

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053474.D
 Acq On : 18 Jan 2019 16:10
 Operator : JC/SP
 Sample : K1200-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 WS-1

Quant Time: Jan 19 00:22:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	881112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1370661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1288233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	588210	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	448787	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
35) Dibromofluoromethane	7.59	113	404028	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	10.09	98	1701067	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.40	95	594568	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	

Target Compounds

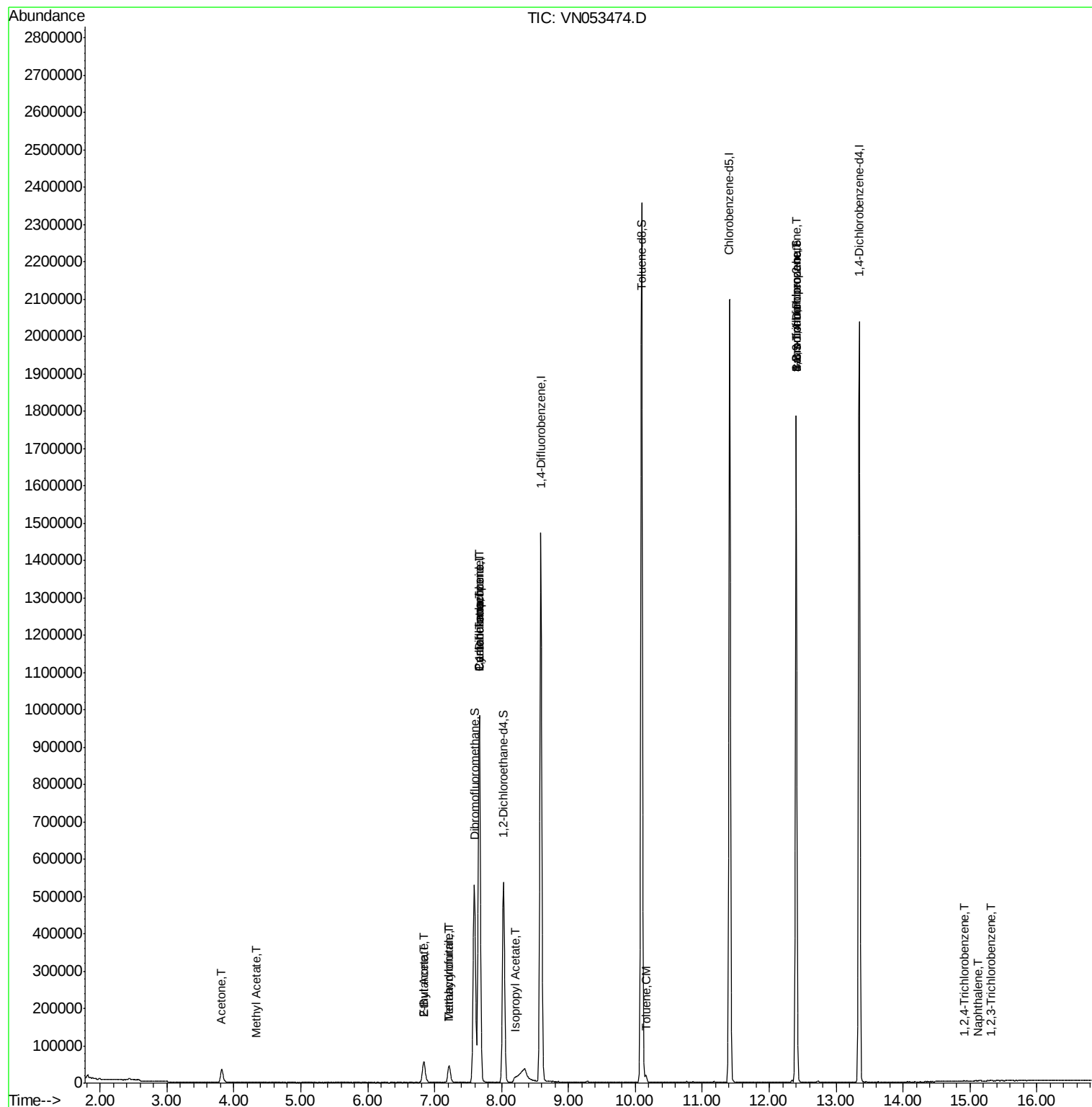
						Qvalue
16) Acetone	3.82	43	63376	31.017	ug/l	97
18) Methyl Acetate	4.34	43	1929	0.280	ug/l #	58
25) 2-Butanone	6.84	43	102923	32.687	ug/l	98
29) Tetrahydrofuran	7.22	42	39862	19.447	ug/l	99
31) Cyclohexane	7.67	56	14321	0.715	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	57200	4.582	ug/l #	49
37) Ethyl Acetate	6.84	43	102923	14.331	ug/l #	68
38) Carbon Tetrachloride	7.67	117	74981	6.345	ug/l #	16
41) Methacrylonitrile	7.22	41	23179	6.027	ug/l #	40
43) Isopropyl Acetate	8.19	43	8025	0.621	ug/l #	51
52) Toluene	10.16	92	7044	0.299	ug/l	99
71) Bromoform	12.41	173	4174	0.639	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	278716	35.956	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	278716	88.920	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	359	2.808	ug/l #	74
95) Naphthalene	15.13	128	1239	4.019	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	187	3.933	ug/l #	43

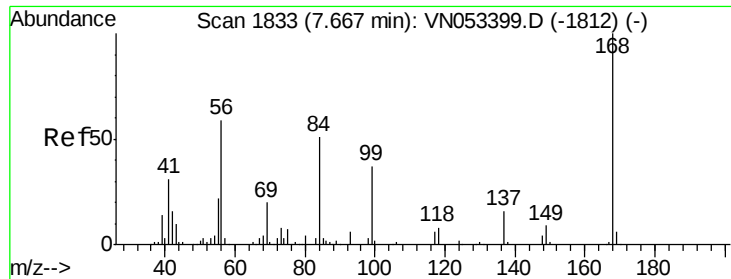
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
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: VN053474.D

Acq: 18 Jan 2019 16:10

Instrument :

MSVOA_N

ClientSampled :

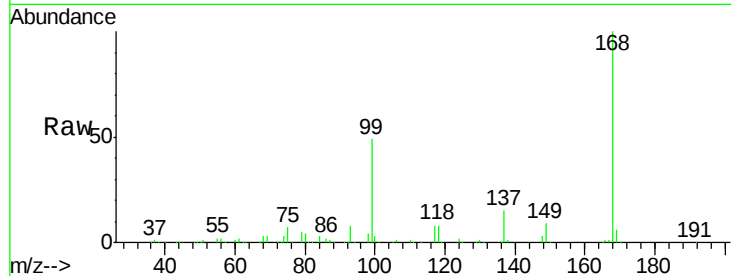
WS-1

Tot Ion:168 Resp: 881112

Ion Ratio Lower Upper

168 100

99 49.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053399.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN053399.D (-1812) (-)

7.67

400000

300000

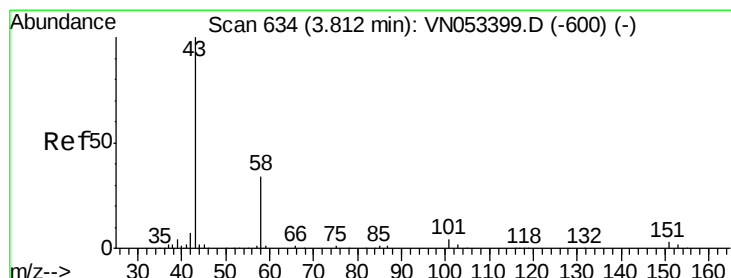
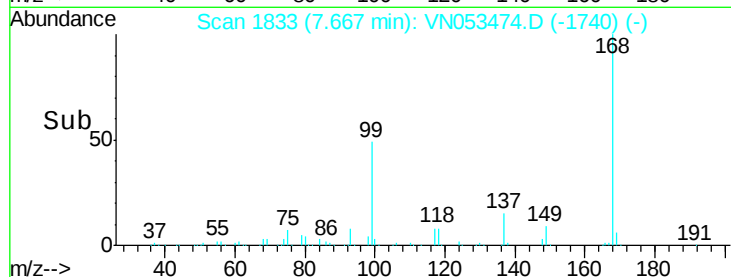
200000

100000

0

Time-->

7.60 7.70 7.80



#16

Acetone

Concen: 31.017 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053474.D

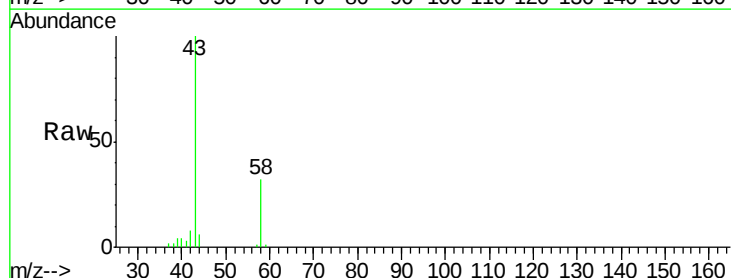
Acq: 18 Jan 2019 16:10

Tgt Ion: 43 Resp: 63376

Ion Ratio Lower Upper

43 100

58 32.1 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-600) (-)

