

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057862.D
 Acq On : 10 Sep 2019 15:11
 Operator : JC/SP
 Sample : VN0911WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBL01

Quant Time: Sep 11 03:53:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	324410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	536131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	481121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	252402	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	345905	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
35) Dibromofluoromethane	7.57	113	240086	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	10.09	98	975786	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.40	95	308743	42.17	ug/l	0.00
Spiked Amount			Recovery	=	84.34%	

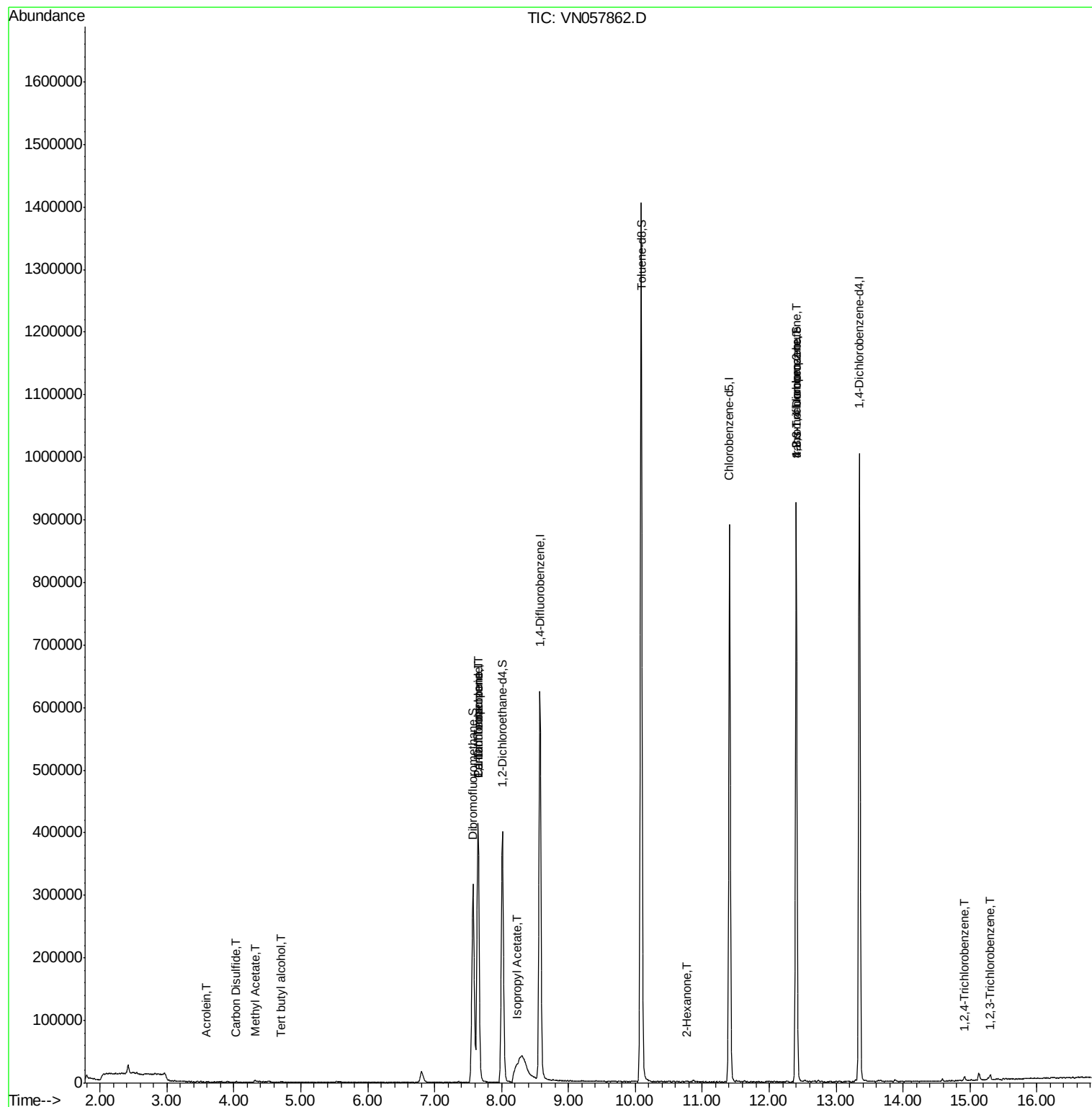
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	547	Below Cal	#	46
11) Tert butyl alcohol	4.71	59	568	0.714	ug/l #	72
13) Acrolein	3.59	56	170	0.252	ug/l #	58
17) Carbon Disulfide	4.02	76	1014	0.347	ug/l #	75
18) Methyl Acetate	4.32	43	3112	0.542	ug/l #	90
20) Methylene Chloride	4.53	84	302	Below Cal	#	14
31) Cyclohexane	7.65	56	8560	Below Cal	#	12
36) 1,1-Dichloropropene	7.65	75	28081	4.516	ug/l #	51
38) Carbon Tetrachloride	7.65	117	34377	6.056	ug/l #	15
43) Isopropyl Acetate	8.22	43	31964	2.959	ug/l #	56
59) 2-Hexanone	10.76	43	1087	0.227	ug/l #	54
76) 1,2,3-Trichloropropane	12.40	75	172231	30.164	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	172231	106.149	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.92	180	2598	0.444	ug/l	84
95) Naphthalene	15.13	128	9194	Below Cal		97
96) 1,2,3-Trichlorobenzene	15.30	180	2622	1.501	ug/l	93

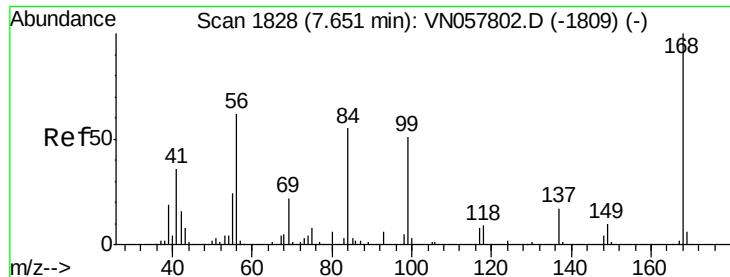
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
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QLast Update : Tue Sep 10 03:02:13 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057862.D

Acq: 10 Sep 2019 15:11

Instrument :

MSVOA_N

ClientSampled :

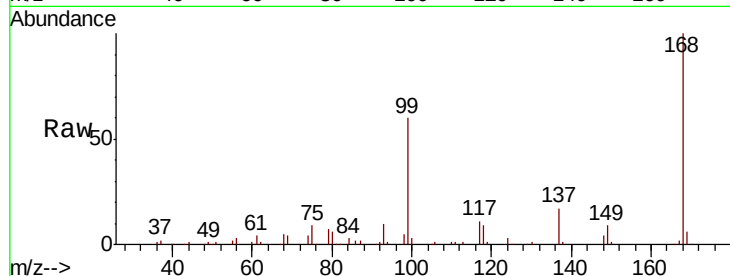
VN0911WBL01

Tgt Ion:168 Resp: 324410

Ion Ratio Lower Upper

168 100

99 59.8 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

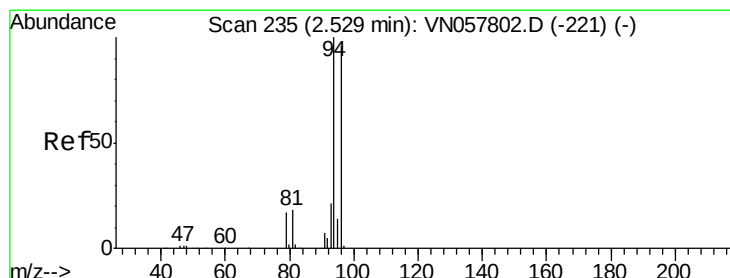
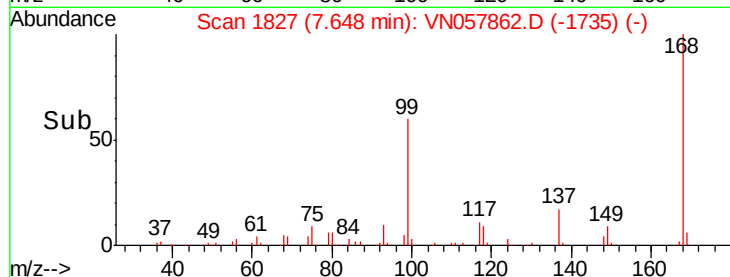
100000

