

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050133.D
 Acq On : 27 Jul 2018 16:38
 Operator : MD\SY
 Sample : J4158-01DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER-TOTESDL

Quant Time: Jul 27 23:31:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	774957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1187254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1012360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	398198	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	510943	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	
35) Dibromofluoromethane	7.59	113	450648	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
50) Toluene-d8	10.09	98	1628343	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	
62) 4-Bromofluorobenzene	12.40	95	475992	40.56	ug/l	0.00
Spiked Amount			Recovery	=	81.12%	

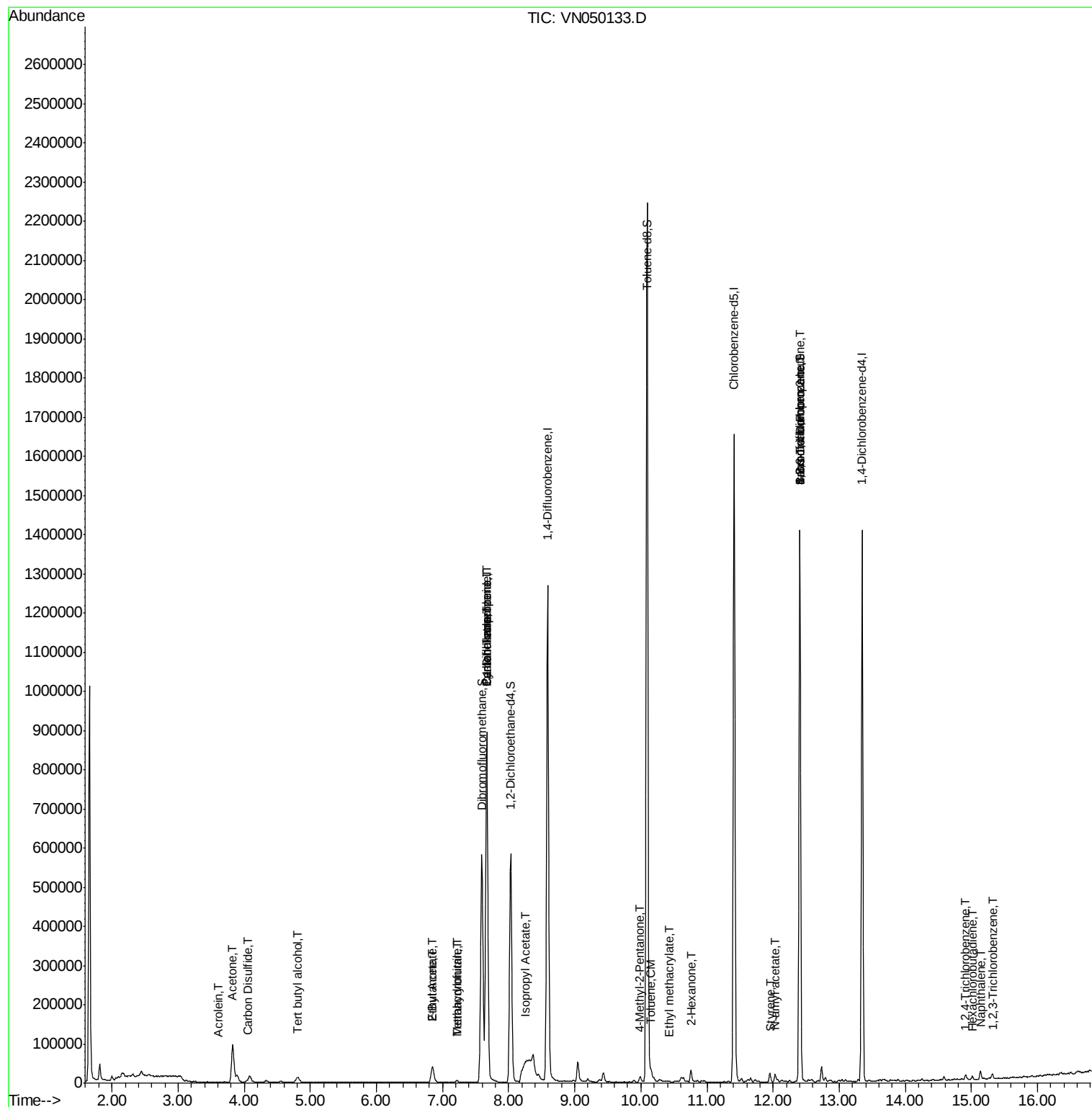
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	2011	Below Cal		81
11) Tert butyl alcohol	4.81	59	23358	29.36	ug/l #	85
13) Acrolein	3.61	56	213	0.33	ug/l #	15
16) Acetone	3.82	43	162836	60.65	ug/l	97
17) Carbon Disulfide	4.05	76	8276	0.30	ug/l #	87
18) Methyl Acetate	4.33	43	3906	Below Cal	#	65
20) Methylene Chloride	4.55	84	1732	Below Cal	#	86
25) 2-Butanone	6.85	43	65111	15.79	ug/l	98
29) Tetrahydrofuran	7.23	42	1289	0.48	ug/l #	61
31) Cyclohexane	7.67	56	14140	0.88	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	52627	3.93	ug/l #	48
37) Ethyl Acetate	6.85	43	65111	6.98	ug/l #	69
38) Carbon Tetrachloride	7.67	117	68261	4.81	ug/l #	17
41) Methacrylonitrile	7.21	41	999	2.94	ug/l #	26
43) Isopropyl Acetate	8.25	43	61656	2.42	ug/l #	61
51) 4-Methyl-2-Pentanone	9.99	43	10272	1.12	ug/l	97
52) Toluene	10.16	92	7805	0.32	ug/l	97
56) Ethyl methacrylate	10.43	69	193	2.04	ug/l #	72
59) 2-Hexanone	10.76	43	19465	8.00	ug/l	96
70) Styrene	11.97	104	1284	0.97	ug/l #	82
71) Bromoform	12.41	173	3911	0.55	ug/l #	1
74) N-amyl acetate	12.03	43	13632	1.44	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.50	83	456	Below Cal	#	67
76) 1,2,3-Trichloropropane	12.40	75	232896	31.47	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	232896	99.82	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.28	75	142	Below Cal		74
93) 1,2,4-Trichlorobenzene	14.91	180	4025	3.58	ug/l	100
94) Hexachlorobutadiene	15.01	225	1643	0.37	ug/l	98
95) Naphthalene	15.14	128	17493	5.29	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	5106	2.86	ug/l	92

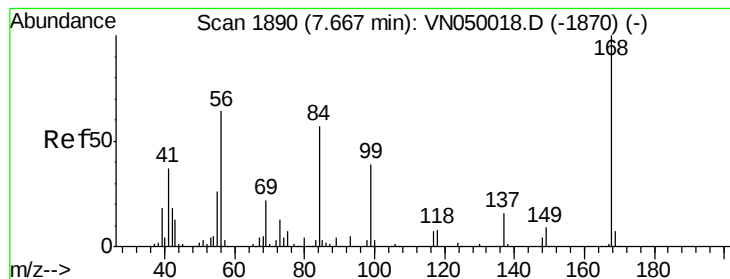
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

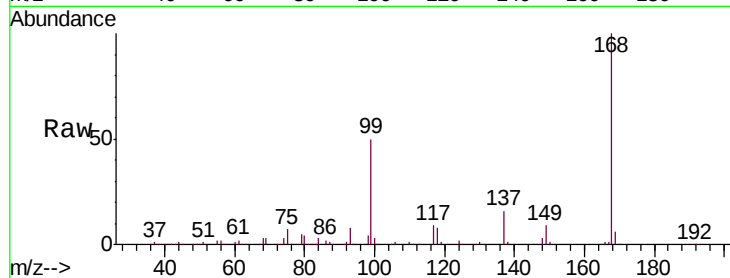
OILY-WATER-TOTESDL

Tot Ion:168 Resp: 774957

Ion Ratio Lower Upper

168 100

99 50.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

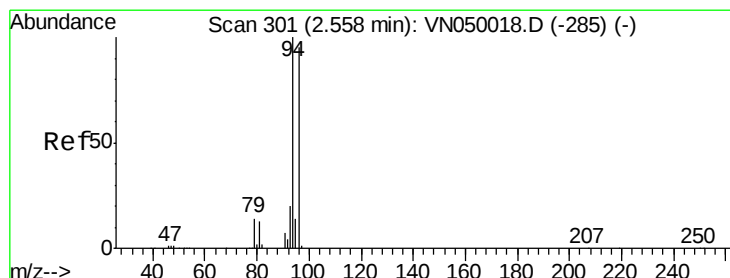
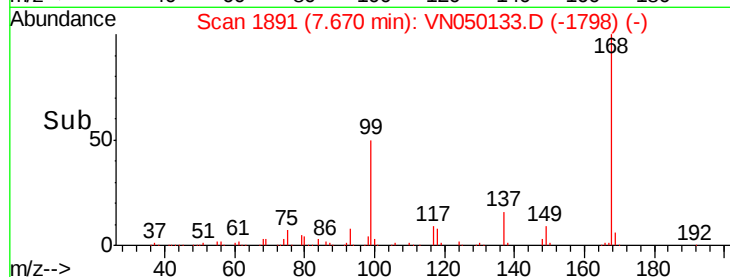
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050133.D

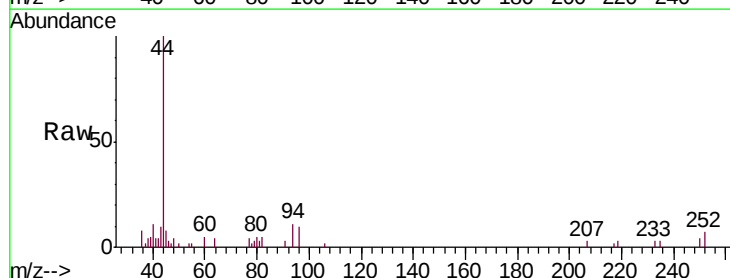
Acq: 27 Jul 2018 16:38

Tgt Ion: 94 Resp: 2011

Ion Ratio Lower Upper

94 100

96 74.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.56

1000

800

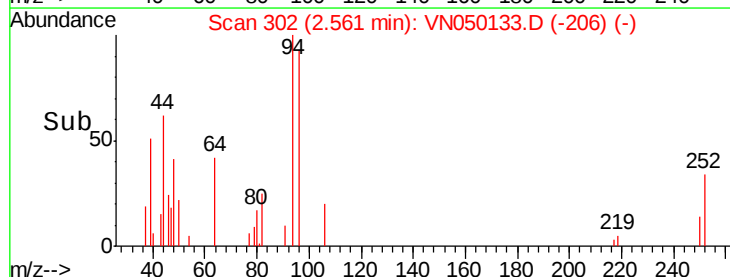
600

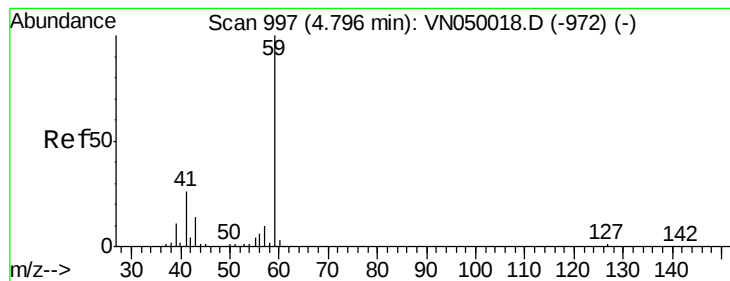
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 29.36 ug/l

RT: 4.81 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

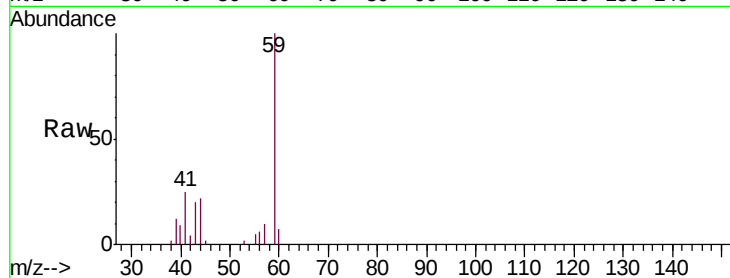
OILY-WATER-TOTESDL

Tot Ion: 59 Resp: 23358

Ion Ratio Lower Upper

59 100

57 5.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN050133.D (-997) (-)

Ion 57.00 (56.70 to 57.70): VN050133.D (-997) (-)

4.81

6000

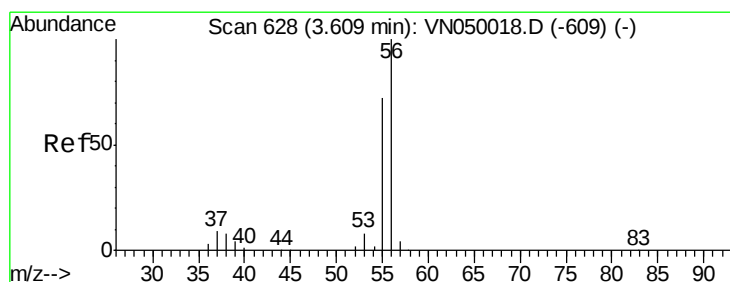
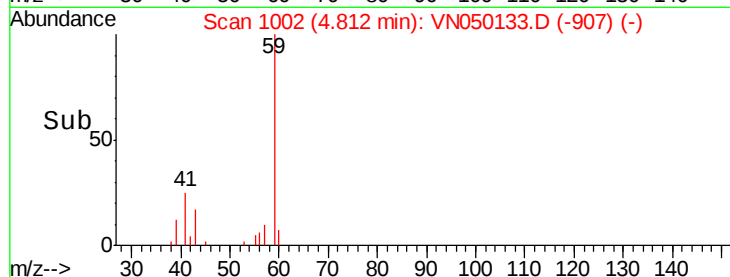
4000

