

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021319\
 Data File : VN053766.D
 Acq On : 13 Feb 2019 20:10
 Operator : JC/SP
 Sample : K1343-32
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JC-02-021119-P

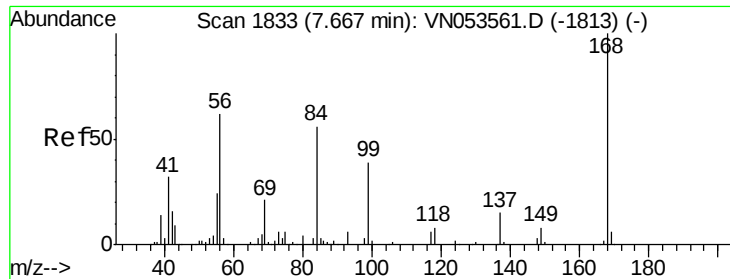
Quant Time: Feb 14 00:16:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	700599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1093753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1013577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	399887	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	370815	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
35) Dibromofluoromethane	7.59	113	372423	53.89	ug/l	0.00
Spiked Amount			Recovery	=	107.78%	
50) Toluene-d8	10.09	98	1335388	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.40	95	431497	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.42	74	1419	0.355	ug/l	55
11) Tert butyl alcohol	4.78	59	256	0.615	ug/l #	72
14) Allyl chloride	4.55	41	63418	6.139	ug/l #	27
16) Acetone	3.82	43	98690	54.743	ug/l	99
18) Methyl Acetate	4.33	43	2631	0.493	ug/l #	84
20) Methylene Chloride	4.55	84	1829256	241.855	ug/l	97
25) 2-Butanone	6.84	43	2815	1.095	ug/l	91
29) Tetrahydrofuran	7.21	42	854	0.517	ug/l #	80
30) Chloroform	7.38	83	3462	0.274	ug/l #	78
31) Cyclohexane	7.66	56	10063	0.680	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	41437	4.203	ug/l #	49
38) Carbon Tetrachloride	7.67	117	57470	5.786	ug/l #	16
40) Benzene	8.04	78	8021	0.264	ug/l	97
43) Isopropyl Acetate	8.17	43	34542	3.248	ug/l #	80
45) 1,2-Dichloropropane	9.27	63	1642	0.211	ug/l #	43
48) Methyl methacrylate	9.18	41	9369	1.846	ug/l #	12
49) 1,4-Dioxane	9.27	88	176	41.397	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	7726	1.478	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	65487	5.662	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	11781	1.060	ug/l #	43
59) 2-Hexanone	10.76	43	155372	43.796	ug/l #	51
71) Bromoform	12.40	173	3033	0.588	ug/l #	1
74) N-amyl acetate	11.88	43	15155	2.242	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	200643	39.064	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7528	0.323	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	200643	109.844	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	7880	0.332	ug/l	97
95) Naphthalene	15.13	128	7131	2.128	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN053766.D

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MSVOA_N

ClientSampleId :

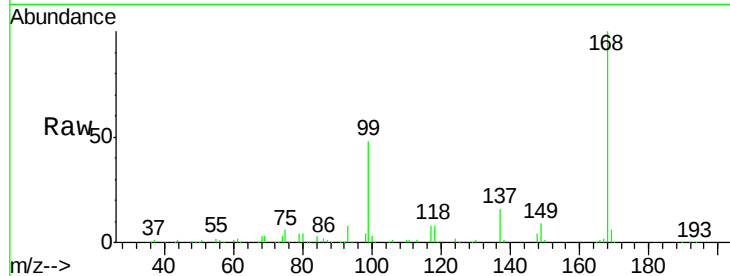
JC-02-021119-P

Tot Ion:168 Resp: 700599

Ion Ratio Lower Upper

168 100

99 47.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

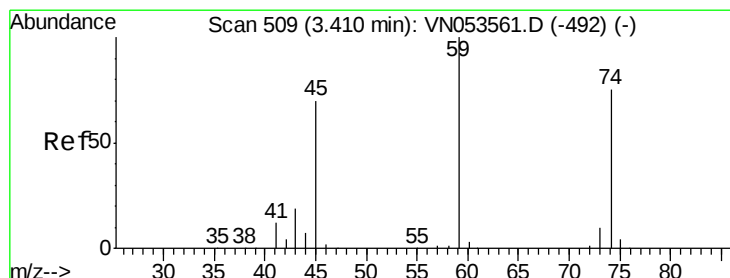
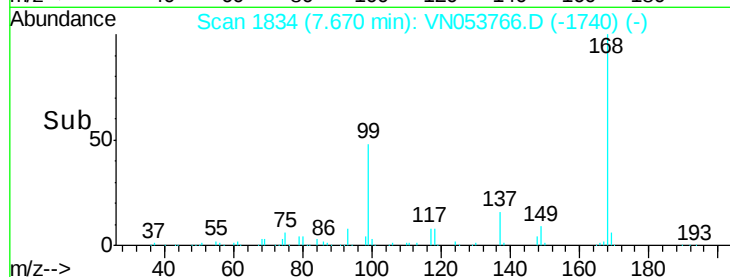
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#8

Diethyl Ether

Concen: 0.355 ug/l

RT: 3.42 min Scan# 512

Delta R.T. 0.01 min

Lab File: VN053766.D

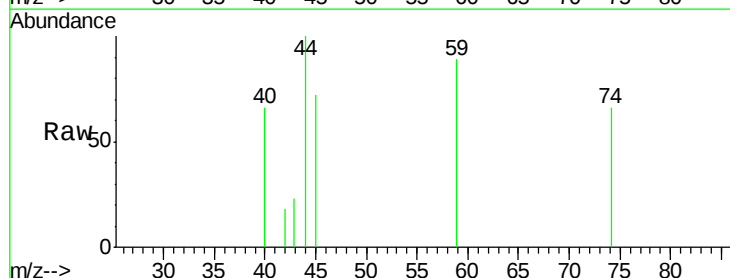
Acq: 13 Feb 2019 20:10

Tgt Ion: 74 Resp: 1419

Ion Ratio Lower Upper

74 100

45 140.1 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.42

800

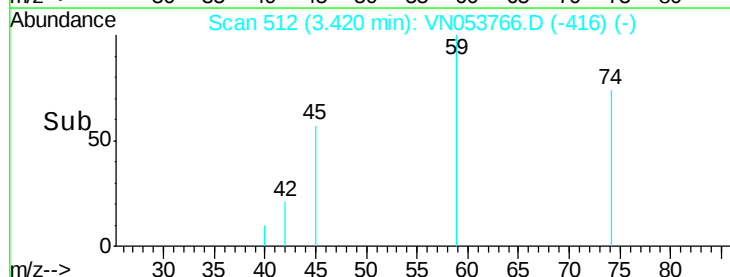
600

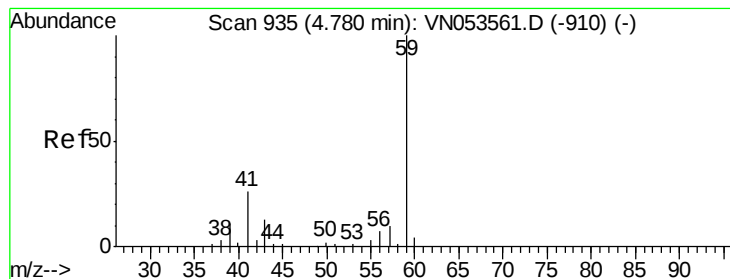
400

200

0

Time--> 3.40 3.45



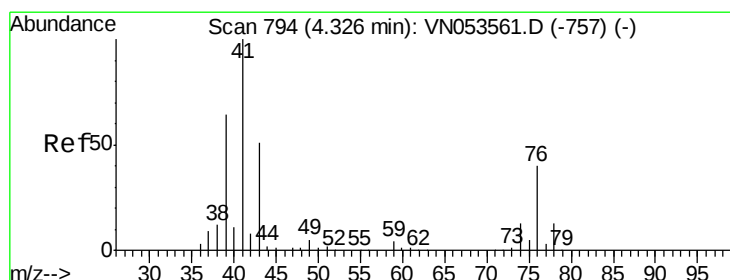
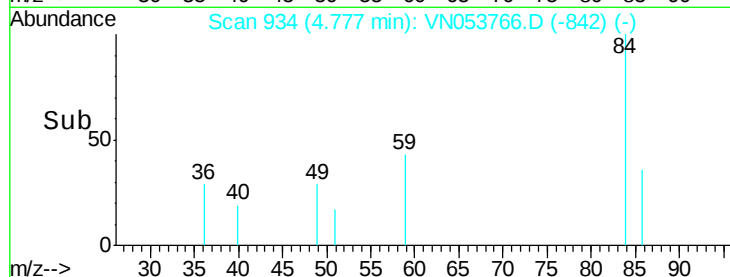
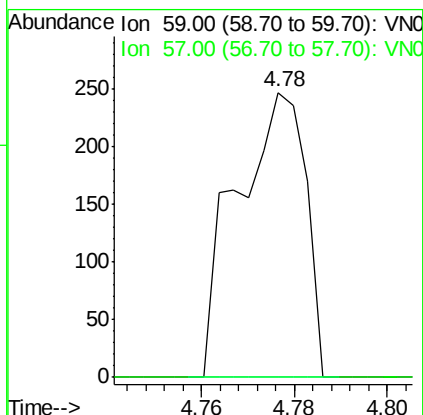
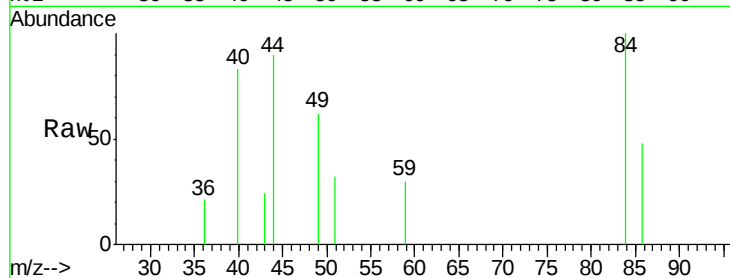


#11

Tert butyl alcohol
 Concen: 0.615 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053766.D
 Acq: 13 Feb 2019 20:10

Instrument :
 MSVOA_N
 ClientSampleId :
 JC-02-021119-P

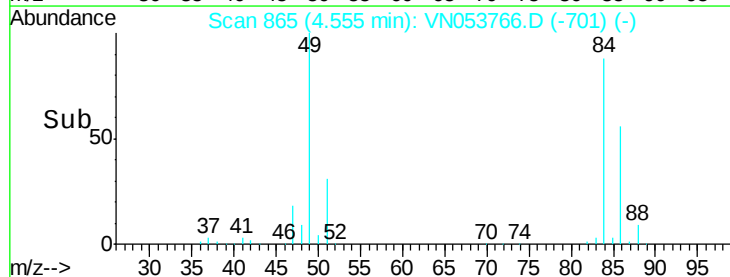
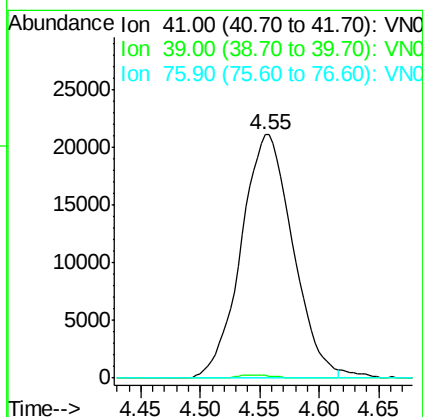
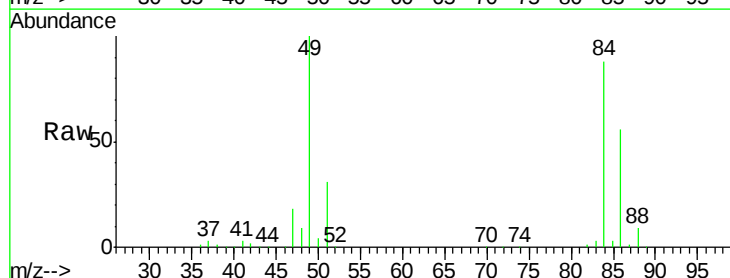
Tot Ion: 59 Resp: 256
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

