

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021219\
 Data File : VN053721.D
 Acq On : 12 Feb 2019 10:57
 Operator : JC/SP
 Sample : VN0212WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBL01

Quant Time: Feb 13 04:11:42 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	7.66	168	725965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1203149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1092230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	427068	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	384496	52.79	ug/l	0.00
Spiked Amount			Recovery	=	105.58%	
35) Dibromofluoromethane	7.59	113	378165	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	10.09	98	1438441	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.40	95	474956	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	

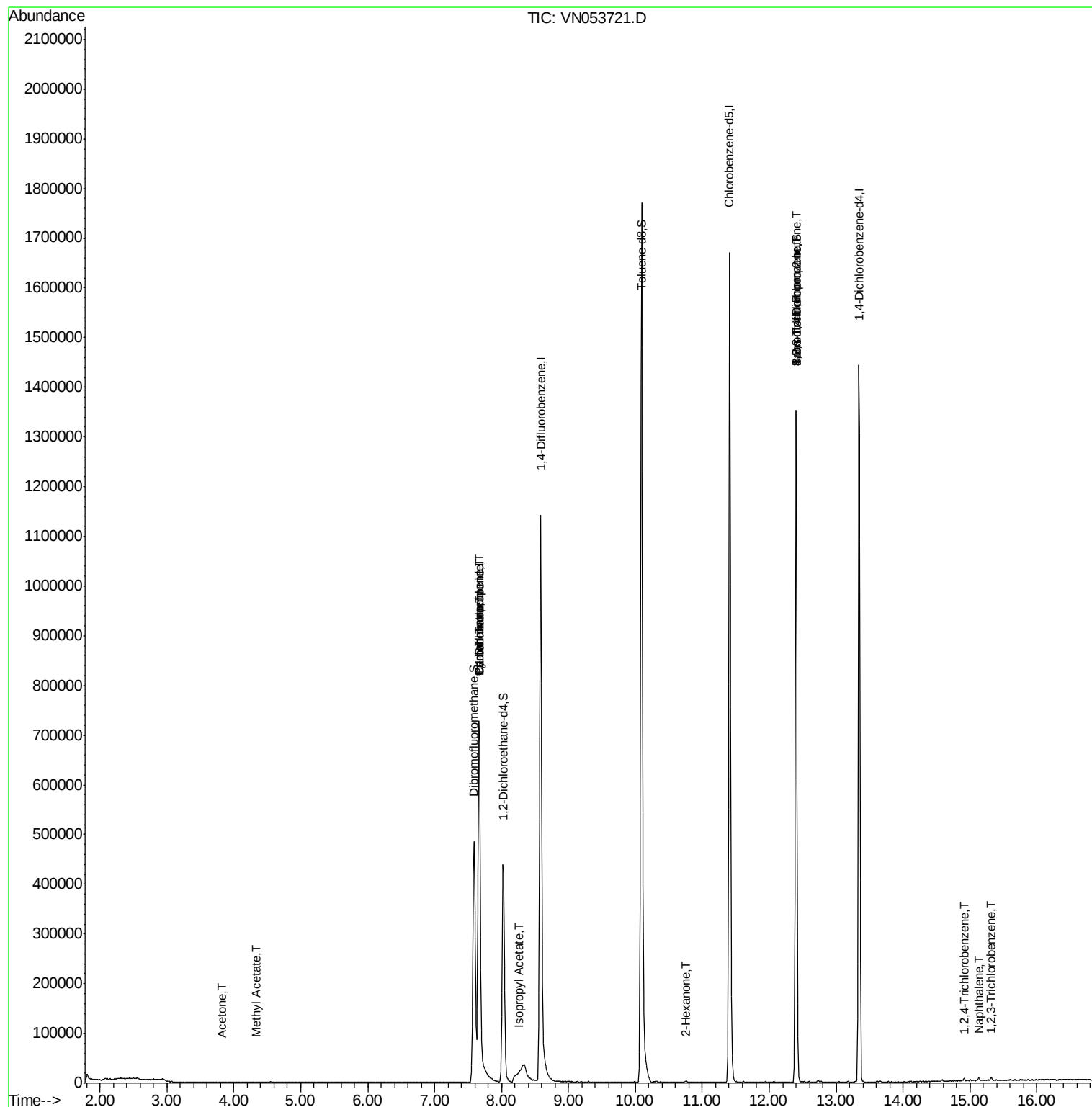
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	444	0.238	ug/l #	41
18) Methyl Acetate	4.34	43	2447	0.442	ug/l #	77
31) Cyclohexane	7.67	56	10499	0.685	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	43602	4.020	ug/l #	48
38) Carbon Tetrachloride	7.66	117	59377	5.435	ug/l #	17
43) Isopropyl Acetate	8.25	43	25936	2.217	ug/l #	51
59) 2-Hexanone	10.75	43	2342	0.600	ug/l	88
71) Bromoform	12.41	173	3404	0.613	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	220638	40.223	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	220638	113.103	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	2044	0.256	ug/l	97
95) Naphthalene	15.13	128	6335	2.062	ug/l	94
96) 1,2,3-Trichlorobenzene	15.32	180	3040	0.410	ug/l	96

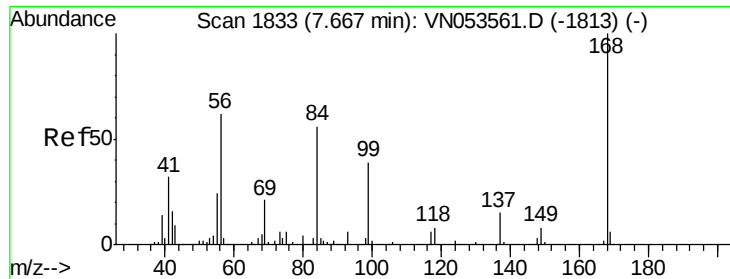
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021219\
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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053721.D

Acq: 12 Feb 2019 10:57

Instrument :

MSVOA_N

ClientSampleId :

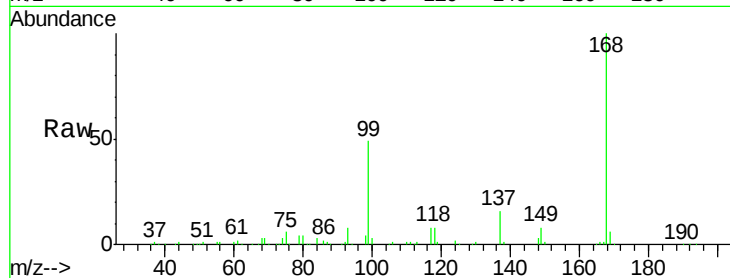
VN0212WBL01

Tot Ion:168 Resp: 725965

Ion Ratio Lower Upper

168 100

99 48.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

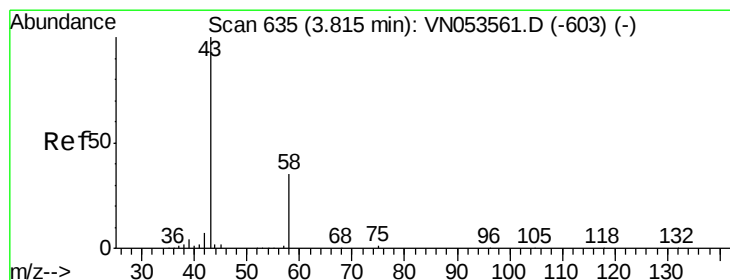
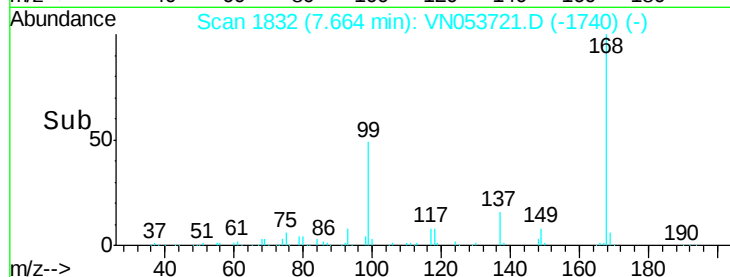
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 0.238 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN053721.D