2000

0

Time-->

4.70 4.80 4.90



#13

Acrolein

Concen: 0.33 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050133.D

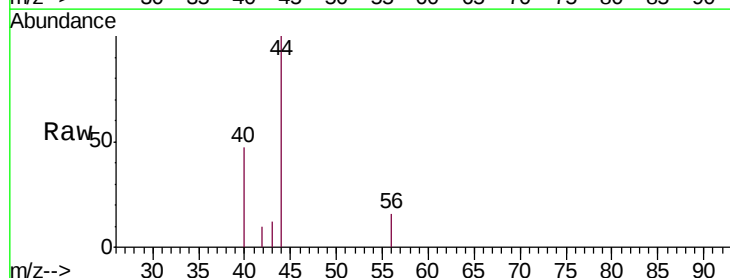
Acq: 27 Jul 2018 16:38

Tgt Ion: 56 Resp: 213

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN050133.D (-535) (-)

Ion 55.00 (54.70 to 55.70): VN050133.D (-535) (-)

3.61

300

250

200

150

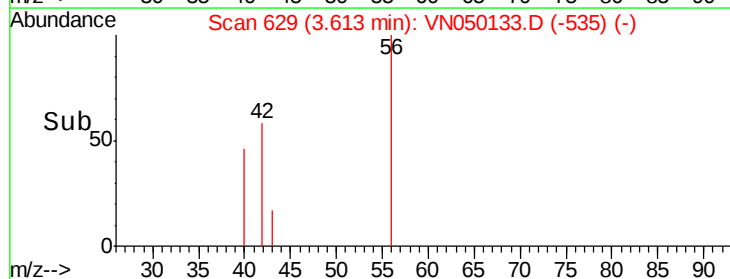
100

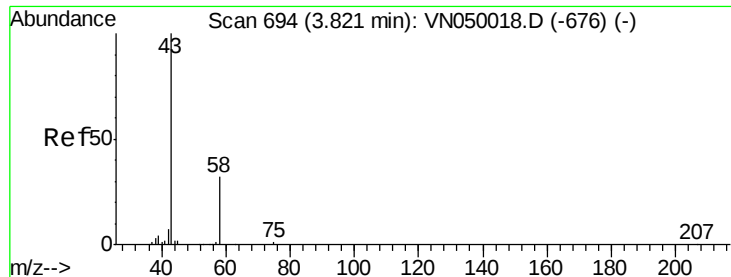
50

0

Time-->

3.59 3.60 3.61 3.62 3.63





#16

Acetone

Concen: 60.65 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

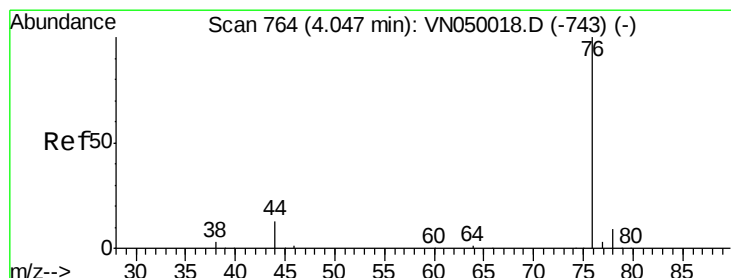
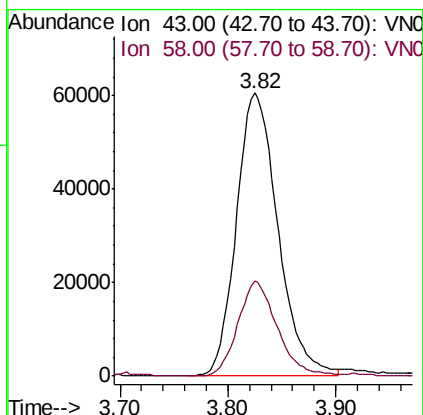
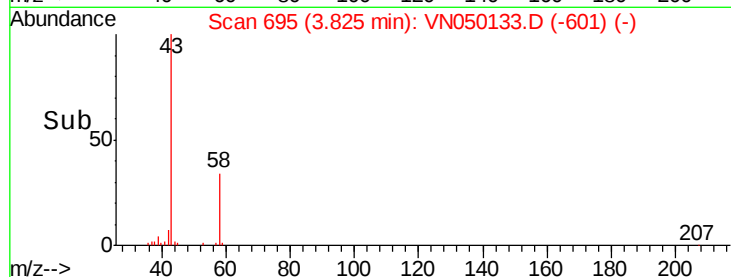
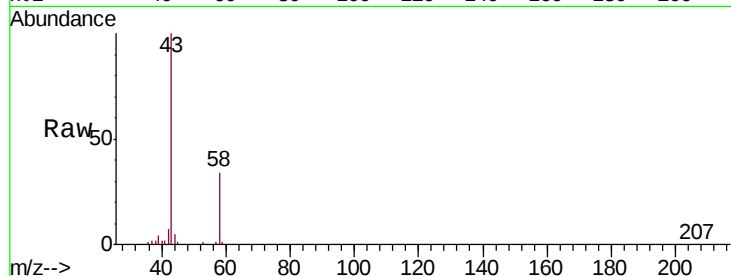
OILY-WATER-TOTESDL

Tot Ion: 43 Resp: 162836

Ion Ratio Lower Upper

43 100

58 33.8 25.8 38.8



#17

Carbon Disulfide

Concen: 0.30 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050133.D

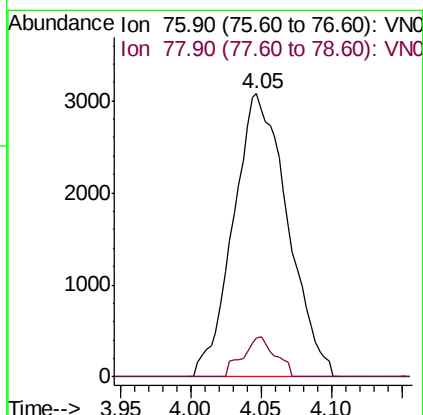
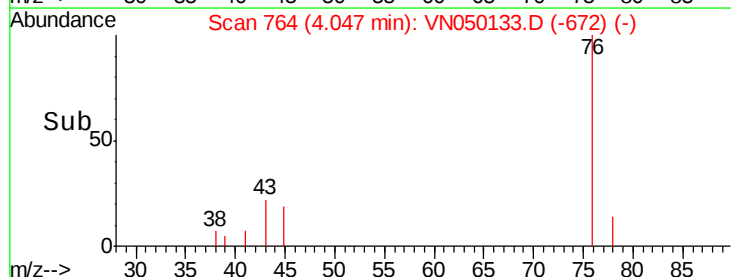
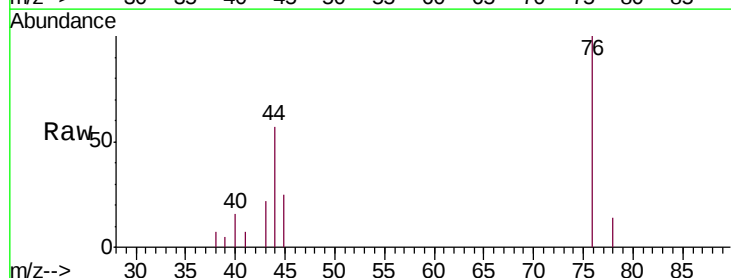
Acq: 27 Jul 2018 16:38

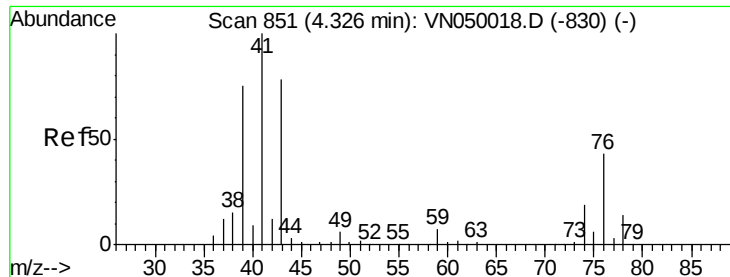
Tgt Ion: 76 Resp: 8276

Ion Ratio Lower Upper

76 100

78 13.8 7.3 10.9#

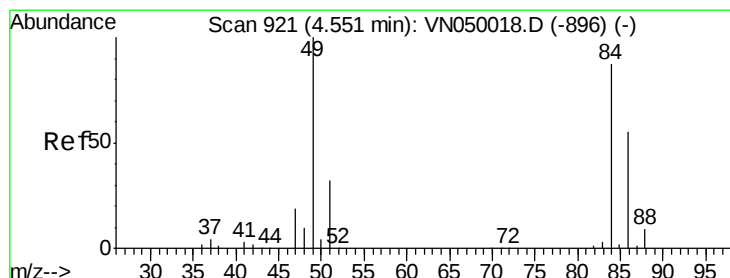
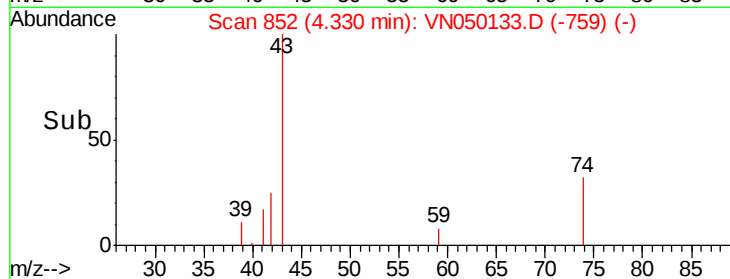
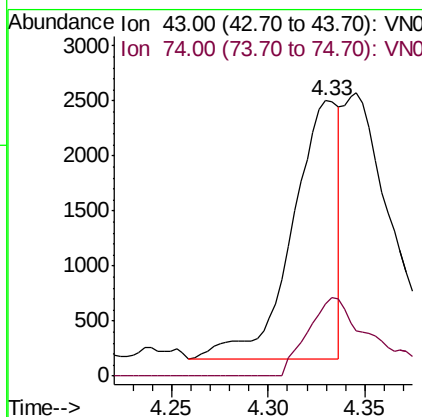
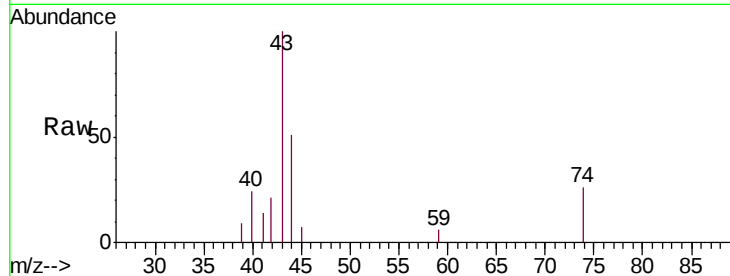




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050133.D
Acq: 27 Jul 2018 16:38

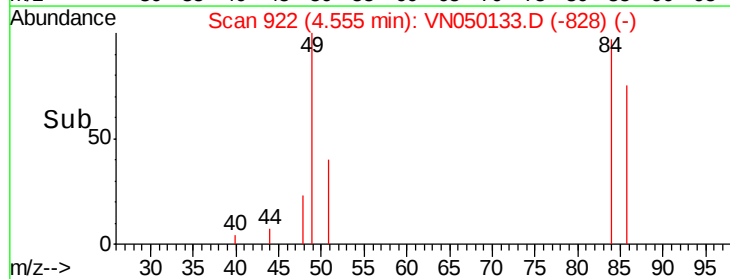
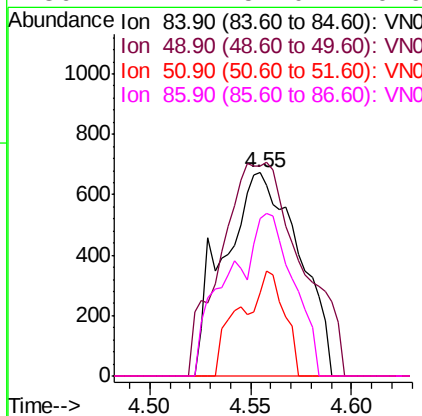
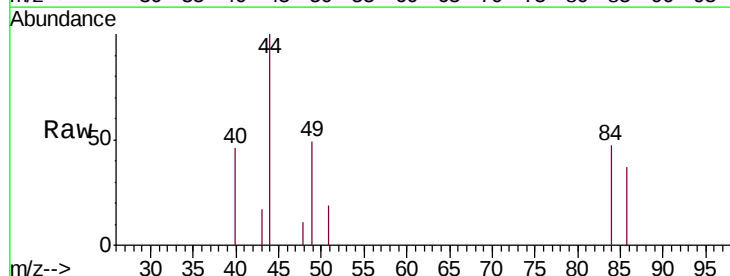
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-TOTESDL

