

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110419\
 Data File : VN059075.D
 Acq On : 4 Nov 2019 10:42
 Operator : JC/SP
 Sample : VN1104WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBL01

Quant Time: Nov 05 01:17:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	457111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	719063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	623052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	222602	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	301561	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
35) Dibromofluoromethane	7.57	113	226819	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	10.08	98	884443	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.40	95	279682	43.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.16%	

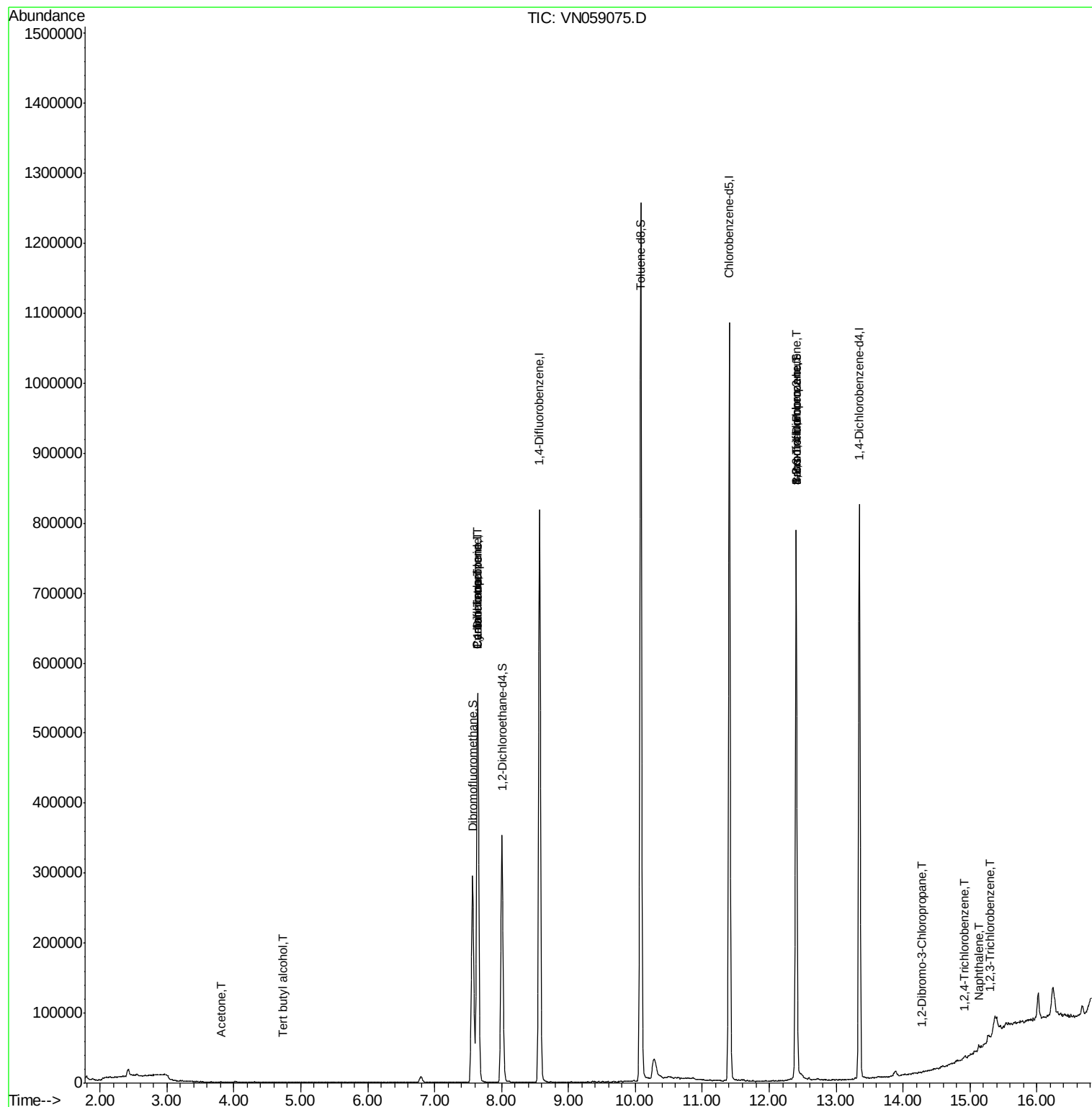
Target Compounds						Qvalue
11) Tert butyl alcohol	4.72	59	559	0.499	ug/l #	72
16) Acetone	3.81	43	690	0.225	ug/l #	43
31) Cyclohexane	7.64	56	9376	1.005	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	35282	4.937	ug/l #	50
38) Carbon Tetrachloride	7.64	117	44107	6.333	ug/l #	16
71) Bromoform	12.40	173	1318	0.362	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	139720	26.524	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	139720	67.995	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.28	75	282	0.224	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	901	0.231	ug/l #	86
95) Naphthalene	15.14	128	3679	3.270	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	1319	0.332	ug/l	97

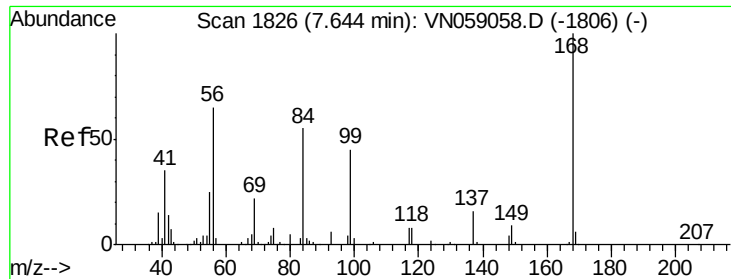
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:43:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059075.D

Acq: 4 Nov 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

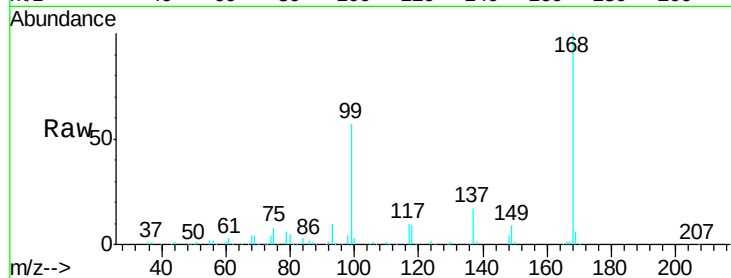
VN1104WBL01

Tgt Ion:168 Resp: 457111

Ion Ratio Lower Upper

168 100

99 57.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

200000

150000

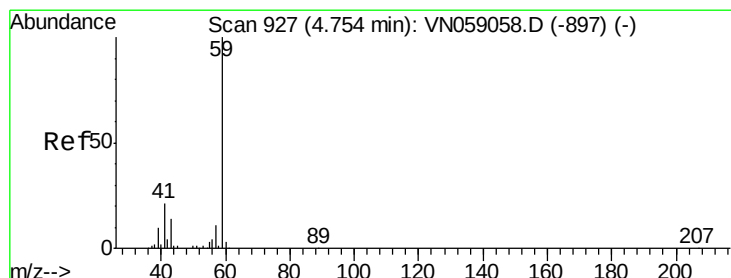
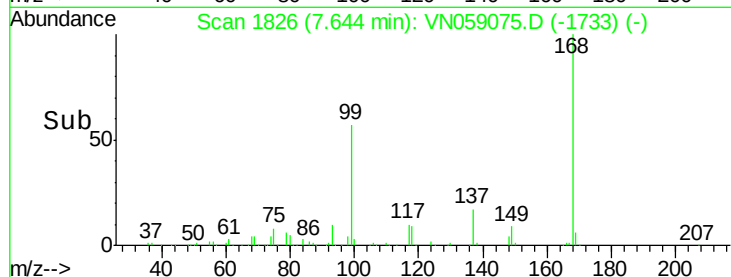
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.499 ug/l

