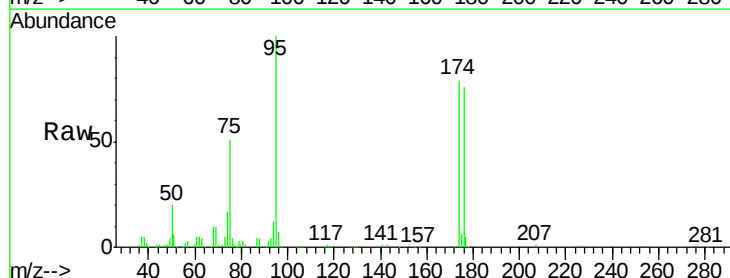
Tgt Ion: 95 Resp: 143313

Ion Ratio Lower Upper

95 100

174 79.9 0.0 157.6

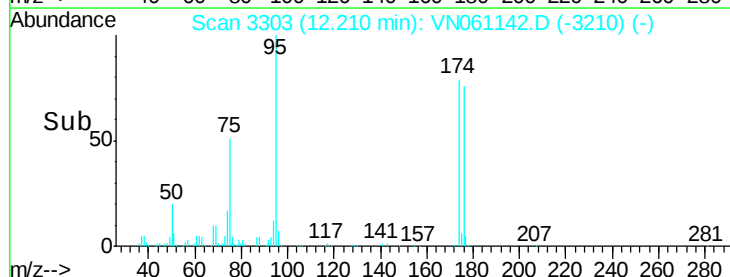
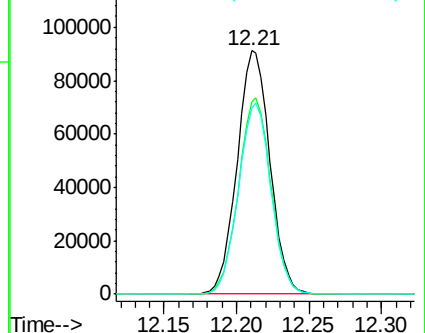
176 77.5 0.0 154.4

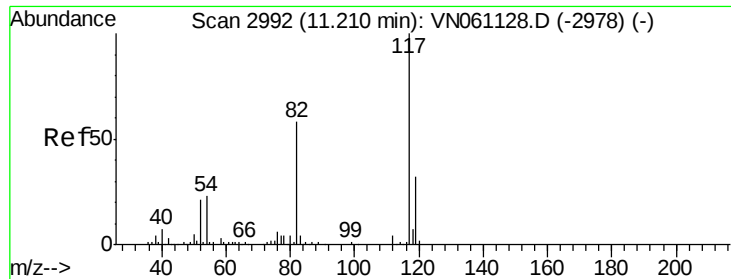


Abundance Ion 94.90 (94.60 to 95.60): VN061142.D (-3303) (-)

Ion 173.80 (173.50 to 174.50): VN061142.D (-3303) (-)

Ion 175.80 (175.50 to 176.50): VN061142.D (-3303) (-)