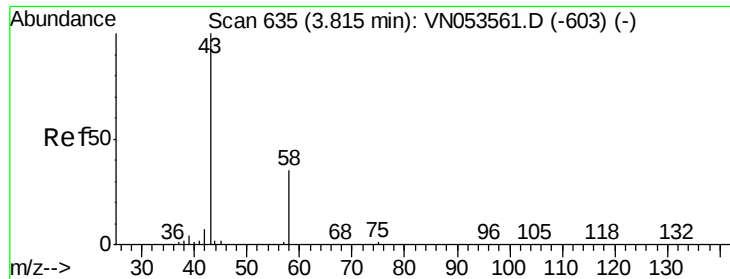


#14

Allyl chloride
 Concen: 6.139 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.23 min
 Lab File: VN053766.D
 Acq: 13 Feb 2019 20:10

Tgt Ion: 41 Resp: 63418
 Ion Ratio Lower Upper
 41 100
 39 0.5 48.9 73.3#
 76 0.0 29.4 44.2#





#16

Acetone

Concen: 54.743 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

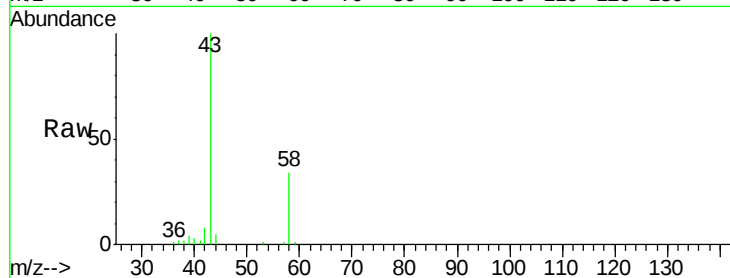
JC-02-021119-P

Tot Ion: 43 Resp: 98690

Ion Ratio Lower Upper

43 100

58 34.3 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

40000

30000

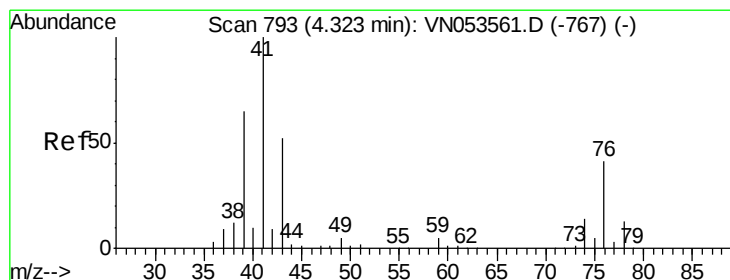
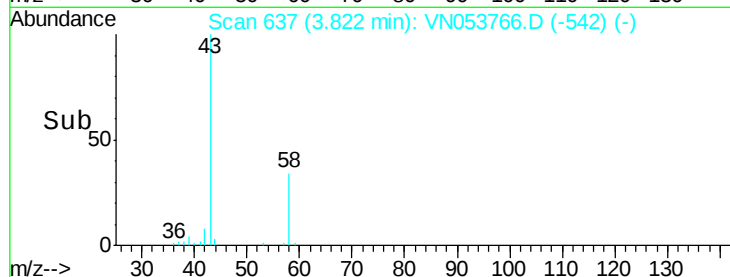
20000

10000

0

Time-->

3.70 3.80 3.90



#18

Methyl Acetate

Concen: 0.493 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053766.D

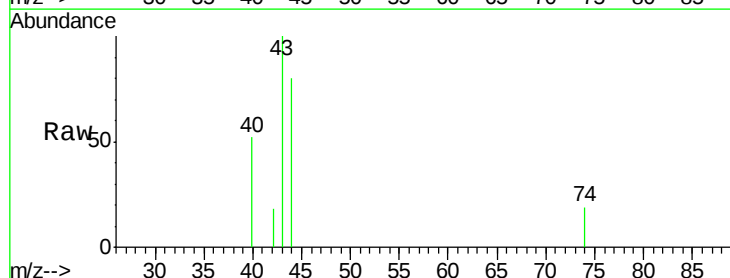
Acq: 13 Feb 2019 20:10

Tgt Ion: 43 Resp: 2631

Ion Ratio Lower Upper

43 100

74 16.6 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

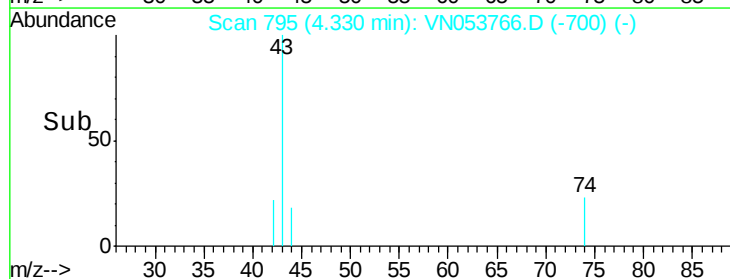
1000

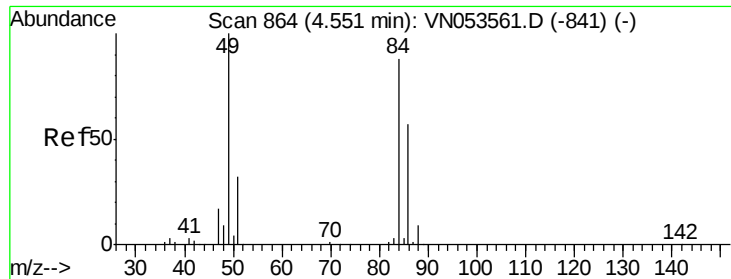
500

0

Time-->

4.25 4.30 4.35



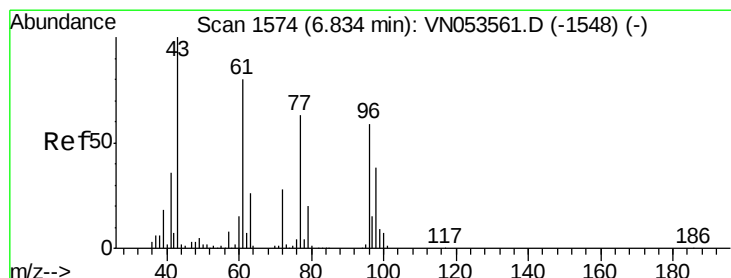
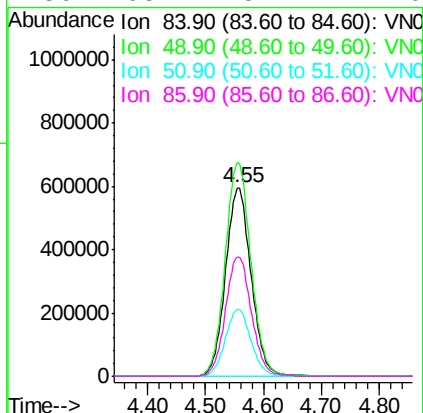
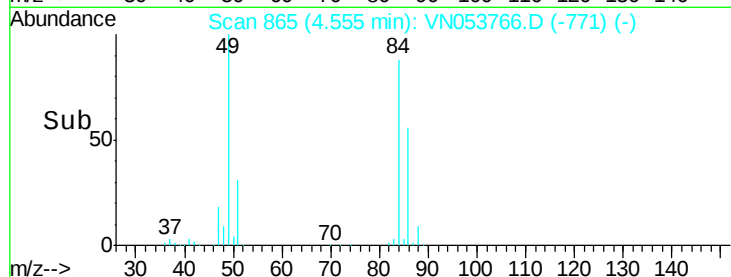
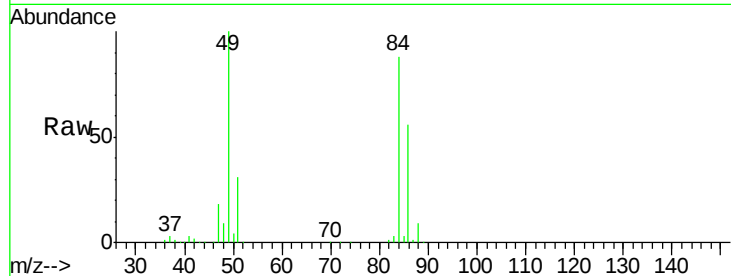


#20
Methvlene Chloride
Concen: 241.855 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053766.D
Acq: 13 Feb 2019 20:10

Instrument :
MSVOA_N
ClientSampleId :
JC-02-021119-P

Tot Ion: 84 Resp: 1829256

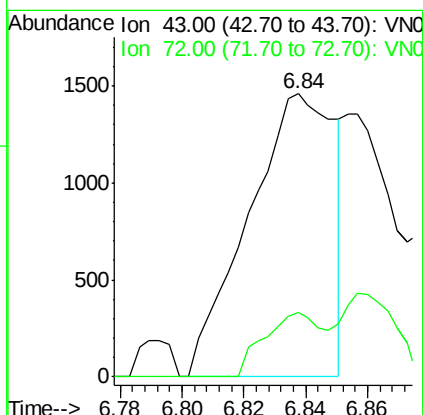
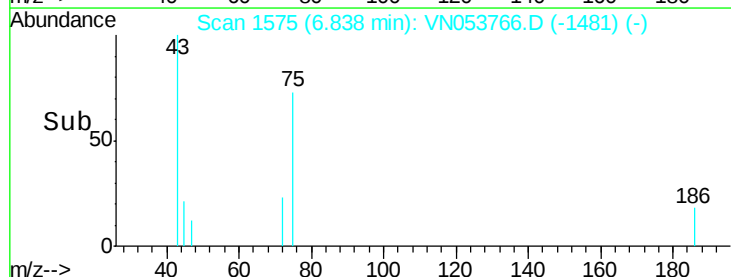
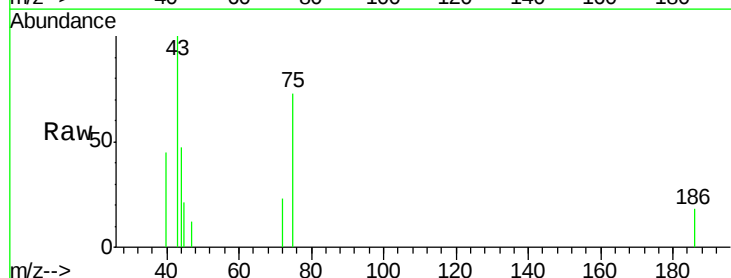
Ion	Ratio	Lower	Upper
84	100		
49	113.3	94.3	141.5
51	35.6	29.4	44.2
86	63.4	51.4	77.0

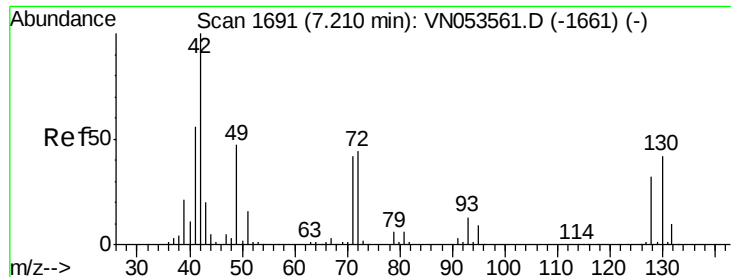


#25
2-Butanone
Concen: 1.095 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053766.D
Acq: 13 Feb 2019 20:10