RT: 4.72 min Scan# 916

Delta R.T. -0.04 min

Lab File: VN059075.D

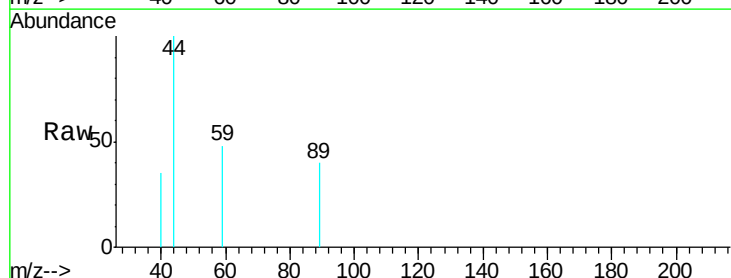
Acq: 4 Nov 2019 10:42

Tgt Ion: 59 Resp: 559

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.72

400

300

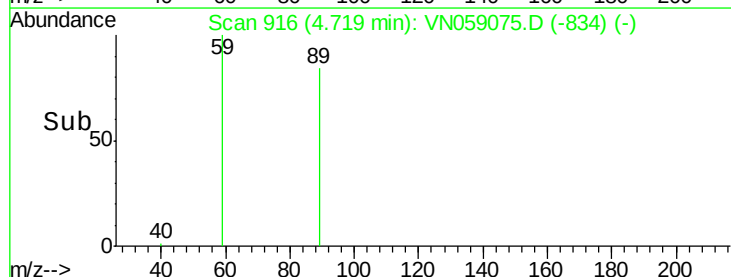
200

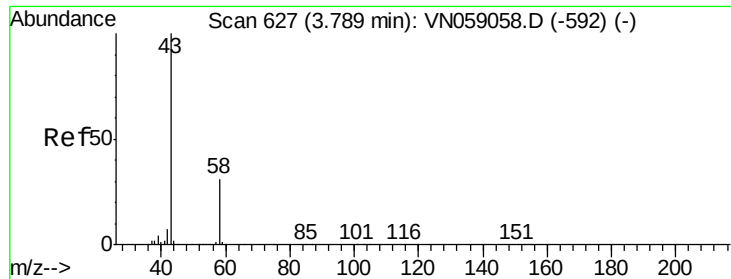
100

0

4.70 4.72 4.74 4.76

Time-->





#16

Acetone

Concen: 0.225 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.02 min

Lab File: VN059075.D

Acq: 4 Nov 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

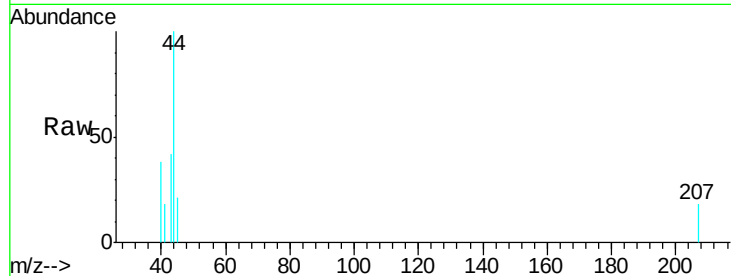
VN1104WBL01

Tgt Ion: 43 Resp: 690

Ion Ratio Lower Upper

43 100

58 0.0 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.81

400

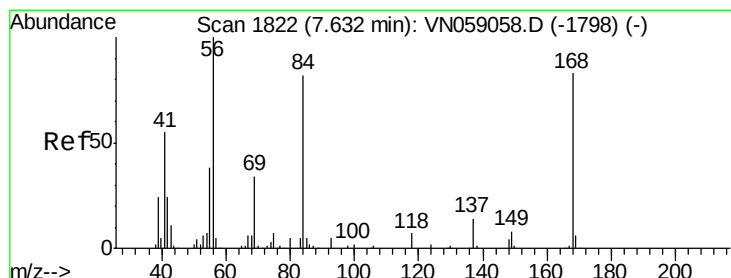
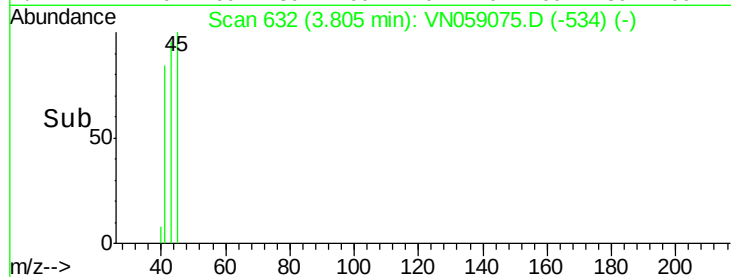
300