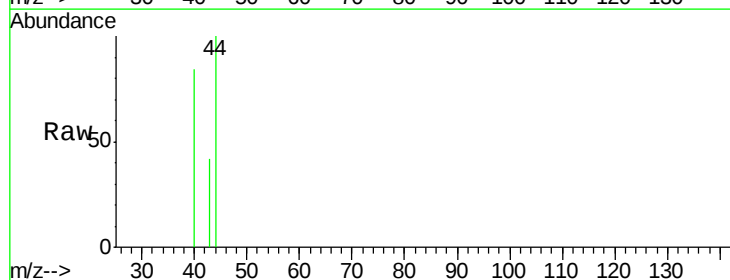
Acq: 12 Feb 2019 10:57

Tgt Ion: 43 Resp: 444

Ion Ratio Lower Upper

43 100

58 0.0 27.1 40.7#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.81

400

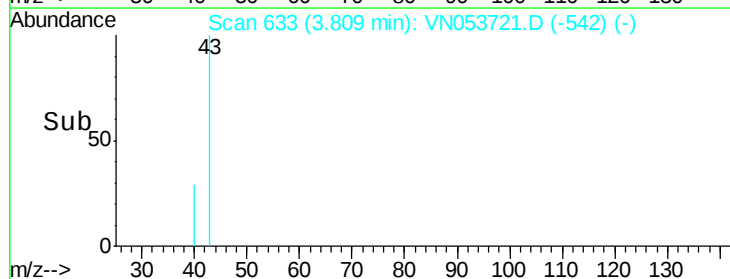
300

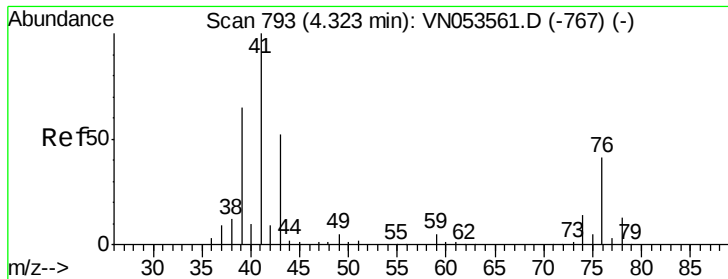
200

100

0

Time--> 3.78 3.80 3.82

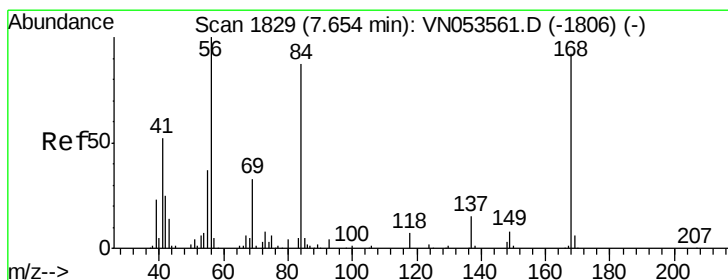
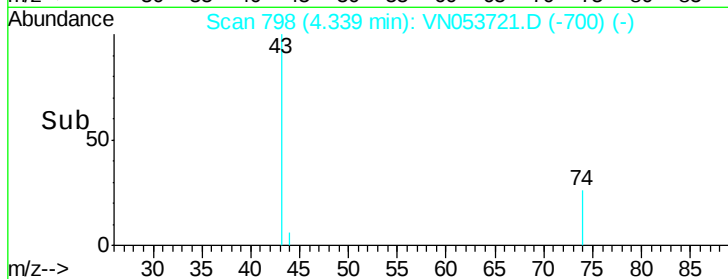
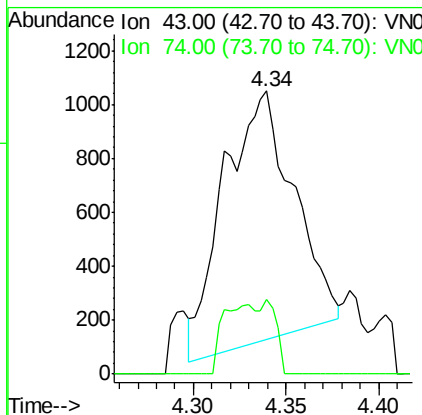
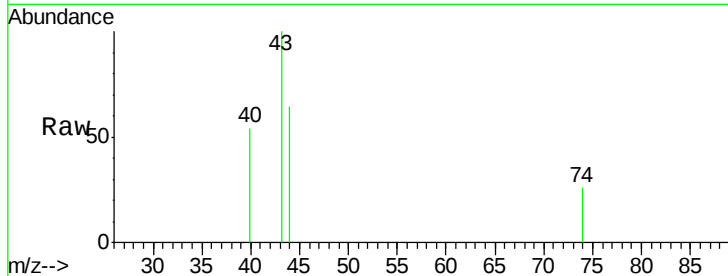




#18
Methyl Acetate
Concen: 0.442 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN053721.D
Acq: 12 Feb 2019 10:57

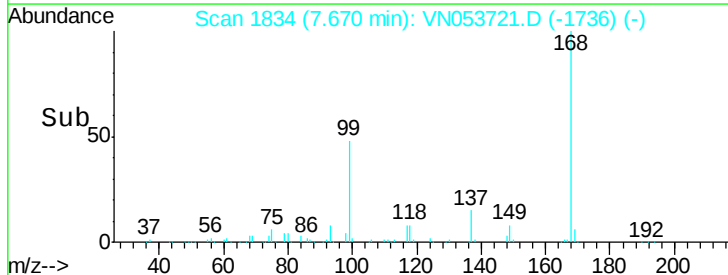
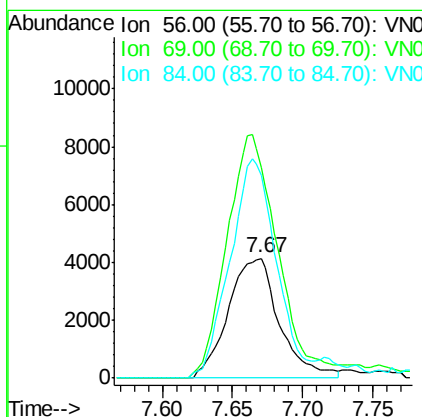
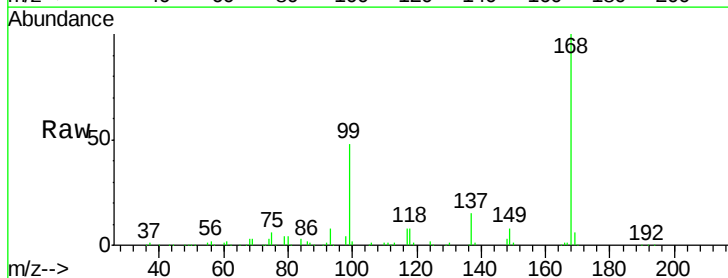
Instrument :
MSVOA_N
ClientSampleId :
VN0212WBL01

