

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111819\
 Data File : VN059275.D
 Acq On : 18 Nov 2019 11:53
 Operator : JC/SP
 Sample : VN1118WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBL01

Quant Time: Nov 18 14:24:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	405540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	619718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	535617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	190446	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	241984	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
35) Dibromofluoromethane	7.57	113	194502	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
50) Toluene-d8	10.08	98	753163	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.40	95	232335	44.21	ug/l	0.00
Spiked Amount			Recovery	=	88.42%	

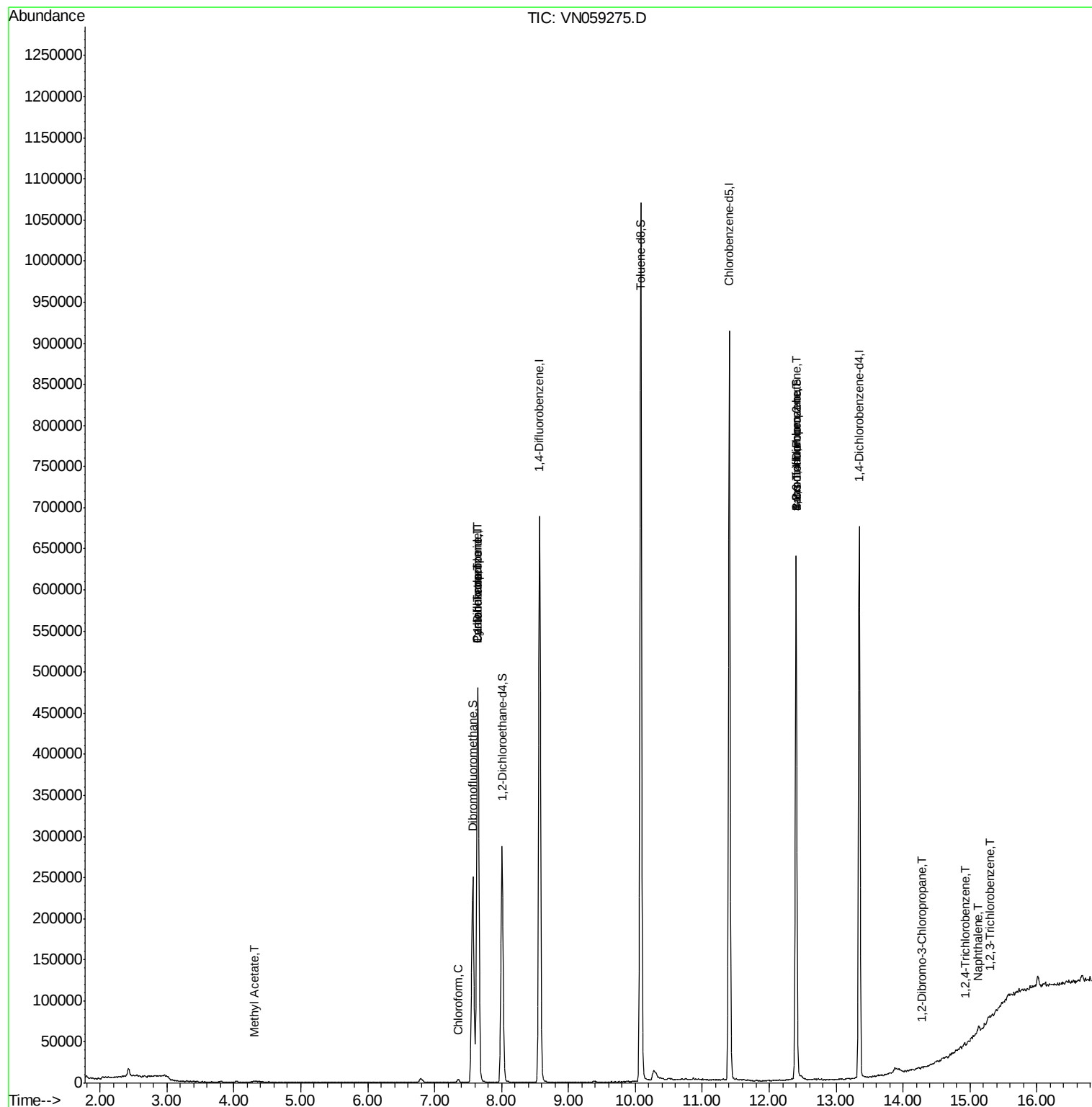
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Methyl Acetate	4.30	43	1428	0.232	ug/l #	69
30) Chloroform	7.35	83	4358	0.554	ug/l #	80
31) Cyclohexane	7.65	56	7797	1.005	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	29815	5.147	ug/l #	50
38) Carbon Tetrachloride	7.64	117	37925	6.578	ug/l #	17
71) Bromoform	12.40	173	1371	0.450	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	113185	26.105	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	113185	68.950	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.29	75	344	0.392	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.92	180	1283	3.385	ug/l	83
95) Naphthalene	15.13	128	4500	3.473	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.30	180	1601	0.487	ug/l #	80

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

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ALS Vial : 4 Sample Multiplier: 1

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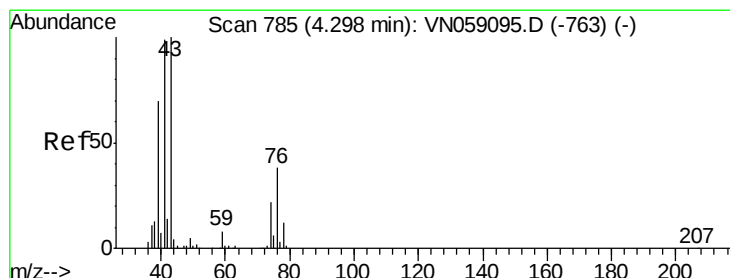
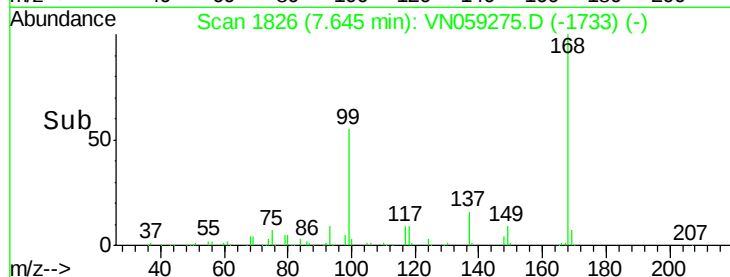
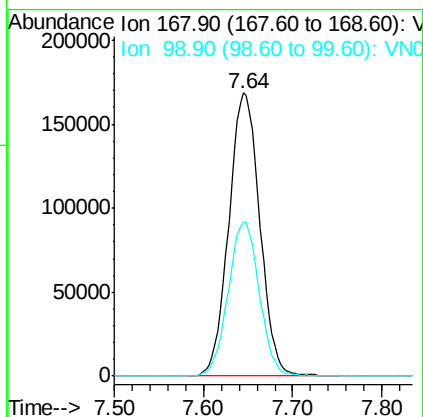
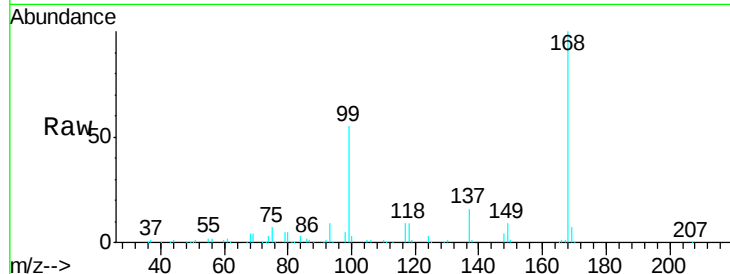