200

100

0

Time--> 3.76 3.78 3.80 3.82



#31

Cyclohexane

Concen: 1.005 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059075.D

Acq: 4 Nov 2019 10:42

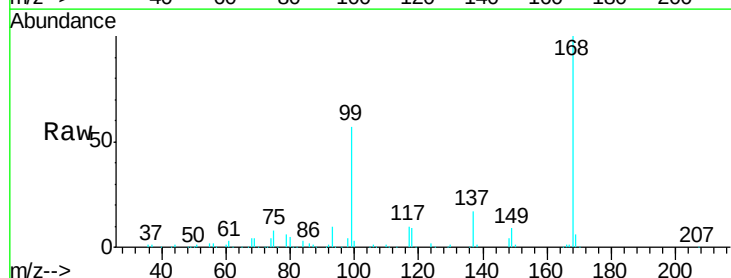
Tgt Ion: 56 Resp: 9376

Ion Ratio Lower Upper

56 100

69 175.3 27.2 40.8#

84 139.2 65.2 97.8#



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

8000

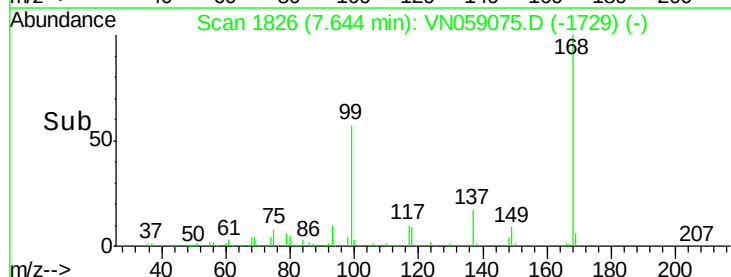
6000

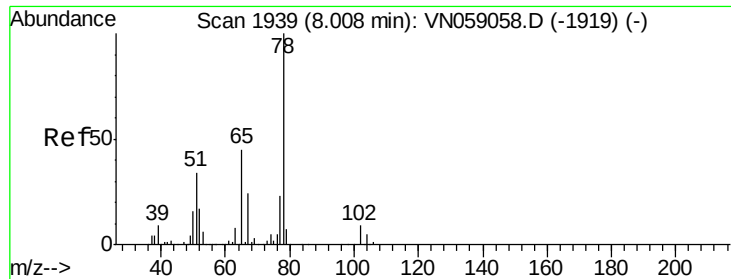
4000

2000

0

Time--> 7.60 7.65 7.70

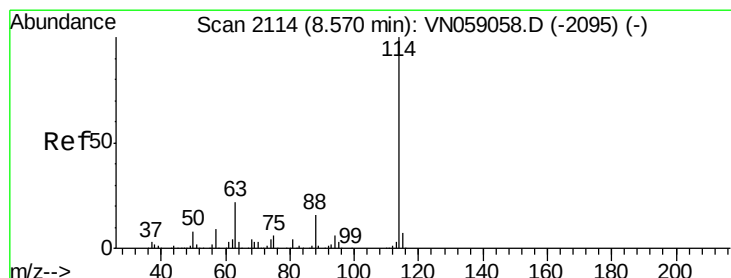
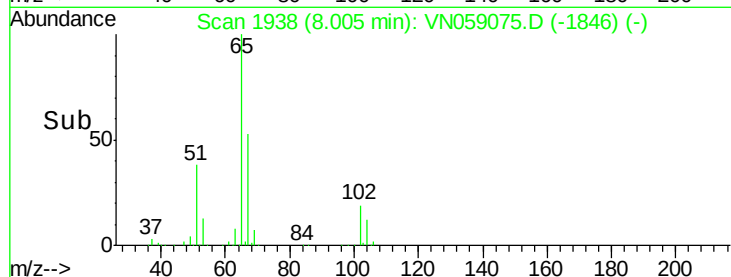
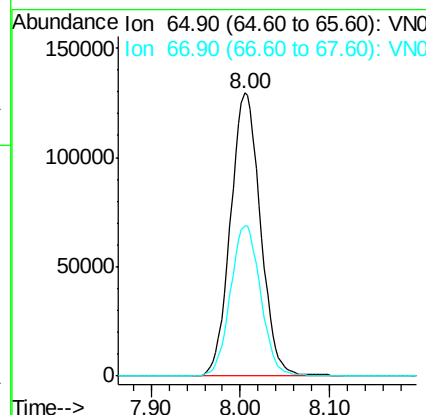
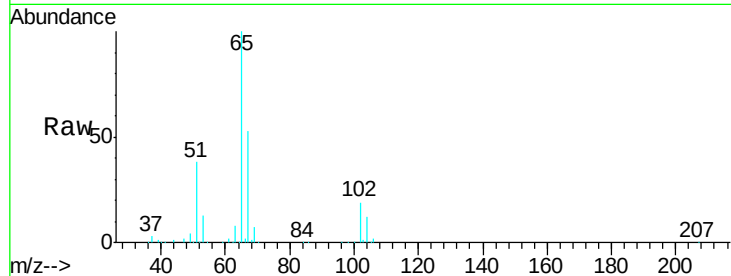




#33
 1,2-Dichloroethane-d4
 Concen: 49.813 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059075.D
 Acq: 4 Nov 2019 10:42

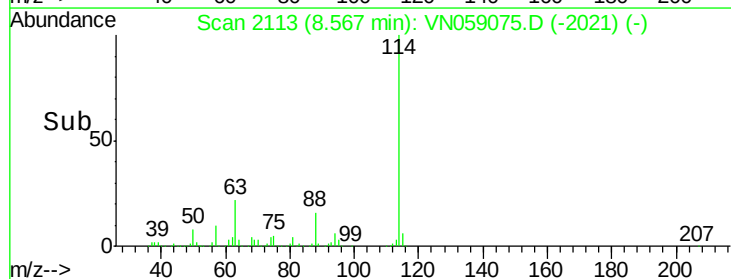
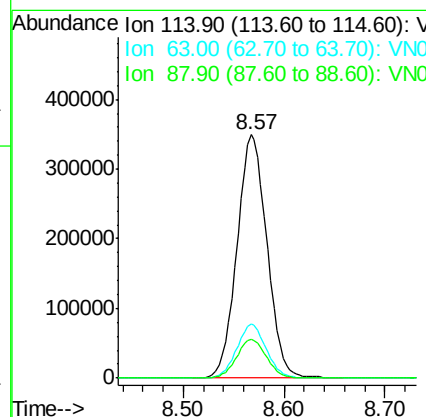
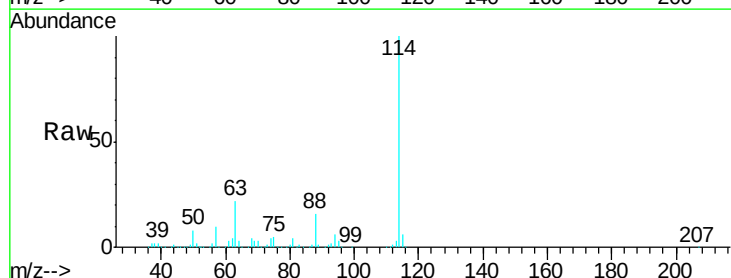
Instrument :
 MSVOA_N
 ClientSampled :
 VN1104WBL01

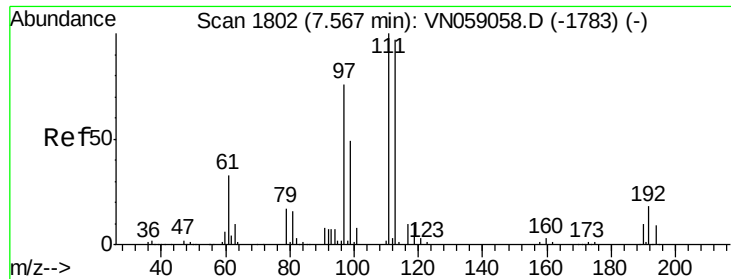
Tgt Ion: 65 Resp: 301561
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059075.D
 Acq: 4 Nov 2019 10:42

Tgt Ion: 114 Resp: 719063
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.2
 88 16.0 0.0 33.0