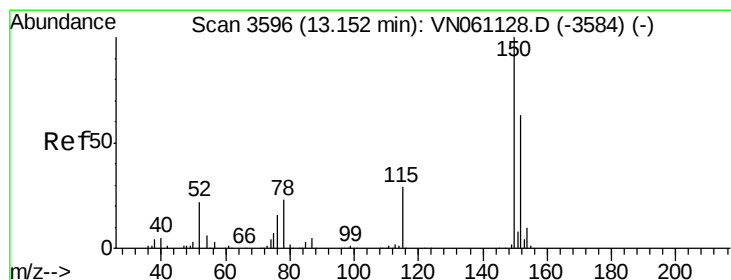
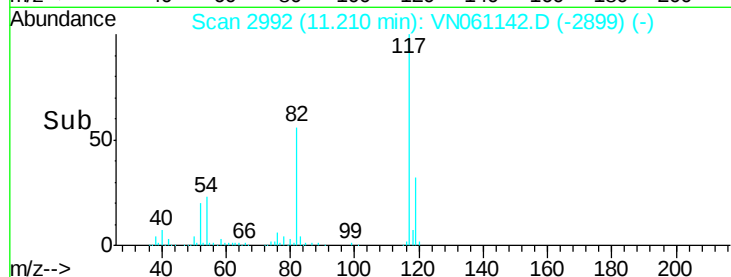
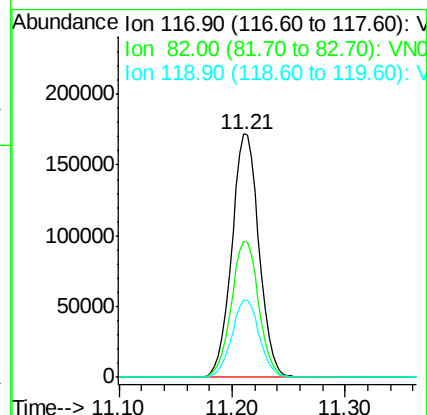
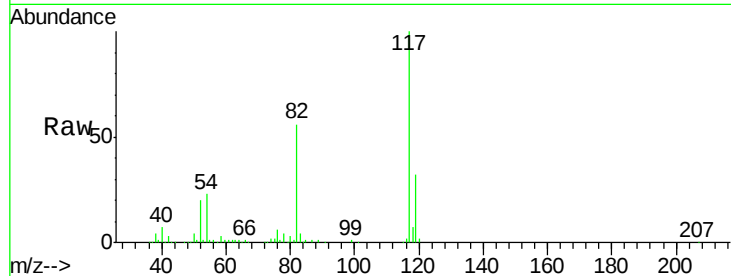




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.21 min Scan# 2992
Delta R.T. -0.00 min
Lab File: VN061142.D
Acq: 22 Apr 2020 21:02

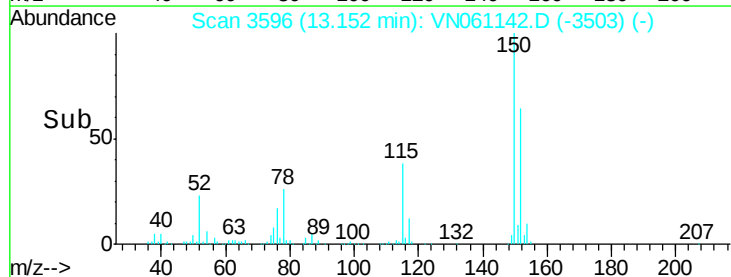
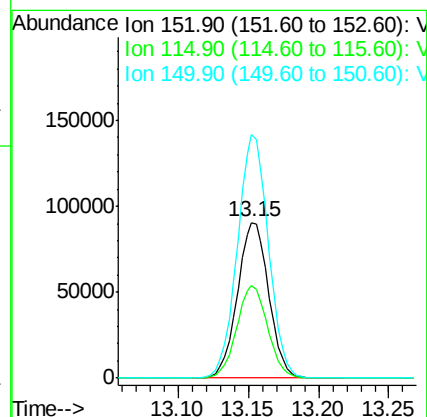
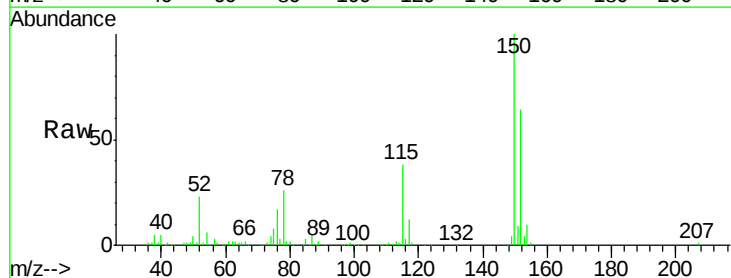
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

