

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013019\
 Data File : VN053566.D
 Acq On : 30 Jan 2019 12:47
 Operator : JC/SP
 Sample : K1250-04 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-1-3

Quant Time: Jan 31 06:14:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 31 05:27:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	848793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1333392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1190312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	500434	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	418763	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
35) Dibromofluoromethane	7.59	113	414244	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
50) Toluene-d8	10.09	98	1596156	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	529610	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	

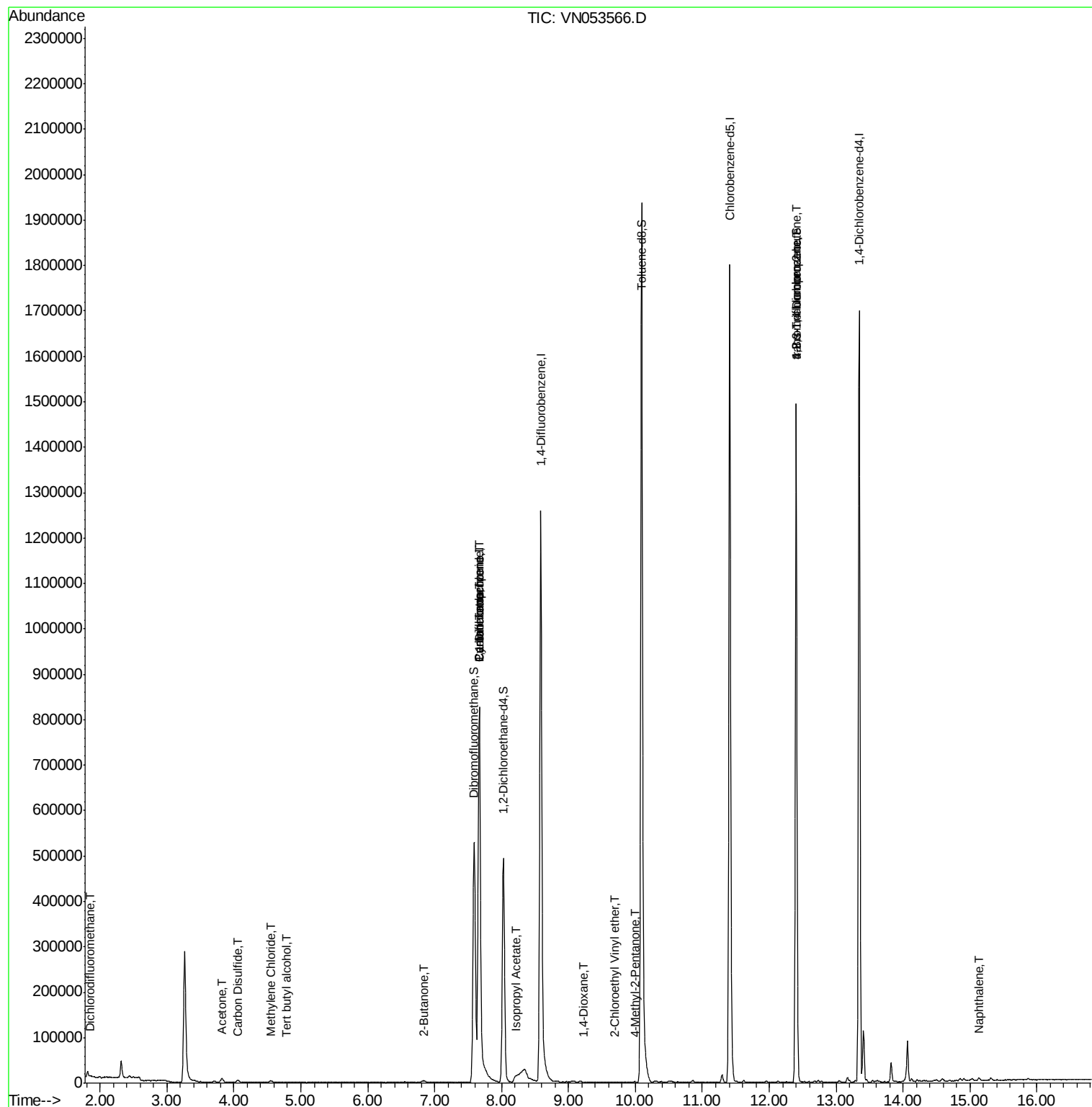
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	93	0.347	ug/l #	42
11) Tert butyl alcohol	4.77	59	1860	3.691	ug/l #	81
13) Acrolein	3.61	56	216	Below Cal		91
16) Acetone	3.82	43	15204	6.961	ug/l	94
17) Carbon Disulfide	4.05	76	6392	0.261	ug/l	100
20) Methylene Chloride	4.55	84	3267	0.357	ug/l #	77
25) 2-Butanone	6.84	43	5844	1.876	ug/l #	87
31) Cyclohexane	7.66	56	12730	0.717	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	50821	4.228	ug/l #	47
38) Carbon Tetrachloride	7.67	117	65048	5.372	ug/l #	17
43) Isopropyl Acetate	8.20	43	8000	0.617	ug/l #	51
49) 1,4-Dioxane	9.23	88	30	39.420	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	1320	0.207	ug/l #	34
58) 2-Chloroethyl Vinyl ether	9.70	63	77	8.022	ug/l #	48
76) 1,2,3-Trichloropropane	12.40	75	242385	37.709	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	242385	106.035	ug/l #	15
95) Naphthalene	15.13	128	5014	1.956	ug/l #	88

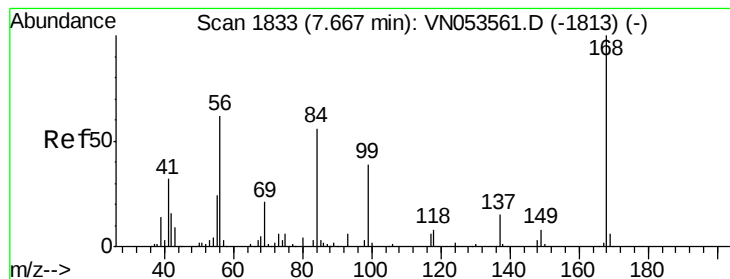
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN053566.D

Acq: 30 Jan 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

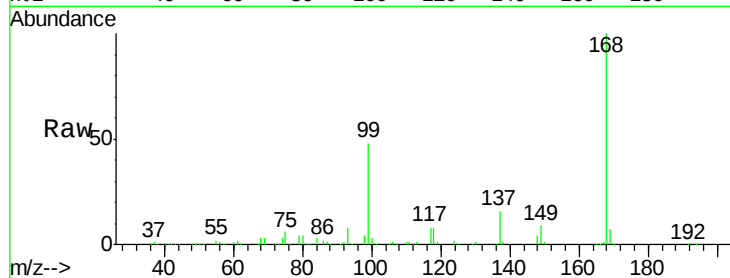
DRUM-1-3

Tot Ion:168 Resp: 848793

Ion Ratio Lower Upper

168 100

99 48.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

200000

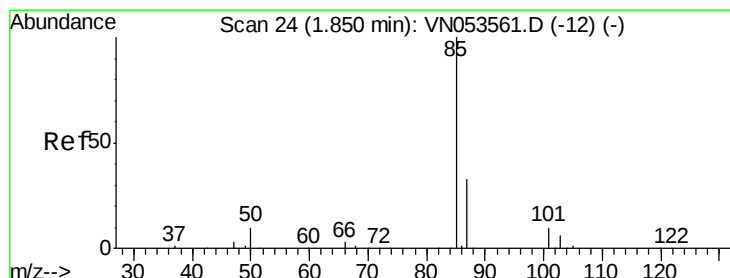
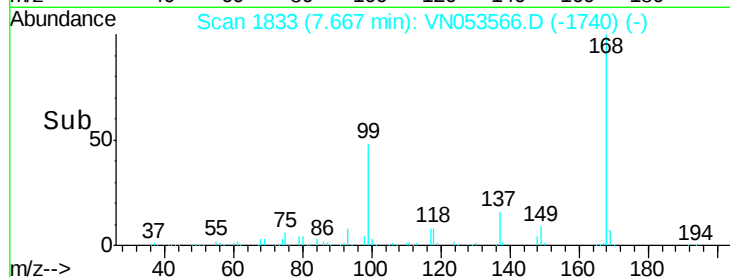
100000