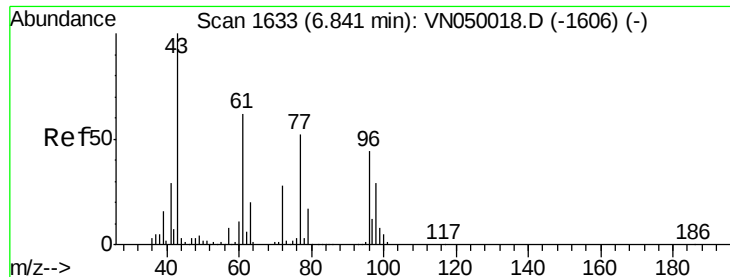
Tot Ion: 43 Resp: 3906
Ion Ratio Lower Upper
43 100
74 41.2 19.2 28.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050133.D
Acq: 27 Jul 2018 16:38

Tgt Ion: 84 Resp: 1732
Ion Ratio Lower Upper
84 100
49 103.1 94.8 142.2
51 41.0 28.3 42.5
86 77.7 51.0 76.6#

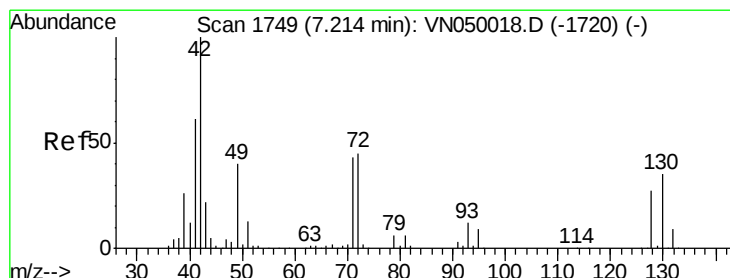
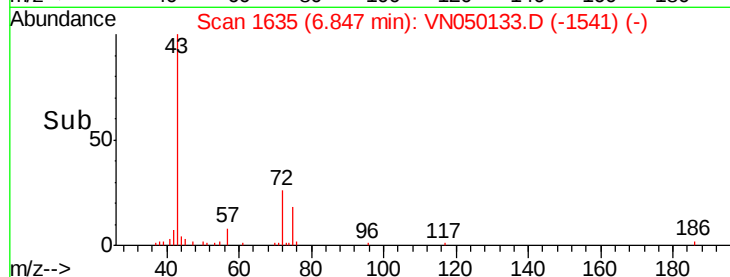
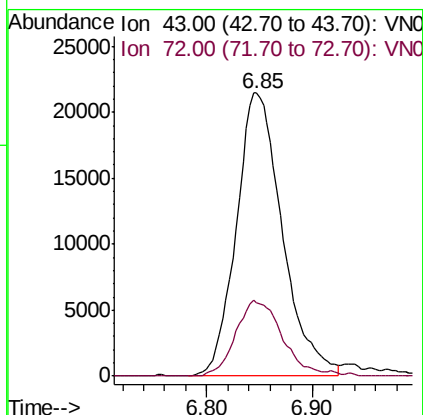
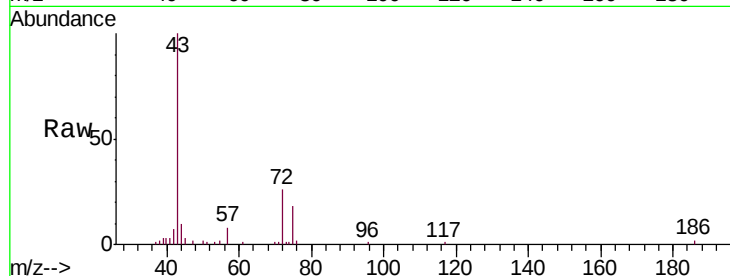




#25
2-Butanone
Concen: 15.79 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VN050133.D
Acq: 27 Jul 2018 16:38

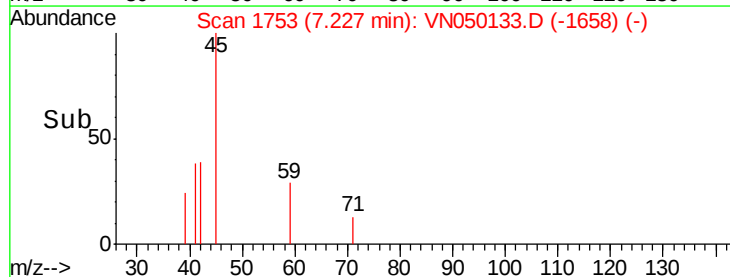
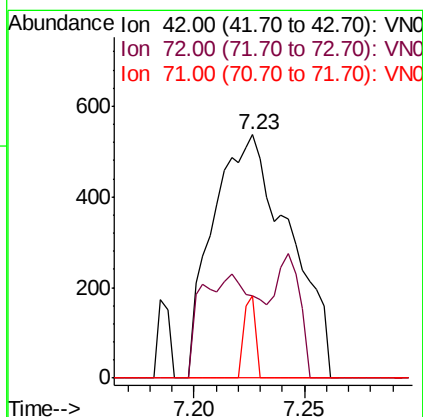
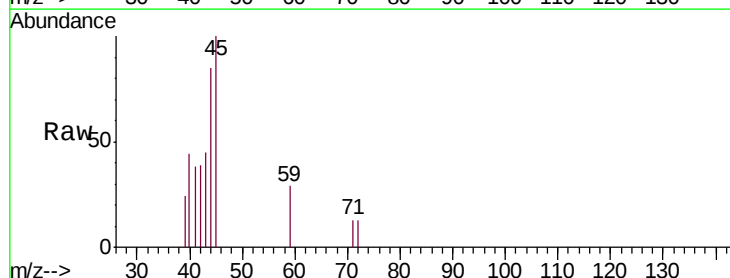
Instrument :
MSVOA_N
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OILY-WATER-TOTESDL

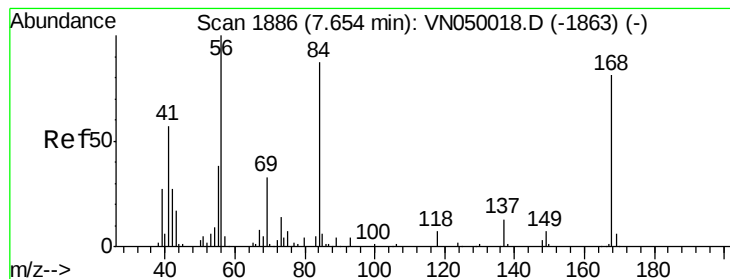
Tot Ion: 43 Resp: 65111
Ion Ratio Lower Upper
43 100
72 26.1 21.5 32.3



#29
Tetrahydrofuran
Concen: 0.48 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN050133.D
Acq: 27 Jul 2018 16:38

Tgt Ion: 42 Resp: 1289
Ion Ratio Lower Upper
42 100
72 31.9 35.9 53.9#
71 5.1 33.7 50.5#





#31

Cyclohexane

Concen: 0.88 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER-TOTESDL

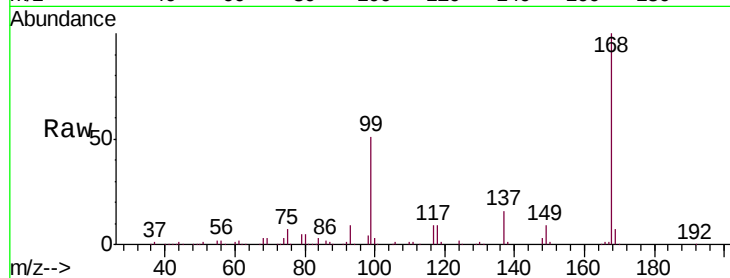
Tot Ion: 56 Resp: 14140

Ion Ratio Lower Upper

56 100

69 181.3 26.2 39.4#

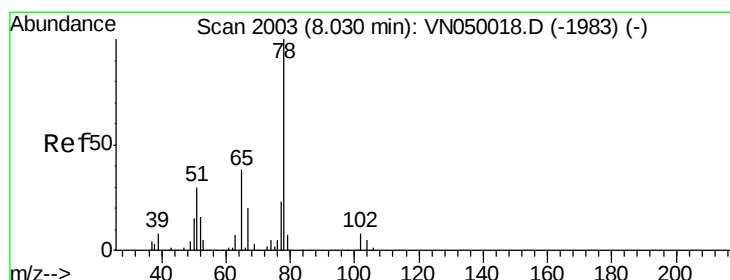
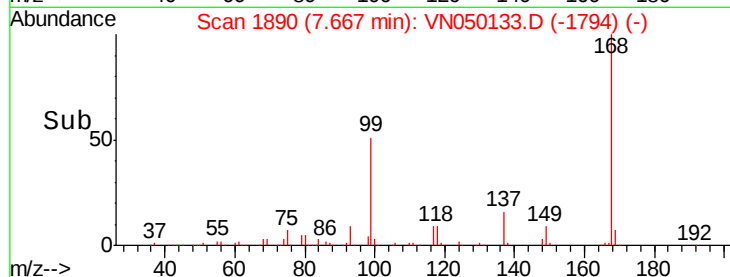
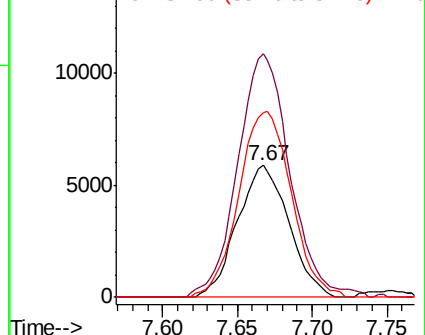
84 140.0 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.26 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050133.D

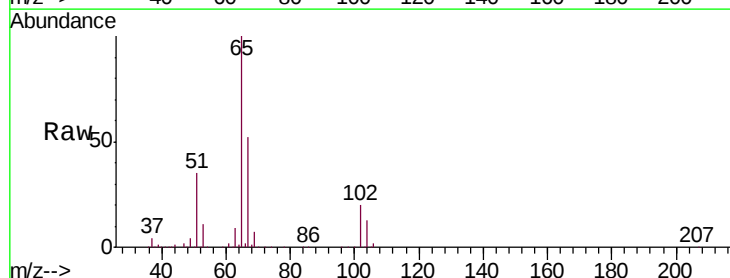
Acq: 27 Jul 2018 16:38

Tgt Ion: 65 Resp: 510943

Ion Ratio Lower Upper

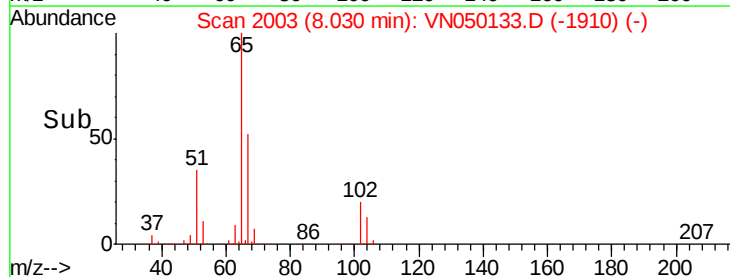
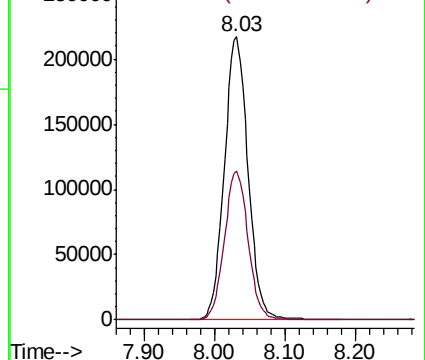
65 100

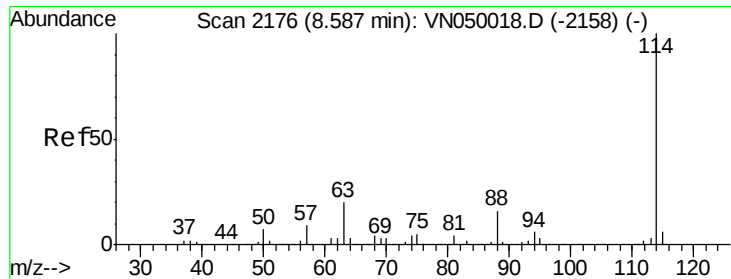
67 52.7 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

