

Data File : VN059550.D
Acq On : 10 Dec 2019 16:16
Operator : JC/SP
Sample : IBLK
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Dec 11 06:19:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 10 01:09:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	254875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	470450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	441999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	152393	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	182570	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	7.57	113	131186	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
50) Toluene-d8	10.08	98	600268	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.40	95	203077	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	

Target Compounds

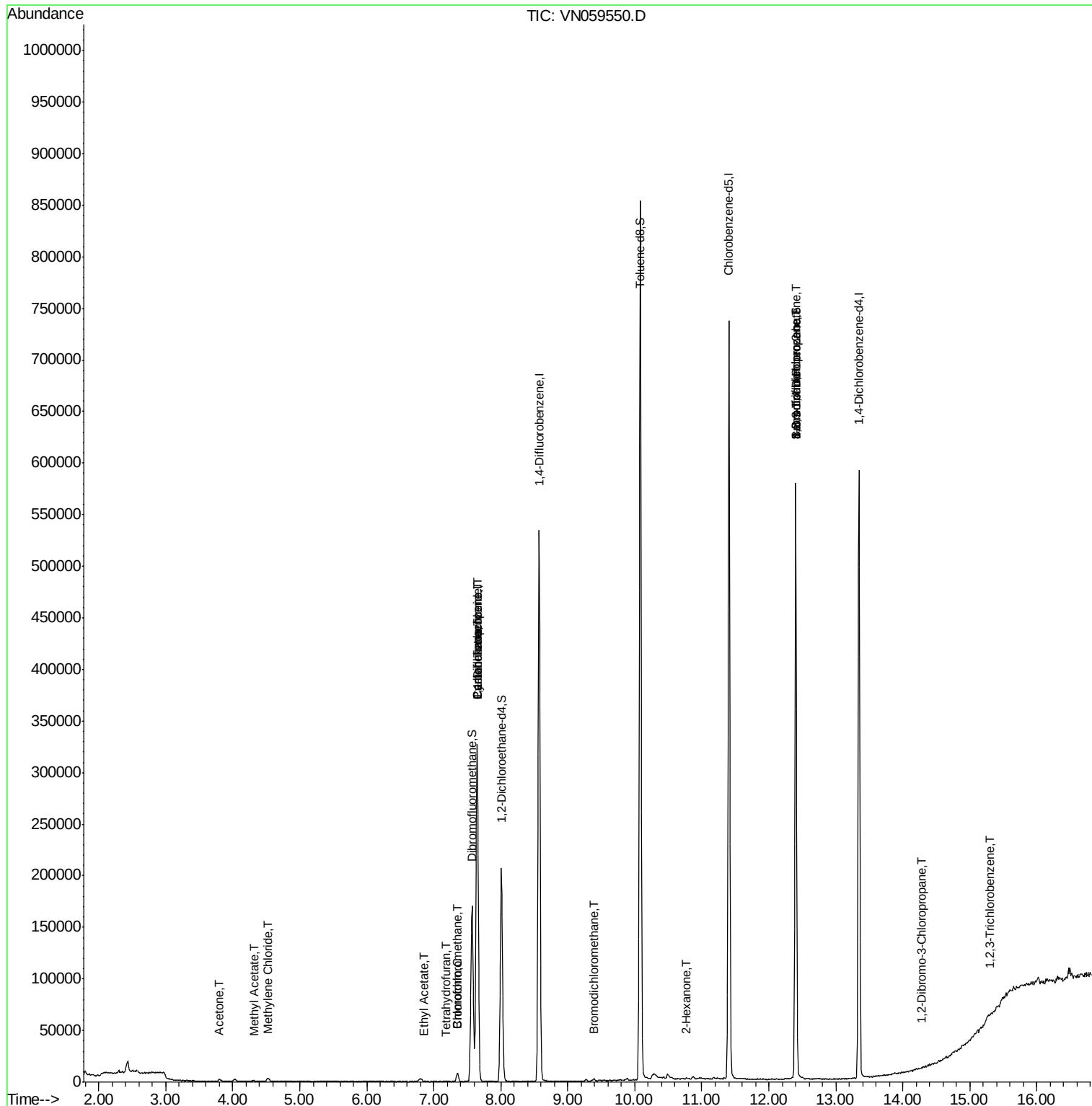
					Qvalue	
16) Acetone	3.80	43	3617	2.174	ug/l	93
17) Carbon Disulfide	4.04	76	4047	Below Cal	#	74
18) Methyl Acetate	4.31	43	1174	0.269	ug/l #	54
20) Methylene Chloride	4.52	84	1977	0.388	ug/l	87
28) Bromochloromethane	7.35	49	707	3.420	ug/l #	18
29) Tetrahydrofuran	7.19	42	378	0.243	ug/l #	35
30) Chloroform	7.35	83	8979	1.649	ug/l	96
31) Cyclohexane	7.64	56	6017	1.121	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	21550	4.465	ug/l #	49
37) Ethyl Acetate	6.85	43	106	1.556	ug/l #	69
38) Carbon Tetrachloride	7.65	117	25759	5.414	ug/l #	16
47) Bromodichloromethane	9.39	83	1328	0.277	ug/l #	96
51) 4-Methyl-2-Pentanone	9.97	43	274	Below Cal	#	37
59) 2-Hexanone	10.75	43	327	2.294	ug/l #	26
71) Bromoform	12.41	173	894	0.329	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	103150	26.469	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	103150	71.213	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	14.27	75	240	2.339	ug/l #	3
96) 1,2,3-Trichlorobenzene	15.31	180	138	2.450	ug/l #	23

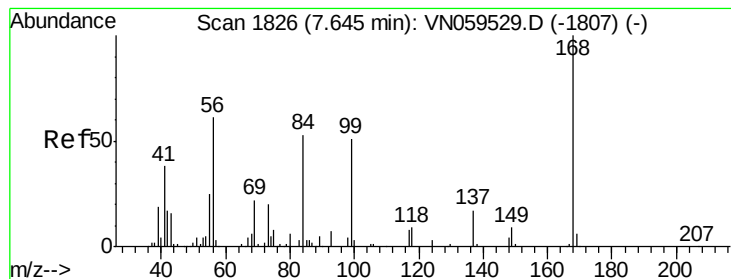
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 10 01:09:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059550.D

Acq: 10 Dec 2019 16:16

Instrument :

MSVOA_N

ClientSampled :

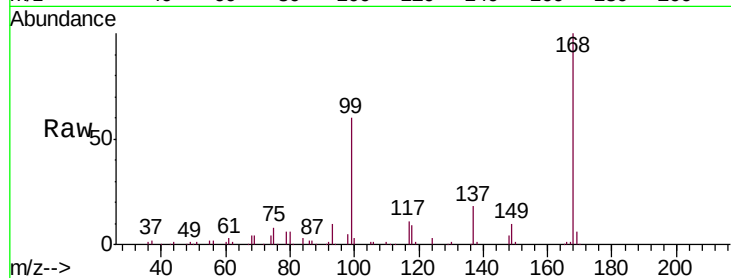
IBLK

Tgt Ion:168 Resp: 254875

Ion Ratio Lower Upper

168 100

99 59.9 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

120000

100000

80000

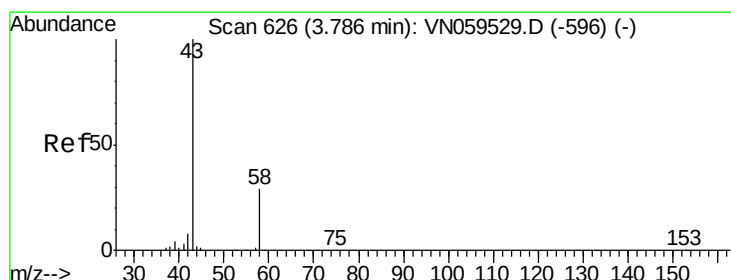
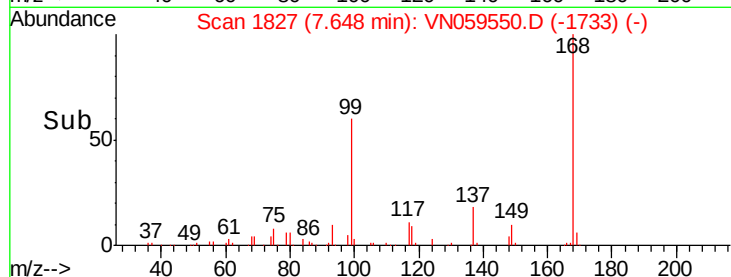
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 2.174 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059550.D