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN059275.D
Acq: 18 Nov 2019 11:53

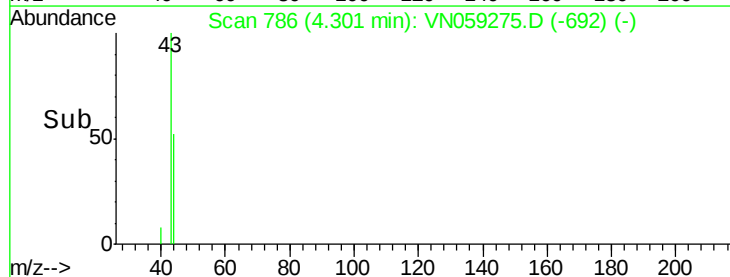
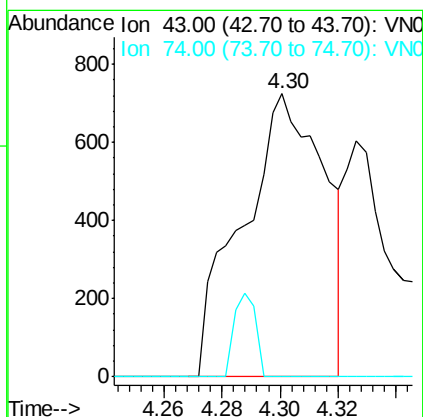
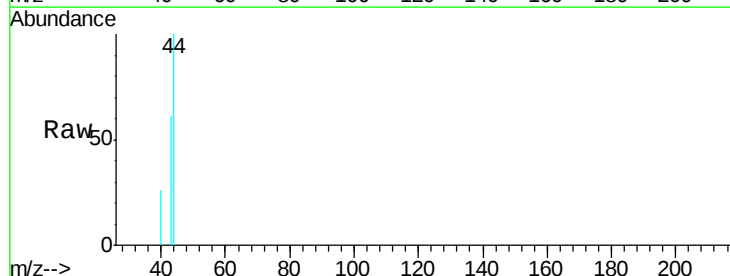
Instrument :
MSVOA_N
ClientSampleId :
VN1118WBL01

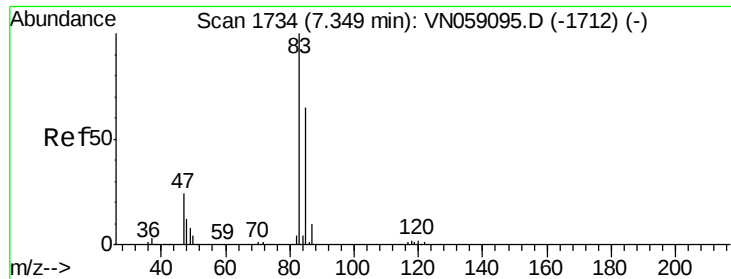
Tgt Ion:168 Resp: 405540
Ion Ratio Lower Upper
168 100
99 54.7 45.7 68.5



#18
Methyl Acetate
Concen: 0.232 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059275.D
Acq: 18 Nov 2019 11:53

Tgt Ion: 43 Resp: 1428
Ion Ratio Lower Upper
43 100
74 7.6 17.8 26.8#

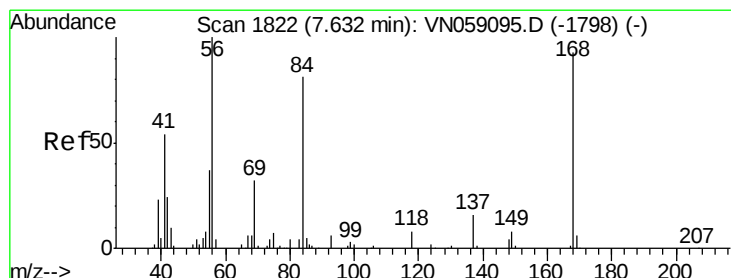
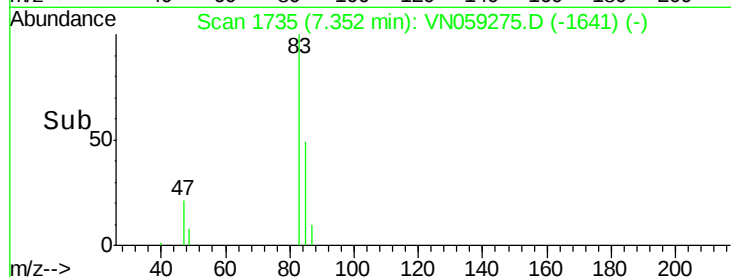
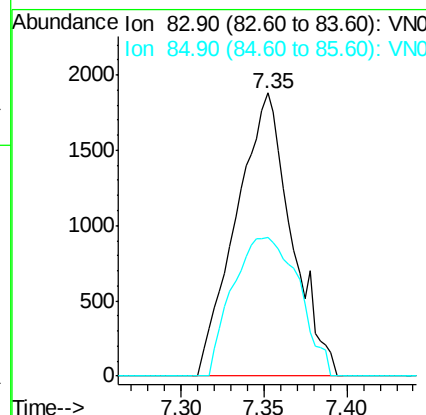
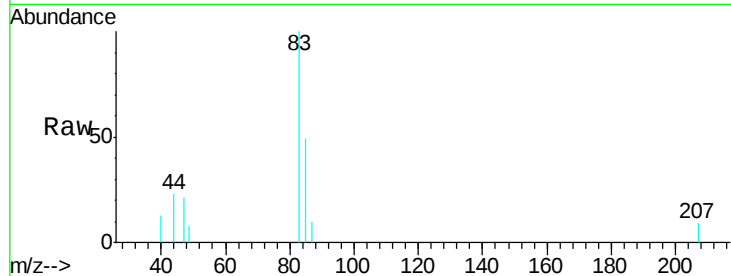




#30
Chloroform
Concen: 0.554 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059275.D
Acq: 18 Nov 2019 11:53

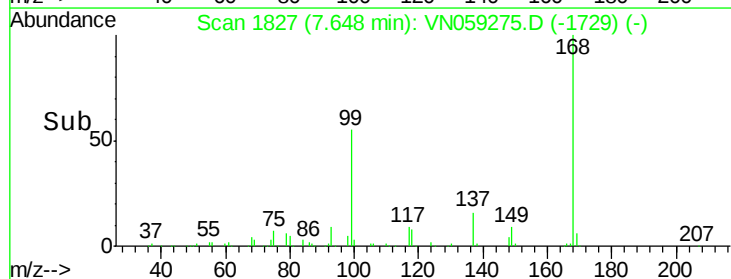
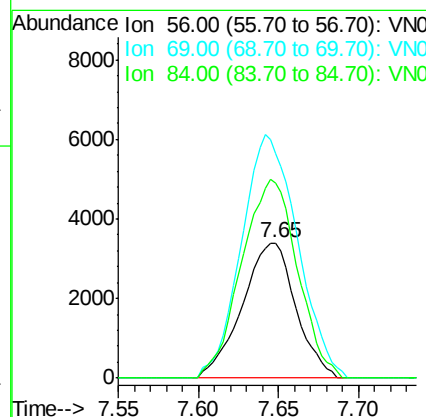
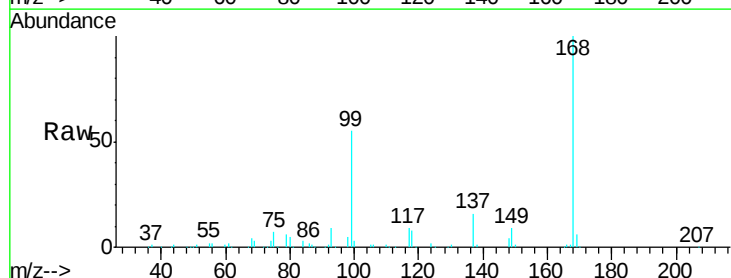
Instrument :
MSVOA_N
ClientSampleId :
VN1118WBL01

