

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121119\
 Data File : VN059561.D
 Acq On : 11 Dec 2019 15:02
 Operator : JC/SP
 Sample : K5674-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER-DRUM

Quant Time: Dec 12 00:52:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	238956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	378994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	337575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131777	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	172224	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.57	113	122919	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
50) Toluene-d8	10.08	98	468850	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.40	95	150100	43.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.84%	

Target Compounds

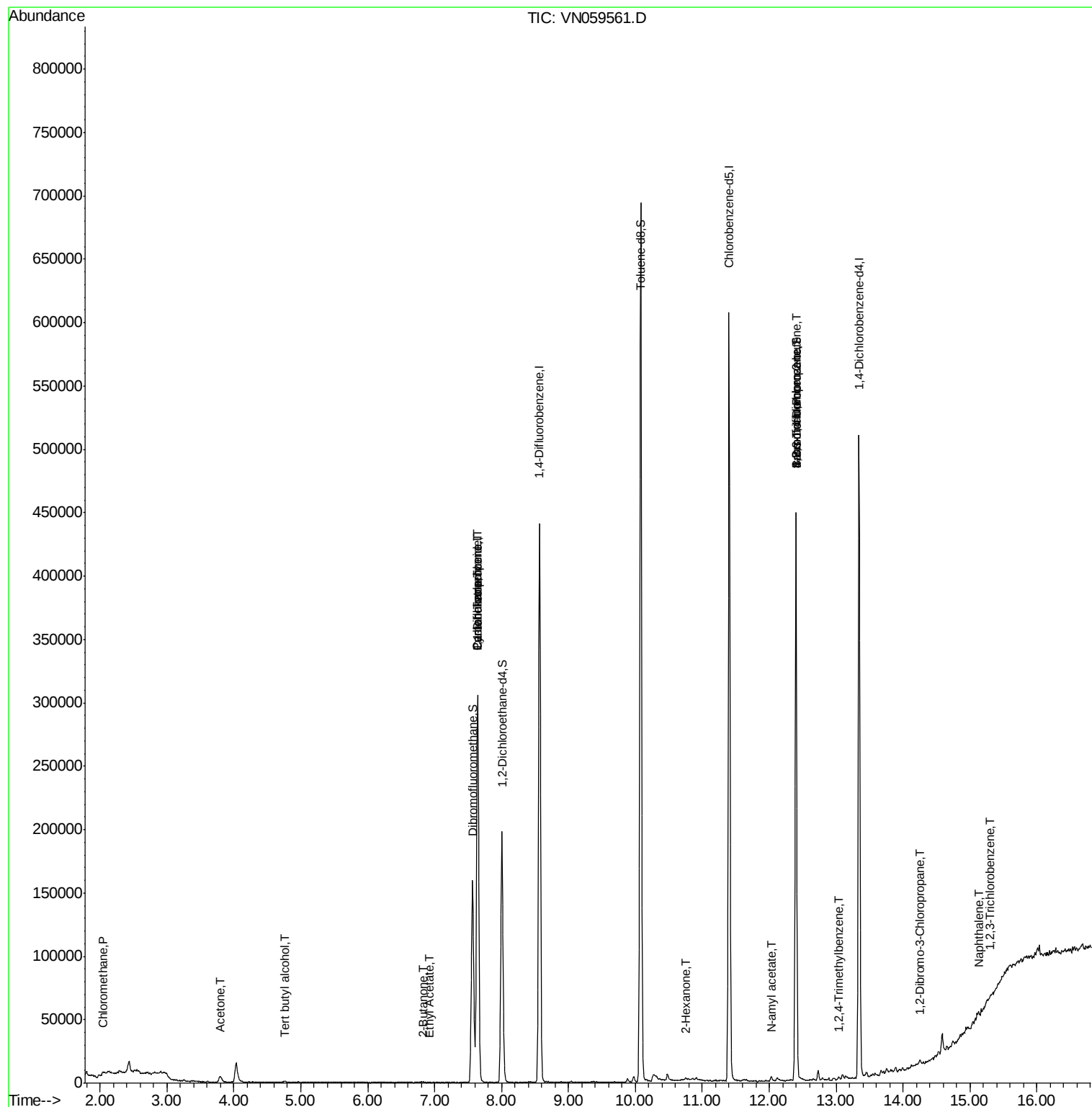
						Qvalue
3) Chloromethane	2.04	50	854	0.205	ug/l	94
11) Tert butyl alcohol	4.75	59	113	0.205	ug/l #	71
16) Acetone	3.79	43	8191	5.250	ug/l	98
17) Carbon Disulfide	4.02	76	2500	Below Cal	#	74
25) 2-Butanone	6.83	43	507	0.241	ug/l #	50
31) Cyclohexane	7.64	56	5471	1.087	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	19779	5.087	ug/l #	50
37) Ethyl Acetate	6.92	43	31	1.544	ug/l #	69
38) Carbon Tetrachloride	7.64	117	24025	6.269	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	2661	Below Cal		89
59) 2-Hexanone	10.75	43	1286	2.605	ug/l	66
71) Bromoform	12.40	173	701	0.338	ug/l #	1
74) N-amyl acetate	12.02	43	3073	0.714	ug/l #	42
76) 1,2,3-Trichloropropane	12.40	75	82092	24.361	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	82092	65.542	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.04	105	1918	0.229	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	203	2.334	ug/l #	3
95) Naphthalene	15.13	128	2455	0.285	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.30	180	422	2.550	ug/l #	49

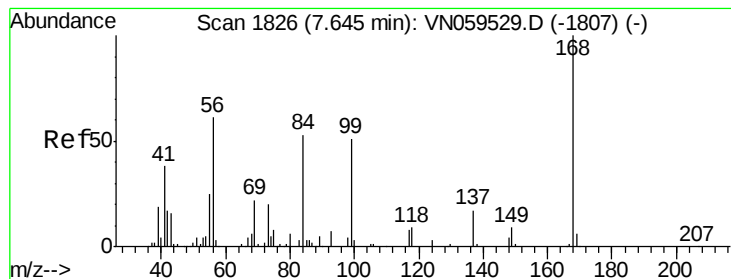
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 10 01:09:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059561.D

Acq: 11 Dec 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

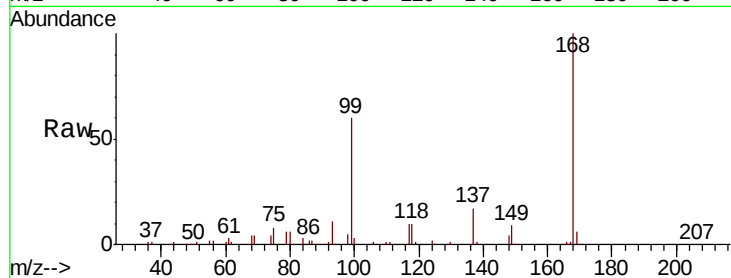
OILY-WATER-DRUM

Tot Ion:168 Resp: 238956

Ion Ratio Lower Upper

168 100

99 59.8 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

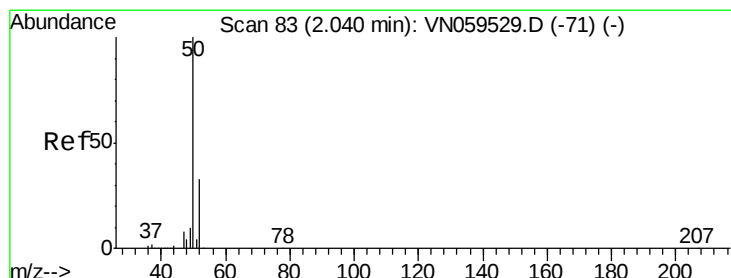
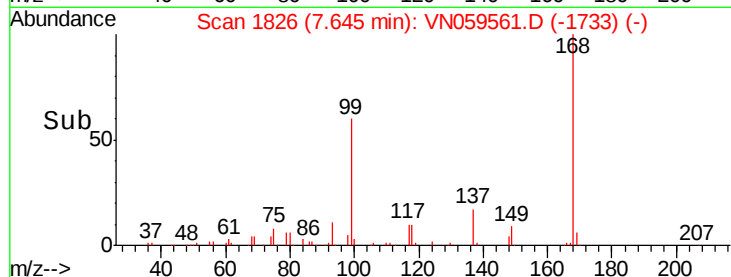
40000

20000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.205 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059561.D