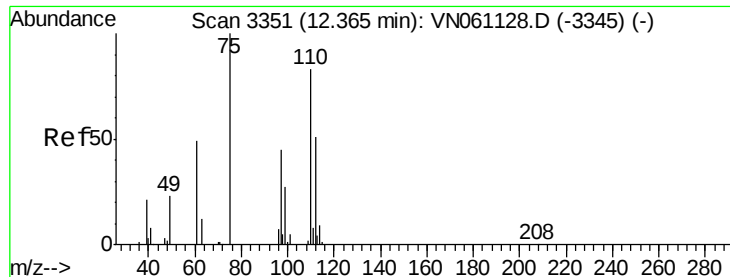
Tgt Ion:117 Resp: 287238
Ion Ratio Lower Upper
117 100
82 56.0 46.0 69.0
119 31.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.15 min Scan# 3596
Delta R.T. -0.00 min
Lab File: VN061142.D
Acq: 22 Apr 2020 21:02

Tgt Ion:152 Resp: 140701
Ion Ratio Lower Upper
152 100
115 58.7 29.8 89.5
150 155.5 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 22.50 ug/l

RT: 12.21 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

Instrument :

MSVOA_N

ClientSampled :

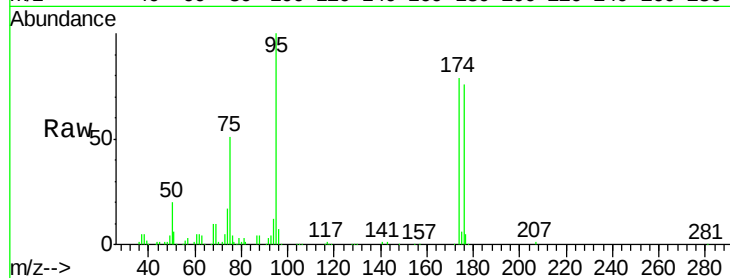
OILY-WATER

Tgt Ion: 75 Resp: 73021

Ion Ratio Lower Upper

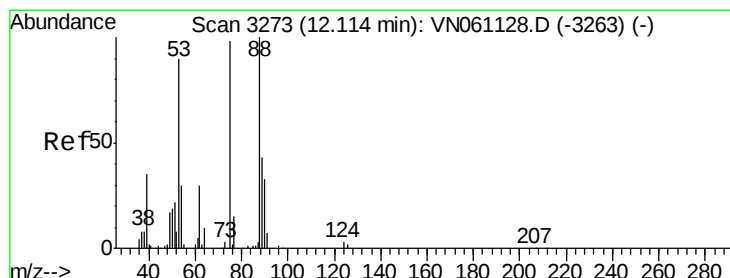
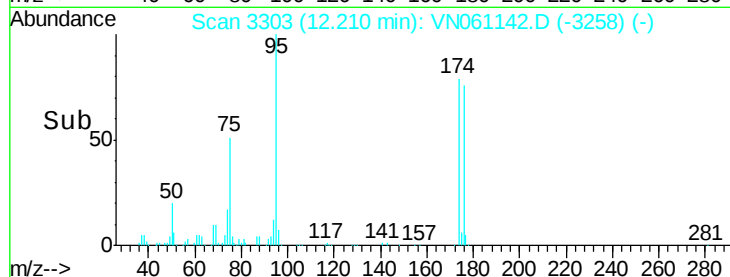
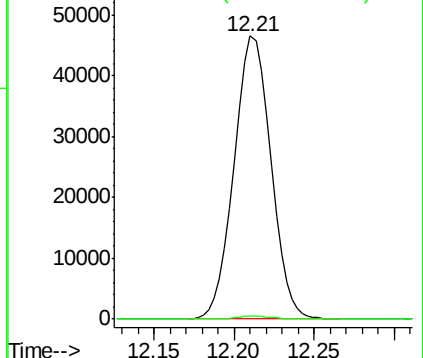
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 59.09 ug/l