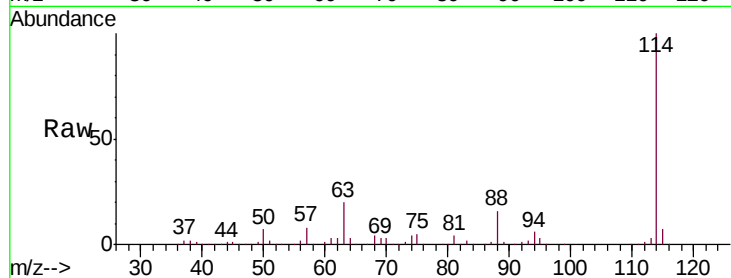




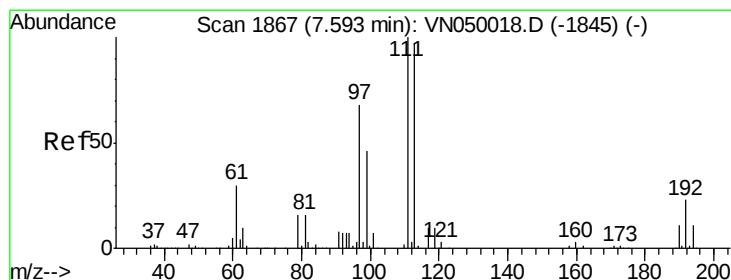
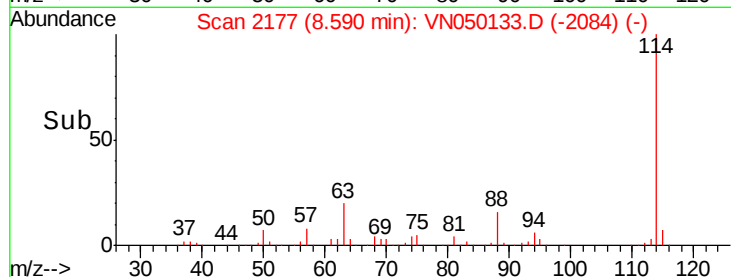
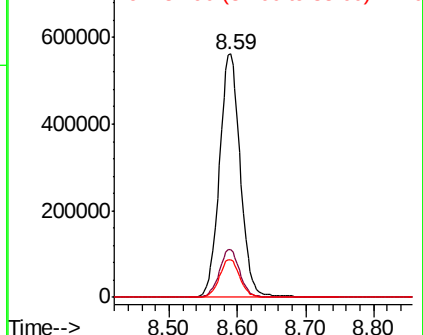
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050133.D
 Acq: 27 Jul 2018 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER-TOTESDL

Tot Ion:114 Resp: 1187254
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.6 0.0 31.2

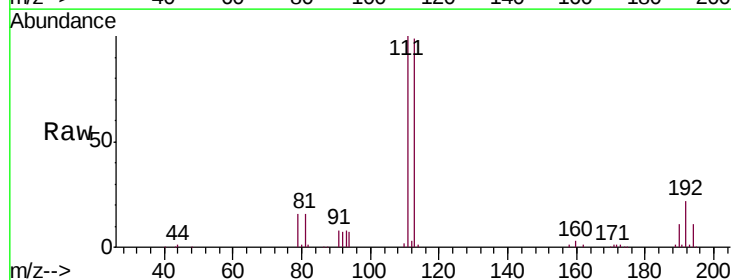


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

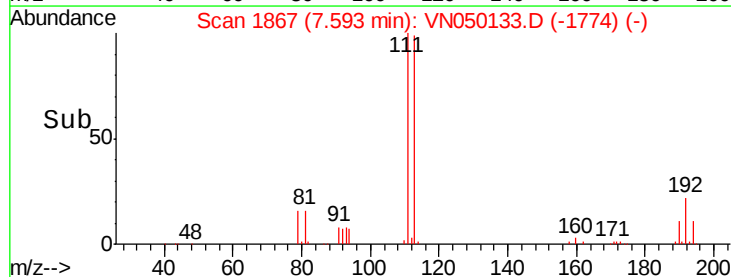
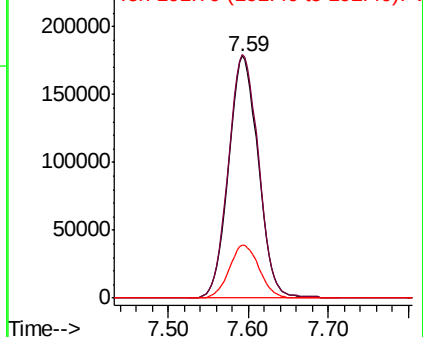


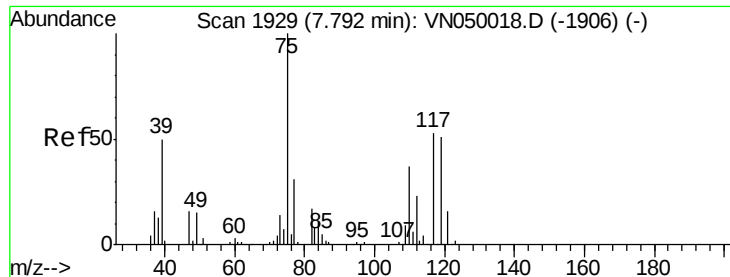
#35
 Dibromofluoromethane
 Concen: 46.49 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050133.D
 Acq: 27 Jul 2018 16:38

Tgt Ion:113 Resp: 450648
 Ion Ratio Lower Upper
 113 100
 111 102.3 80.7 121.1
 192 22.0 17.8 26.6



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: 3.93 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER-TOTESDL

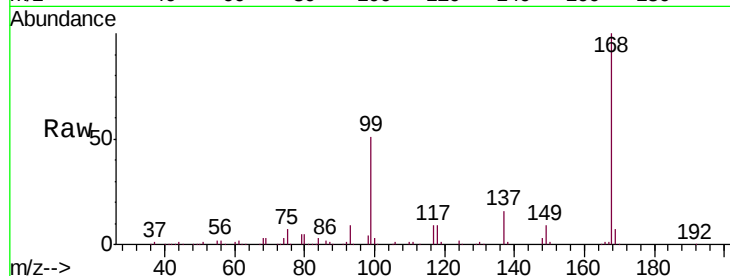
Tot Ion: 75 Resp: 52627

Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.2#

77 0.0 25.3 37.9#



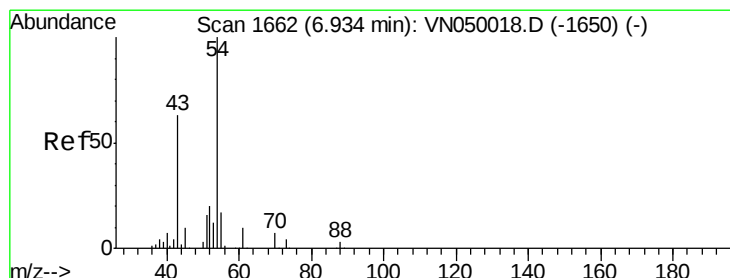
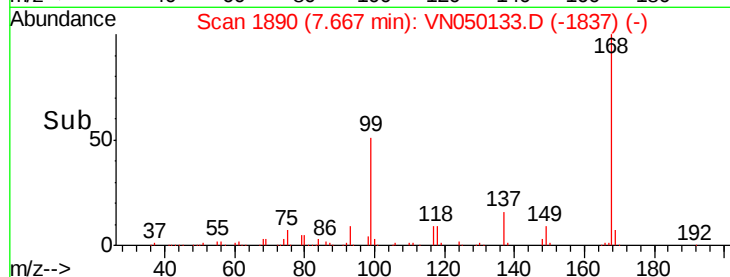
Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-1906) (-)

Ion 109.90 (109.60 to 110.60): VN050018.D (-1906) (-)

Ion 76.90 (76.60 to 77.60): VN050018.D (-1906) (-)

7.67

Time-->



#37

Ethyl Acetate

Concen: 6.98 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. -0.09 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

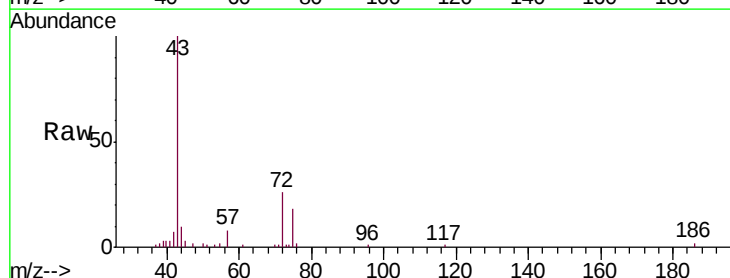
Tgt Ion: 43 Resp: 65111

Ion Ratio Lower Upper

43 100

61 0.6 11.8 17.8#

70 0.2 8.4 12.6#



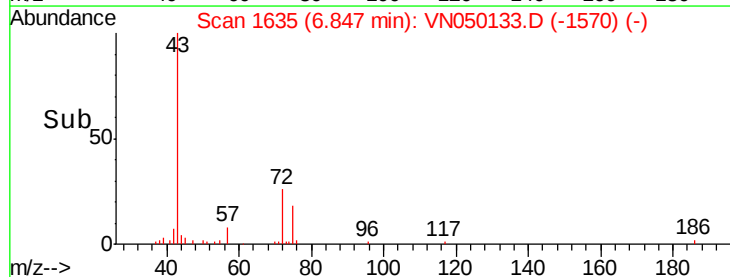
Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-1650) (-)

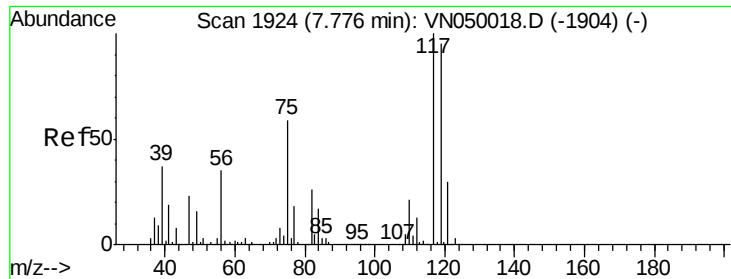
Ion 60.90 (60.60 to 61.60): VN050018.D (-1650) (-)

Ion 70.00 (69.70 to 70.70): VN050018.D (-1650) (-)

6.85

Time-->

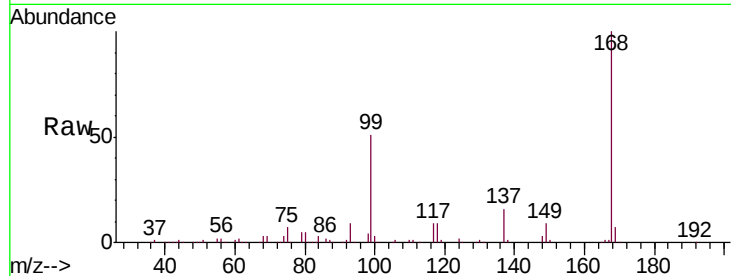




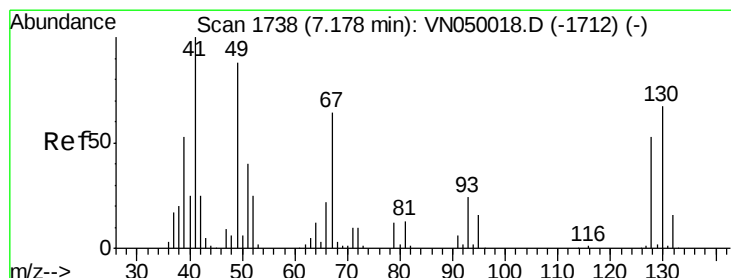
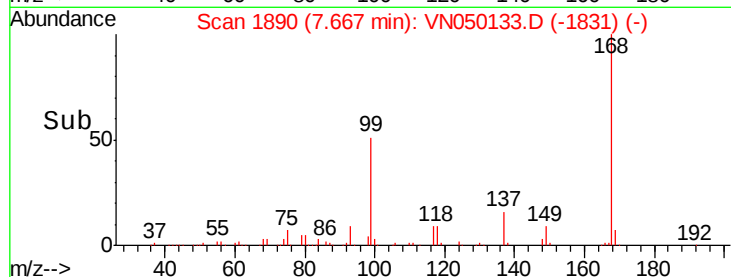
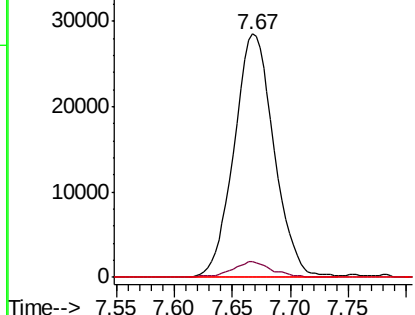
#38
Carbon Tetrachloride
Concen: 4.81 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050133.D
Acq: 27 Jul 2018 16:38

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-TOTESDL

Tot Ion:117 Resp: 68261
Ion Ratio Lower Upper
117 100
119 6.5 77.4 116.0#
121 0.0 23.9 35.9#

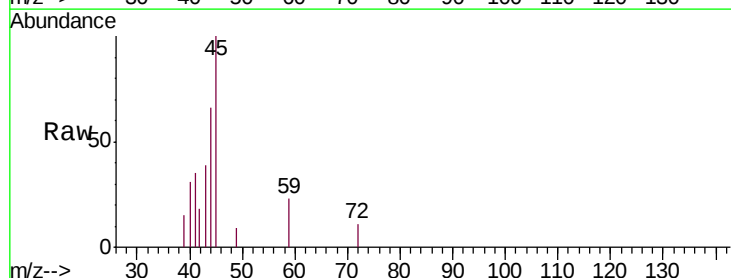


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

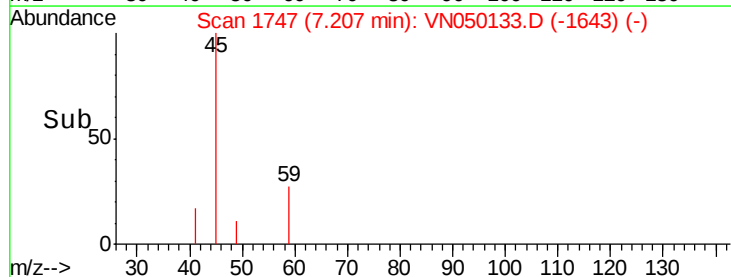
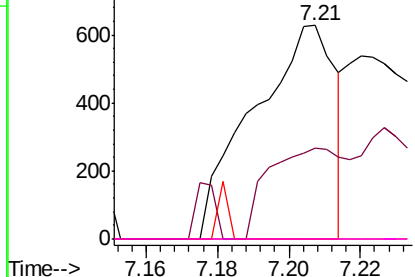