50000

0

7.60 7.70

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN057862.D

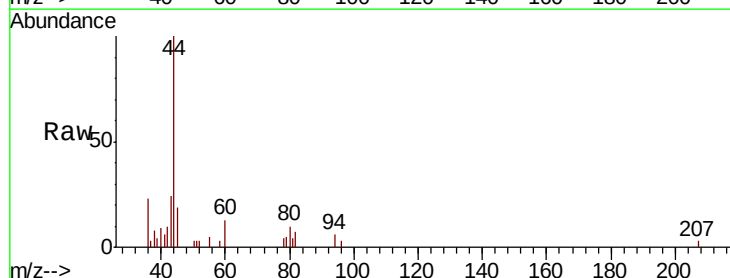
Acq: 10 Sep 2019 15:11

Tgt Ion: 94 Resp: 547

Ion Ratio Lower Upper

94 100

96 43.7 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.55

400

300

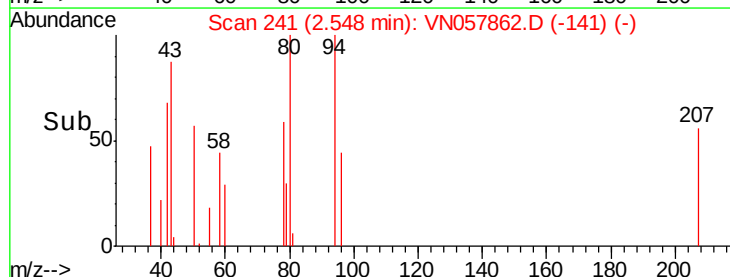
200

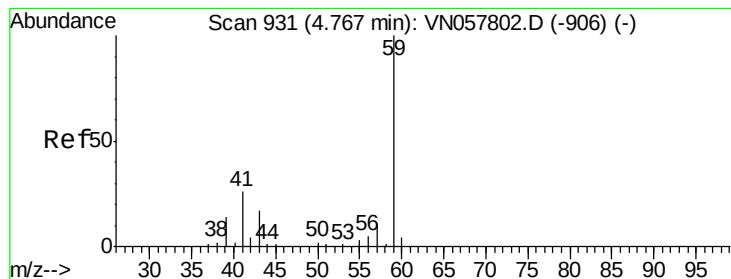
100

0

2.52 2.54 2.56 2.58

Time-->





#11

Tert butyl alcohol

Concen: 0.714 ug/l

RT: 4.71 min Scan# 913

Delta R.T. -0.06 min

Lab File: VN057862.D

Acq: 10 Sep 2019 15:11

Instrument :

MSVOA_N

ClientSampled :

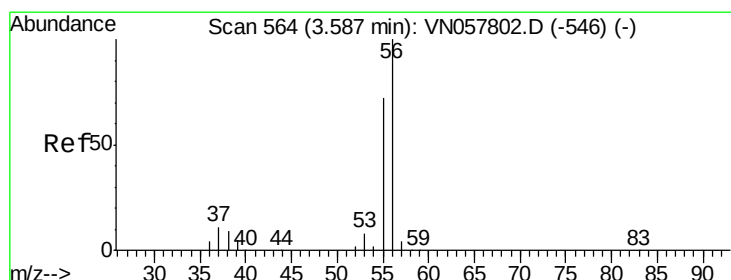
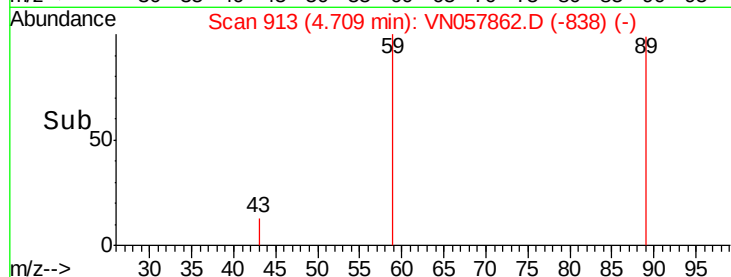
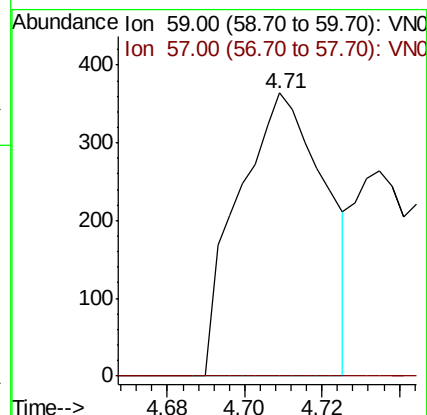
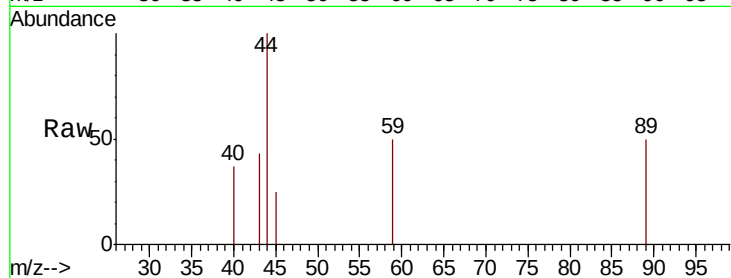
VN0911WBL01

Tgt Ion: 59 Resp: 568

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



#13

Acrolein

Concen: 0.252 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN057862.D

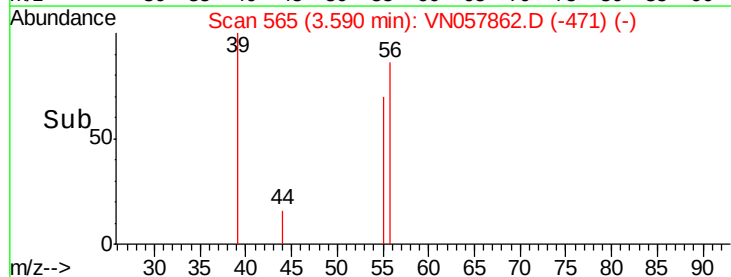
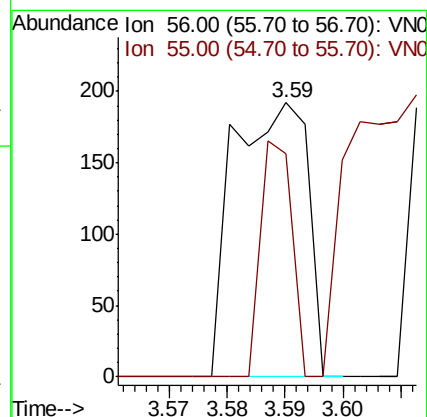
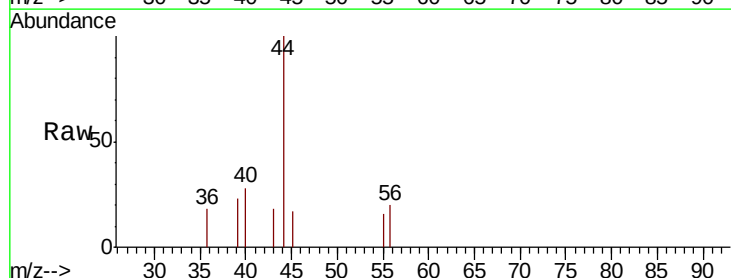
Acq: 10 Sep 2019 15:11

