

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052856.D
 Acq On : 13 Dec 2018 11:34
 Operator : MD\SY
 Sample : J6373-10DL 40X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATERDL

Quant Time: Dec 14 01:36:21 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	1139559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1757039	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1515428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	583684	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	585051	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
35) Dibromofluoromethane	7.59	113	510164	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
50) Toluene-d8	10.09	98	2132679	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.40	95	657132	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	

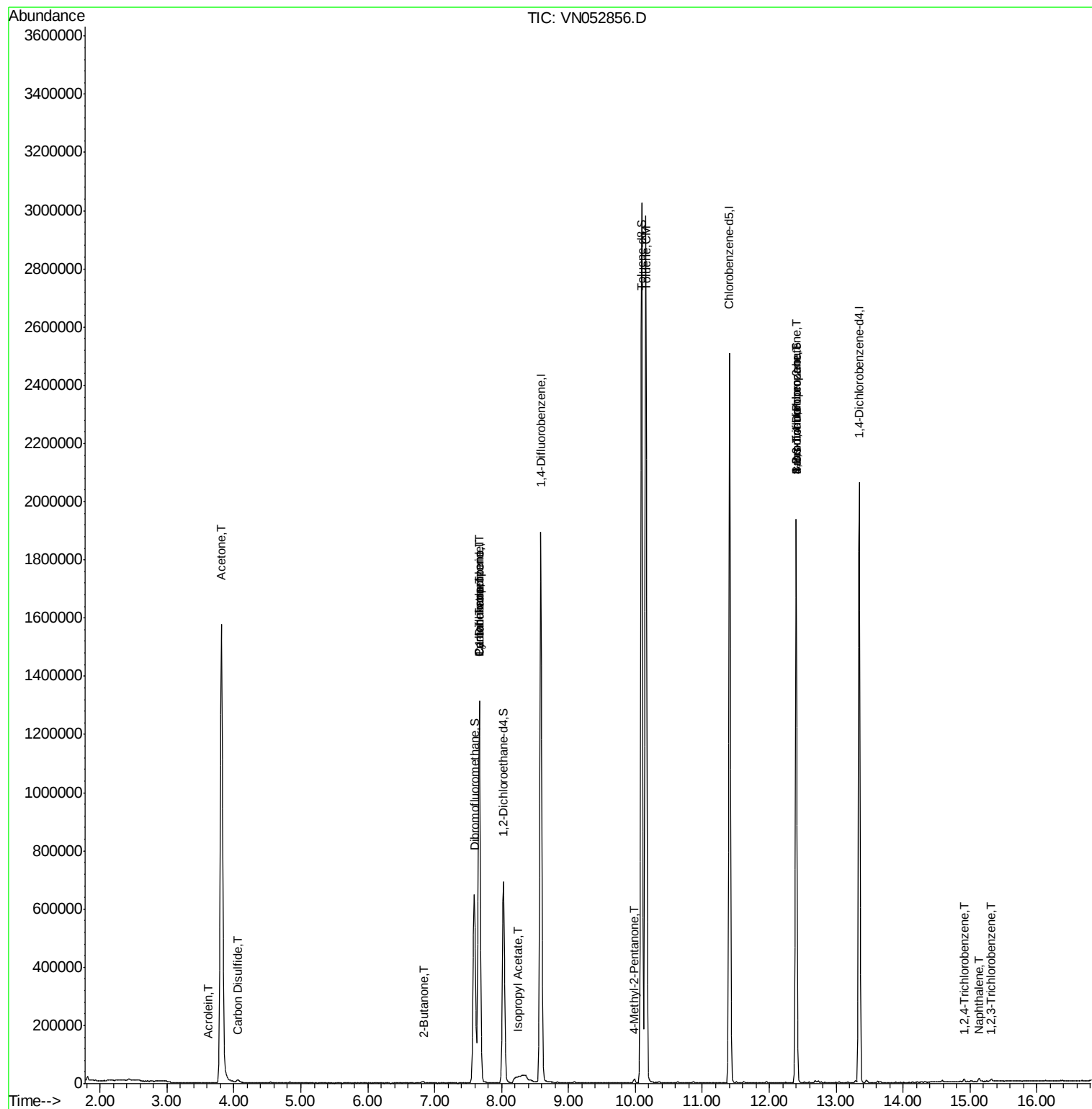
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	425	0.667	ug/l #	14
16) Acetone	3.81	43	2668693	980.654	ug/l	97
17) Carbon Disulfide	4.06	76	6693	0.208	ug/l #	91
25) 2-Butanone	6.84	43	1059	0.251	ug/l #	49
31) Cyclohexane	7.67	56	21166	0.456	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	76677	4.739	ug/l #	48
38) Carbon Tetrachloride	7.67	117	100234	6.730	ug/l #	15
43) Isopropyl Acetate	8.23	43	26422	1.326	ug/l #	53
51) 4-Methyl-2-Pentanone	9.99	43	10803	1.182	ug/l	98
52) Toluene	10.16	92	1320535	44.898	ug/l	99
71) Bromoform	12.40	173	4454	0.600	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	312934	36.339	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	312934	116.737	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	3171	0.308	ug/l	97
95) Naphthalene	15.14	128	9712	0.455	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	3486	0.369	ug/l	95

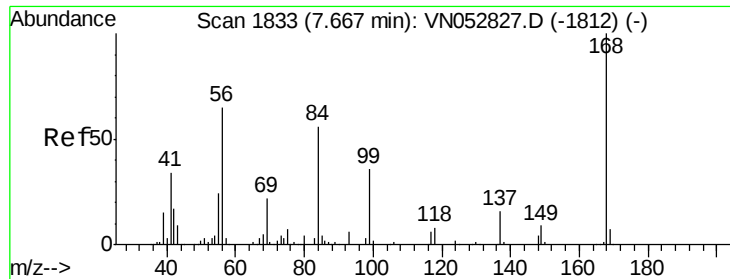
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
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: VN052856.D

Acq: 13 Dec 2018 11:34

Instrument :

MSVOA_N

ClientSampleId :

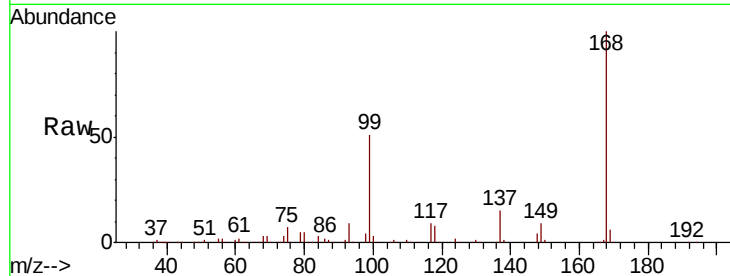
OILY-WATERDL

Tot Ion:168 Resp: 1139559

Ion Ratio Lower Upper

168 100

99 50.7 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

500000

400000

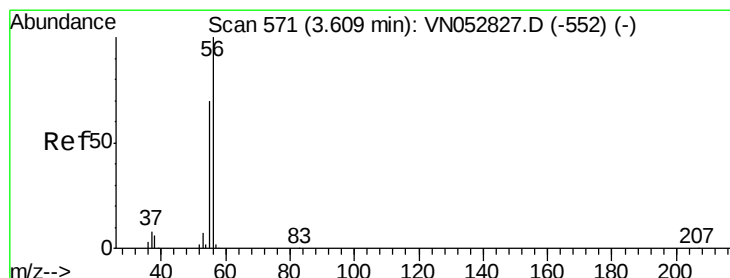
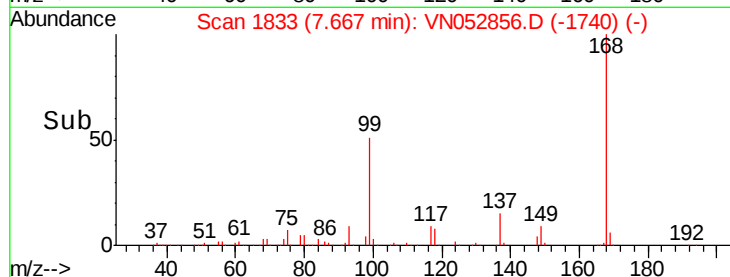
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.667 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN052856.D