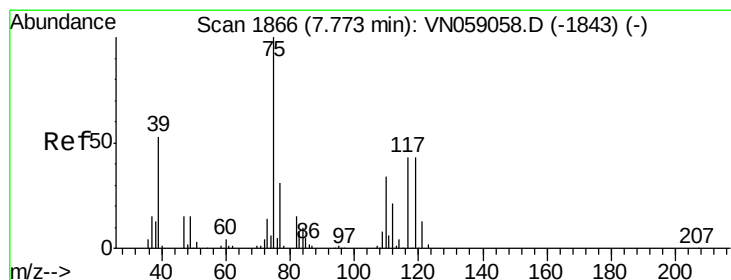
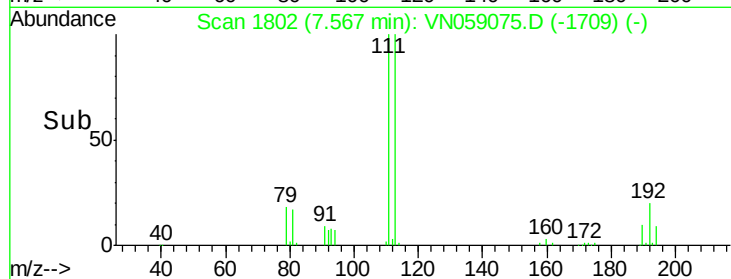
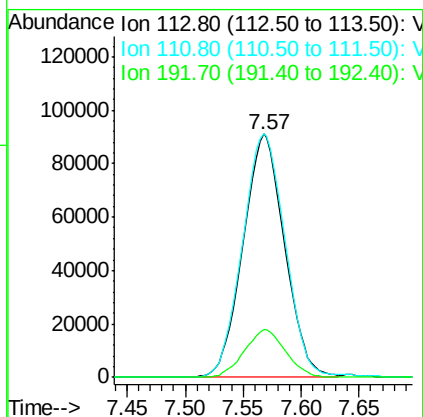
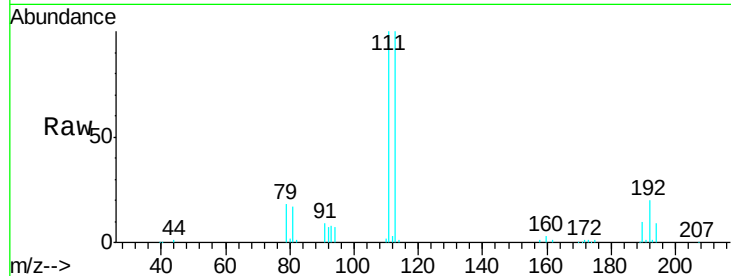




#35
 Dibromofluoromethane
 Concen: 48.896 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059075.D
 Acq: 4 Nov 2019 10:42

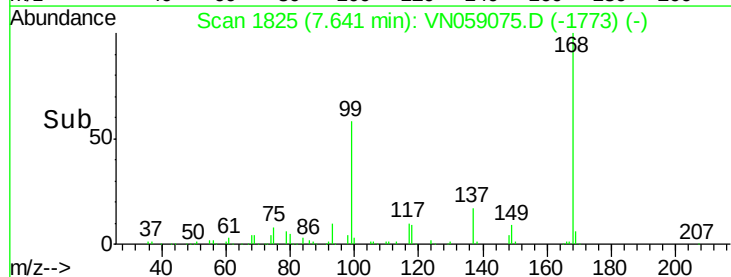
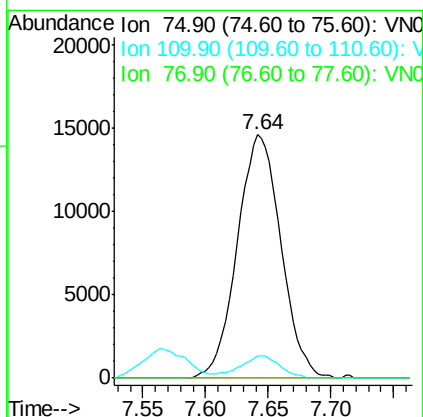
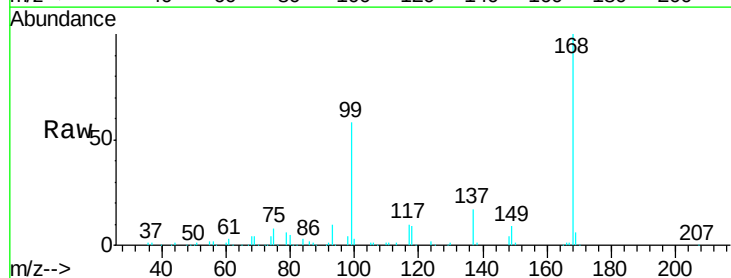
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBL01

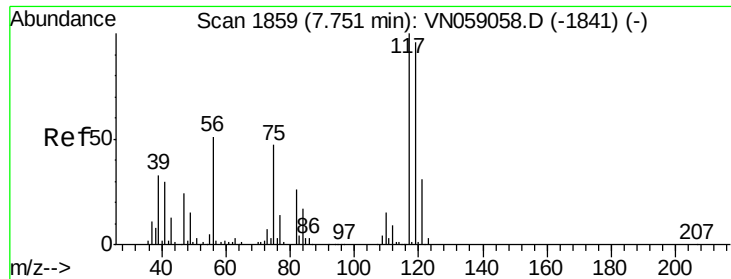
Tgt Ion: 113 Resp: 226819
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.9 124.3
 192 19.5 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 4.937 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059075.D
 Acq: 4 Nov 2019 10:42

Tgt Ion: 75 Resp: 35282
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.9 50.6#
 77 0.0 25.0 37.4#

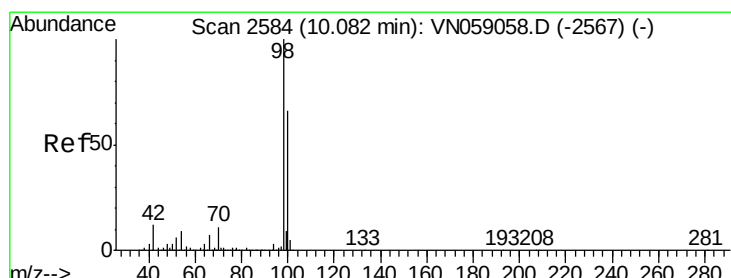
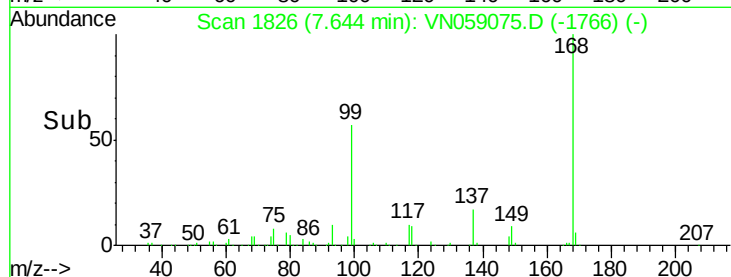
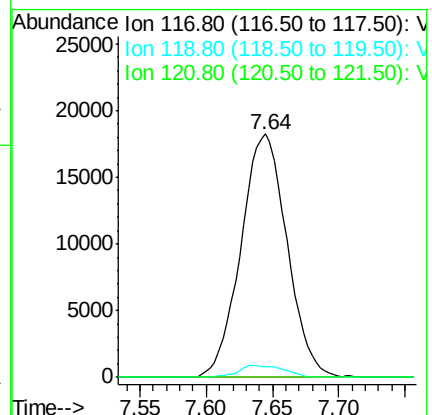
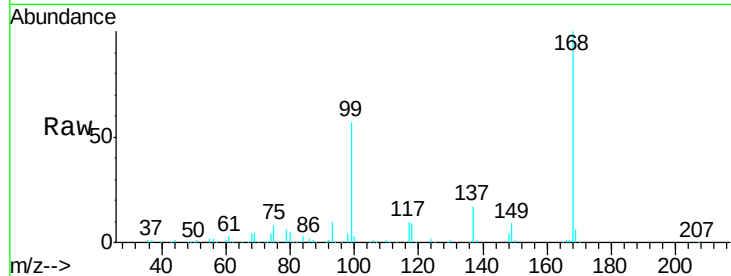




#38
Carbon Tetrachloride
Concen: 6.333 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059075.D
Acq: 4 Nov 2019 10:42