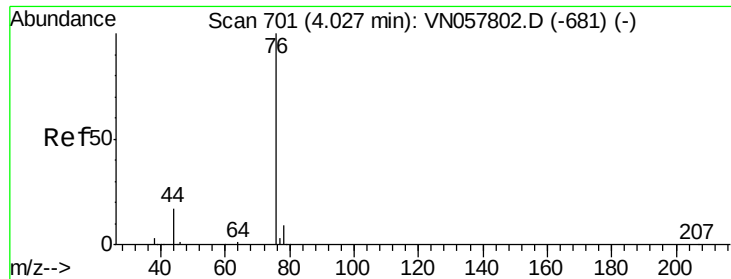
Tgt Ion: 56 Resp: 170

Ion Ratio Lower Upper

56 100

55 36.5 57.3 85.9#





#17

Carbon Disulfide

Concen: 0.347 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.01 min

Lab File: VN057862.D

Acq: 10 Sep 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

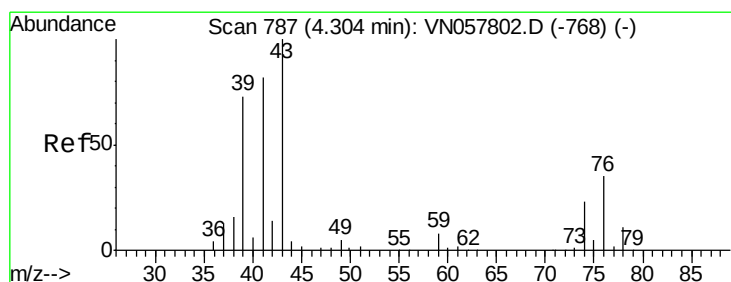
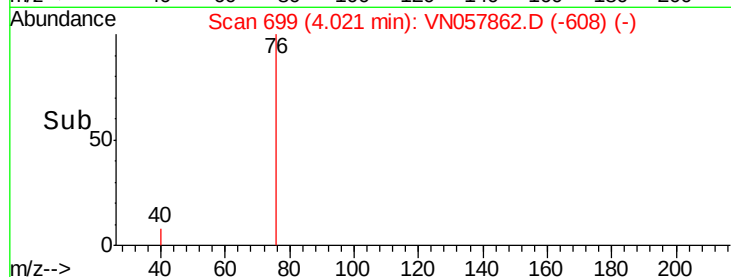
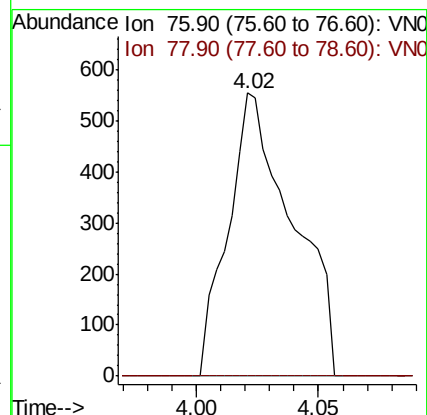
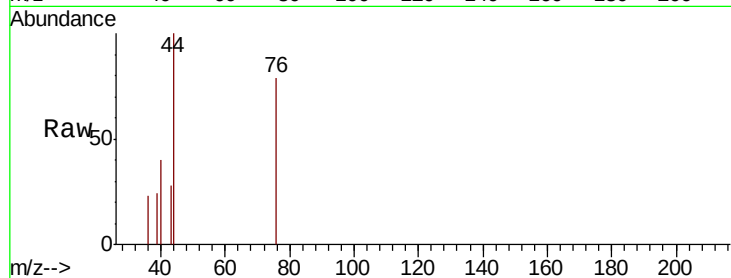
VN0911WBL01

Tgt Ion: 76 Resp: 1014

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#18

Methyl Acetate

Concen: 0.542 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.02 min

Lab File: VN057862.D

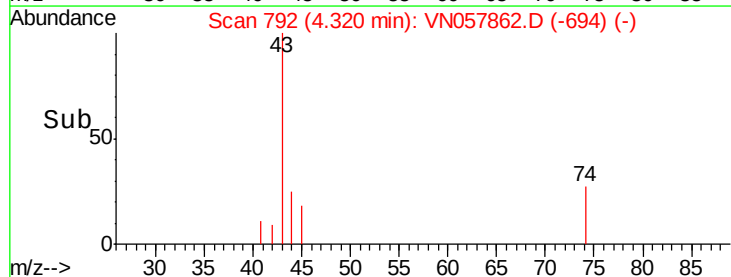
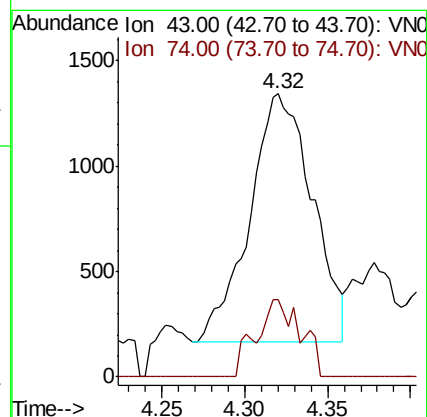
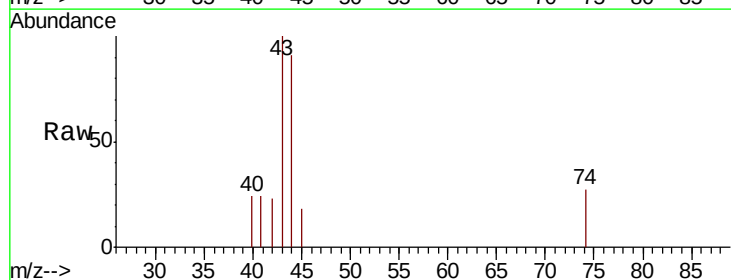
Acq: 10 Sep 2019 15:11

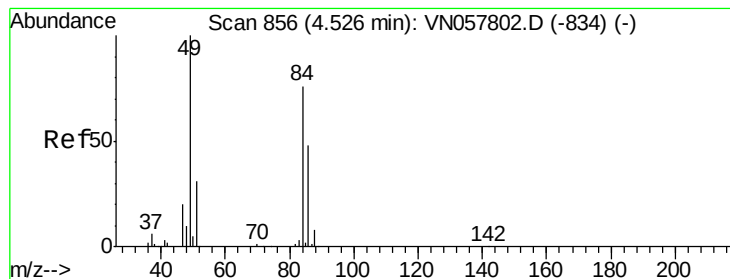
Tgt Ion: 43 Resp: 3112

Ion Ratio Lower Upper

43 100

74 17.7 17.9 26.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.53 min Scan# 856

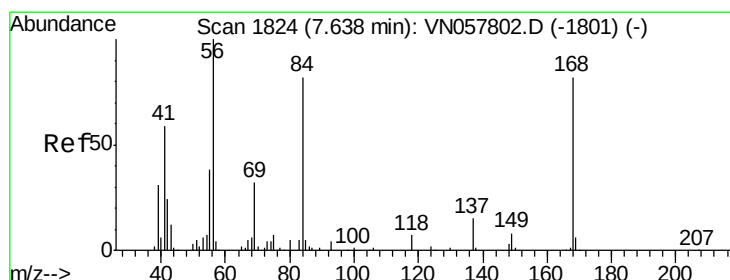
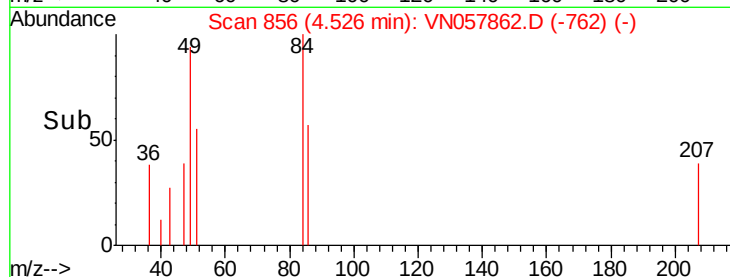
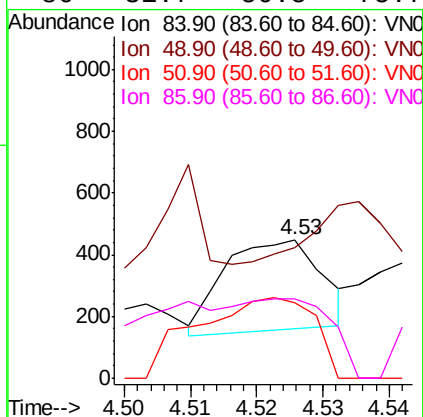
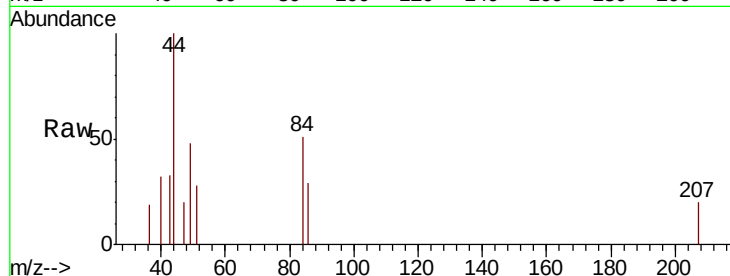
Delta R.T. 0.00 min

Lab File: VN057862.D

Acq: 10 Sep 2019 15:11

Instrument :
MSVOA_N
ClientSampled :
VN0911WBL01

Tgt Ion:	84	Resp:	302
Ion	Ratio	Lower	Upper
84	100		
49	0.0	104.8	157.2#
51	87.2	33.0	49.4#
86	31.7	50.5	75.7#



#31

Cyclohexane

Concen: Below Cal

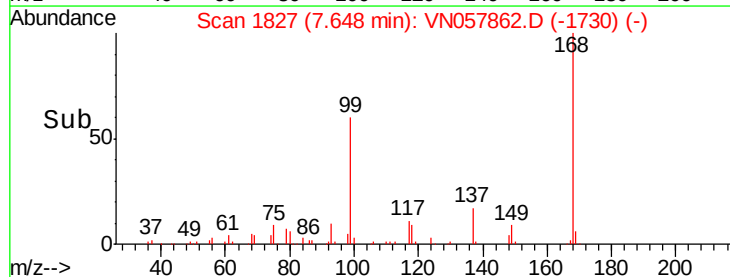
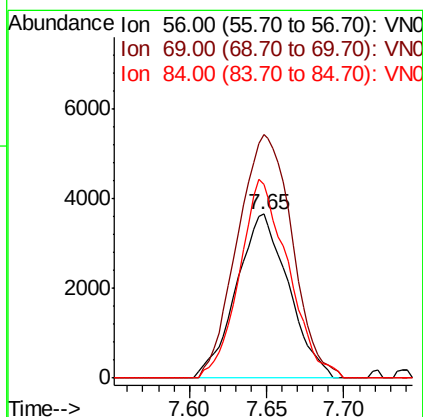
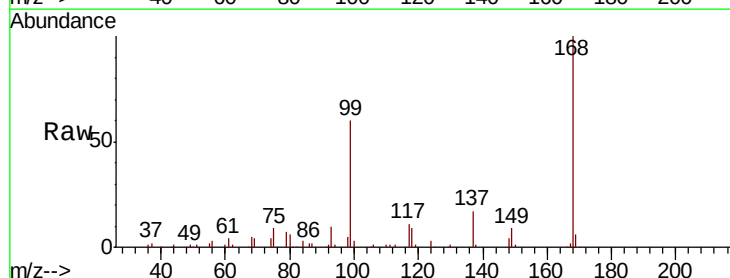
RT: 7.65 min Scan# 1827

