

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052862.D
 Acq On : 13 Dec 2018 14:14
 Operator : MD\SY
 Sample : J6373-10DL 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATERDL

Quant Time: Dec 14 01:38:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1243892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1900029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1672126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	705228	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	614717	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
35) Dibromofluoromethane	7.59	113	538012	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	10.09	98	2304634	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.40	95	757454	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	

Target Compounds

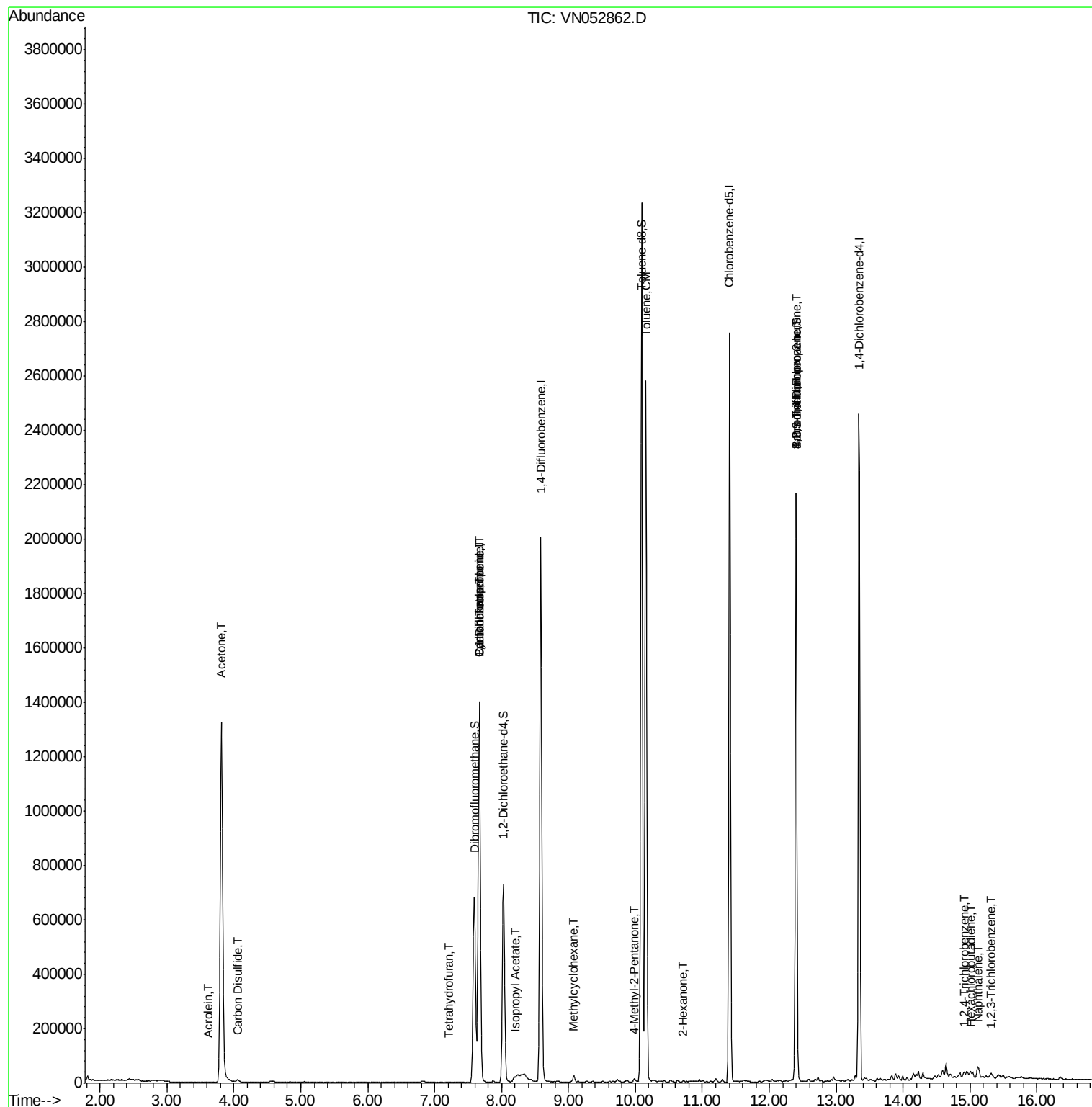
						Qvalue
13) Acrolein	3.62	56	467	0.671	ug/l #	72
16) Acetone	3.81	43	2264487	762.327	ug/l	98
17) Carbon Disulfide	4.06	76	7178	0.204	ug/l	95
29) Tetrahydrofuran	7.22	42	826	0.263	ug/l #	45
31) Cyclohexane	7.66	56	23322	0.466	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	80836	4.620	ug/l #	49
38) Carbon Tetrachloride	7.67	117	109293	6.786	ug/l #	15
39) Methylcyclohexane	9.08	83	10216	0.476	ug/l	91
43) Isopropyl Acetate	8.19	43	10811	0.502	ug/l #	53
51) 4-Methyl-2-Pentanone	9.99	43	9198	0.931	ug/l	98
52) Toluene	10.16	92	1154022	36.283	ug/l	100
59) 2-Hexanone	10.72	43	3005	0.444	ug/l #	23
71) Bromoform	12.40	173	4517	0.551	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	355011	34.120	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	355011	109.609	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	5681	0.457	ug/l #	92
94) Hexachlorobutadiene	15.01	225	1512	0.210	ug/l	94
95) Naphthalene	15.13	128	20474	0.794	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	5839	0.511	ug/l	94

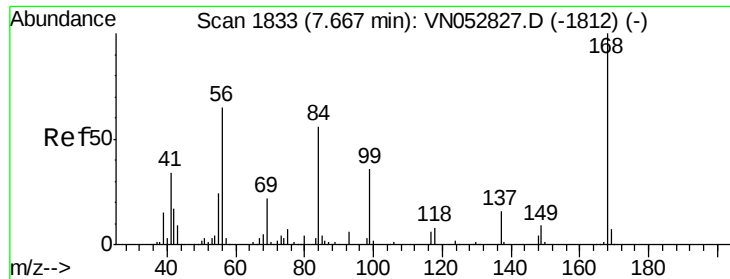
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052862.D

Acq: 13 Dec 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

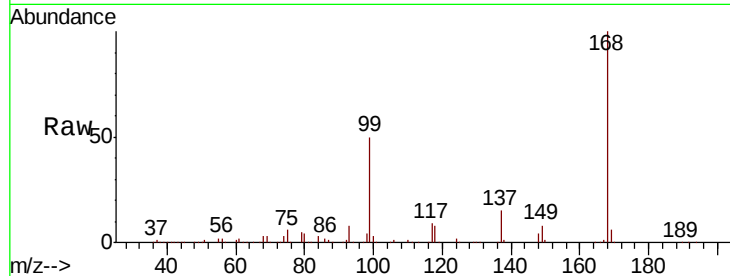
OILY-WATERDL

Tot Ion:168 Resp: 1243892

Ion Ratio Lower Upper

168 100

99 50.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1812) (-)

7.67

600000

500000

400000

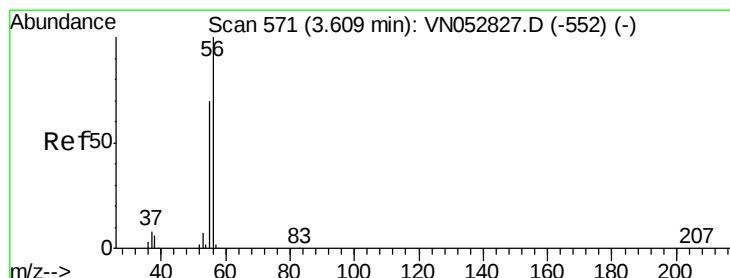
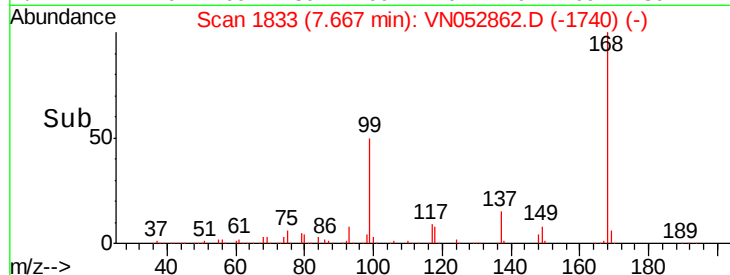
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.671 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.01 min

Lab File: VN052862.D

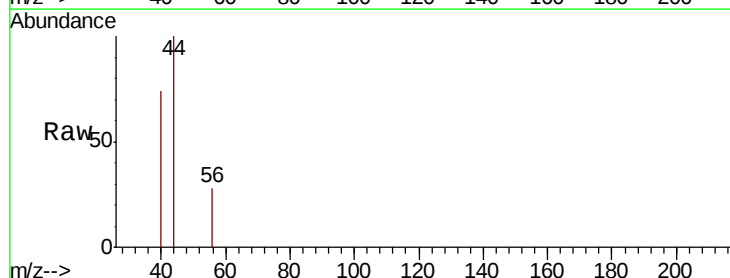
Acq: 13 Dec 2018 14:14

Tgt Ion: 56 Resp: 467

Ion Ratio Lower Upper

56 100

55 48.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN052827.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN052827.D (-552) (-)