Tgt Ion: 43 Resp: 2815

Ion	Ratio	Lower	Upper
43	100		
72	22.8	22.0	33.0

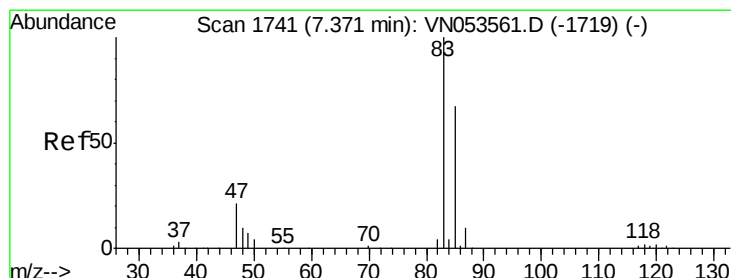
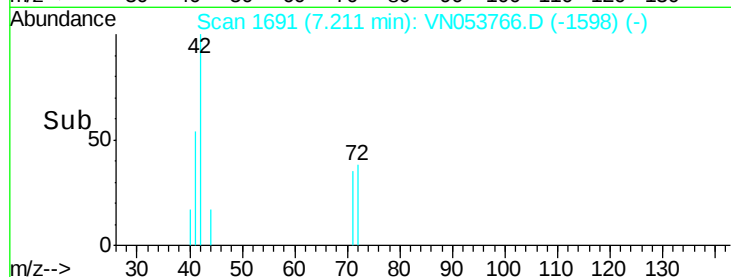
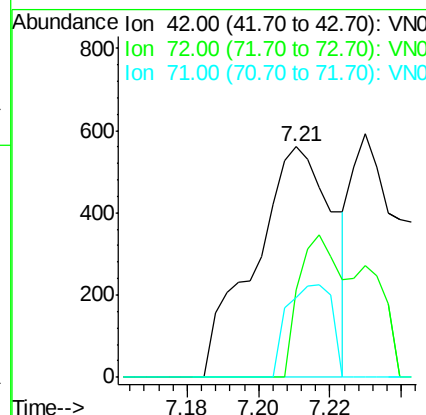
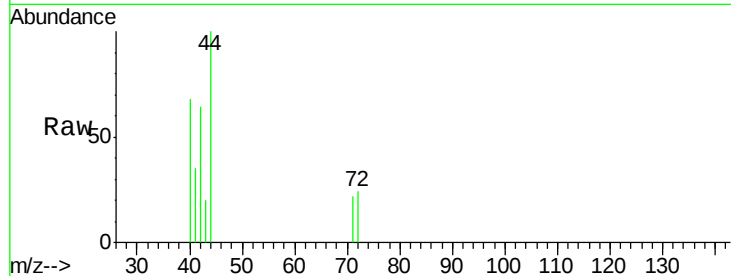




#29
Tetrahydrofuran
Concen: 0.517 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053766.D
Acq: 13 Feb 2019 20:10

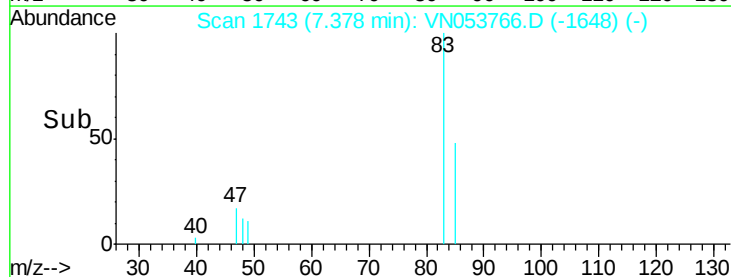
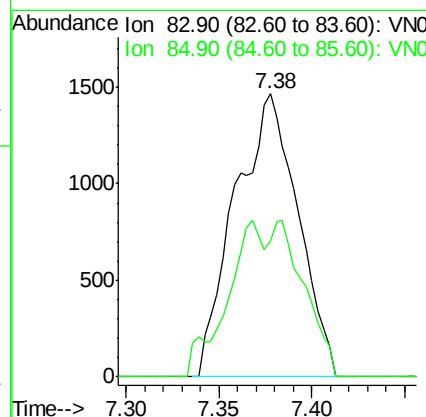
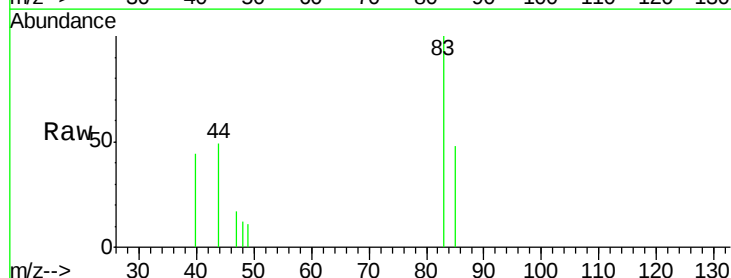
Instrument :
MSVOA_N
ClientSampleId :
JC-02-021119-P

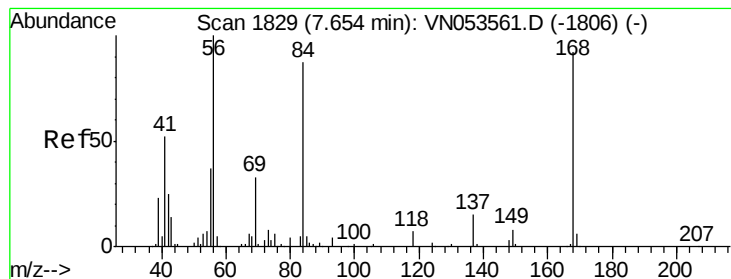
Tot Ion: 42 Resp: 854
Ion Ratio Lower Upper
42 100
72 37.0 35.2 52.8
71 22.8 33.0 49.4#



#30
Chloroform
Concen: 0.274 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN053766.D
Acq: 13 Feb 2019 20:10

Tgt Ion: 83 Resp: 3462
Ion Ratio Lower Upper
83 100
85 47.9 52.2 78.2#





#31

Cvclohexane

Concen: 0.680 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

JC-02-021119-P

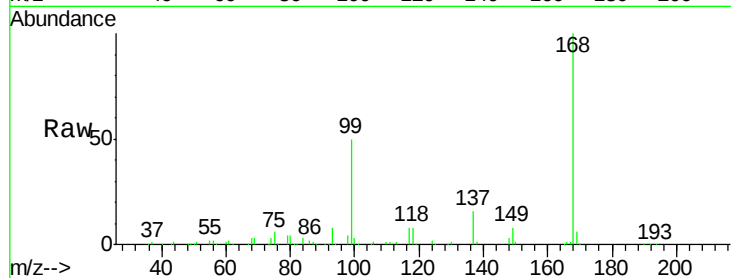
Tot Ion: 56 Resp: 10063

Ion Ratio Lower Upper

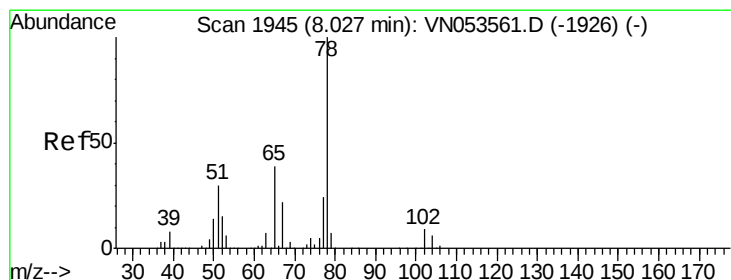
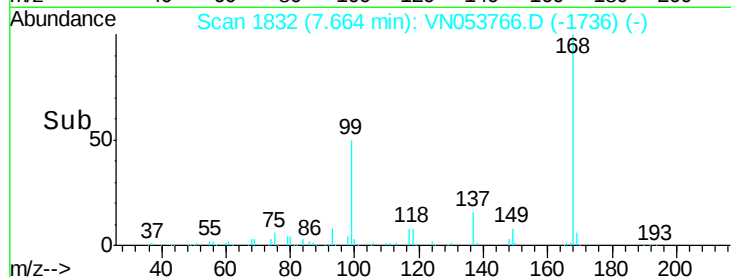
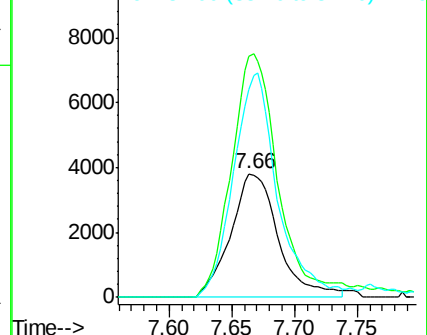
56 100

69 195.5 26.4 39.6#

84 168.4 67.9 101.9#



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



#33

1,2-Dichloroethane-d4

Concen: 52.760 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053766.D

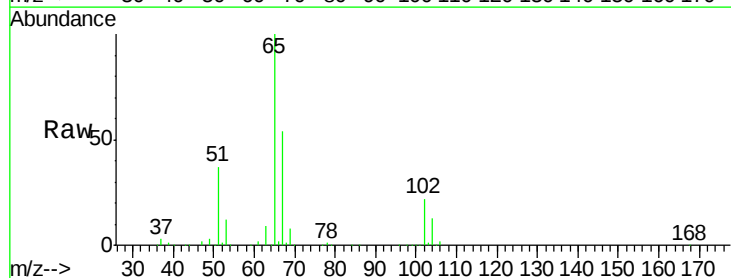
Acq: 13 Feb 2019 20:10

Tgt Ion: 65 Resp: 370815

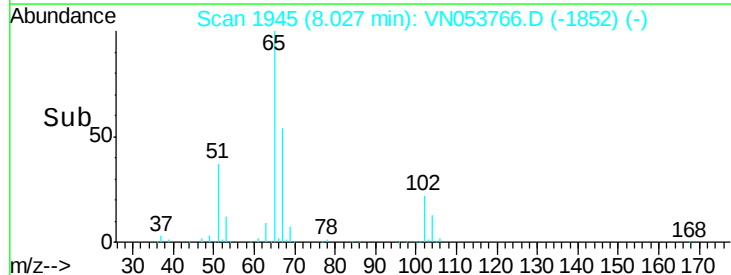
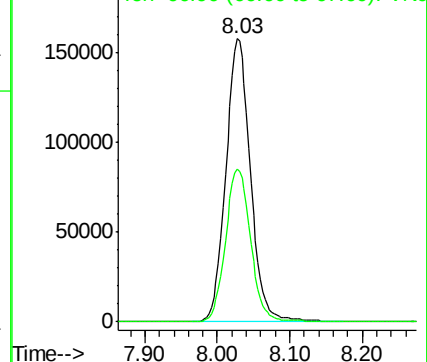
Ion Ratio Lower Upper

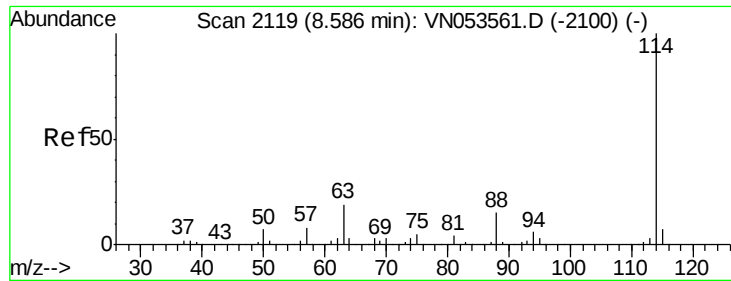
65 100

67 55.1 0.0 111.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

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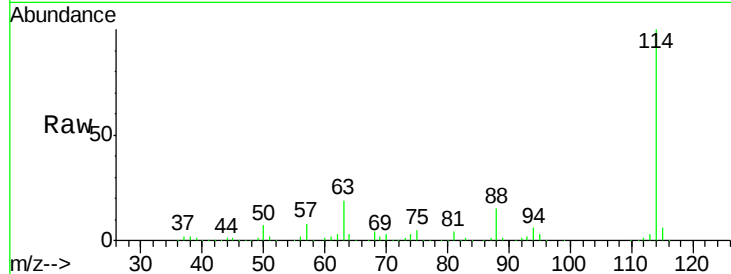
Tot Ion:114 Resp: 1093753