3.82

25000

20000

15000

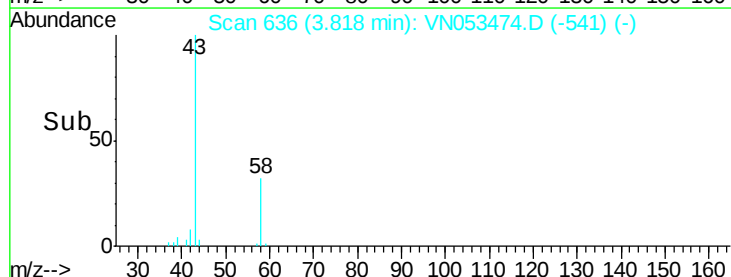
10000

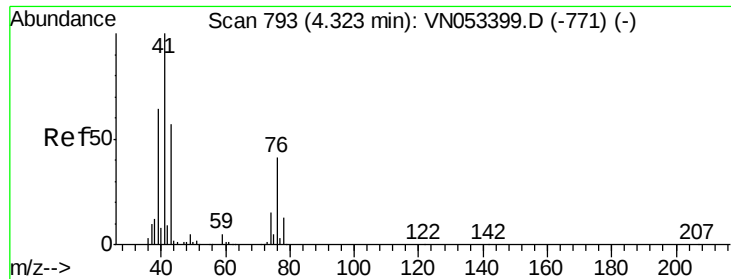
5000

0

Time-->

3.70 3.80 3.90

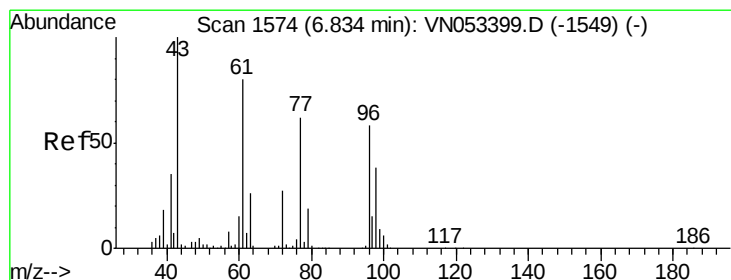
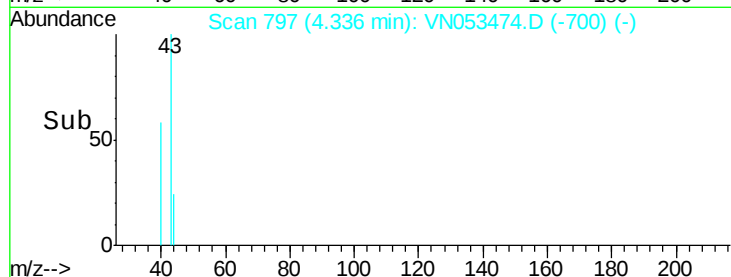
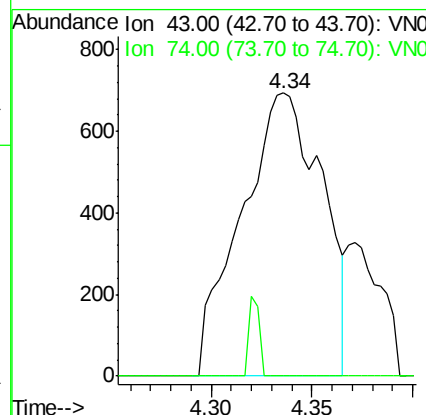
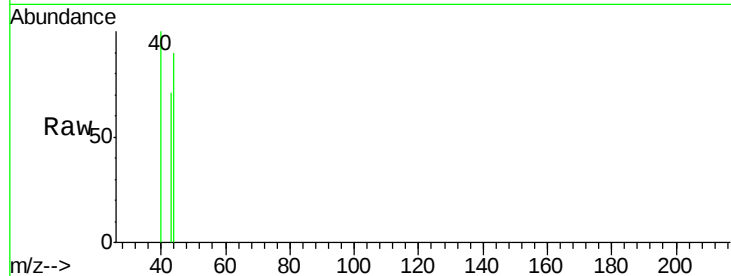




#18
Methvl Acetate
Concen: 0.280 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN053474.D
Acq: 18 Jan 2019 16:10

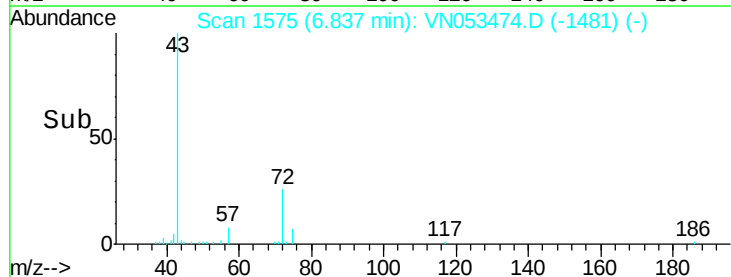
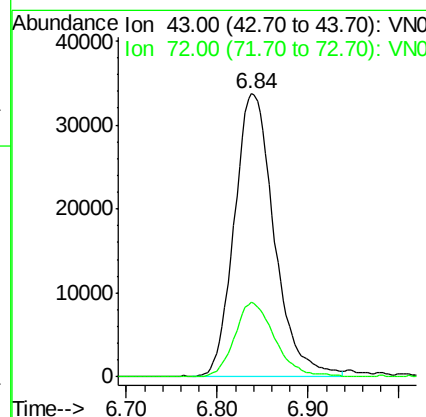
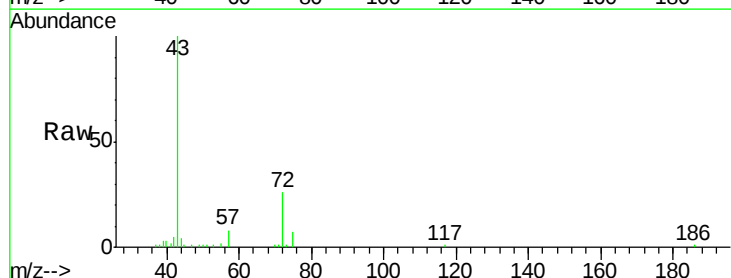
Instrument :
MSVOA_N
ClientSampled :
WS-1

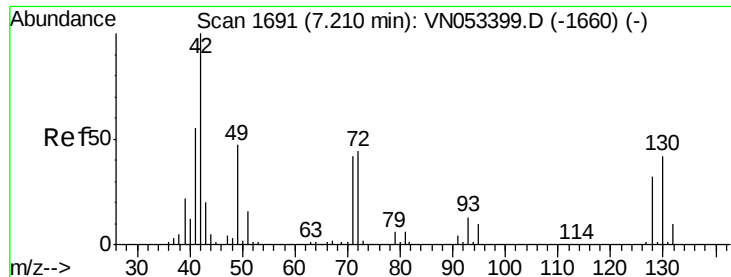
Tot Ion: 43 Resp: 1929
Ion Ratio Lower Upper
43 100
74 3.6 19.4 29.2#



#25
2-Butanone
Concen: 32.687 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053474.D
Acq: 18 Jan 2019 16:10

Tgt Ion: 43 Resp: 102923
Ion Ratio Lower Upper
43 100
72 26.3 22.0 33.0





#29

Tetrahydrofuran

Concen: 19.447 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

WS-1

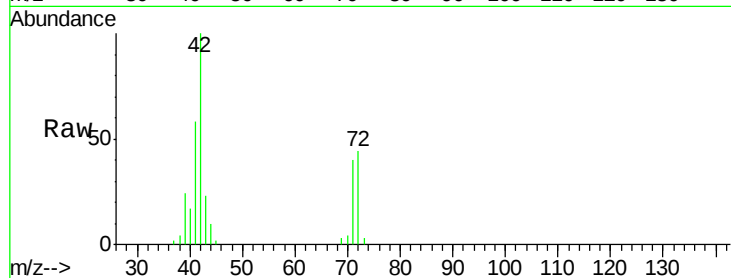
Tot Ion: 42 Resp: 39862

Ion Ratio Lower Upper

42 100

72 44.7 35.2 52.8

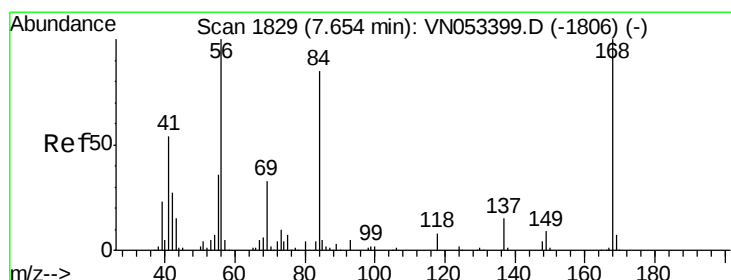
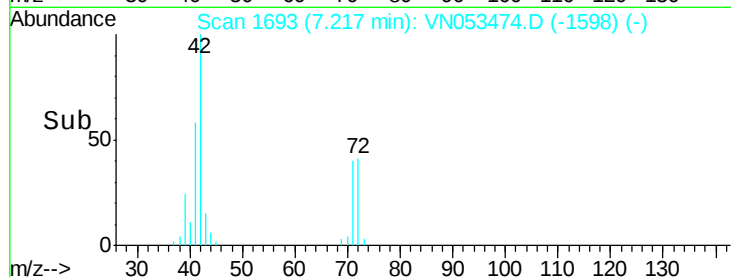
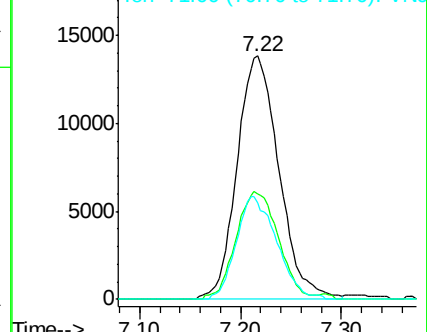
71 41.0 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.715 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