3.62

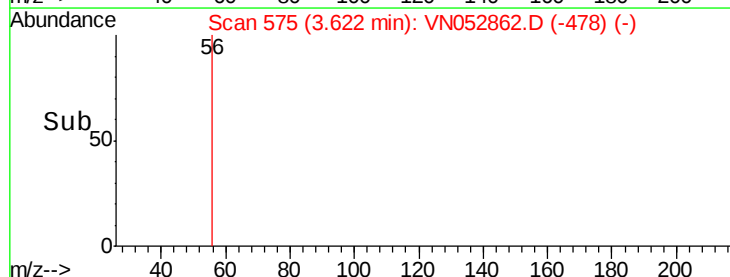
300

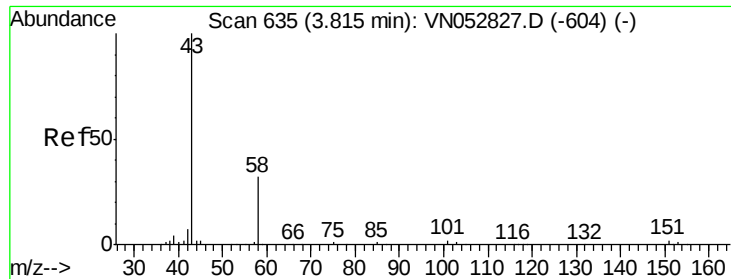
200

100

0

Time-->





#16

Acetone

Concen: 762.327 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052862.D

Acq: 13 Dec 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

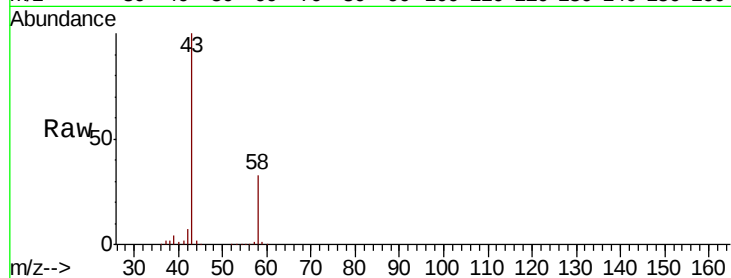
OILY-WATERDL

Tot Ion: 43 Resp: 2264487

Ion Ratio Lower Upper

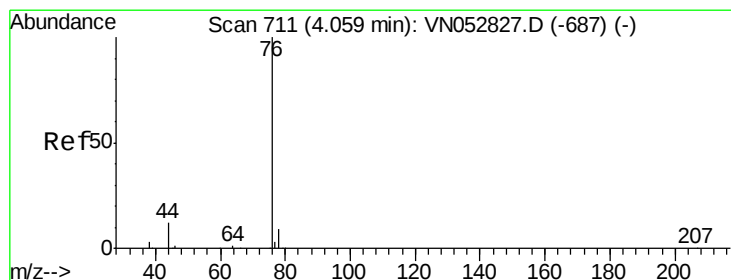
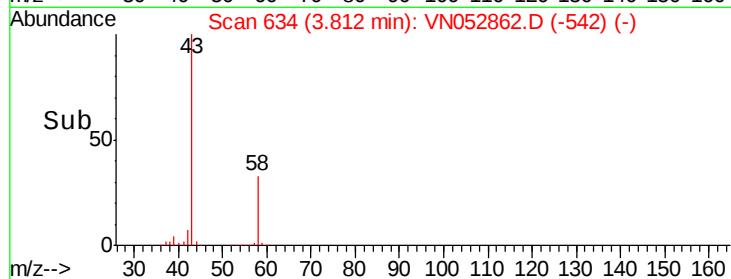
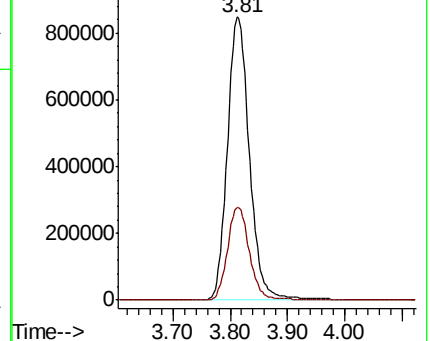
43 100

58 32.7 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.204 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052862.D

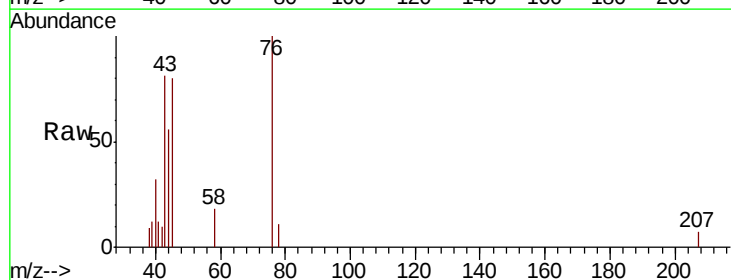
Acq: 13 Dec 2018 14:14

Tgt Ion: 76 Resp: 7178

Ion Ratio Lower Upper

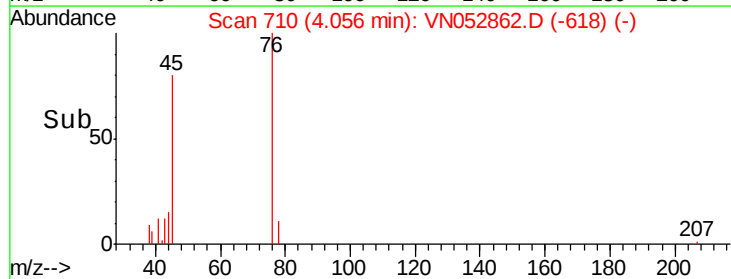
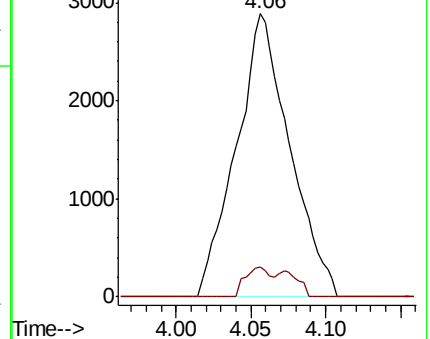
76 100

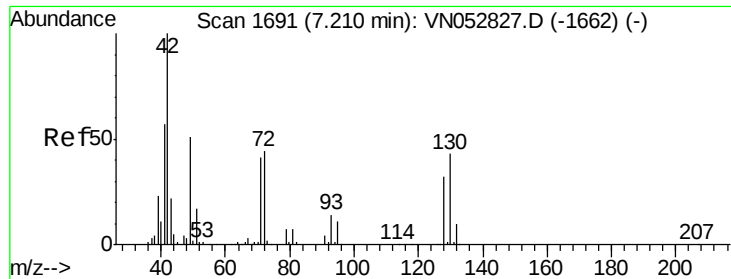
78 10.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

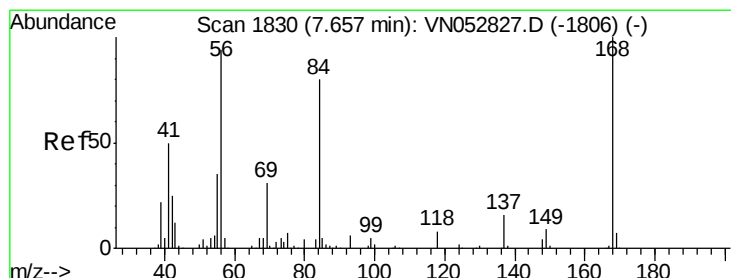
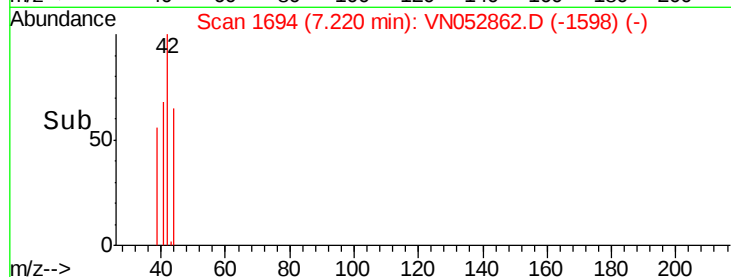
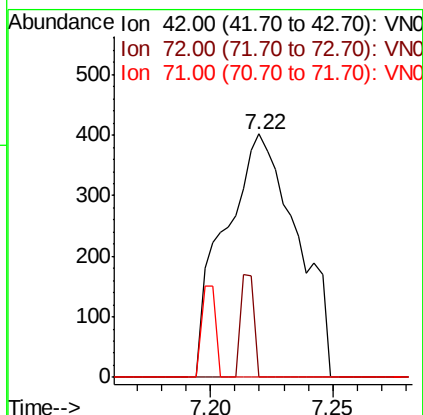
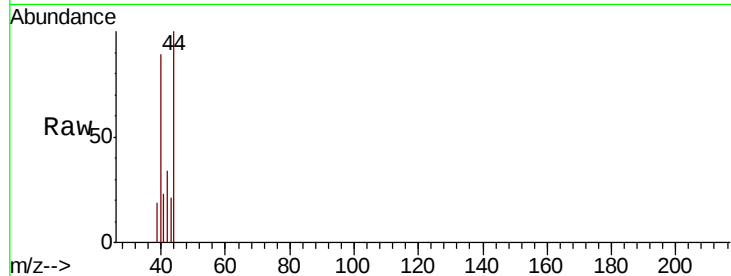




#29
Tetrahydrofuran
Concen: 0.263 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN052862.D
Acq: 13 Dec 2018 14:14