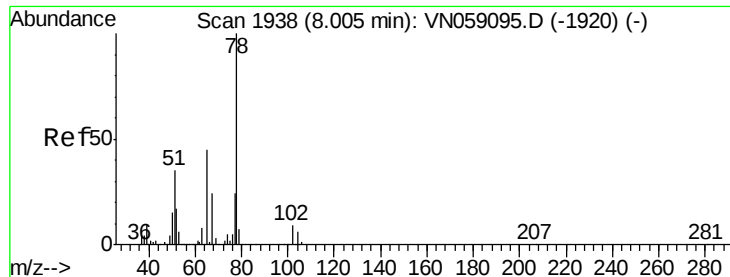
Tgt Ion: 83 Resp: 4358
Ion Ratio Lower Upper
83 100
85 49.1 51.8 77.8#



#31
Cyclohexane
Concen: 1.005 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.02 min
Lab File: VN059275.D
Acq: 18 Nov 2019 11:53

Tgt Ion: 56 Resp: 7797
Ion Ratio Lower Upper
56 100
69 166.1 25.8 38.8#
84 144.2 65.0 97.4#

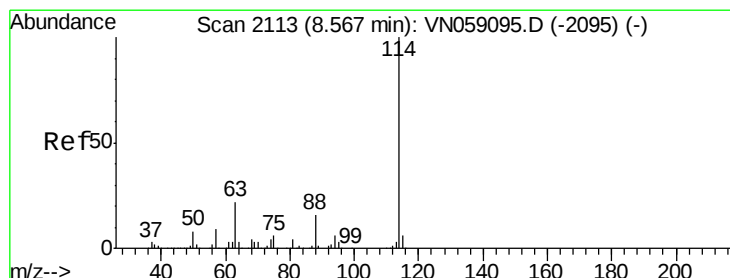
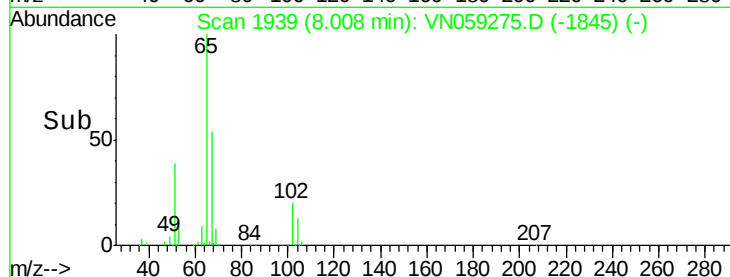
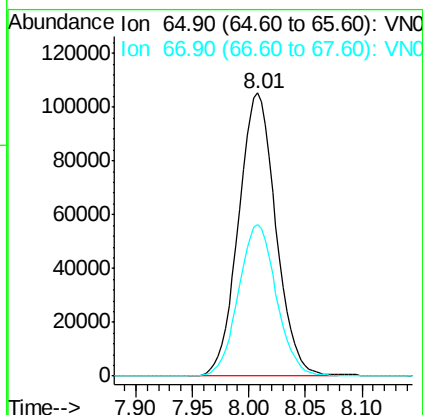
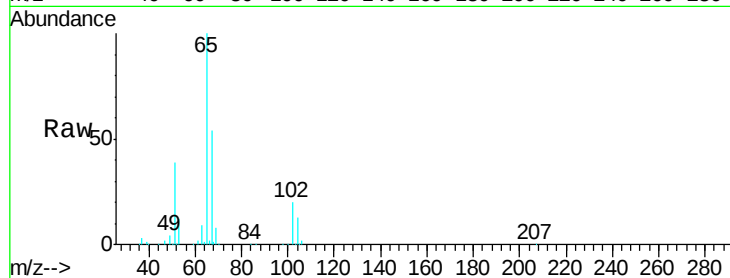




#33
 1,2-Dichloroethane-d4
 Concen: 48.541 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059275.D
 Acq: 18 Nov 2019 11:53

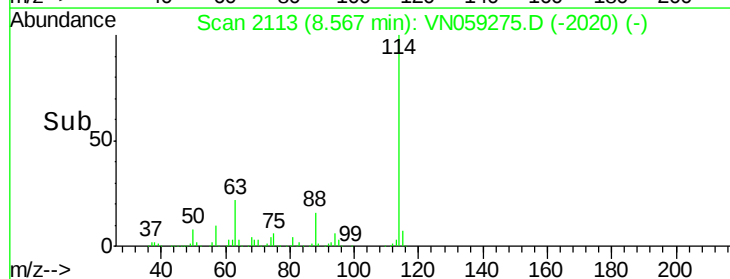
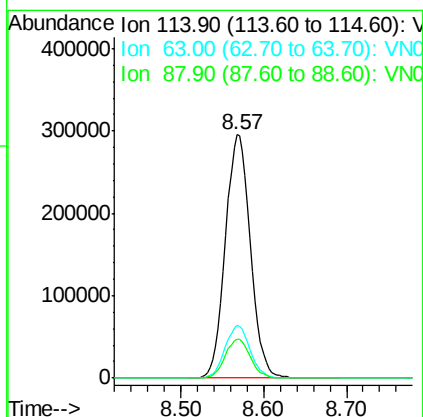
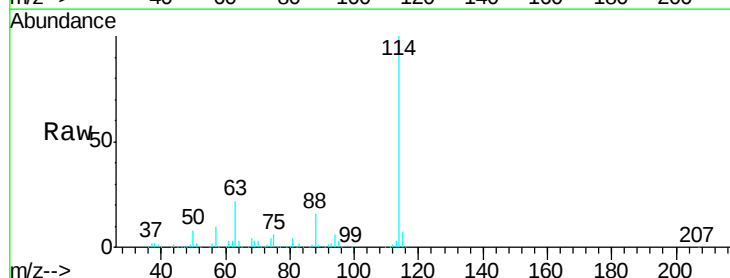
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBL01

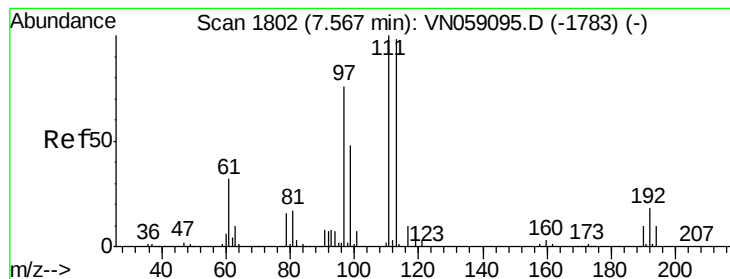
Tgt Ion: 65 Resp: 241984
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059275.D
 Acq: 18 Nov 2019 11:53