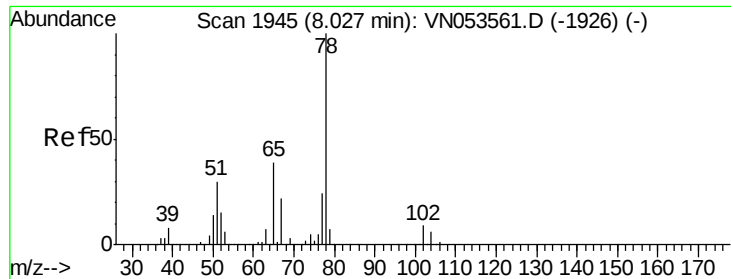
Tot Ion: 43 Resp: 2447
Ion Ratio Lower Upper
43 100
74 13.0 19.4 29.2#



#31
Cyclohexane
Concen: 0.685 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN053721.D
Acq: 12 Feb 2019 10:57

Tgt Ion: 56 Resp: 10499
Ion Ratio Lower Upper
56 100
69 175.7 26.4 39.6#
84 168.4 67.9 101.9#

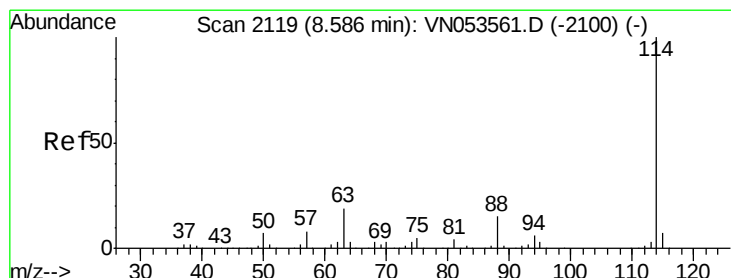
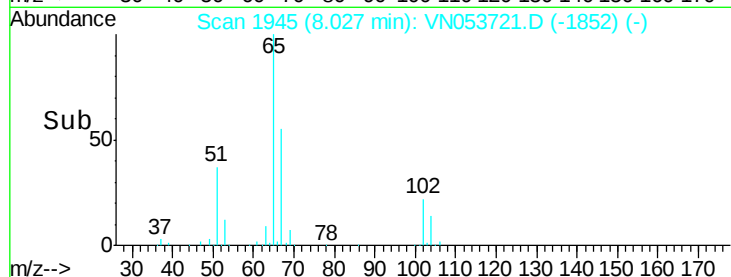
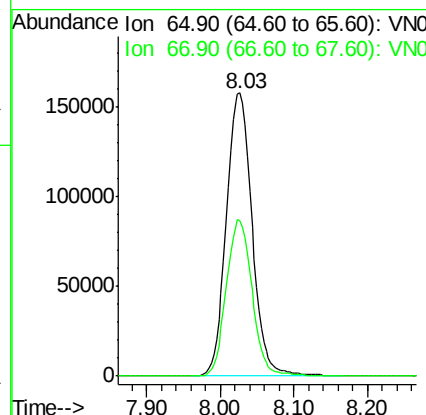
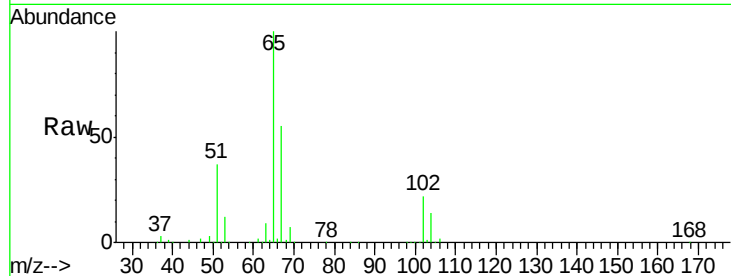




#33
 1,2-Dichloroethane-d4
 Concen: 52.795 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053721.D
 Acq: 12 Feb 2019 10:57

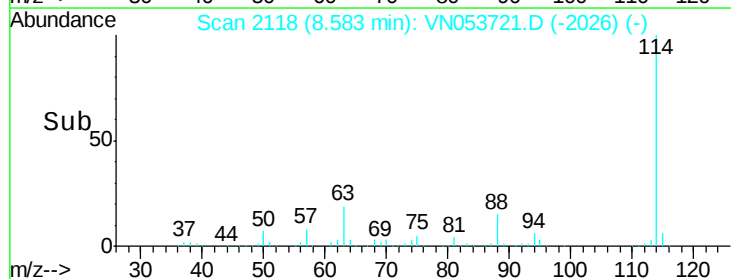
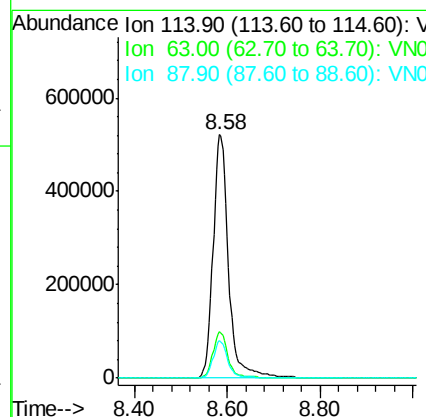
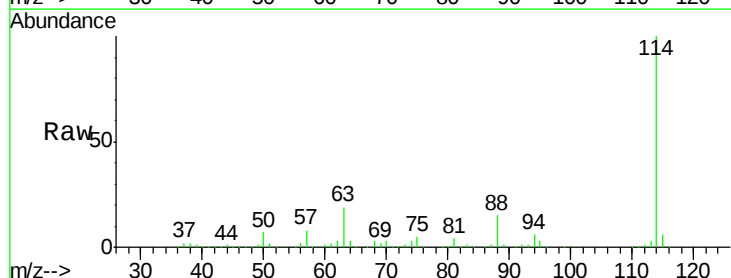
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBL01

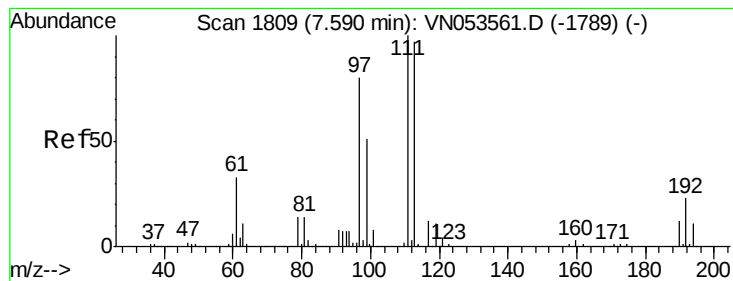
Tot Ion: 65 Resp: 384496
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053721.D
 Acq: 12 Feb 2019 10:57

Tgt Ion: 114 Resp: 1203149
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.743 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053721.D