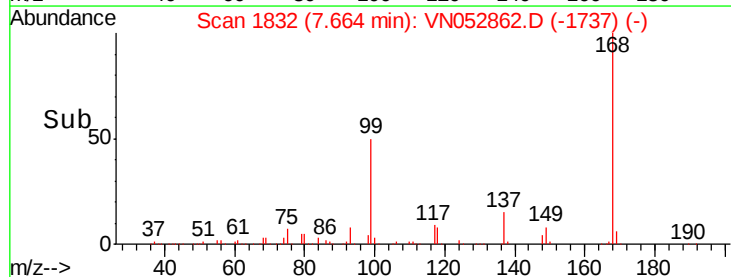
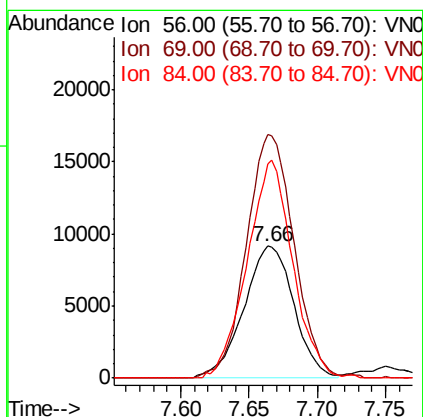
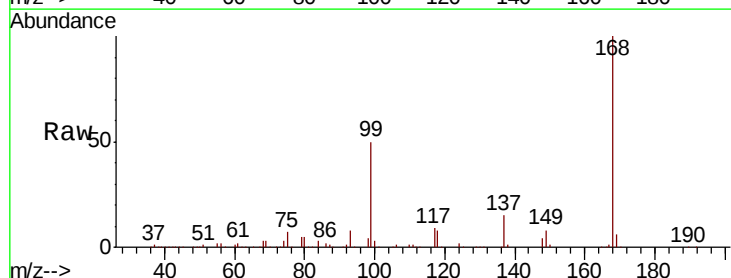
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

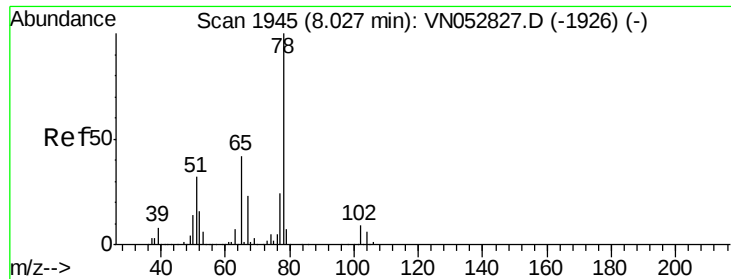
Tot Ion: 42 Resp: 826
Ion Ratio Lower Upper
42 100
72 7.9 34.7 52.1#
71 7.0 32.3 48.5#



#31
Cyclohexane
Concen: 0.466 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052862.D
Acq: 13 Dec 2018 14:14

Tgt Ion: 56 Resp: 23322
Ion Ratio Lower Upper
56 100
69 184.8 26.6 39.8#
84 162.2 68.4 102.6#

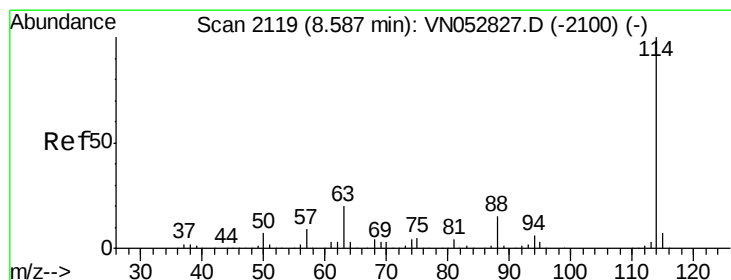
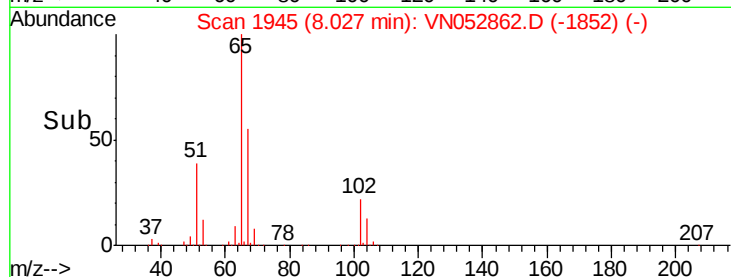
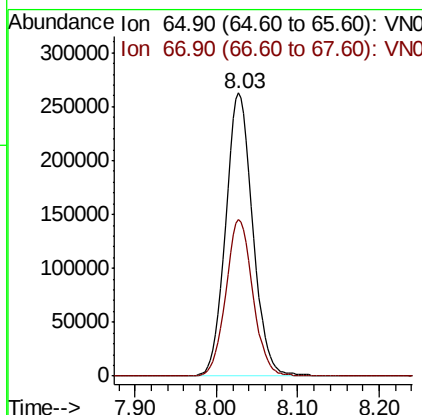
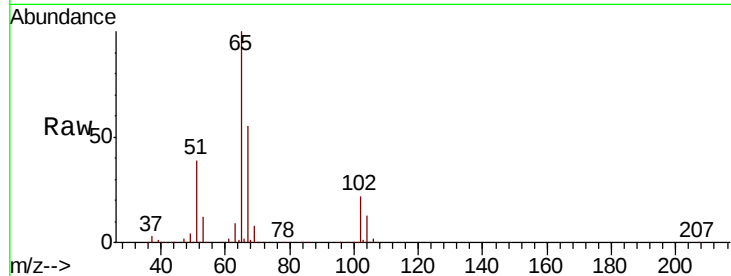




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052862.D
 Acq: 13 Dec 2018 14:14

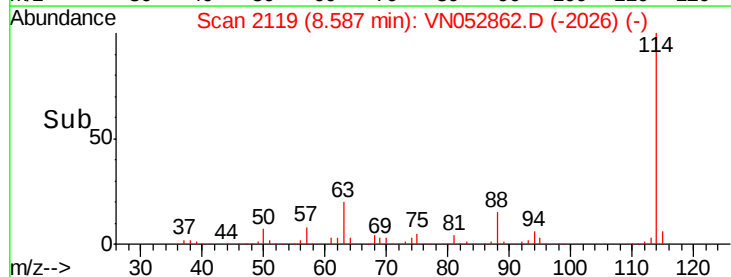
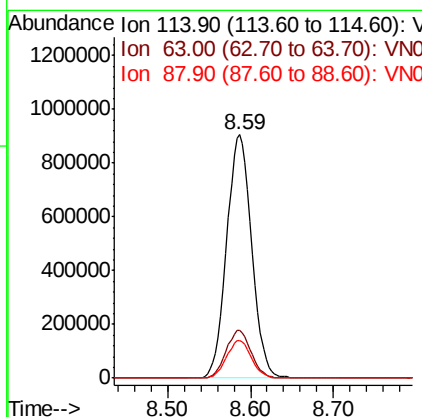
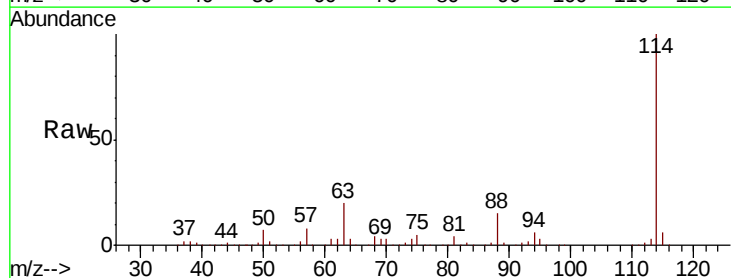
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATERDL

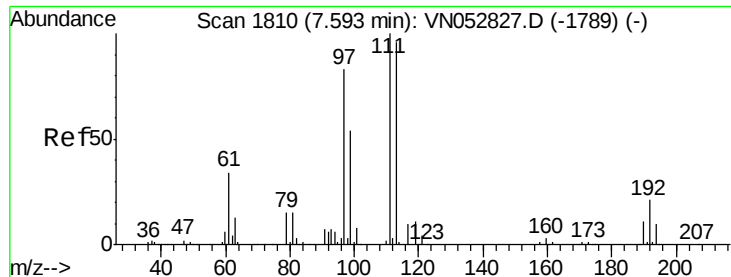
Tot Ion: 65 Resp: 614717
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052862.D
 Acq: 13 Dec 2018 14:14

Tgt Ion: 114 Resp: 1900029
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.4 0.0 31.0

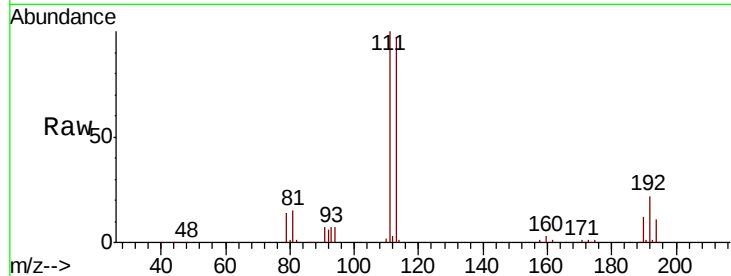




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052862.D
 Acq: 13 Dec 2018 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATERDL

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.0	124.4
192	22.6	17.5	26.3

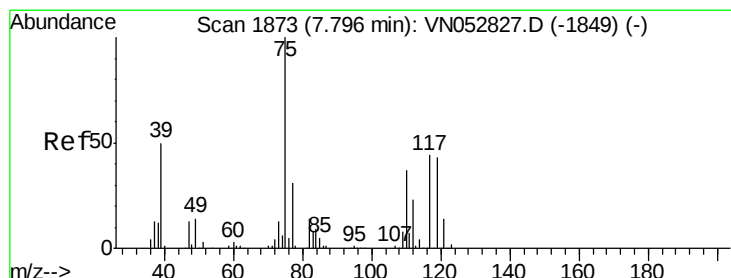
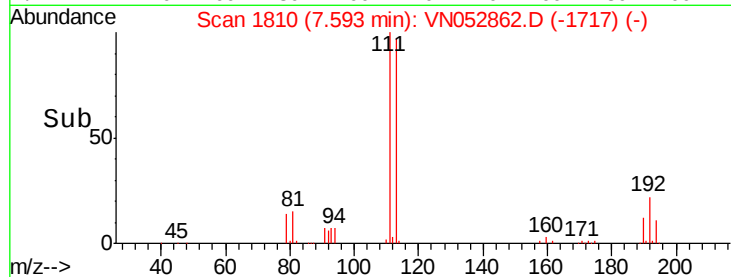
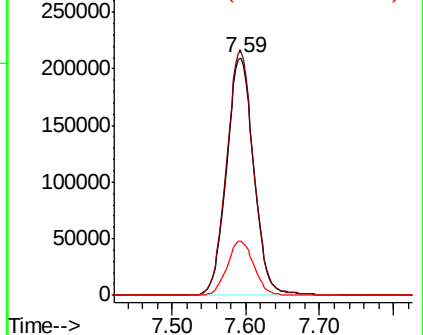