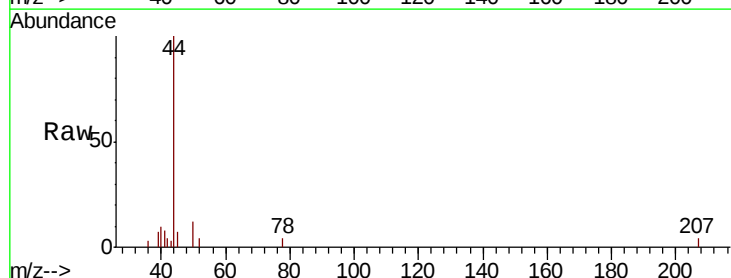
Acq: 11 Dec 2019 15:02

Tgt Ion: 50 Resp: 854

Ion Ratio Lower Upper

50 100

52 35.9 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

600

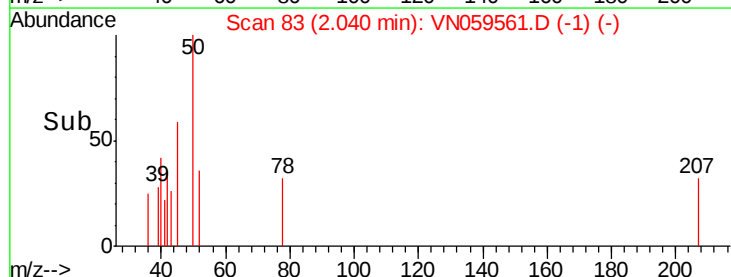
400

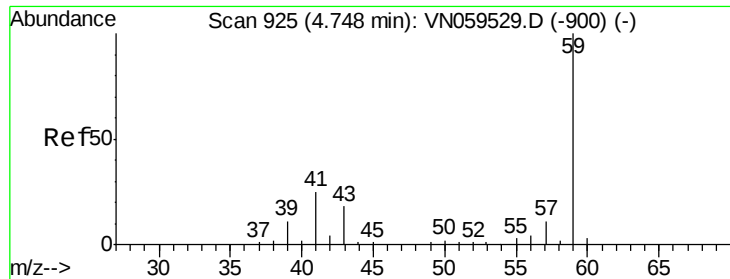
200

0

2.00 2.02 2.04 2.06

Time-->

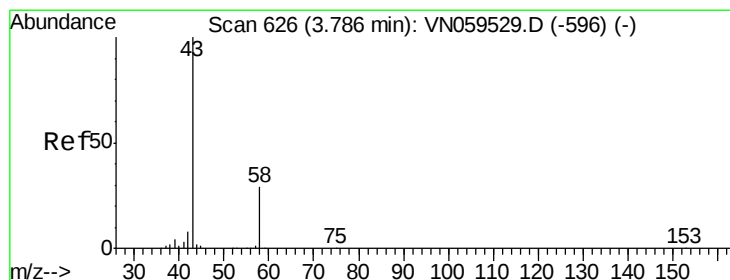
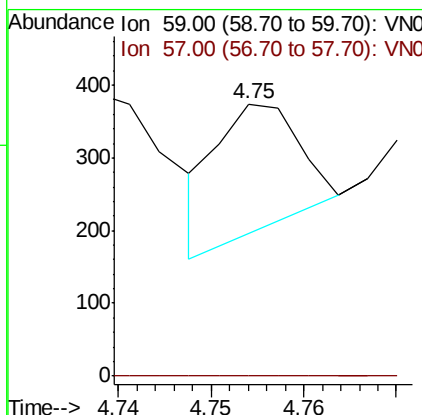
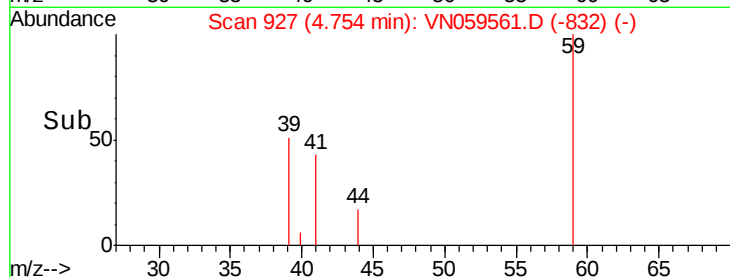
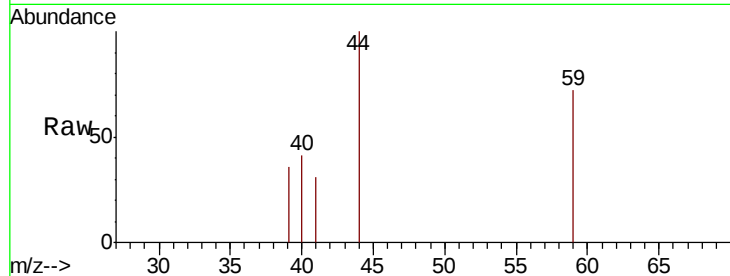




#11
Tert butyl alcohol
Concen: 0.205 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.01 min
Lab File: VN059561.D
Acq: 11 Dec 2019 15:02

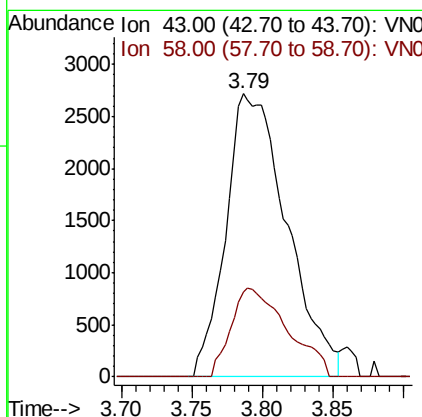
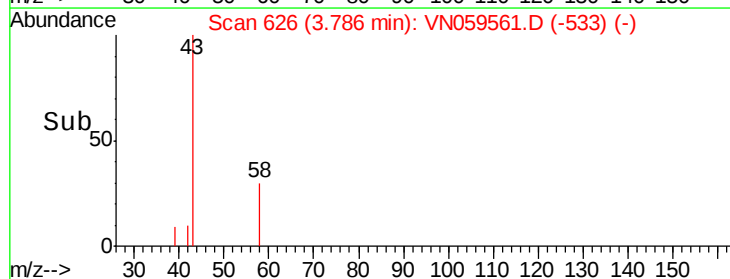
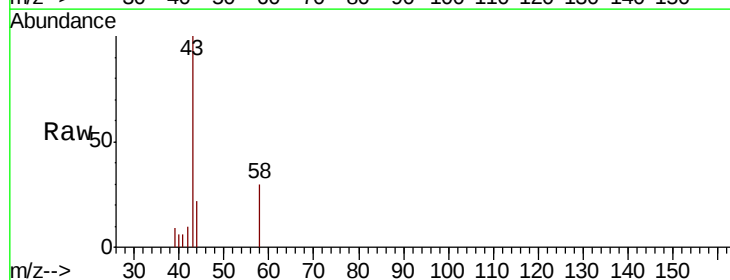
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-DRUM

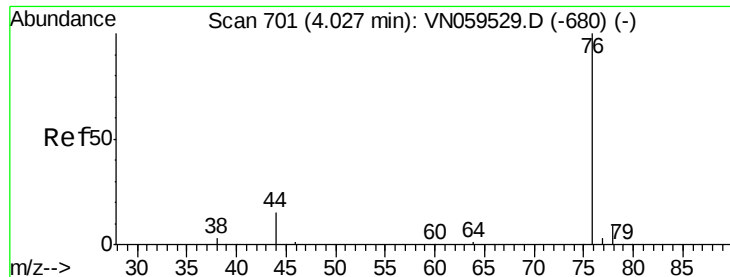
Tot Ion: 59 Resp: 113
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#16
Acetone
Concen: 5.250 ug/l
RT: 3.79 min Scan# 626
Delta R.T. -0.00 min
Lab File: VN059561.D
Acq: 11 Dec 2019 15:02

Tgt Ion: 43 Resp: 8191
Ion Ratio Lower Upper
43 100
58 30.0 23.0 34.4

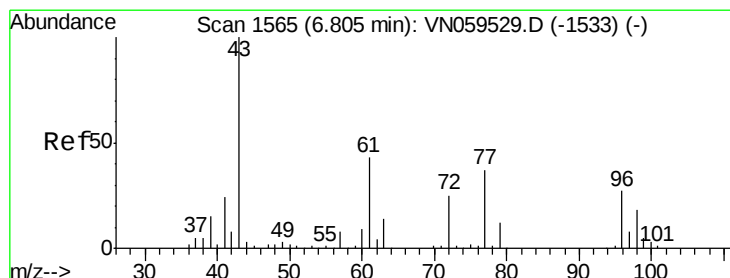
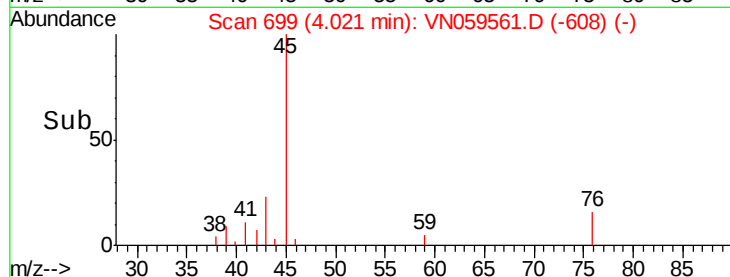
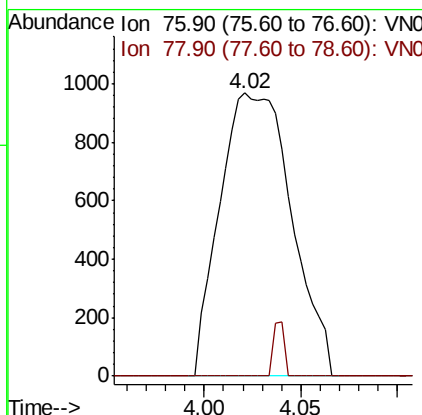
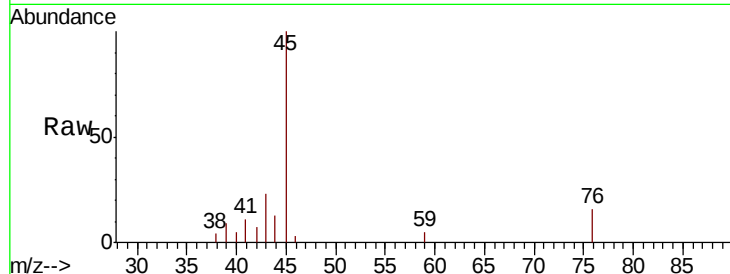