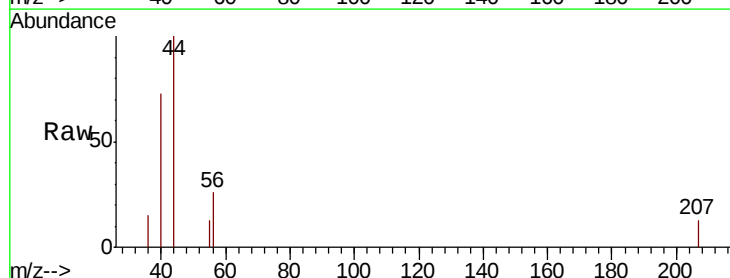
Acq: 13 Dec 2018 11:34

Tgt Ion: 56 Resp: 425

Ion Ratio Lower Upper

56 100

55 0.0 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

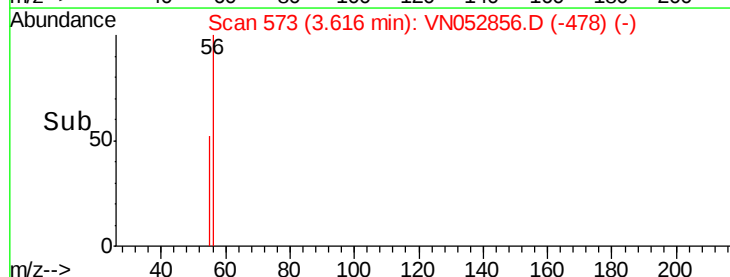
300

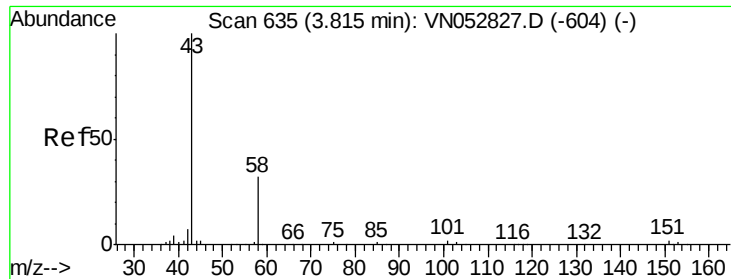
200

100

0

Time-->





#16

Acetone

Concen: 980.654 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052856.D

Acq: 13 Dec 2018 11:34

Instrument :

MSVOA_N

ClientSampleId :

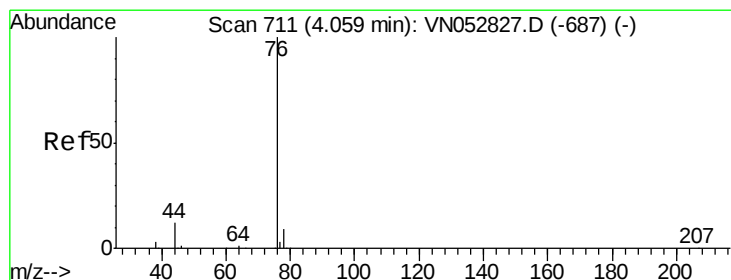
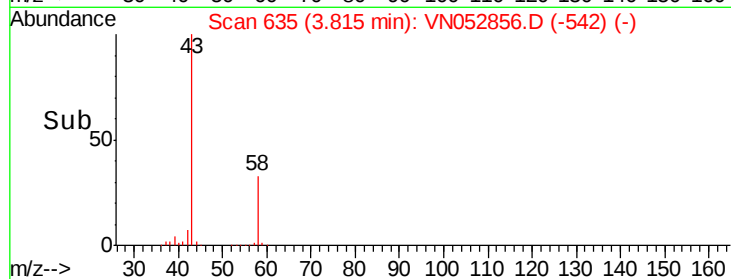
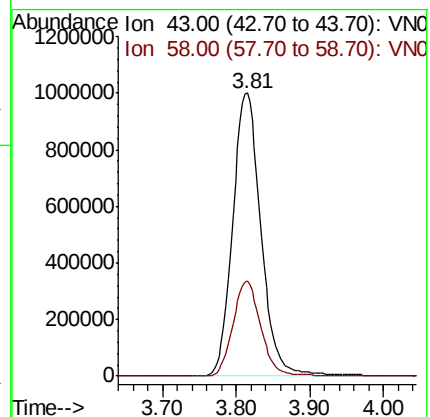
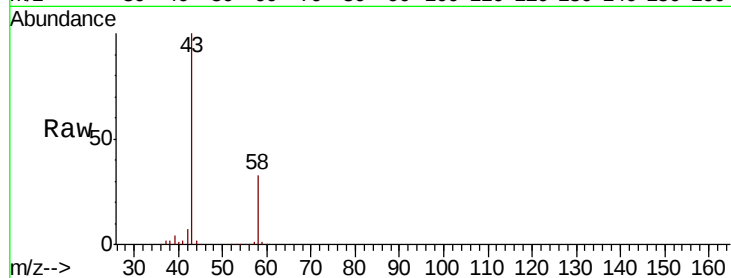
OILY-WATERDL

Tot Ion: 43 Resp: 2668693

Ion Ratio Lower Upper

43 100

58 33.4 25.4 38.0



#17

Carbon Disulfide

Concen: 0.208 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052856.D

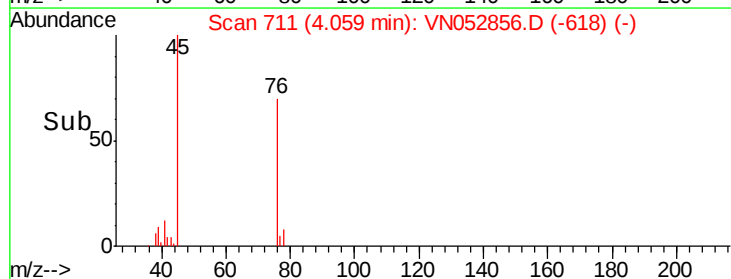
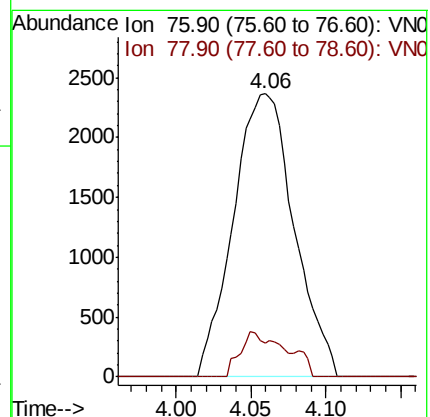
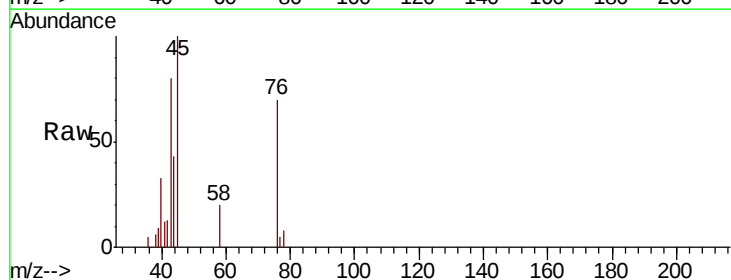
Acq: 13 Dec 2018 11:34

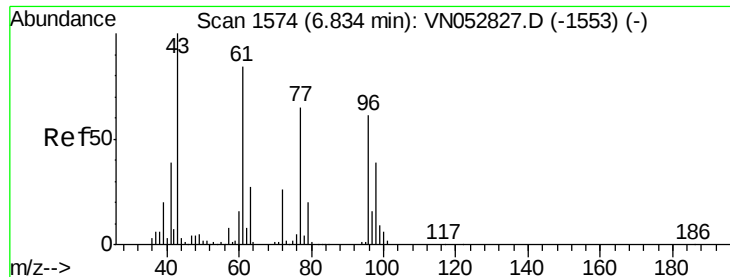
Tgt Ion: 76 Resp: 6693

Ion Ratio Lower Upper

76 100

78 12.1 7.1 10.7#





#25

2-Butanone

Concen: 0.251 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052856.D

Acq: 13 Dec 2018 11:34

Instrument :

MSVOA_N

ClientSampleId :