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.6

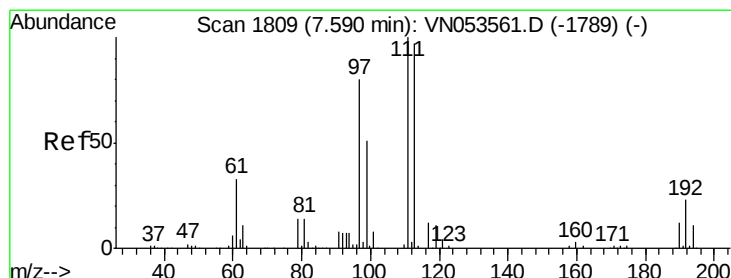
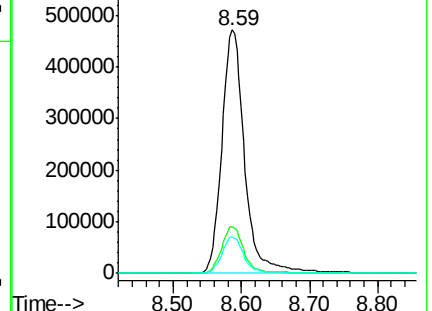
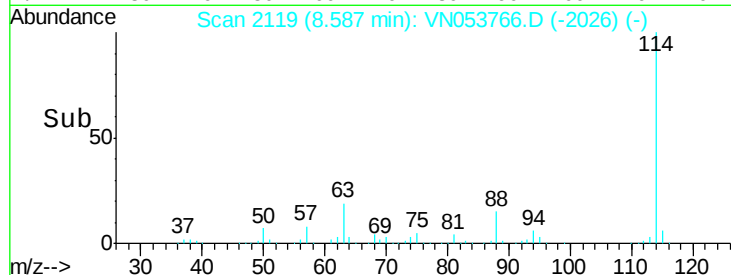
88 15.0 0.0 30.4



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: 53.888 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

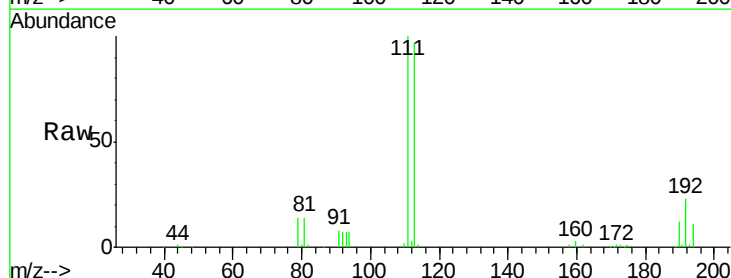
Tgt Ion:113 Resp: 372423

Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

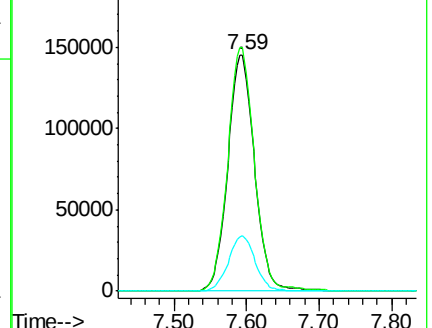
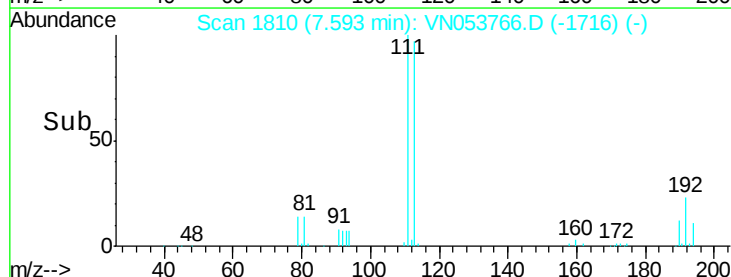
192 23.5 18.2 27.2

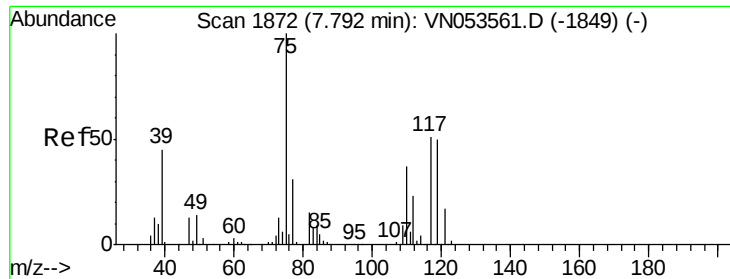


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

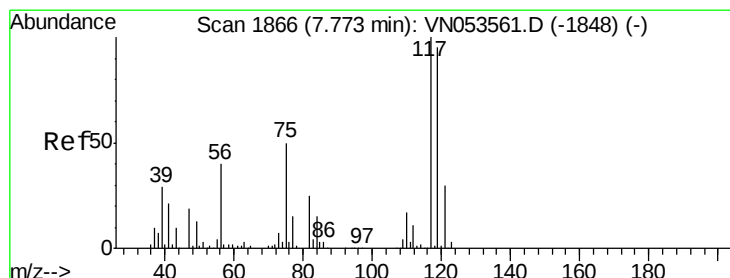
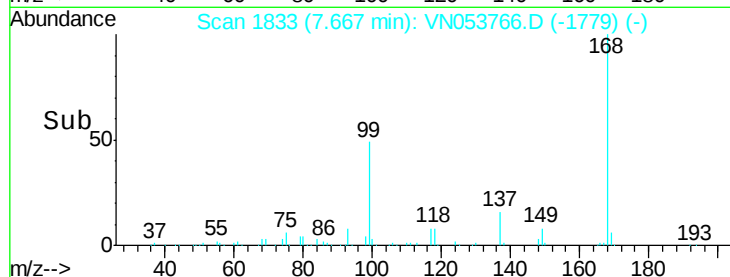
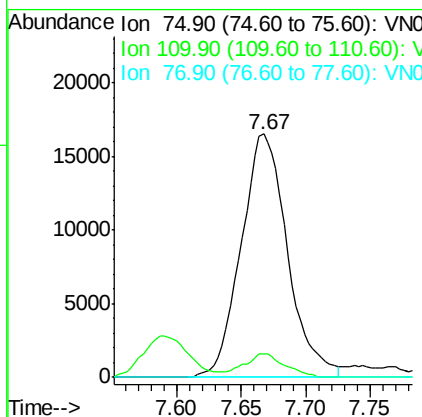
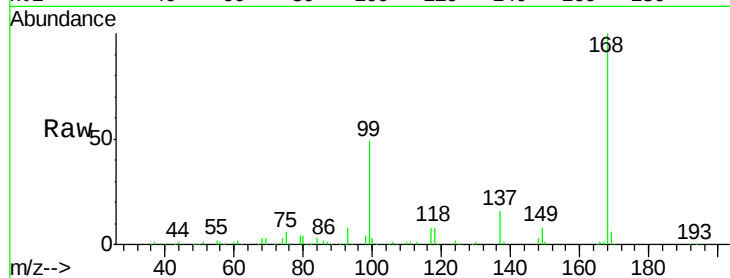




#36
 1,1-Dichloropropene
 Concen: 4.203 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053766.D
 Acq: 13 Feb 2019 20:10

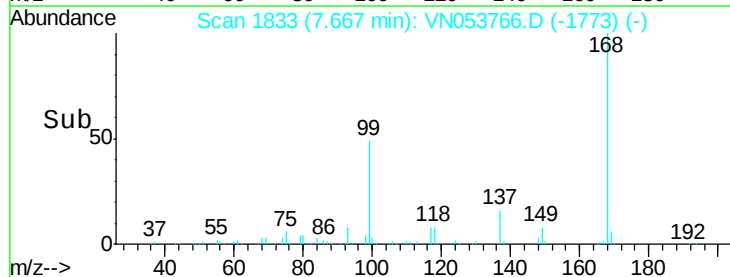
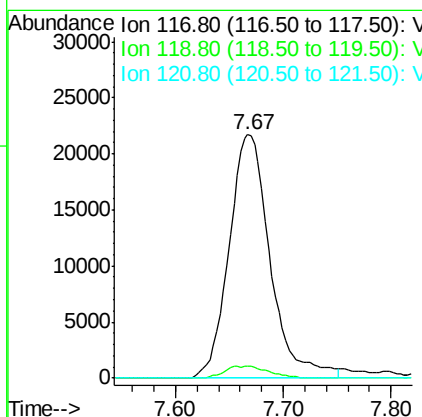
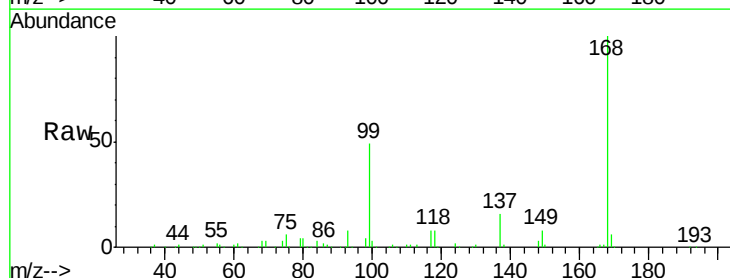
Instrument :
 MSVOA_N
 ClientSampleId :
 JC-02-021119-P

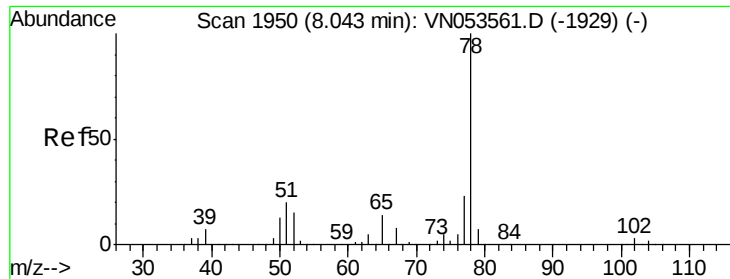
Tot Ion: 75 Resp: 41437
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.3#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.786 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053766.D
 Acq: 13 Feb 2019 20:10

Tgt Ion: 117 Resp: 57470
 Ion Ratio Lower Upper
 117 100
 119 5.2 77.2 115.8#
 121 0.0 24.6 37.0#





#40

Benzene

Concen: 0.264 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

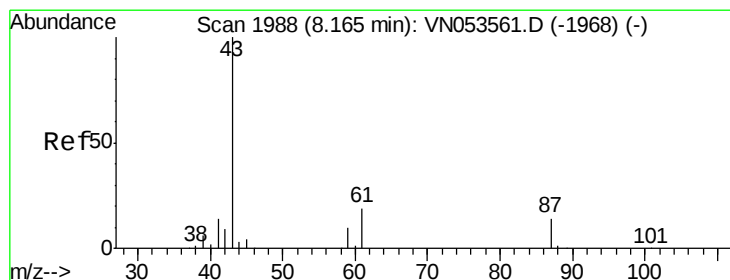
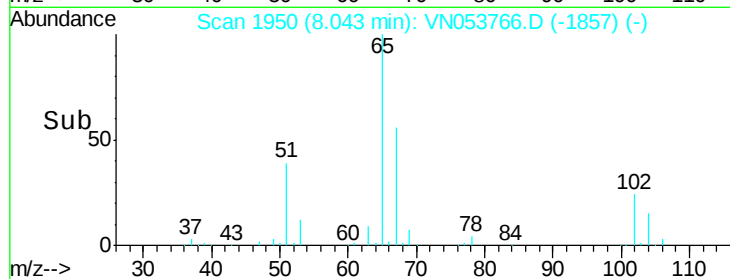
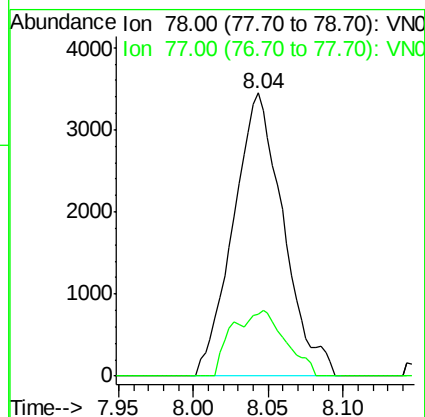
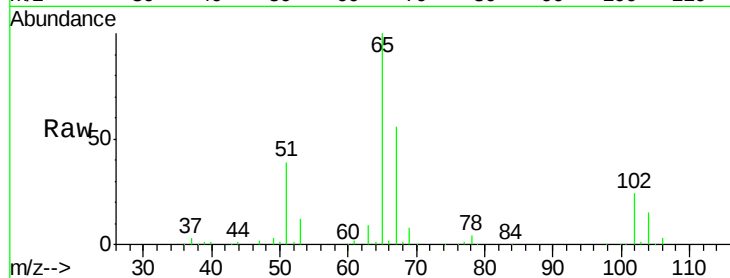
JC-02-021119-P