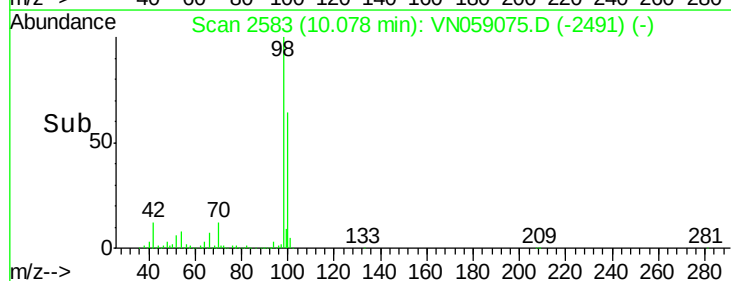
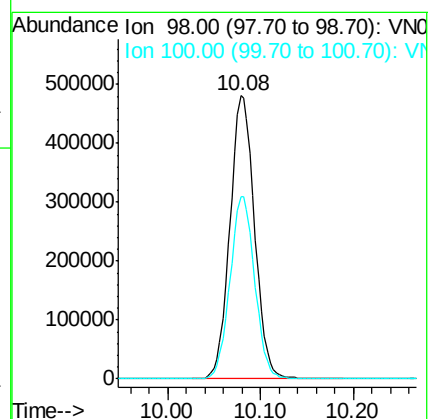
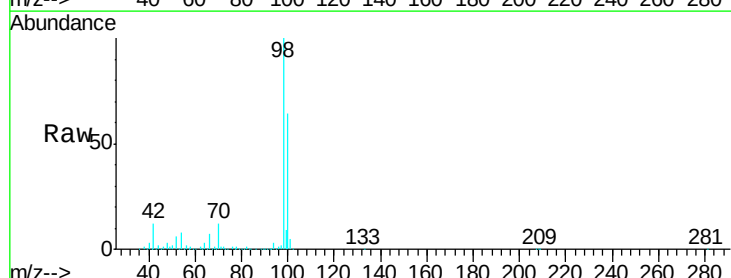
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBL01

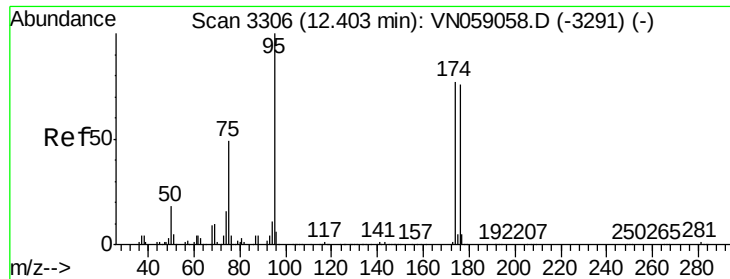
Tgt Ion: 117 Resp: 44107
Ion Ratio Lower Upper
117 100
119 4.5 76.6 114.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 48.972 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059075.D
Acq: 4 Nov 2019 10:42

Tgt Ion: 98 Resp: 884443
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 43.080 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059075.D

Acq: 4 Nov 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBL01

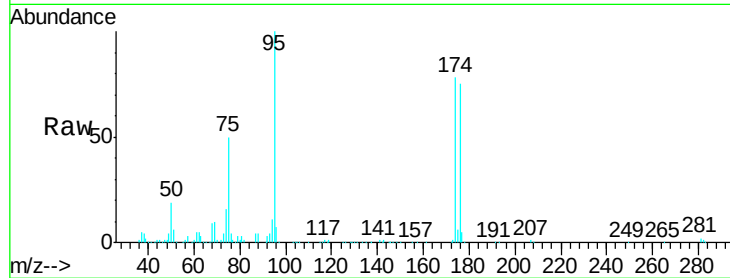
Tgt Ion: 95 Resp: 279682

Ion Ratio Lower Upper

95 100

174 76.4 0.0 155.8

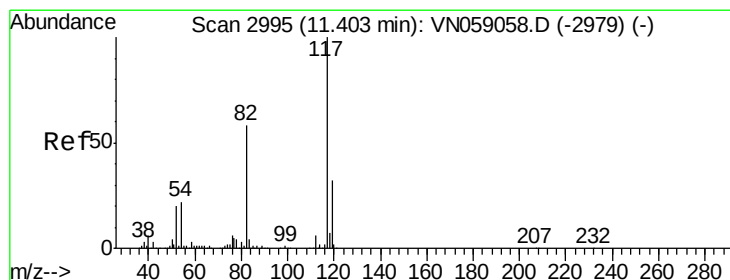
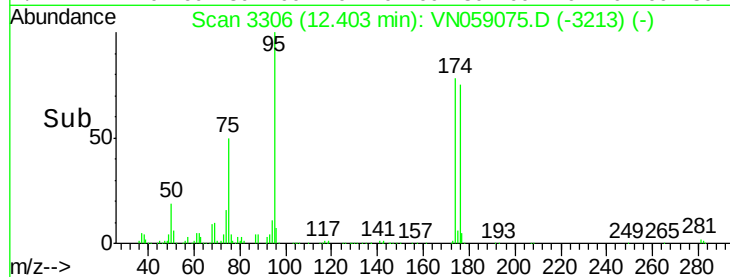
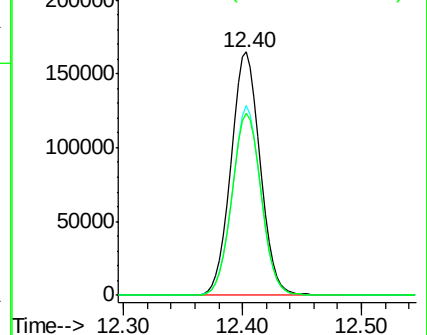
176 75.2 0.0 151.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059075.D

Acq: 4 Nov 2019 10:42

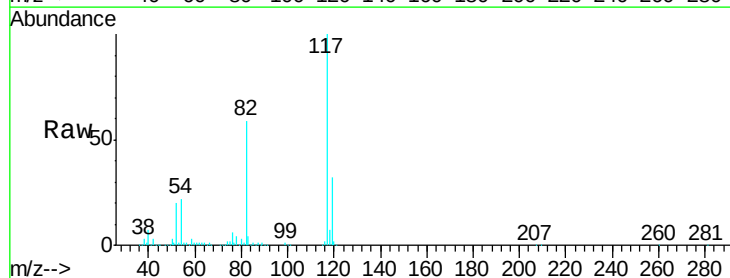
Tgt Ion: 117 Resp: 623052

Ion Ratio Lower Upper

117 100

82 58.5 46.0 69.0

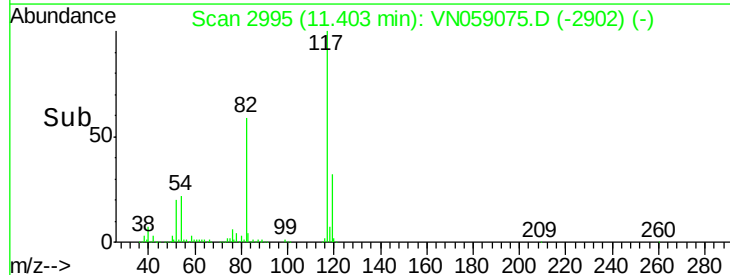
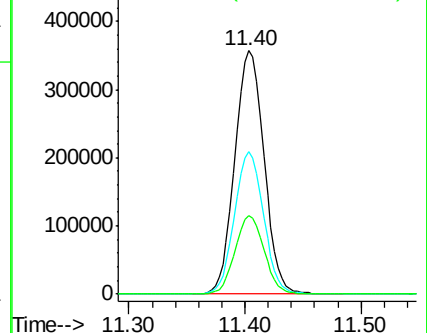
119 32.4 25.6 38.4