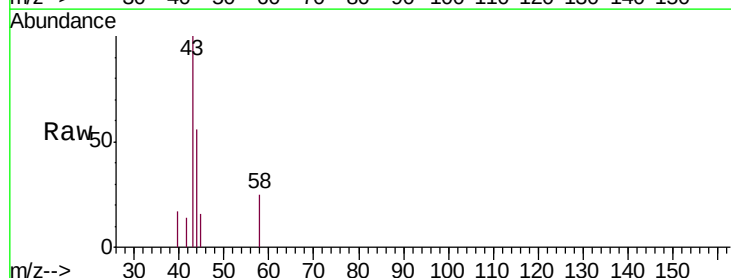
Acq: 10 Dec 2019 16:16

Tgt Ion: 43 Resp: 3617

Ion Ratio Lower Upper

43 100

58 25.1 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

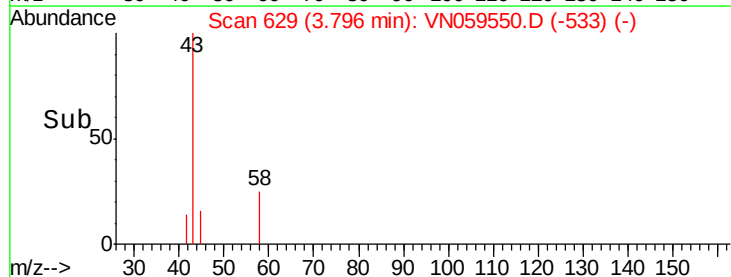
1500

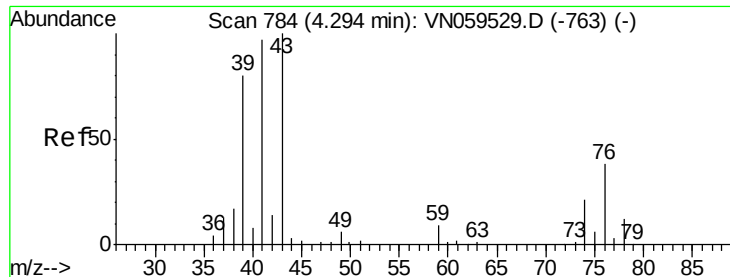
1000

500

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Time-->

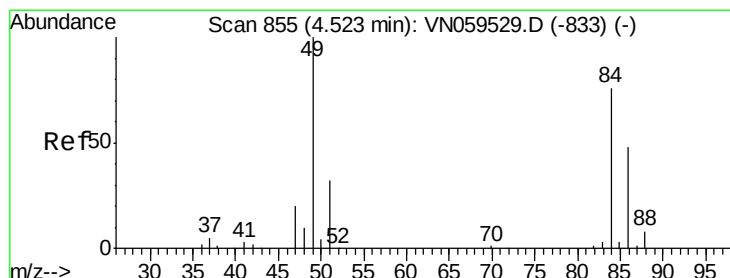
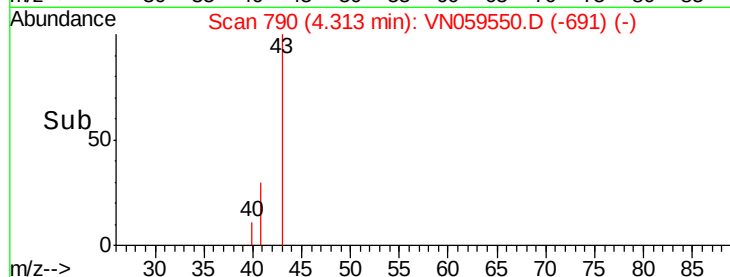
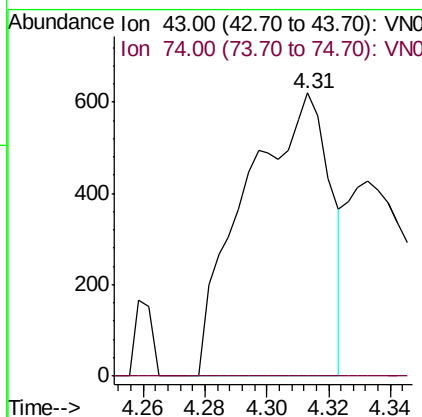
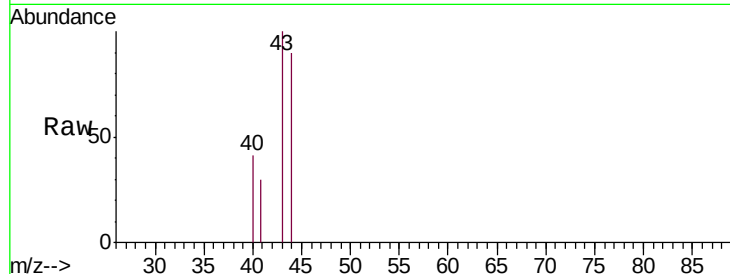




#18
Methyl Acetate
Concen: 0.269 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.02 min
Lab File: VN059550.D
Acq: 10 Dec 2019 16:16

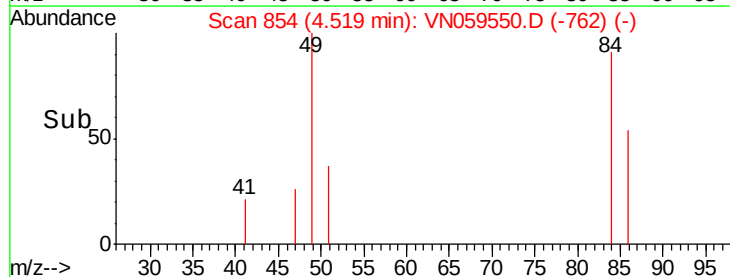
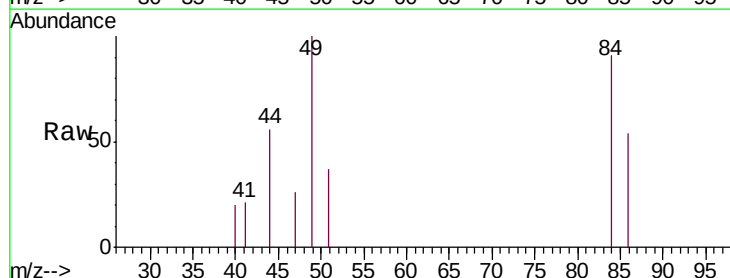
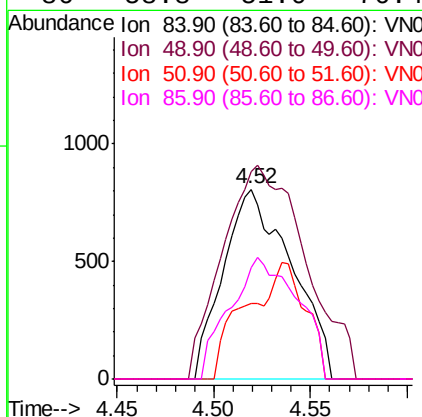
Instrument :
MSVOA_N
ClientSampled :
IBLK

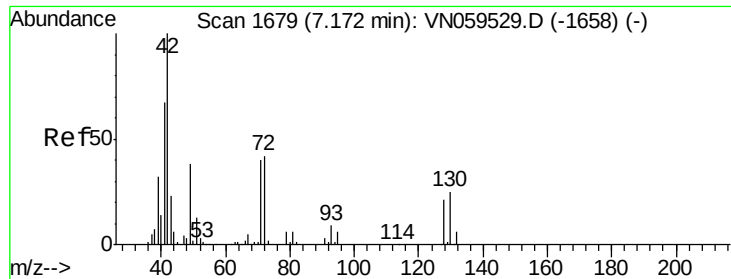
Tgt Ion: 43 Resp: 1174
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 0.388 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059550.D
Acq: 10 Dec 2019 16:16

Tgt Ion: 84 Resp: 1977
Ion Ratio Lower Upper
84 100
49 109.4 105.8 158.8
51 40.0 33.7 50.5
86 58.8 51.0 76.4

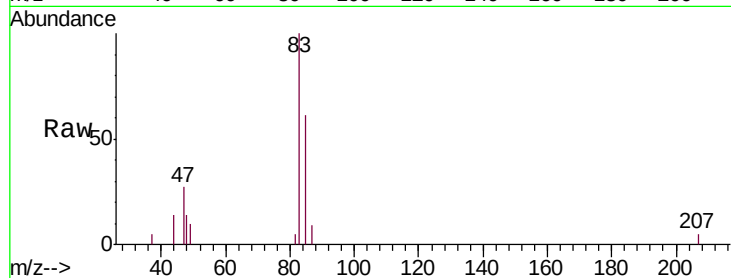




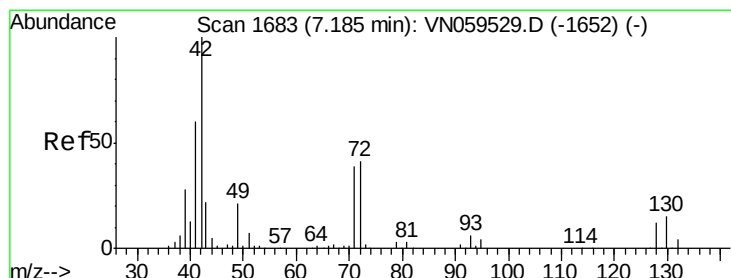
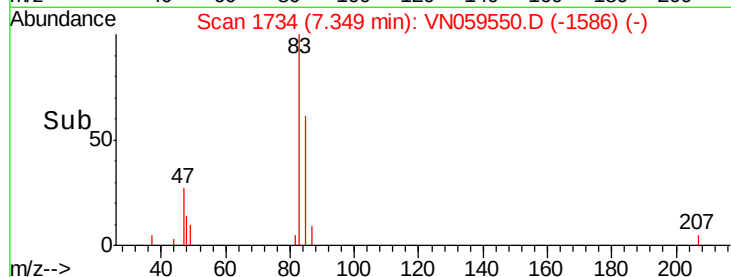
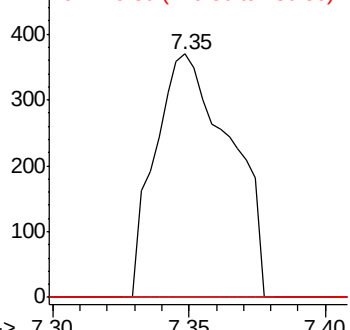
#28
Bromochloromethane
Concen: 3.420 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.18 min
Lab File: VN059550.D
Acq: 10 Dec 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 49 Resp: 707
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.0
130 0.0 54.2 81.2#