Tot Ion: 78 Resp: 8021

Ion Ratio Lower Upper

78 100

77 22.1 18.8 28.2



#43

Isopropyl Acetate

Concen: 3.248 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

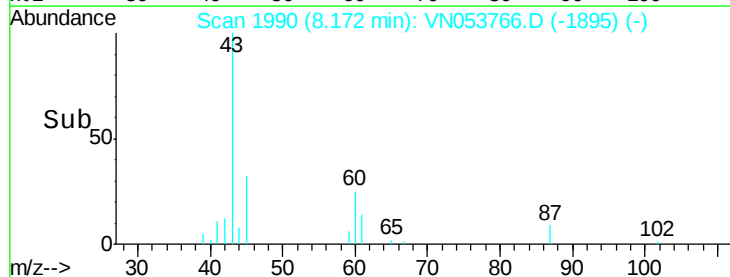
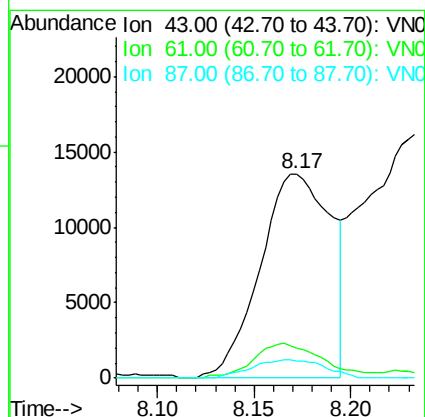
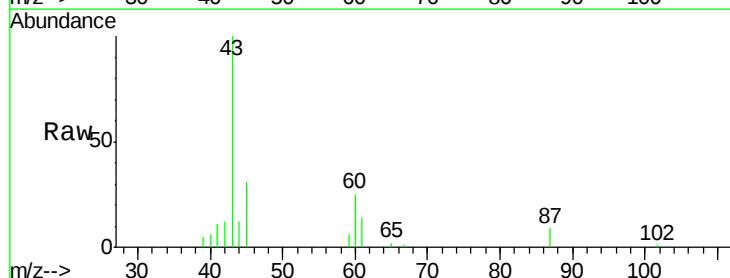
Tgt Ion: 43 Resp: 34542

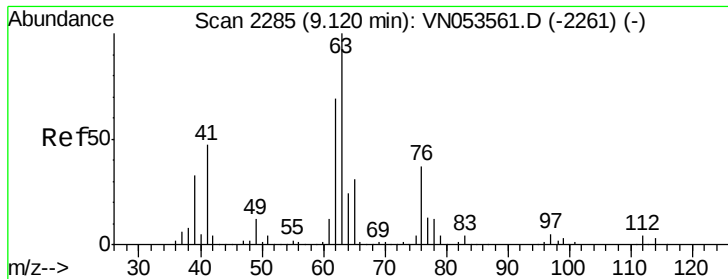
Ion Ratio Lower Upper

43 100

61 16.5 23.9 35.9#

87 9.2 11.0 16.6#





#45

1,2-Dichloropropane

Concen: 0.211 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.14 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

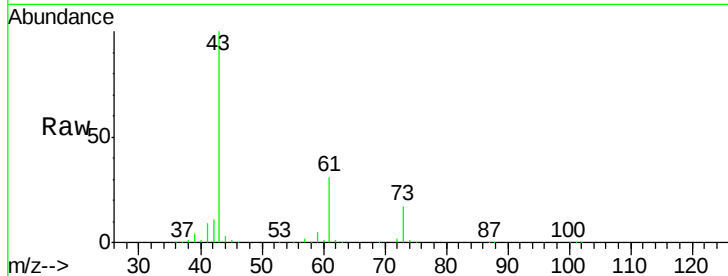
JC-02-021119-P

Tot Ion: 63 Resp: 1642

Ion Ratio Lower Upper

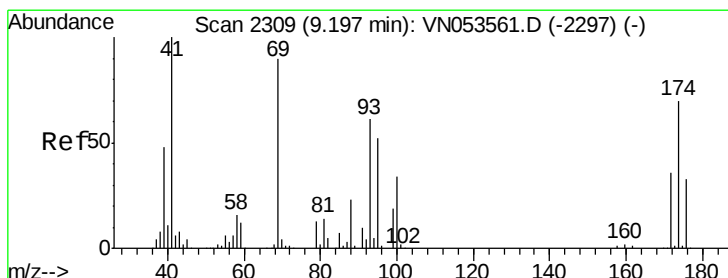
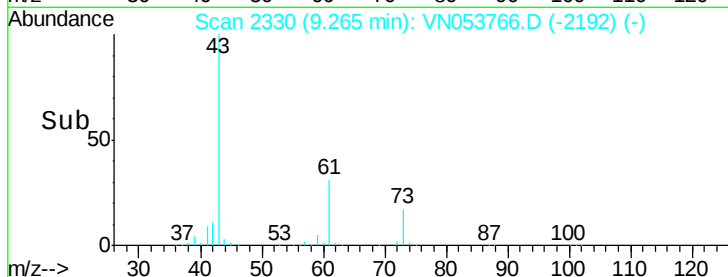
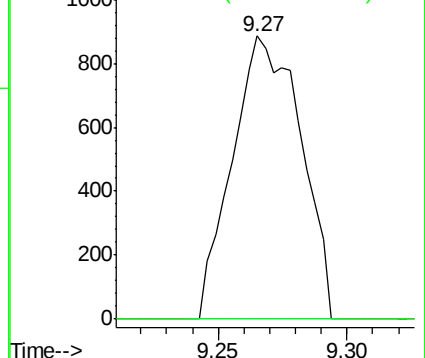
63 100

65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#48

Methyl methacrylate

Concen: 1.846 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

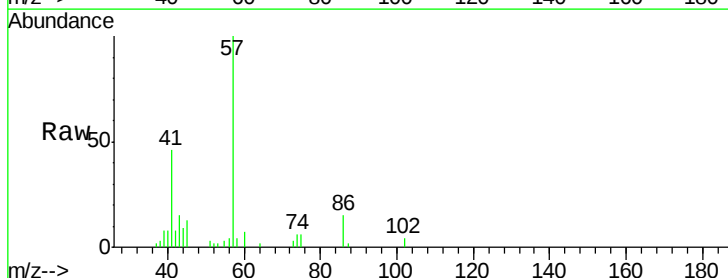
Tgt Ion: 41 Resp: 9369

Ion Ratio Lower Upper

41 100

69 0.0 73.8 110.6#

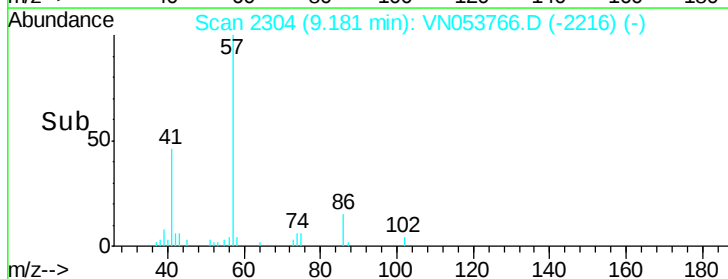
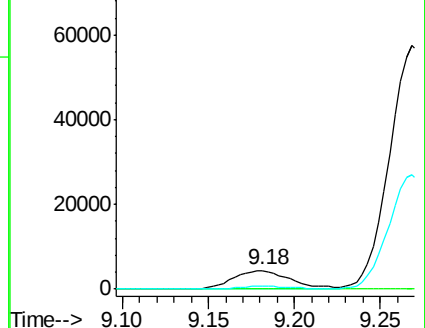
39 0.0 40.0 60.0#

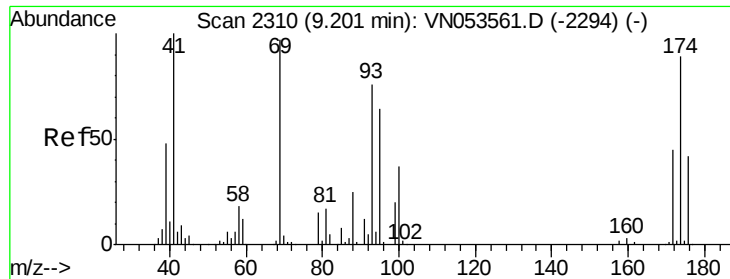


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#49

1,4-Dioxane

Concen: 41.397 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.07 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

JC-02-021119-P

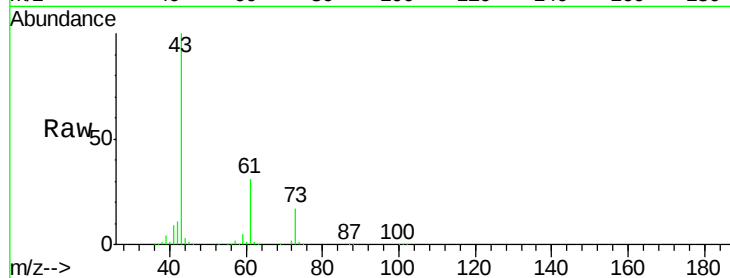
Tot Ion: 88 Resp: 176

Ion Ratio Lower Upper

88 100

43 759286.4 27.8 41.6#

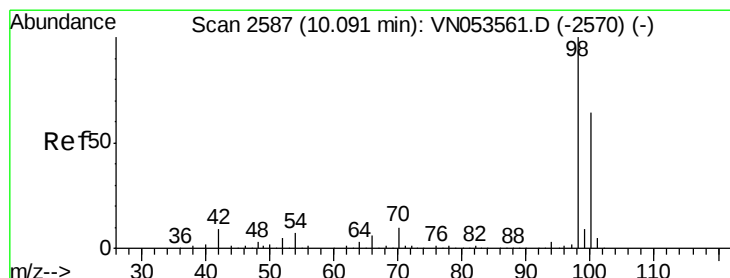
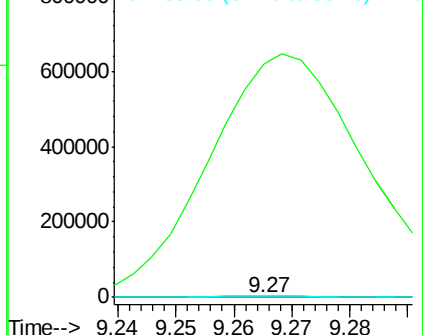
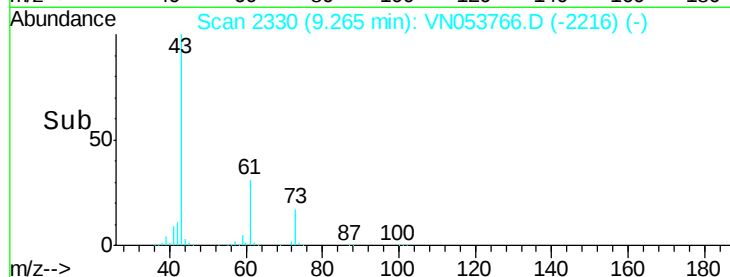
58 3868.8 56.5 84.7#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.460 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053766.D