Tgt Ion: 114 Resp: 619718
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.4
 88 16.1 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.564 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059275.D

Acq: 18 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

VN1118WBL01

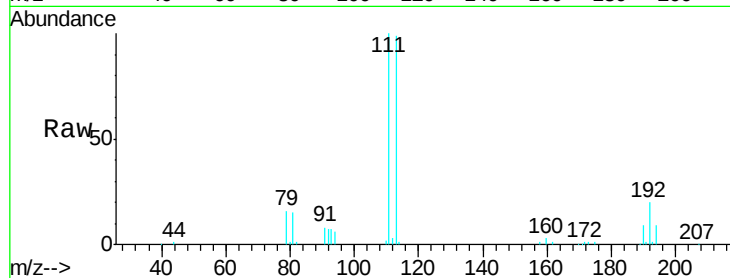
Tgt Ion:113 Resp: 194502

Ion Ratio Lower Upper

113 100

111 101.6 82.8 124.2

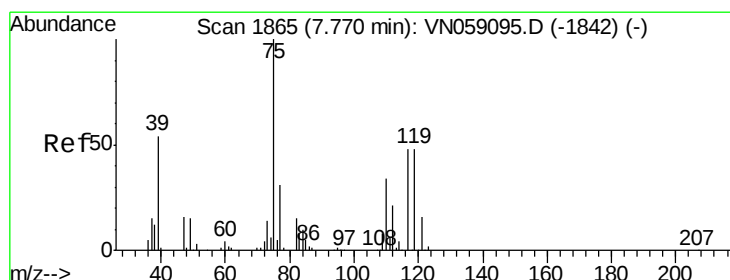
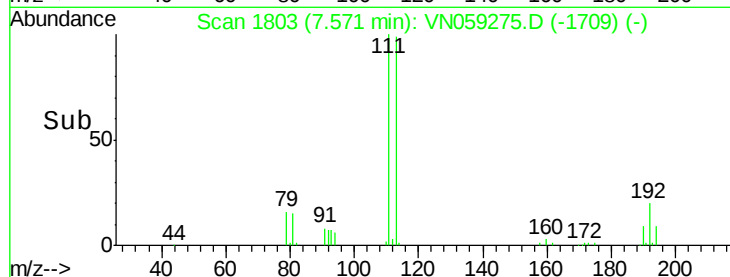
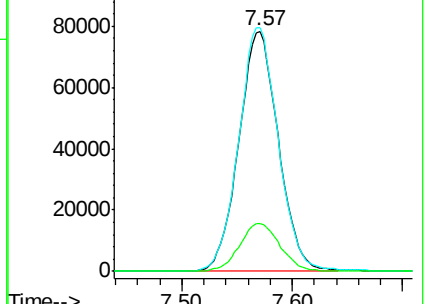
192 20.3 16.1 24.1



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: 5.147 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN059275.D

Acq: 18 Nov 2019 11:53

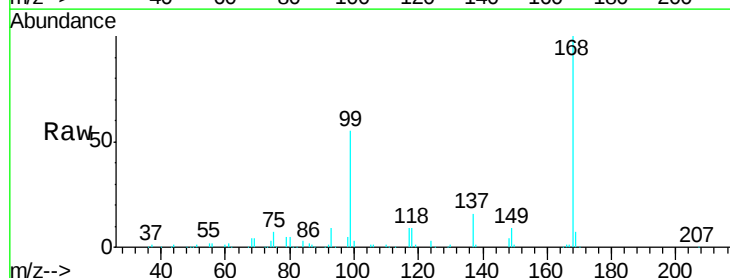
Tgt Ion: 75 Resp: 29815

Ion Ratio Lower Upper

75 100

110 8.9 17.1 51.2#

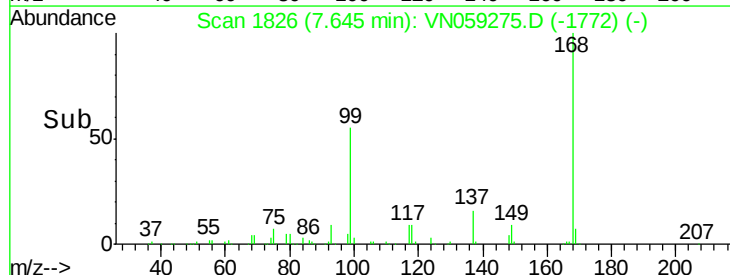
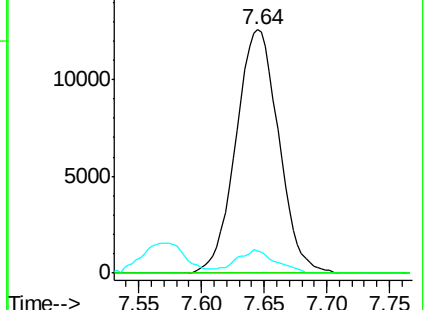
77 0.0 24.8 37.2#

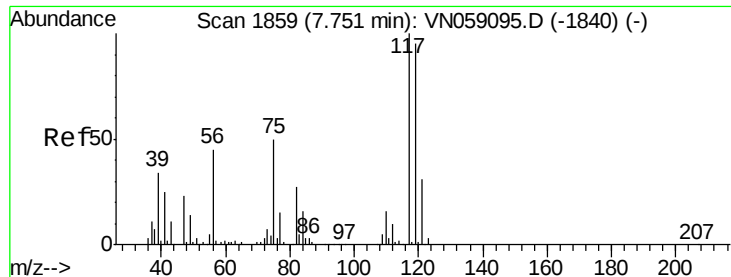


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

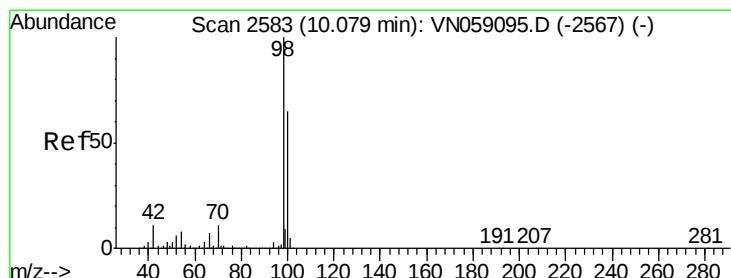
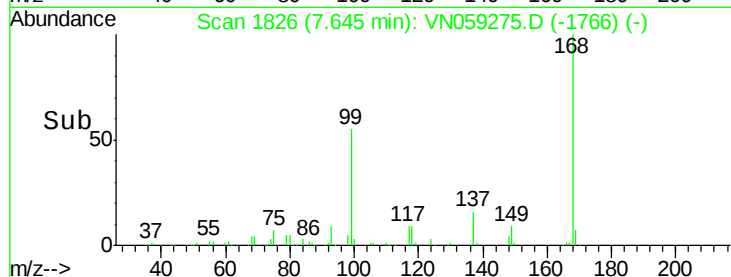
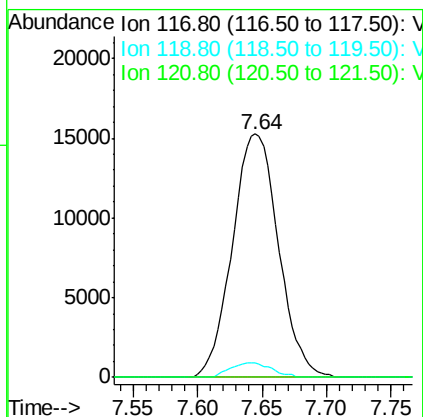
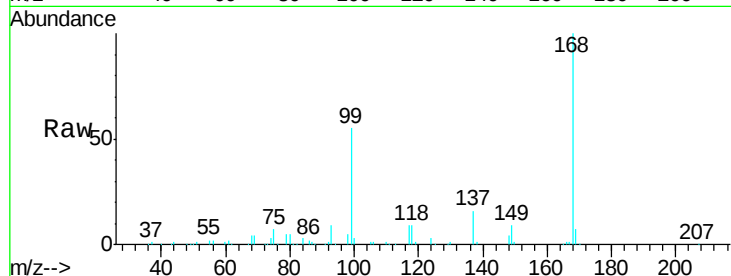