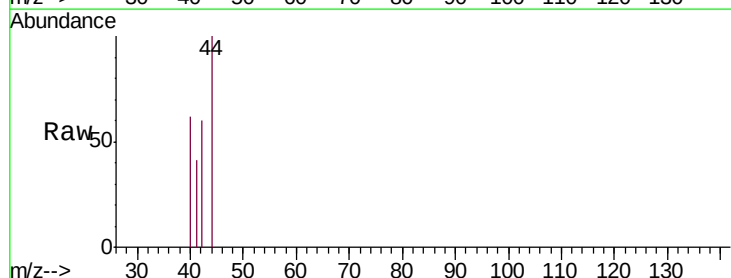


Abundance Ion 48.90 (48.60 to 49.60): VNO
Ion 128.80 (128.50 to 129.50): VNO
Ion 129.80 (129.50 to 130.50): VNO

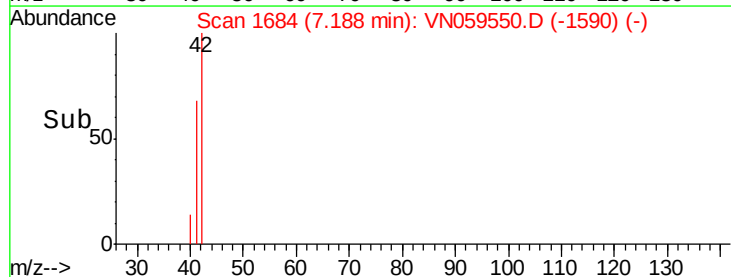
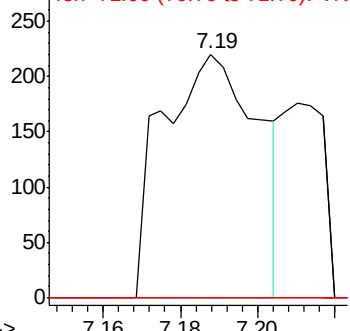


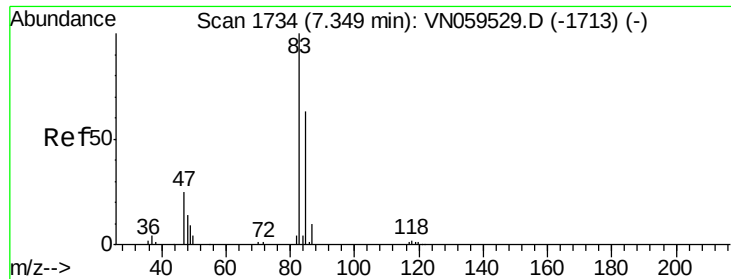
#29
Tetrahydrofuran
Concen: 0.243 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059550.D
Acq: 10 Dec 2019 16:16

Tgt Ion: 42 Resp: 378
Ion Ratio Lower Upper
42 100
72 0.0 32.7 49.1#
71 0.0 31.4 47.2#



Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

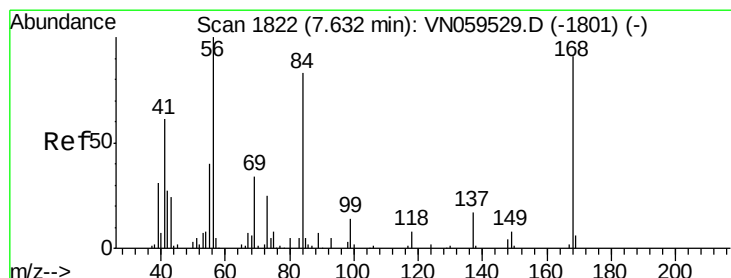
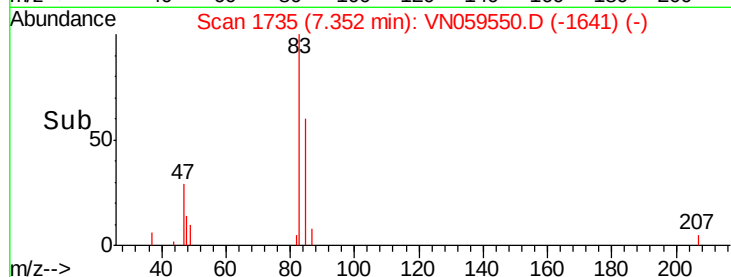
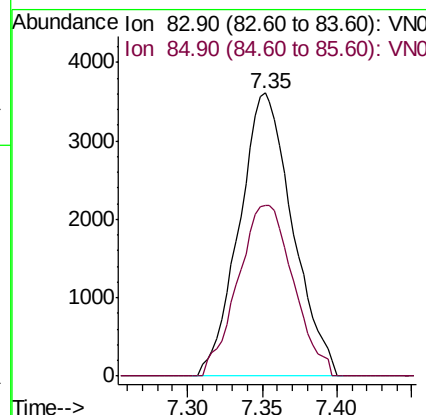
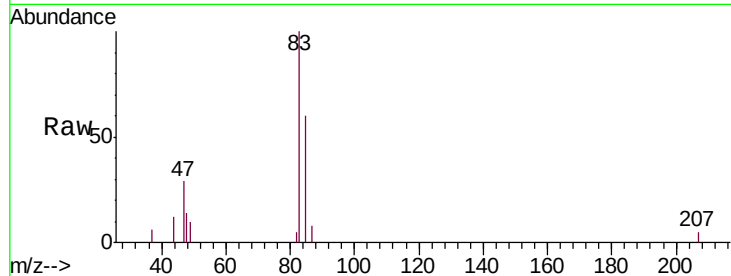




#30
Chloroform
Concen: 1.649 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059550.D
Acq: 10 Dec 2019 16:16

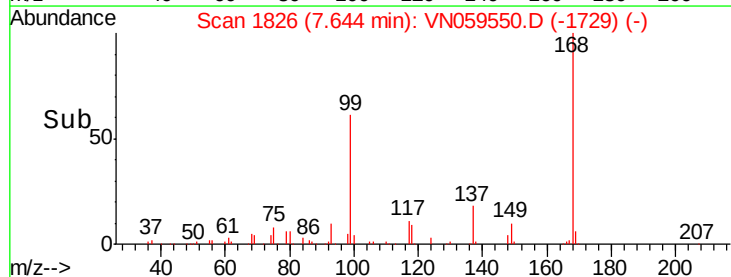
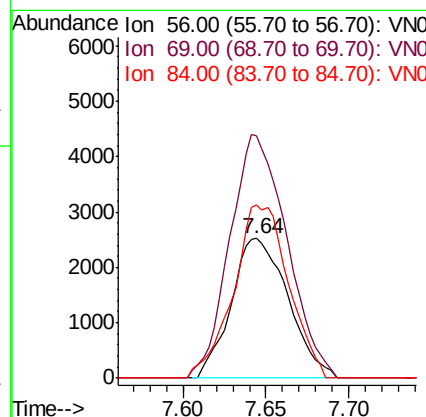
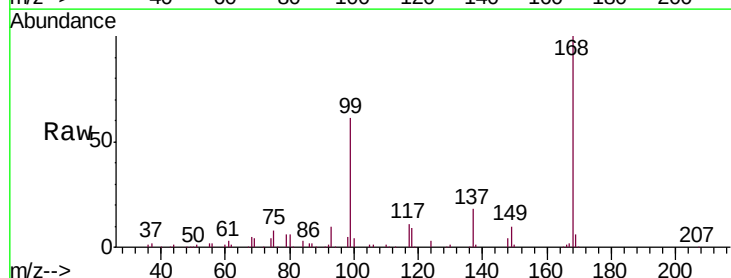
Instrument :
MSVOA_N
ClientSampleId :
IBLK

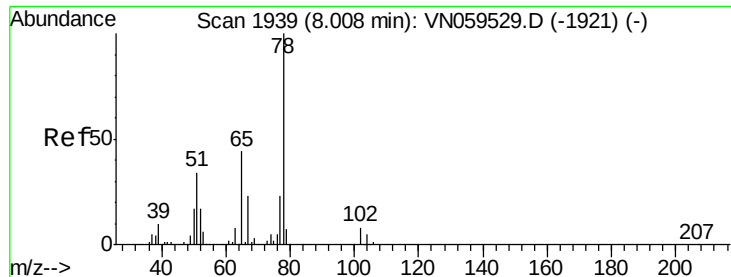
Tgt Ion: 83 Resp: 8979
Ion Ratio Lower Upper
83 100
85 60.2 50.6 75.8



#31
Cyclohexane
Concen: 1.121 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059550.D
Acq: 10 Dec 2019 16:16

Tgt Ion: 56 Resp: 6017
Ion Ratio Lower Upper
56 100
69 173.3 26.9 40.3#
84 124.4 66.5 99.7#