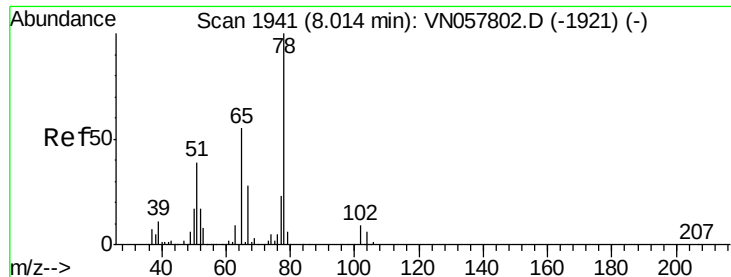
Delta R.T. 0.01 min

Lab File: VN057862.D

Acq: 10 Sep 2019 15:11

Tgt Ion:	56	Resp:	8560
Ion	Ratio	Lower	Upper
56	100		
69	148.5	25.9	38.9#
84	118.3	65.6	98.4#

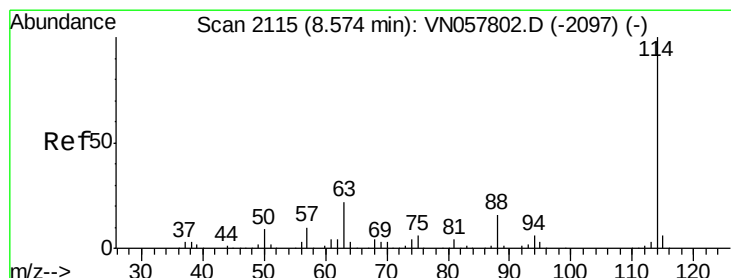
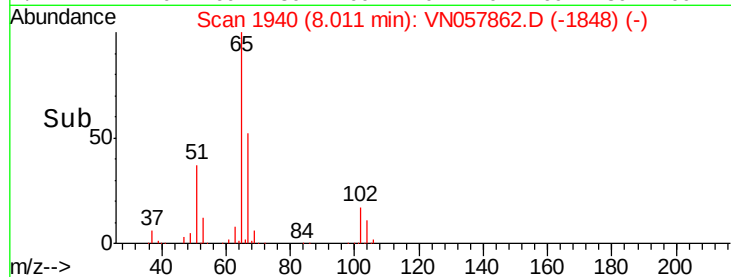
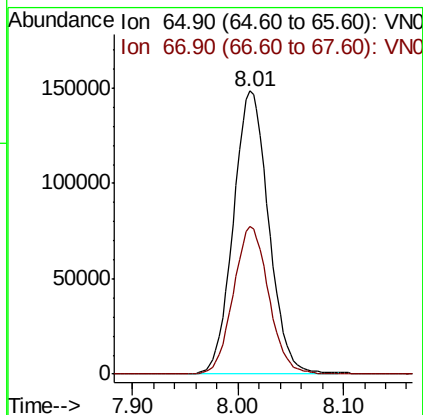
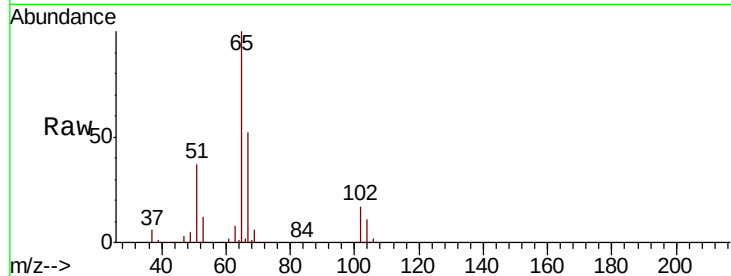




#33
 1,2-Dichloroethane-d4
 Concen: 52.644 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057862.D
 Acq: 10 Sep 2019 15:11

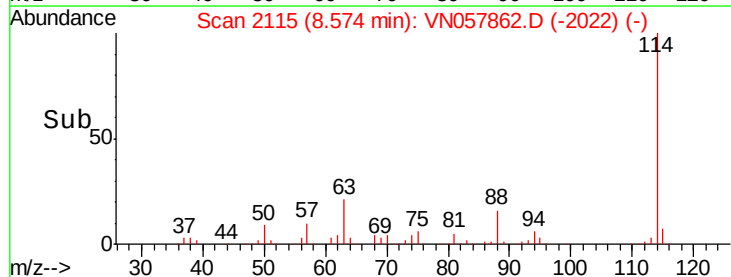
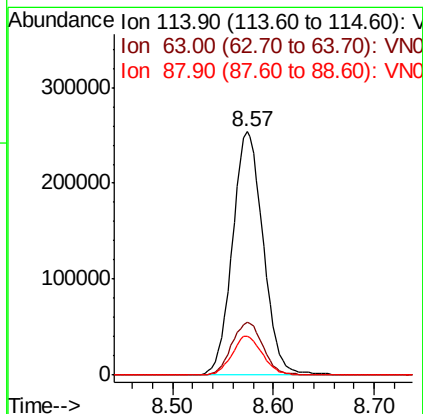
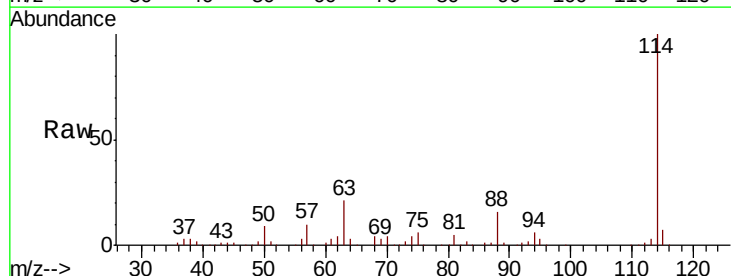
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBL01

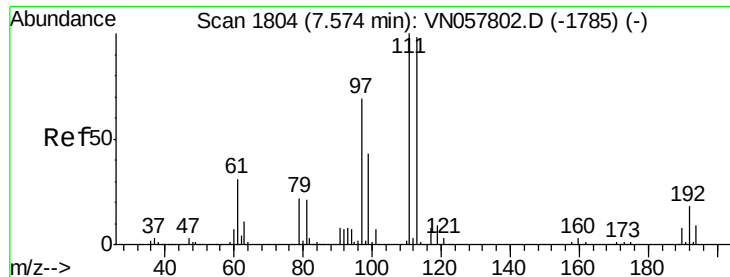
Tgt Ion: 65 Resp: 345905
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057862.D
 Acq: 10 Sep 2019 15:11

Tgt Ion: 114 Resp: 536131
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 44.0
 88 15.9 0.0 31.4

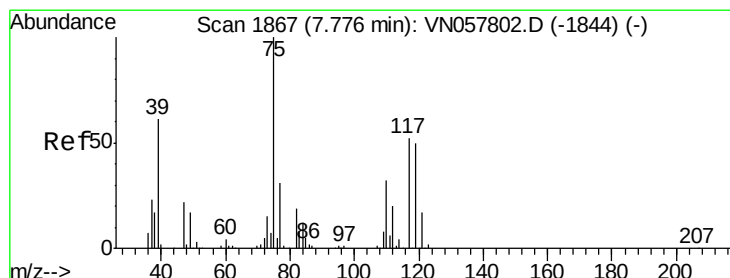
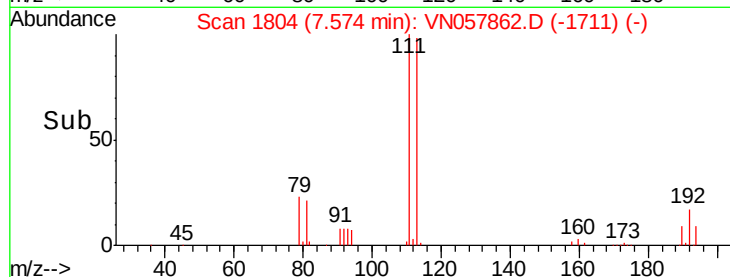
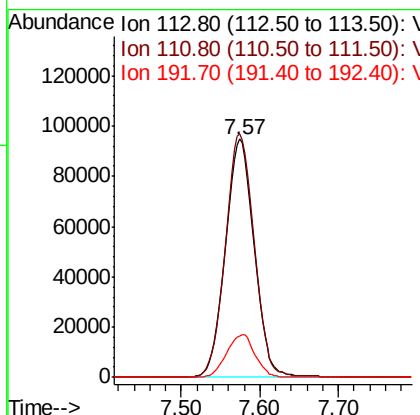
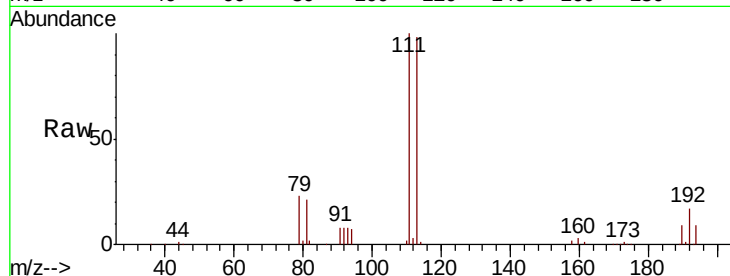