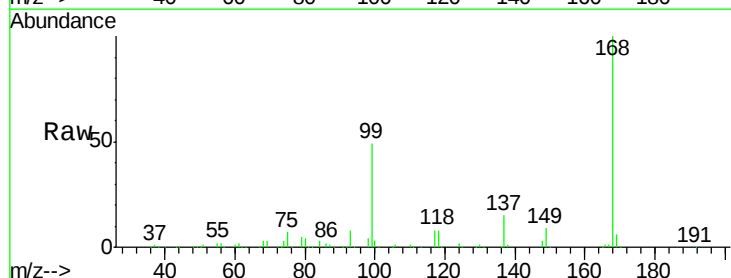
Tgt Ion: 56 Resp: 14321

Ion Ratio Lower Upper

56 100

69 208.3 26.4 39.6#

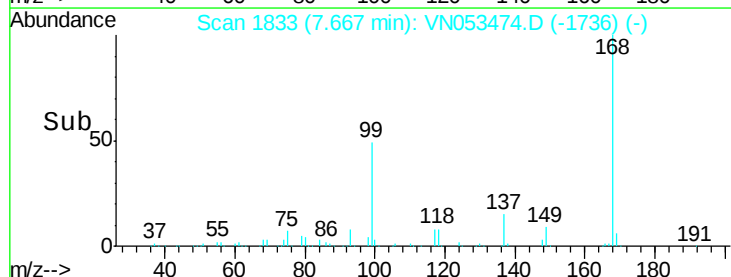
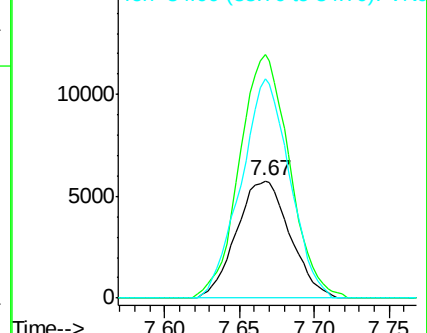
84 188.1 67.9 101.9#

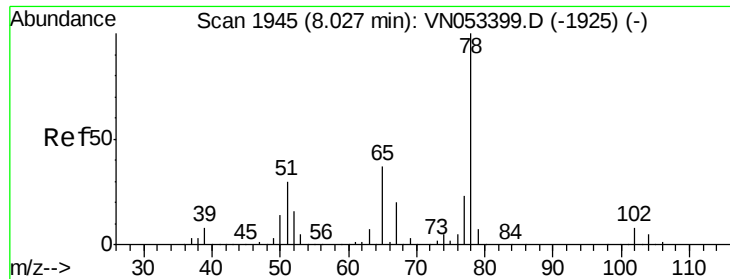


Abundance Ion 56.00 (55.70 to 56.70): VN0

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# 1946

Delta R.T. 0.00 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

Instrument :

MSVOA_N

ClientSampled :

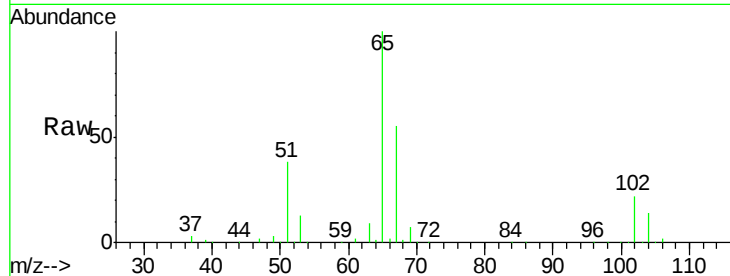
WS-1

Tot Ion: 65 Resp: 448787

Ion Ratio Lower Upper

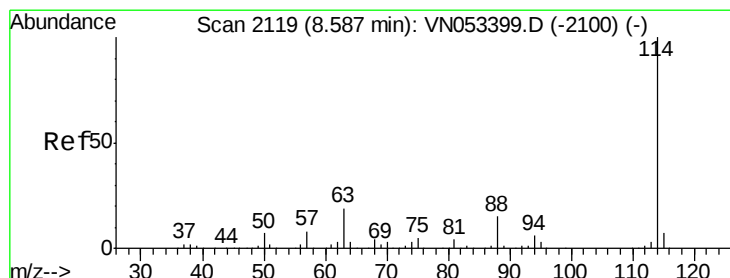
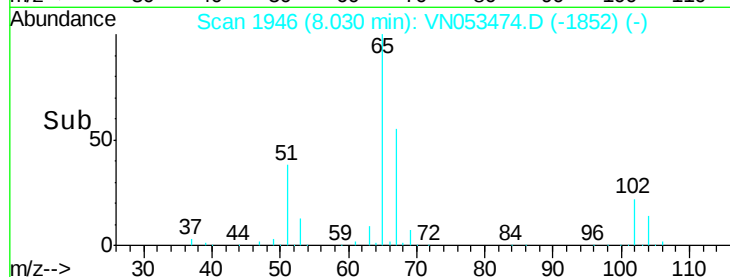
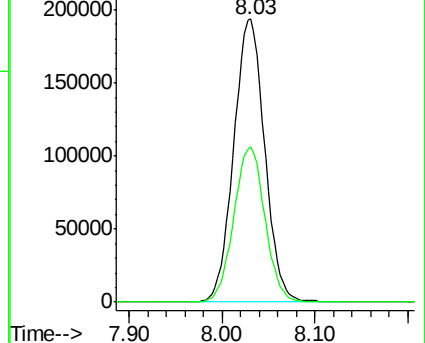
65 100

67 55.0 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

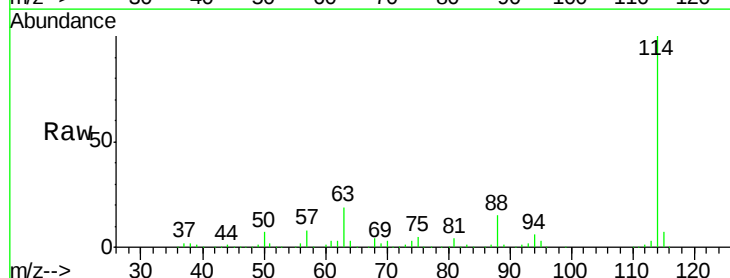
Tgt Ion: 114 Resp: 1370661

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

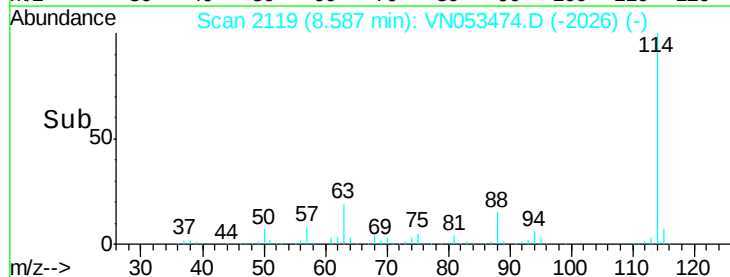
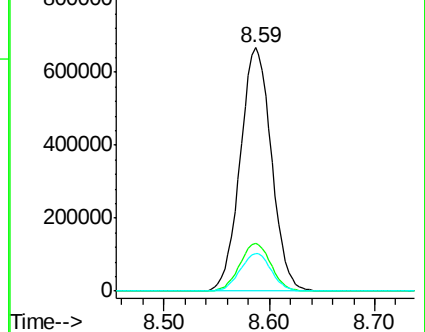
88 15.4 0.0 30.4