0

Time-->

7.60

7.80



#2

Dichlorodifluoromethane

Concen: 0.347 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053566.D

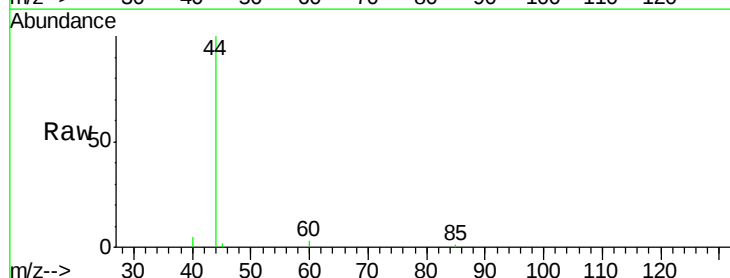
Acq: 30 Jan 2019 12:47

Tgt Ion: 85 Resp: 93

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200

150

100

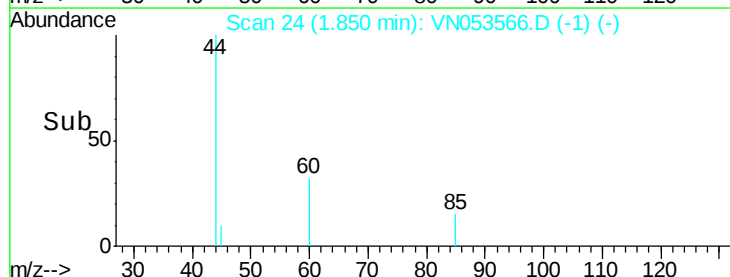
50

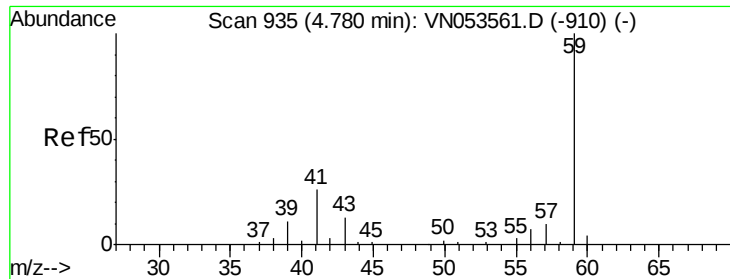
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Time-->

1.84

1.86

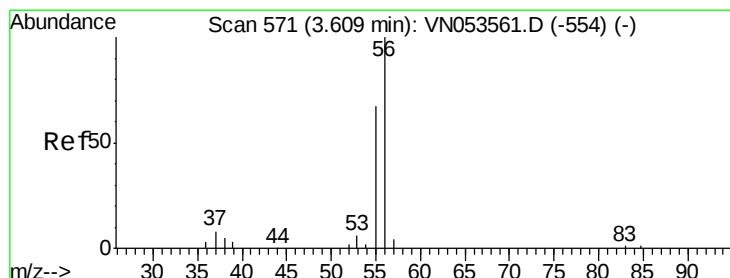
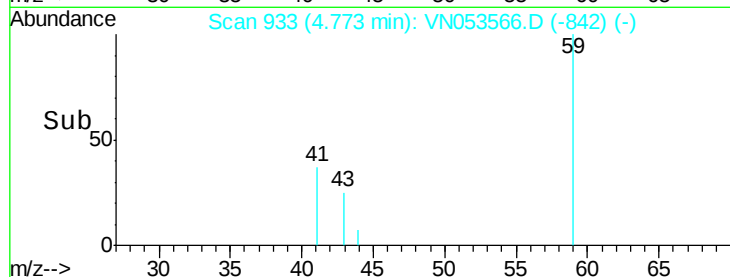
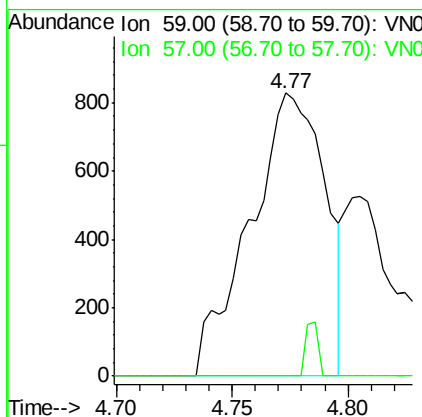
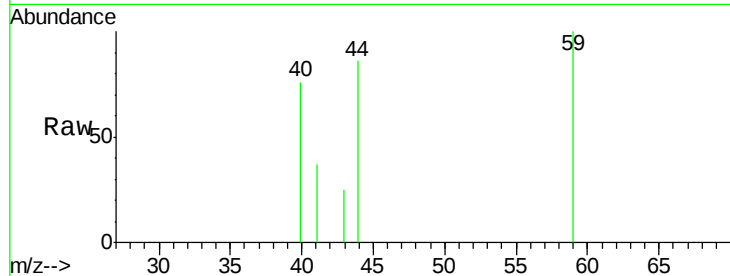




#11
Tert butyl alcohol
Concen: 3.691 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.01 min
Lab File: VN053566.D
Acq: 30 Jan 2019 12:47

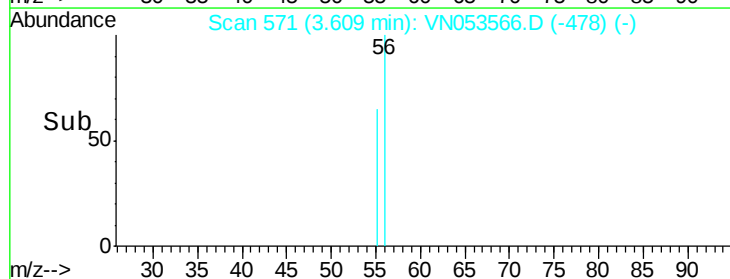
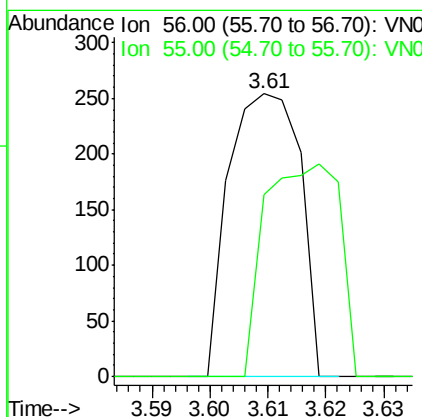
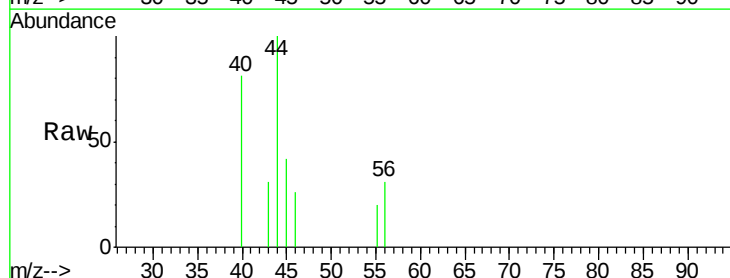
Instrument :
MSVOA_N
ClientSampleId :
DRUM-1-3

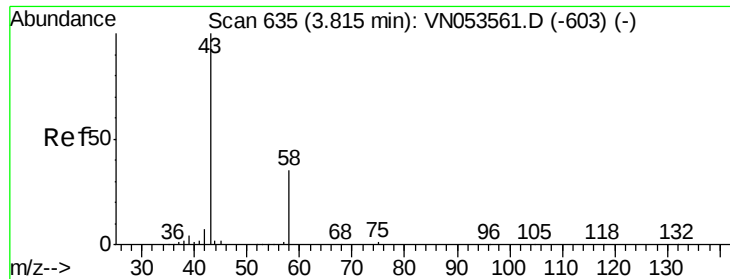
Tot Ion: 59.00 (58.70 to 59.70): VN0
Ion Ratio Lower Upper
59 100
57 3.2 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053566.D
Acq: 30 Jan 2019 12:47

Tgt Ion: 56 Resp: 216
Ion Ratio Lower Upper
56 100
55 79.2 57.4 86.0





#16

Acetone

Concen: 6.961 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053566.D

Acq: 30 Jan 2019 12:47

Instrument :

MSVOA_N

ClientSampled :

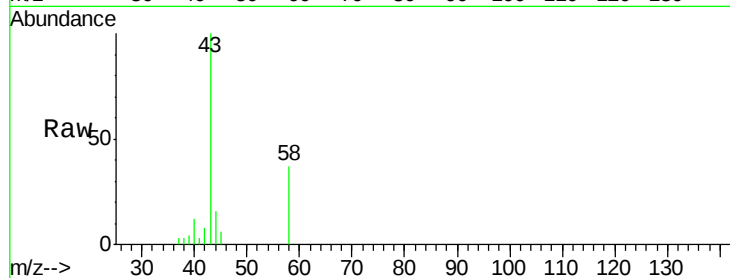
DRUM-1-3

Tot Ion: 43 Resp: 15204

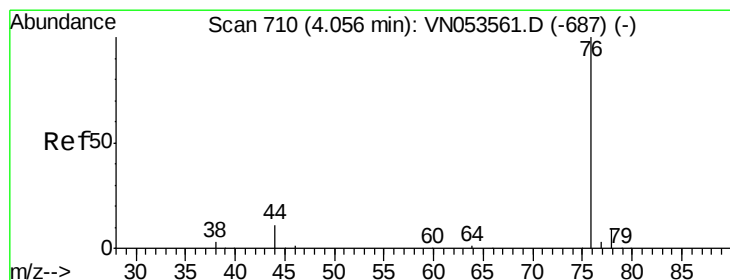
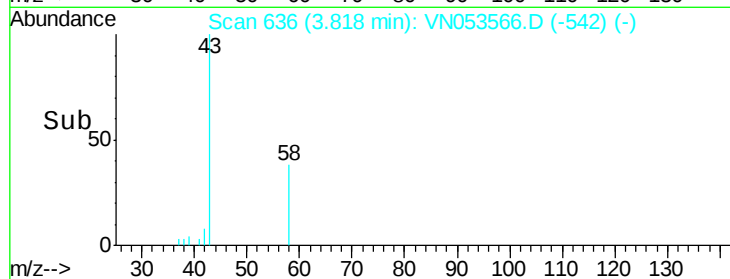
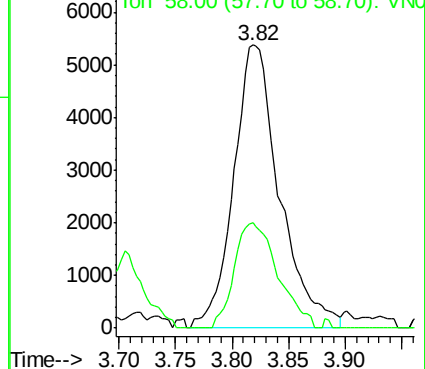
Ion Ratio Lower Upper