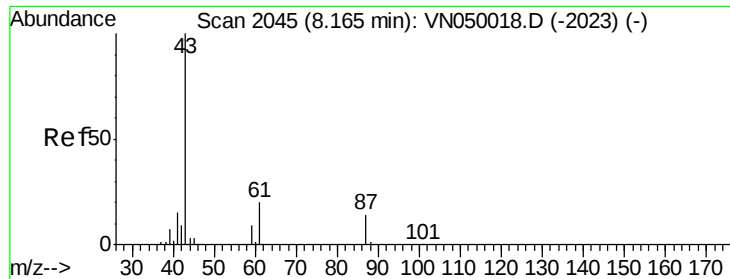
#41
Methacrylonitrile
Concen: 2.94 ug/l
RT: 7.21 min Scan# 1747
Delta R.T. 0.03 min
Lab File: VN050133.D
Acq: 27 Jul 2018 16:38

Tgt Ion: 41 Resp: 999
Ion Ratio Lower Upper
41 100
39 40.6 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 2.42 ug/l

RT: 8.25 min Scan# 2072

Delta R.T. 0.08 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER-TOTESDL

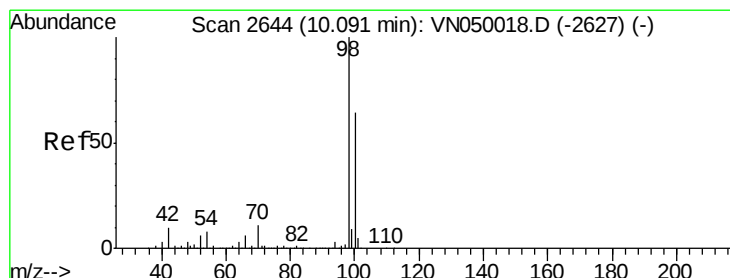
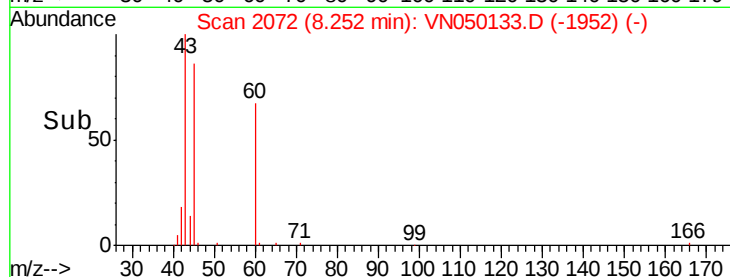
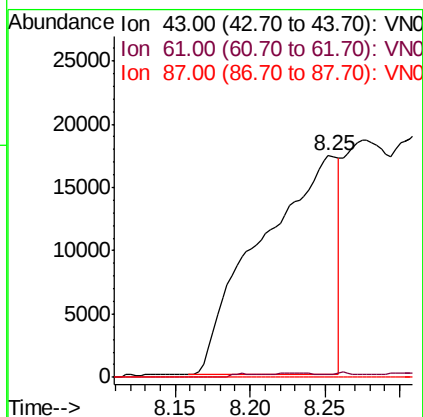
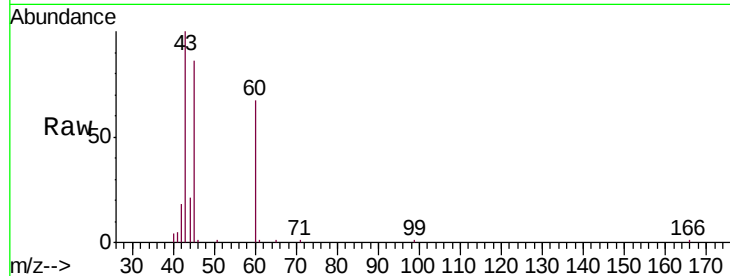
Tot Ion: 43 Resp: 61656

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 45.69 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050133.D

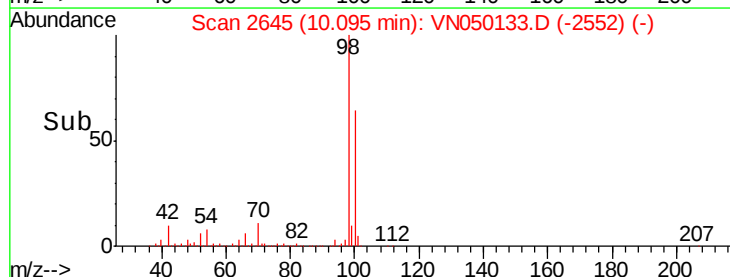
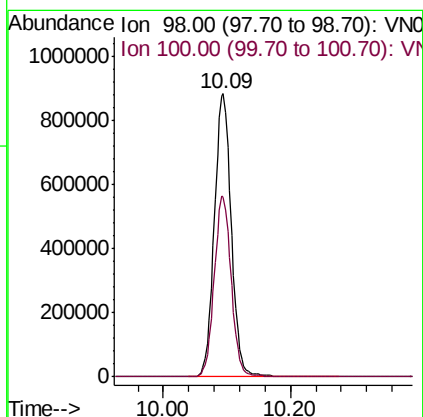
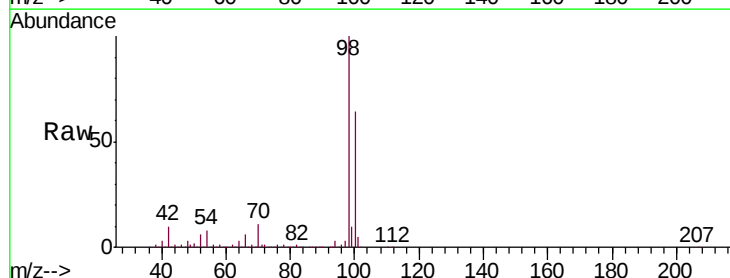
Acq: 27 Jul 2018 16:38

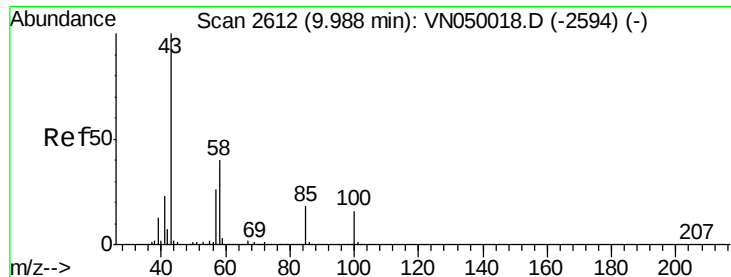
Tgt Ion: 98 Resp: 1628343

Ion Ratio Lower Upper

98 100

100 64.1 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 1.12 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

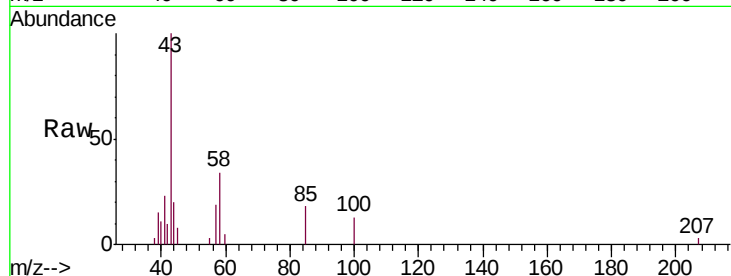
OILY-WATER-TOTESDL

Tot Ion: 43 Resp: 10272

Ion Ratio Lower Upper

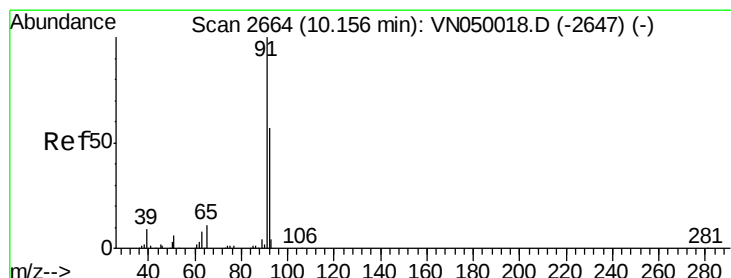
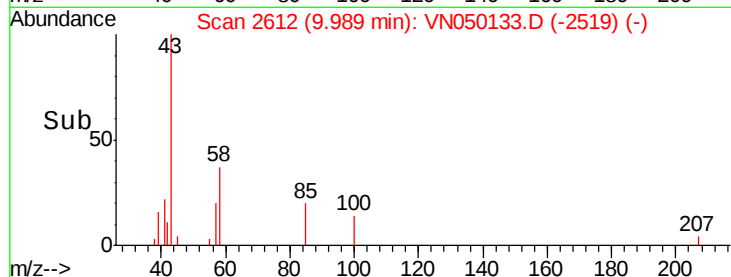
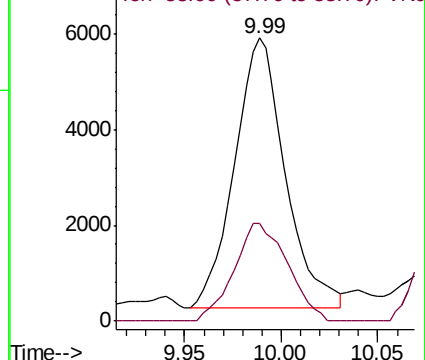
43 100

58 38.2 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2594) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-2594) (-)



#52

Toluene

Concen: 0.32 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050133.D

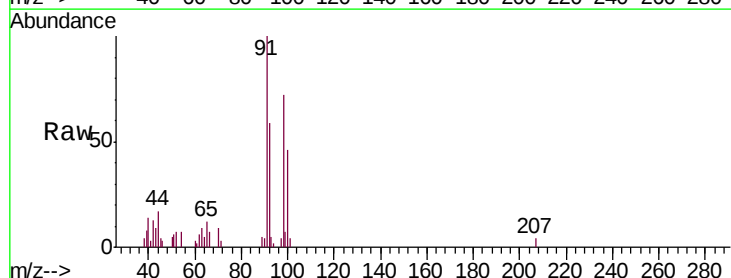
Acq: 27 Jul 2018 16:38

Tgt Ion: 92 Resp: 7805

Ion Ratio Lower Upper

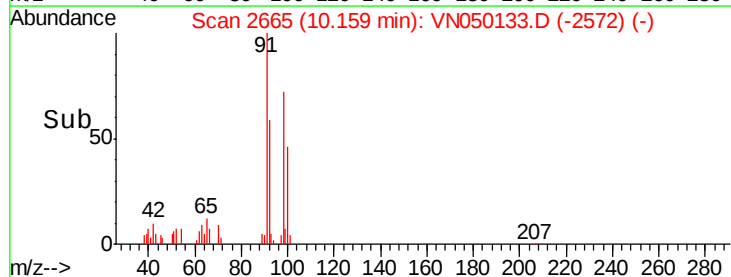
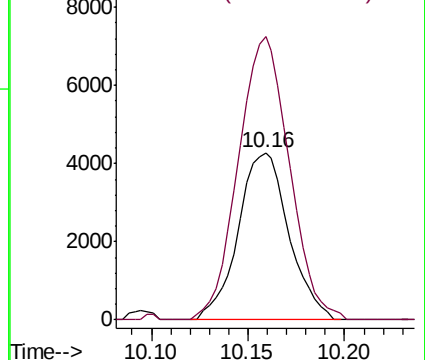
92 100

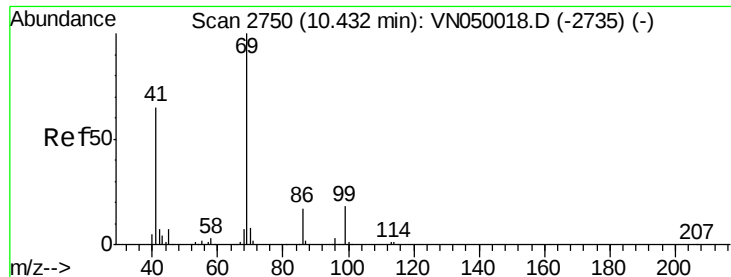
91 170.7 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN050018.D (-2647) (-)

Ion 91.00 (90.70 to 91.70): VN050018.D (-2647) (-)