#35
 Dibromofluoromethane
 Concen: 48.519 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057862.D
 Acq: 10 Sep 2019 15:11

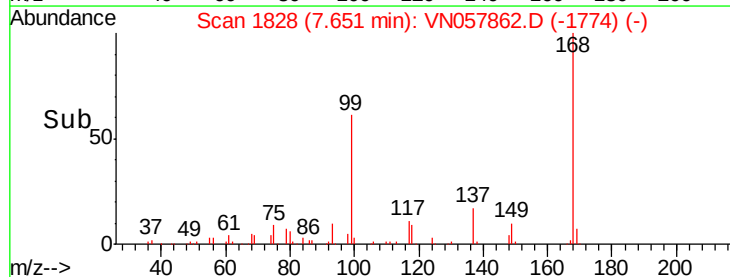
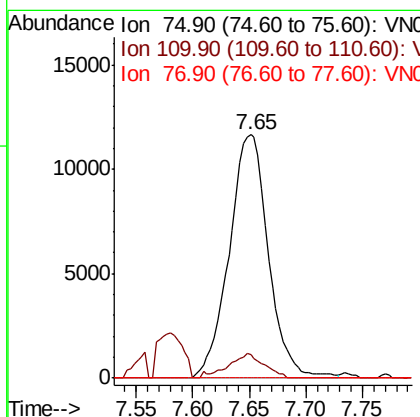
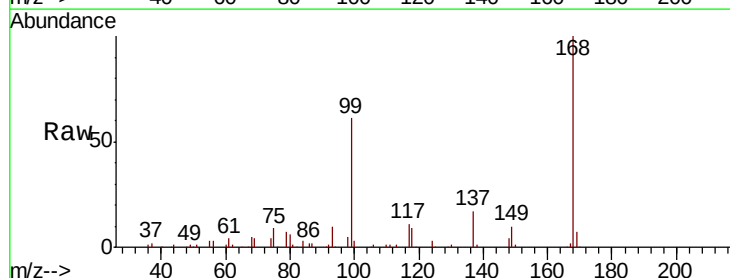
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBL01

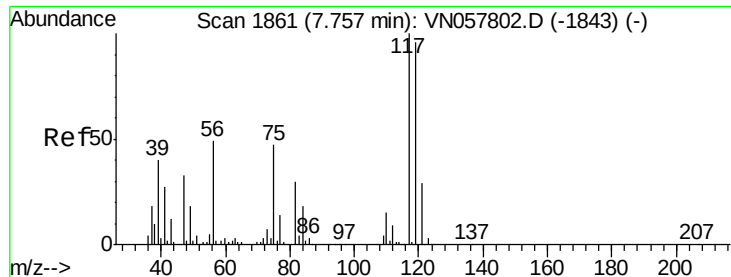
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.3	121.9
192	17.8	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 4.516 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057862.D
 Acq: 10 Sep 2019 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.3	48.9#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.056 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057862.D

Acq: 10 Sep 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBL01

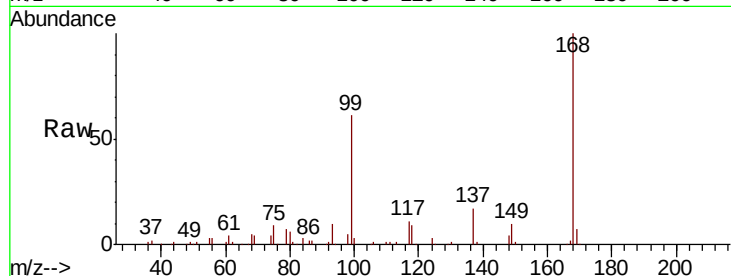
Tgt Ion: 117 Resp: 34377

Ion Ratio Lower Upper

117 100

119 4.2 76.9 115.3#

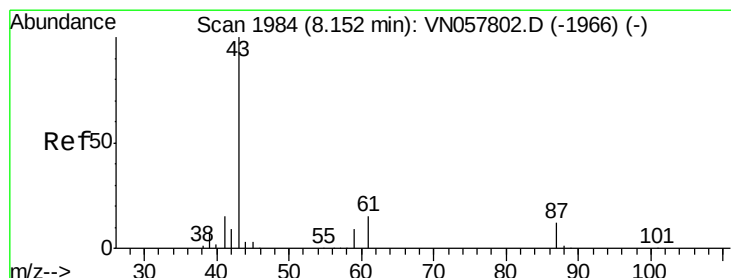
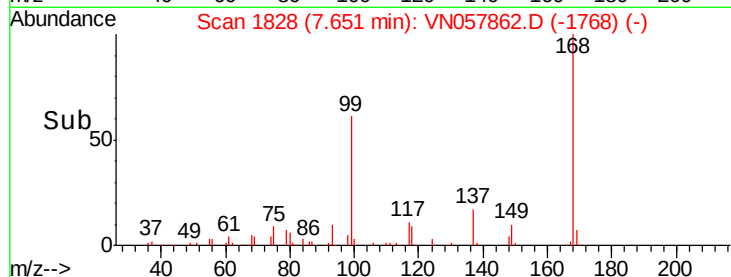
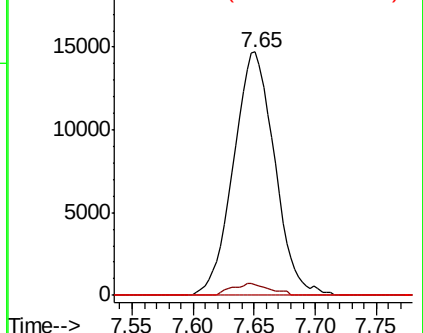
121 0.0 23.4 35.2#



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: 2.959 ug/l

RT: 8.22 min Scan# 2006

Delta R.T. 0.07 min

Lab File: VN057862.D

Acq: 10 Sep 2019 15:11

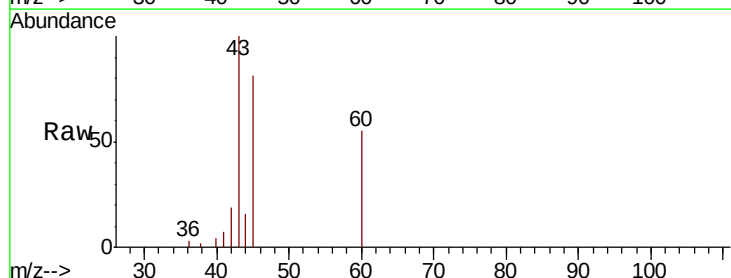
Tgt Ion: 43 Resp: 31964

Ion Ratio Lower Upper

43 100

61 0.0 20.1 30.1#

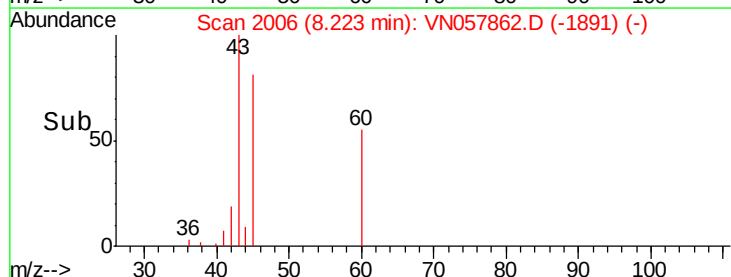
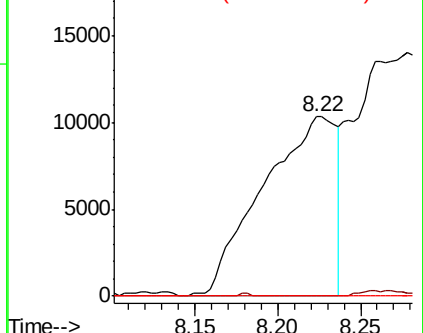
87 0.0 9.5 14.3#