43 100

58 37.2 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053566.D (-542) (-)



#17

Carbon Disulfide

Concen: 0.261 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VN053566.D

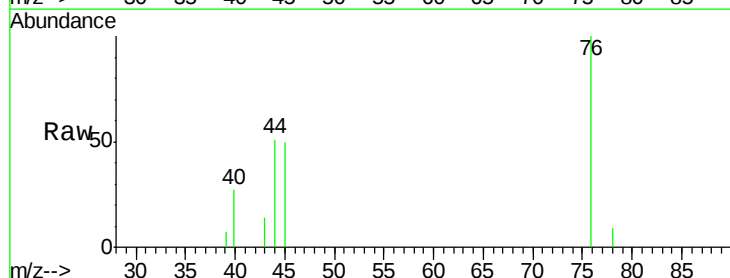
Acq: 30 Jan 2019 12:47

Tgt Ion: 76 Resp: 6392

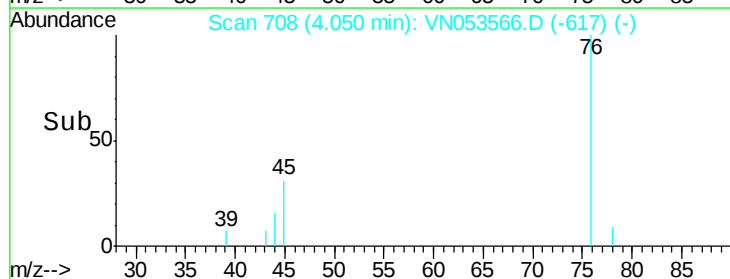
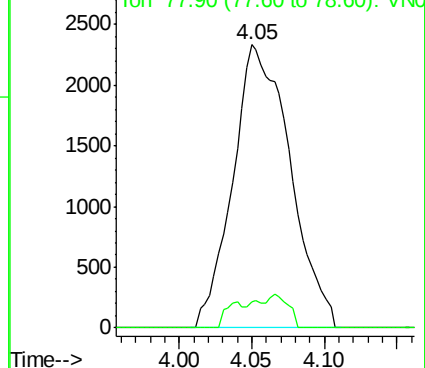
Ion Ratio Lower Upper

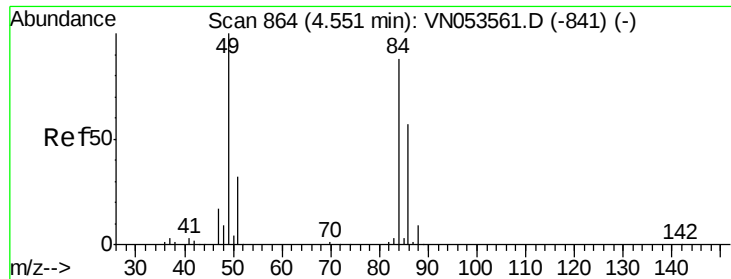
76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN053566.D (-617) (-)

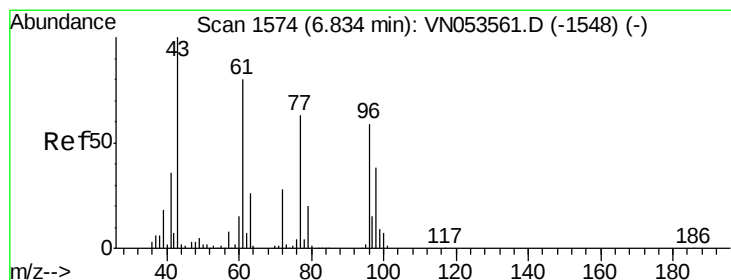
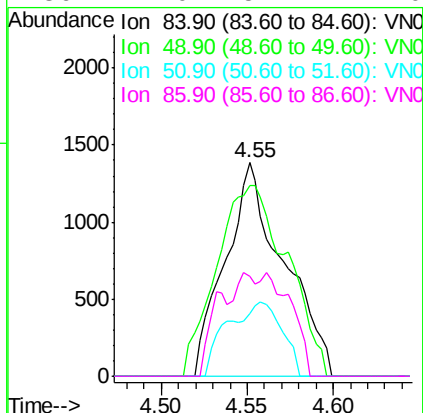
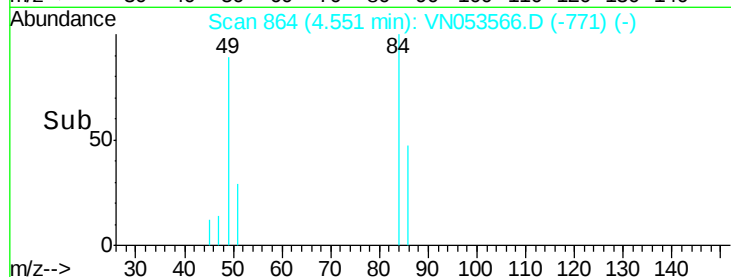
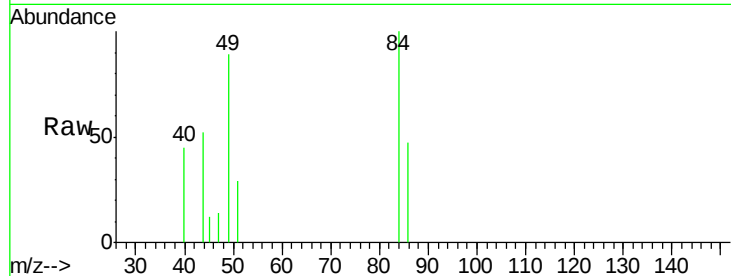




#20
Methvlene Chloride
Concen: 0.357 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053566.D
Acq: 30 Jan 2019 12:47

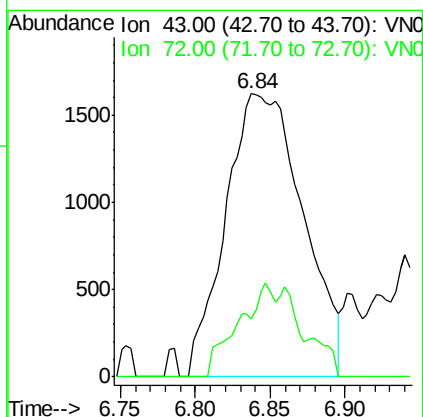
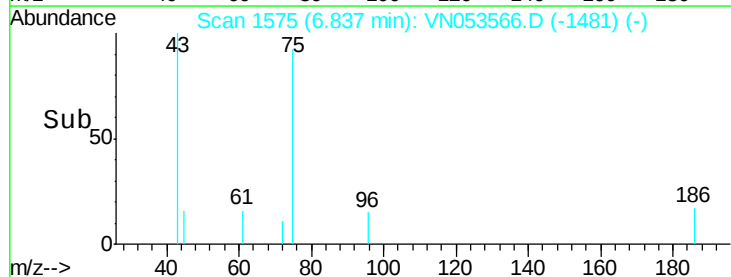
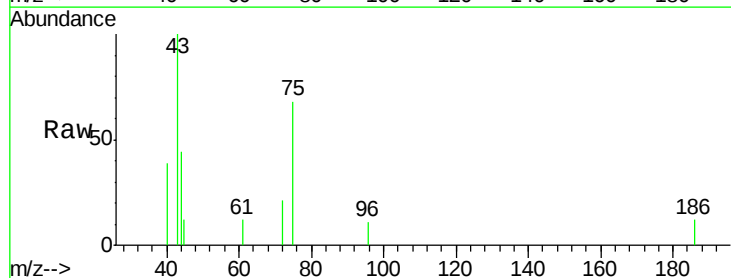
Instrument :
MSVOA_N
ClientSampleId :
DRUM-1-3

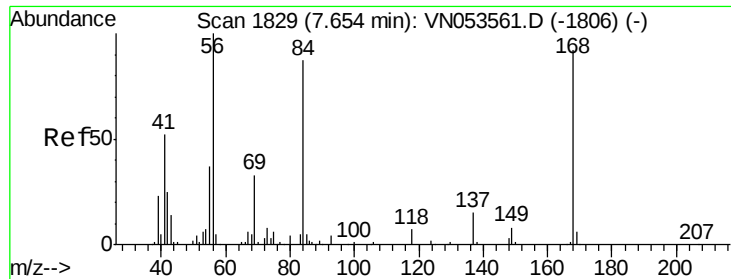
Tot Ion: 84 Resp: 3267
Ion Ratio Lower Upper
84 100
49 89.3 94.3 141.5#
51 29.4 29.4 44.2#
86 47.0 51.4 77.0#