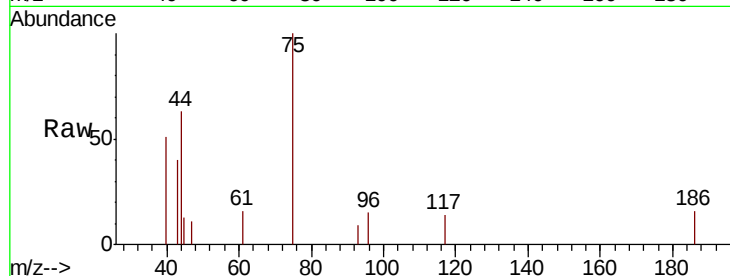
OILY-WATERDL

Tot Ion: 43 Resp: 1059

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

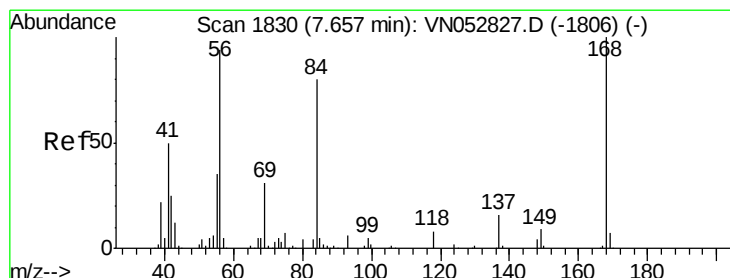
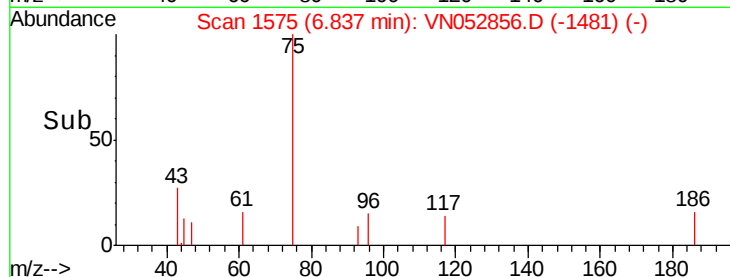
600

400

200

0

Time--> 6.78 6.80 6.82 6.84 6.86



#31

Cyclohexane

Concen: 0.456 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052856.D

Acq: 13 Dec 2018 11:34

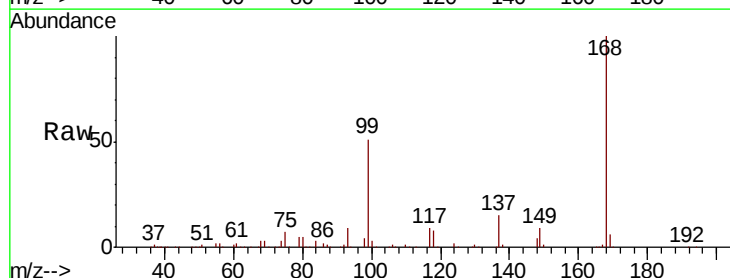
Tgt Ion: 56 Resp: 21166

Ion Ratio Lower Upper

56 100

69 191.6 26.6 39.8#

84 159.1 68.4 102.6#



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

20000

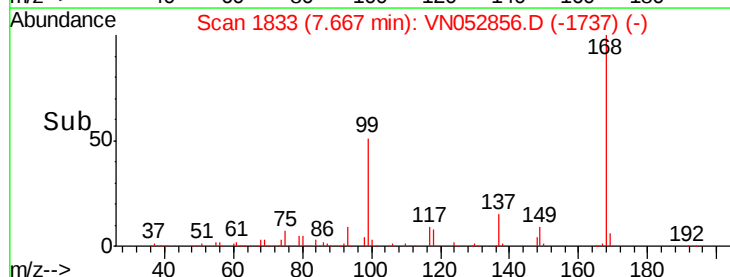
15000

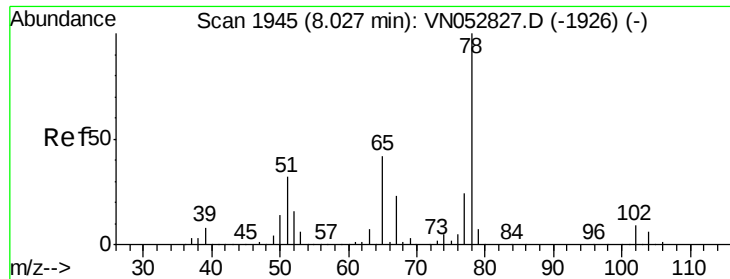
10000

5000

0

Time--> 7.55 7.60 7.65 7.70 7.75

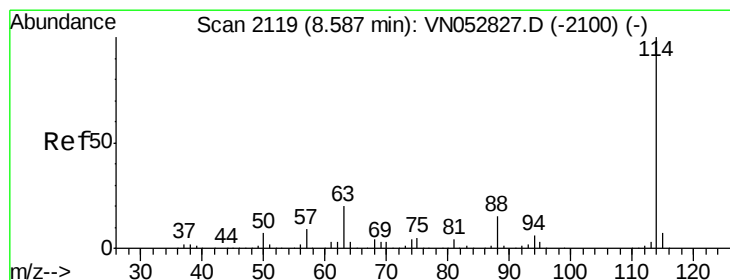
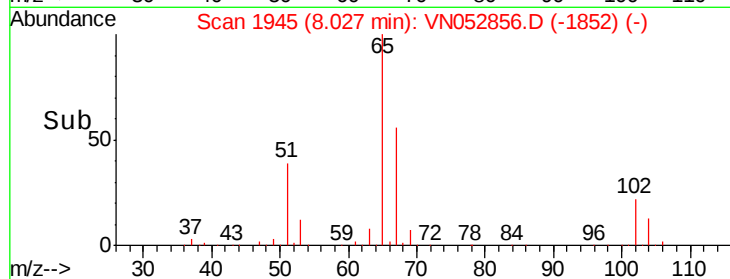
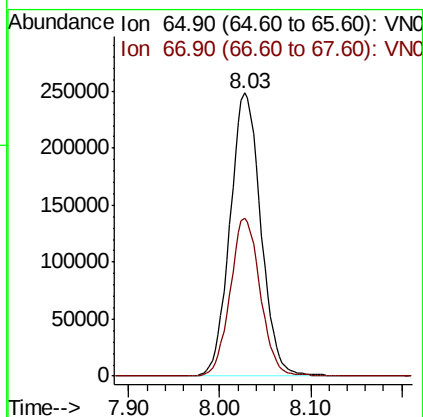
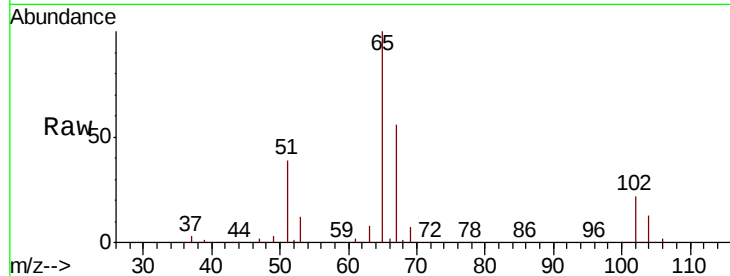




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052856.D
 Acq: 13 Dec 2018 11:34

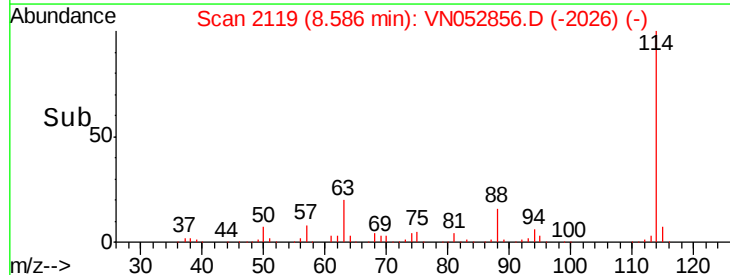
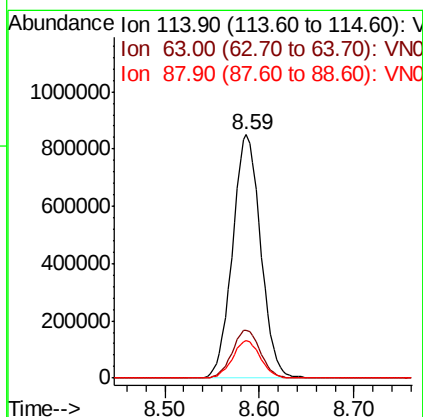
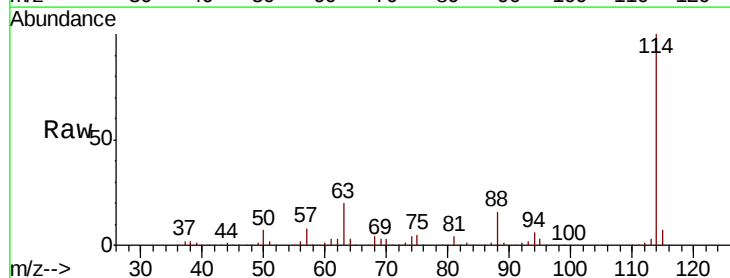
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATERDL