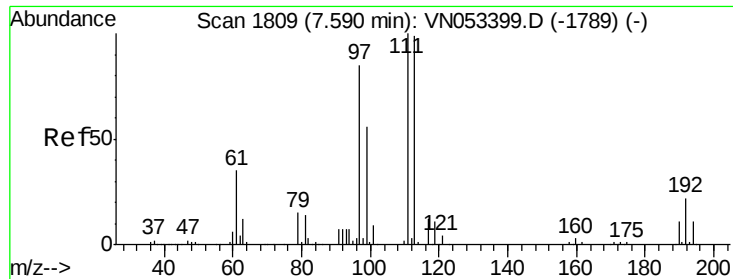


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VNO

Ion 87.90 (87.60 to 88.60): VNO





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

Instrument :
MSVOA_N
ClientSampled :
WS-1

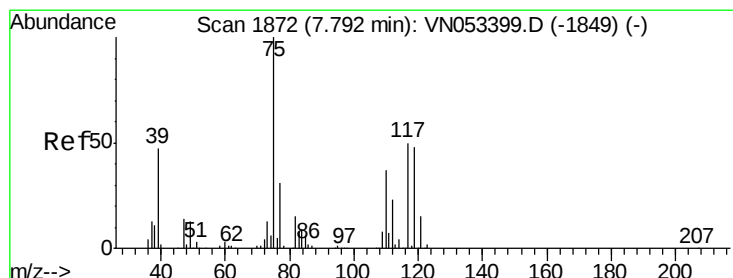
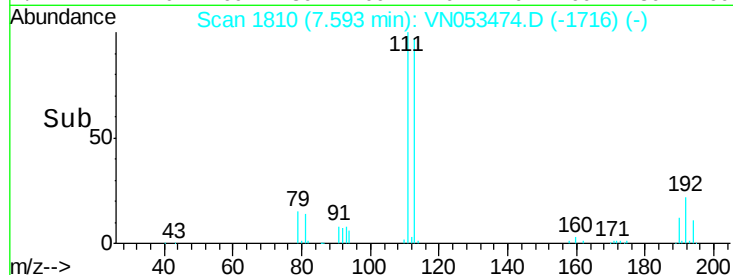
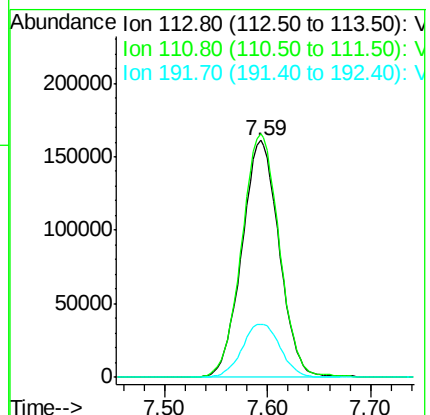
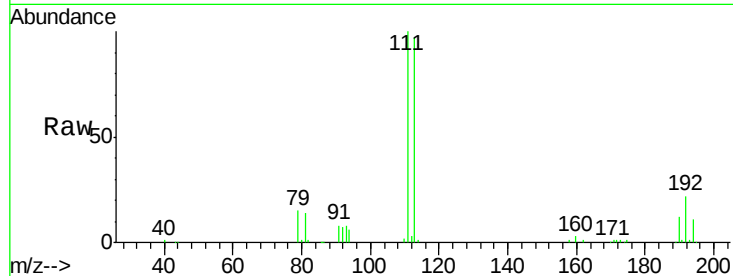
Tot Ion:113 Resp: 404028

Ion Ratio Lower Upper

113 100

111 104.0 81.1 121.7

192 23.2 18.2 27.2



#36

1,1-Dichloropropene

Concen: 4.582 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

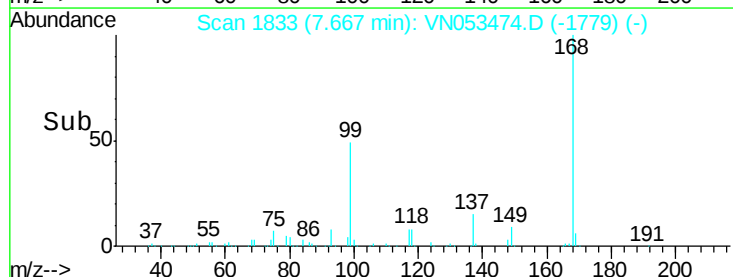
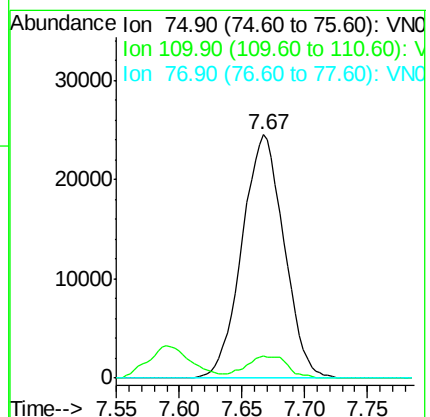
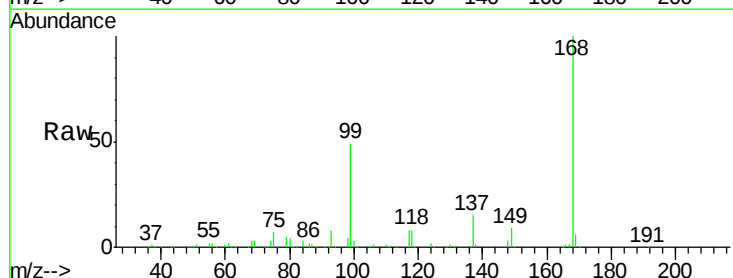
Tgt Ion: 75 Resp: 57200

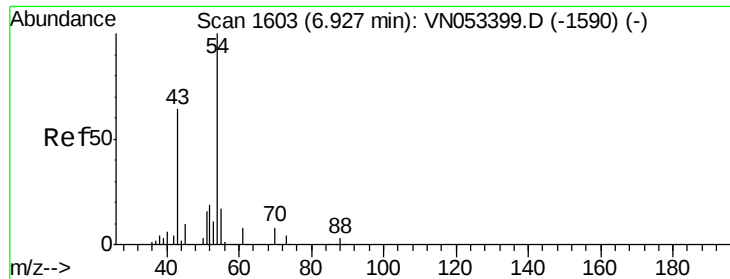
Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.3#

77 0.0 25.1 37.7#

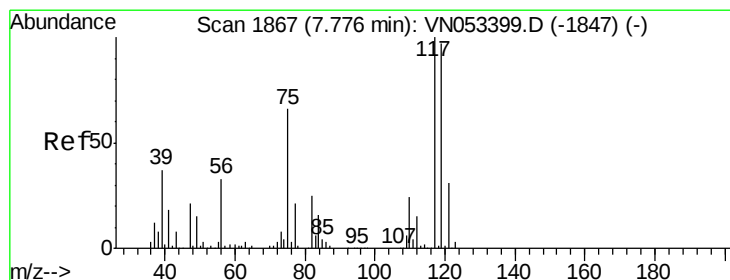
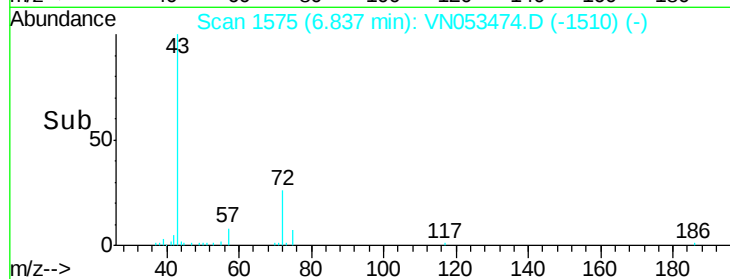
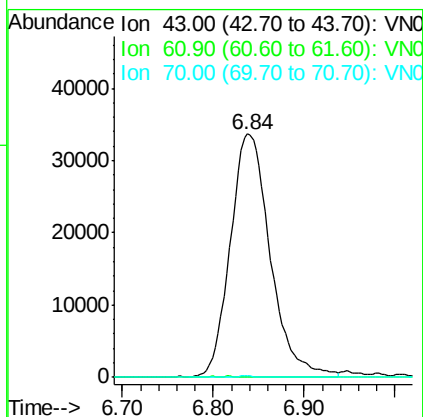
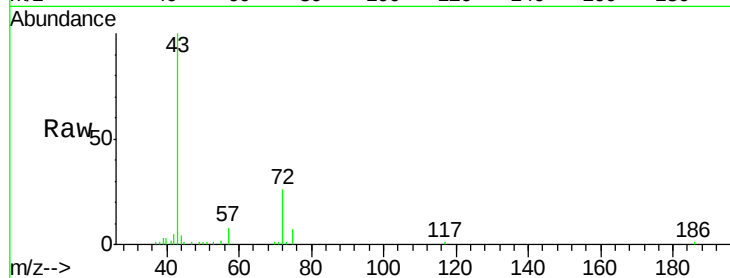




#37
Ethyl Acetate
Concen: 14.331 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.09 min
Lab File: VN053474.D
Acq: 18 Jan 2019 16:10