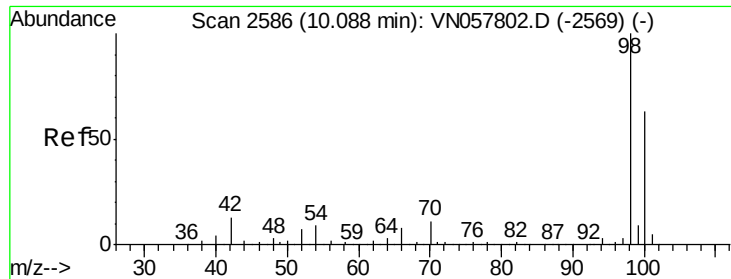


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

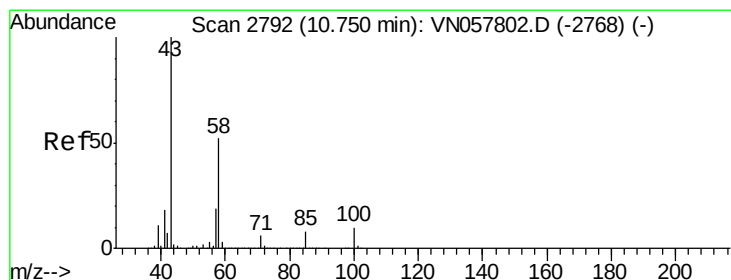
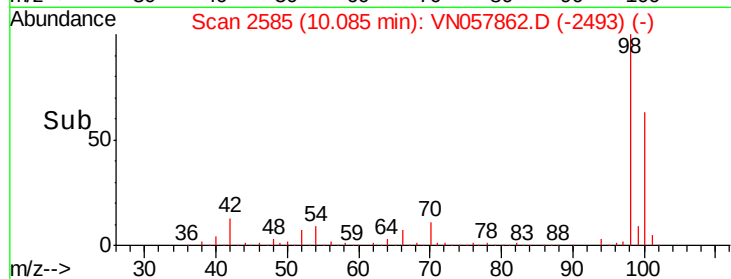
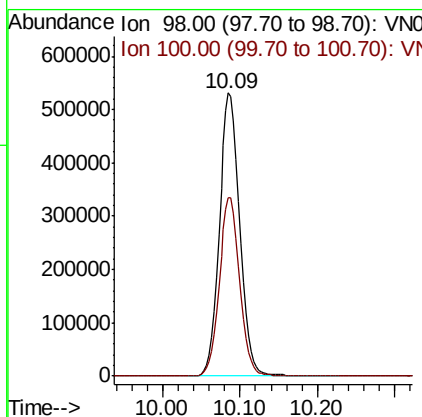
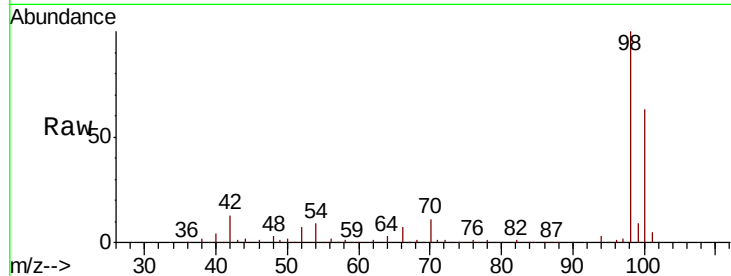




#50
Toluene-d8
Concen: 50.791 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057862.D
Acq: 10 Sep 2019 15:11

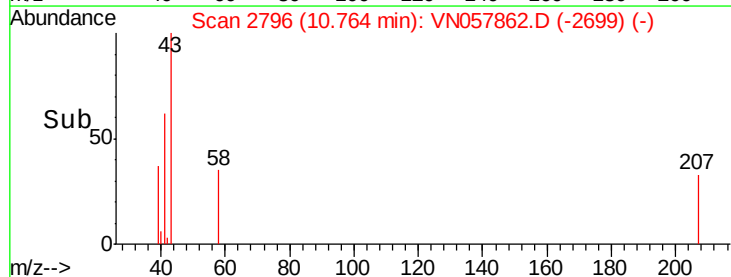
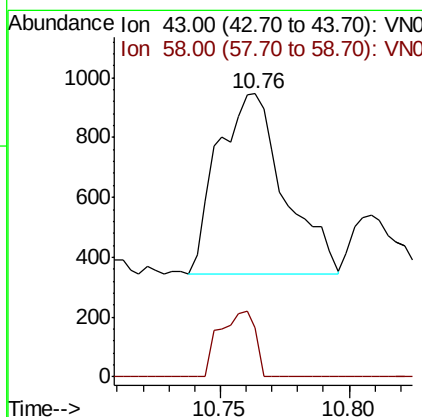
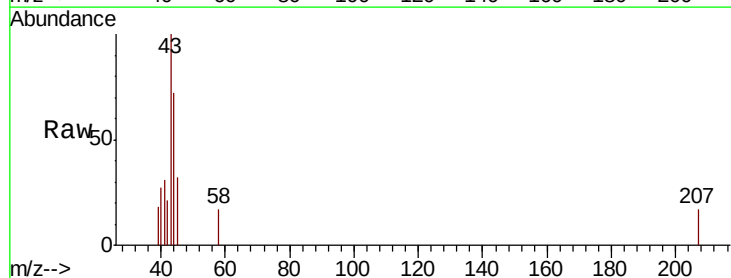
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

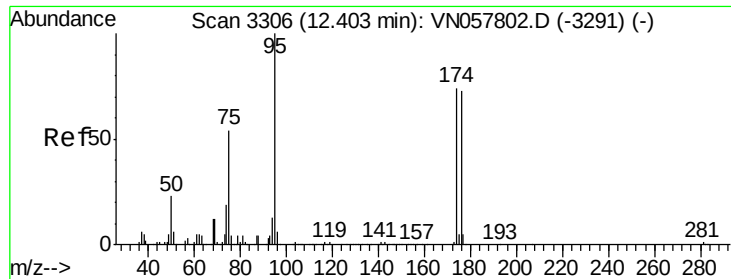
Tgt Ion: 98 Resp: 975786
Ion Ratio Lower Upper
98 100
100 63.1 50.3 75.5



#59
2-Hexanone
Concen: 0.227 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN057862.D
Acq: 10 Sep 2019 15:11

Tgt Ion: 43 Resp: 1087
Ion Ratio Lower Upper
43 100
58 19.3 25.6 76.8#





#62

4-Bromofluorobenzene

Concen: 42.170 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057862.D

Acq: 10 Sep 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBL01

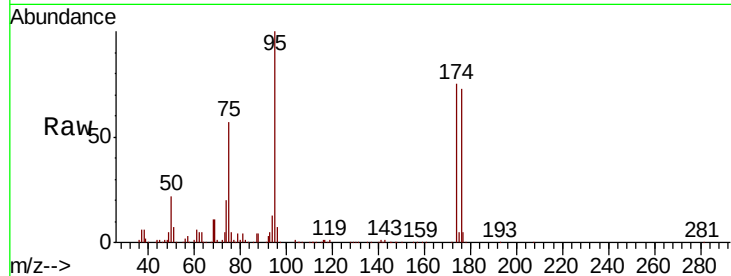
Tgt Ion: 95 Resp: 308743

Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.2

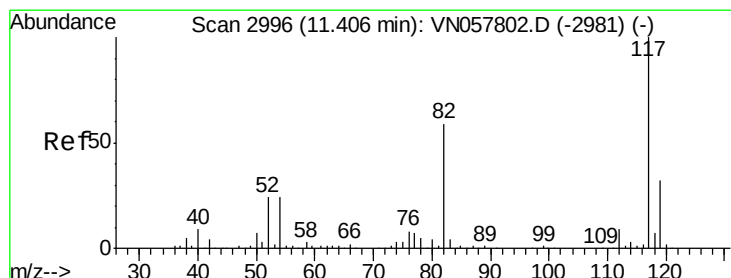
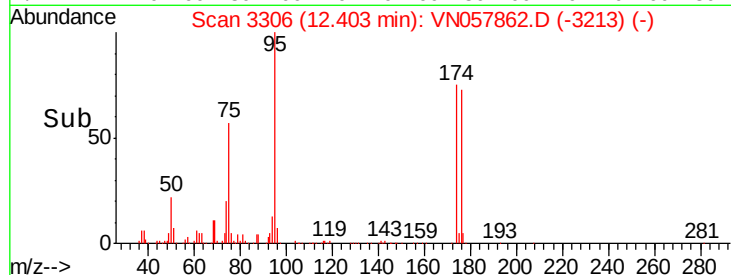
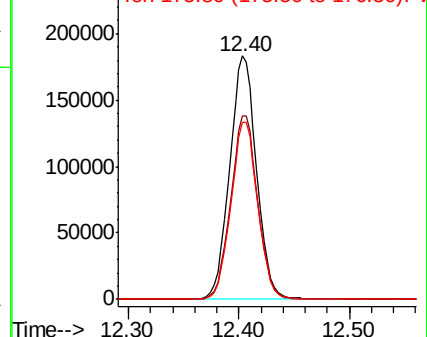
176 72.6 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057862.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN057862.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN057862.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057862.D