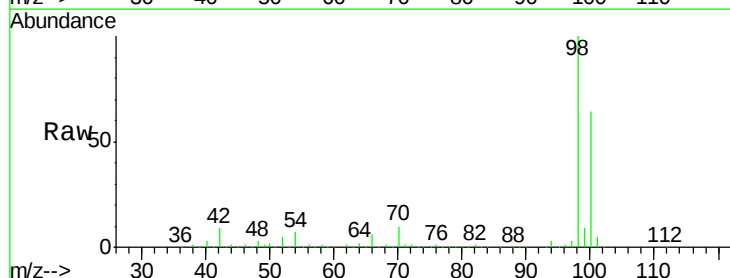
Acq: 13 Feb 2019 20:10

Tgt Ion: 98 Resp: 1335388

Ion Ratio Lower Upper

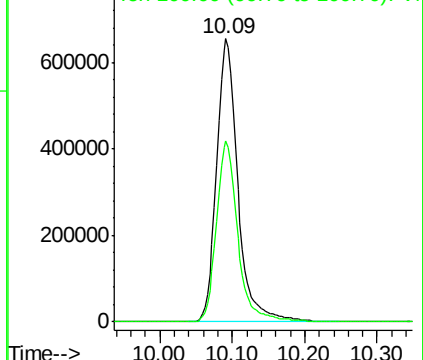
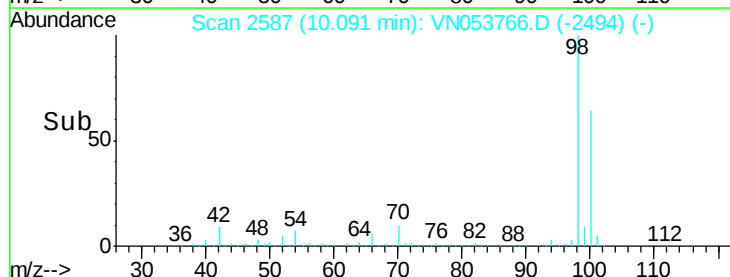
98 100

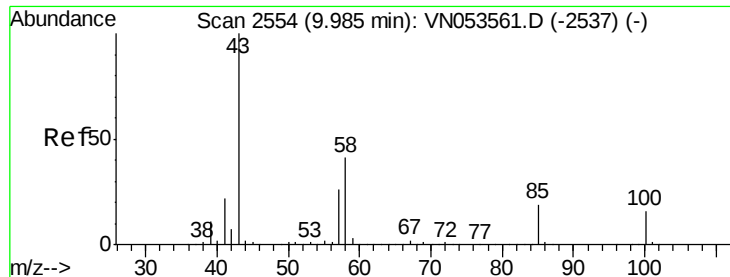
100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.478 ug/l

RT: 10.02 min Scan# 2565

Delta R.T. 0.04 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

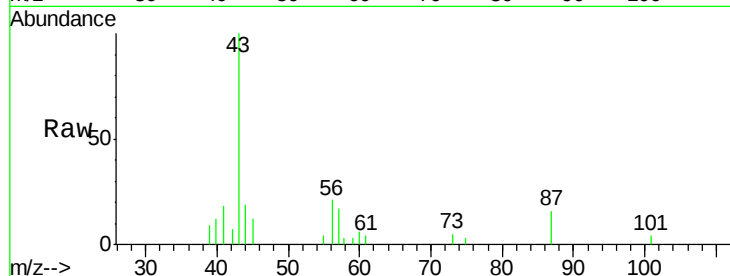
JC-02-021119-P

Tot Ion: 43 Resp: 7726

Ion Ratio Lower Upper

43 100

58 0.0 32.8 49.2#

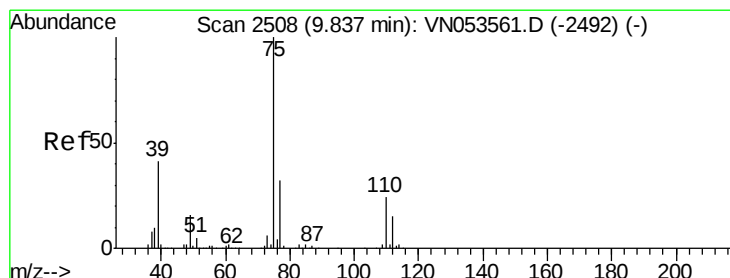
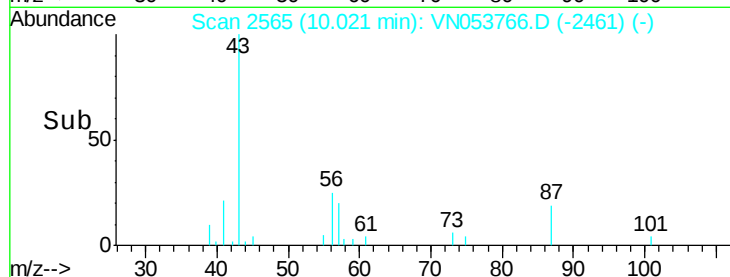


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.02

Time-->



#54

cis-1,3-Dichloropropene

Concen: 5.662 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

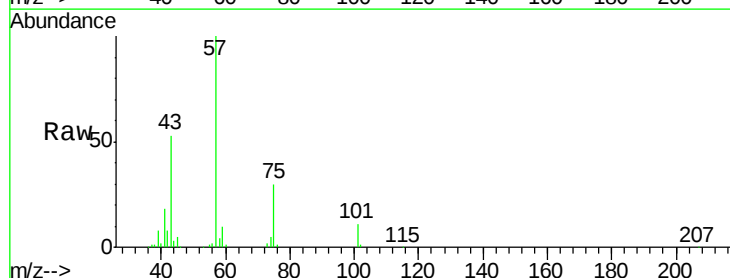
Tgt Ion: 75 Resp: 65487

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.6#

39 26.8 33.4 50.0#



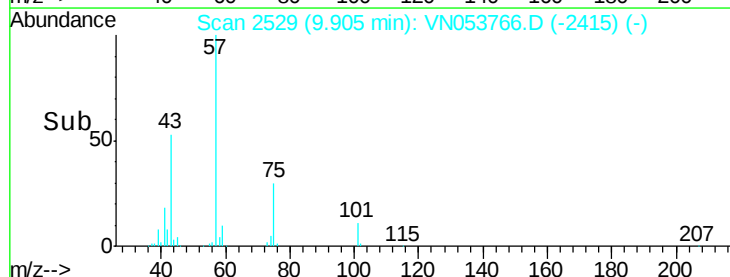
Abundance Ion 74.90 (74.60 to 75.60): VN0

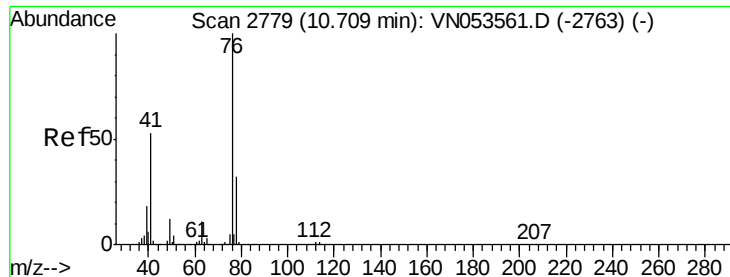
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.90

Time-->





#57

1,3-Dichloropropane

Concen: 1.060 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

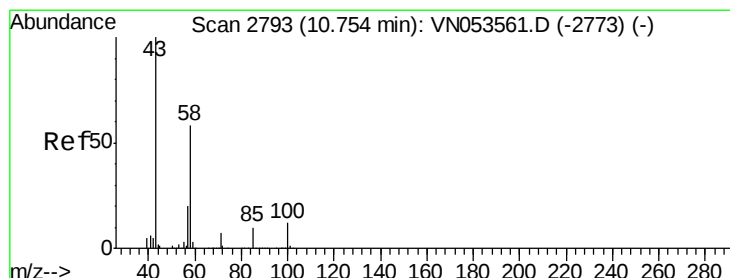
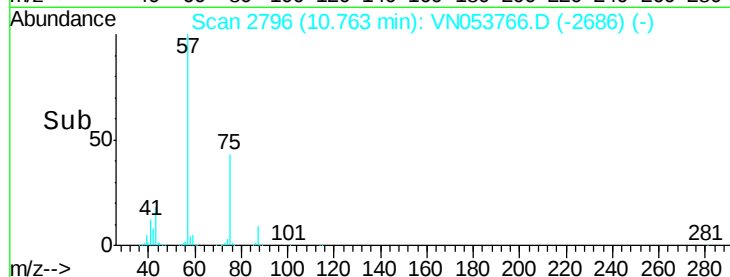
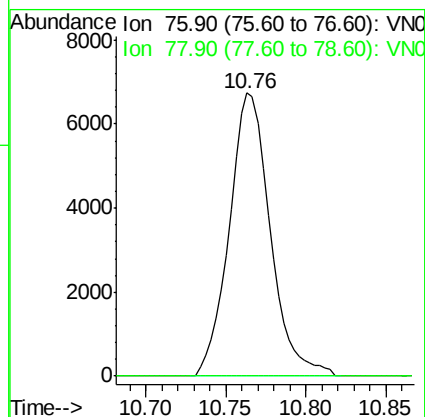
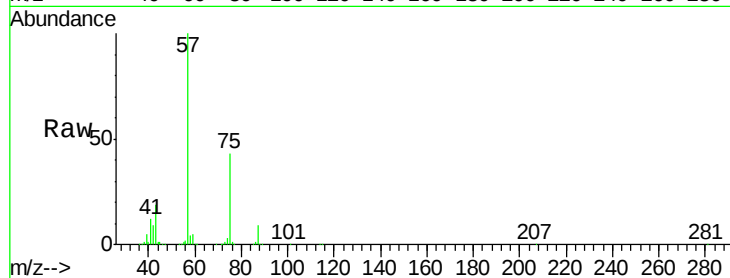
JC-02-021119-P

Tot Ion: 76 Resp: 11781

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 43.796 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN053766.D

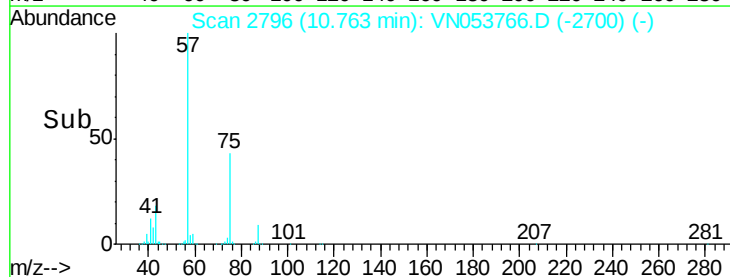
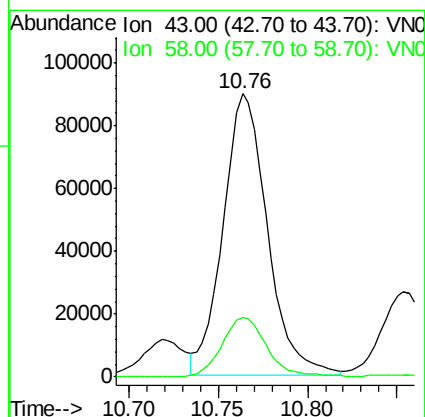
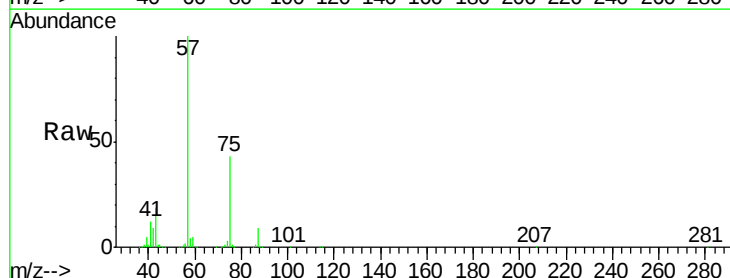
Acq: 13 Feb 2019 20:10