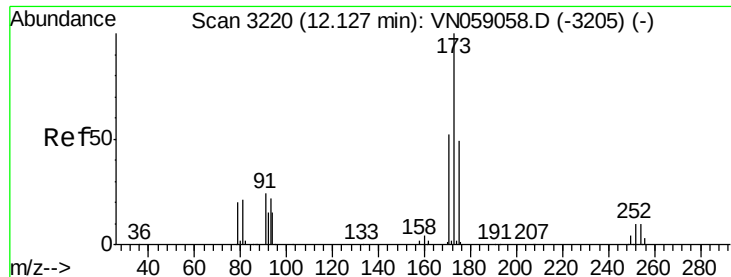


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.362 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059075.D

Acq: 4 Nov 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBL01

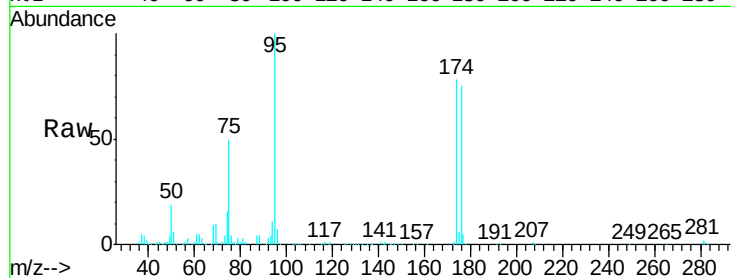
Tgt Ion:173 Resp: 1318

Ion Ratio Lower Upper

173 100

175 1007.2 24.4 73.2#

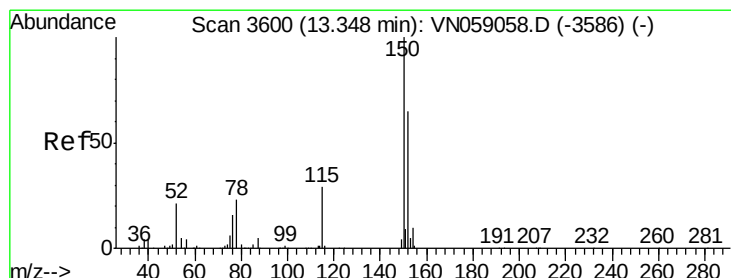
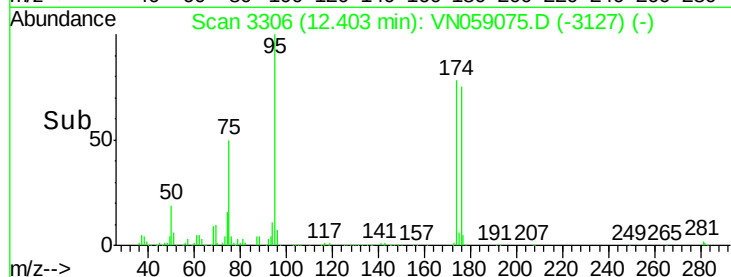
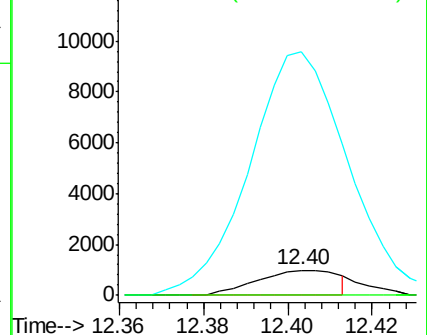
254 0.0 0.1 0.1#



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: VN059075.D

Acq: 4 Nov 2019 10:42

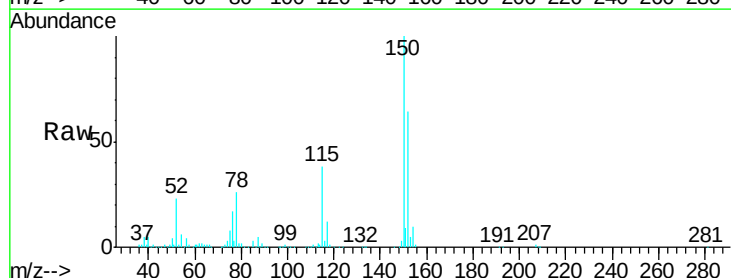
Tgt Ion:152 Resp: 222602

Ion Ratio Lower Upper

152 100

115 59.7 29.6 88.9

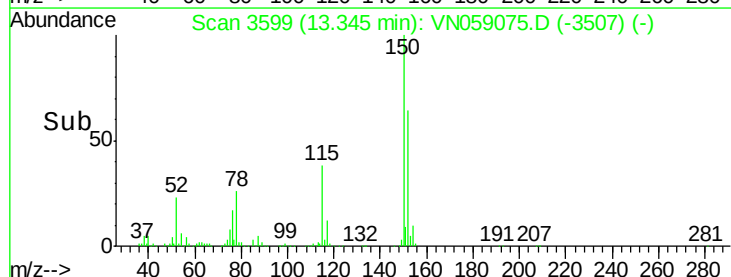
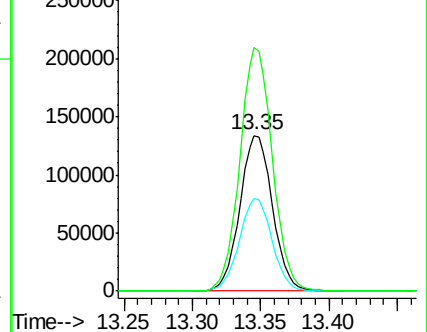
150 156.1 0.0 345.8

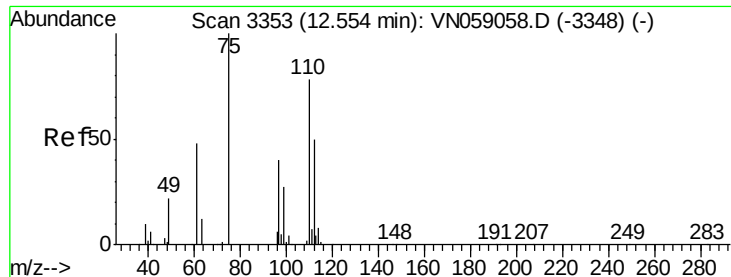


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.524 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059075.D