Abundance

Ion 112.80 (112.50 to 113.50): V

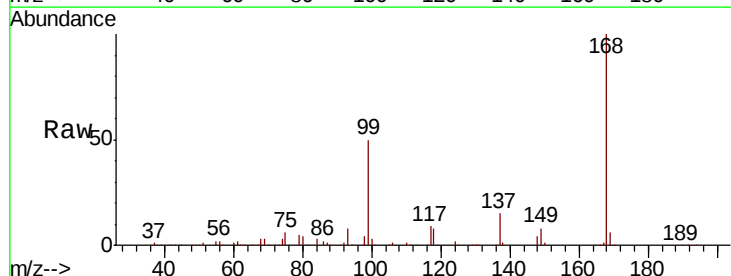
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.620 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052862.D
 Acq: 13 Dec 2018 14:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.2	54.6#
77	0.0	24.9	37.3#

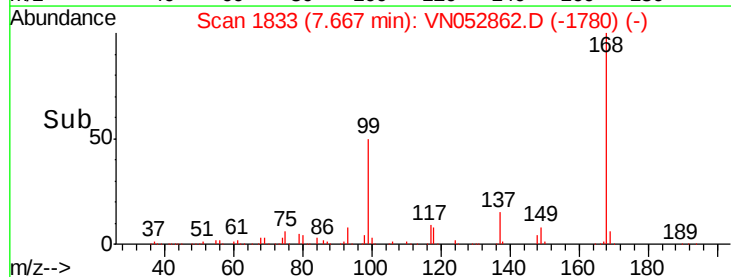
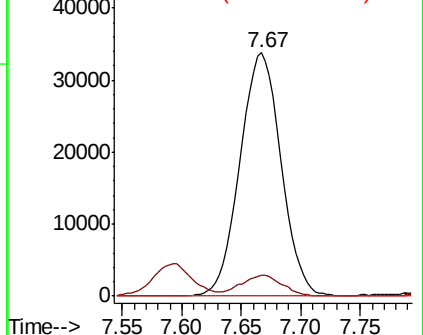


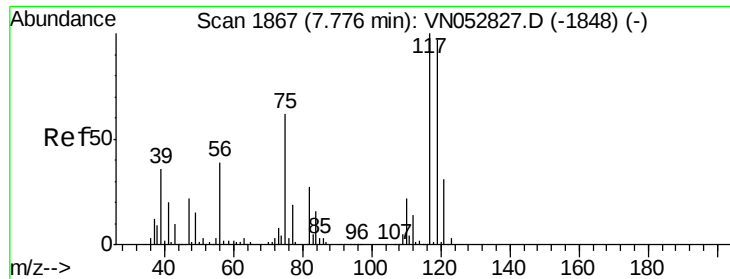
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 6.786 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052862.D

Acq: 13 Dec 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATERDL

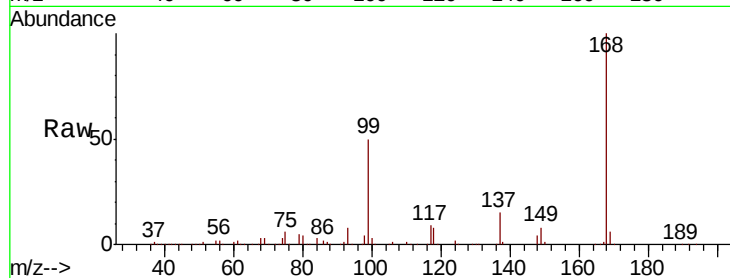
Tot Ion:117 Resp: 109293

Ion Ratio Lower Upper

117 100

119 4.5 77.1 115.7#

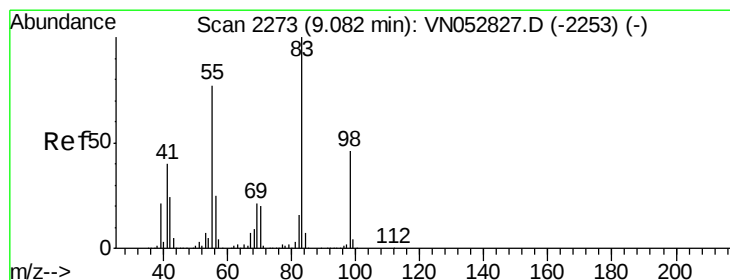
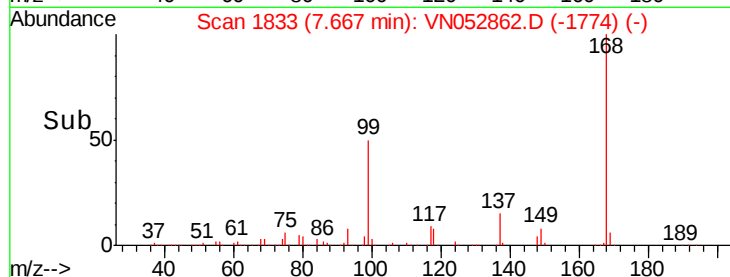
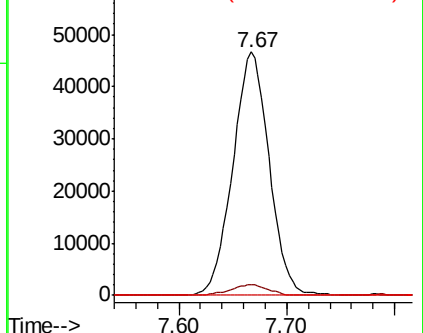
121 0.0 24.9 37.3#



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



#39

Methylcyclohexane

Concen: 0.476 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN052862.D

Acq: 13 Dec 2018 14:14

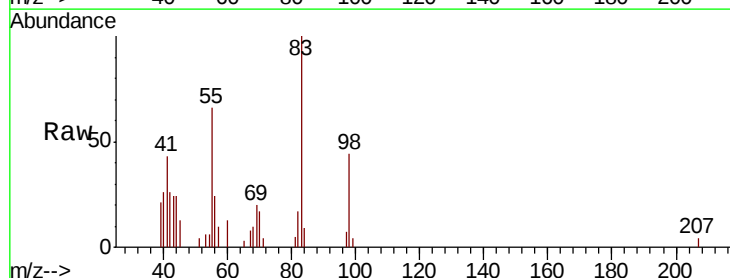
Tgt Ion: 83 Resp: 10216

Ion Ratio Lower Upper

83 100

55 66.1 61.3 91.9

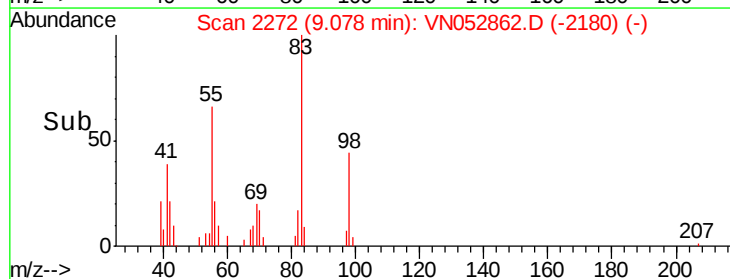
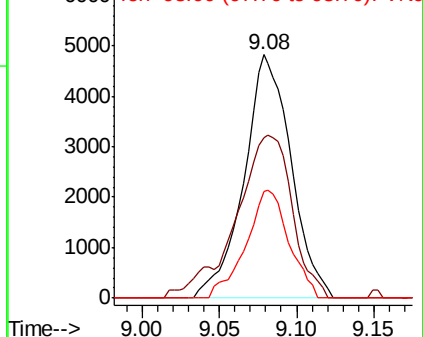
98 43.7 37.0 55.4

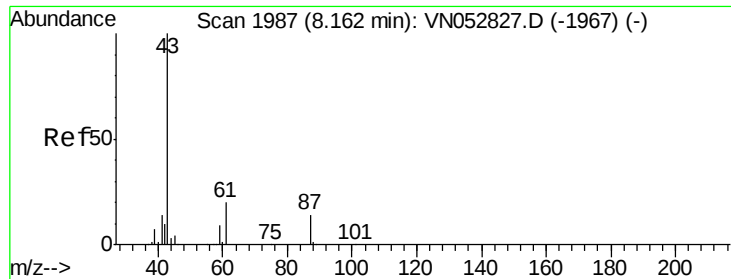


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#43

Isopropyl Acetate

Concen: 0.502 ug/l

RT: 8.19 min Scan# 1997

Delta R.T. 0.03 min

Lab File: VN052862.D

Acq: 13 Dec 2018 14:14

Instrument :

MSVOA_N

ClientSampleID :