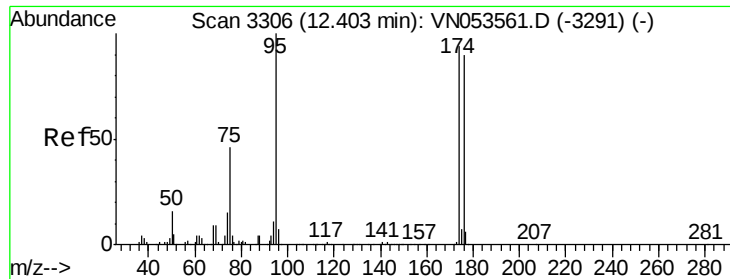
Tgt Ion: 43 Resp: 155372

Ion Ratio Lower Upper

43 100

58 21.3 28.6 85.8#





#62

4-Bromofluorobenzene

Concen: 49.857 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

JC-02-021119-P

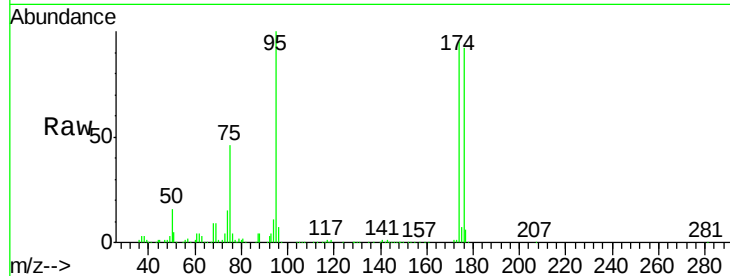
Tot Ion: 95 Resp: 431497

Ion Ratio Lower Upper

95 100

174 94.7 0.0 183.2

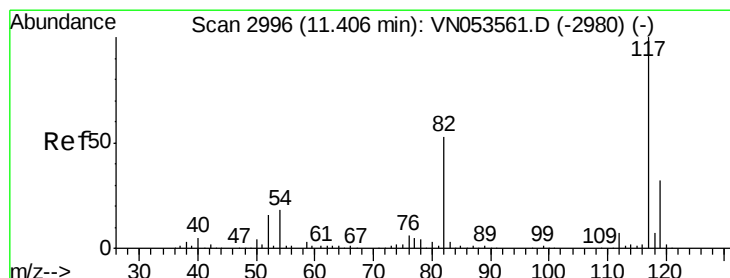
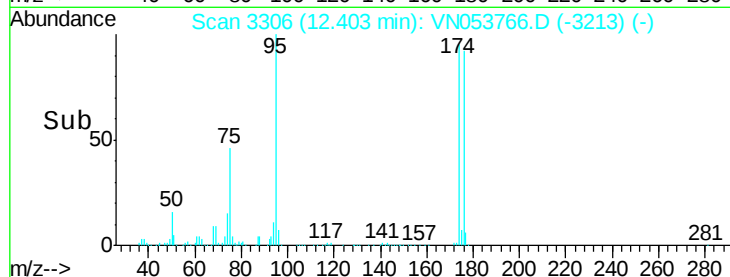
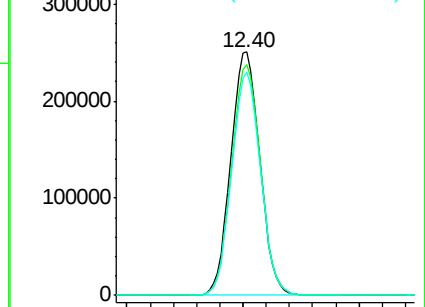
176 90.9 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053766.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN053766.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN053766.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

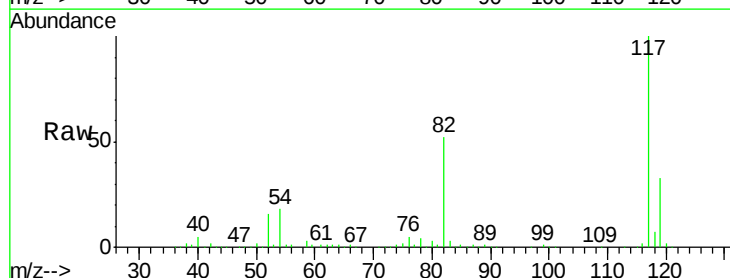
Tgt Ion: 117 Resp: 1013577

Ion Ratio Lower Upper

117 100

82 51.6 42.9 64.3

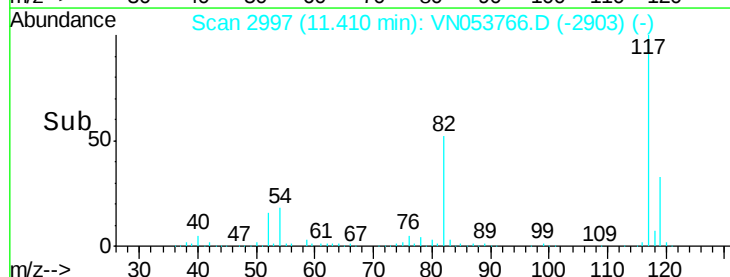
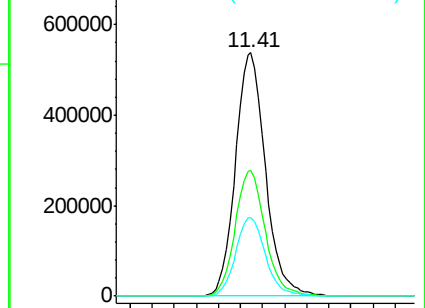
119 32.5 26.0 39.0

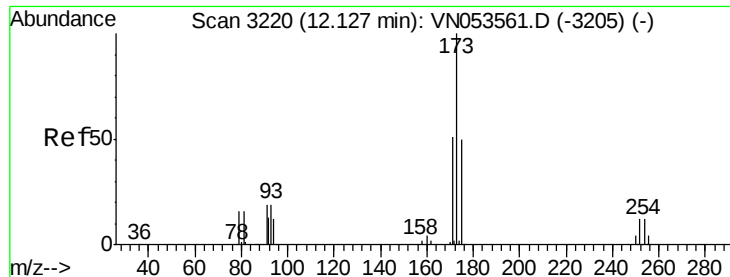


Abundance Ion 116.90 (116.60 to 117.60): VN053766.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN053766.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN053766.D (-2903) (-)





#71

Bromoform

Concen: 0.588 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

JC-02-021119-P

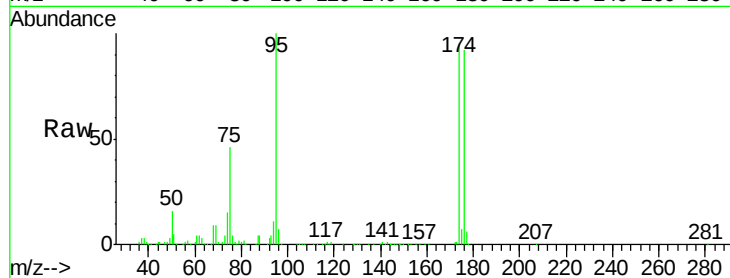
Tot Ion:173 Resp: 3033

Ion Ratio Lower Upper

173 100

175 835.3 24.6 74.0#

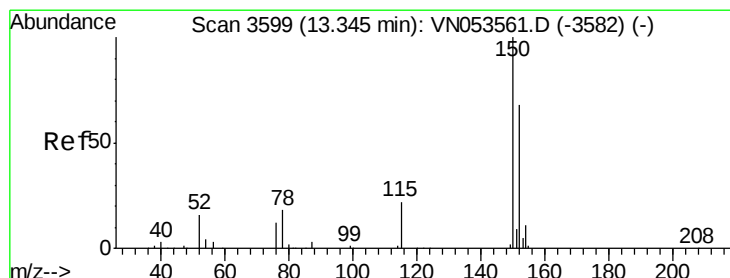
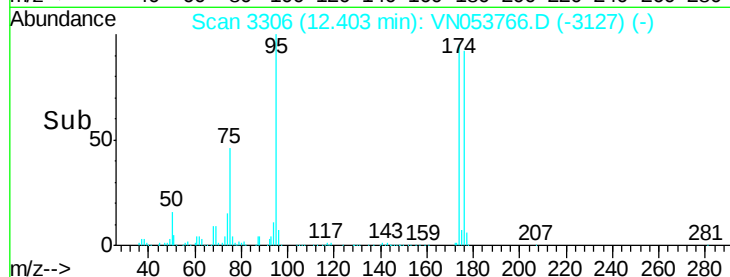
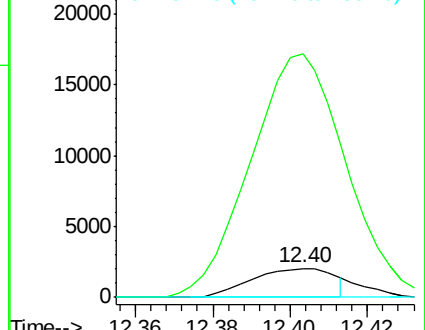
254 0.0 0.2 0.2#



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: VN053766.D

Acq: 13 Feb 2019 20:10

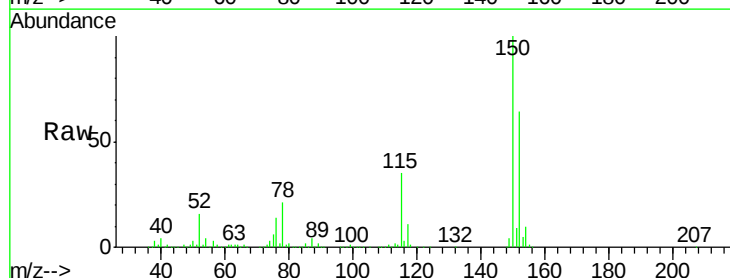
Tgt Ion:152 Resp: 399887

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.4

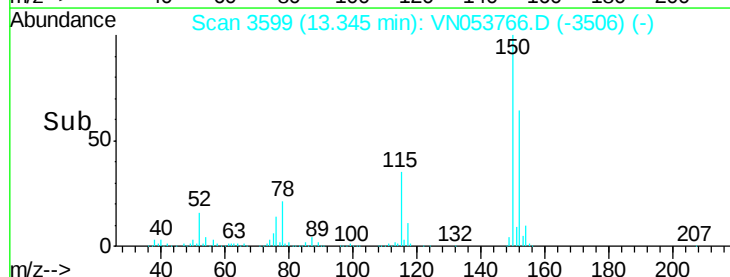
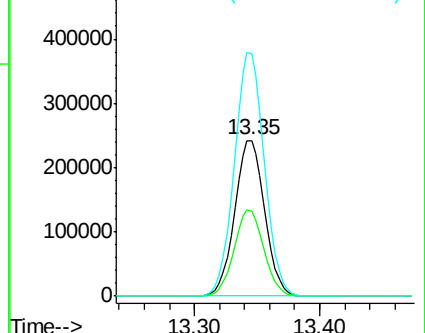
150 157.0 0.0 349.0

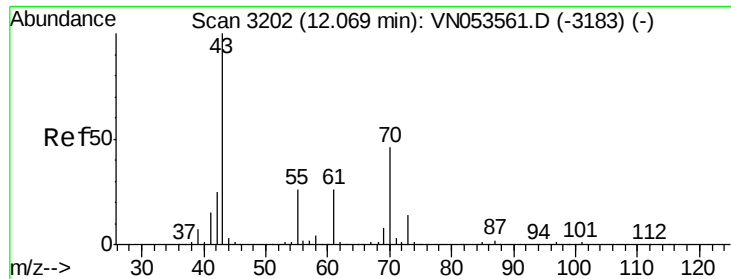


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 2.242 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