RT: 12.21 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

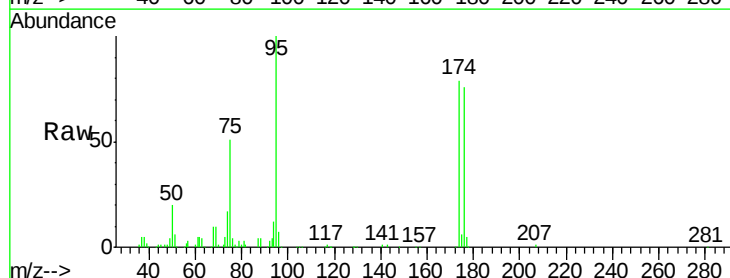
Tgt Ion: 75 Resp: 73021

Ion Ratio Lower Upper

75 100

53 0.0 74.3 111.5#

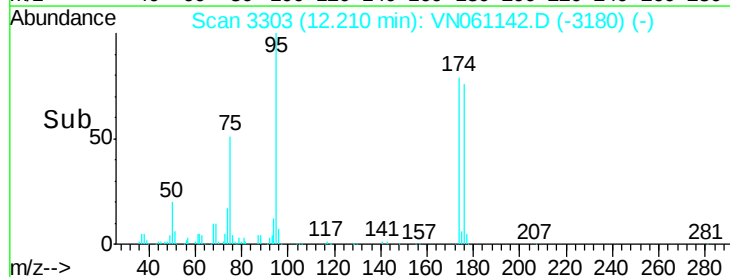
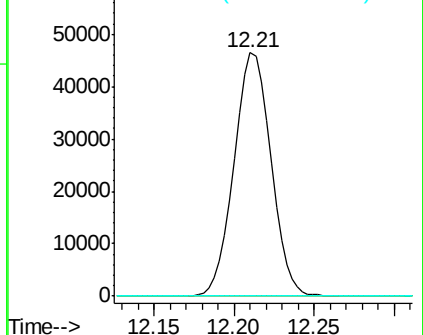
89 0.0 36.6 55.0#

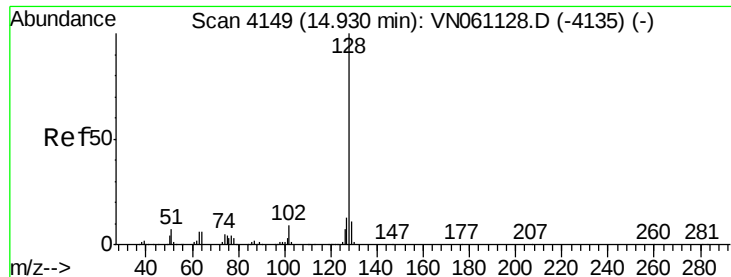


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 0.31 ug/l

RT: 14.93 min Scan# 4150

Delta R.T. 0.00 min

Lab File: VN061142.D

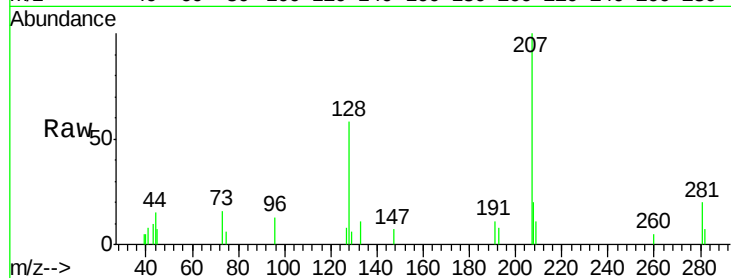
Acq: 22 Apr 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER



Tgt Ion:	128	Resp:	2767
Ion	Ratio	Lower	Upper
128	100		
127	10.3	10.2	15.4
129	6.0	8.6	12.8#