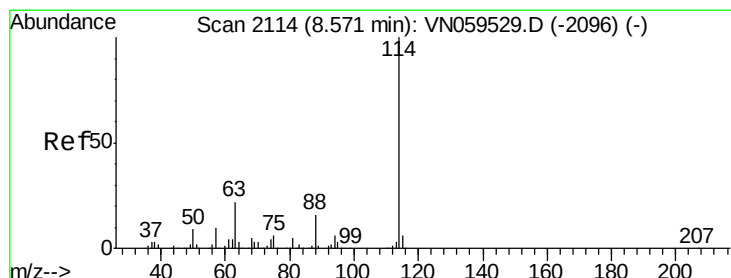
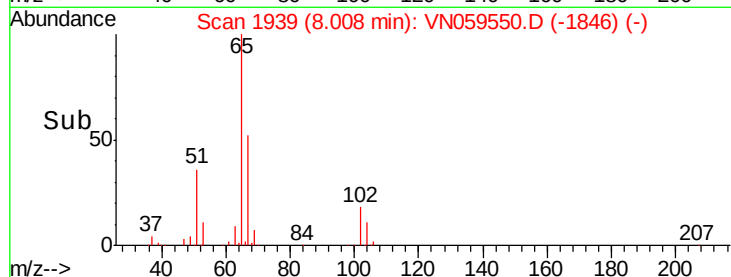
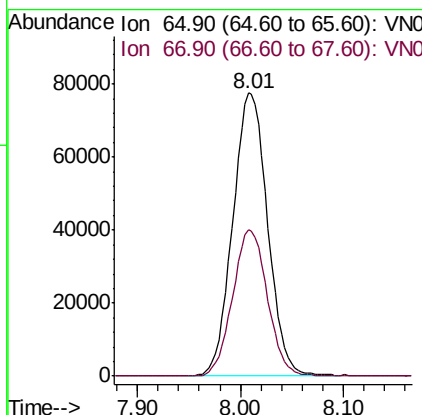
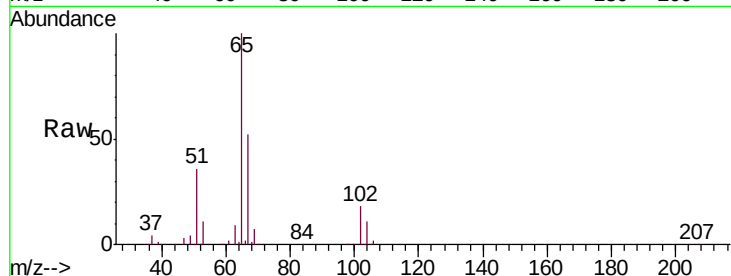




#33
 1,2-Dichloroethane-d4
 Concen: 51.252 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN059550.D
 Acq: 10 Dec 2019 16:16

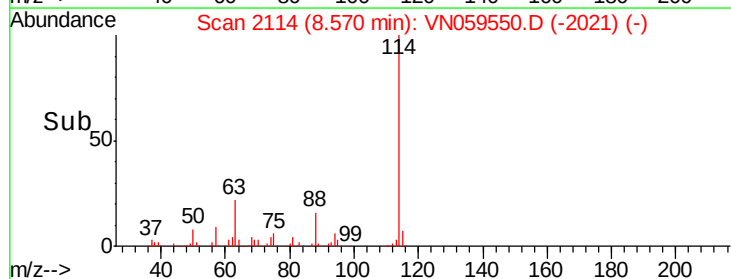
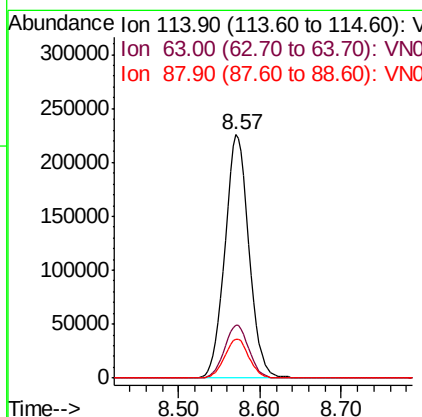
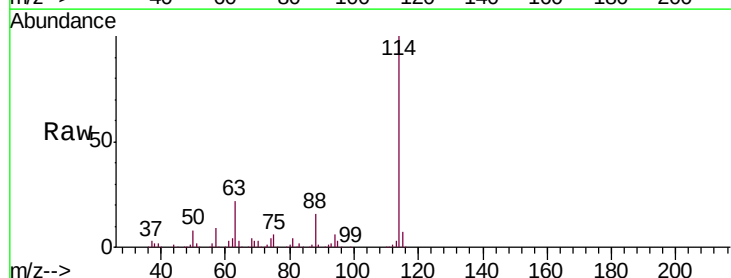
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

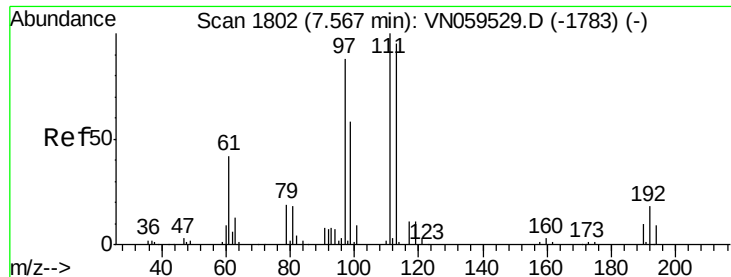
Tgt Ion: 65 Resp: 182570
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN059550.D
 Acq: 10 Dec 2019 16:16

Tgt Ion: 114 Resp: 470450
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 45.0
 88 16.2 0.0 32.2

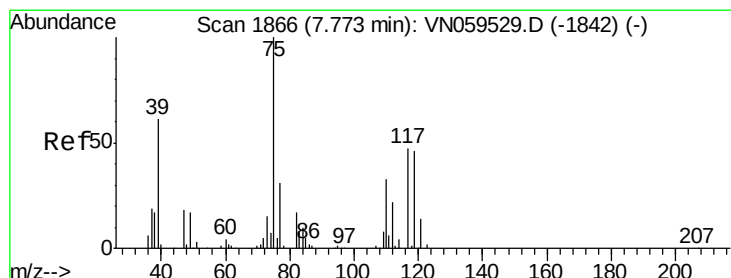
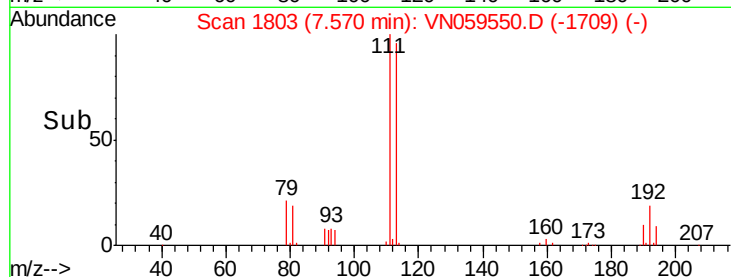
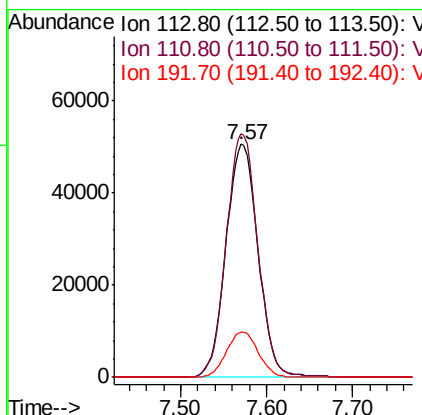
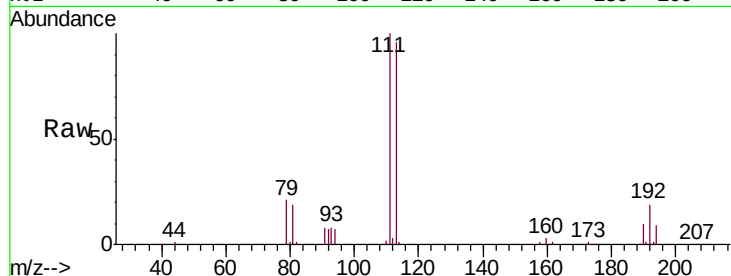




#35
 Dibromofluoromethane
 Concen: 46.729 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059550.D
 Acq: 10 Dec 2019 16:16

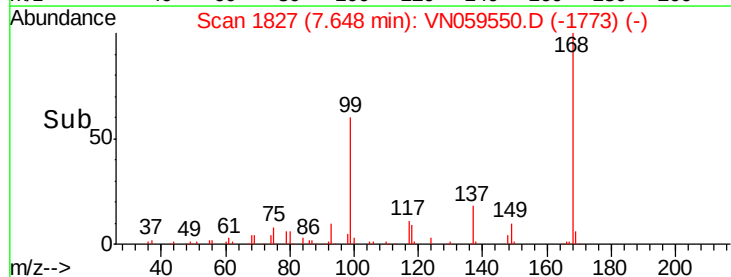
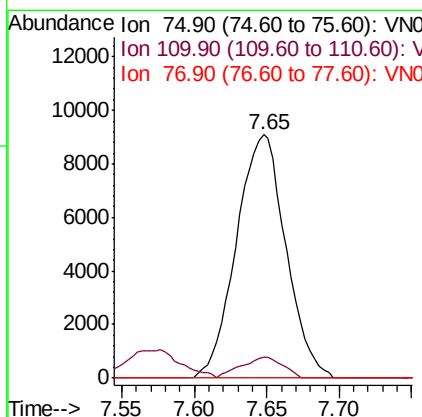
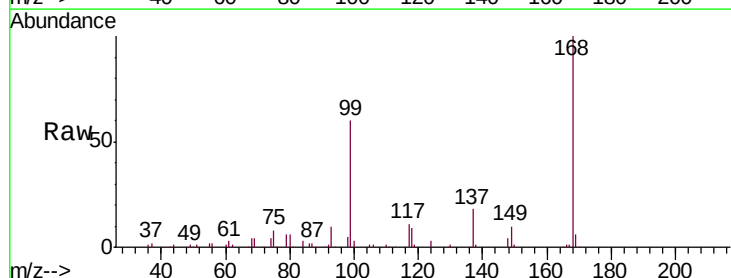
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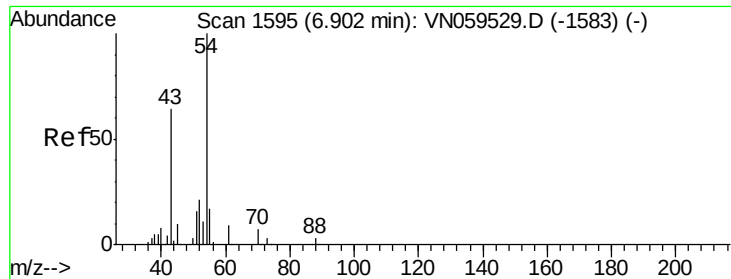
Tgt Ion: 113 Resp: 131186
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.2 123.4
 192 19.3 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.465 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN059550.D
 Acq: 10 Dec 2019 16:16