#25
2-Butanone
Concen: 1.876 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053566.D
Acq: 30 Jan 2019 12:47

Tgt Ion: 43 Resp: 5844
Ion Ratio Lower Upper
43 100
72 20.7 22.0 33.0#





#31

Cyclohexane

Concen: 0.717 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN053566.D

Acq: 30 Jan 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

DRUM-1-3

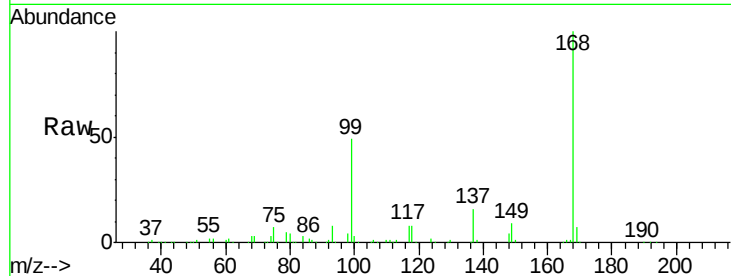
Tot Ion: 56 Resp: 12730

Ion Ratio Lower Upper

56 100

69 194.1 26.4 39.6#

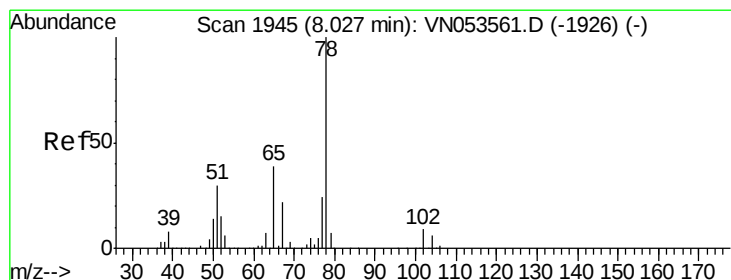
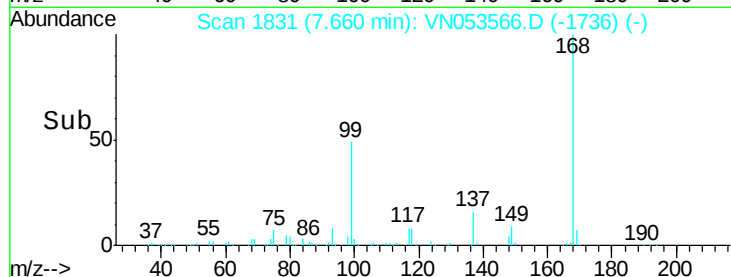
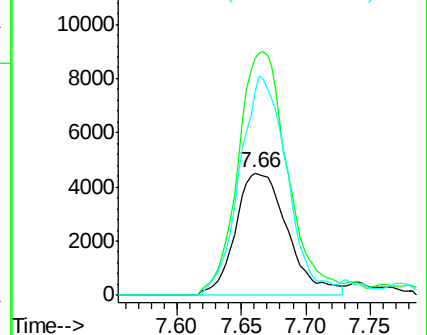
84 166.1 67.9 101.9#



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: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053566.D

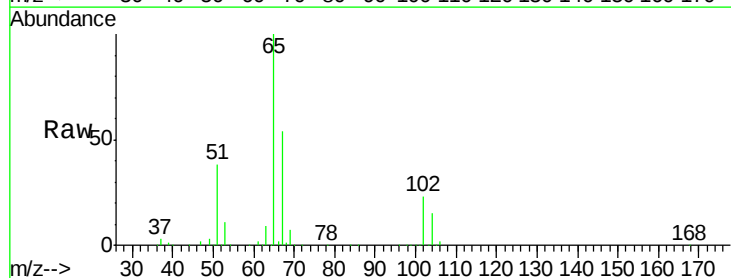
Acq: 30 Jan 2019 12:47

Tgt Ion: 65 Resp: 418763

Ion Ratio Lower Upper

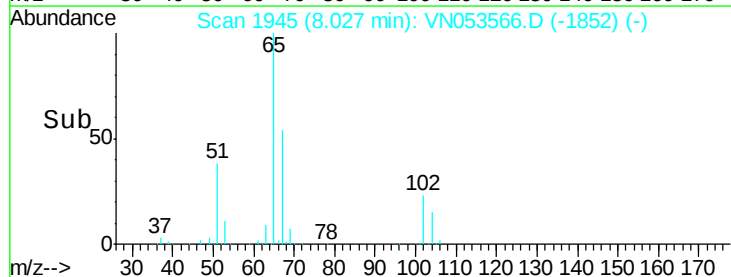
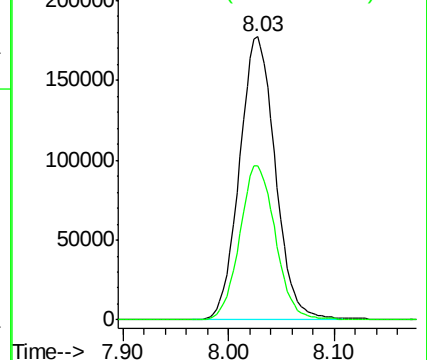
65 100

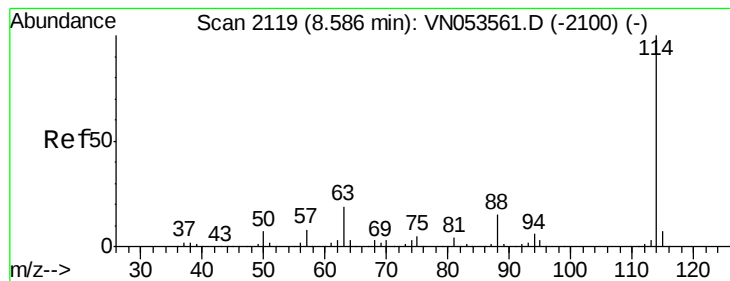
67 54.3 0.0 111.2



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: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053566.D

Acq: 30 Jan 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

DRUM-1-3

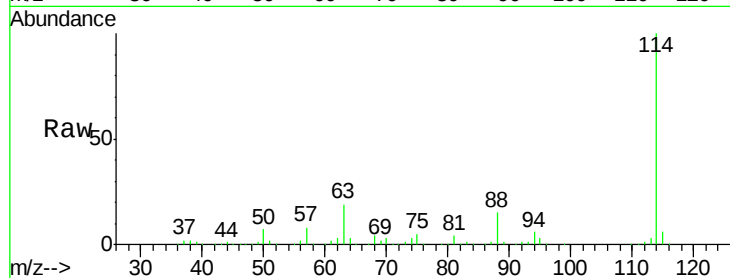
Tot Ion:114 Resp: 1333392

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

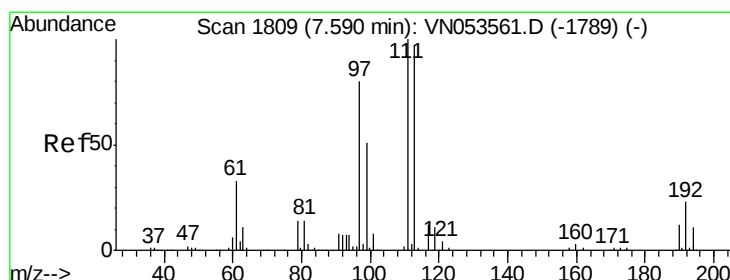
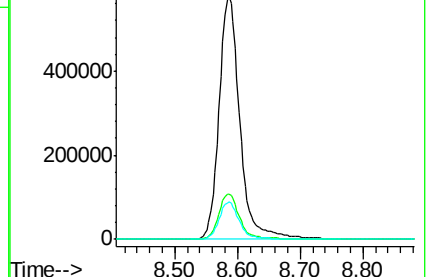
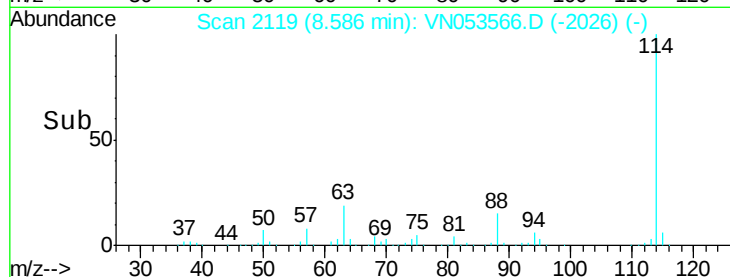
88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053566.D