Acq: 12 Feb 2019 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBL01

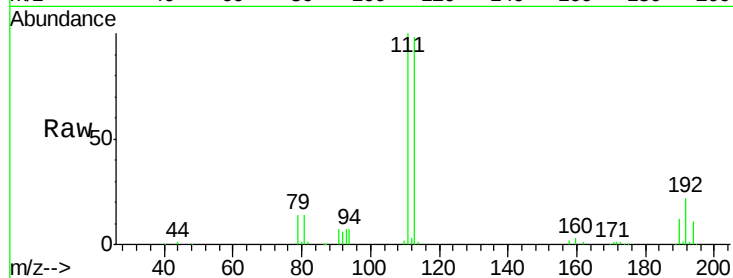
Tot Ion:113 Resp: 378165

Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

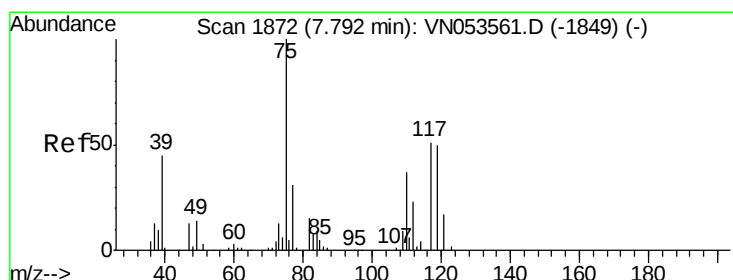
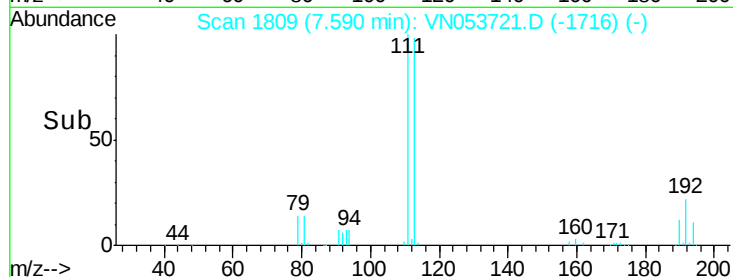
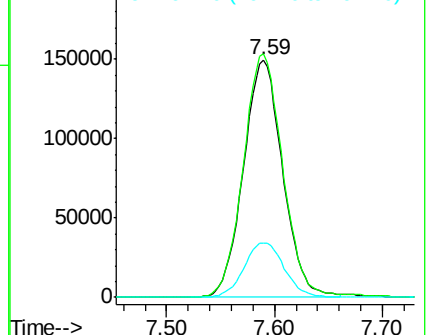
192 23.6 18.2 27.2



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: 4.020 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053721.D

Acq: 12 Feb 2019 10:57

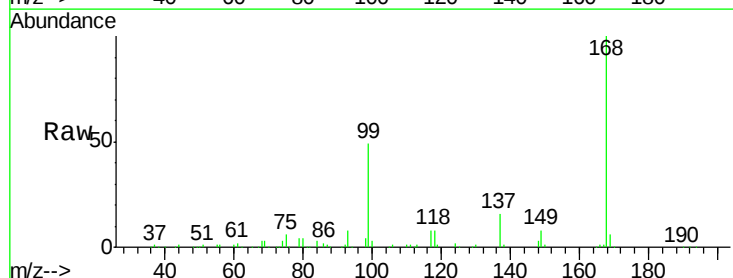
Tgt Ion: 75 Resp: 43602

Ion Ratio Lower Upper

75 100

110 8.5 18.1 54.3#

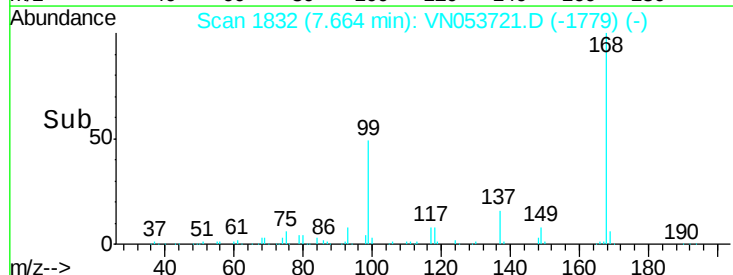
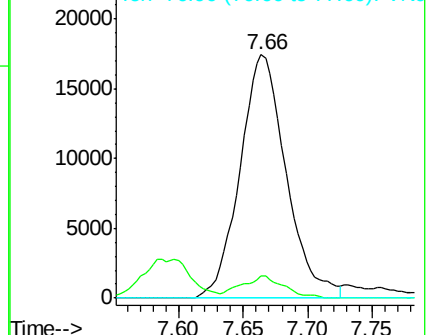
77 0.0 25.1 37.7#

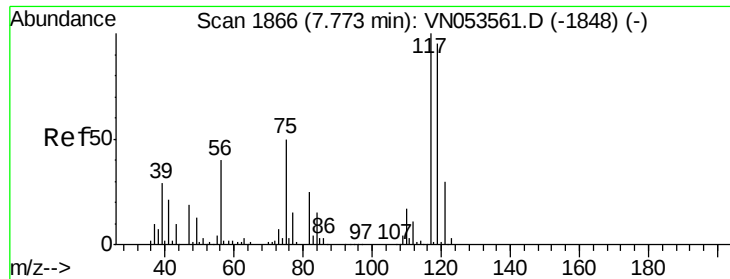


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.435 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053721.D

Acq: 12 Feb 2019 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBL01

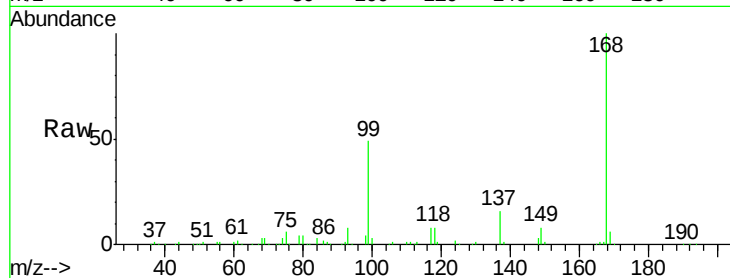
Tot Ion:117 Resp: 59377

Ion Ratio Lower Upper

117 100

119 7.0 77.2 115.8#

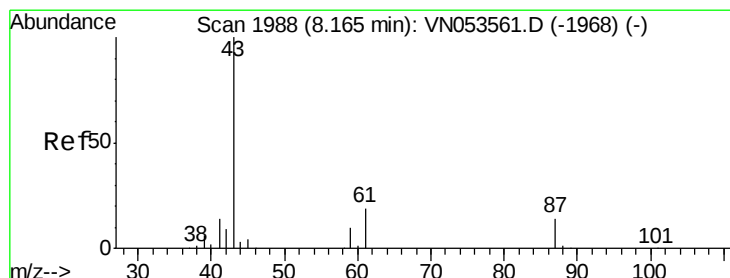
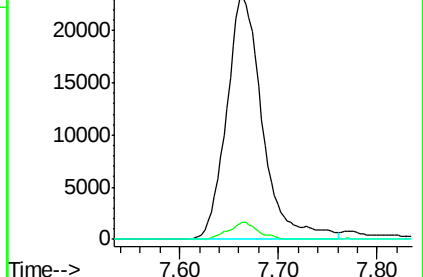
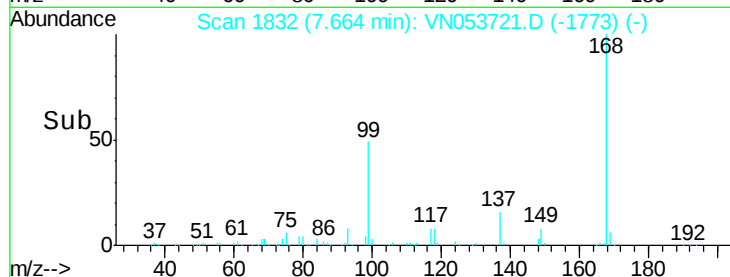
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.217 ug/l