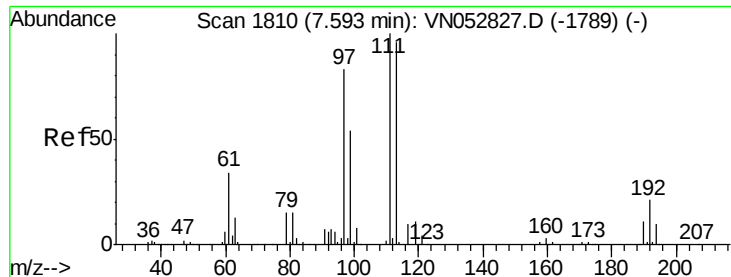
Tot Ion: 65 Resp: 585051
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052856.D
 Acq: 13 Dec 2018 11:34

Tgt Ion: 114 Resp: 1757039
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.5 0.0 31.0

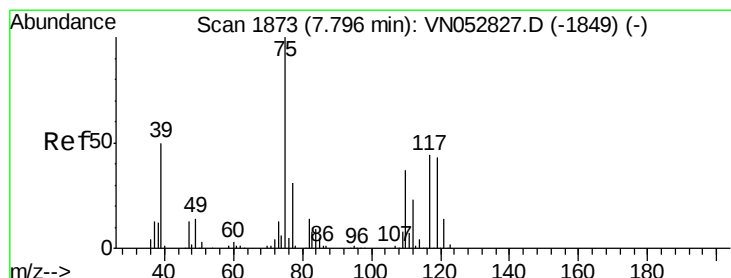
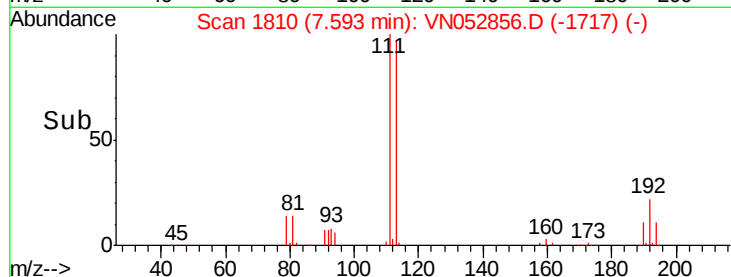
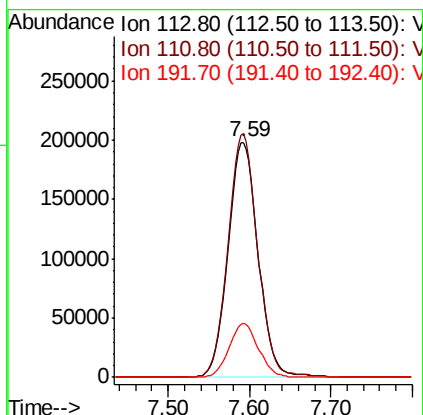
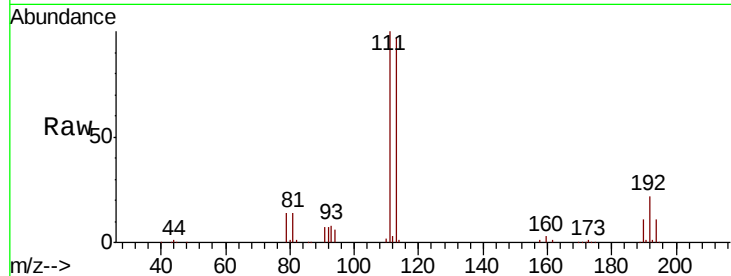




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052856.D
 Acq: 13 Dec 2018 11:34

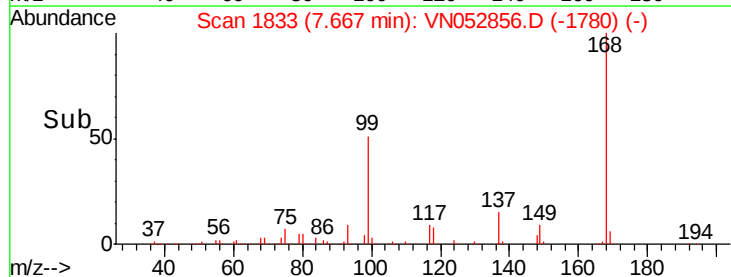
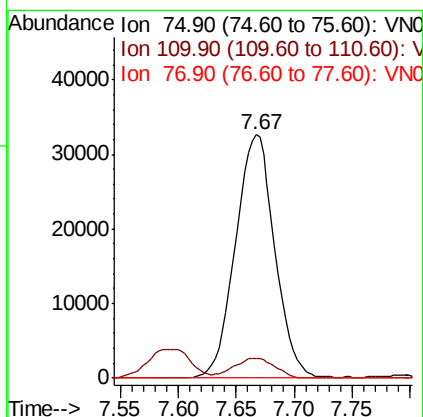
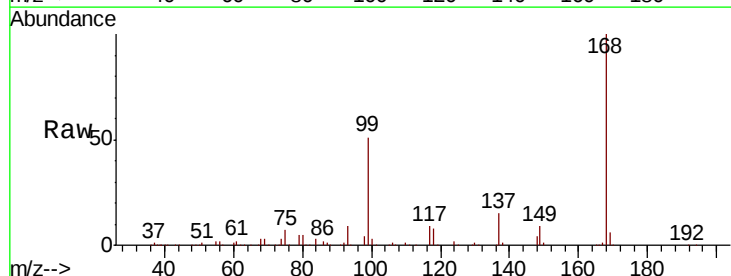
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATERDL

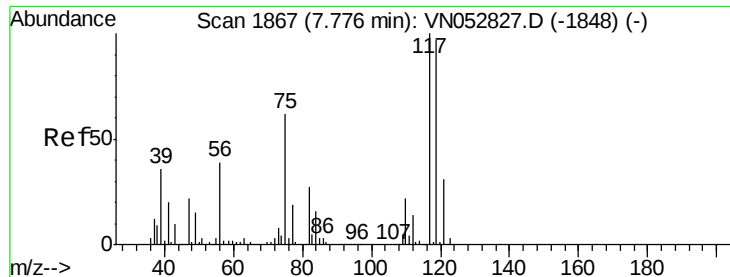
Tot Ion:113 Resp: 510164
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.0 124.4
 192 22.5 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 4.739 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052856.D
 Acq: 13 Dec 2018 11:34

Tgt Ion: 75 Resp: 76677
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.2 54.6#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.730 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052856.D

Acq: 13 Dec 2018 11:34

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATERDL

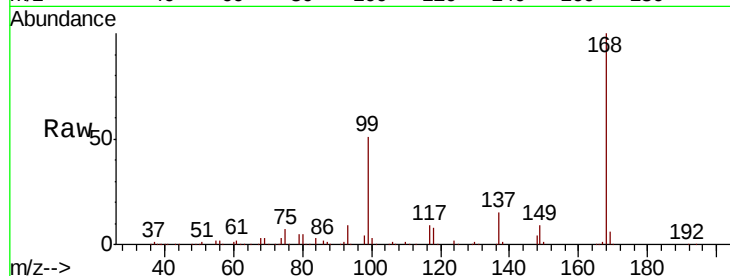
Tot Ion:117 Resp: 100234

Ion Ratio Lower Upper

117 100

119 4.8 77.1 115.7#

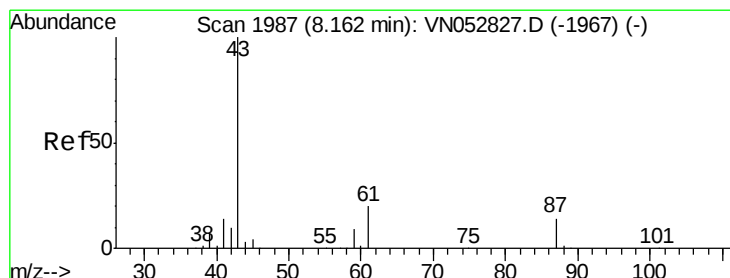
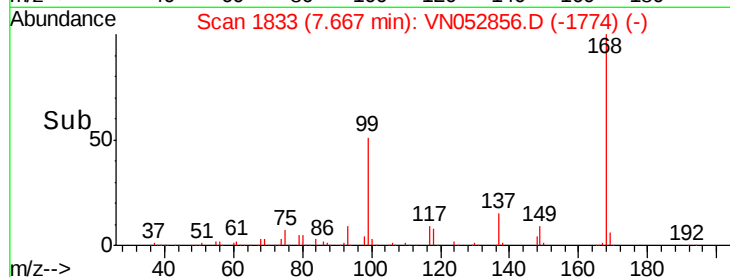
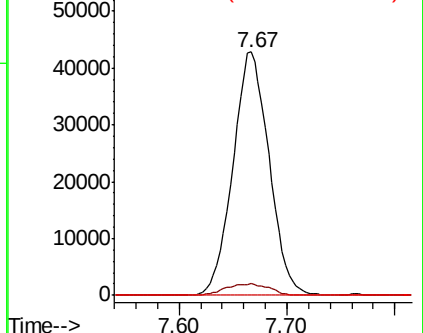
121 0.0 24.9 37.3#