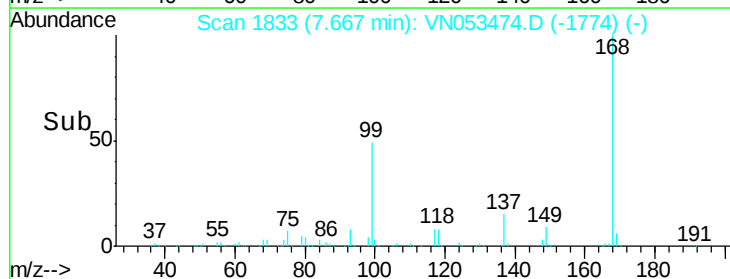
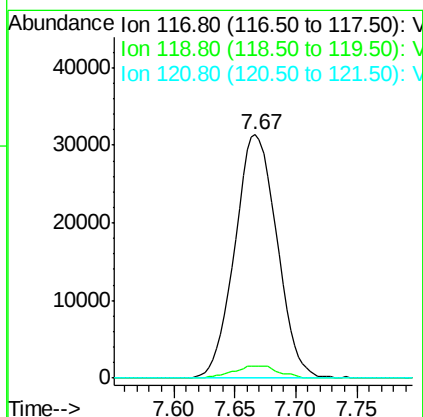
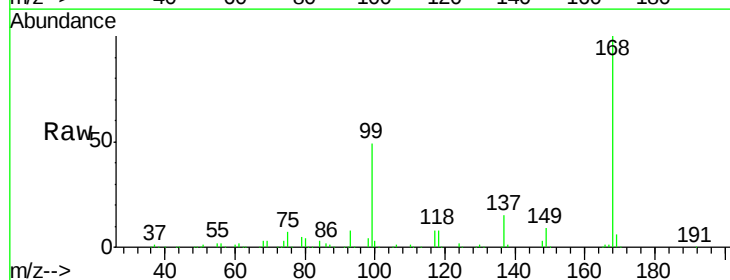
Instrument :
MSVOA_N
ClientSampleId :
WS-1

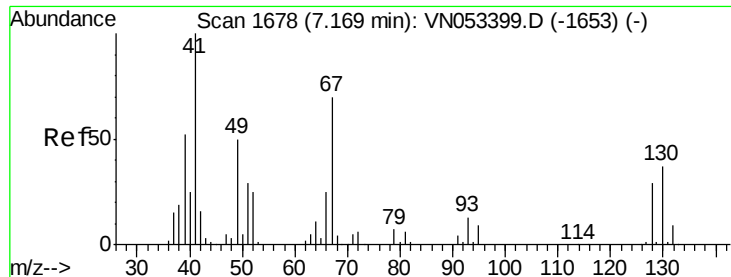
Tot Ion: 43 Resp: 102923
Ion Ratio Lower Upper
43 100
61 0.1 11.8 17.6#
70 0.2 8.6 12.8#



#38
Carbon Tetrachloride
Concen: 6.345 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053474.D
Acq: 18 Jan 2019 16:10

Tgt Ion: 117 Resp: 74981
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 24.6 37.0#





#41

Methacrylonitrile

Concen: 6.027 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.05 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

Instrument :

MSVOA_N

ClientSampled :

WS-1

Tot Ion: 41 Resp: 23179

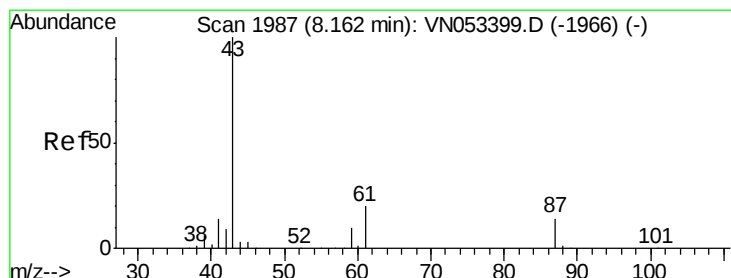
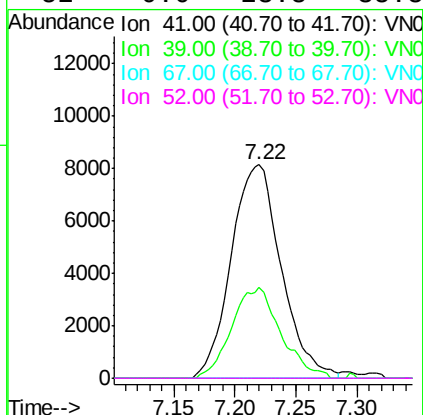
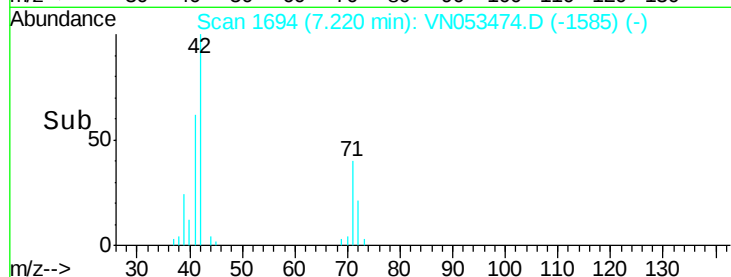
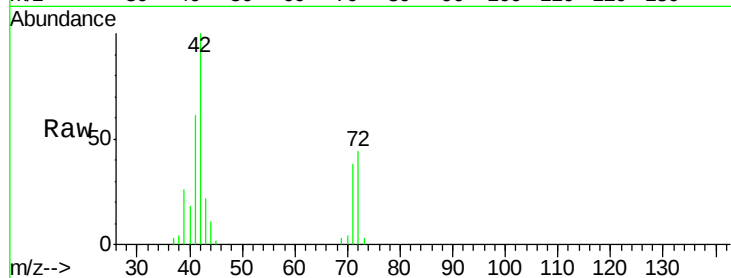
Ion Ratio Lower Upper

41 100

39 41.5 46.8 70.2#

67 0.0 63.0 94.6#

52 0.0 23.8 35.8#



#43

Isopropyl Acetate

Concen: 0.621 ug/l

RT: 8.19 min Scan# 1997

Delta R.T. 0.03 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

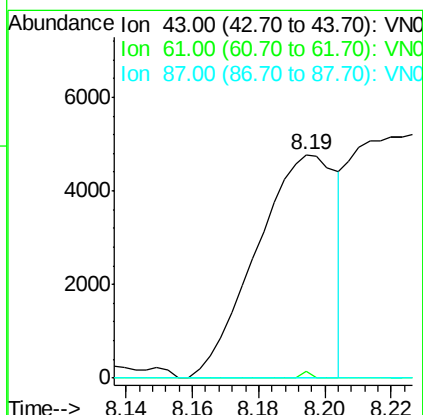
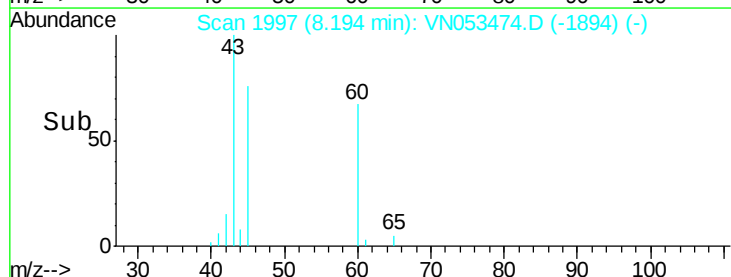
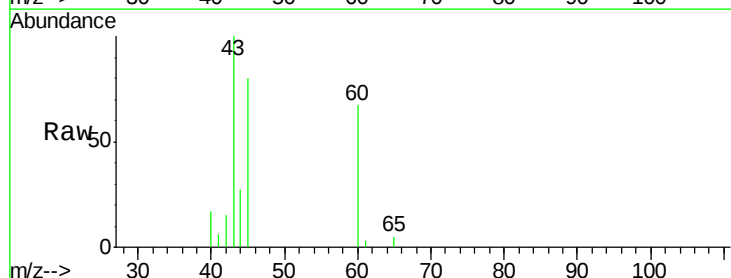
Tgt Ion: 43 Resp: 8025

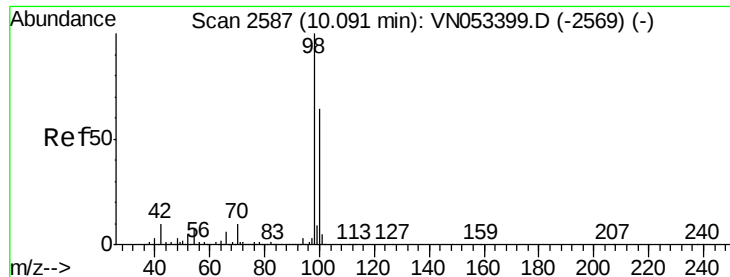
Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

87 0.0 11.0 16.6#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

Instrument :