Tgt Ion: 75 Resp: 21550
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.7 50.0#
 77 0.0 24.6 37.0#

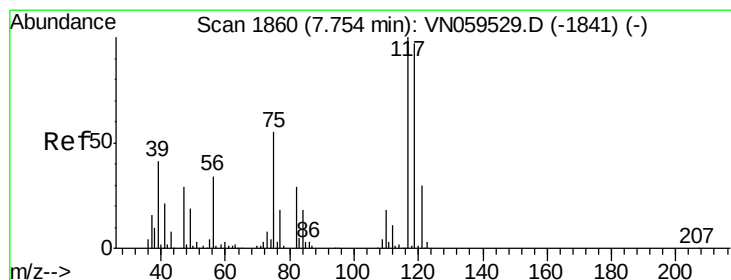
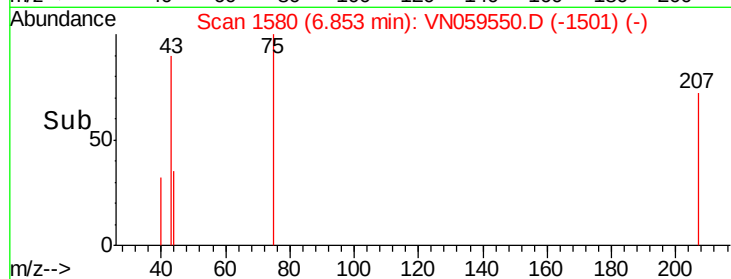
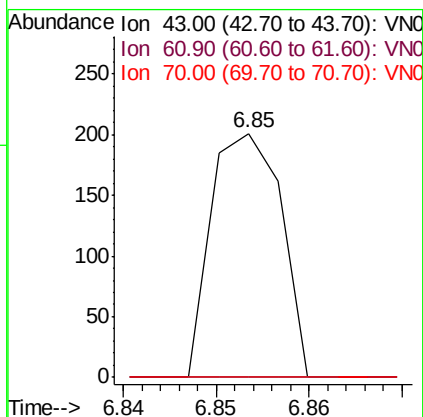
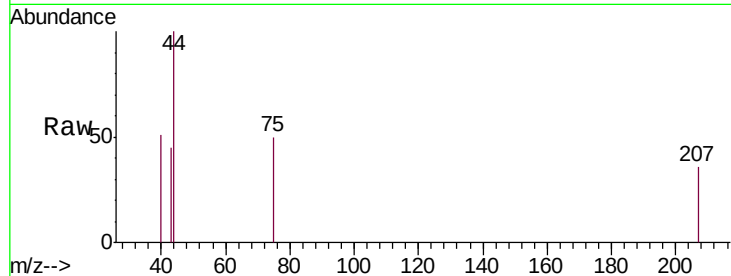




#37
Ethyl Acetate
Concen: 1.556 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. -0.05 min
Lab File: VN059550.D
Acq: 10 Dec 2019 16:16

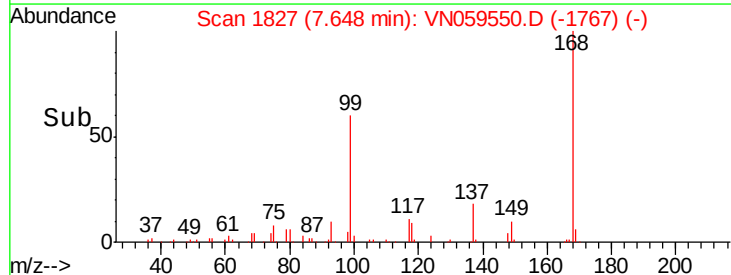
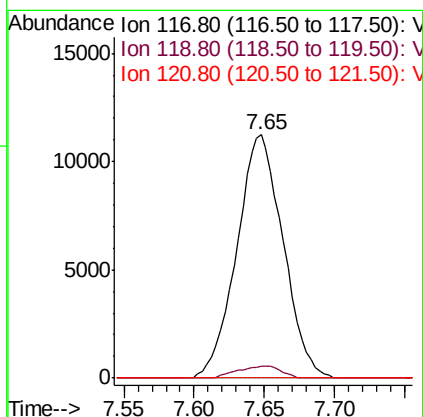
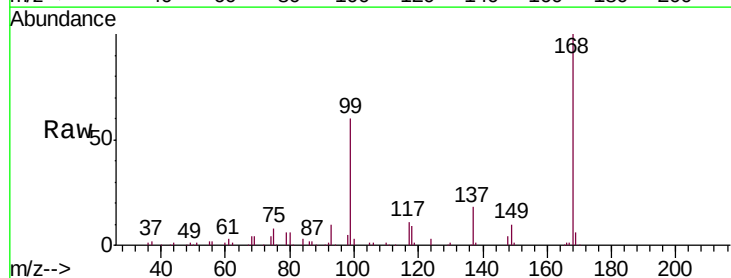
Instrument :
MSVOA_N
ClientSampled :
IBLK

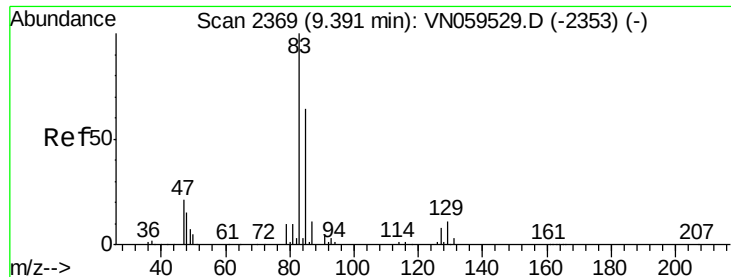
Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 5.414 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN059550.D
Acq: 10 Dec 2019 16:16

Tgt Ion: 117 Resp: 25759
Ion Ratio Lower Upper
117 100
119 4.9 77.0 115.4#
121 0.0 24.1 36.1#

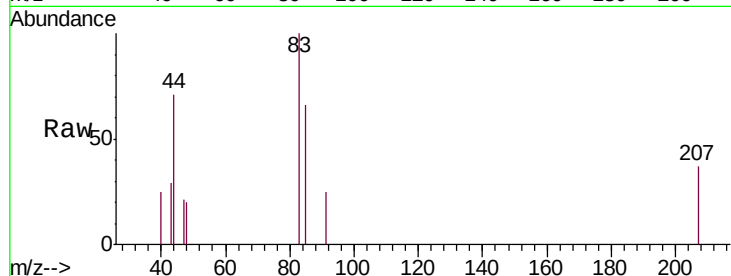




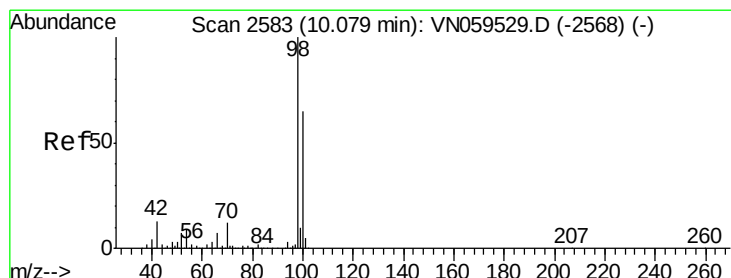
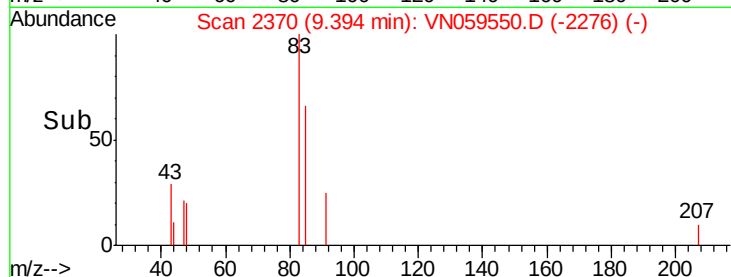
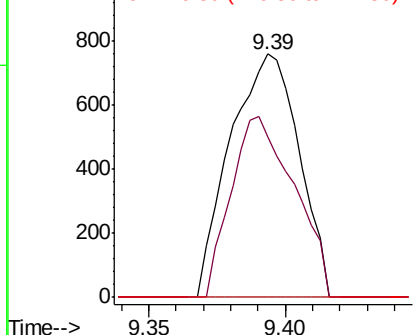
#47
Bromodichloromethane
Concen: 0.277 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN059550.D
Acq: 10 Dec 2019 16:16

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tgt Ion: 83 Resp: 1328
Ion Ratio Lower Upper
83 100
85 65.7 51.4 77.0
127 0.0 6.7 10.1#