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



#43

Isopropyl Acetate

Concen: 1.326 ug/l

RT: 8.23 min Scan# 2009

Delta R.T. 0.07 min

Lab File: VN052856.D

Acq: 13 Dec 2018 11:34

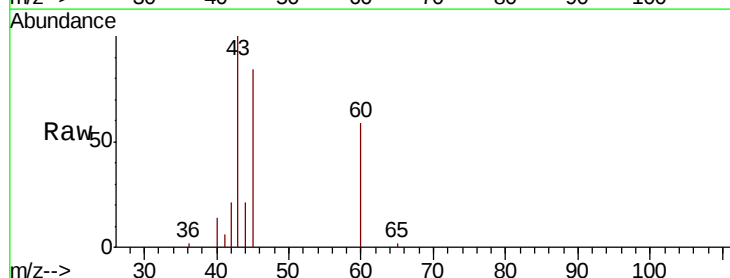
Tgt Ion: 43 Resp: 26422

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

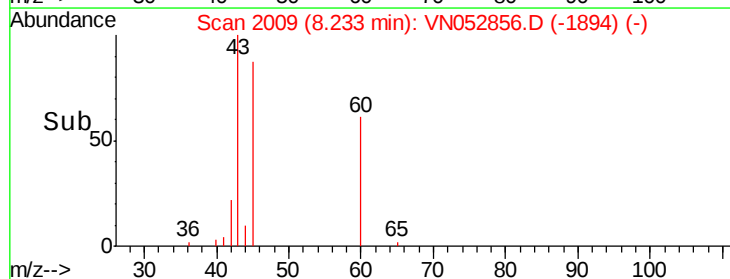
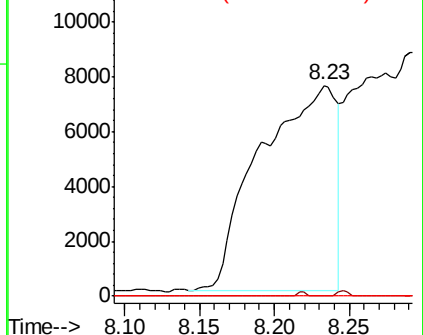
87 0.0 10.6 15.8#

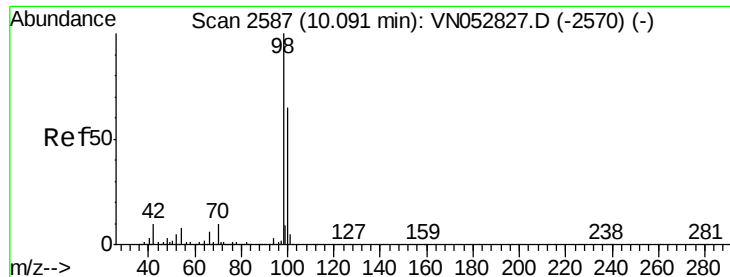


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: VN052856.D

Acq: 13 Dec 2018 11:34

Instrument :

MSVOA_N

ClientSampleId :

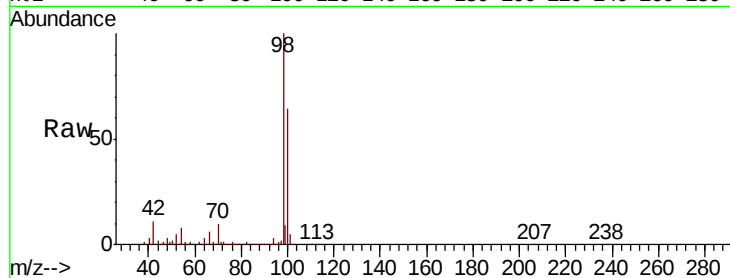
OILY-WATERDL

Tot Ion: 98 Resp: 2132679

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

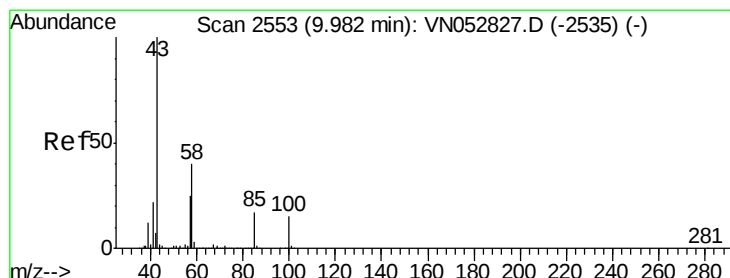
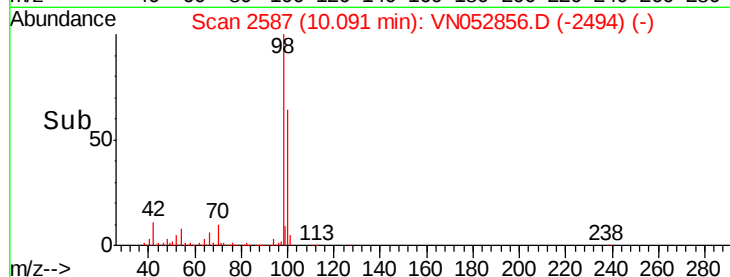
10.09

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.182 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052856.D

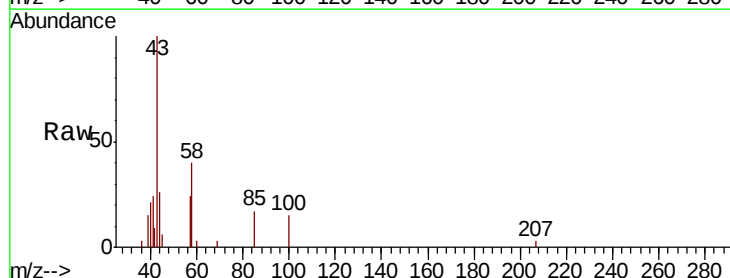
Acq: 13 Dec 2018 11:34

Tgt Ion: 43 Resp: 10803

Ion Ratio Lower Upper

43 100

58 39.2 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

6000

5000

4000

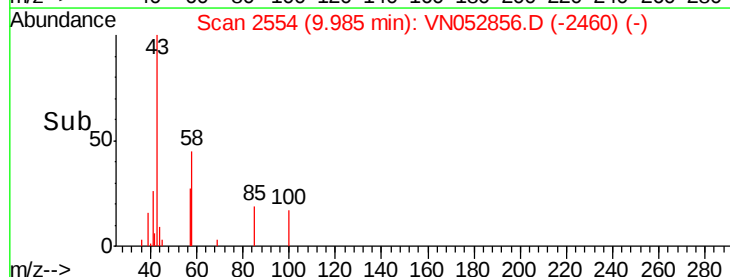
3000

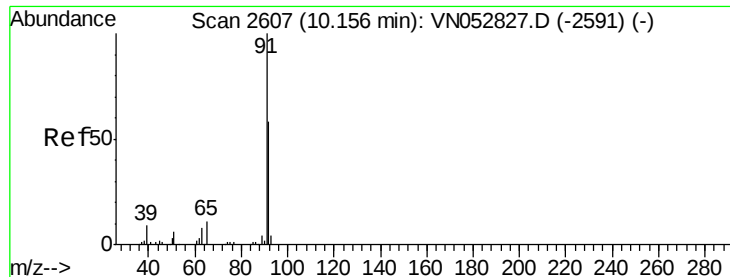
2000

1000

0

Time-->





#52

Toluene

Concen: 44.898 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052856.D

Acq: 13 Dec 2018 11:34

Instrument :