Acq: 30 Jan 2019 12:47

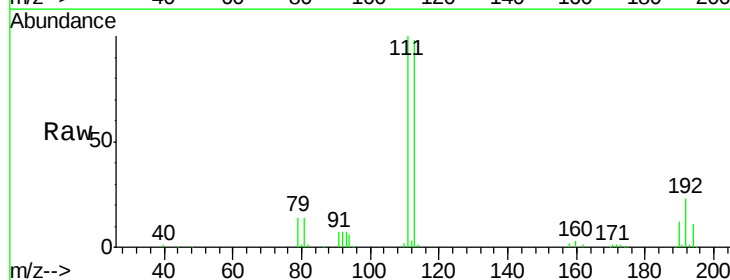
Tgt Ion:113 Resp: 414244

Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

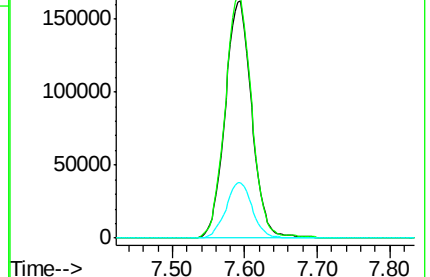
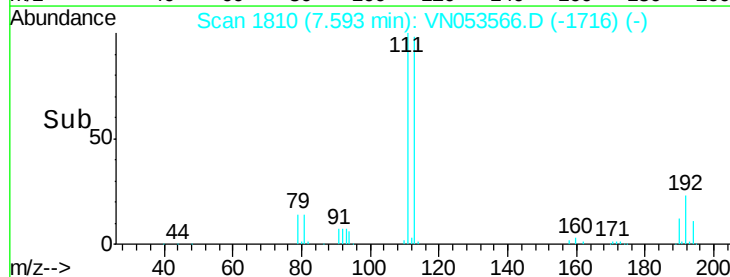
192 23.2 18.2 27.2

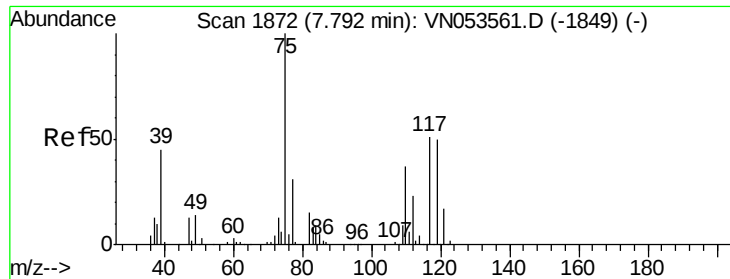


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

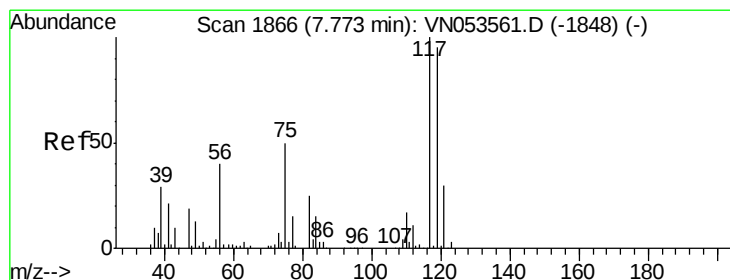
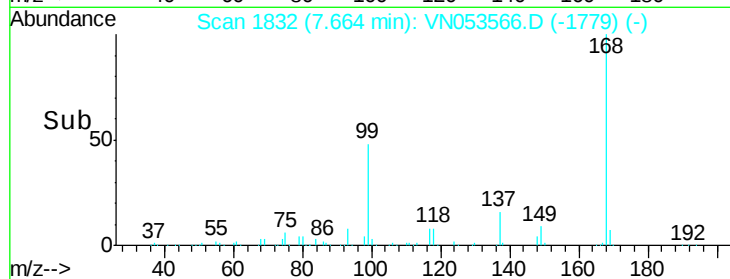
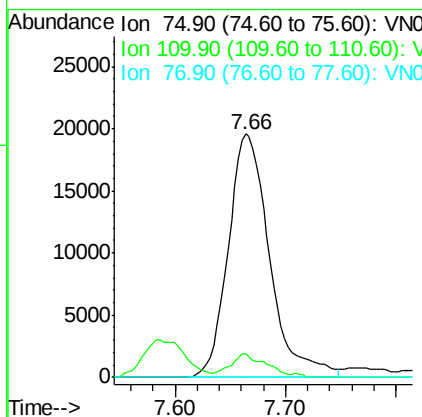
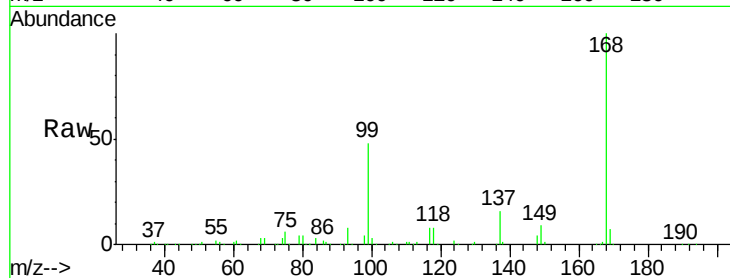




#36
 1,1-Dichloropropene
 Concen: 4.228 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053566.D
 Acq: 30 Jan 2019 12:47

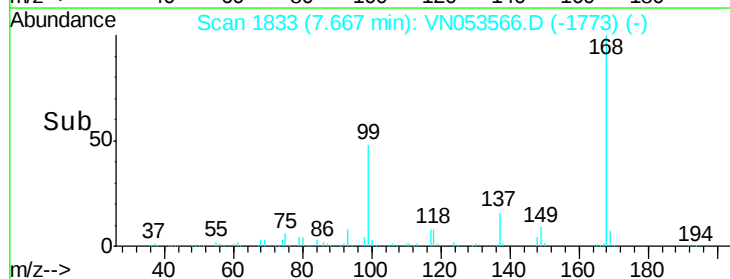
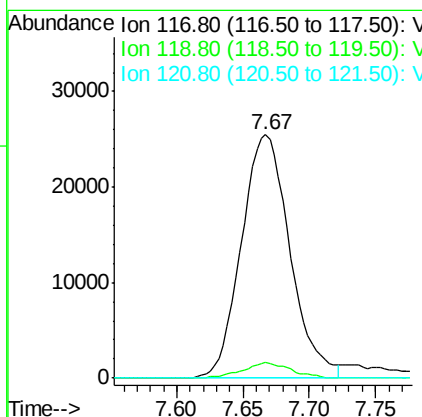
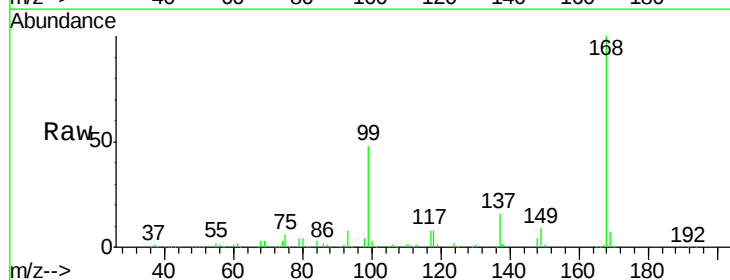
Instrument :
 MSVOA_N
 ClientSampled :
 DRUM-1-3

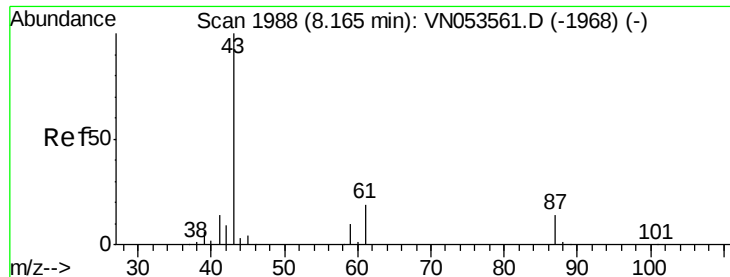
Tot Ion: 75 Resp: 50821
 Ion Ratio Lower Upper
 75 100
 110 6.6 18.1 54.3#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.372 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053566.D
 Acq: 30 Jan 2019 12:47

Tgt Ion: 117 Resp: 65048
 Ion Ratio Lower Upper
 117 100
 119 6.3 77.2 115.8#
 121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.617 ug/l

RT: 8.20 min Scan# 2000

Delta R.T. 0.04 min

Lab File: VN053566.D

Acq: 30 Jan 2019 12:47

Instrument :

MSVOA_N

ClientSampled :