RT: 8.25 min Scan# 2015

Delta R.T. 0.09 min

Lab File: VN053721.D

Acq: 12 Feb 2019 10:57

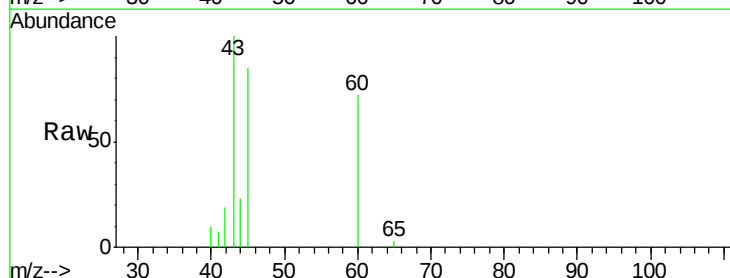
Tgt Ion: 43 Resp: 25936

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

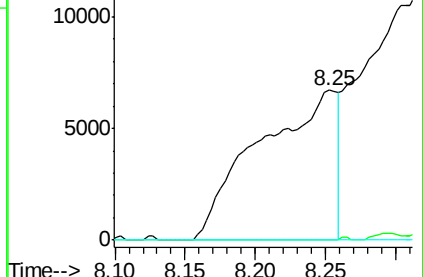
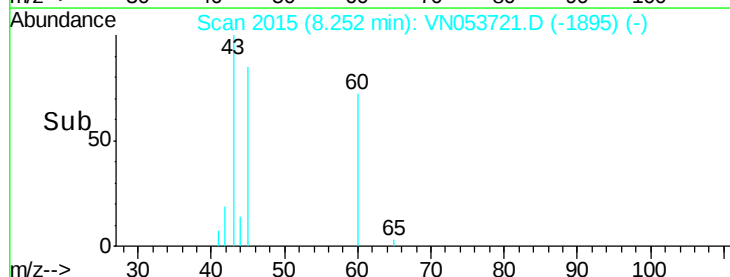
87 0.0 11.0 16.6#

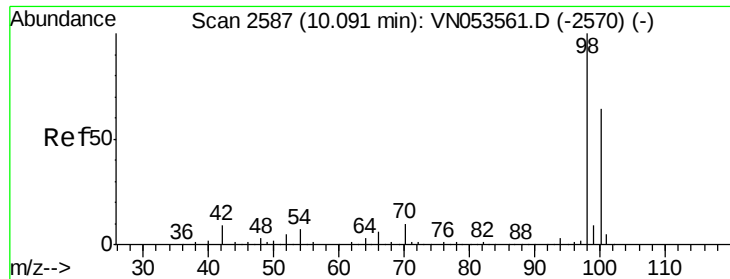


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 50.391 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053721.D

Acq: 12 Feb 2019 10:57

Instrument :

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ClientSampleId :

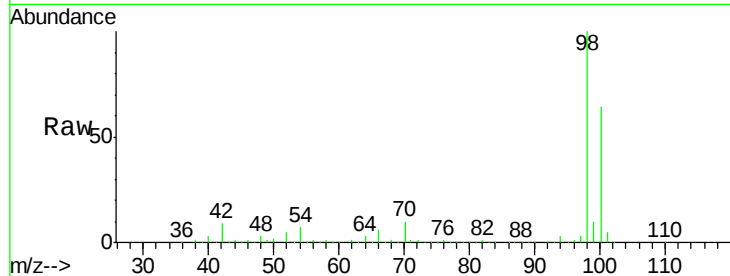
VN0212WBL01

Tot Ion: 98 Resp: 1438441

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

800000

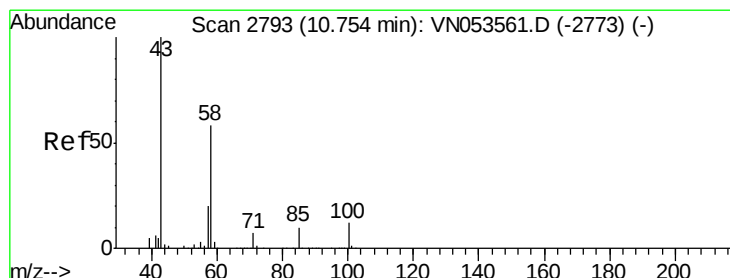
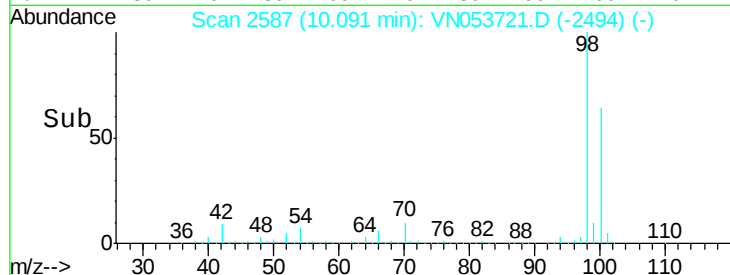
600000

400000

200000

0

Time-->



#59

2-Hexanone

Concen: 0.600 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN053721.D

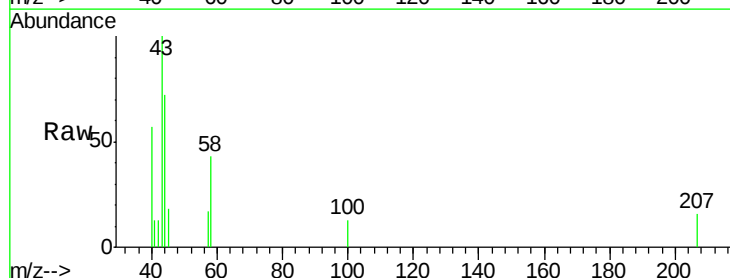
Acq: 12 Feb 2019 10:57

Tgt Ion: 43 Resp: 2342

Ion Ratio Lower Upper

43 100

58 48.2 28.6 85.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

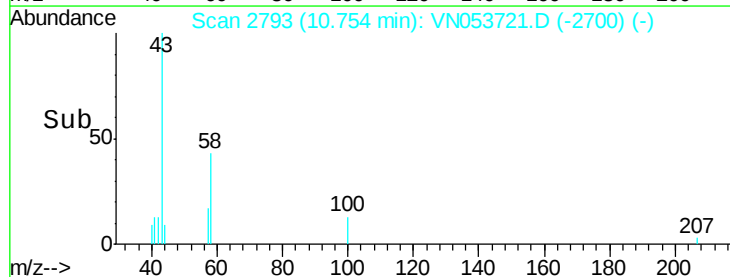
1500

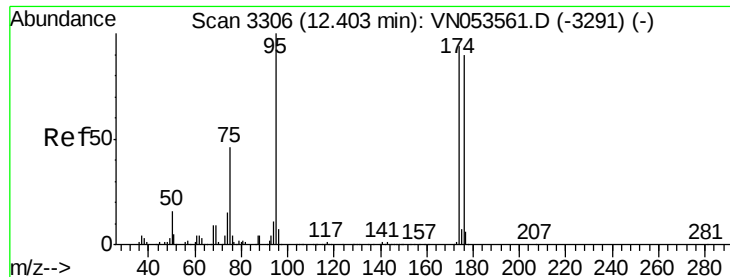
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 49.889 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053721.D