MSVOA_N

ClientSampleId :

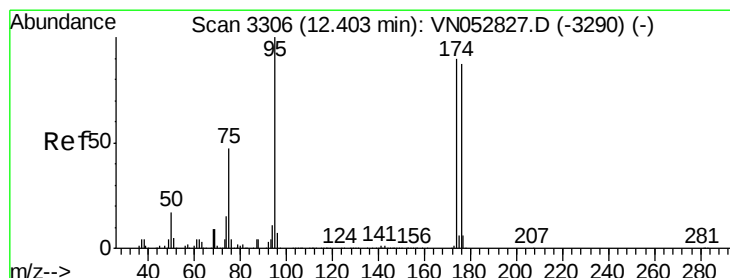
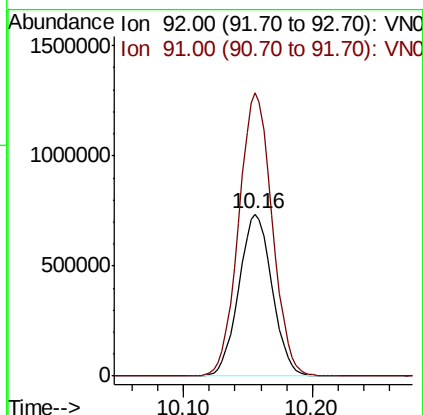
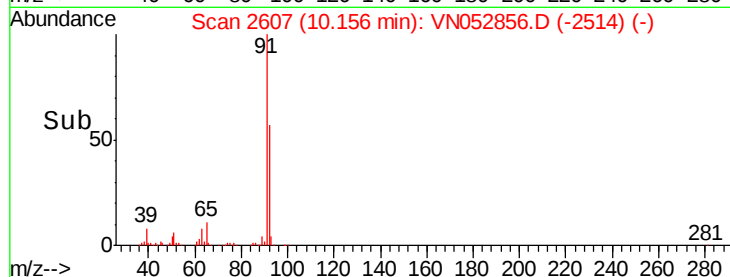
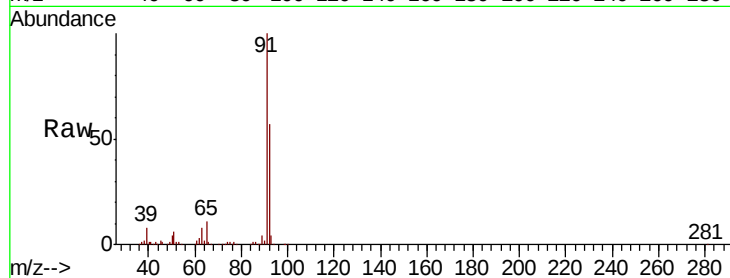
OILY-WATERDL

Tot Ion: 92 Resp: 1320535

Ion Ratio Lower Upper

92 100

91 175.6 139.8 209.6



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN052856.D

Acq: 13 Dec 2018 11:34

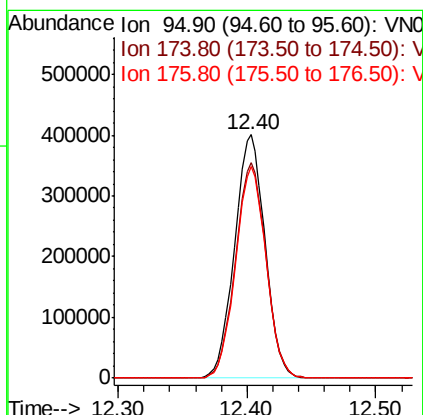
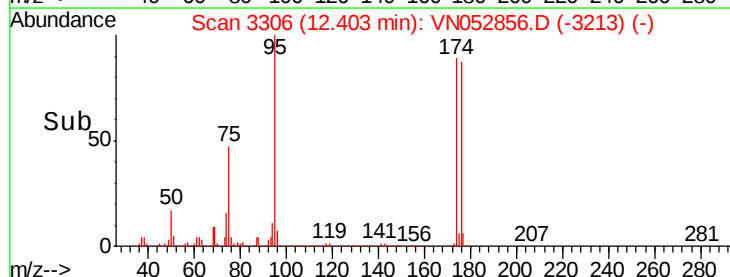
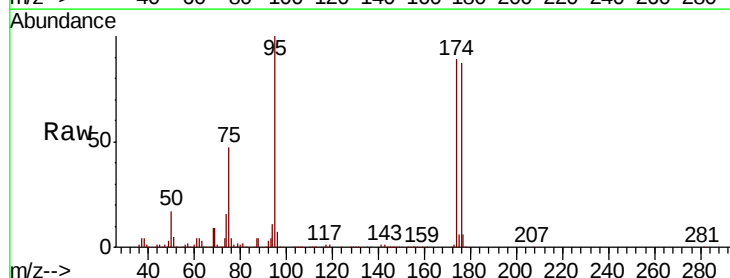
Tgt Ion: 95 Resp: 657132

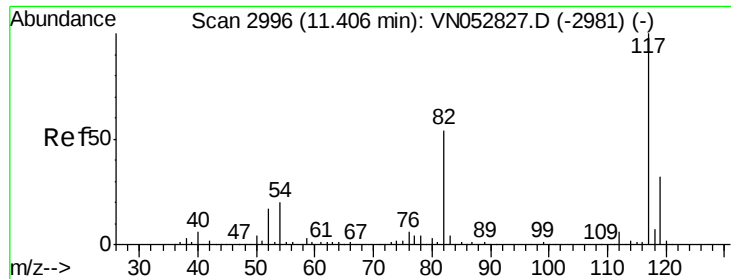
Ion Ratio Lower Upper

95 100

174 88.9 0.0 178.8

176 86.8 0.0 173.8

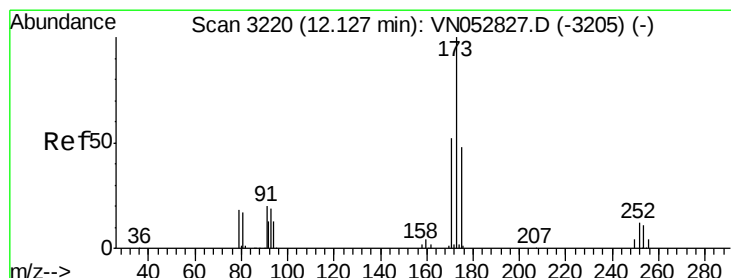
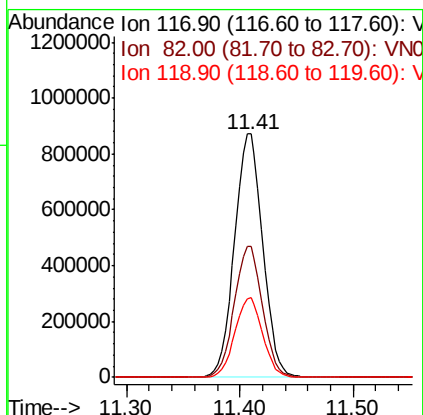
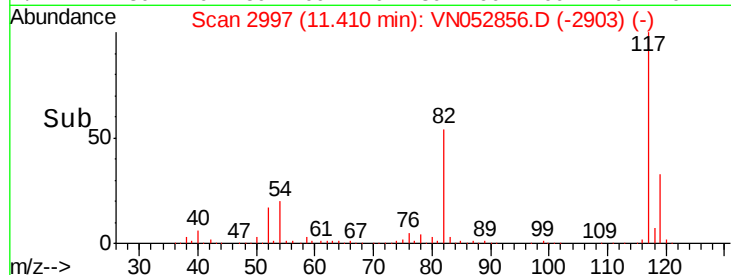
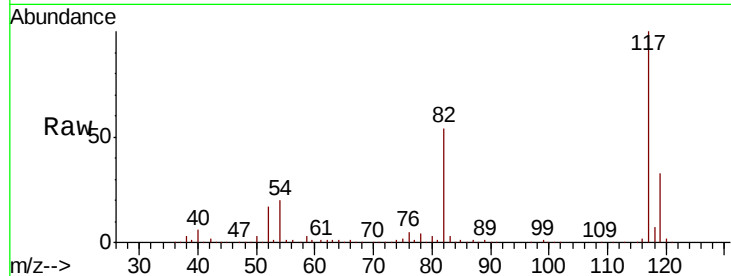




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052856.D
Acq: 13 Dec 2018 11:34