OILY-WATERDL

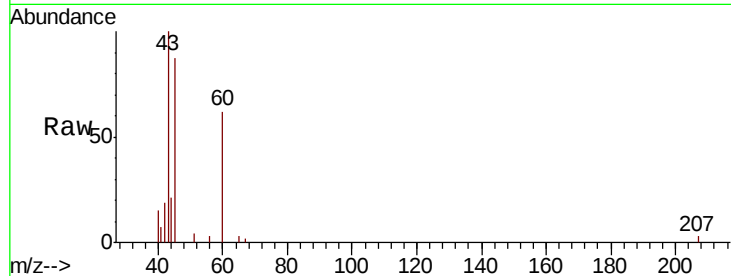
Tot Ion: 43 Resp: 10811

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

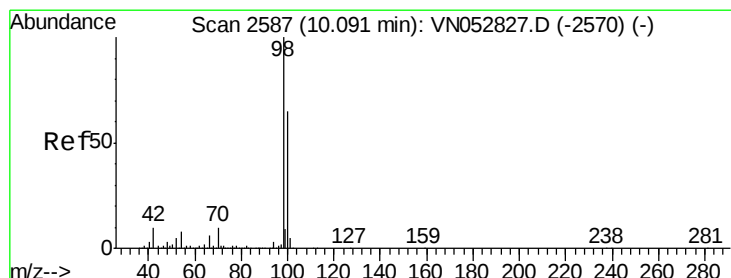
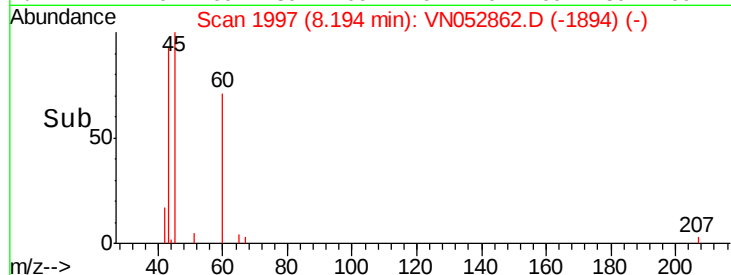
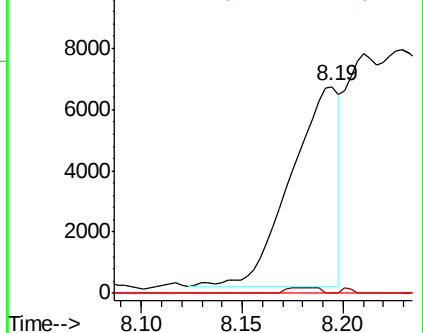
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052862.D

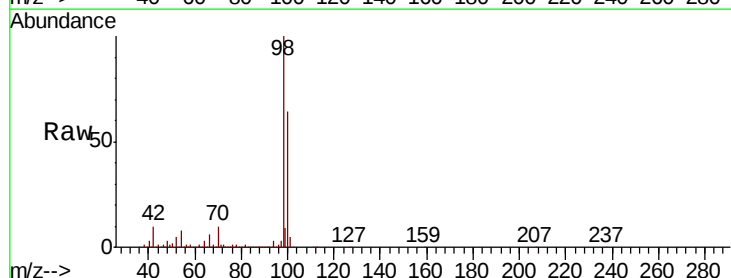
Acq: 13 Dec 2018 14:14

Tgt Ion: 98 Resp: 2304634

Ion Ratio Lower Upper

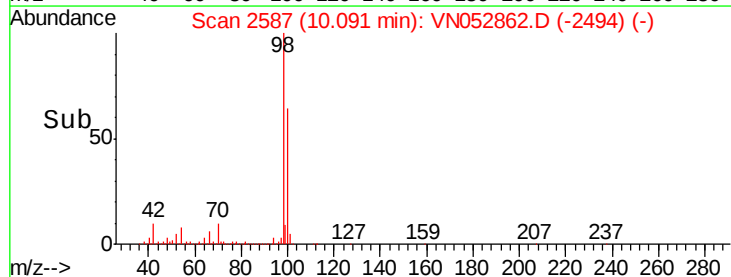
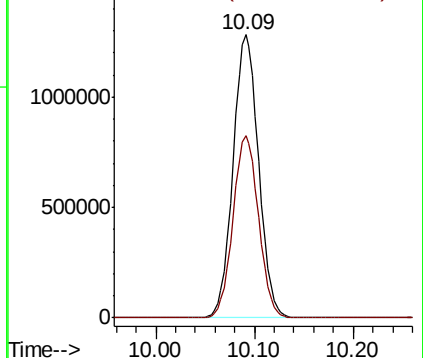
98 100

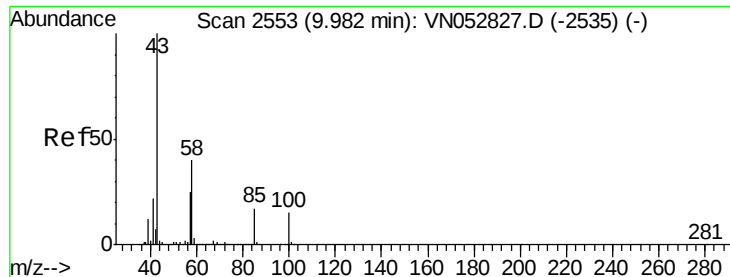
100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

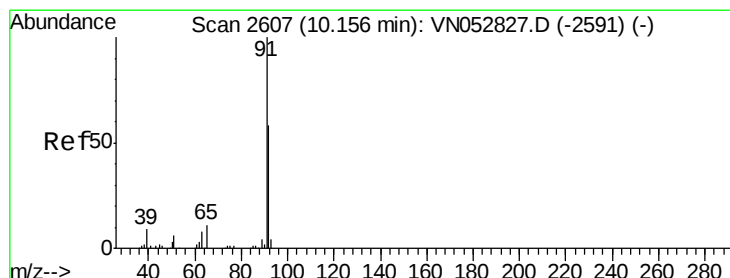
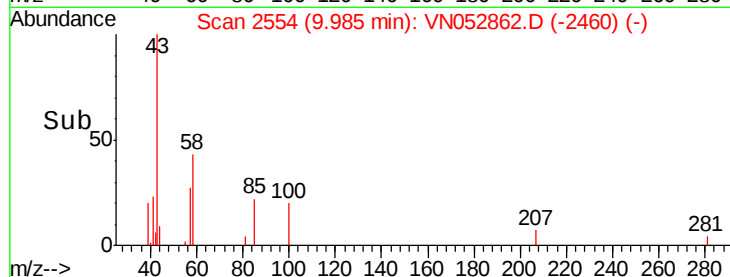
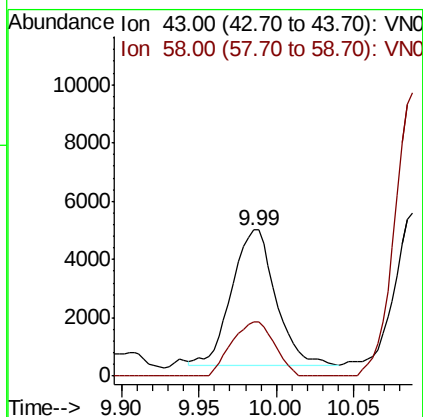
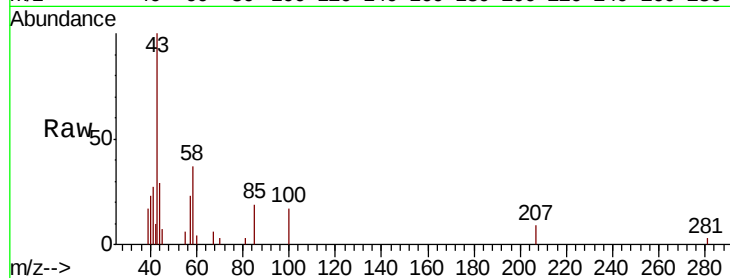




#51
4-Methyl-2-Pentanone
Concen: 0.931 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052862.D
Acq: 13 Dec 2018 14:14

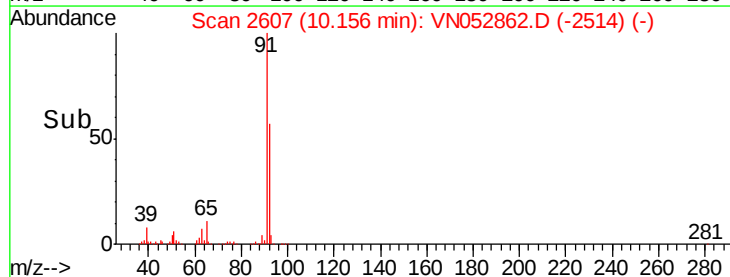
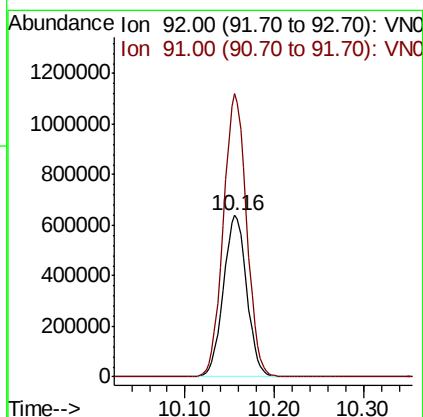
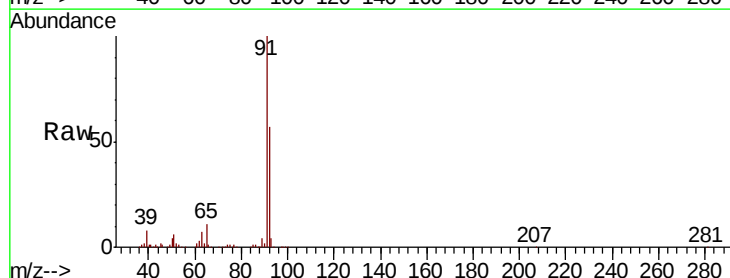
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

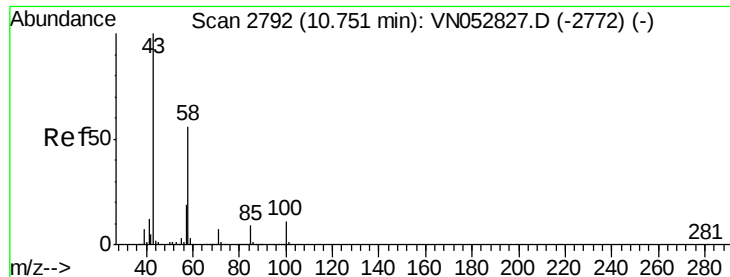
Tot Ion: 43 Resp: 9198
Ion Ratio Lower Upper
43 100
58 39.2 32.2 48.4