MSVOA_N

ClientSampled :

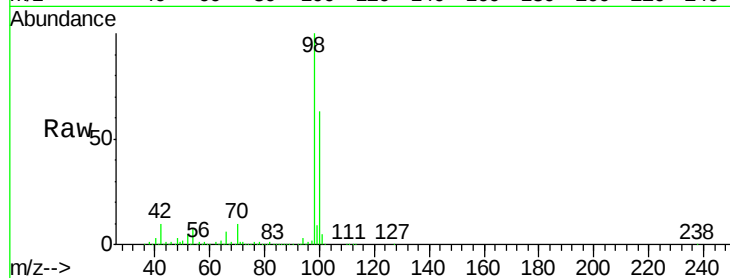
WS-1

Tot Ion: 98 Resp: 1701067

Ion Ratio Lower Upper

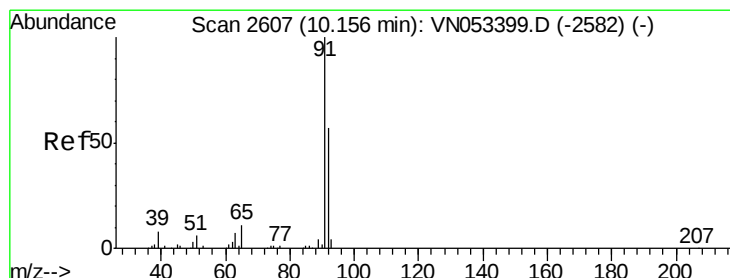
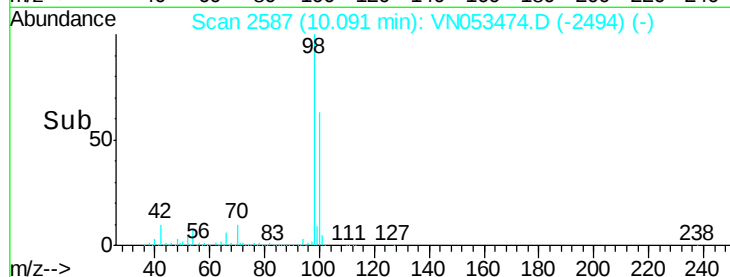
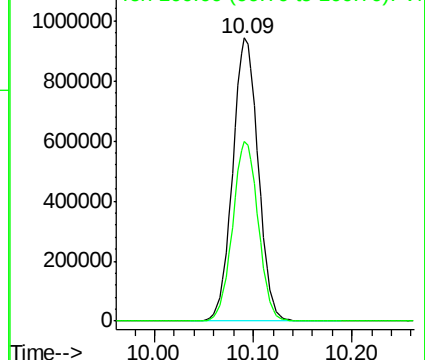
98 100

100 63.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

Toluene

Concen: 0.299 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053474.D

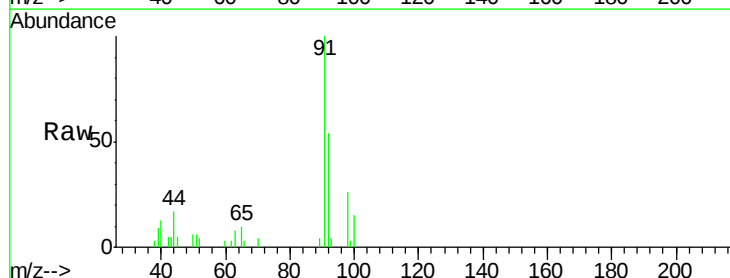
Acq: 18 Jan 2019 16:10

Tgt Ion: 92 Resp: 7044

Ion Ratio Lower Upper

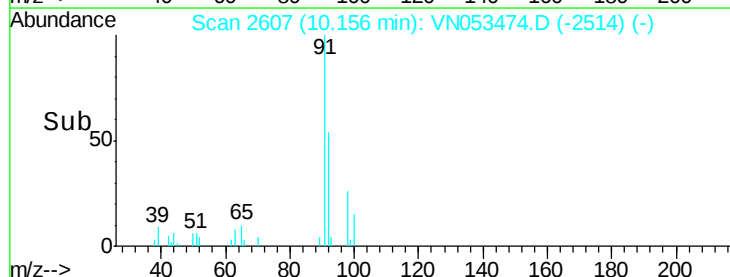
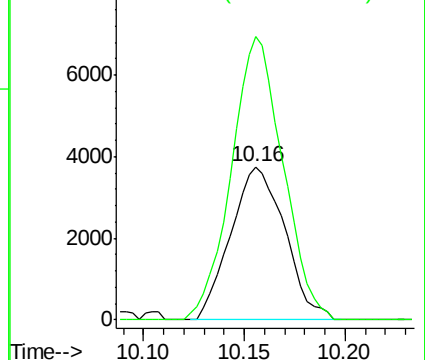
92 100

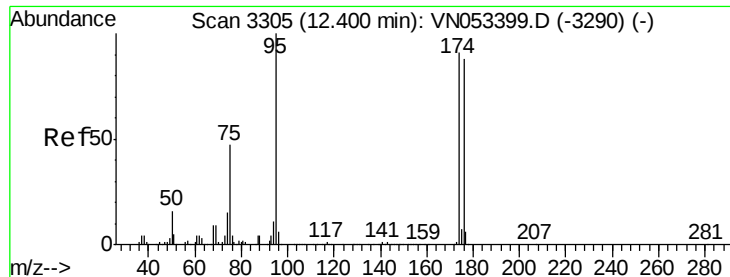
91 175.7 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

Instrument :

MSVOA_N

ClientSampled :

WS-1

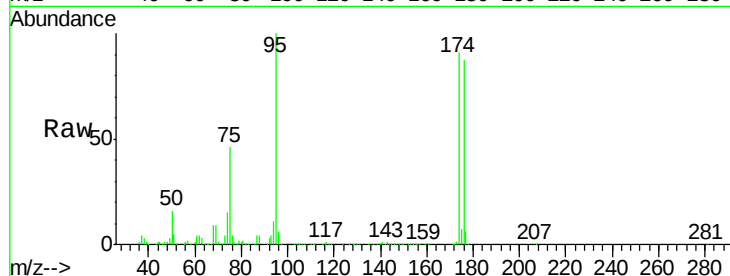
Tot Ion: 95 Resp: 594568

Ion Ratio Lower Upper

95 100

174 91.7 0.0 183.2

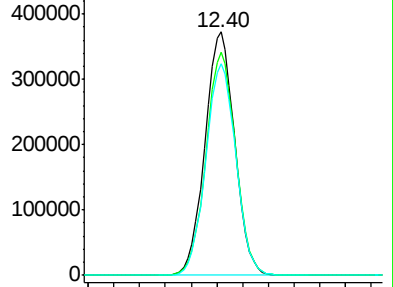
176 88.1 0.0 177.4



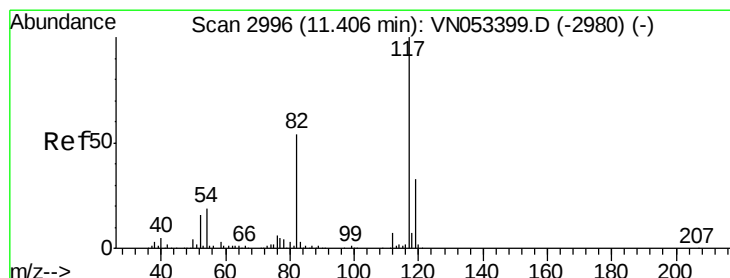
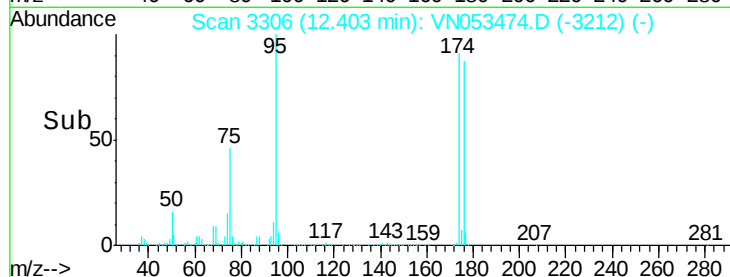
Abundance Ion 94.90 (94.60 to 95.60): VN053399.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053399.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053399.D (-3290) (-)



Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

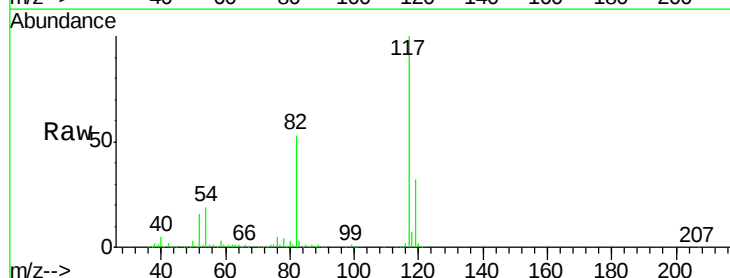
Tgt Ion: 117 Resp: 1288233

Ion Ratio Lower Upper

117 100

82 52.8 42.9 64.3

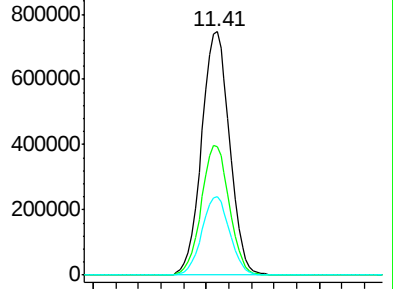
119 32.1 26.0 39.0



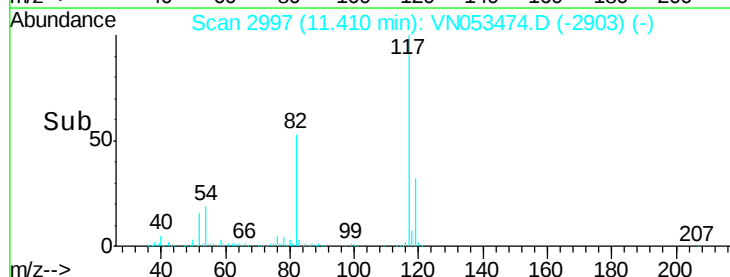
Abundance Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

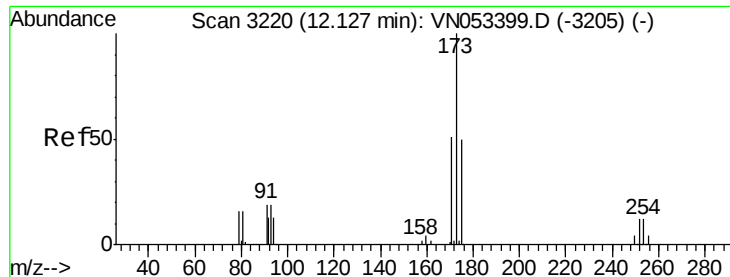
Ion 82.00 (81.70 to 82.70): VN053399.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053399.D (-2980) (-)



Time--> 11.30 11.40 11.50

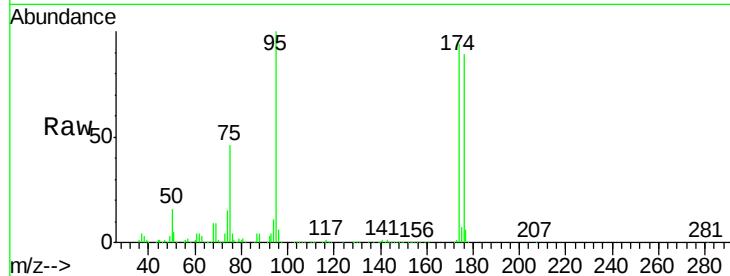




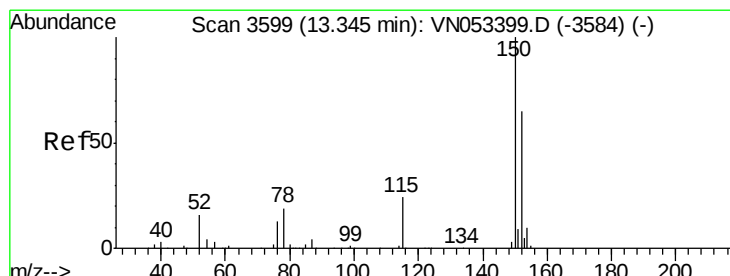
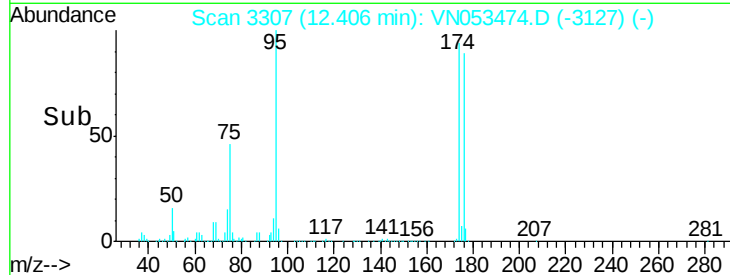
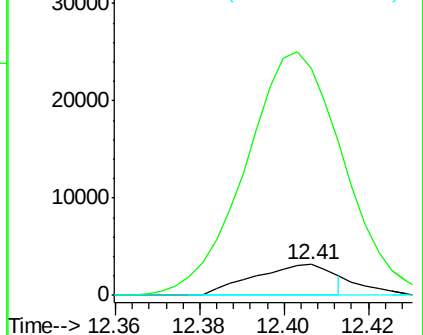
#71
Bromoform
Concen: 0.639 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN053474.D
Acq: 18 Jan 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
WS-1

Tot Ion:173 Resp: 4174
Ion Ratio Lower Upper
173 100
175 836.8 24.6 74.0#
254 0.0 0.2 0.2#

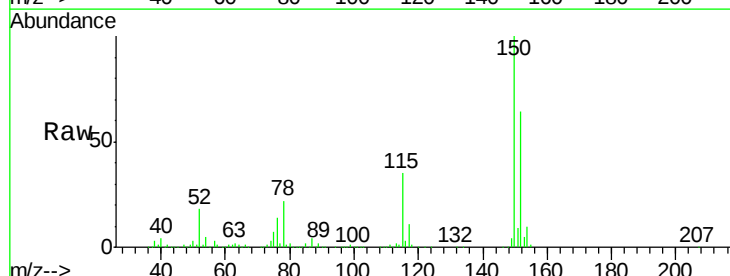


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

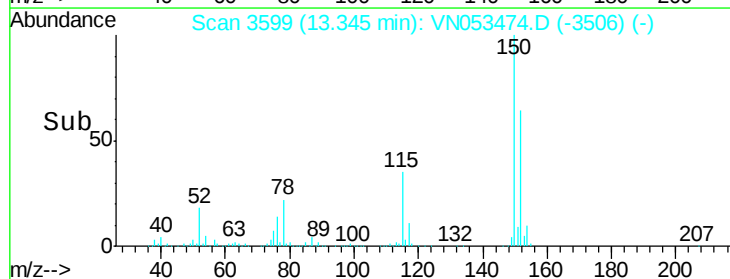
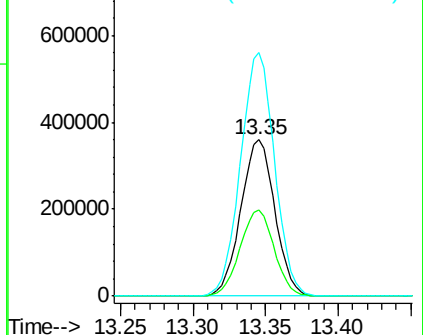


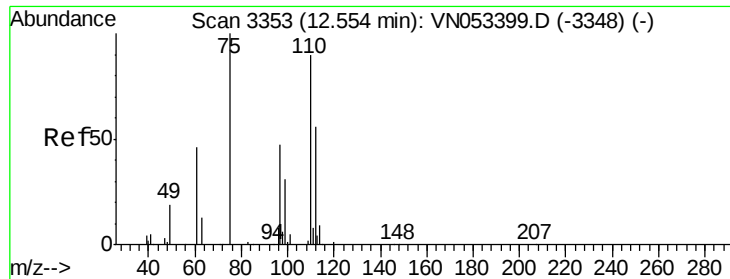
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053474.D
Acq: 18 Jan 2019 16:10

Tgt Ion:152 Resp: 588210
Ion Ratio Lower Upper
152 100
115 55.1 27.8 83.4
150 155.7 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: 35.956 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

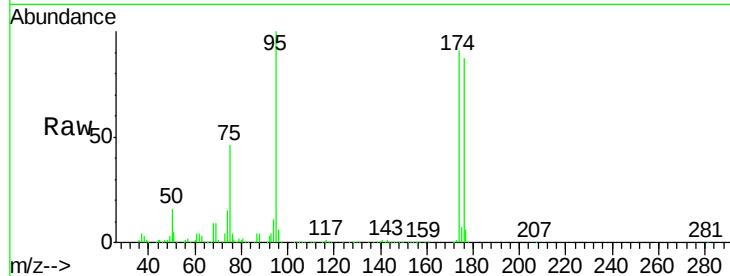
WS-1

Tot Ion: 75 Resp: 278716

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

200000

150000

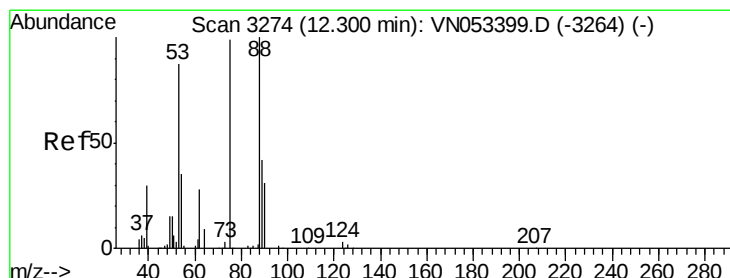
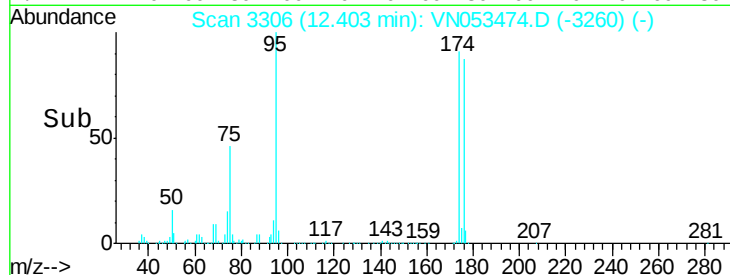
100000