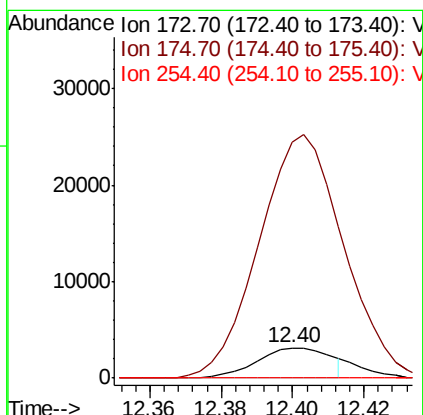
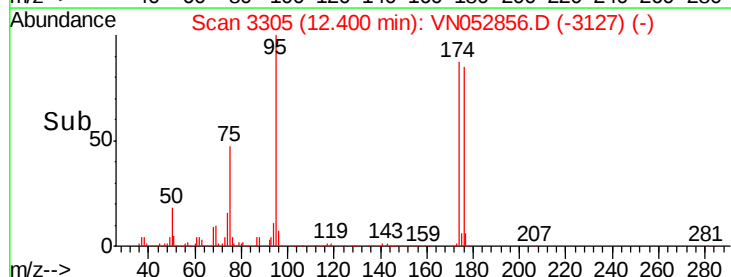
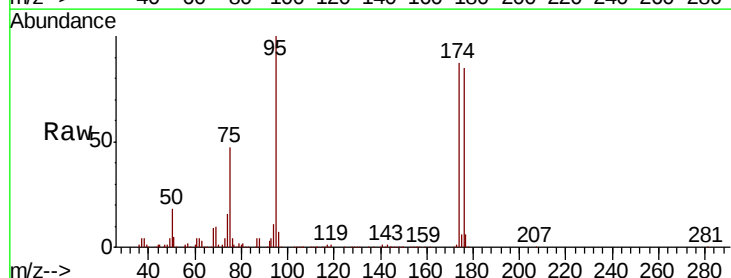
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

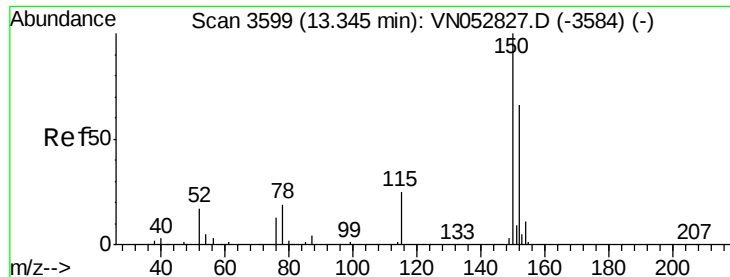
Tot Ion:117 Resp: 1515428
Ion Ratio Lower Upper
117 100
82 53.6 42.8 64.2
119 32.7 25.5 38.3



#71
Bromoform
Concen: 0.600 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052856.D
Acq: 13 Dec 2018 11:34

Tgt Ion:173 Resp: 4454
Ion Ratio Lower Upper
173 100
175 793.5 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: VN052856.D

Acq: 13 Dec 2018 11:34

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATERDL

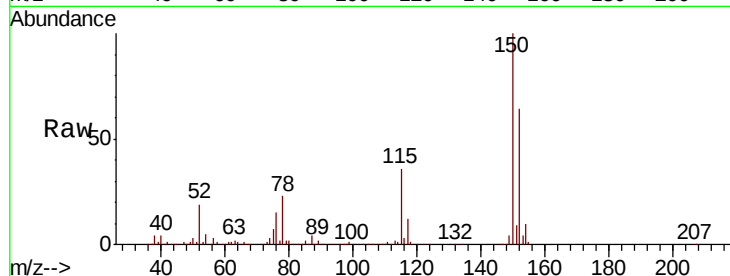
Tot Ion:152 Resp: 583684

Ion Ratio Lower Upper

152 100

115 56.0 28.3 85.0

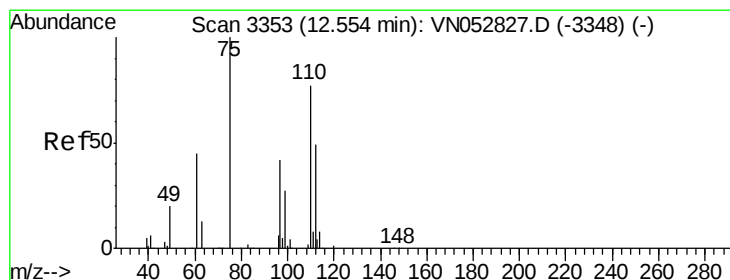
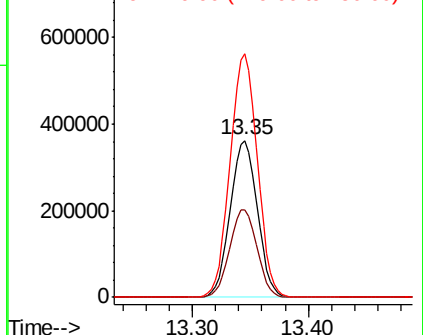
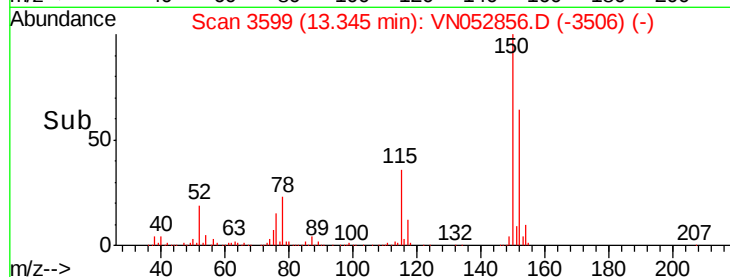
150 155.7 0.0 347.8



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: 36.339 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052856.D

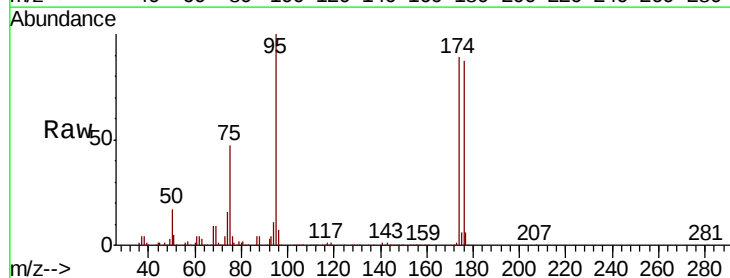
Acq: 13 Dec 2018 11:34

Tgt Ion: 75 Resp: 312934

Ion Ratio Lower Upper

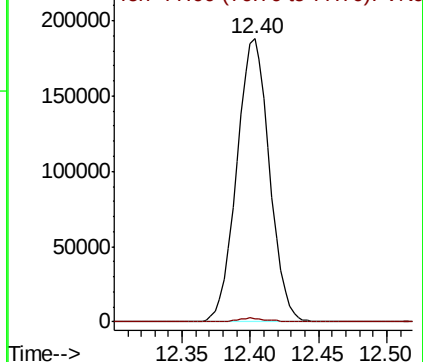
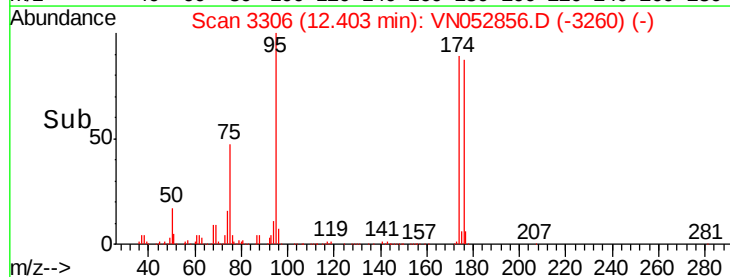
75 100

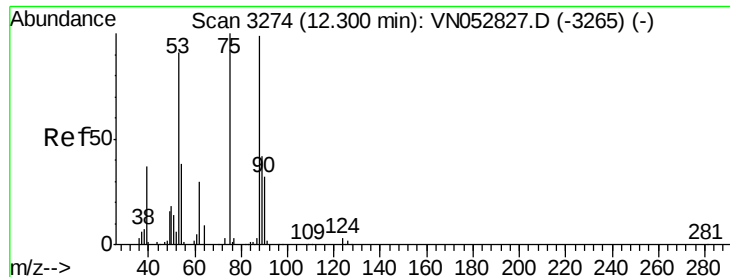
77 1.2 0.0 0.0#



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: 116.737 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052856.D