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.02 min Scan# 699
Delta R.T. -0.01 min
Lab File: VN059561.D
Acq: 11 Dec 2019 15:02

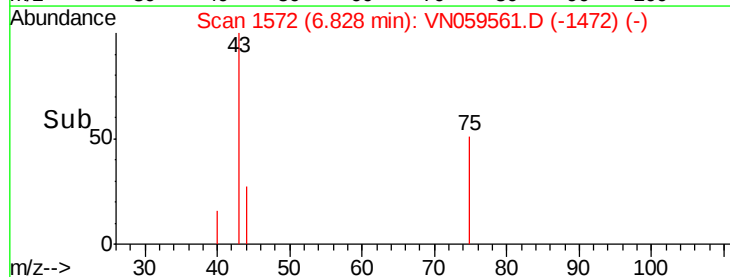
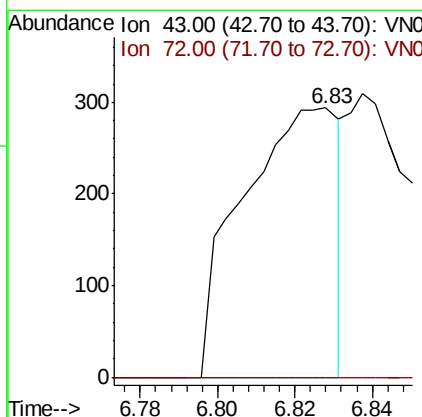
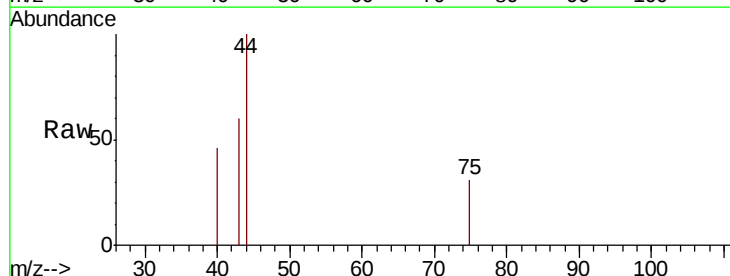
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-DRUM

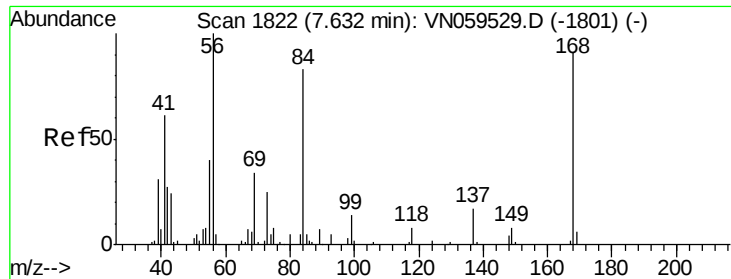
Tot Ion: 76 Resp: 2500
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#25
2-Butanone
Concen: 0.241 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.02 min
Lab File: VN059561.D
Acq: 11 Dec 2019 15:02

Tgt Ion: 43 Resp: 507
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#

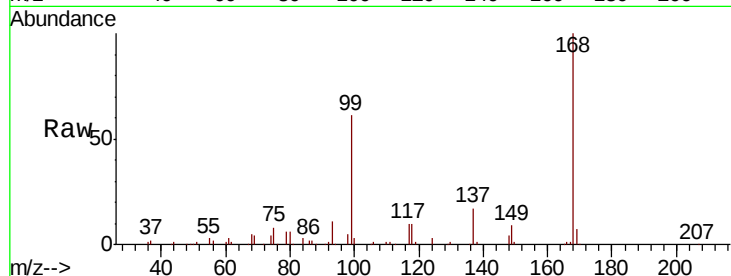




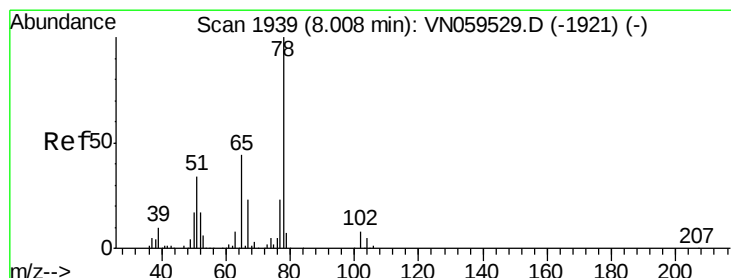
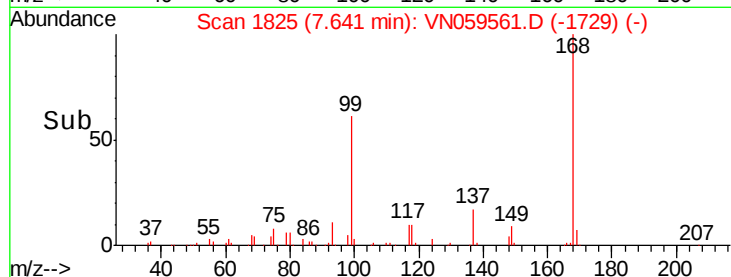
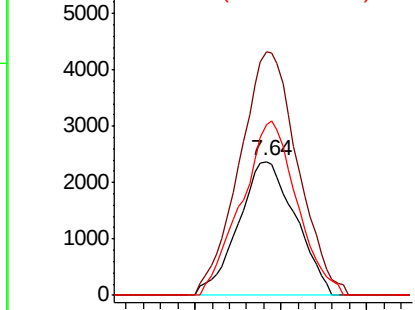
#31
Cyclohexane
Concen: 1.087 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059561.D
Acq: 11 Dec 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-DRUM

Tot Ion: 56 Resp: 5471
Ion Ratio Lower Upper
56 100
69 181.9 26.9 40.3#
84 127.5 66.5 99.7#

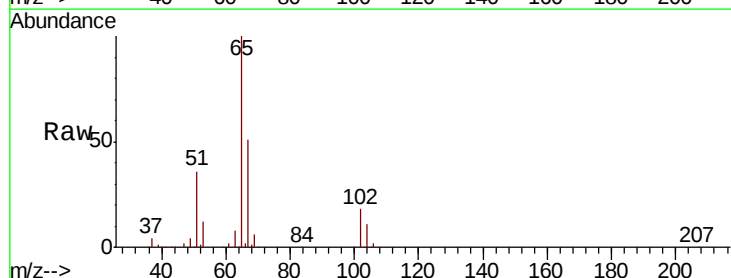


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

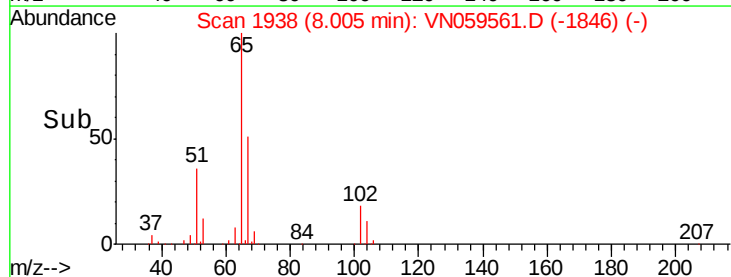
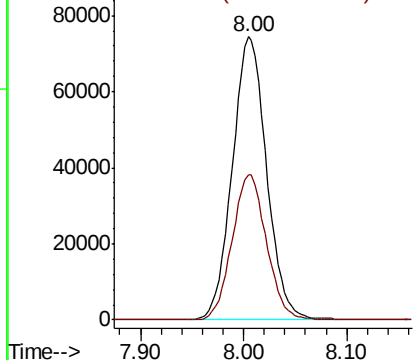


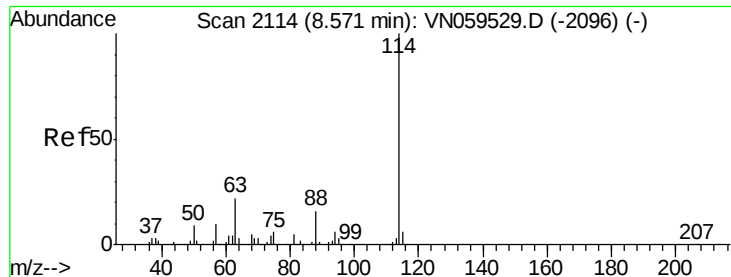
#33
1,2-Dichloroethane-d4
Concen: 51.569 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN059561.D
Acq: 11 Dec 2019 15:02