50000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 88.920 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053474.D

Acq: 18 Jan 2019 16:10

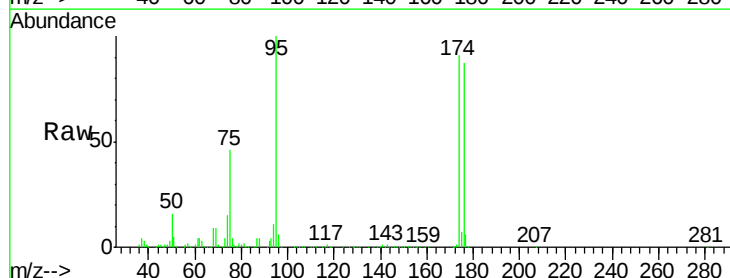
Tgt Ion: 75 Resp: 278716

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

200000

150000

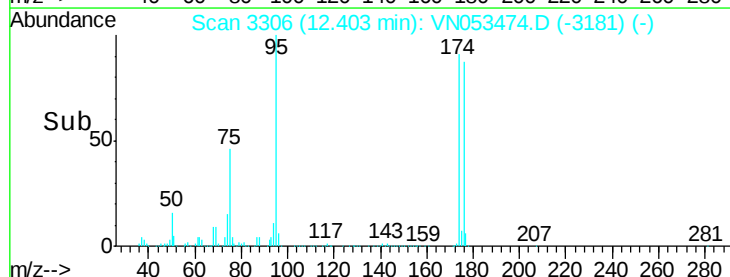
100000

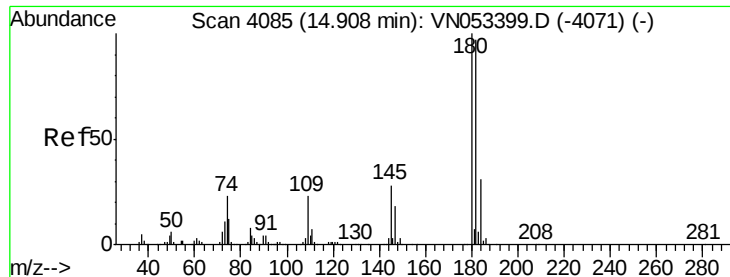
50000

0

12.35 12.40 12.45

Time-->

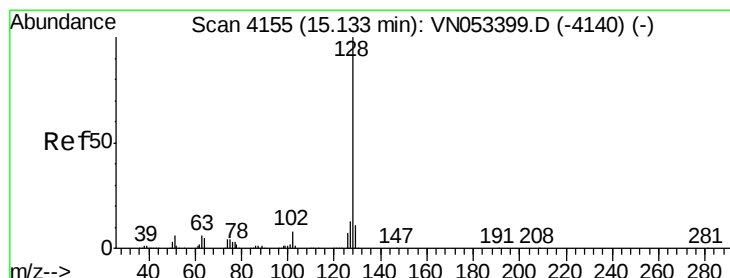
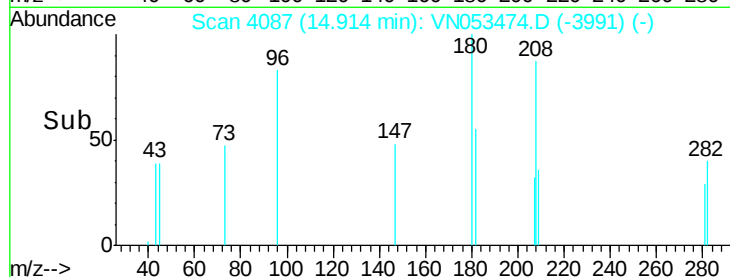
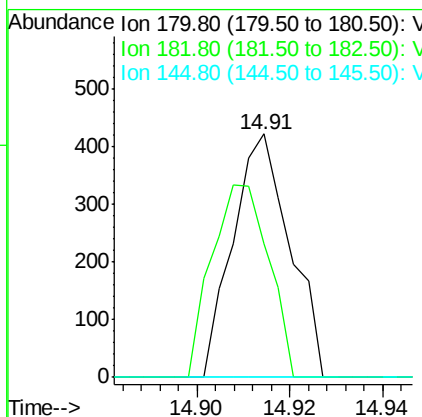
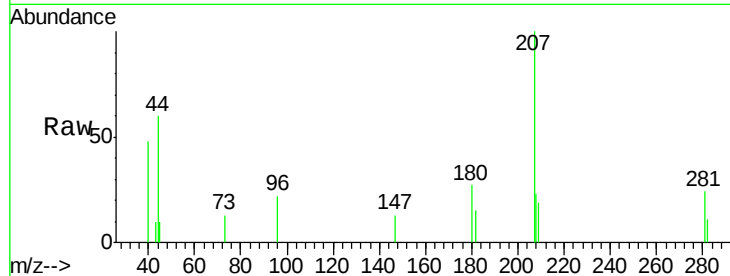




#93
 1,2,4-Trichlorobenzene
 Concen: 2.808 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN053474.D
 Acq: 18 Jan 2019 16:10

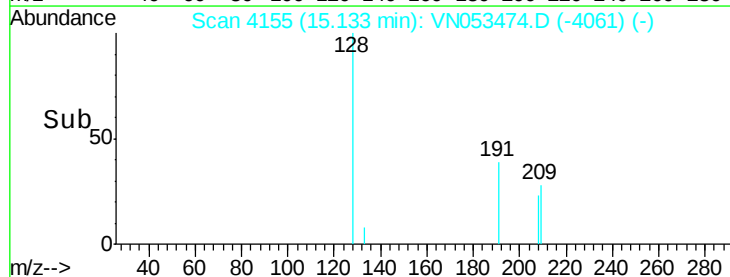
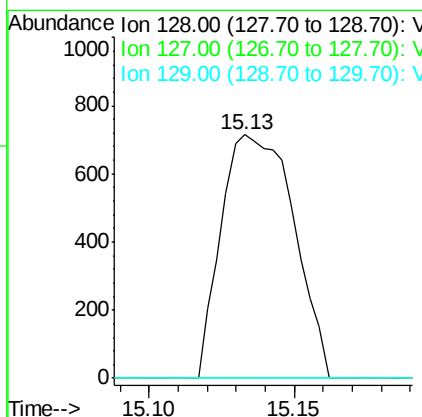
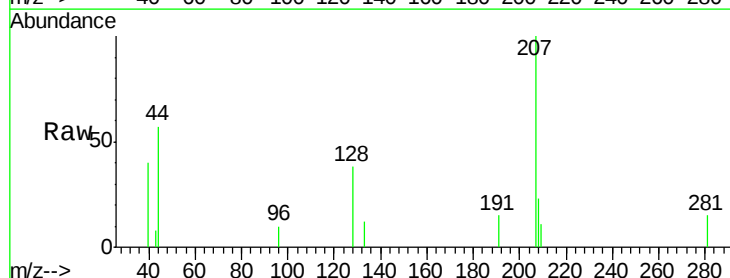
Instrument :
 MSVOA_N
 ClientSampled :
 WS-1

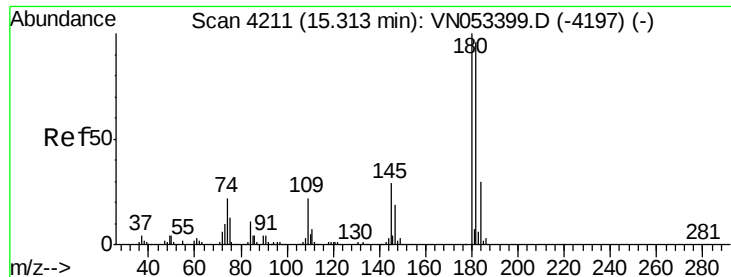
Tot Ion:180 Resp: 359
 Ion Ratio Lower Upper
 180 100
 182 78.8 48.1 144.3
 145 0.0 13.9 41.6#



#95
 Naphthalene
 Concen: 4.019 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053474.D
 Acq: 18 Jan 2019 16:10

Tgt Ion:128 Resp: 1239
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.933 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053474.D
 Acq: 18 Jan 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 WS-1

Tot Ion	Ratio	Lower	Upper
180	100		
182	151.9	47.9	143.8#
145	0.0	14.7	44.1#