Acq: 13 Dec 2018 11:34

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATERDL

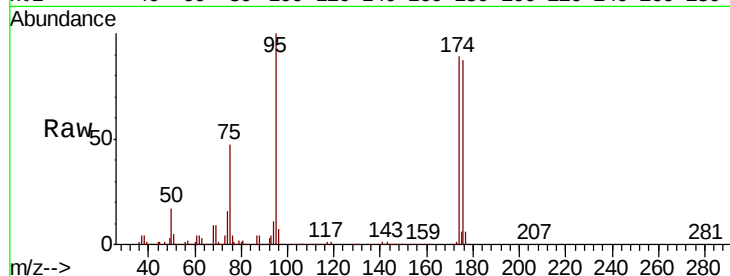
Tot Ion: 75 Resp: 312934

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

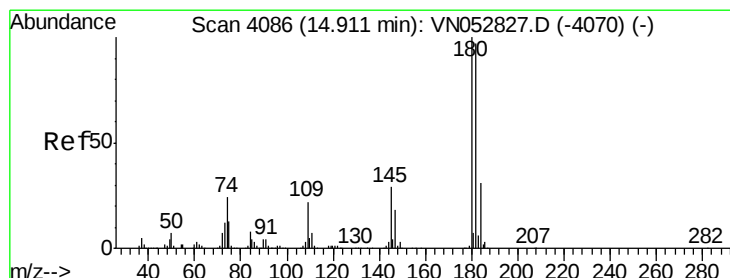
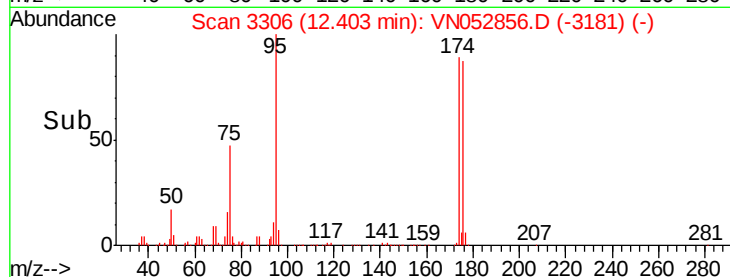
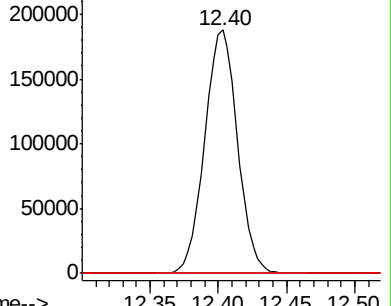
89 0.0 36.1 54.1#



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) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.308 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN052856.D

Acq: 13 Dec 2018 11:34

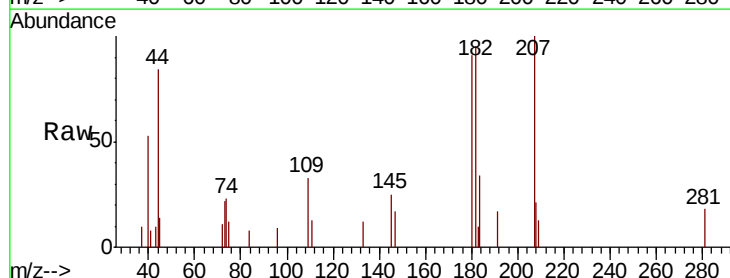
Tgt Ion: 180 Resp: 3171

Ion Ratio Lower Upper

180 100

182 94.2 47.8 143.3

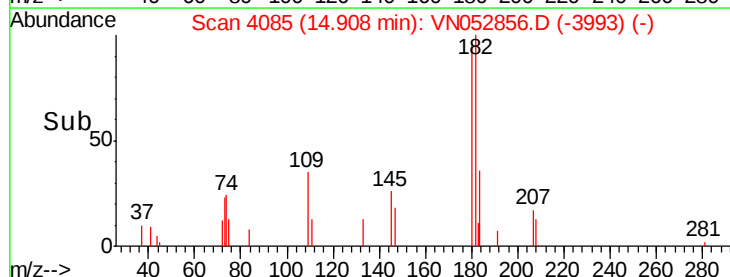
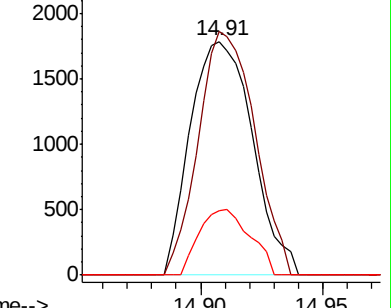
145 22.9 14.2 42.6

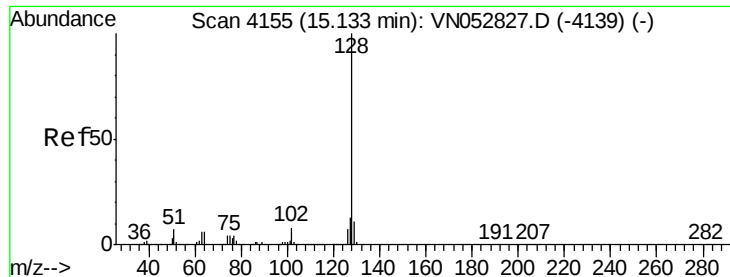


Abundance Ion 179.80 (179.50 to 180.50): VN052827.D (-4070) (-)

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

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

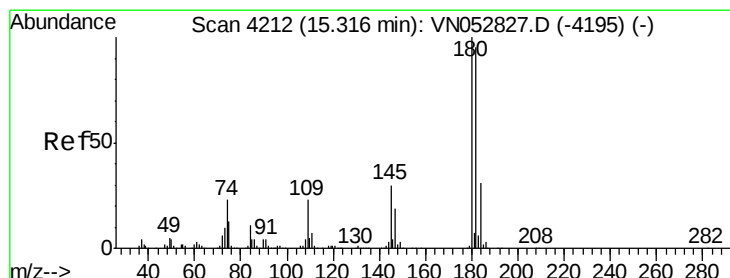
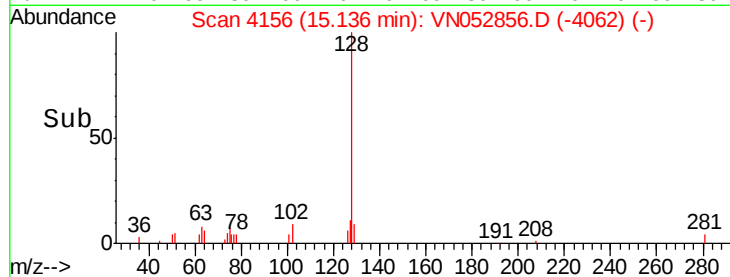
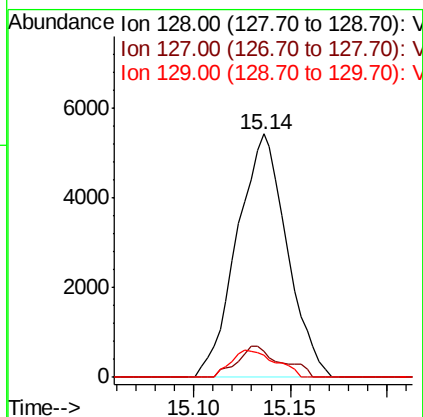
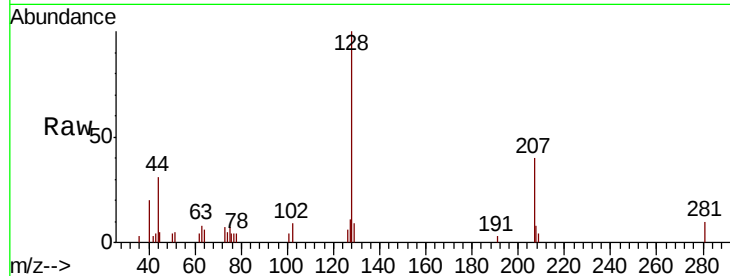




#95
Naphthalene
Concen: 0.455 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052856.D
Acq: 13 Dec 2018 11:34

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

Tot Ion:128 Resp: 9712
Ion Ratio Lower Upper
128 100
127 11.3 10.2 15.4
129 9.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.369 ug/l
RT: 15.32 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN052856.D
Acq: 13 Dec 2018 11:34

Tgt Ion:180 Resp: 3486
Ion Ratio Lower Upper
180 100
182 93.1 47.9 143.7
145 23.7 15.0 45.0