#38
Carbon Tetrachloride
Concen: 6.578 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059275.D
Acq: 18 Nov 2019 11:53

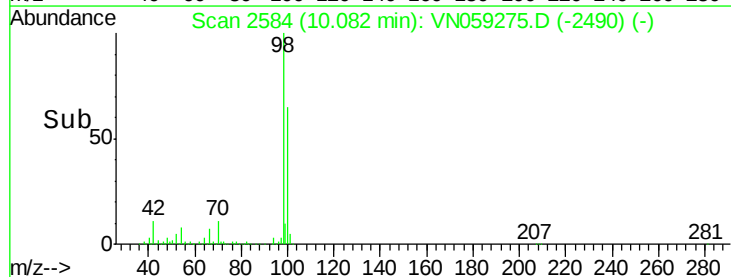
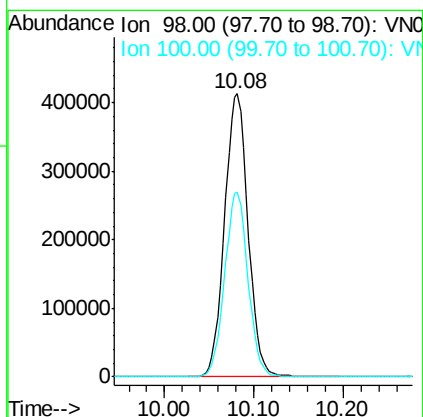
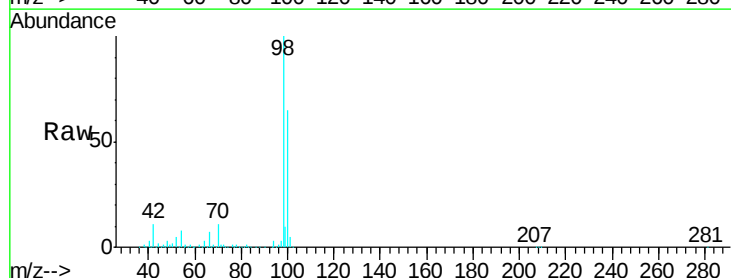
Instrument :
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VN1118WBL01

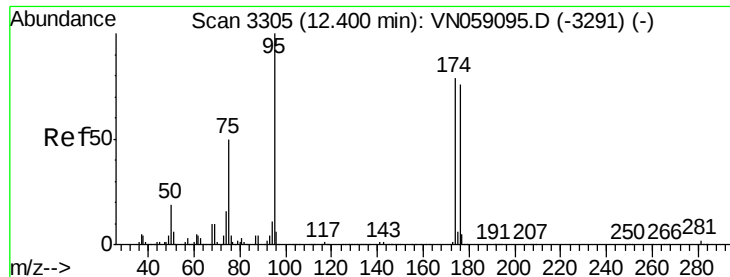
Tgt Ion: 117 Resp: 37925
Ion Ratio Lower Upper
117 100
119 5.9 75.6 113.4#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 51.674 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059275.D
Acq: 18 Nov 2019 11:53

Tgt Ion: 98 Resp: 753163
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 44.210 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059275.D

Acq: 18 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBL01

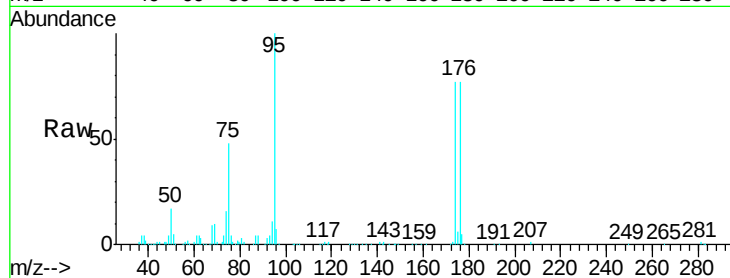
Tgt Ion: 95 Resp: 232335

Ion Ratio Lower Upper

95 100

174 79.3 0.0 158.2

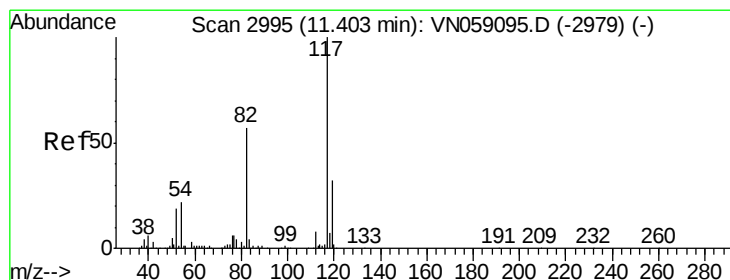
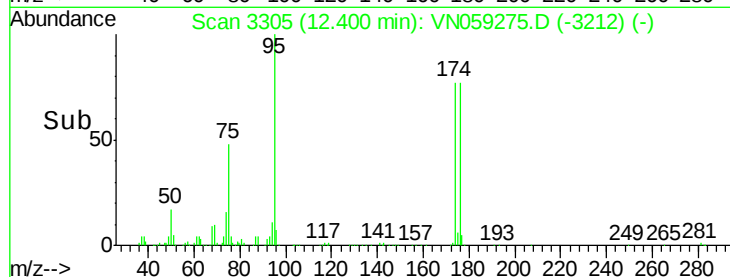
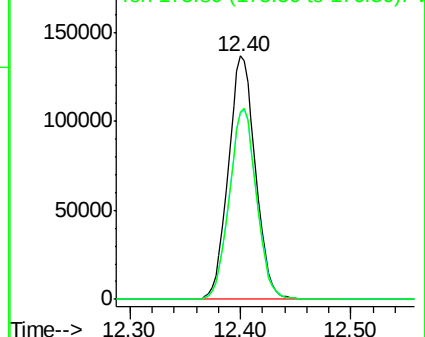
176 78.5 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN059095.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059095.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059095.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059275.D