Acq: 4 Nov 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

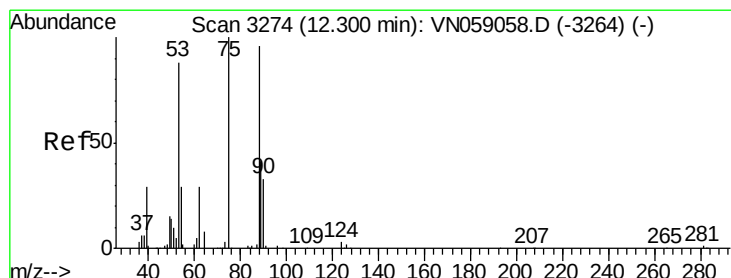
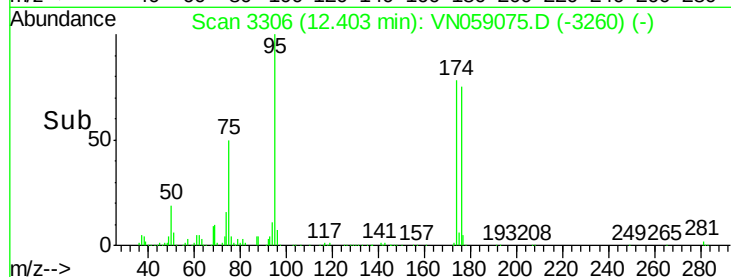
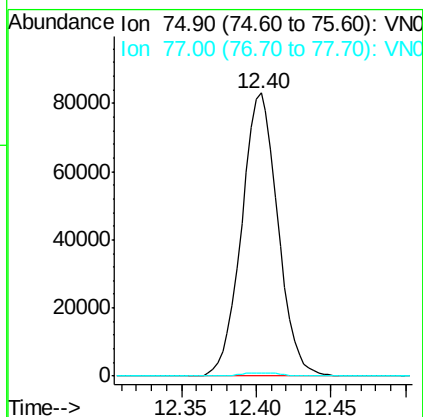
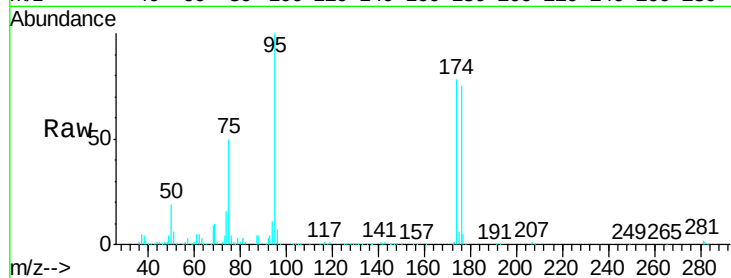
VN1104WBL01

Tgt Ion: 75 Resp: 139720

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.995 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059075.D

Acq: 4 Nov 2019 10:42

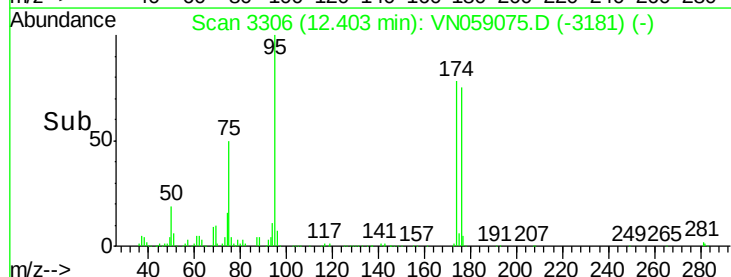
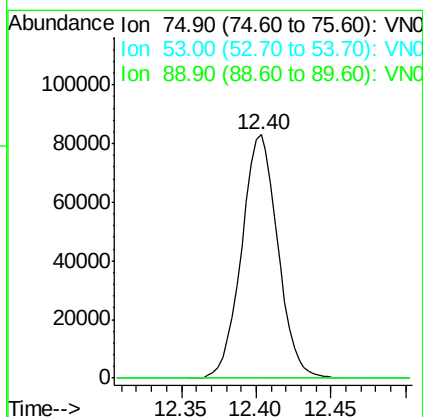
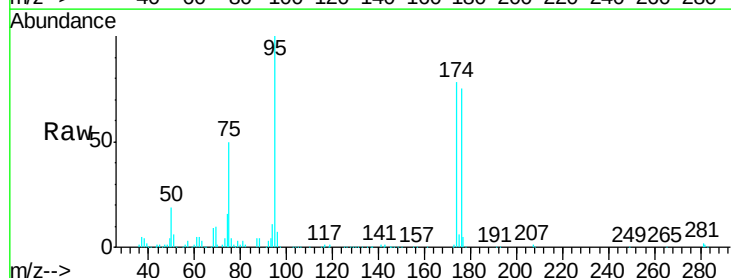
Tgt Ion: 75 Resp: 139720

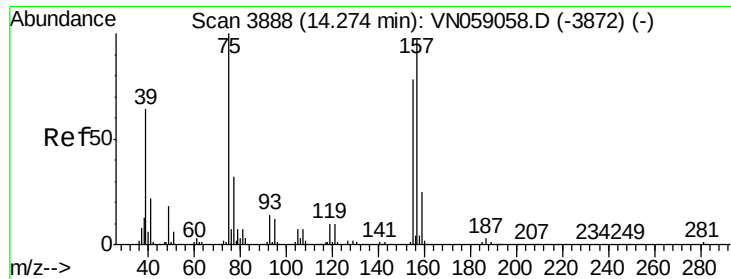
Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 34.2 51.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.224 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN059075.D

Acq: 4 Nov 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBL01

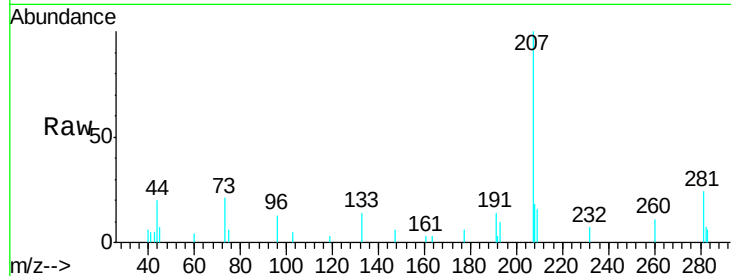
Tgt Ion: 75 Resp: 282

Ion Ratio Lower Upper

75 100

155 0.0 39.7 119.1#

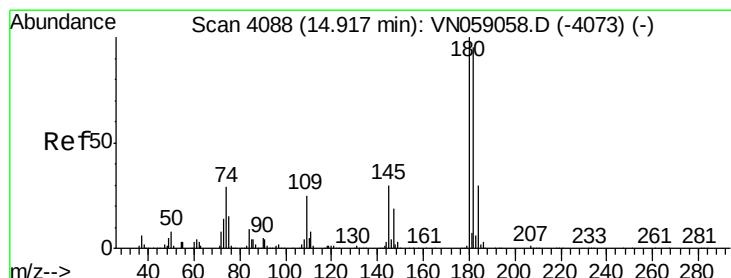
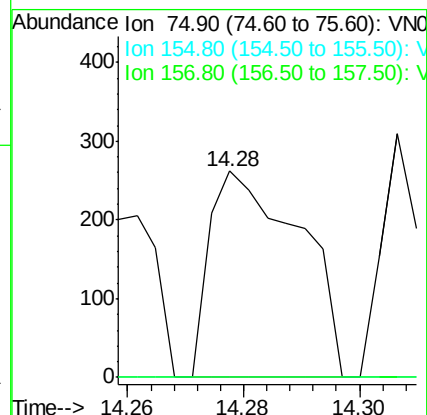
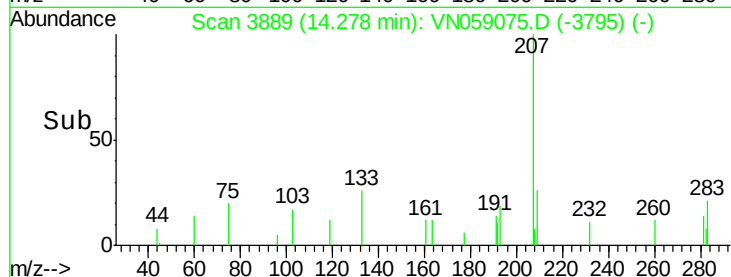
157 0.0 51.0 153.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059075.D (-3795) (-)