Tgt Ion: 65 Resp: 172224
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

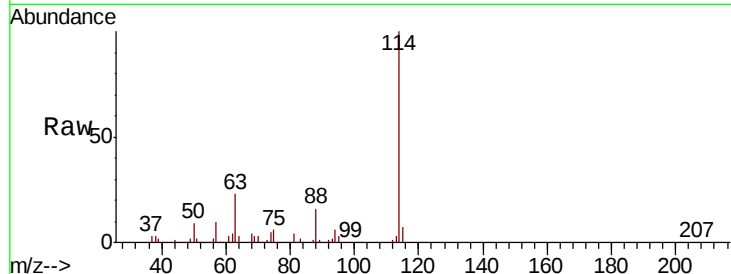




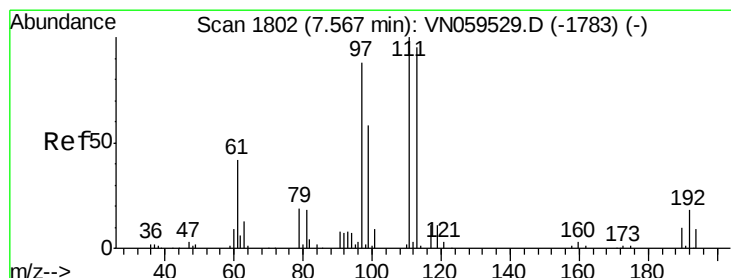
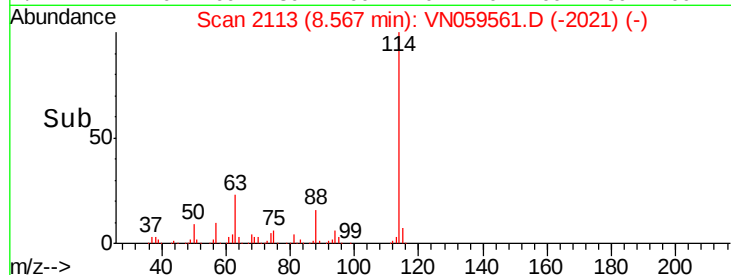
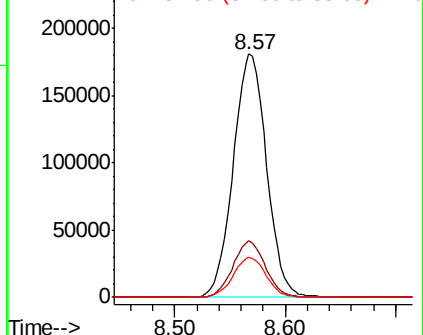
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059561.D
 Acq: 11 Dec 2019 15:02

Instrument :
 MSVOA_N
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 OILY-WATER-DRUM

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	45.0
88	16.2	0.0	32.2

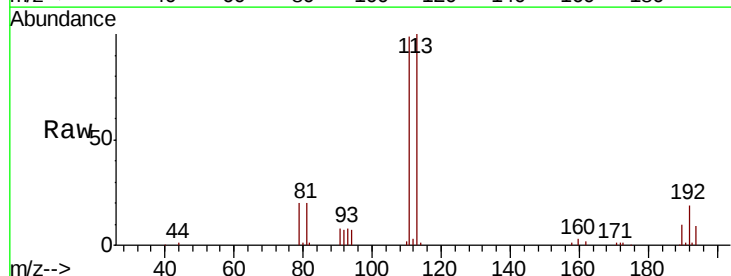


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

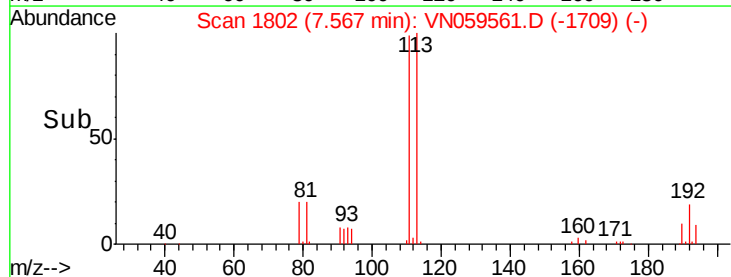
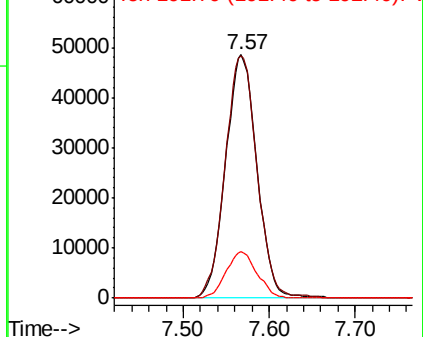


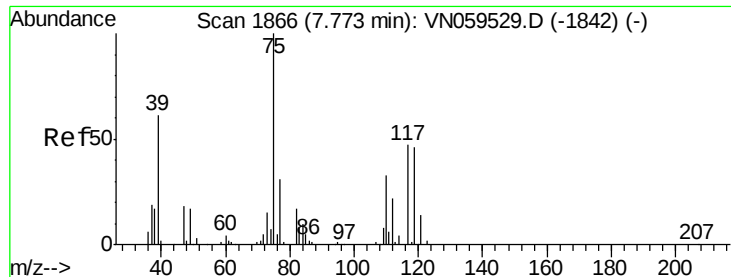
#35
 Dibromofluoromethane
 Concen: 54.350 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059561.D
 Acq: 11 Dec 2019 15:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.3	82.2	123.4
192	18.7	14.8	22.2



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: 5.087 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN059561.D

Acq: 11 Dec 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER-DRUM

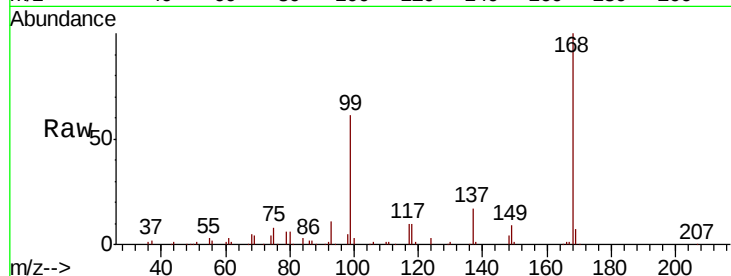
Tot Ion: 75 Resp: 19779

Ion Ratio Lower Upper

75 100

110 8.2 16.7 50.0#

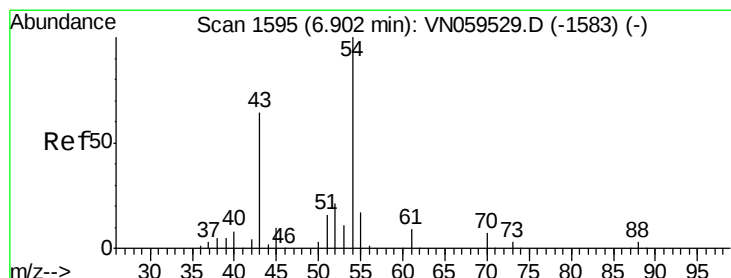
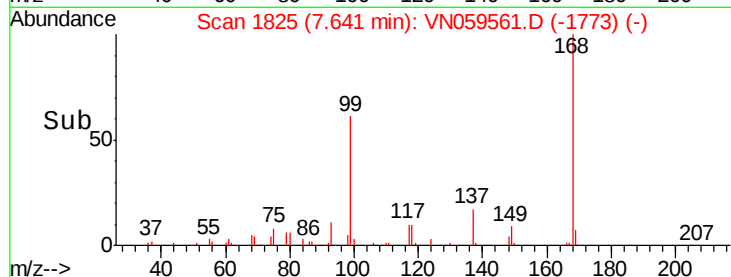
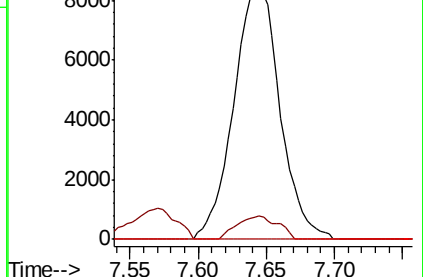
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 1.544 ug/l

RT: 6.92 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VN059561.D

Acq: 11 Dec 2019 15:02

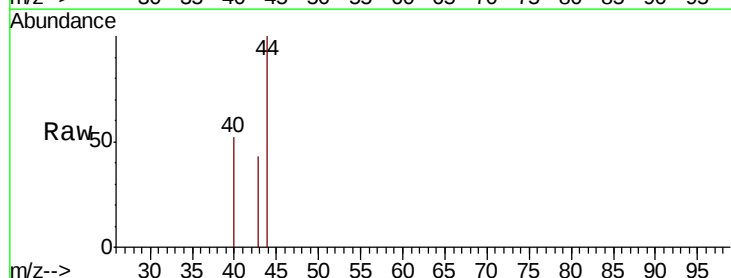
Tgt Ion: 43 Resp: 31

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

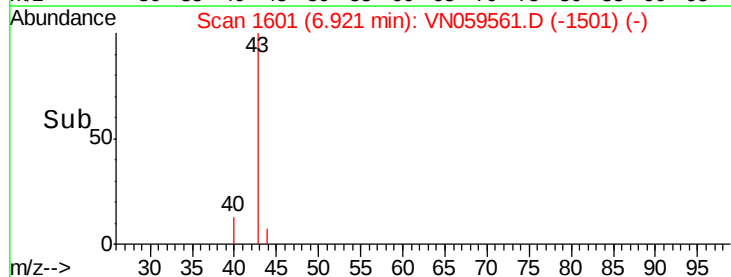
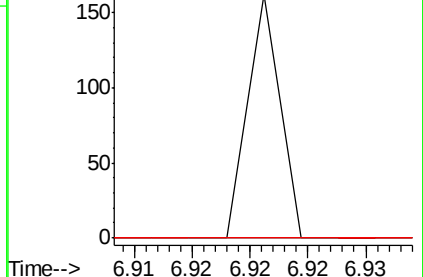
70 0.0 7.7 11.5#