Acq: 10 Sep 2019 15:11

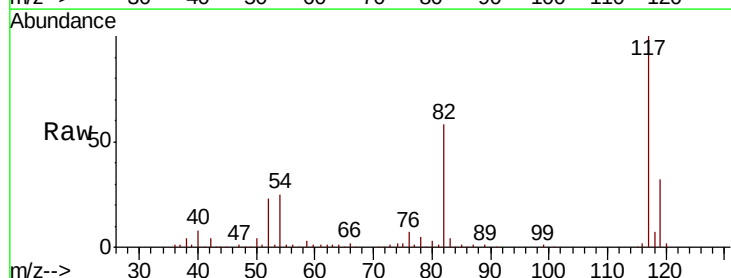
Tgt Ion: 117 Resp: 481121

Ion Ratio Lower Upper

117 100

82 57.7 47.2 70.8

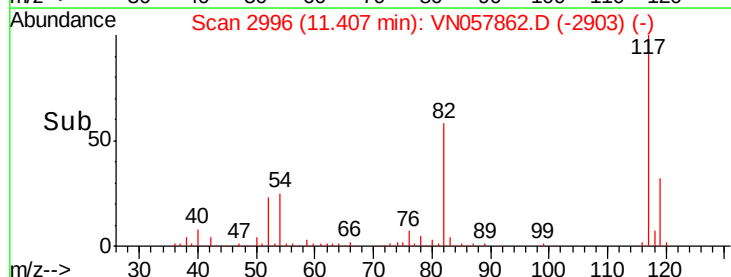
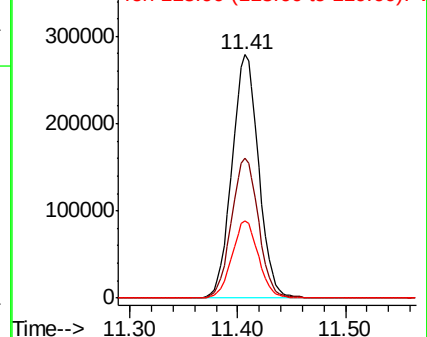
119 31.9 25.3 37.9

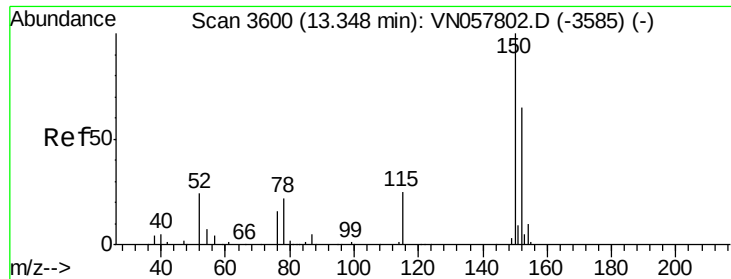


Abundance Ion 116.90 (116.60 to 117.60): VN057862.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN057862.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN057862.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057862.D

Acq: 10 Sep 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBL01

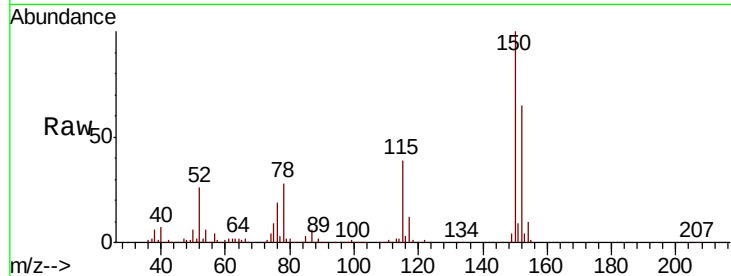
Tgt Ion:152 Resp: 252402

Ion Ratio Lower Upper

152 100

115 60.7 30.3 91.0

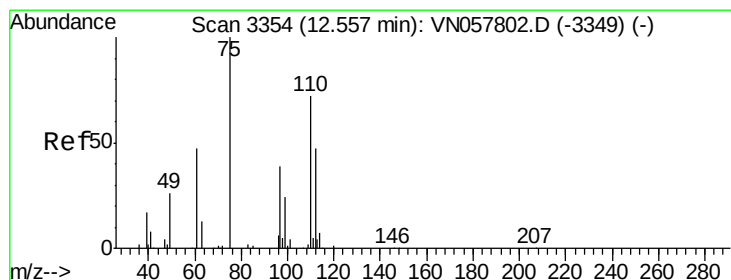
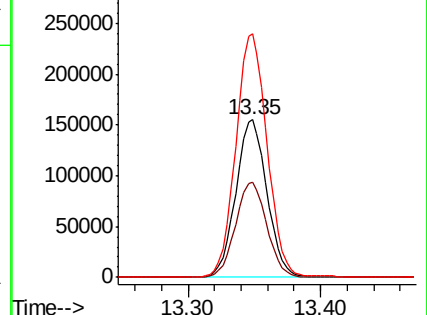
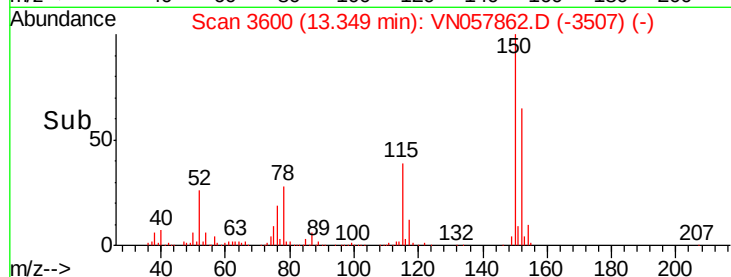
150 155.0 0.0 352.4



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: 30.164 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057862.D

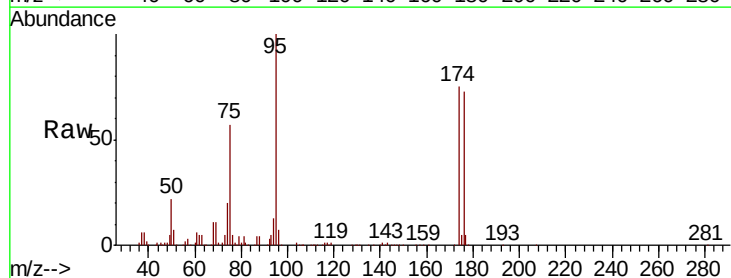
Acq: 10 Sep 2019 15:11

Tgt Ion: 75 Resp: 172231

Ion Ratio Lower Upper

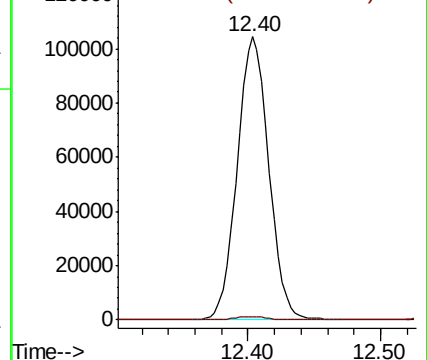
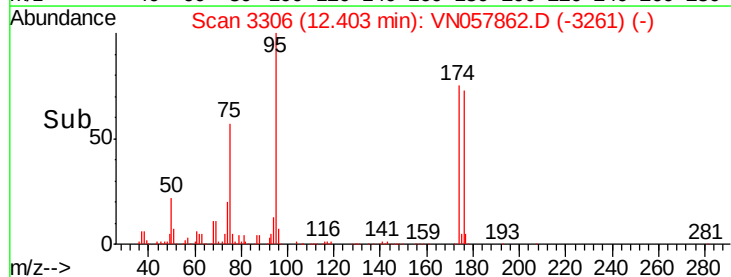
75 100

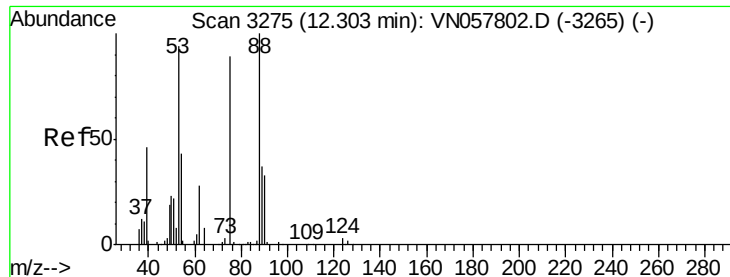
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