#52
Toluene
Concen: 36.283 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052862.D
Acq: 13 Dec 2018 14:14

Tgt Ion: 92 Resp: 1154022
Ion Ratio Lower Upper
92 100
91 174.9 139.8 209.6

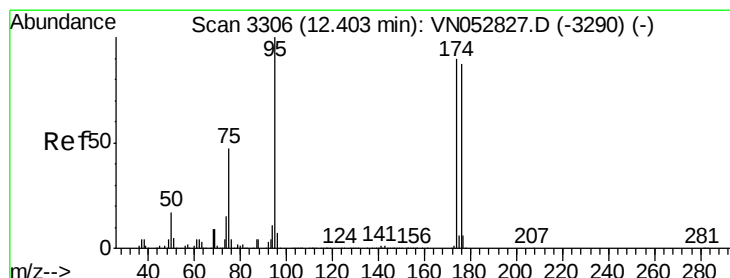
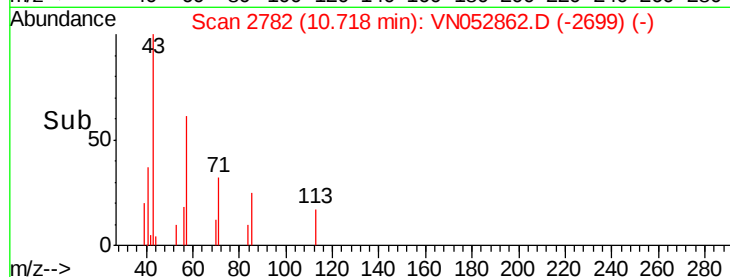
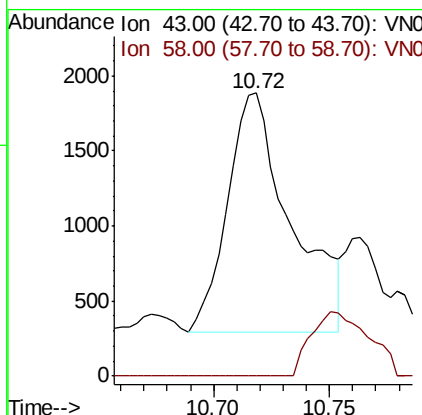
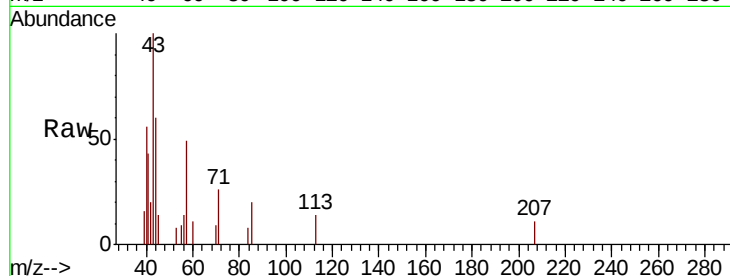




#59
2-Hexanone
Concen: 0.444 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN052862.D
Acq: 13 Dec 2018 14:14

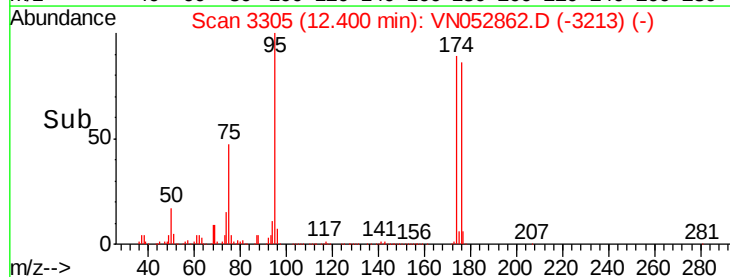
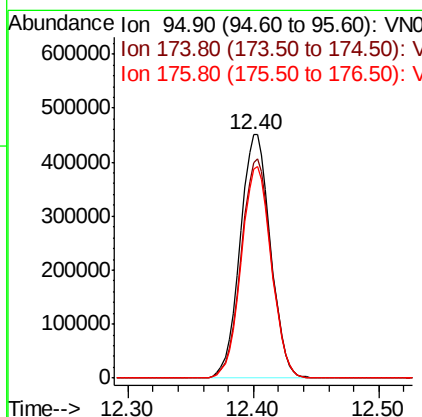
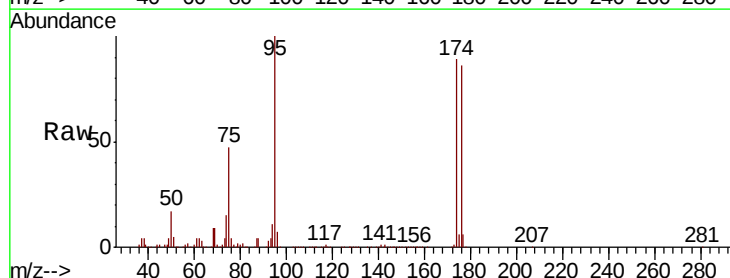
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

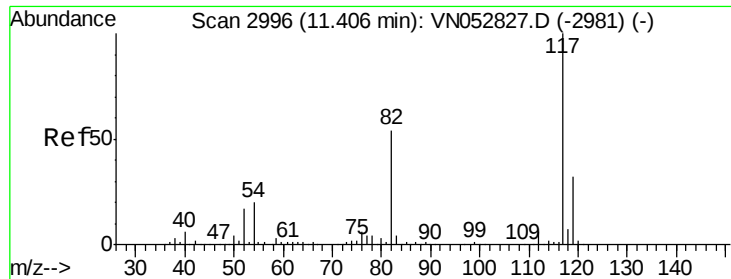
Tot Ion: 43 Resp: 3005
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052862.D
Acq: 13 Dec 2018 14:14

Tgt Ion: 95 Resp: 757454
Ion Ratio Lower Upper
95 100
174 89.6 0.0 178.8
176 86.3 0.0 173.8

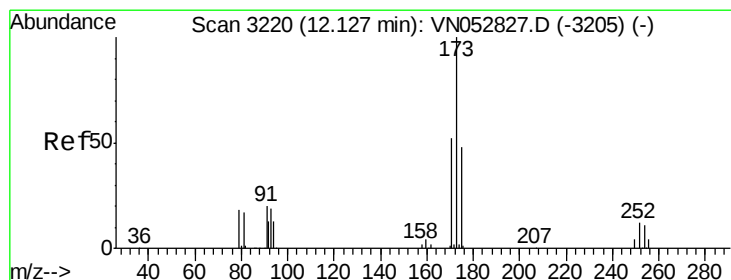
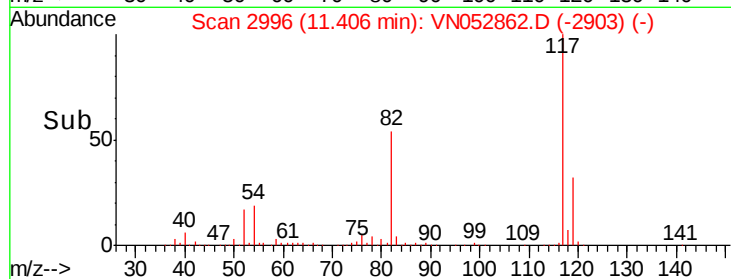
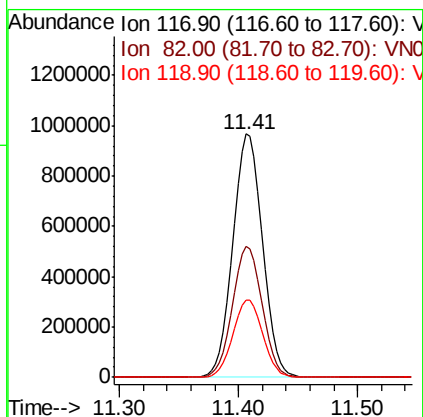
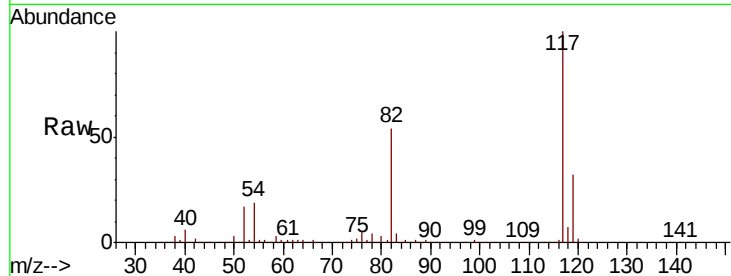




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052862.D
Acq: 13 Dec 2018 14:14

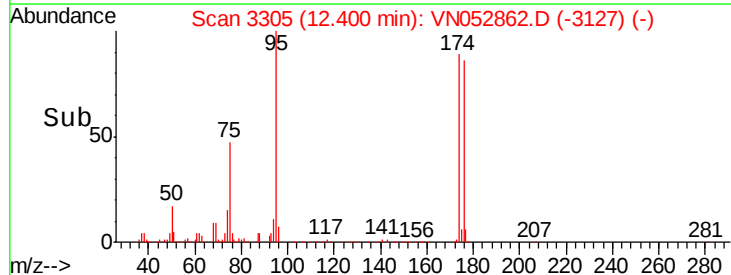
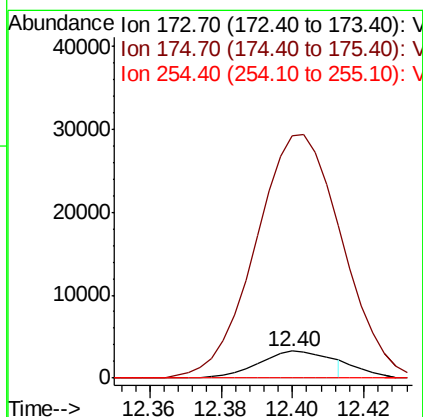
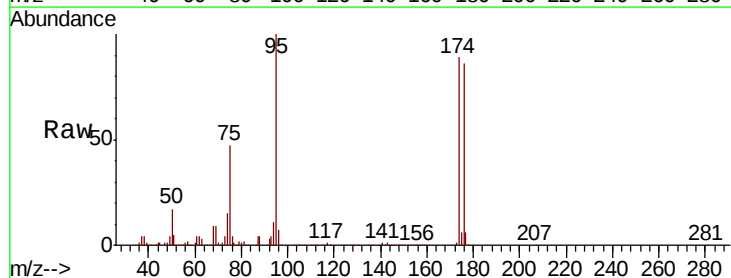
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