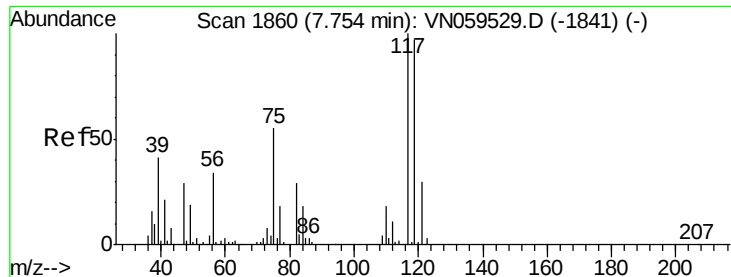


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 6.269 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059561.D

Acq: 11 Dec 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER-DRUM

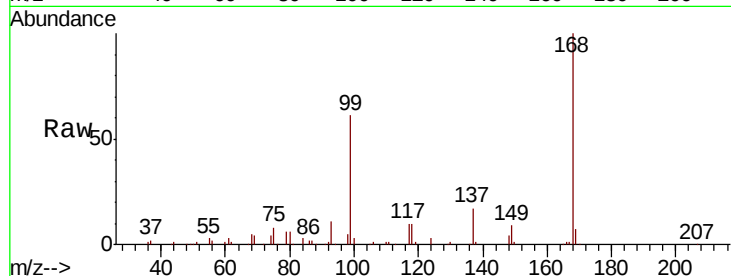
Tot Ion:117 Resp: 24025

Ion Ratio Lower Upper

117 100

119 5.8 77.0 115.4#

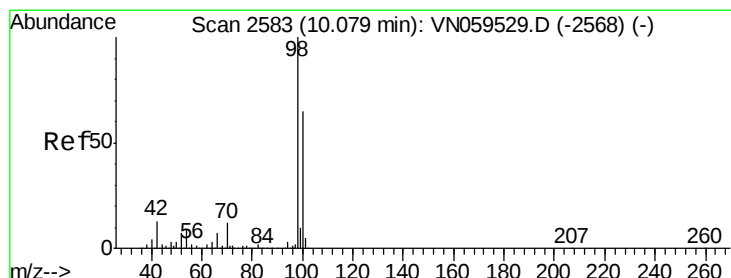
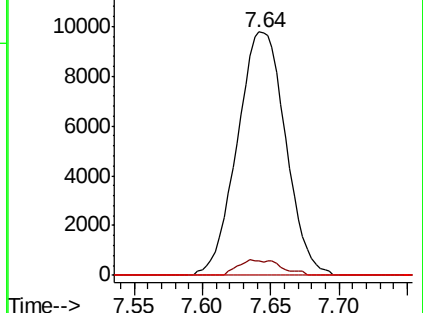
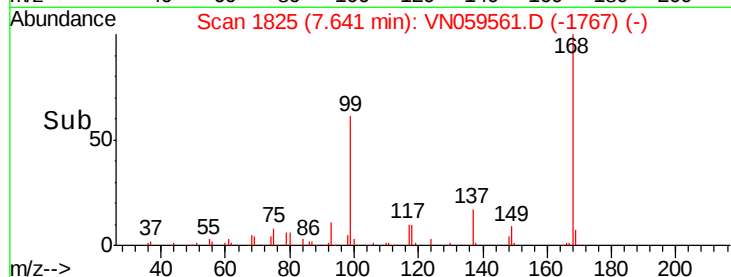
121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.779 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059561.D

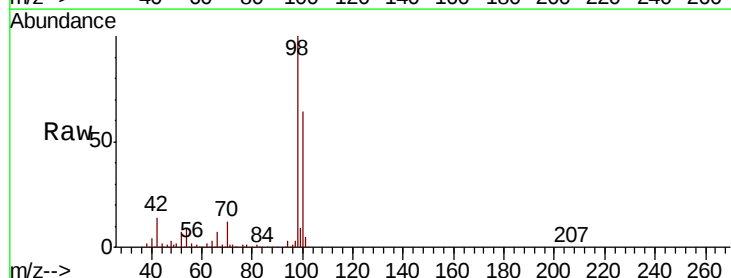
Acq: 11 Dec 2019 15:02

Tgt Ion: 98 Resp: 468850

Ion Ratio Lower Upper

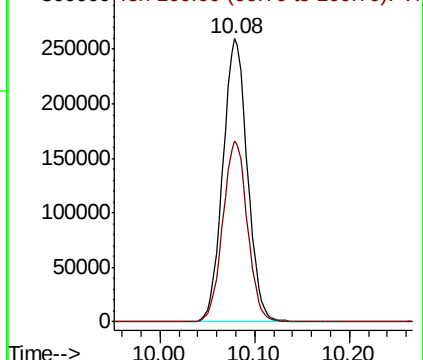
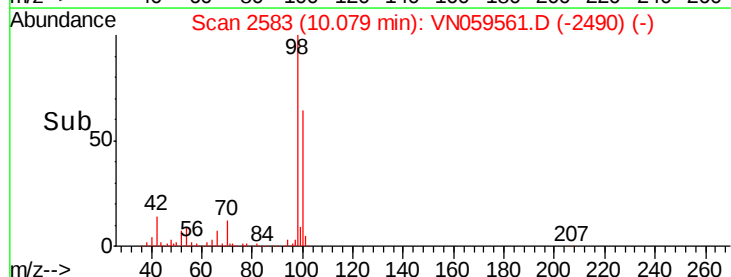
98 100

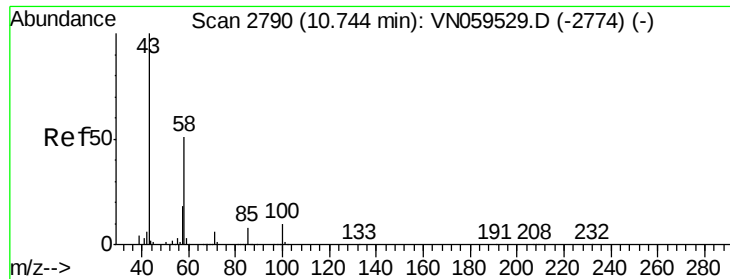
100 63.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#59

2-Hexanone

Concen: 2.605 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.01 min

Lab File: VN059561.D

Acq: 11 Dec 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

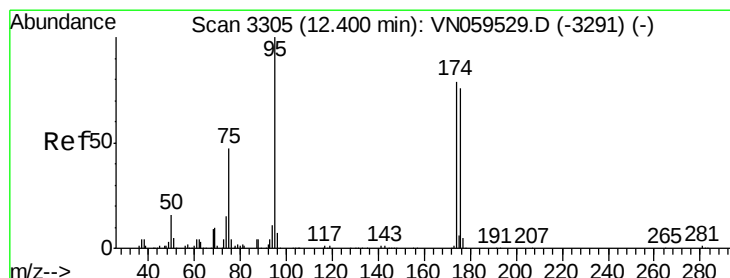
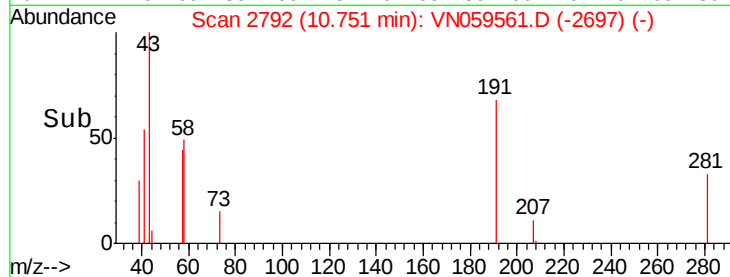
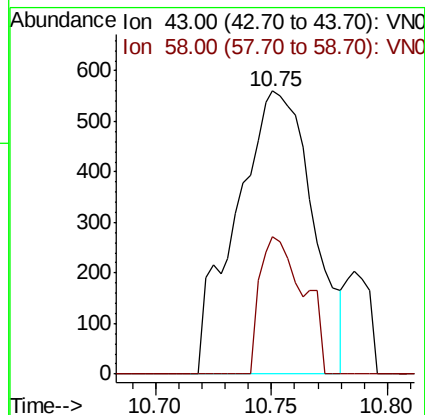
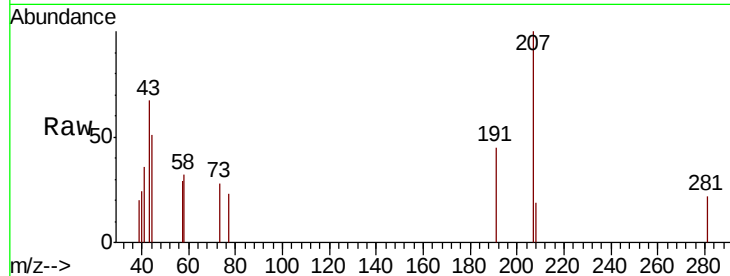
OILY-WATER-DRUM