Acq: 12 Feb 2019 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBL01

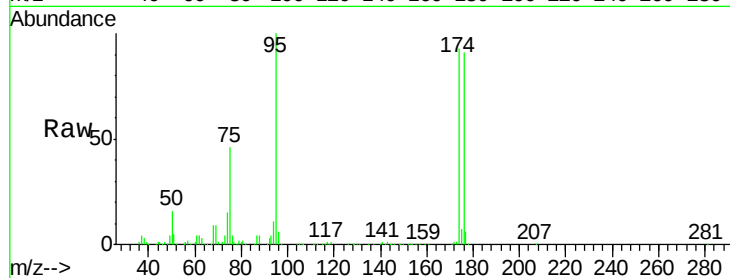
Tot Ion: 95 Resp: 474956

Ion Ratio Lower Upper

95 100

174 93.9 0.0 183.2

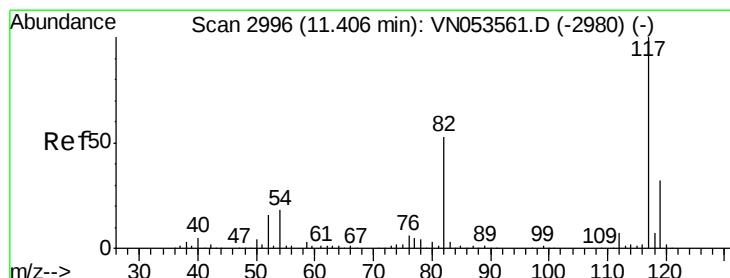
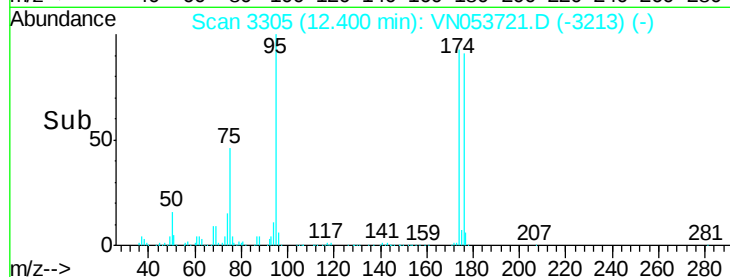
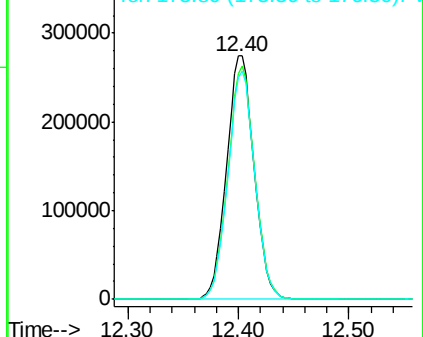
176 91.4 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053721.D

Acq: 12 Feb 2019 10:57

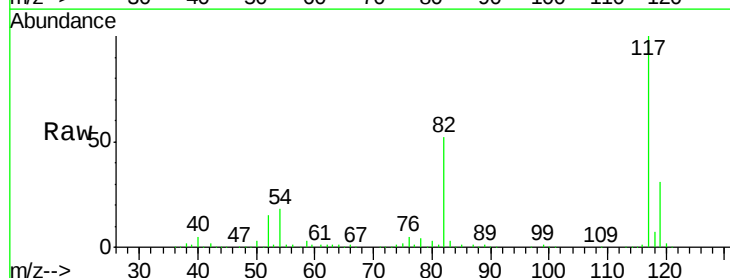
Tgt Ion: 117 Resp: 1092230

Ion Ratio Lower Upper

117 100

82 51.9 42.9 64.3

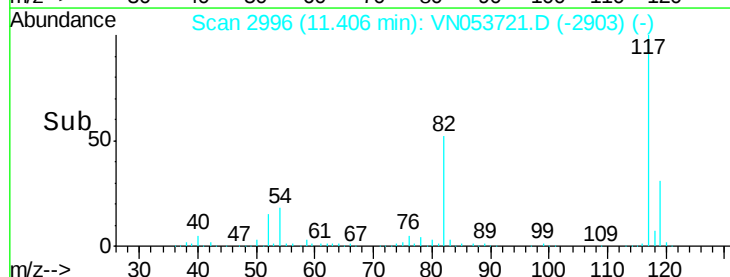
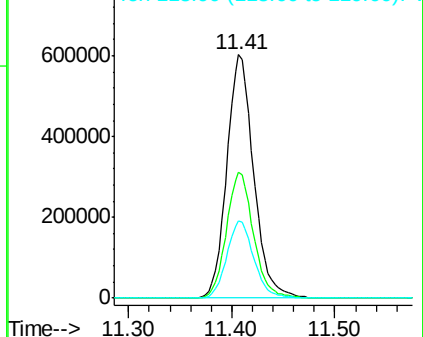
119 31.5 26.0 39.0

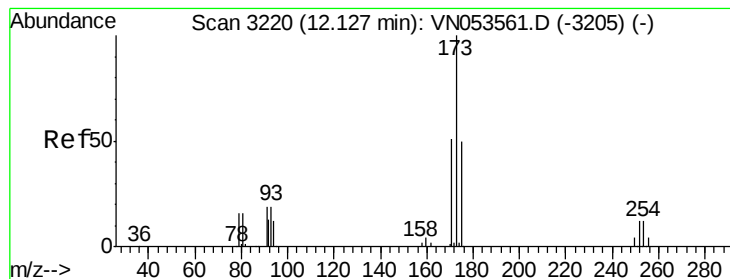


Abundance Ion 116.90 (116.60 to 117.60): VN053561.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053561.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053561.D (-2980) (-)





#71

Bromoform

Concen: 0.613 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN053721.D

Acq: 12 Feb 2019 10:57

Instrument :

MSVOA_N

ClientSampled :

VN0212WBL01

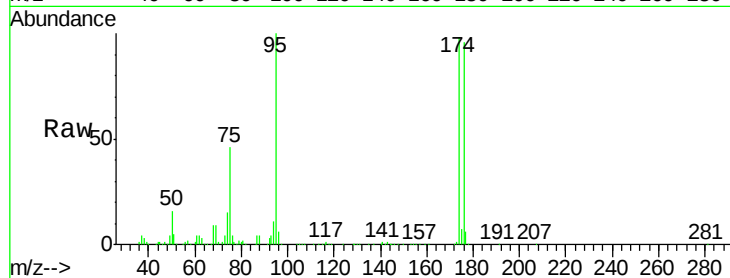
Tot Ion:173 Resp: 3404

Ion Ratio Lower Upper

173 100

175 835.6 24.6 74.0#

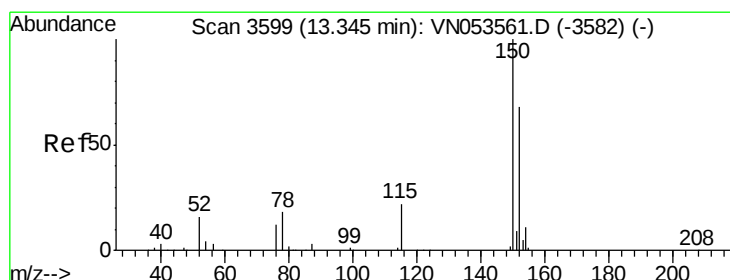
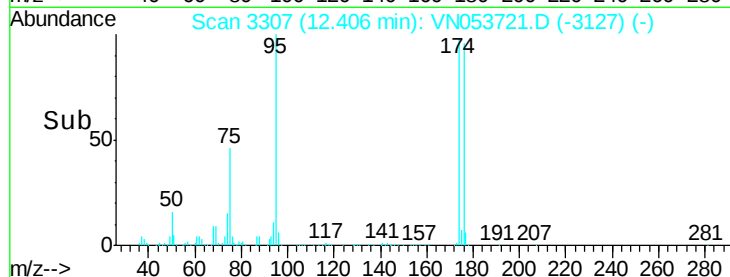
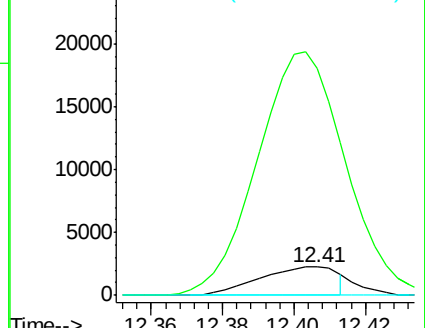
254 0.0 0.2 0.2#