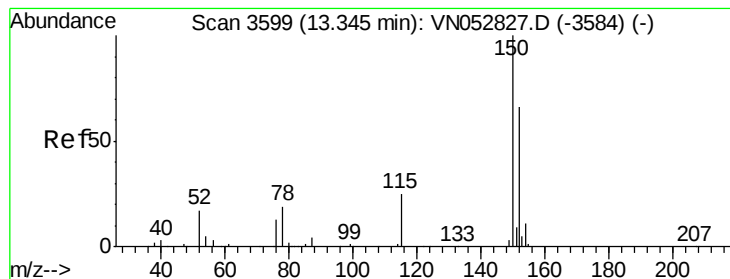
Tot Ion:117 Resp: 1672126
Ion Ratio Lower Upper
117 100
82 53.8 42.8 64.2
119 31.8 25.5 38.3



#71
Bromoform
Concen: 0.551 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052862.D
Acq: 13 Dec 2018 14:14

Tgt Ion:173 Resp: 4517
Ion Ratio Lower Upper
173 100
175 948.6 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052862.D

Acq: 13 Dec 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATERDL

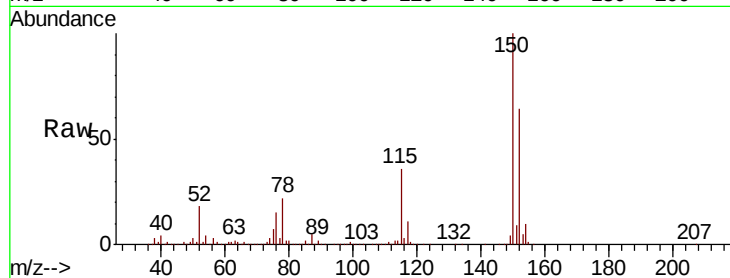
Tot Ion:152 Resp: 705228

Ion Ratio Lower Upper

152 100

115 56.1 28.3 85.0

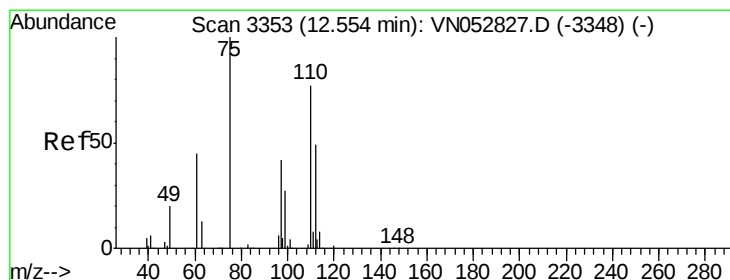
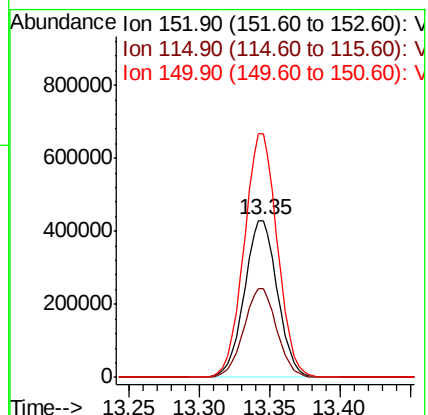
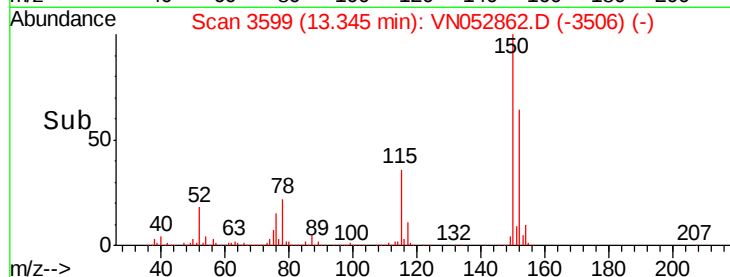
150 156.3 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 34.120 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052862.D

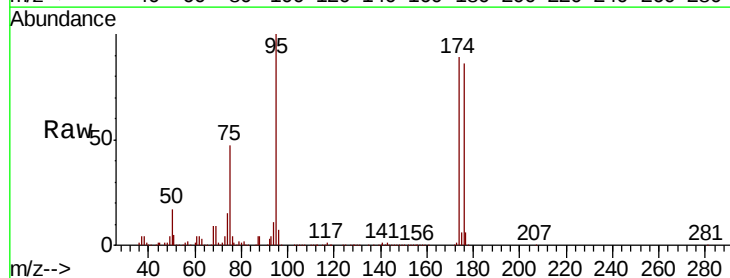
Acq: 13 Dec 2018 14:14

Tgt Ion: 75 Resp: 355011

Ion Ratio Lower Upper

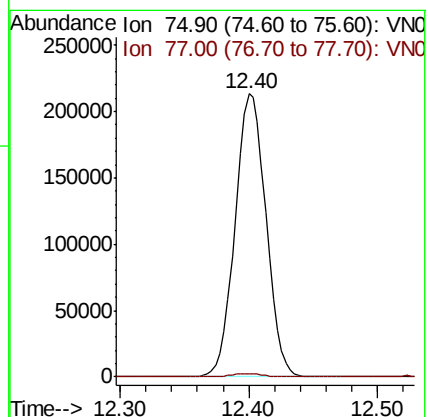
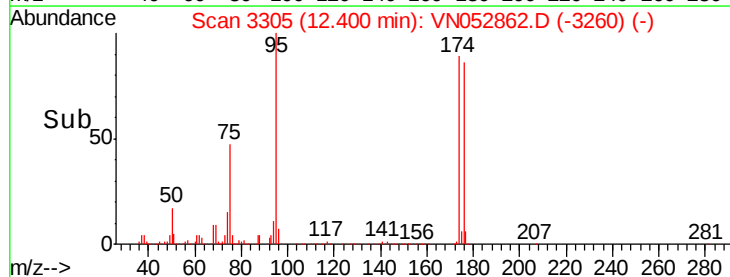
75 100

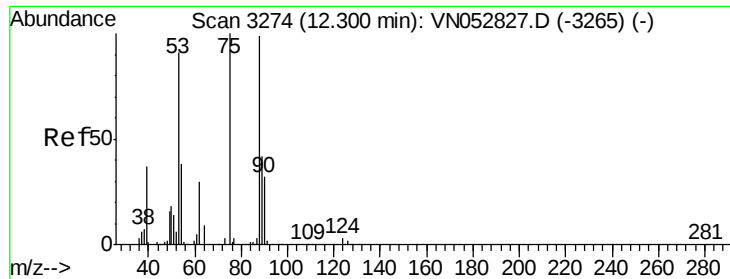
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 109.609 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052862.D

Acq: 13 Dec 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATERDL

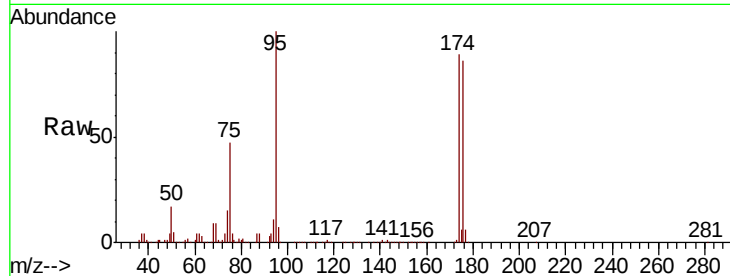
Tot Ion: 75 Resp: 355011

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#

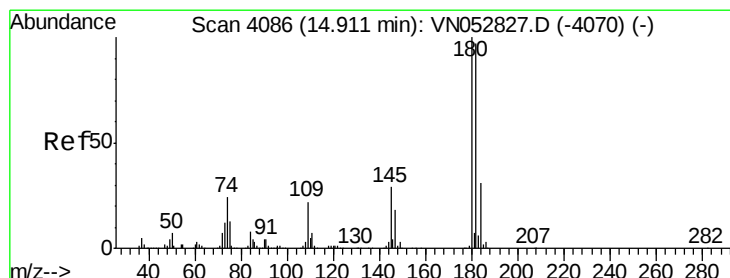
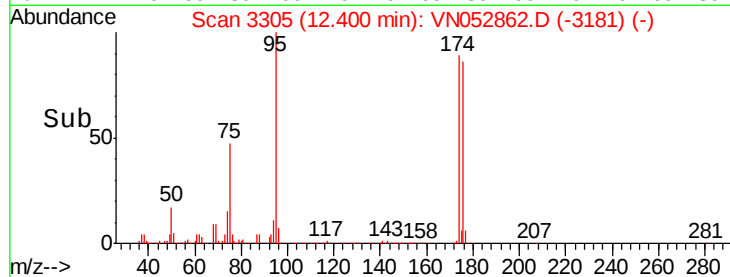
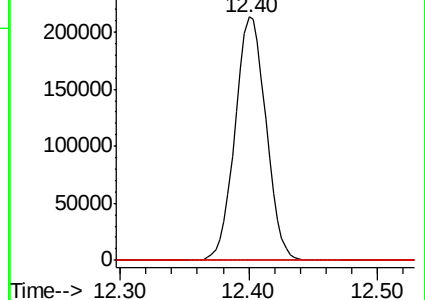