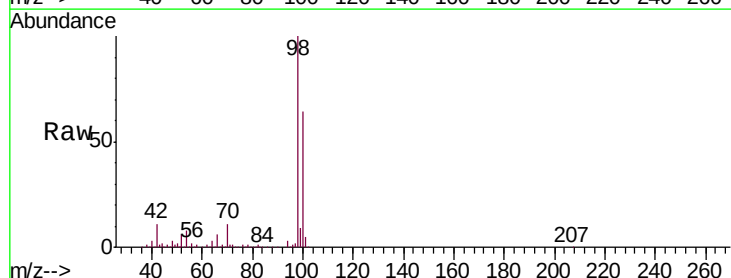


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

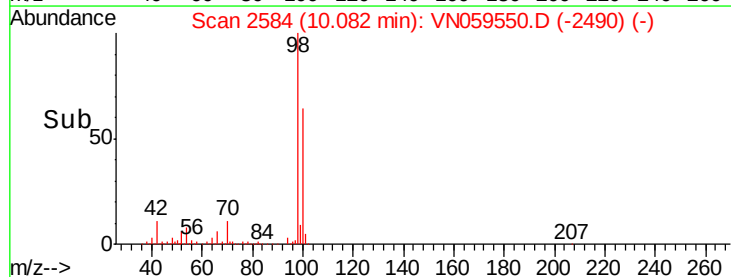
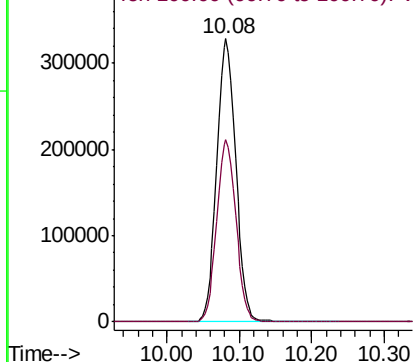


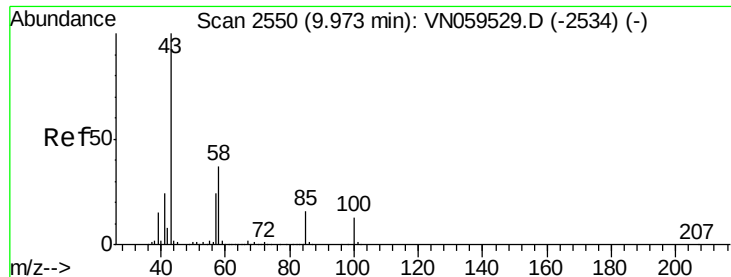
#50
Toluene-d8
Concen: 52.373 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059550.D
Acq: 10 Dec 2019 16:16

Tgt Ion: 98 Resp: 600268
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

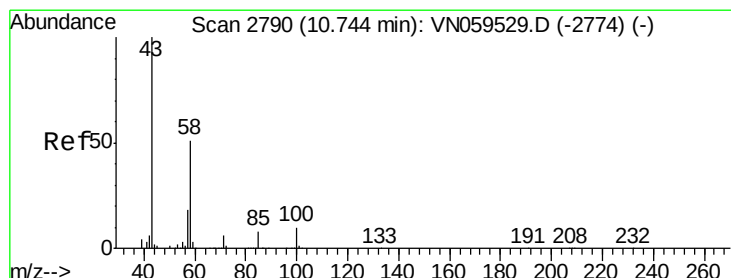
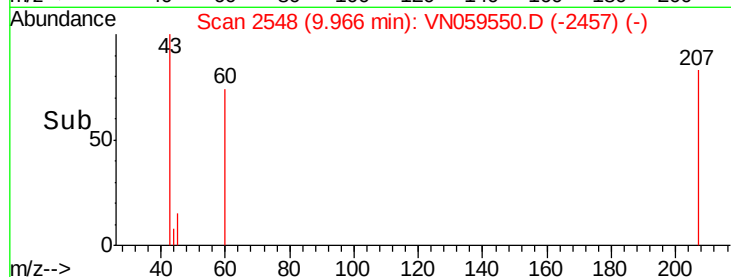
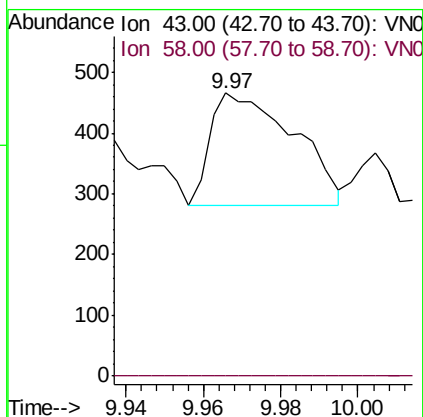
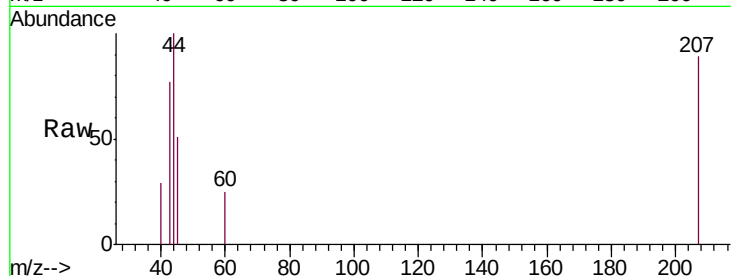




#51
4-Methyl-2-Pentanone
Concen: Below Cal
RT: 9.97 min Scan# 2548
Delta R.T. -0.01 min
Lab File: VN059550.D
Acq: 10 Dec 2019 16:16

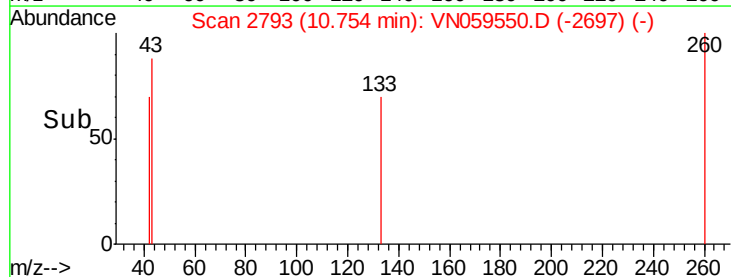
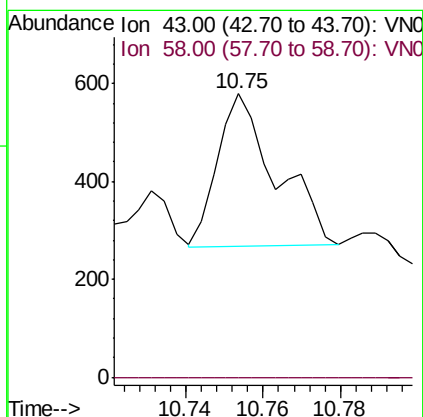
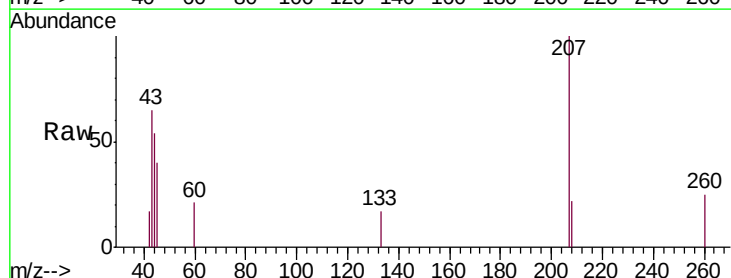
Instrument :
MSVOA_N
ClientSampled :
IBLK

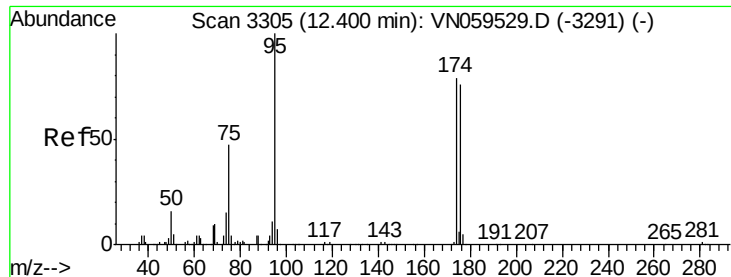
Tgt Ion: 43 Resp: 274
Ion Ratio Lower Upper
43 100
58 0.0 30.1 45.1#



#59
2-Hexanone
Concen: 2.294 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059550.D
Acq: 10 Dec 2019 16:16

Tgt Ion: 43 Resp: 327
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#





#62

4-Bromofluorobenzene

Concen: 47.866 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059550.D

Acq: 10 Dec 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

IBLK

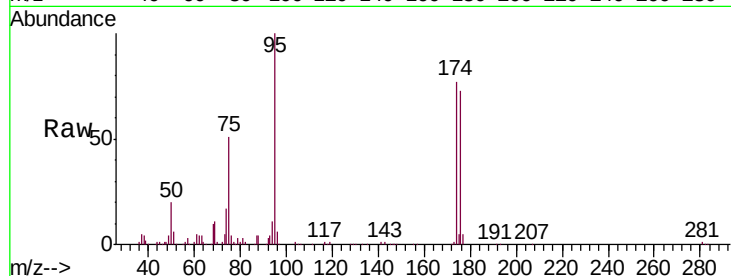
Tgt Ion: 95 Resp: 203077

Ion Ratio Lower Upper

95 100

174 77.6 0.0 158.0

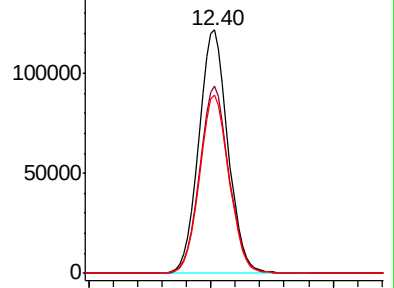
176 74.0 0.0 155.4



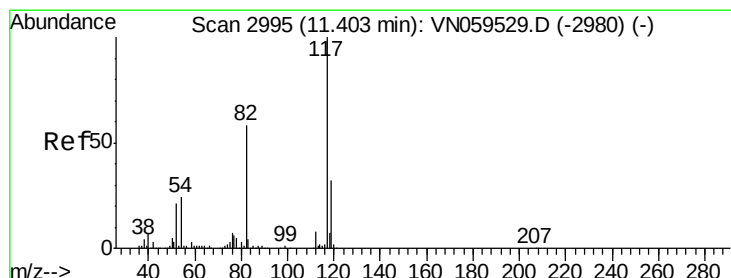
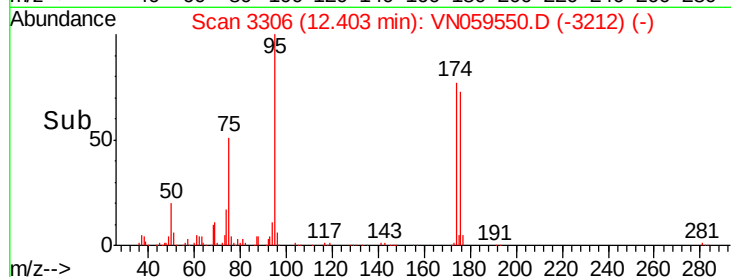
Abundance Ion 94.90 (94.60 to 95.60): VN059550.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059550.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059550.D (-3291) (-)



Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059550.D

Acq: 10 Dec 2019 16:16

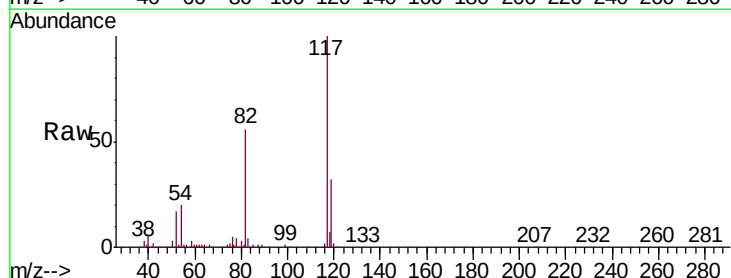
Tgt Ion: 117 Resp: 441999

Ion Ratio Lower Upper

117 100

82 55.8 46.5 69.7

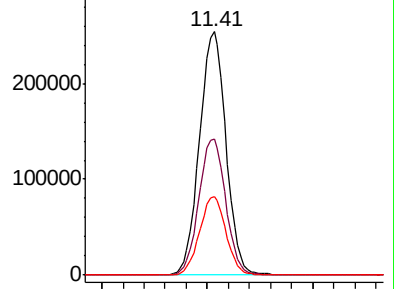
119 32.2 25.2 37.8



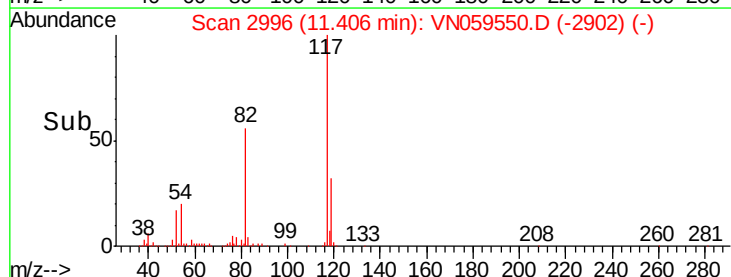
Abundance Ion 116.90 (116.60 to 117.60): VN059550.D (-2980) (-)

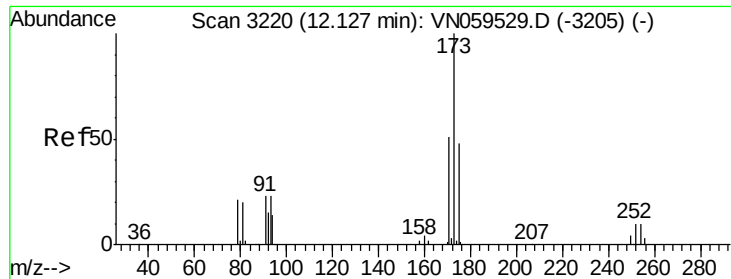
Ion 82.00 (81.70 to 82.70): VN059550.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN059550.D (-2980) (-)



Time--> 11.30 11.40 11.50

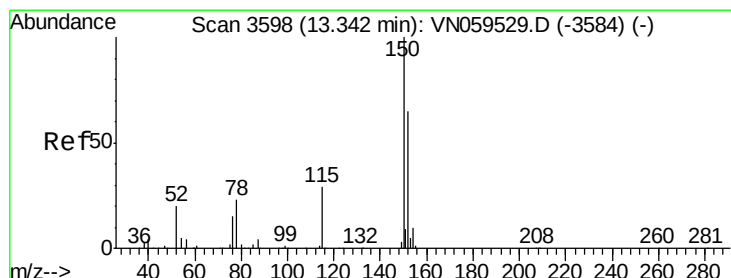
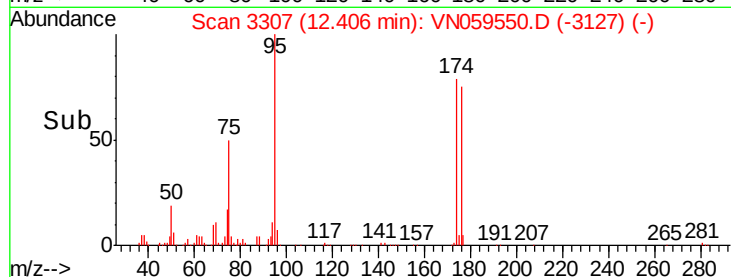
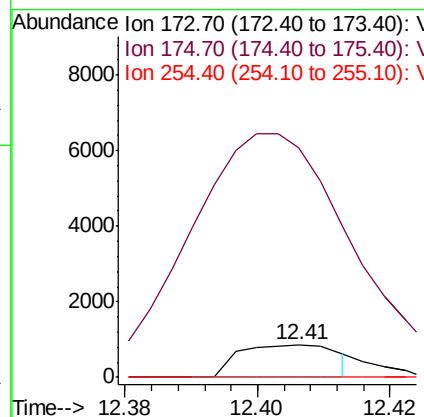
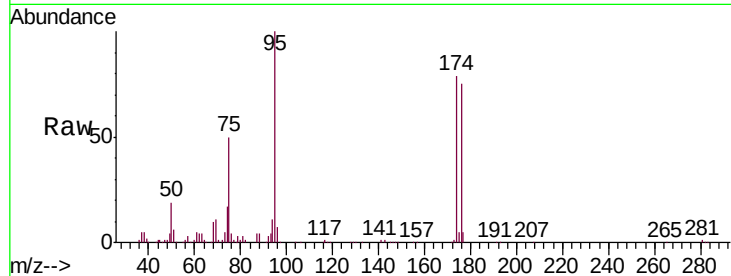




#71
Bromoform
Concen: 0.329 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN059550.D
Acq: 10 Dec 2019 16:16

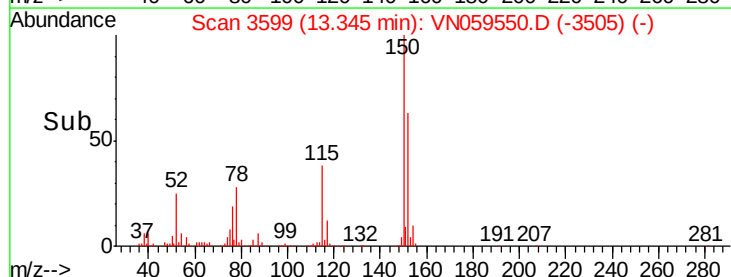
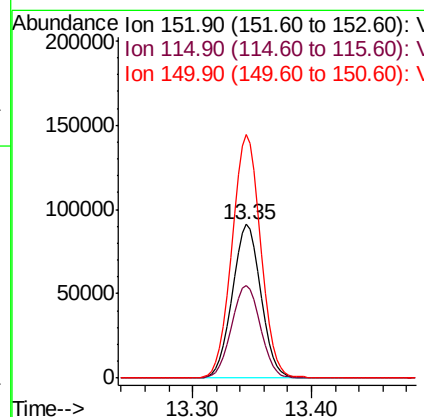
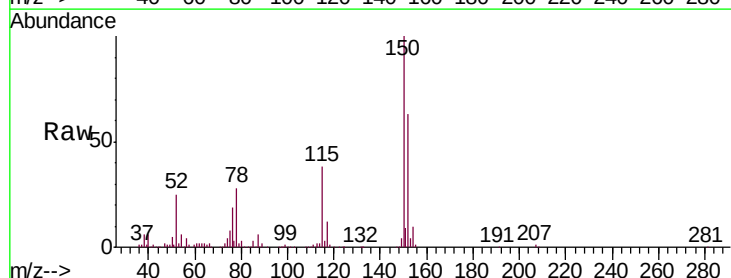
Instrument :
MSVOA_N
ClientSampled :
IBLK

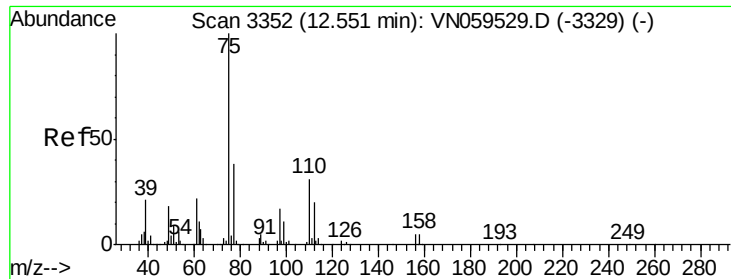
Tgt Ion:173 Resp: 894
Ion Ratio Lower Upper
173 100
175 1073.6 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059550.D
Acq: 10 Dec 2019 16:16