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: VN053721.D

Acq: 12 Feb 2019 10:57

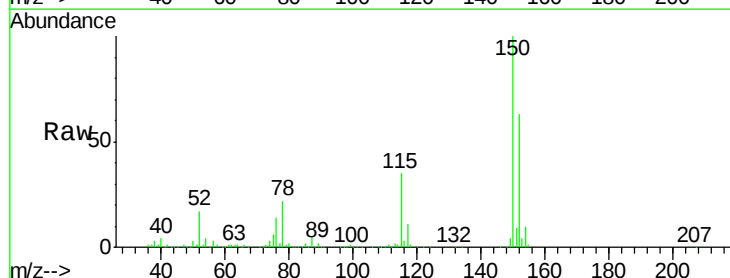
Tgt Ion:152 Resp: 427068

Ion Ratio Lower Upper

152 100

115 55.4 27.8 83.4

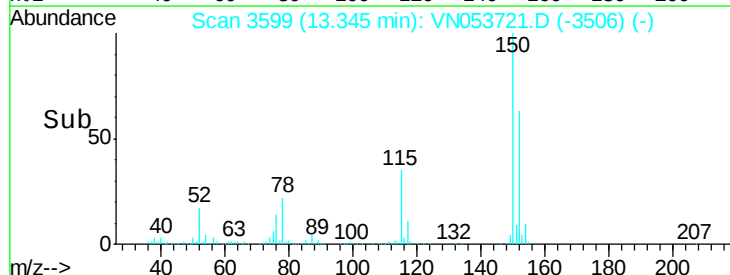
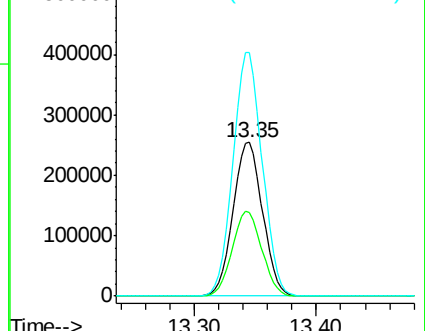
150 157.7 0.0 349.0

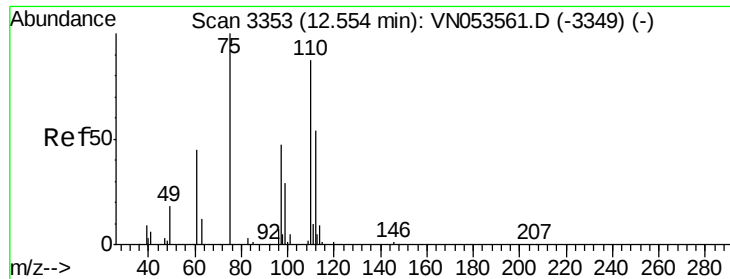


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

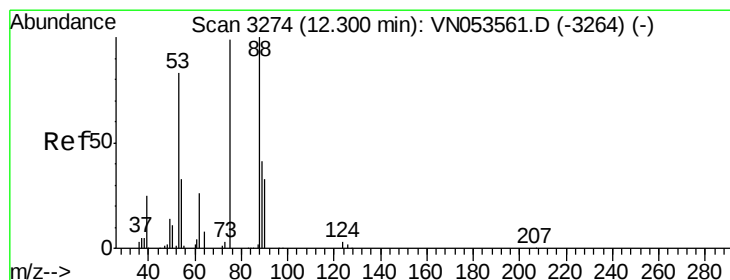
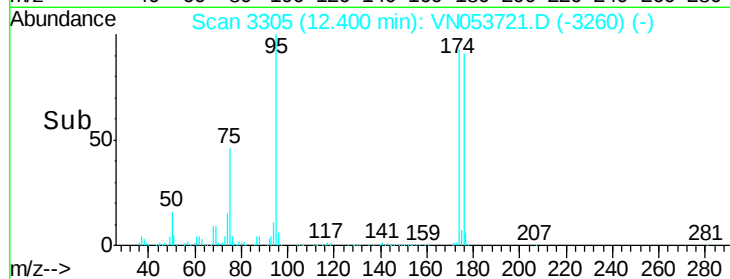
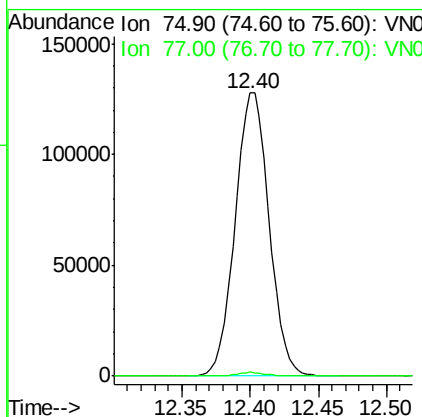
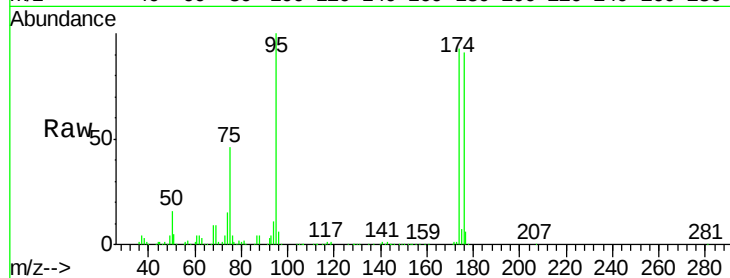




#76
 1,2,3-Trichloropropane
 Concen: 40.223 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN053721.D
 Acq: 12 Feb 2019 10:57

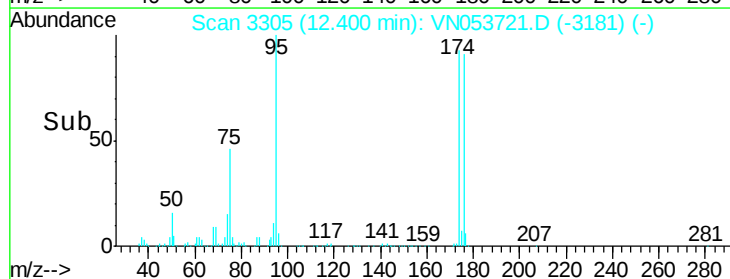
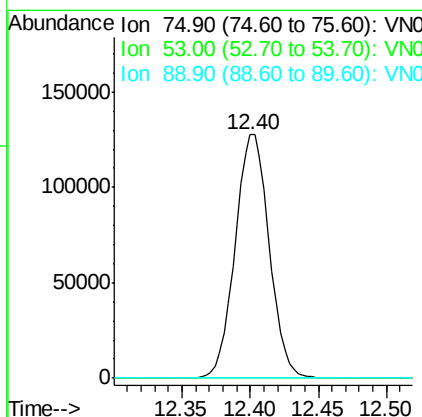
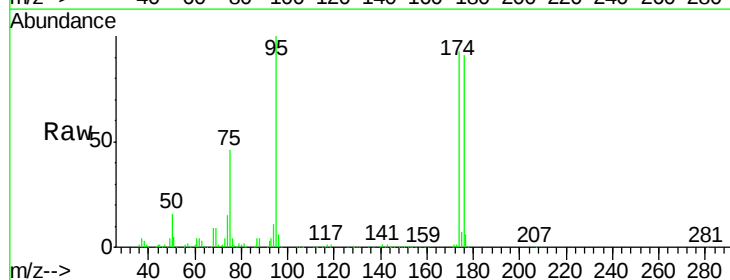
Instrument :
 MSVOA_N
 ClientSampled :
 VN0212WBL01