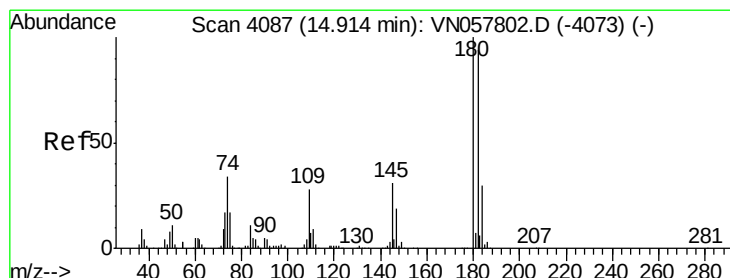
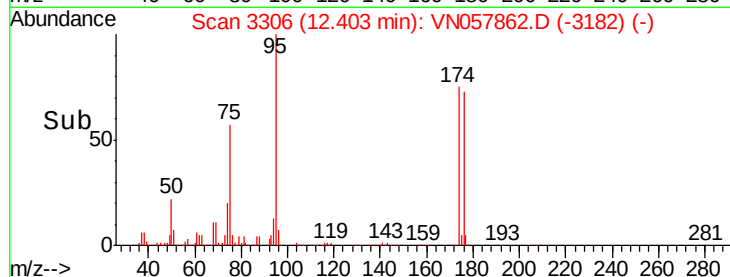
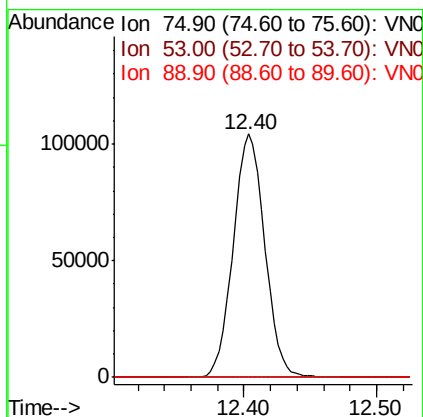
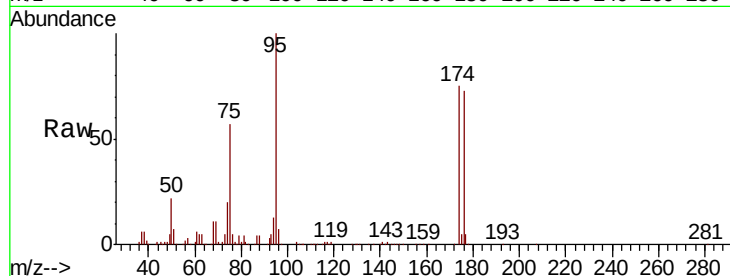




#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.149 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057862.D
 Acq: 10 Sep 2019 15:11

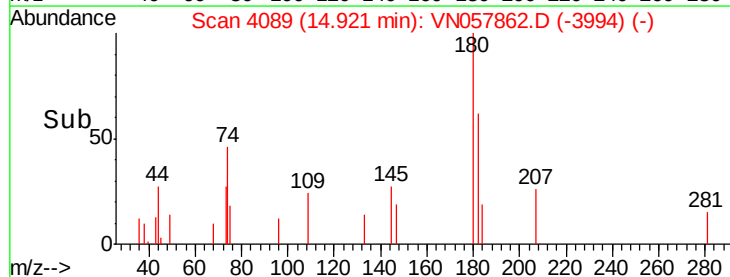
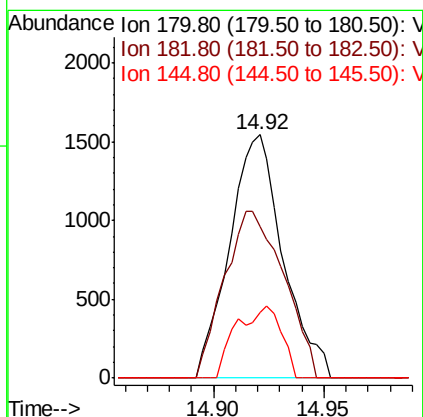
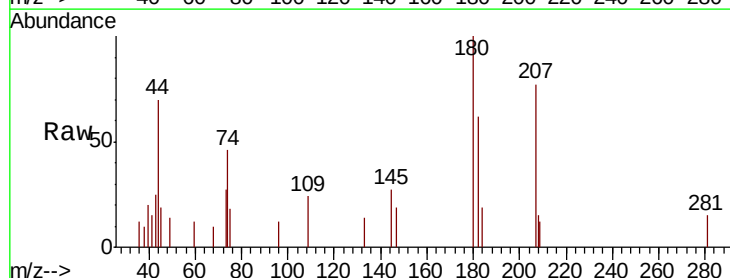
Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBL01

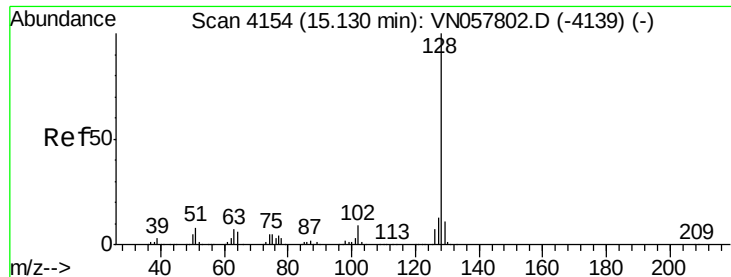
Tgt Ion: 75 Resp: 172231
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.4 132.6#
 89 0.0 35.3 52.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.444 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN057862.D
 Acq: 10 Sep 2019 15:11

Tgt Ion: 180 Resp: 2598
 Ion Ratio Lower Upper
 180 100
 182 76.0 46.9 140.8
 145 24.7 14.9 44.7





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057862.D

Acq: 10 Sep 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBL01

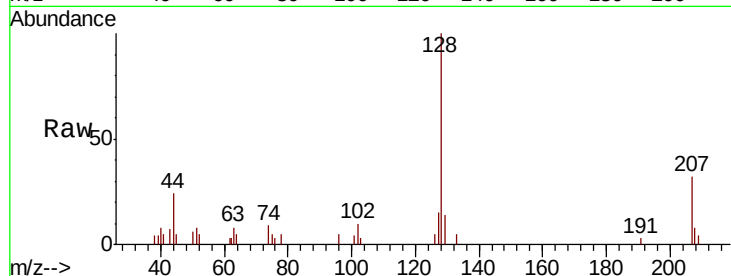
Tgt Ion:128 Resp: 9194

Ion Ratio Lower Upper

128 100

127 11.9 10.3 15.5

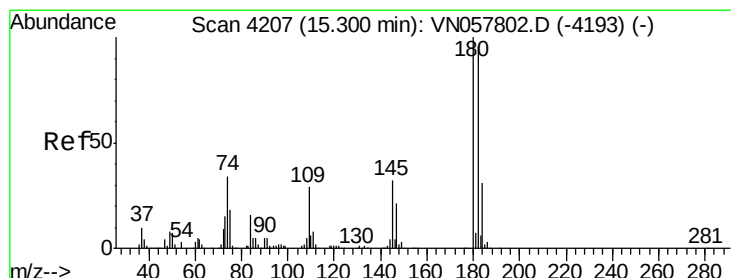
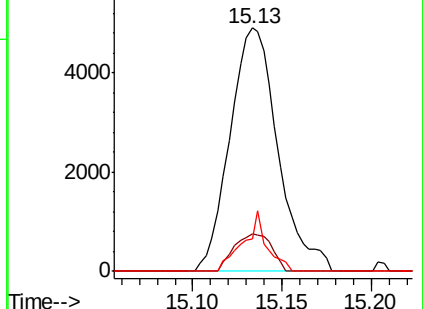
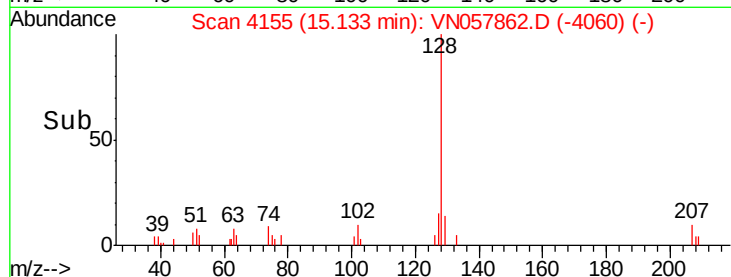
129 11.9 8.6 12.8



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: 1.501 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057862.D

Acq: 10 Sep 2019 15:11

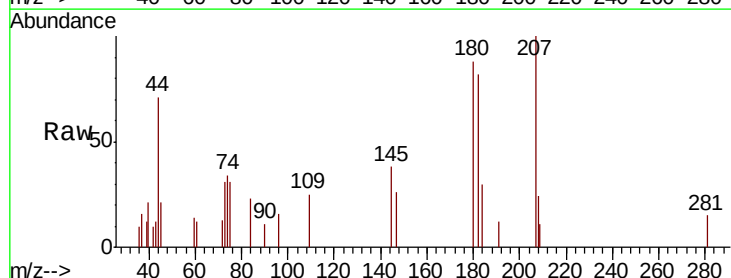
Tgt Ion:180 Resp: 2622

Ion Ratio Lower Upper

180 100

182 88.8 48.3 144.8

145 34.2 16.3 48.8



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