Tot Ion: 43 Resp: 1286

Ion Ratio Lower Upper

43 100

58 27.8 25.9 77.6



#62

4-Bromofluorobenzene

Concen: 43.917 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059561.D

Acq: 11 Dec 2019 15:02

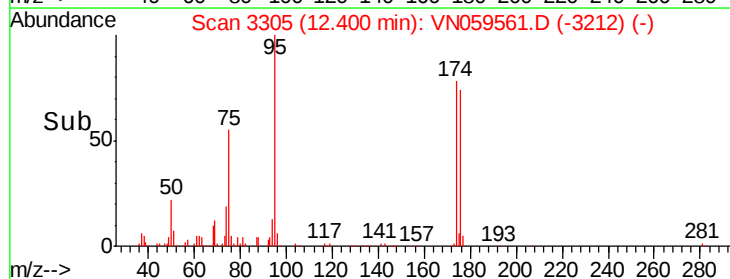
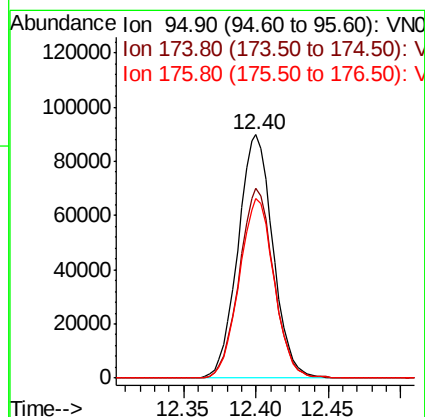
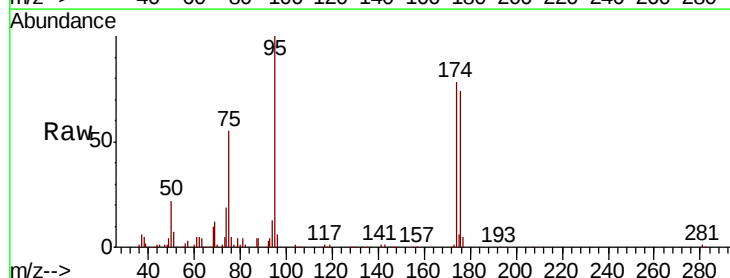
Tgt Ion: 95 Resp: 150100

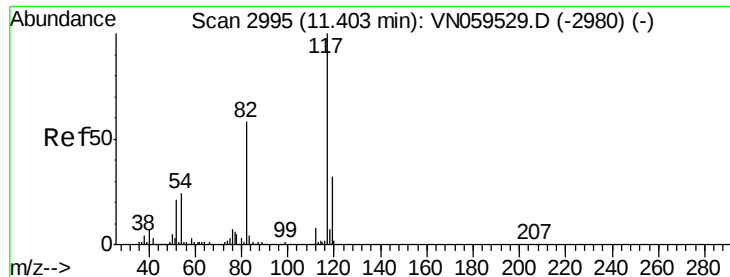
Ion Ratio Lower Upper

95 100

174 77.0 0.0 158.0

176 73.9 0.0 155.4

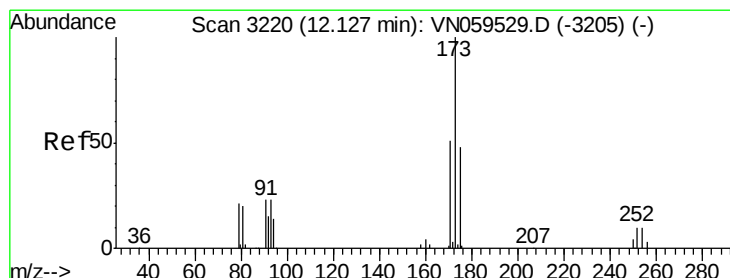
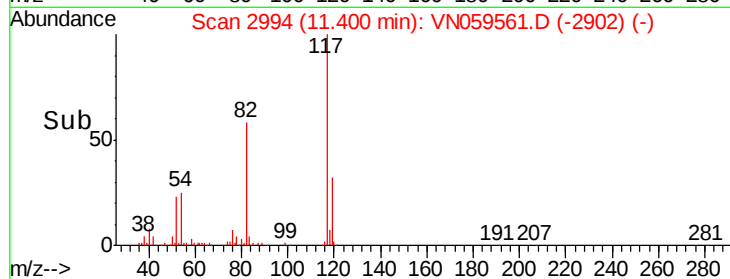
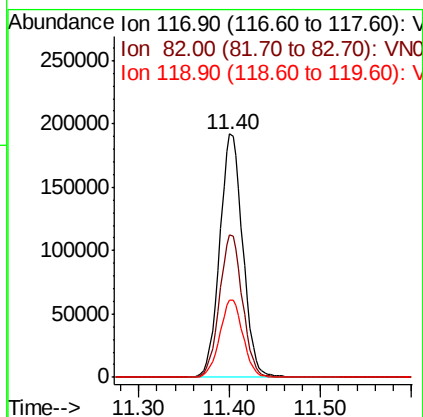
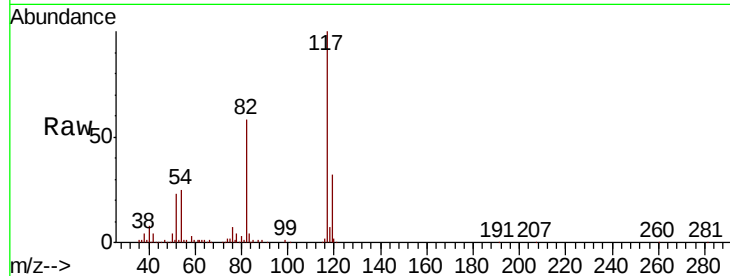




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059561.D
Acq: 11 Dec 2019 15:02

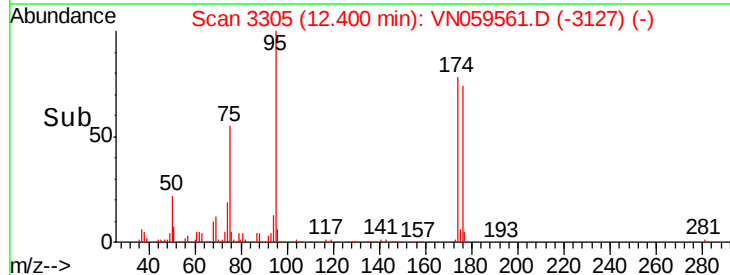
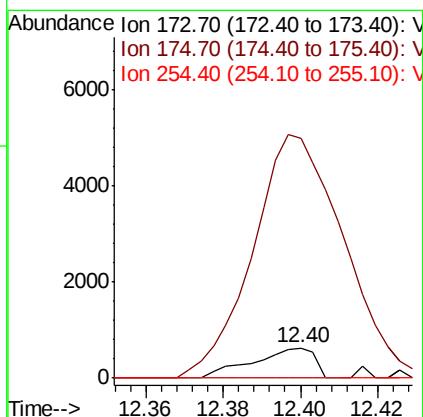
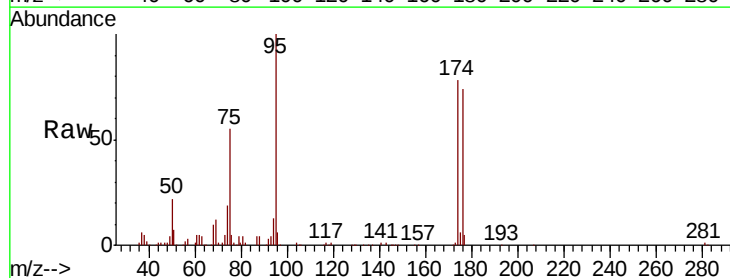
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-DRUM

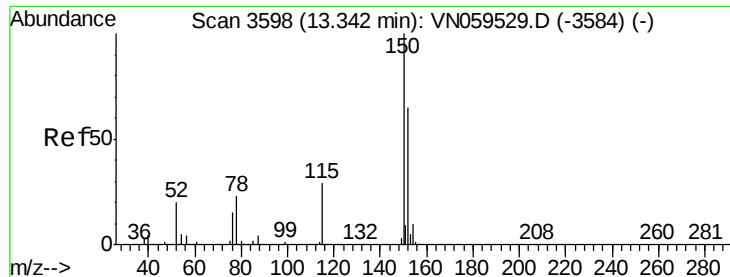
Tot Ion:117 Resp: 337575
Ion Ratio Lower Upper
117 100
82 58.4 46.5 69.7
119 32.0 25.2 37.8



#71
Bromoform
Concen: 0.338 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN059561.D
Acq: 11 Dec 2019 15:02

Tgt Ion:173 Resp: 701
Ion Ratio Lower Upper
173 100
175 1065.8 24.1 72.4#
254 0.0 0.0 0.0



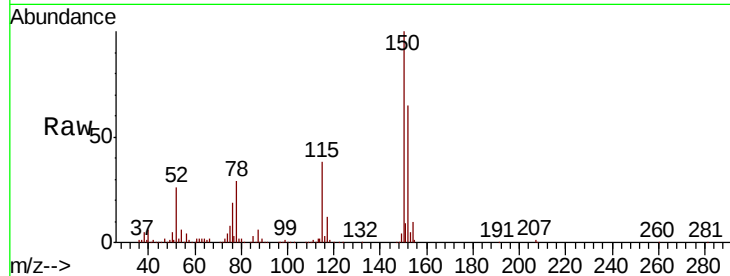


#72

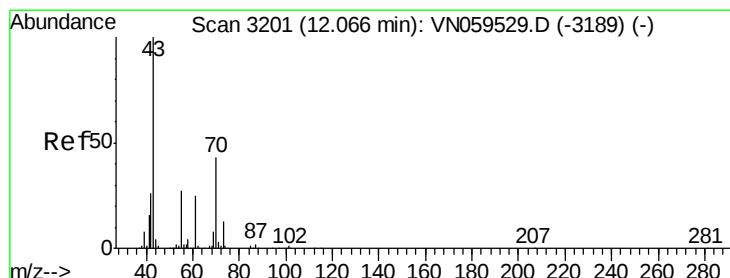
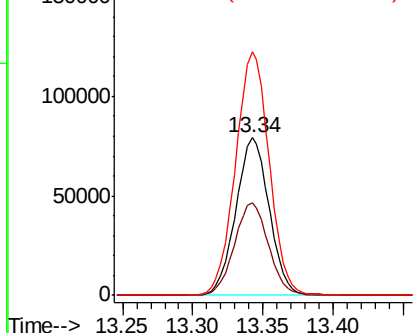
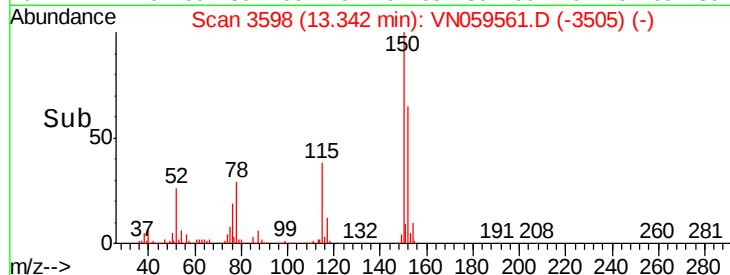
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059561.D
Acq: 11 Dec 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER-DRUM