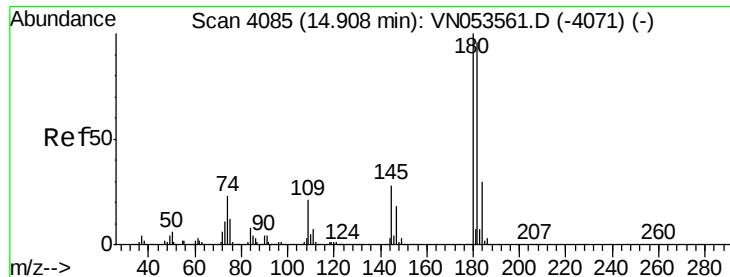
Tot Ion: 75 Resp: 220638
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.103 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053721.D
 Acq: 12 Feb 2019 10:57

Tgt Ion: 75 Resp: 220638
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.8 104.6#
 89 0.0 35.6 53.4#

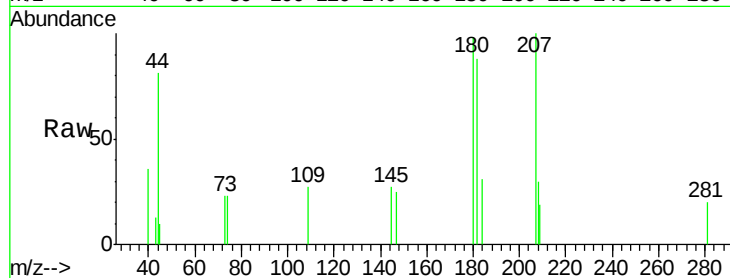




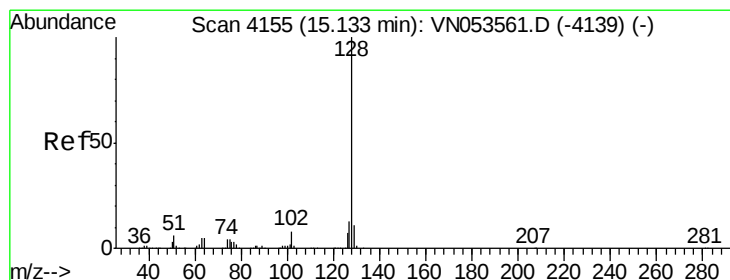
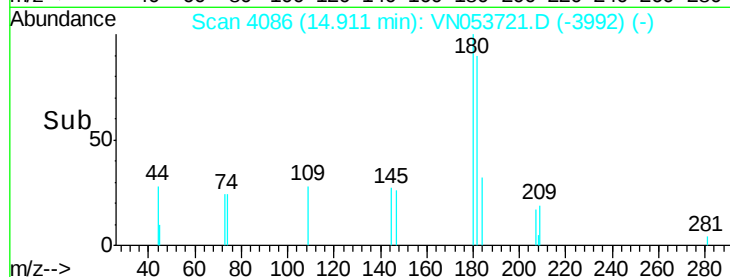
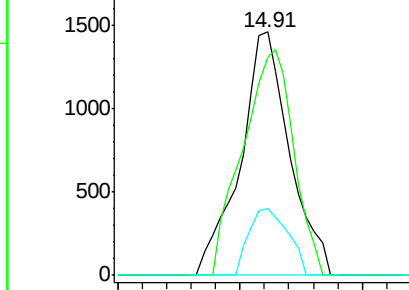
#93
 1,2,4-Trichlorobenzene
 Concen: 0.256 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053721.D
 Acq: 12 Feb 2019 10:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBL01

Tot Ion:180 Resp: 2044
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.1 144.3
 145 21.6 13.9 41.6

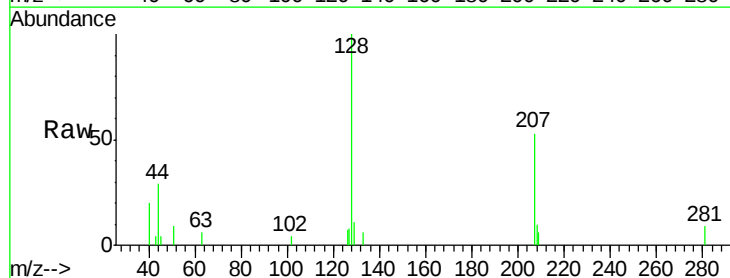


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

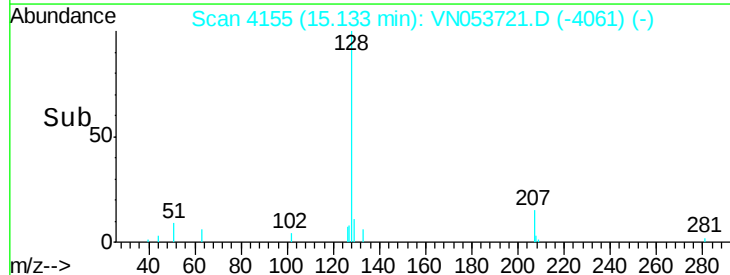
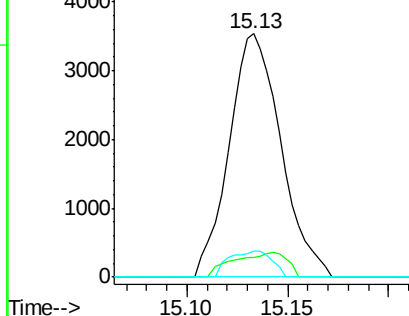


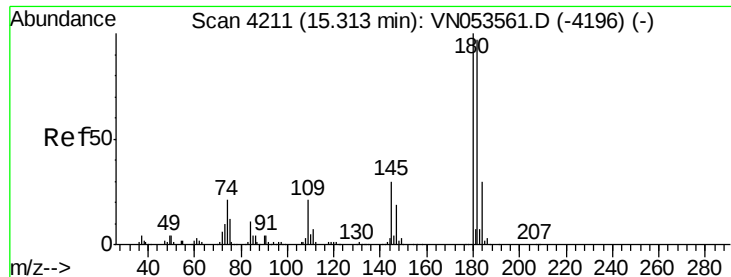
#95
 Naphthalene
 Concen: 2.062 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053721.D
 Acq: 12 Feb 2019 10:57

Tgt Ion:128 Resp: 6335
 Ion Ratio Lower Upper
 128 100
 127 10.5 10.3 15.5
 129 9.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

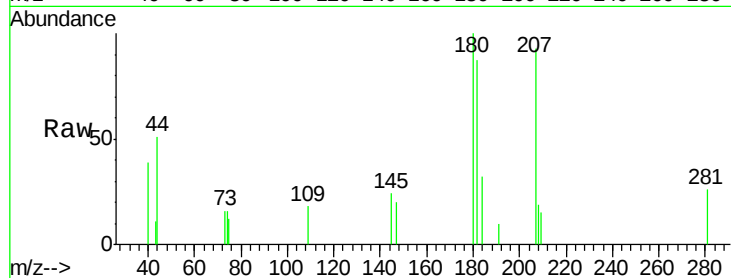




#96
 1,2,3-Trichlorobenzene
 Concen: 0.410 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053721.D
 Acq: 12 Feb 2019 10:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.9	143.8
145	23.4	14.7	44.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