Tgt Ion:152 Resp: 152393
Ion Ratio Lower Upper
152 100
115 61.1 29.4 88.2
150 158.6 0.0 342.4





#76

1,2,3-Trichloropropane

Concen: 26.469 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059550.D

Acq: 10 Dec 2019 16:16

Instrument :

MSVOA_N

ClientSampled :

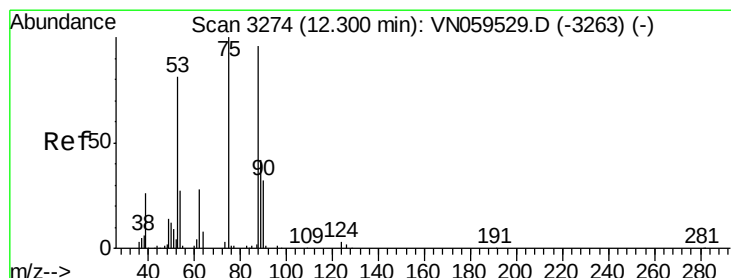
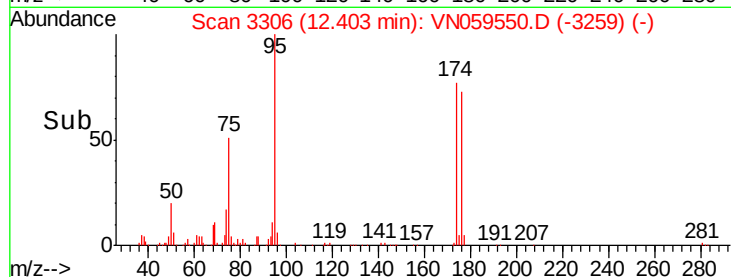
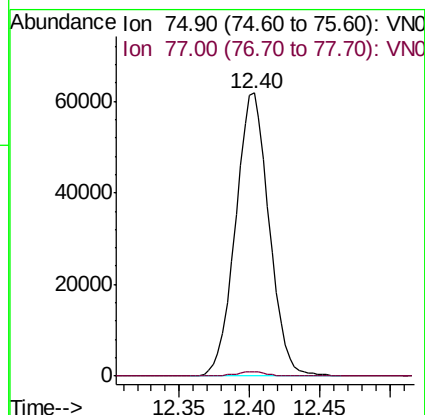
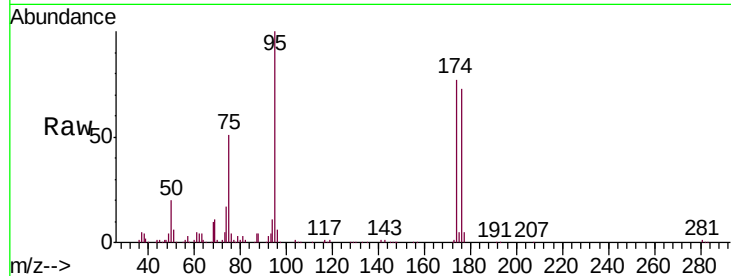
IBLK

Tgt Ion: 75 Resp: 103150

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.213 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059550.D

Acq: 10 Dec 2019 16:16

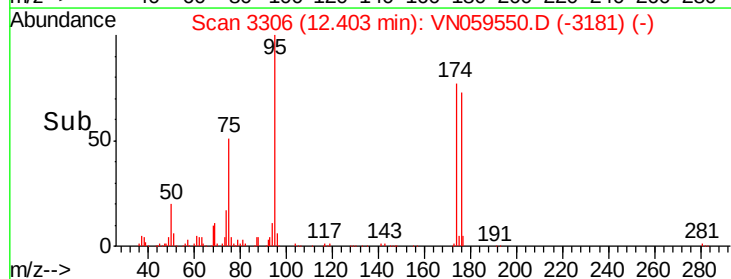
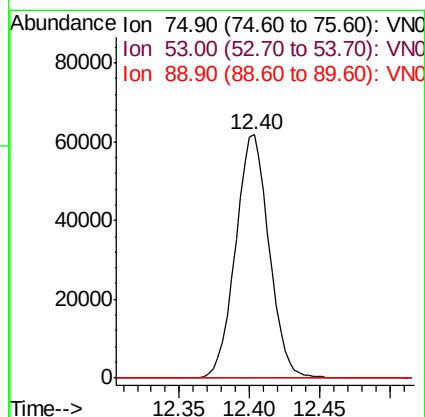
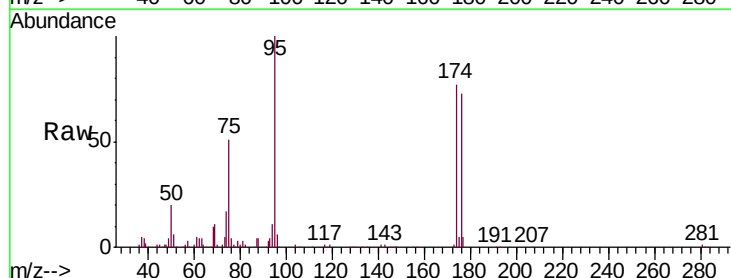
Tgt Ion: 75 Resp: 103150

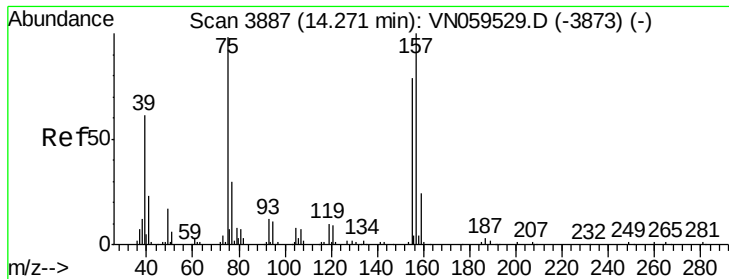
Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.6#

89 0.0 35.5 53.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.339 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN059550.D

Acq: 10 Dec 2019 16:16

Instrument :

MSVOA_N

ClientSampled :

IBLK

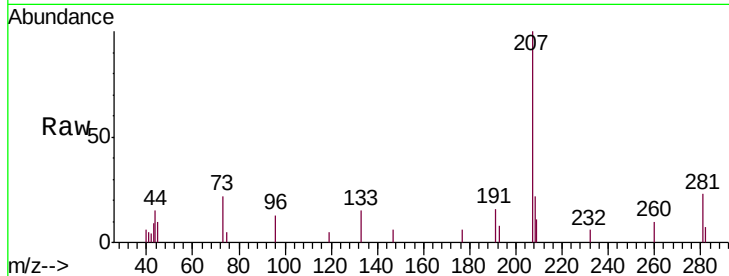
Tgt Ion: 75 Resp: 240

Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.1#

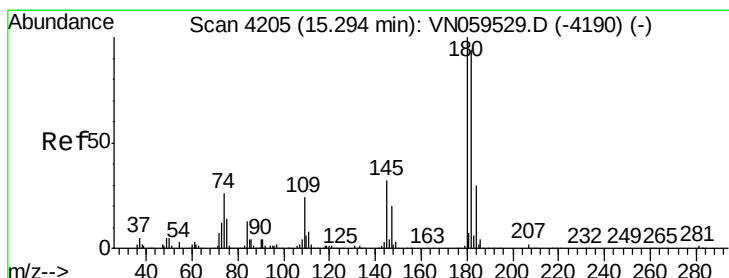
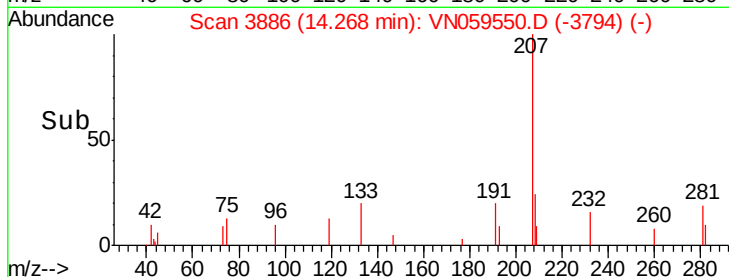
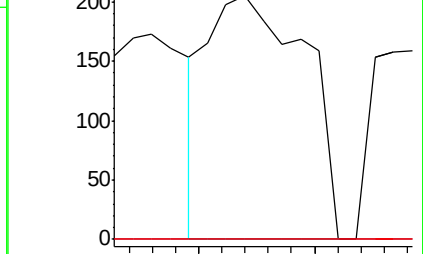
157 0.0 51.1 153.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#96

1,2,3-Trichlorobenzene

Concen: 2.450 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. 0.01 min

Lab File: VN059550.D

Acq: 10 Dec 2019 16:16

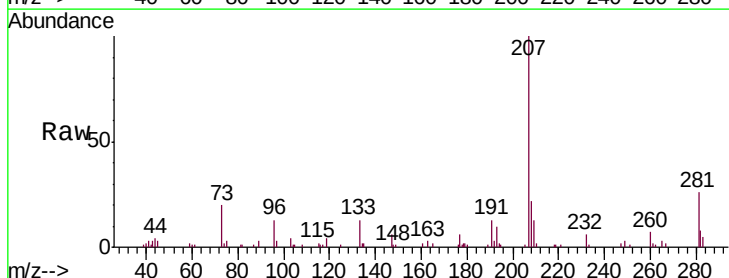
Tgt Ion: 180 Resp: 138

Ion Ratio Lower Upper

180 100

182 0.0 47.1 141.4#

145 22.5 15.8 47.4



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