Acq: 18 Nov 2019 11:53

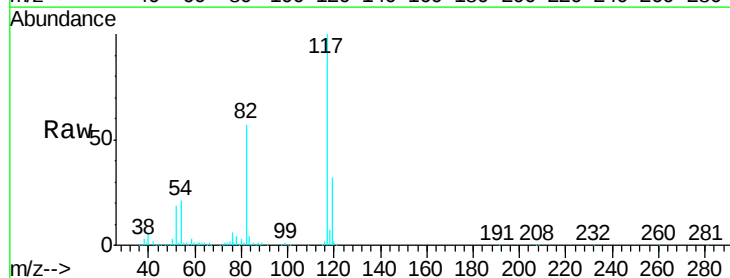
Tgt Ion: 117 Resp: 535617

Ion Ratio Lower Upper

117 100

82 57.4 45.8 68.8

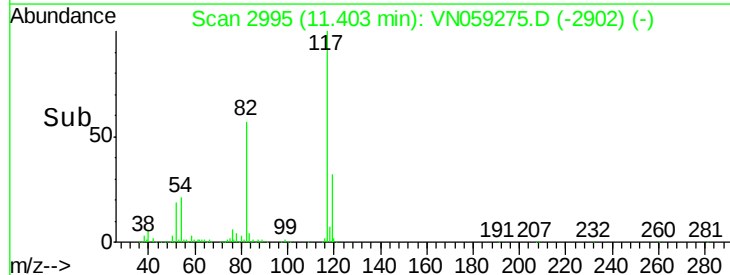
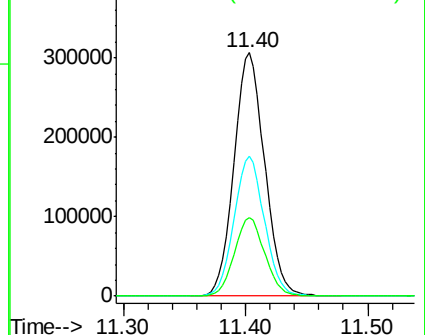
119 32.5 25.8 38.6

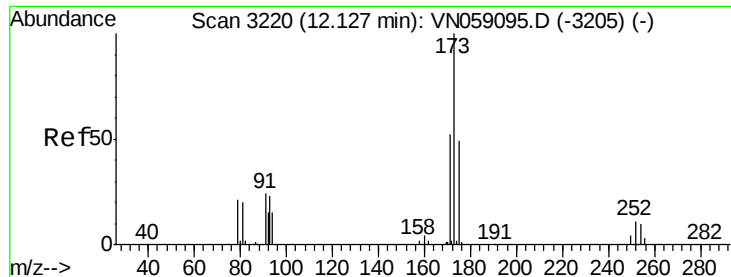


Abundance Ion 116.90 (116.60 to 117.60): VN059095.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059095.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059095.D (-2979) (-)





#71

Bromoform

Concen: 0.450 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059275.D

Acq: 18 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBL01

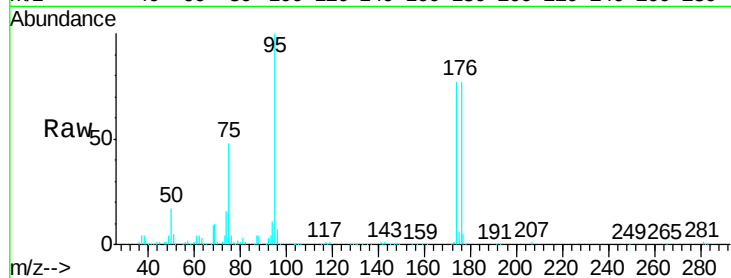
Tgt Ion:173 Resp: 1371

Ion Ratio Lower Upper

173 100

175 806.2 24.2 72.6#

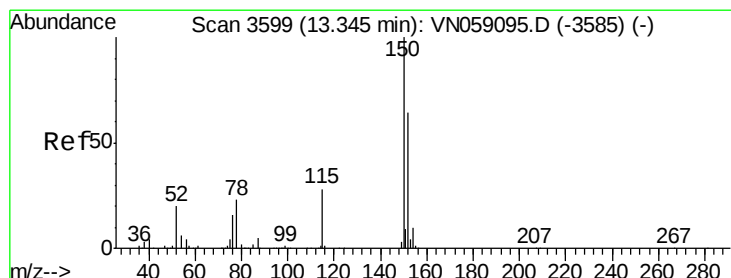
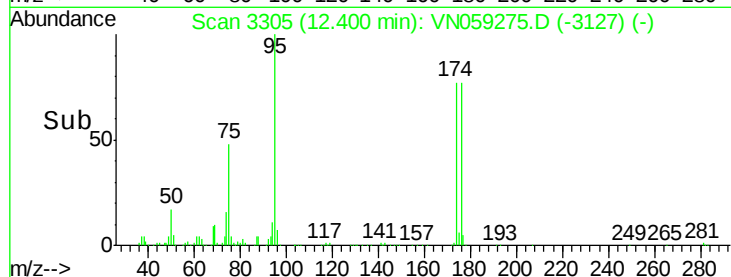
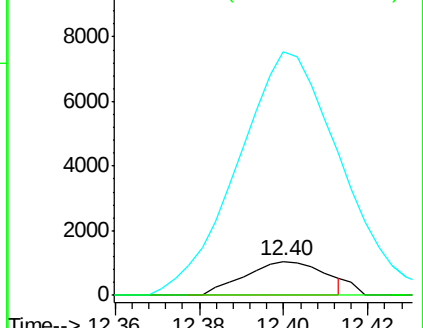
254 0.0 0.1 0.1#



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: VN059275.D

Acq: 18 Nov 2019 11:53

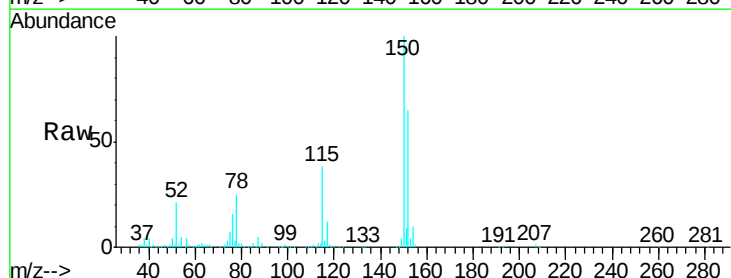
Tgt Ion:152 Resp: 190446

Ion Ratio Lower Upper

152 100

115 58.5 29.4 88.2

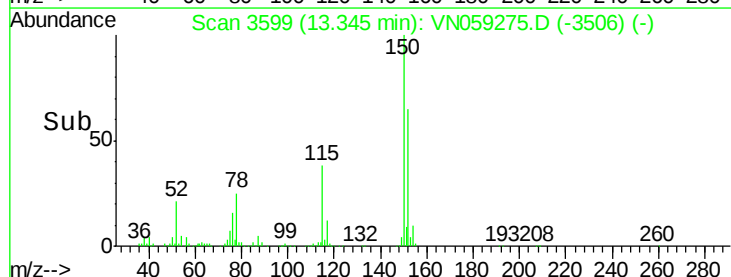
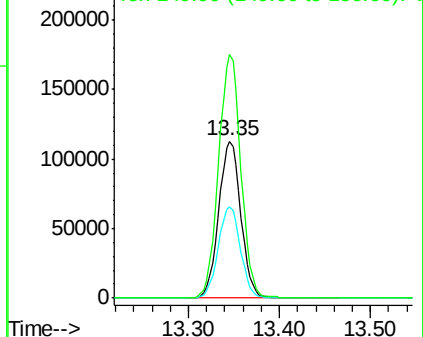
150 156.3 0.0 345.8