Tot Ion:152 Resp: 131777
Ion Ratio Lower Upper
152 100
115 60.0 29.4 88.2
150 155.7 0.0 342.4



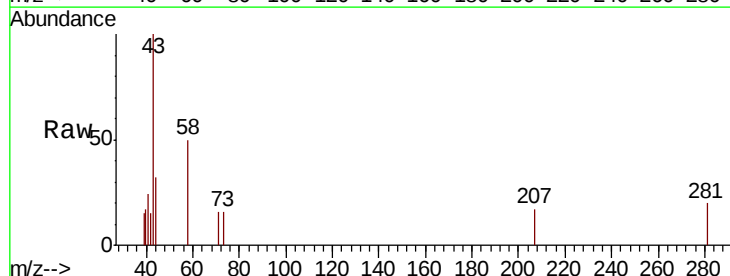
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



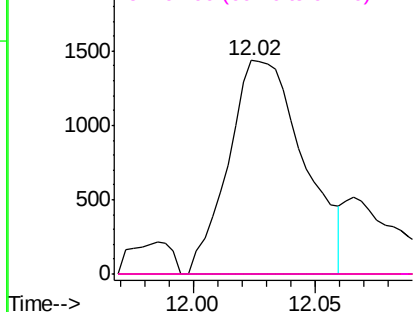
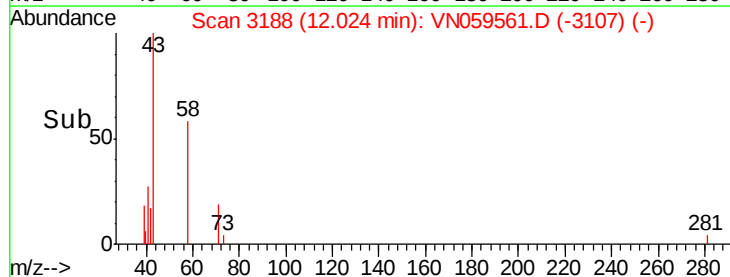
#74

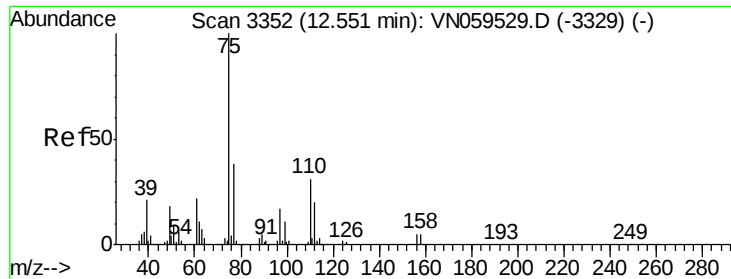
N-ethyl acetate
Concen: 0.714 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN059561.D
Acq: 11 Dec 2019 15:02

Tgt Ion: 43 Resp: 3073
Ion Ratio Lower Upper
43 100
70 0.0 34.2 51.4#
55 0.0 21.3 31.9#
61 0.0 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 70.00 (69.70 to 70.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 24.361 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059561.D

Acq: 11 Dec 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

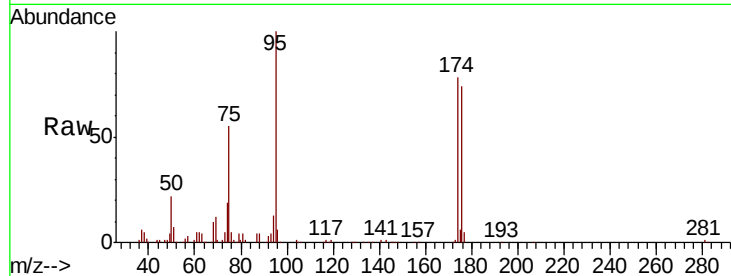
OILY-WATER-DRUM

Tot Ion: 75 Resp: 82092

Ion Ratio Lower Upper

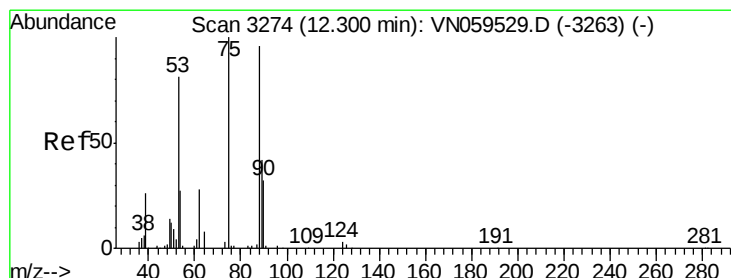
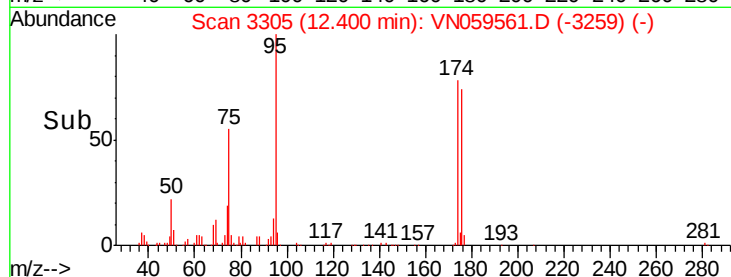
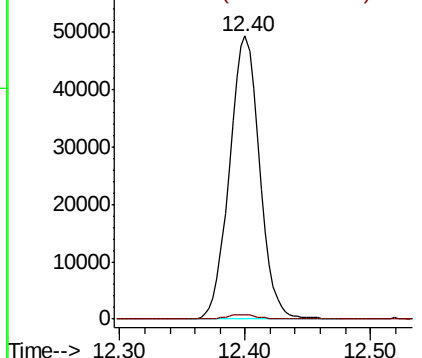
75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 65.542 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059561.D

Acq: 11 Dec 2019 15:02

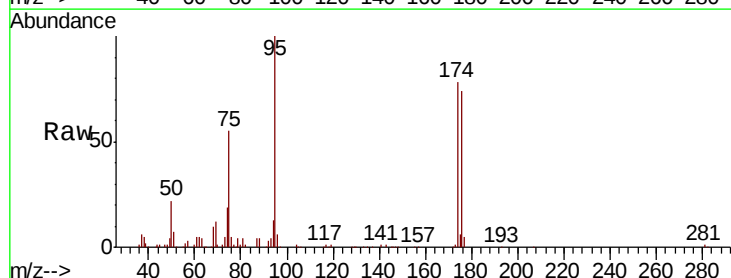
Tgt Ion: 75 Resp: 82092

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.6#

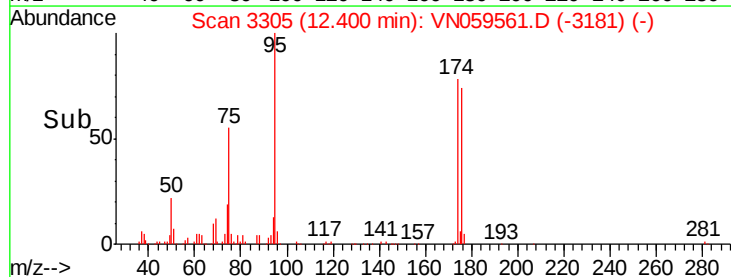
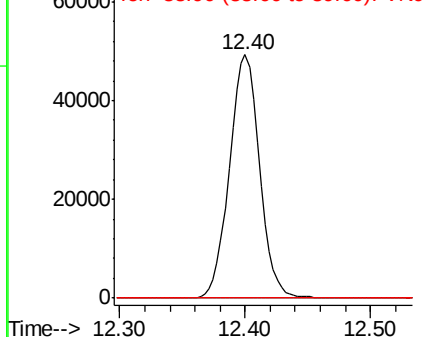
89 0.0 35.5 53.3#