#56

Ethyl methacrylate

Concen: 2.04 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER-TOTESDL

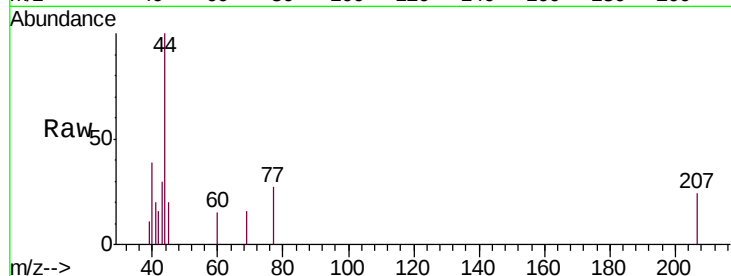
Tot Ion: 69 Resp: 193

Ion Ratio Lower Upper

69 100

41 72.5 51.0 76.4

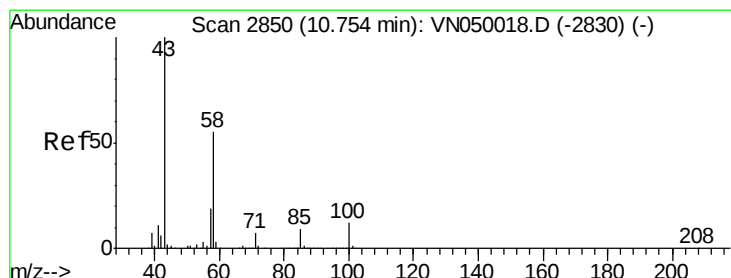
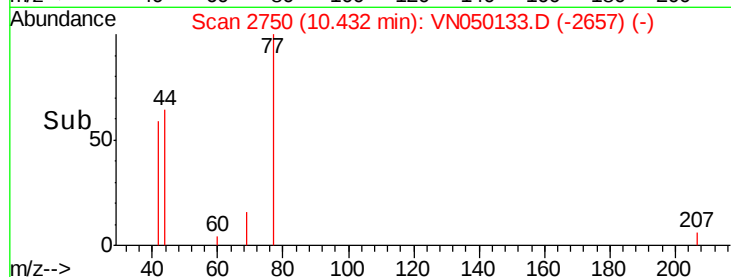
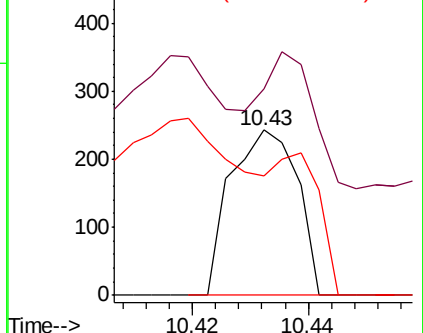
39 0.0 26.6 40.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 8.00 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN050133.D

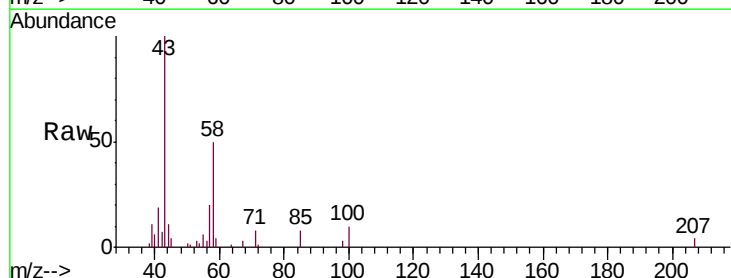
Acq: 27 Jul 2018 16:38

Tgt Ion: 43 Resp: 19465

Ion Ratio Lower Upper

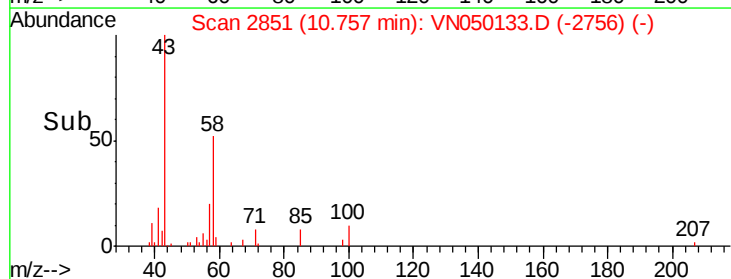
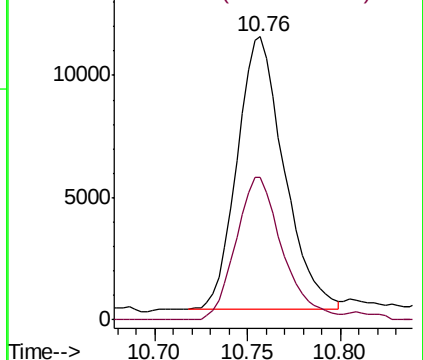
43 100

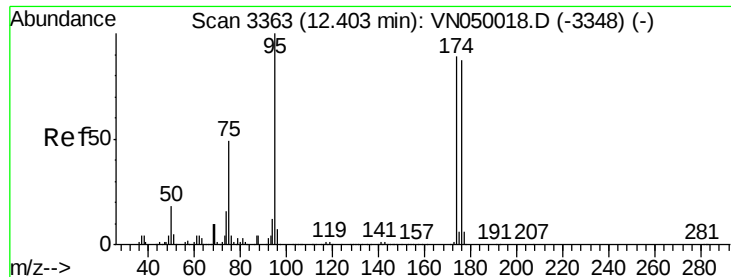
58 52.6 27.6 82.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 40.56 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER-TOTESDL

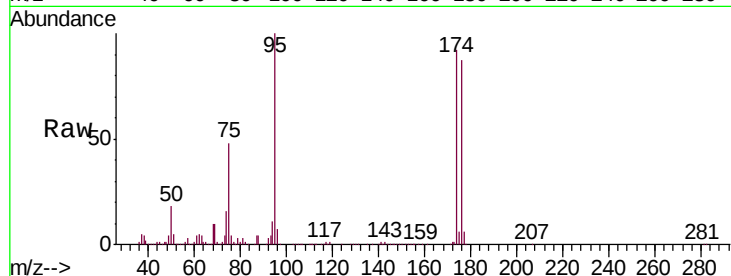
Tot Ion: 95 Resp: 475992

Ion Ratio Lower Upper

95 100

174 92.0 0.0 178.2

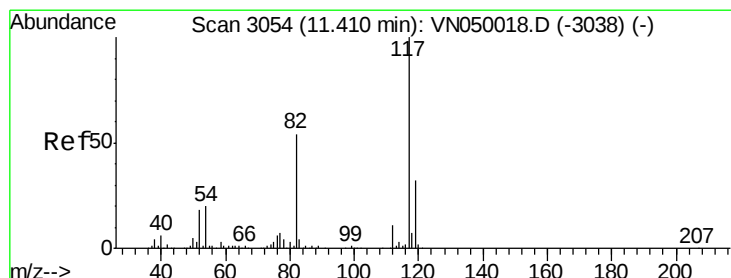
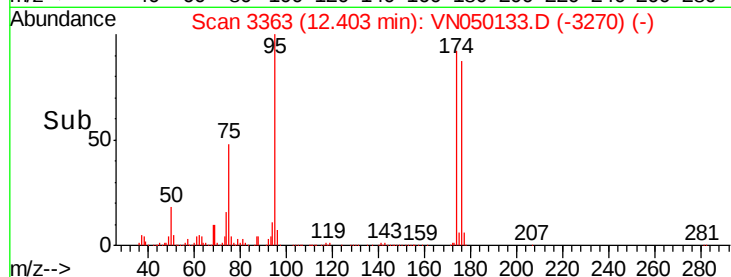
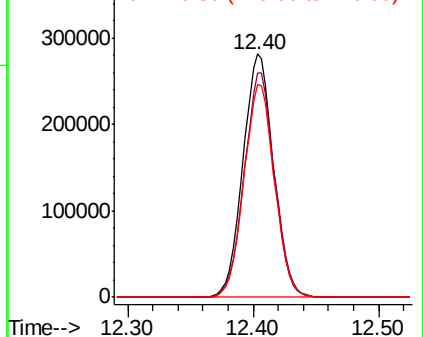
176 87.6 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN050133.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN050133.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN050133.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

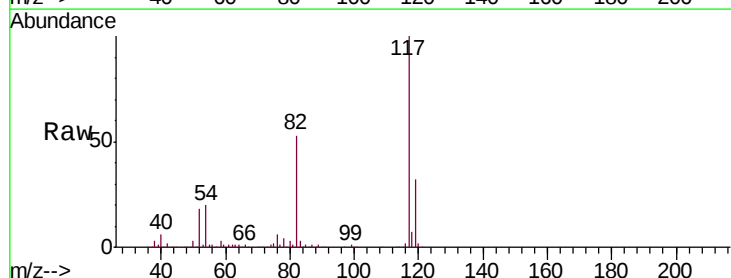
Tgt Ion: 117 Resp: 1012360

Ion Ratio Lower Upper

117 100

82 53.2 43.7 65.5

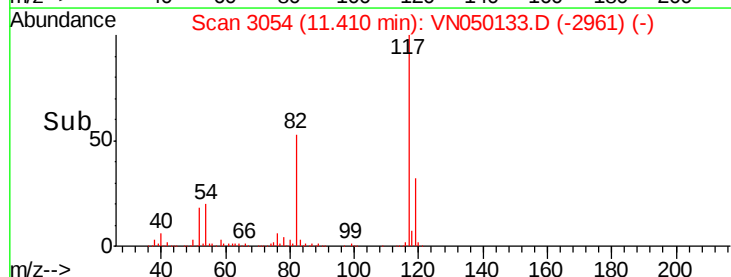
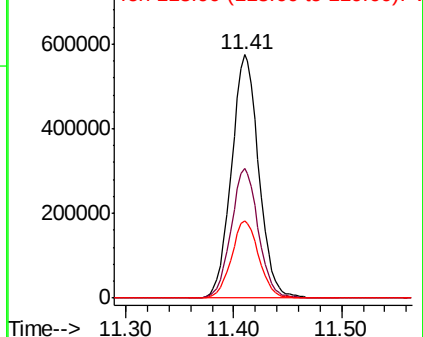
119 31.9 26.1 39.1

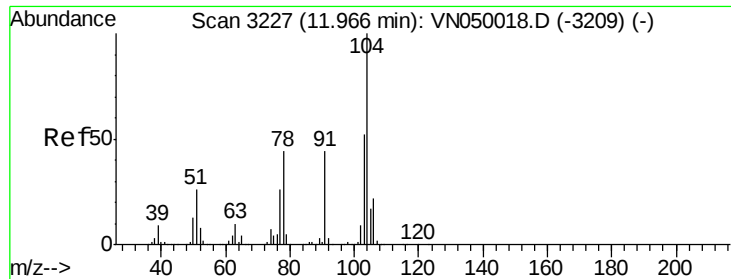


Abundance Ion 116.90 (116.60 to 117.60): VN050133.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN050133.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN050133.D (-2961) (-)





#70

Stvrene

Concen: 0.97 ug/l

RT: 11.97 min Scan# 3228

Delta R.T. 0.00 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER-TOTESDL

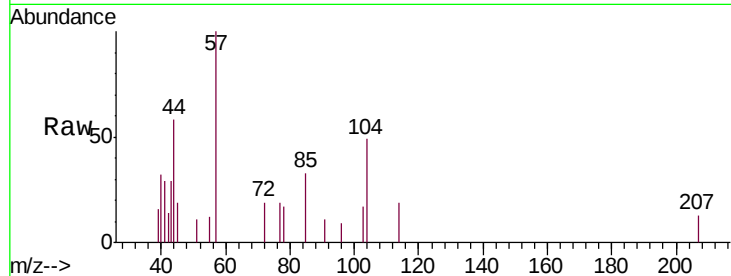
Tot Ion:104 Resp: 1284

Ion Ratio Lower Upper

104 100

78 46.9 39.3 58.9

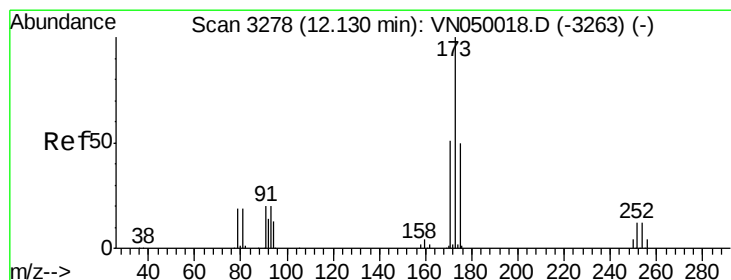
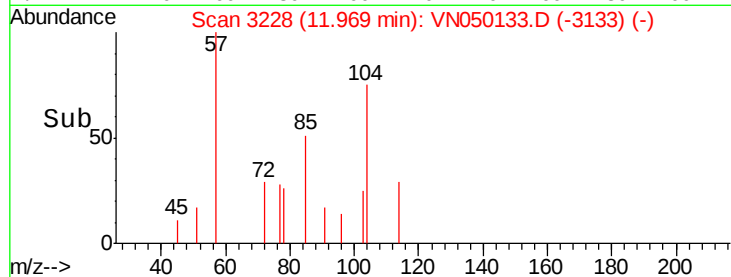
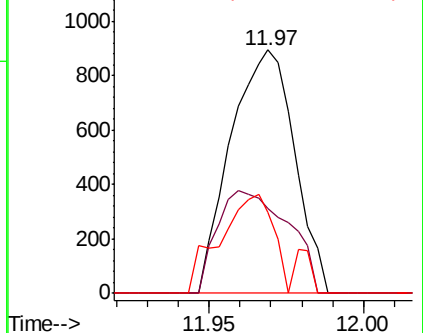
103 34.0 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.55 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