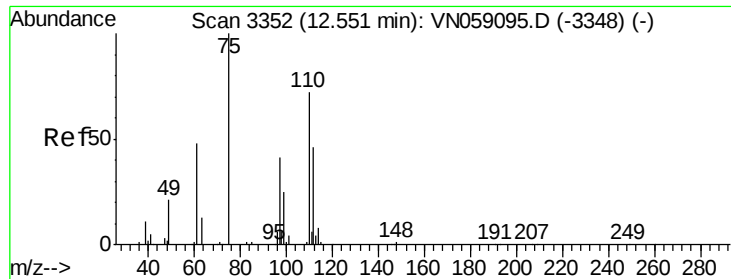


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.105 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059275.D

Acq: 18 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

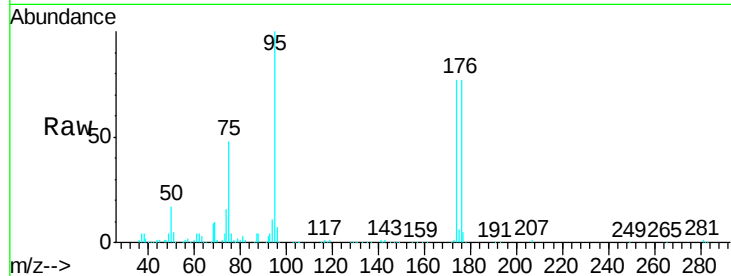
VN1118WBL01

Tgt Ion: 75 Resp: 113185

Ion Ratio Lower Upper

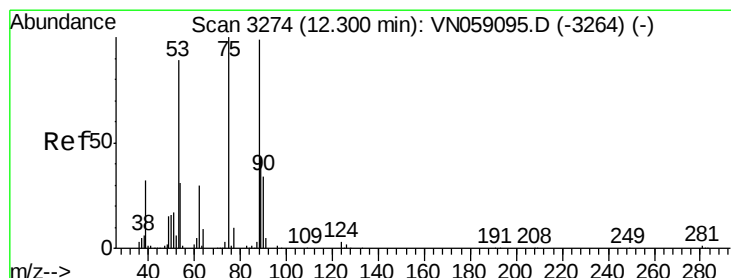
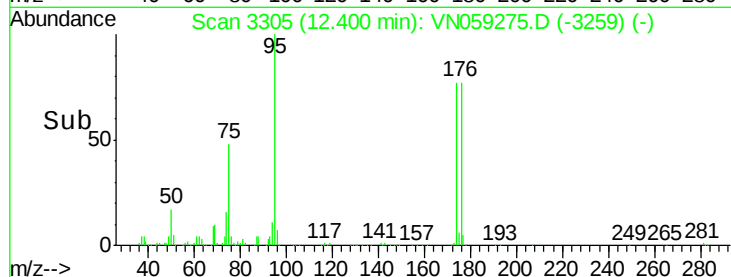
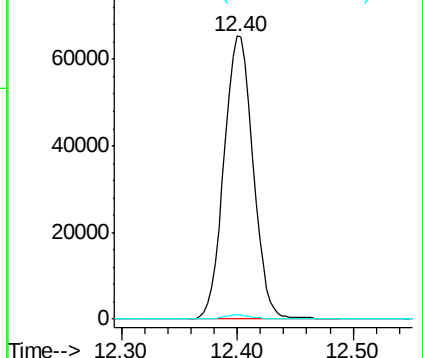
75 100

77 1.5 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: 68.950 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059275.D

Acq: 18 Nov 2019 11:53

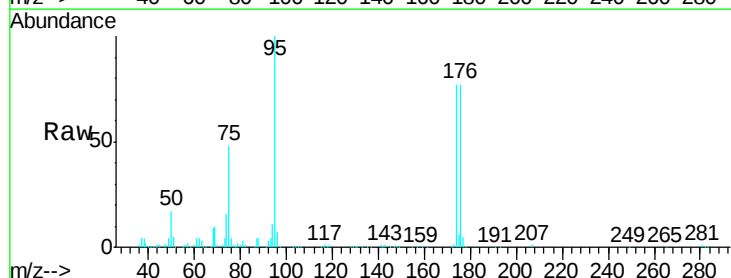
Tgt Ion: 75 Resp: 113185

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

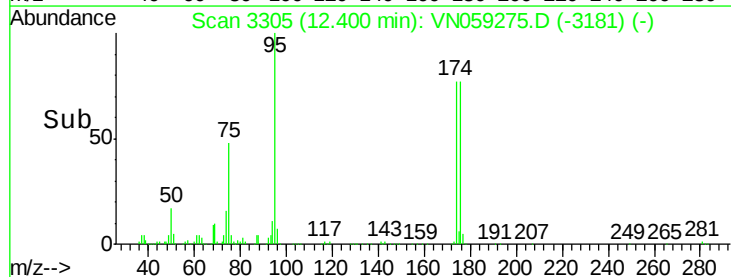
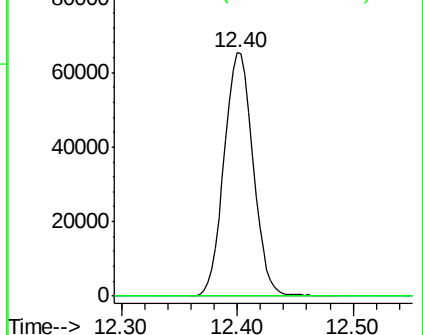
89 0.0 35.8 53.8#