DRUM-1-3

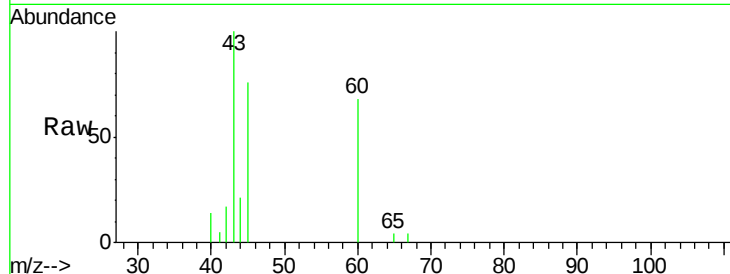
Tot Ion: 43 Resp: 8000

Ion Ratio Lower Upper

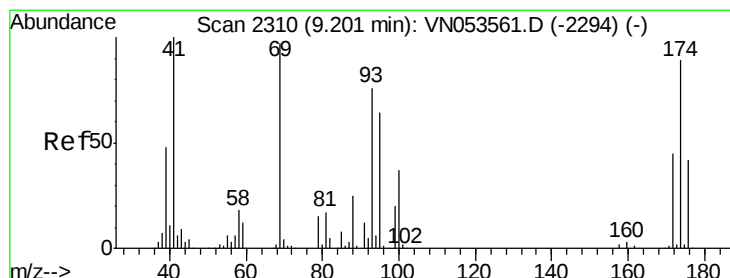
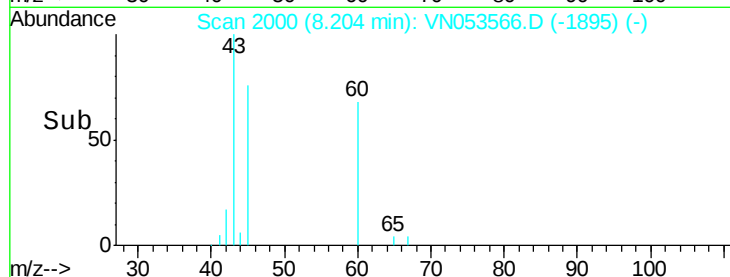
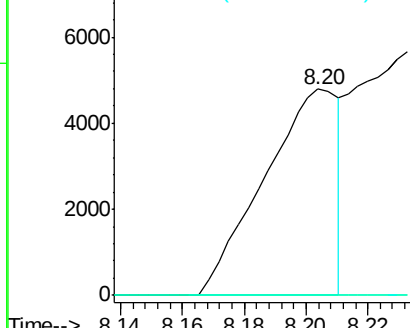
43 100

61 0.0 23.9 35.9#

87 0.0 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#49

1,4-Dioxane

Concen: 39.420 ug/l

RT: 9.23 min Scan# 2319

Delta R.T. 0.03 min

Lab File: VN053566.D

Acq: 30 Jan 2019 12:47

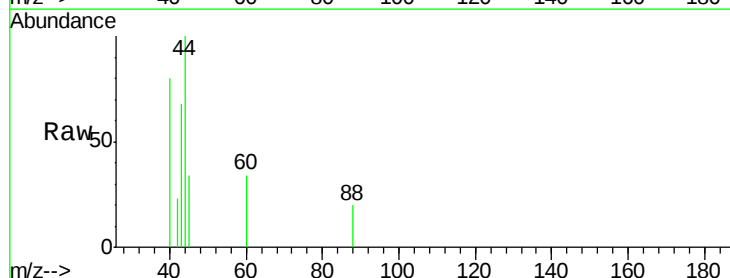
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

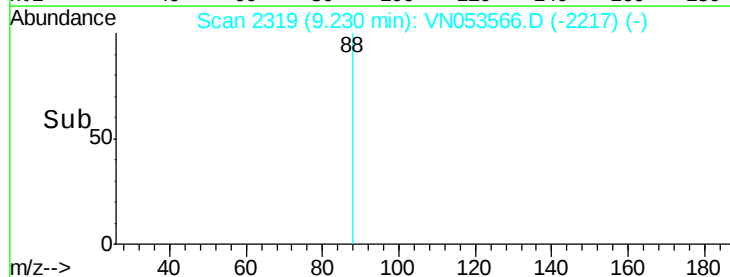
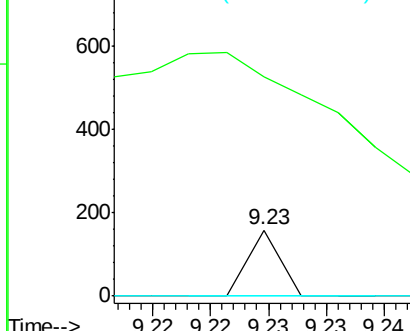
88 100

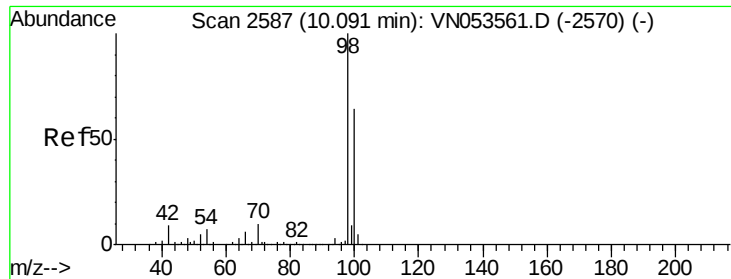
43 1403.3 27.8 41.6#

58 313.3 56.5 84.7#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

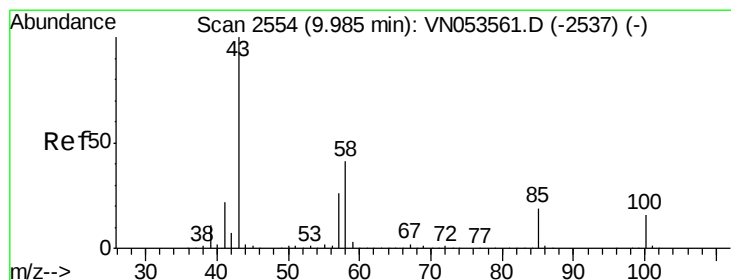
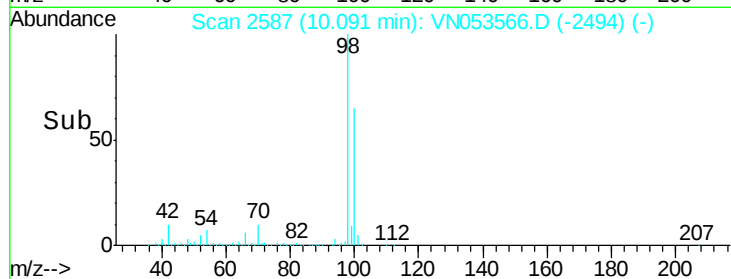
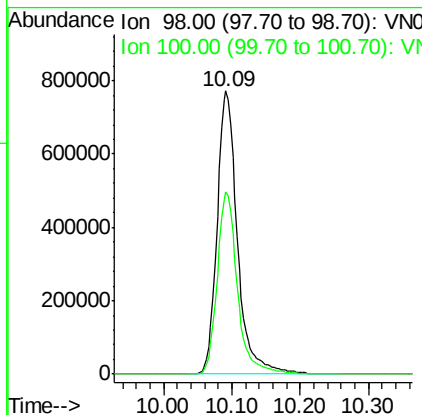
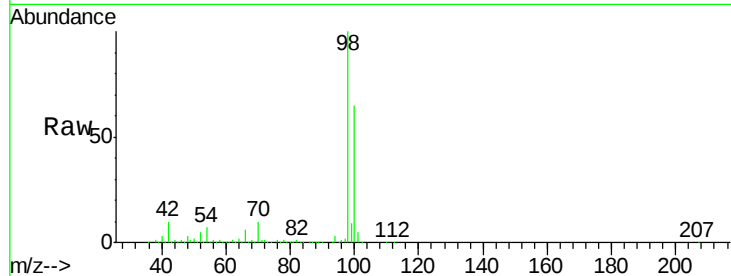




#50
Toluene-d8
Concen: 39.420 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053566.D
Acq: 30 Jan 2019 12:47

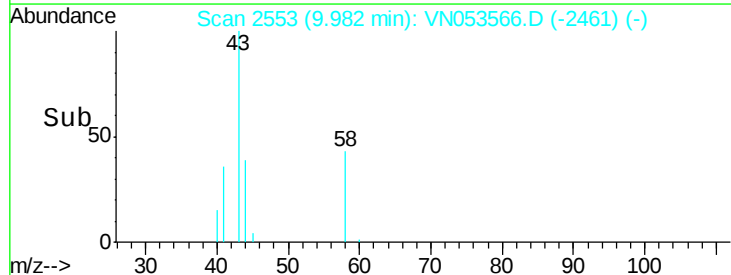
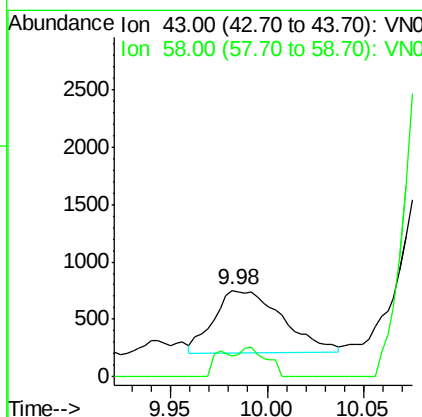
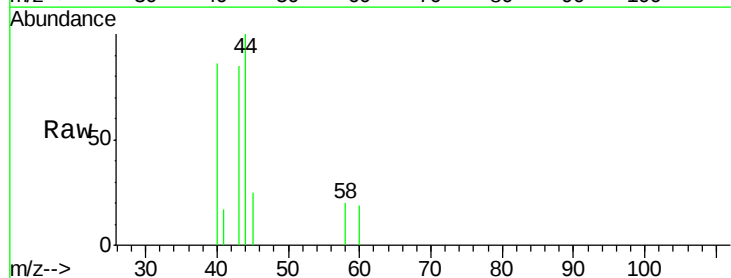
Instrument :
MSVOA_N
ClientSampleId :
DRUM-1-3