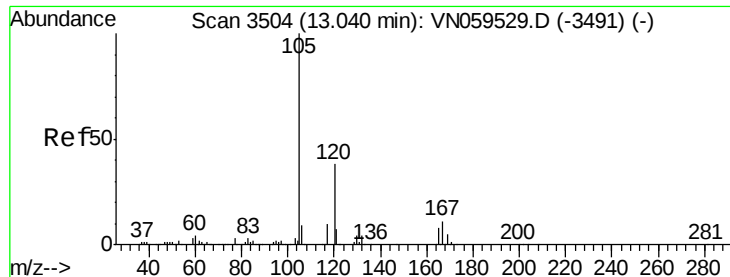


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

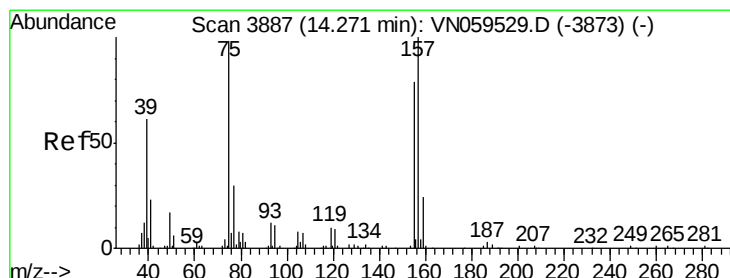
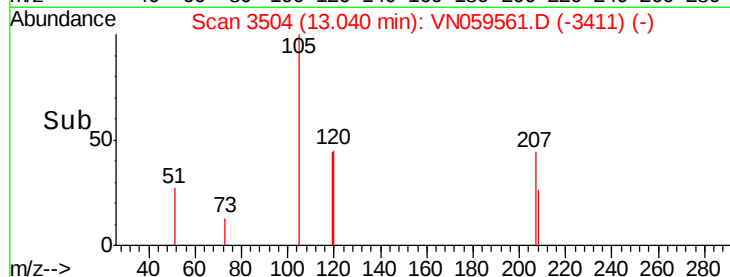
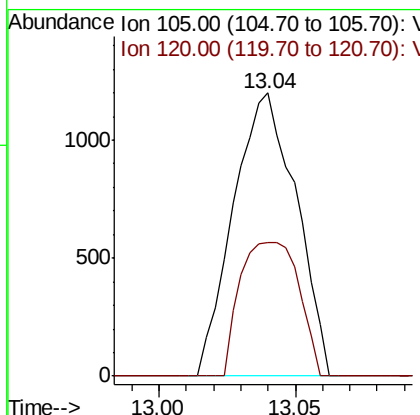
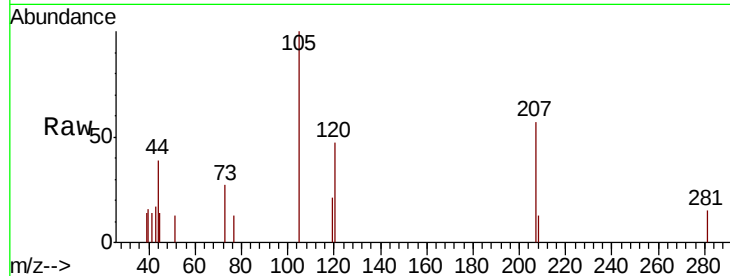




#84
 1,2,4-Trimethylbenzene
 Concen: 0.229 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059561.D
 Acq: 11 Dec 2019 15:02

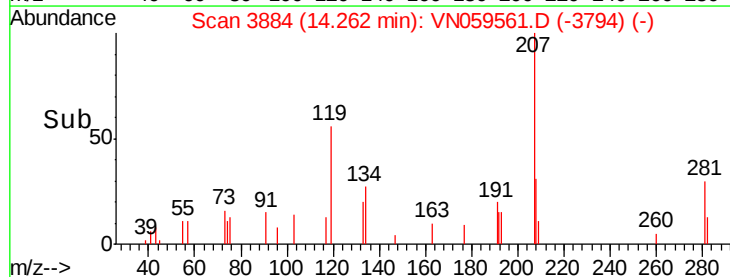
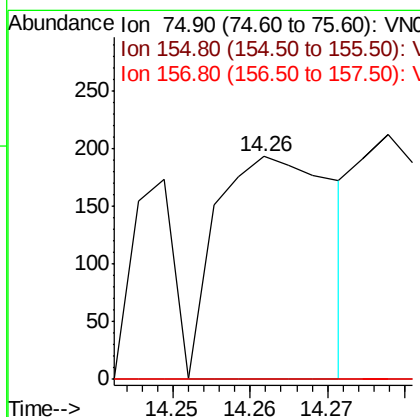
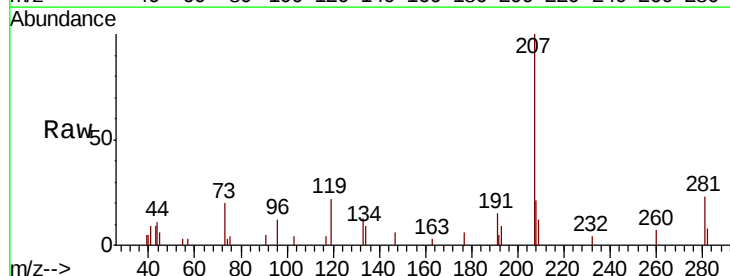
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER-DRUM

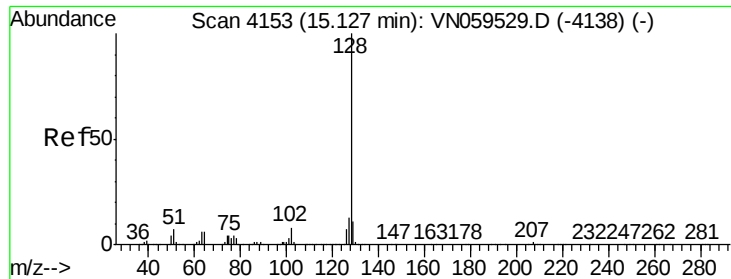
Tot Ion:105 Resp: 1918
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.8 68.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.334 ug/l
 RT: 14.26 min Scan# 3884
 Delta R.T. -0.01 min
 Lab File: VN059561.D
 Acq: 11 Dec 2019 15:02

Tgt Ion: 75 Resp: 203
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.4 121.1#
 157 0.0 51.1 153.3#





#95

Naphthalene

Concen: 0.285 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059561.D

Acq: 11 Dec 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER-DRUM

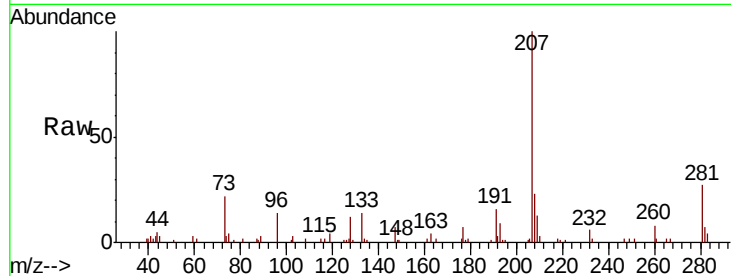
Tot Ion:128 Resp: 2455

Ion Ratio Lower Upper

128 100

127 9.9 10.2 15.4#

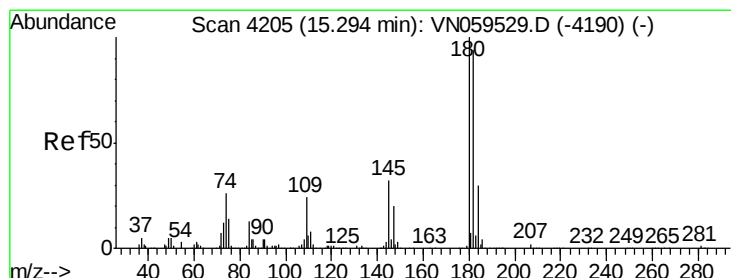
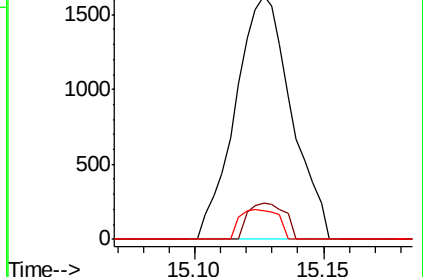
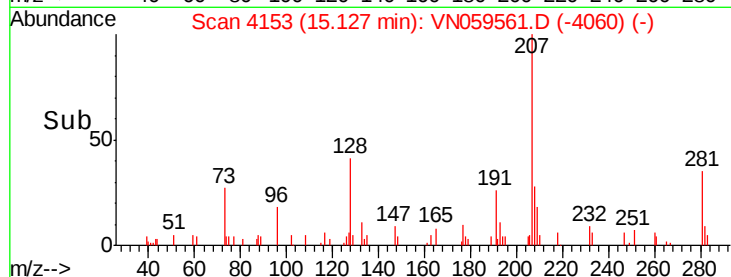
129 8.5 8.6 13.0#



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: 2.550 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059561.D

Acq: 11 Dec 2019 15:02

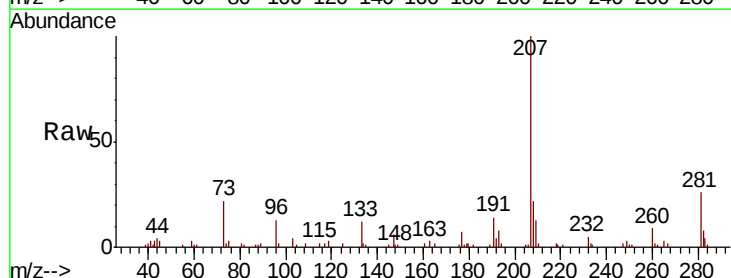
Tgt Ion:180 Resp: 422

Ion Ratio Lower Upper

180 100

182 30.6 47.1 141.4#

145 34.6 15.8 47.4



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