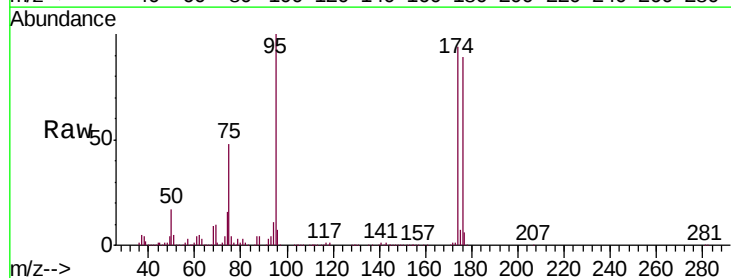
Tgt Ion:173 Resp: 3911

Ion Ratio Lower Upper

173 100

175 697.5 24.1 72.2#

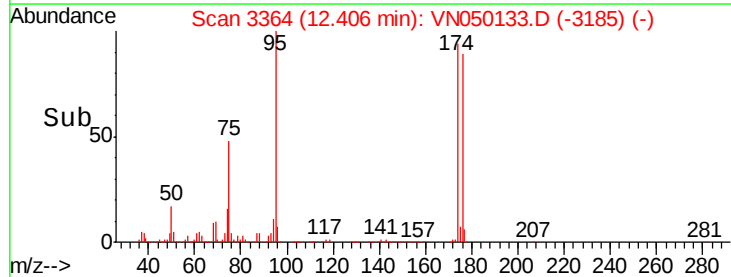
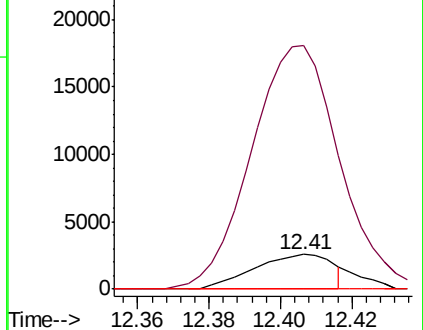
254 0.0 0.2 0.2#

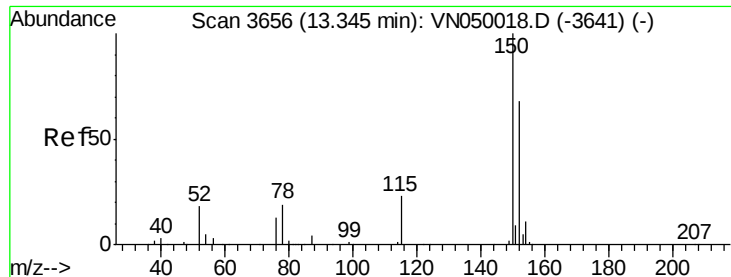


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER-TOTESDL

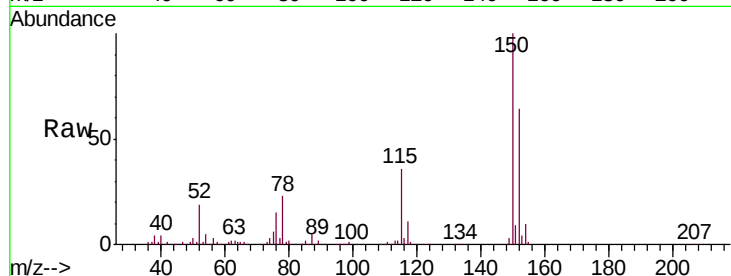
Tot Ion:152 Resp: 398198

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.3

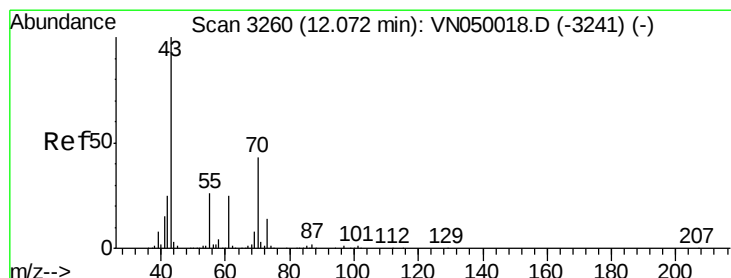
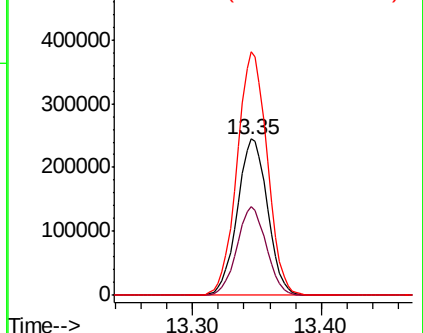
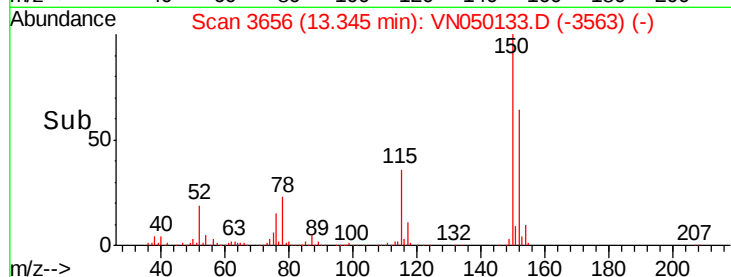
150 155.4 0.0 348.6



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-ethyl acetate

Concen: 1.44 ug/l

RT: 12.03 min Scan# 3247

Delta R.T. -0.04 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

Tgt Ion: 43 Resp: 13632

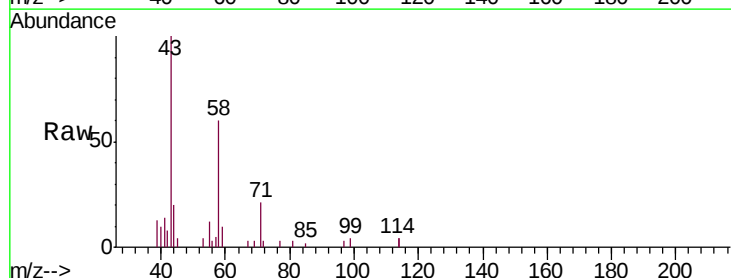
Ion Ratio Lower Upper

43 100

70 0.7 34.4 51.6#

55 8.2 20.8 31.2#

61 0.0 19.7 29.5#

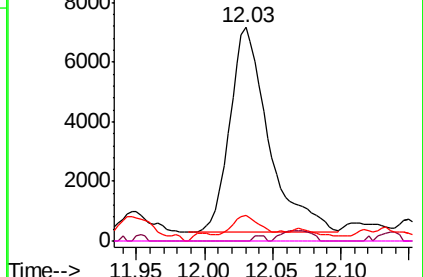
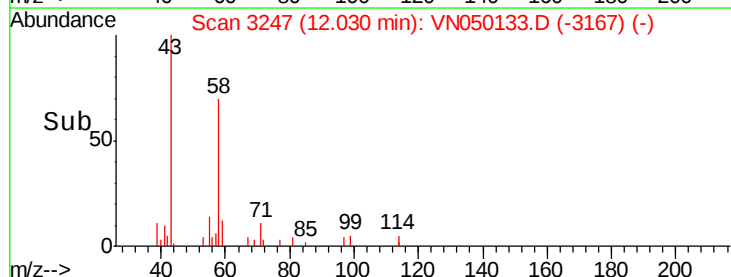


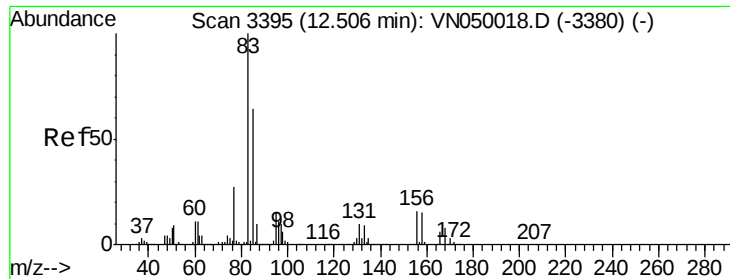
Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 70.00 (69.70 to 70.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 61.00 (60.70 to 61.70): VN





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER-TOTESDL

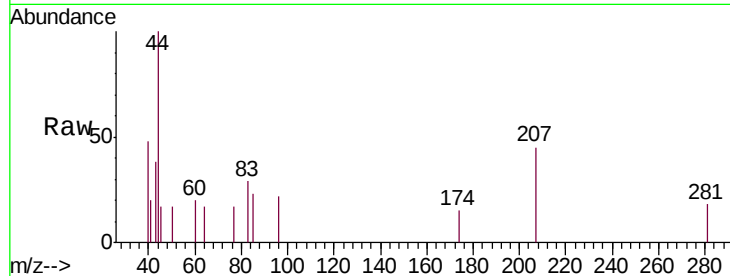
Tot Ion: 83 Resp: 456

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

85 90.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO

12.50

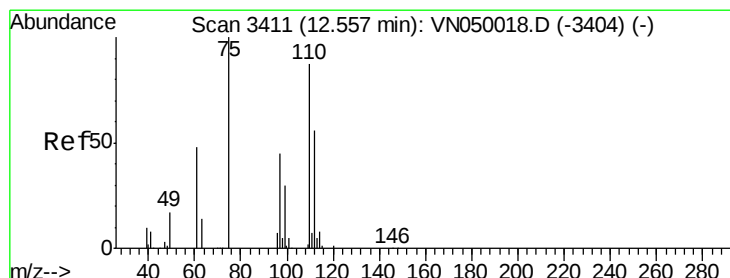
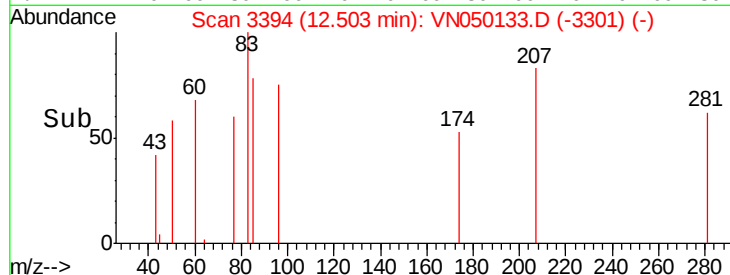
300

200

100

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 31.47 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050133.D

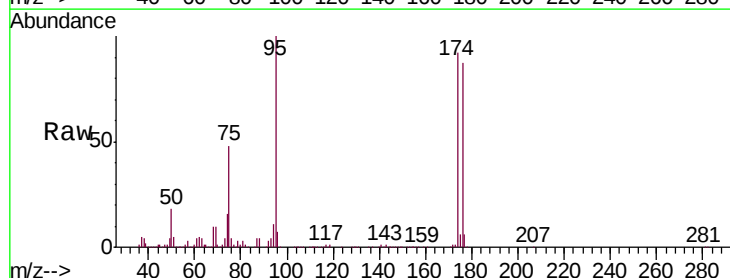
Acq: 27 Jul 2018 16:38

Tgt Ion: 75 Resp: 232896

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

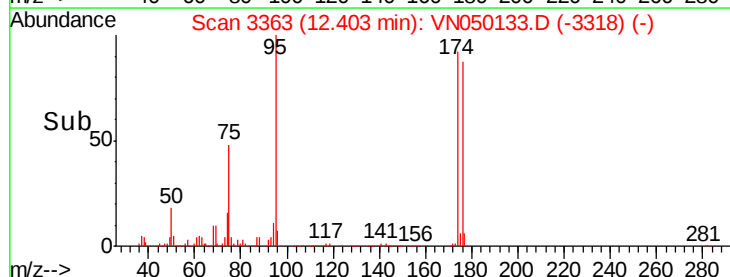
150000

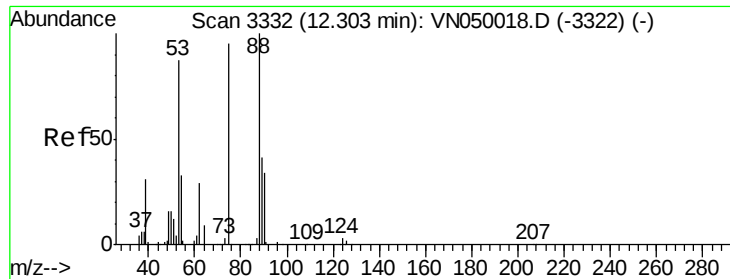
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 99.82 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER-TOTESDL