JC-02-021119-P

Tot Ion: 43 Resp: 15155

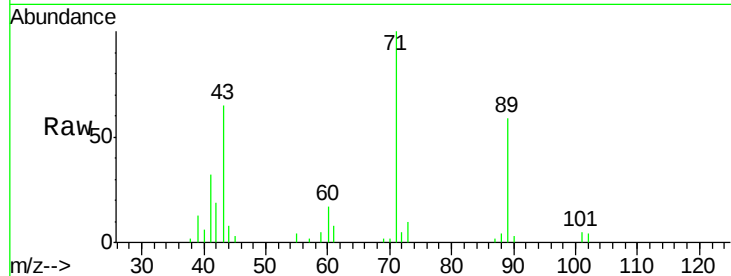
Ion Ratio Lower Upper

43 100

70 2.5 35.4 53.2#

55 5.5 20.9 31.3#

61 11.7 20.5 30.7#

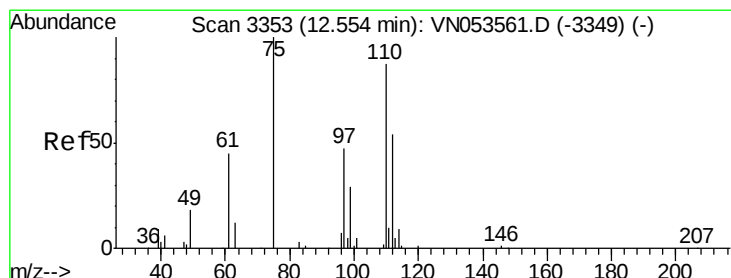
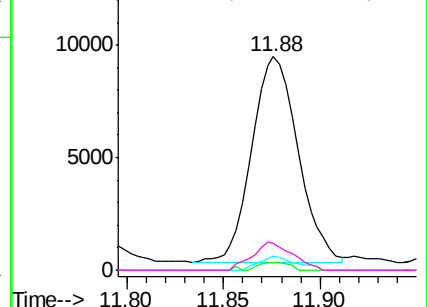
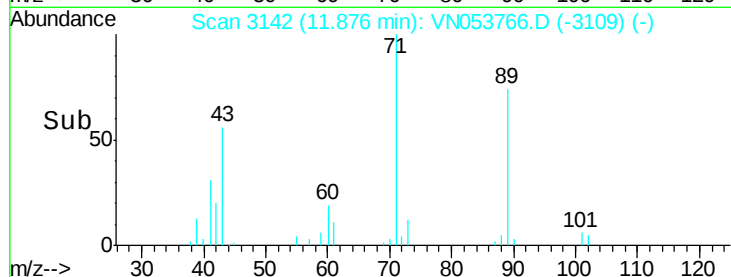


Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-3183) (-)

Ion 70.00 (69.70 to 70.70): VN053561.D (-3183) (-)

Ion 55.00 (54.70 to 55.70): VN053561.D (-3183) (-)

Ion 61.00 (60.70 to 61.70): VN053561.D (-3183) (-)



#76

1,2,3-Trichloropropane

Concen: 39.064 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053766.D

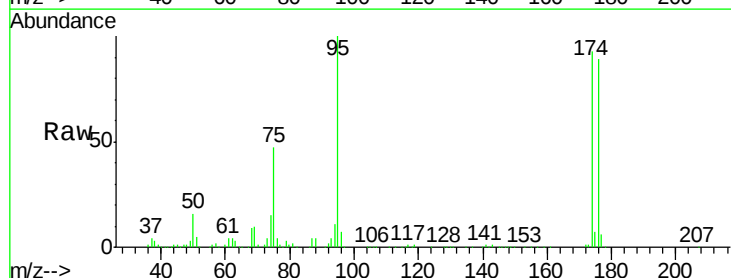
Acq: 13 Feb 2019 20:10

Tgt Ion: 75 Resp: 200643

Ion Ratio Lower Upper

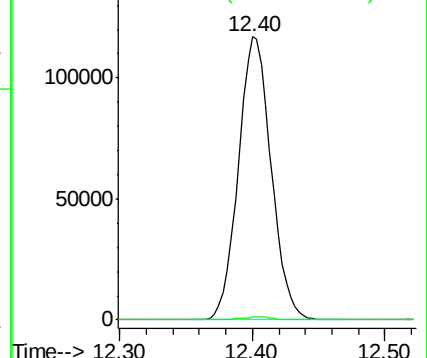
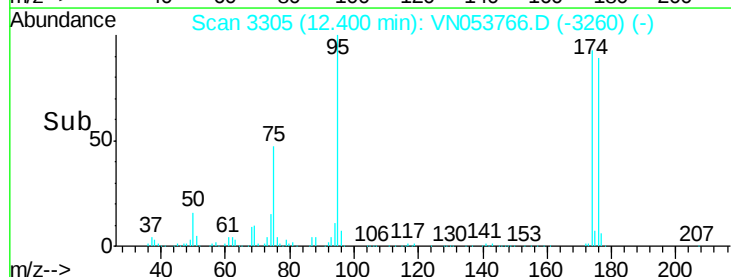
75 100

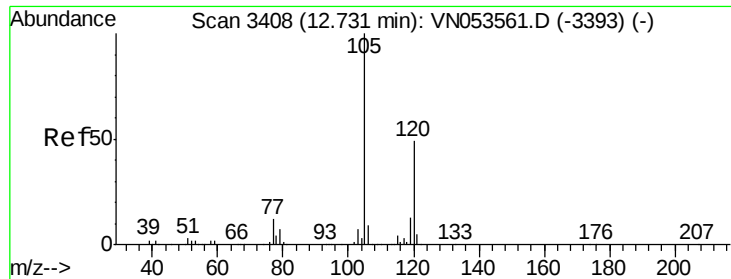
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN053561.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN053561.D (-3349) (-)





#80

1,3,5-Trimethylbenzene

Concen: 0.323 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

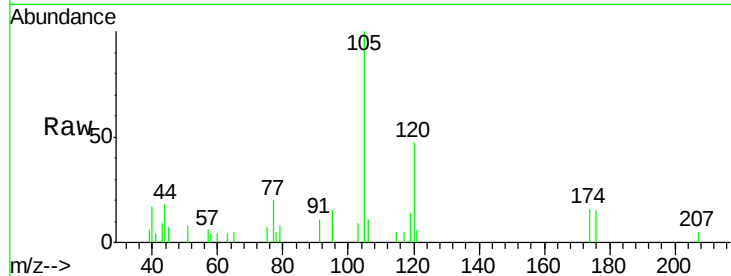
JC-02-021119-P

Tot Ion:105 Resp: 7528

Ion Ratio Lower Upper

105 100

120 48.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

4000

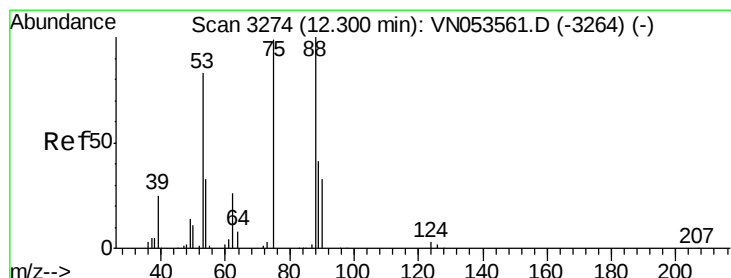
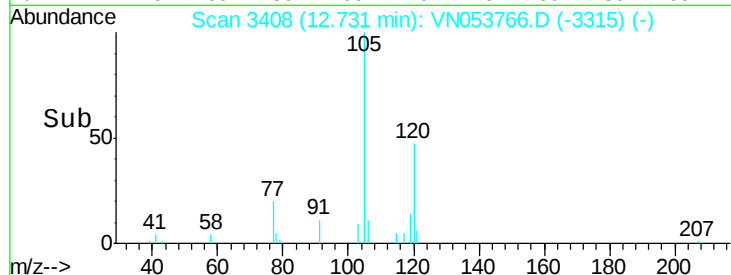
3000

2000

1000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 109.844 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

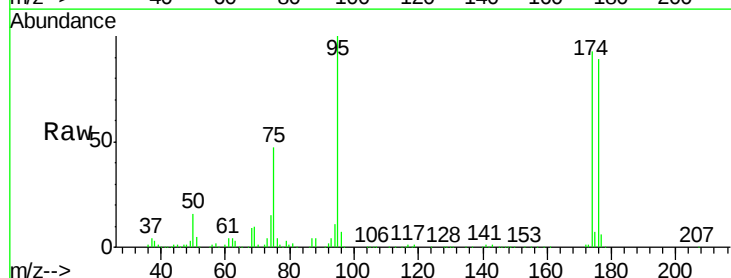
Tgt Ion: 75 Resp: 200643

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

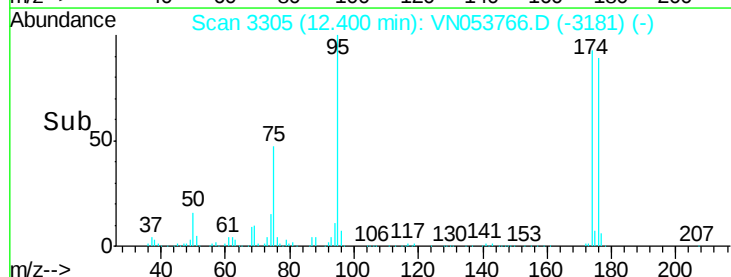
150000

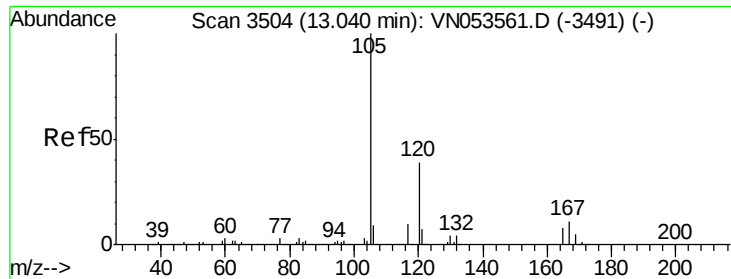
100000

50000

0

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 0.332 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_N

ClientSampleId :

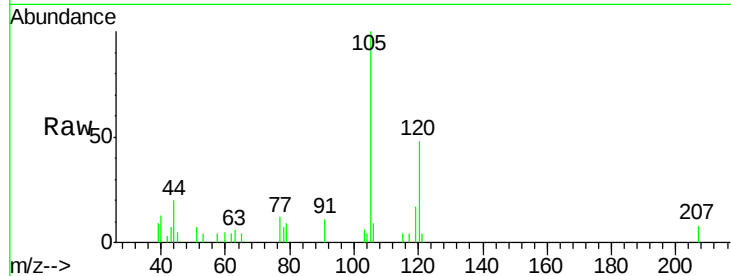
JC-02-021119-P

Tot Ion:105 Resp: 7880

Ion Ratio Lower Upper

105 100

120 48.1 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

5000

4000

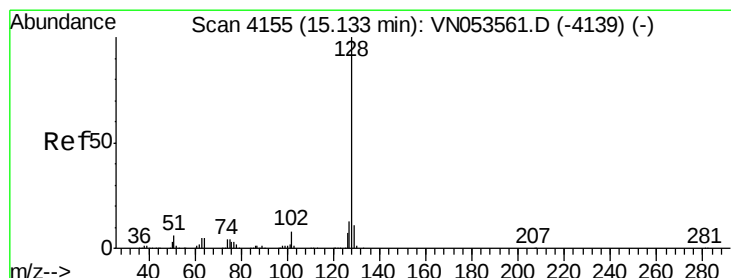
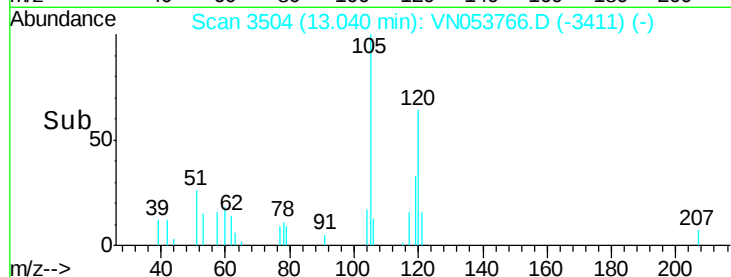
3000

2000

1000

0

Time-->



#95

Naphthalene

Concen: 2.128 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053766.D

Acq: 13 Feb 2019 20:10

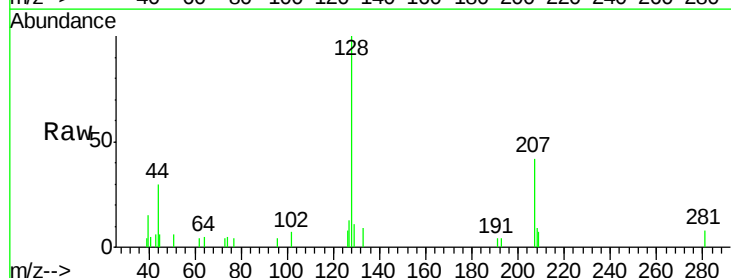
Tgt Ion:128 Resp: 7131

Ion Ratio Lower Upper

128 100

127 10.4 10.3 15.5

129 9.9 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

15.13

5000

4000

3000

2000

1000

0

Time-->