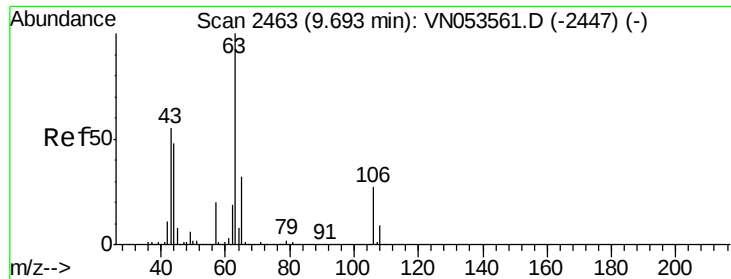
Tot Ion: 98 Resp: 1596156
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.207 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053566.D
Acq: 30 Jan 2019 12:47

Tgt Ion: 43 Resp: 1320
Ion Ratio Lower Upper
43 100
58 0.0 32.8 49.2#

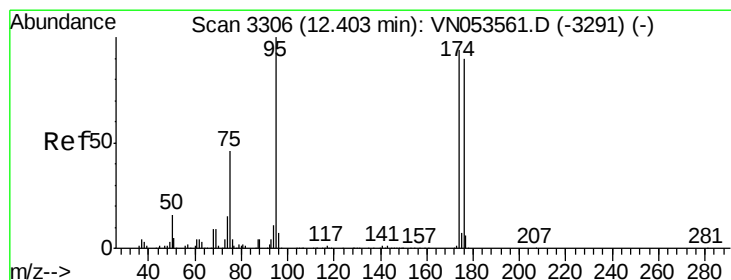
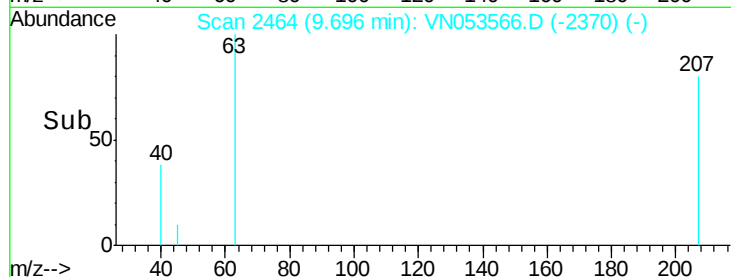
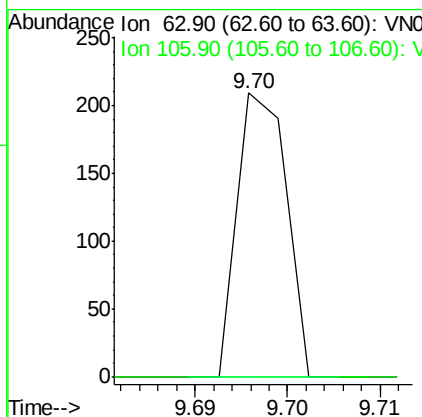
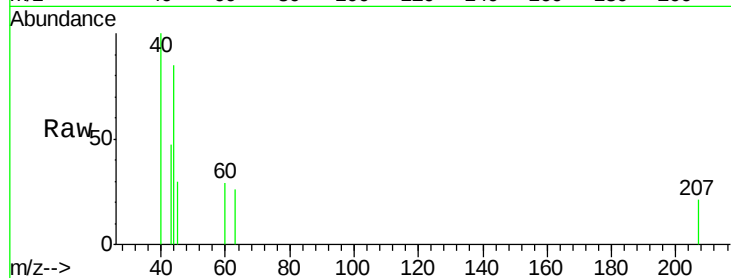




#58
 2-Chloroethyl Vinyl ether
 Concen: 8.022 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053566.D
 Acq: 30 Jan 2019 12:47

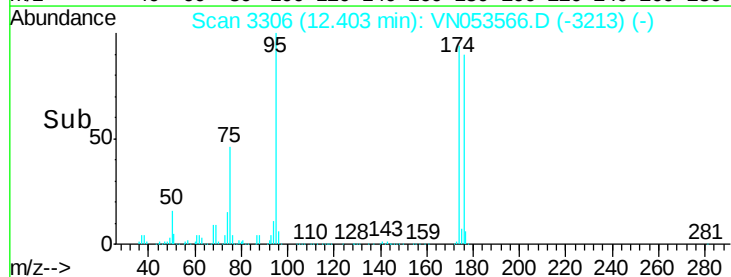
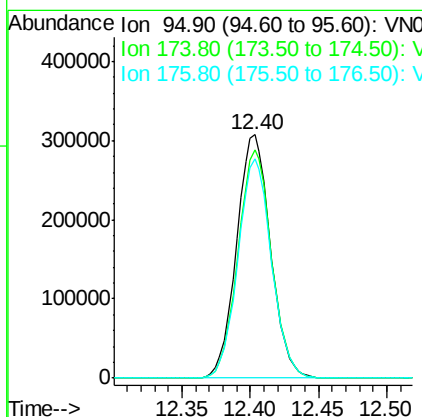
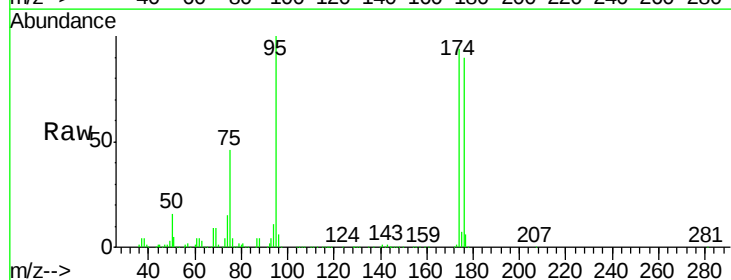
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-1-3

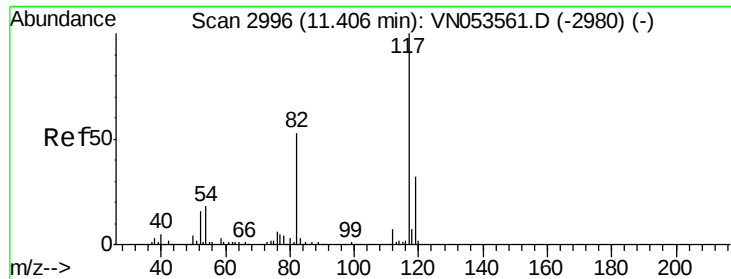
Tot Ion: 63 Resp: 77
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.5 32.3#



#62
 4-Bromofluorobenzene
 Concen: Below ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053566.D
 Acq: 30 Jan 2019 12:47

Tgt Ion: 95 Resp: 529610
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 183.2
 176 89.0 0.0 177.4

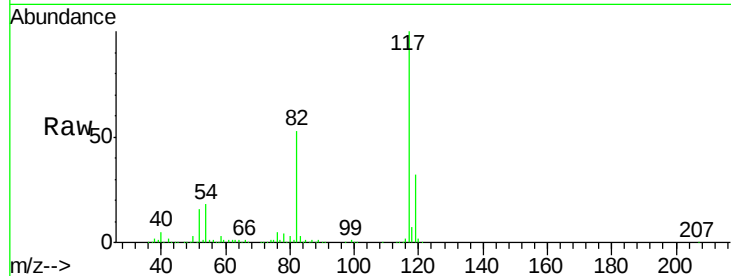




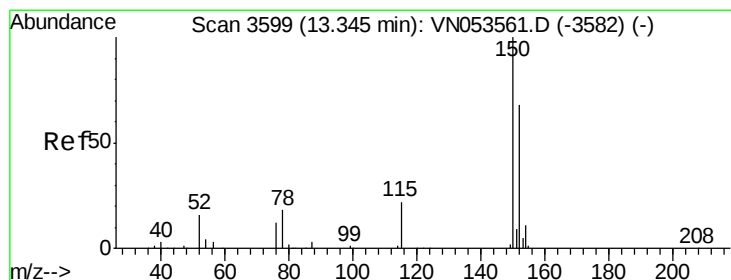
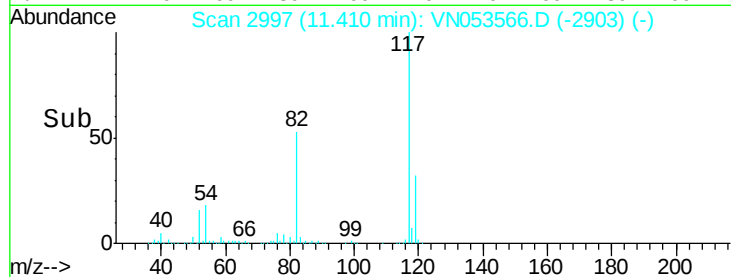
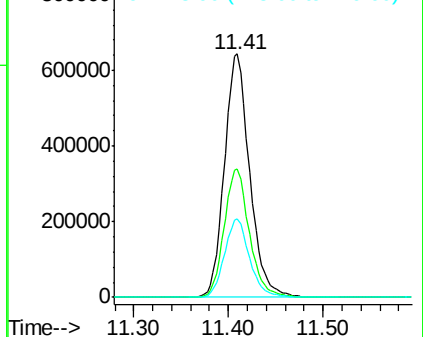
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053566.D
Acq: 30 Jan 2019 12:47