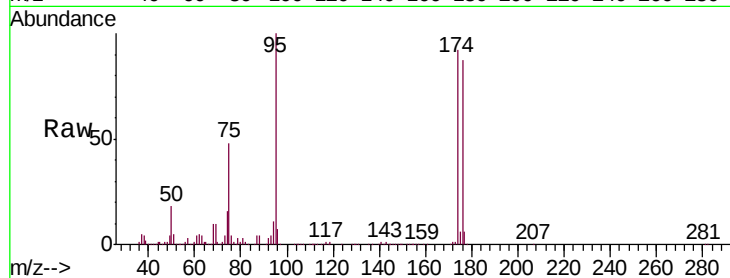
Tot Ion: 75 Resp: 232896

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

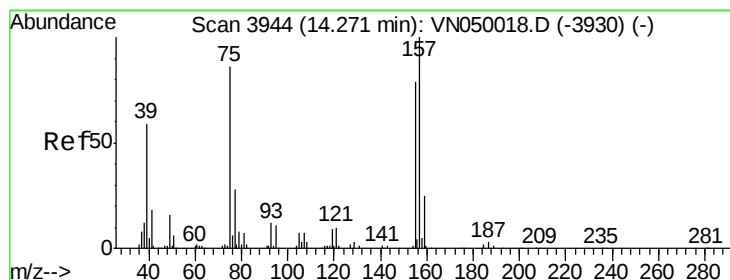
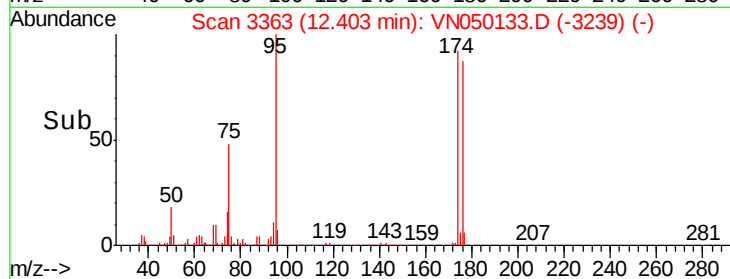
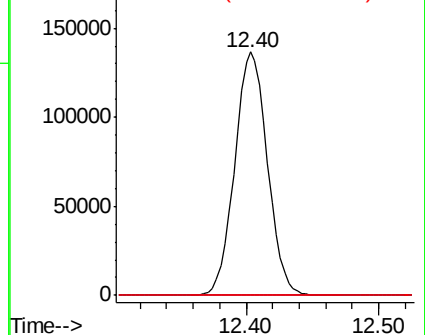
89 0.0 36.0 54.0#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.28 min Scan# 3946

Delta R.T. 0.01 min

Lab File: VN050133.D

Acq: 27 Jul 2018 16:38

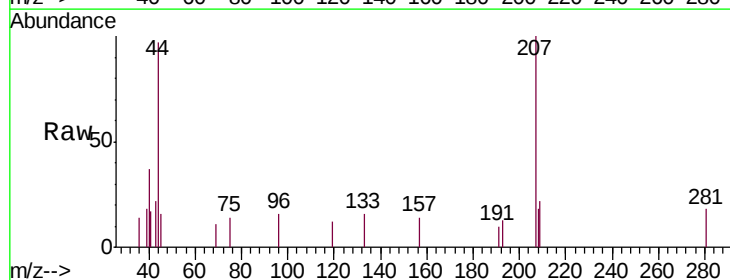
Tgt Ion: 75 Resp: 142

Ion Ratio Lower Upper

75 100

155 64.1 44.8 134.4

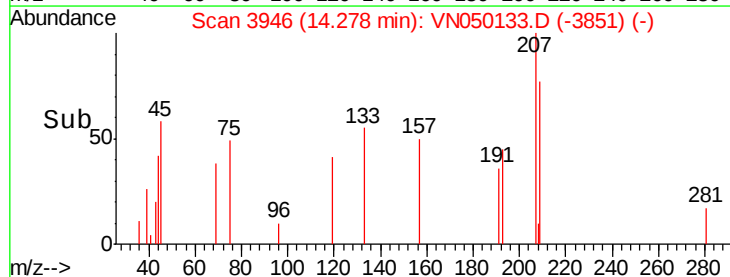
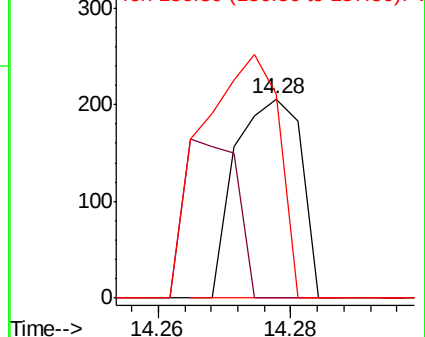
157 141.5 57.2 171.6

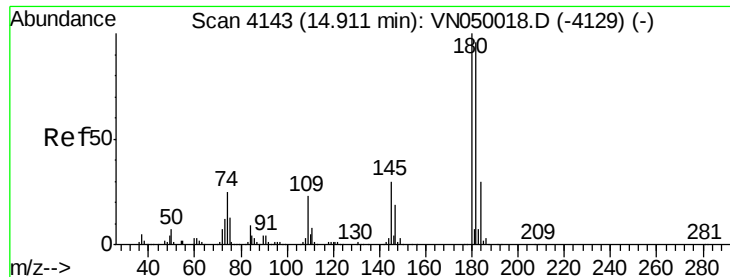


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

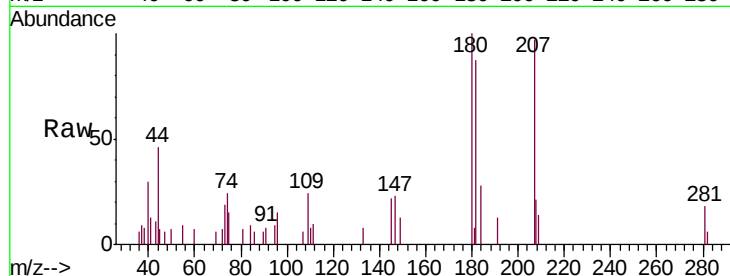




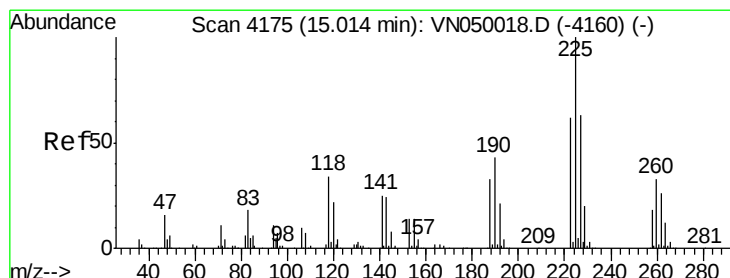
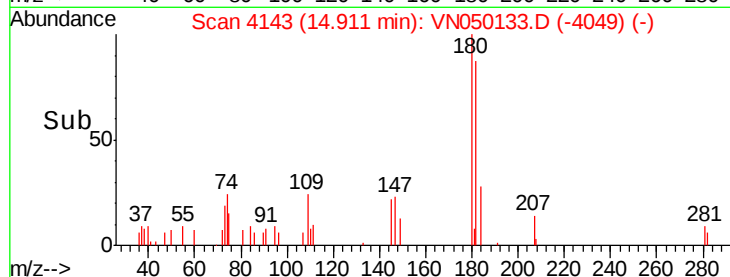
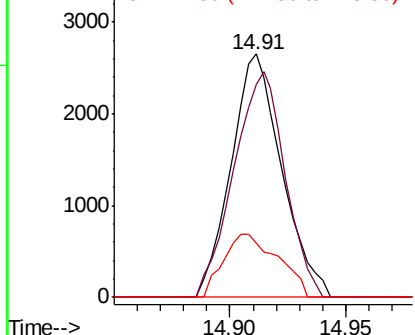
#93
 1,2,4-Trichlorobenzene
 Concen: 3.58 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050133.D
 Acq: 27 Jul 2018 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER-TOTESDL

Tot Ion:180 Resp: 4025
 Ion Ratio Lower Upper
 180 100
 182 93.6 46.7 140.1
 145 27.9 13.8 41.4

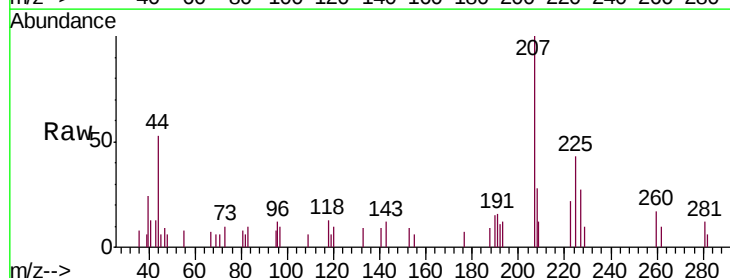


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

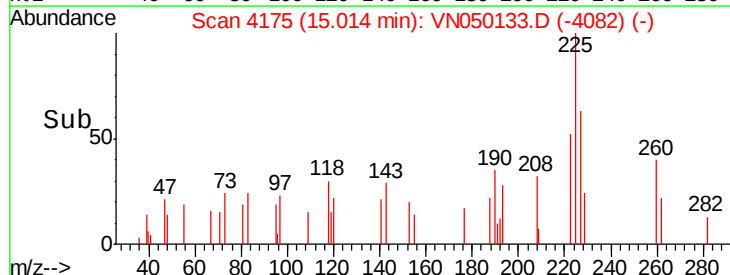
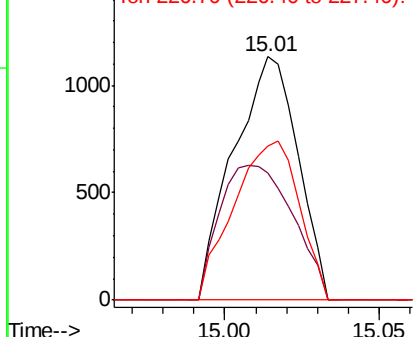


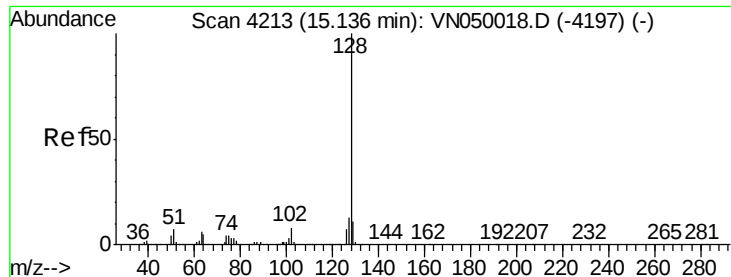
#94
 Hexachlorobutadiene
 Concen: 0.37 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050133.D
 Acq: 27 Jul 2018 16:38

Tgt Ion:225 Resp: 1643
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.4 94.2
 227 66.6 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

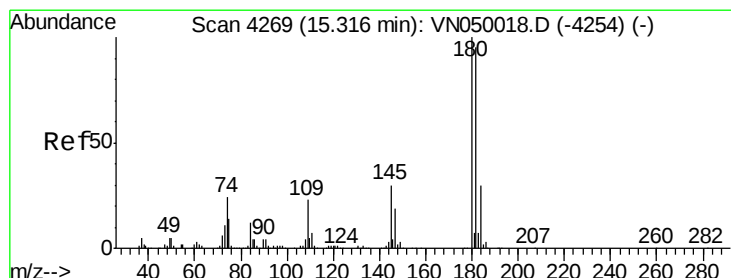
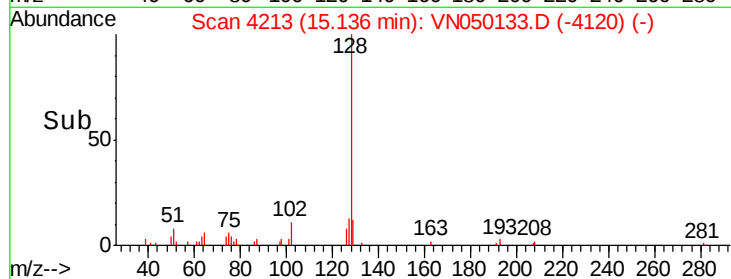
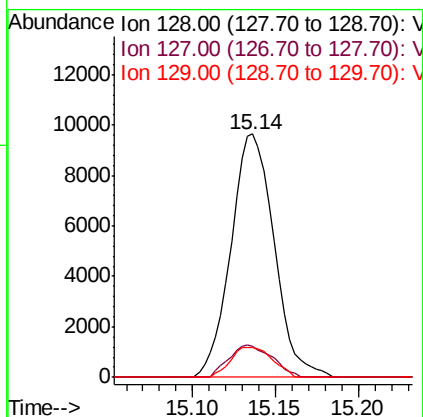
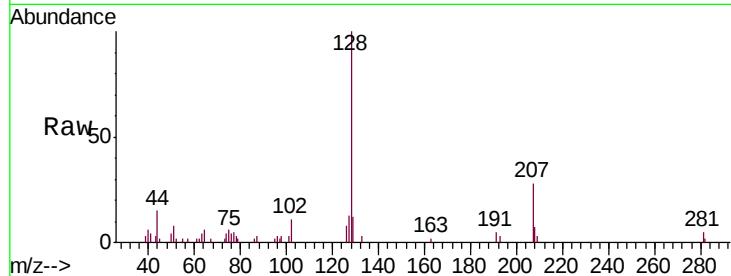




#95
Naphthalene
Concen: 5.29 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050133.D
Acq: 27 Jul 2018 16:38

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-TOTESDL

Tot Ion:128 Resp: 17493
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 12.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 2.86 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN050133.D
Acq: 27 Jul 2018 16:38

Tgt Ion:180 Resp: 5106
Ion Ratio Lower Upper
180 100
182 85.6 48.1 144.4
145 30.8 15.3 45.9