Abundance Ion 74.90 (74.60 to 75.60): VN052827.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052827.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN052827.D (-3265) (-)

12.40



#93

1,2,4-Trichlorobenzene

Concen: 0.457 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN052862.D

Acq: 13 Dec 2018 14:14

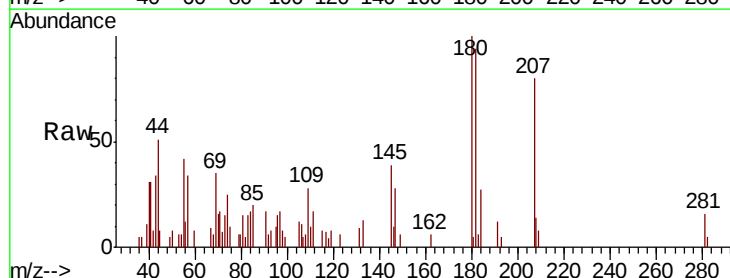
Tgt Ion: 180 Resp: 5681

Ion Ratio Lower Upper

180 100

182 97.1 47.8 143.3

145 43.5 14.2 42.6#

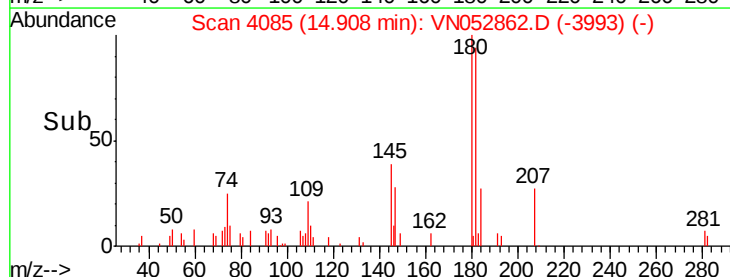
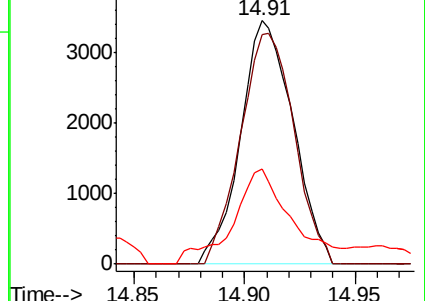


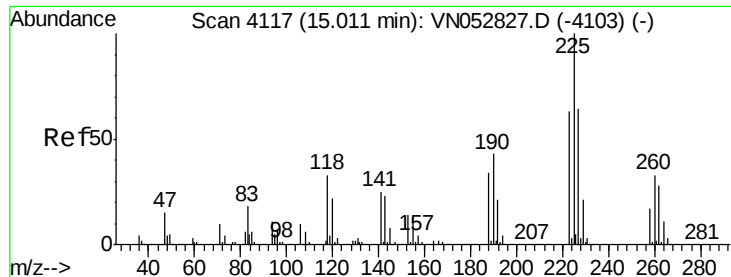
Abundance Ion 179.80 (179.50 to 180.50): VN052827.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN052827.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN052827.D (-4070) (-)

14.91





#94

Hexachlorobutadiene

Concen: 0.210 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN052862.D

Acq: 13 Dec 2018 14:14

Instrument :

MSVOA_N

ClientSampled :

OILY-WATERDL

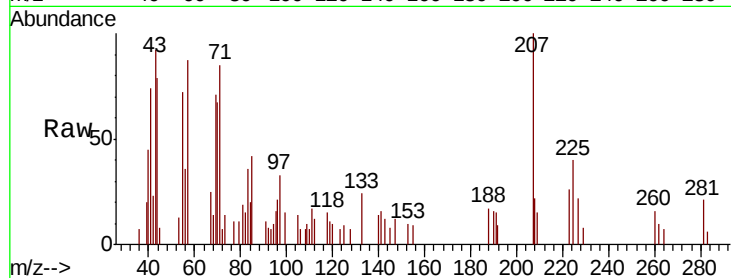
Tot Ion:225 Resp: 1512

Ion Ratio Lower Upper

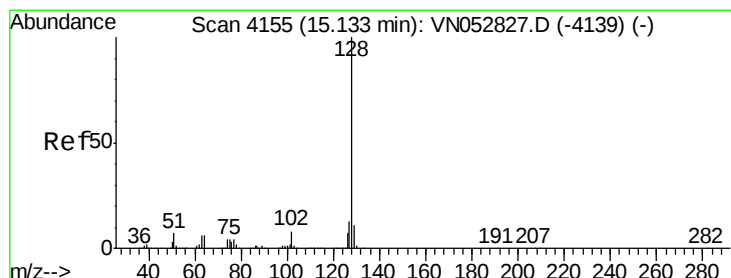
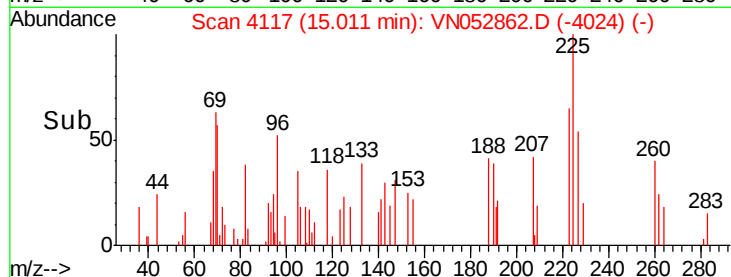
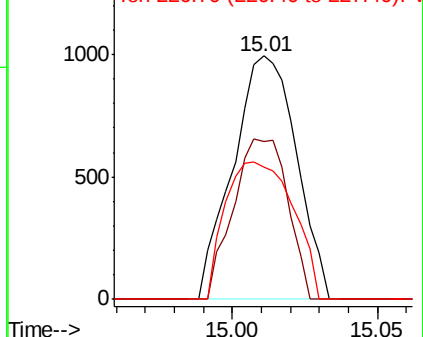
225 100

223 56.6 31.5 94.5

227 60.4 31.9 95.7



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: 0.794 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052862.D

Acq: 13 Dec 2018 14:14

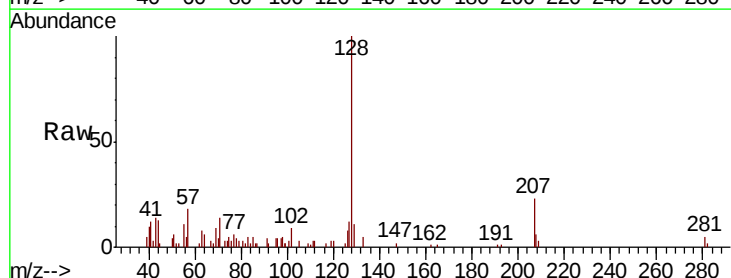
Tgt Ion:128 Resp: 20474

Ion Ratio Lower Upper

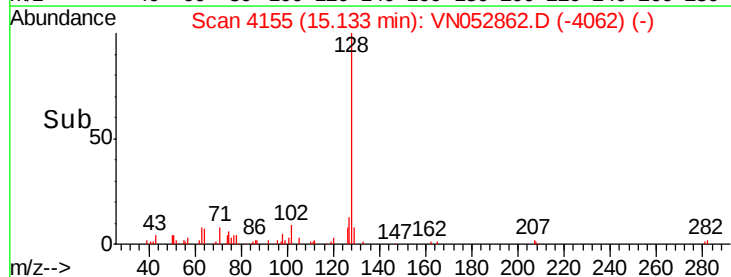
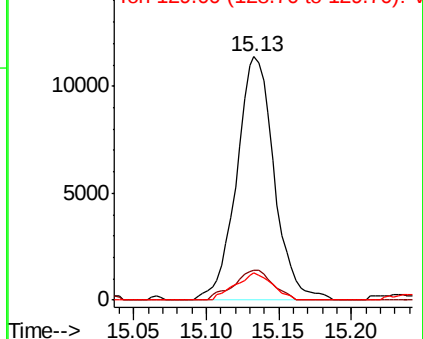
128 100

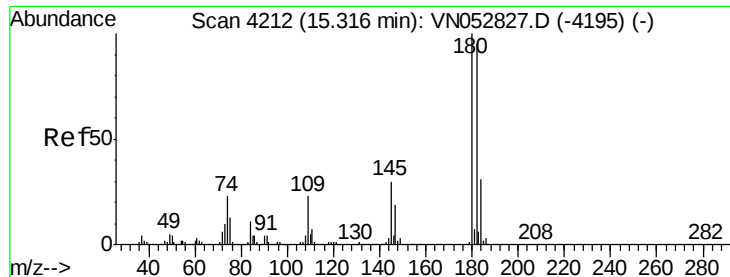
127 12.8 10.2 15.4

129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

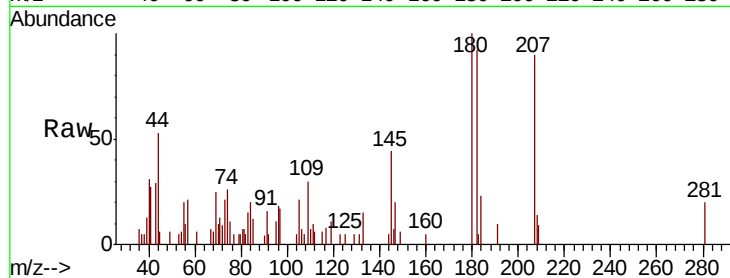




#96
 1,2,3-Trichlorobenzene
 Concen: 0.511 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN052862.D
 Acq: 13 Dec 2018 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATERDL

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	42.7	15.0	45.0



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