Instrument :
MSVOA_N
ClientSampleId :
DRUM-1-3

Tot Ion:117 Resp: 1190312
Ion Ratio Lower Upper
117 100
82 52.5 42.9 64.3
119 32.0 26.0 39.0

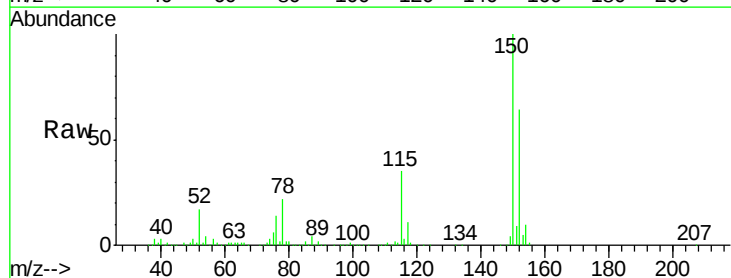


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

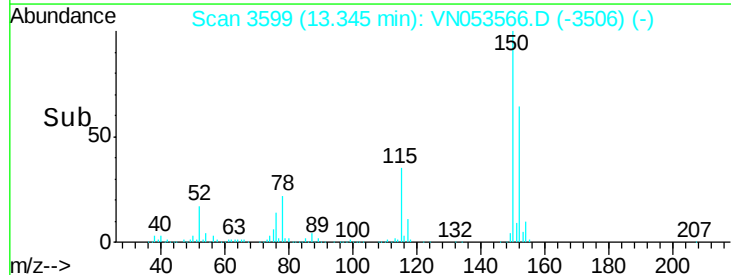
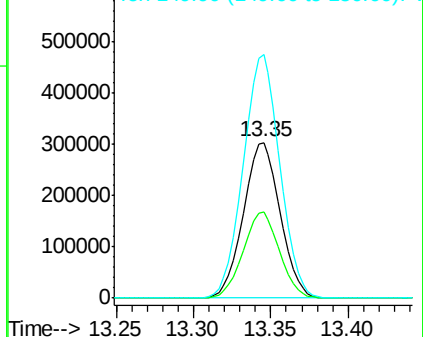


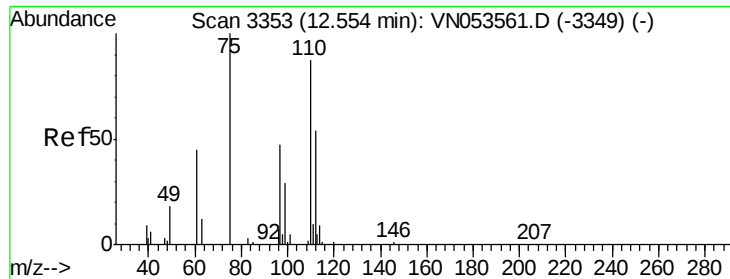
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053566.D
Acq: 30 Jan 2019 12:47

Tgt Ion:152 Resp: 500434
Ion Ratio Lower Upper
152 100
115 54.7 27.8 83.4
150 156.3 0.0 349.0



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: 37.709 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053566.D

Acq: 30 Jan 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

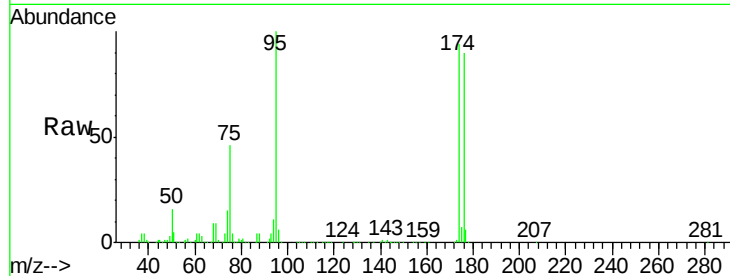
DRUM-1-3

Tot Ion: 75 Resp: 242385

Ion Ratio Lower Upper

75 100

77 1.2 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

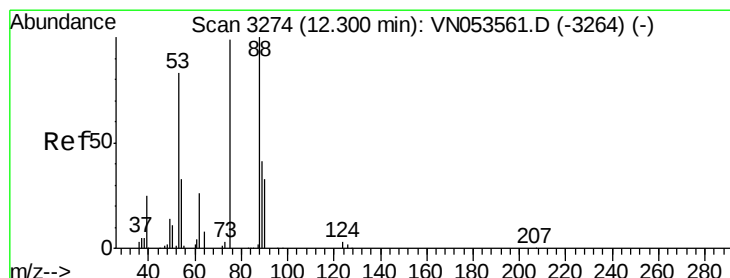
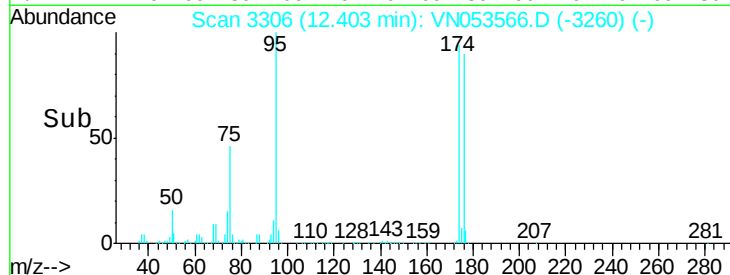
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 106.035 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053566.D

Acq: 30 Jan 2019 12:47

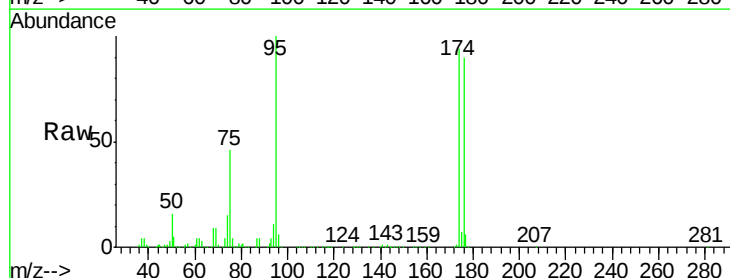
Tgt Ion: 75 Resp: 242385

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#



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

12.40

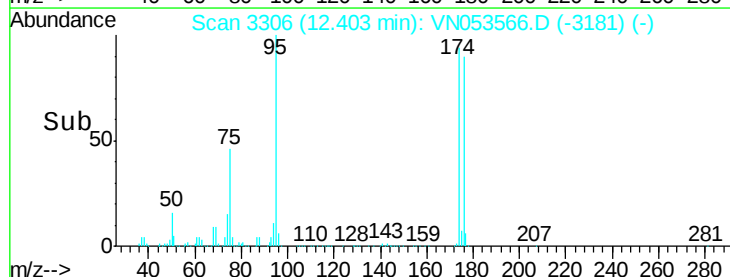
150000

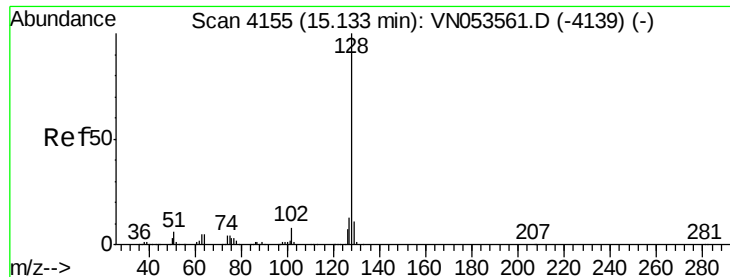
100000

50000

0

Time-->





#95

Naphthalene

Concen: 1.956 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053566.D

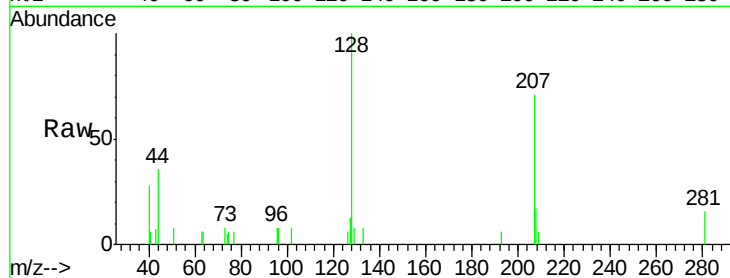
Acq: 30 Jan 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

DRUM-1-3



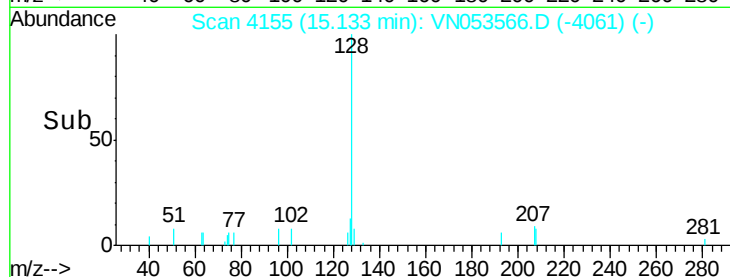
Tot Ion:128 Resp: 5014

Ion Ratio Lower Upper

128 100

127 9.3 10.3 15.5#

129 4.8 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