Ion 154.80 (154.50 to 155.50): VN059075.D (-3795) (-)

Ion 156.80 (156.50 to 157.50): VN059075.D (-3795) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.231 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN059075.D

Acq: 4 Nov 2019 10:42

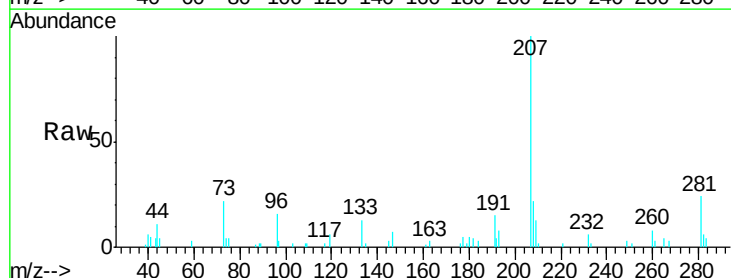
Tgt Ion: 180 Resp: 901

Ion Ratio Lower Upper

180 100

182 91.1 47.8 143.4

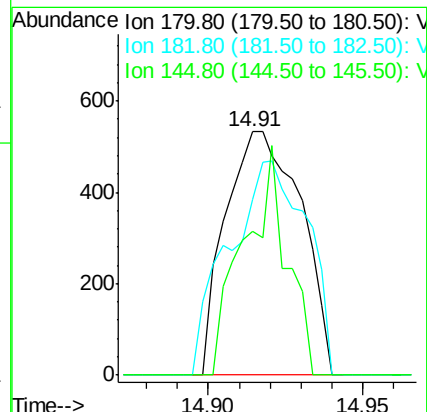
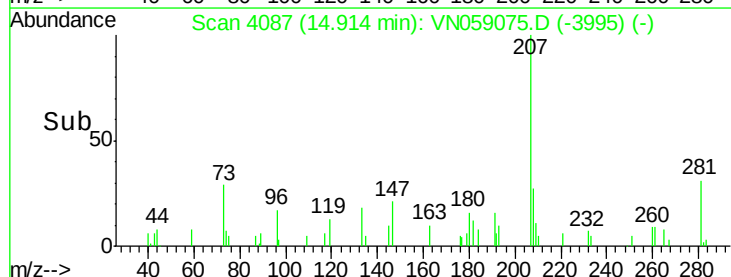
145 53.6 15.1 45.3#

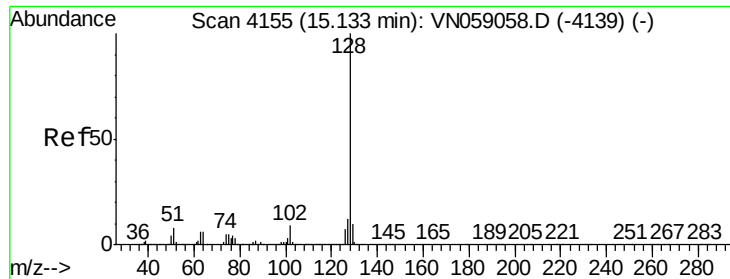


Abundance Ion 179.80 (179.50 to 180.50): VN059075.D (-3995) (-)

Ion 181.80 (181.50 to 182.50): VN059075.D (-3995) (-)

Ion 144.80 (144.50 to 145.50): VN059075.D (-3995) (-)

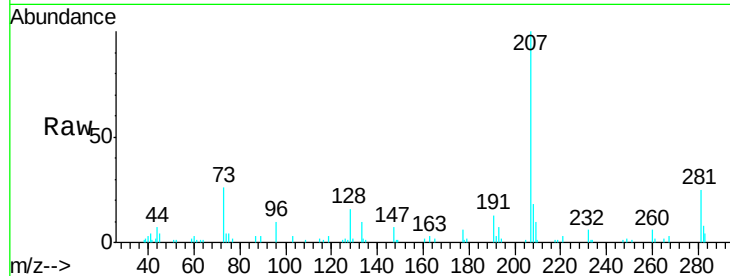




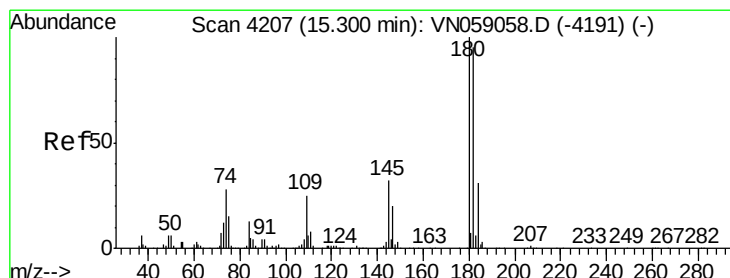
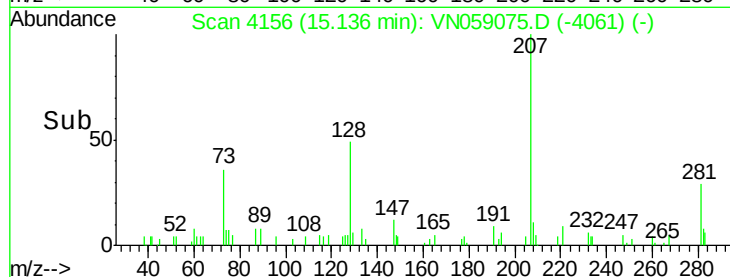
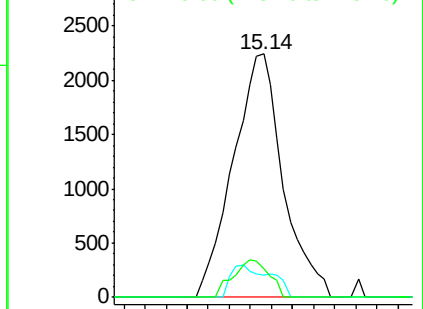
#95
Naphthalene
Concen: 3.270 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN059075.D
Acq: 4 Nov 2019 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBL01

Tgt Ion:128 Resp: 3679
Ion Ratio Lower Upper
128 100
127 10.6 9.9 14.9
129 11.0 8.4 12.6

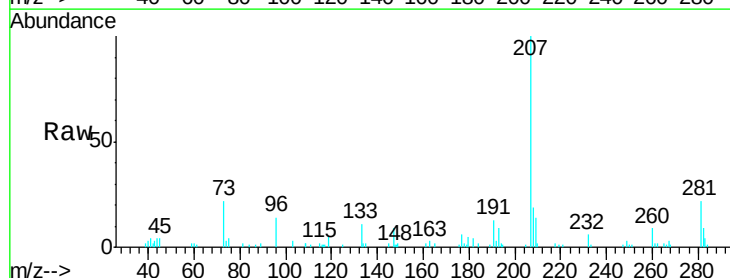


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.332 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059075.D
Acq: 4 Nov 2019 10:42

Tgt Ion:180 Resp: 1319
Ion Ratio Lower Upper
180 100
182 97.0 47.7 143.1
145 36.7 16.0 48.0



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