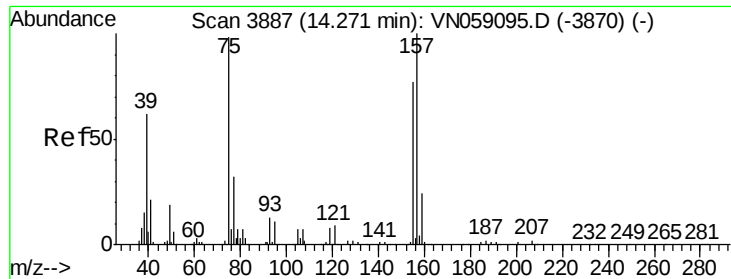


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.392 ug/l

RT: 14.29 min Scan# 3892

Delta R.T. 0.02 min

Lab File: VN059275.D

Acq: 18 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

VN1118WBL01

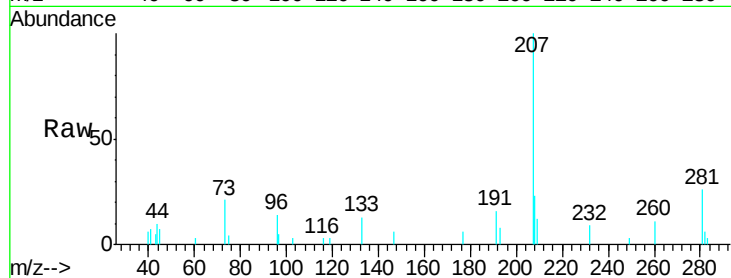
Tgt Ion: 75 Resp: 344

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

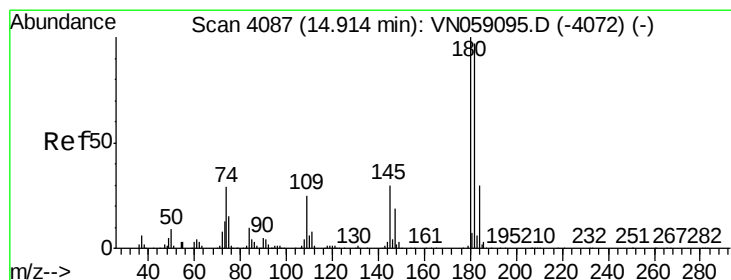
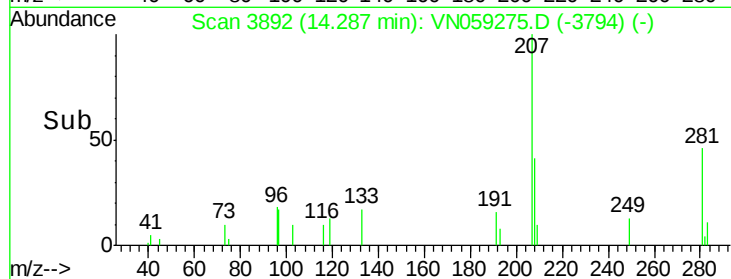
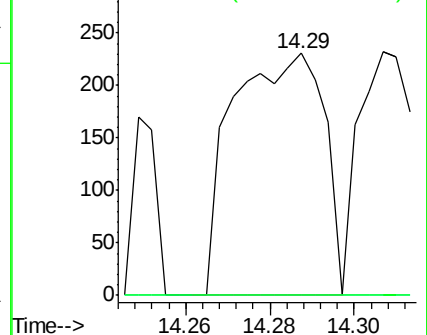
157 0.0 51.8 155.5#



Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-3870) (-)

Ion 154.80 (154.50 to 155.50): VN059095.D (-3870) (-)

Ion 156.80 (156.50 to 157.50): VN059095.D (-3870) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.385 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN059275.D

Acq: 18 Nov 2019 11:53

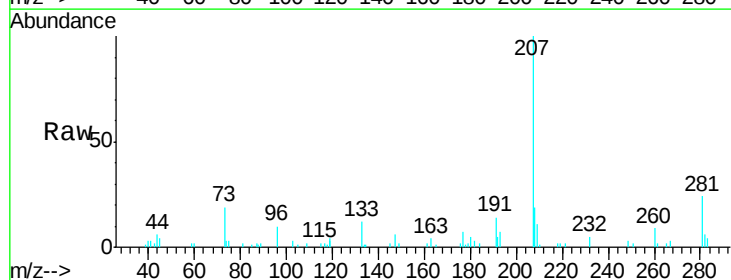
Tgt Ion: 180 Resp: 1283

Ion Ratio Lower Upper

180 100

182 75.8 48.1 144.3

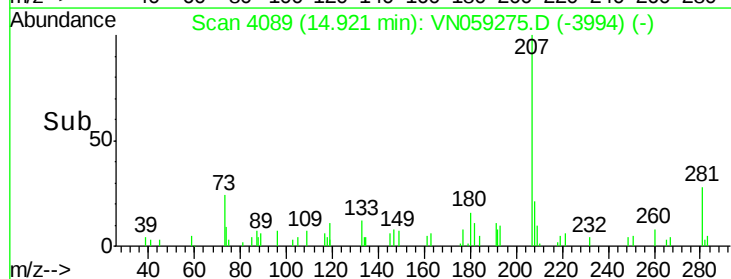
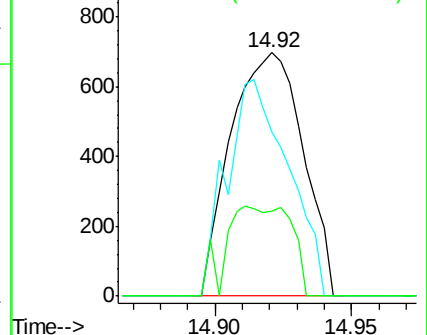
145 33.4 15.1 45.3

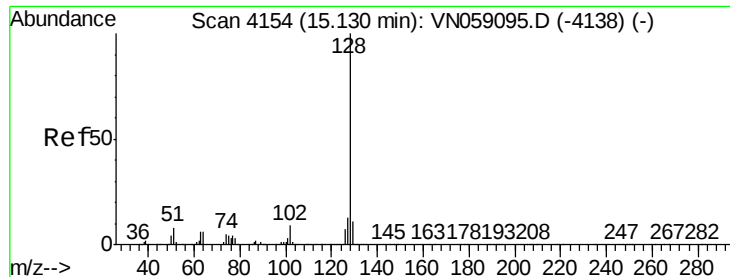


Abundance Ion 179.80 (179.50 to 180.50): VN059095.D (-4072) (-)

Ion 181.80 (181.50 to 182.50): VN059095.D (-4072) (-)

Ion 144.80 (144.50 to 145.50): VN059095.D (-4072) (-)





#95

Naphthalene

Concen: 3.473 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059275.D

Acq: 18 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBL01

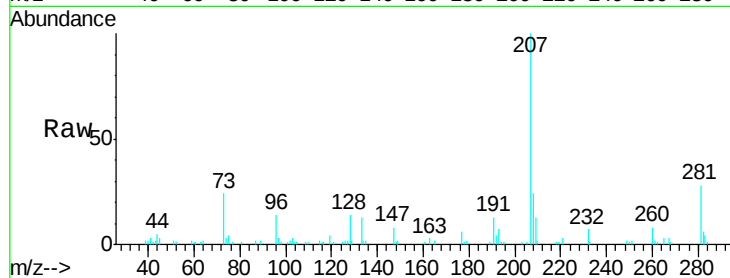
Tgt Ion:128 Resp: 4500

Ion Ratio Lower Upper

128 100

127 8.5 10.2 15.2#

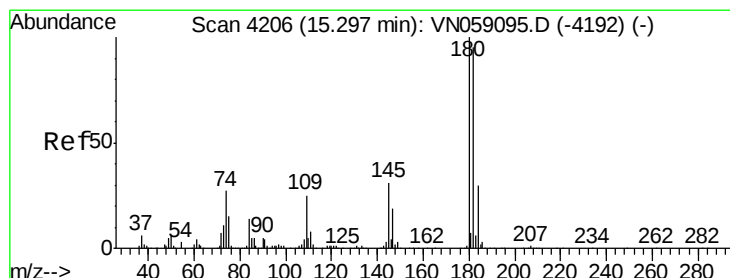
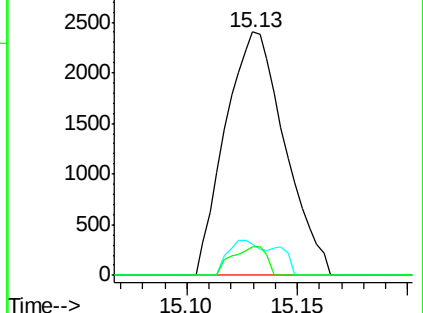
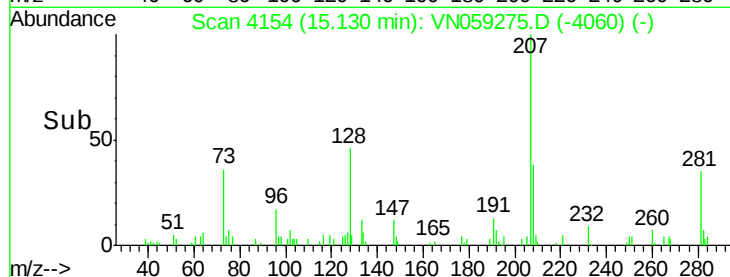
129 6.7 8.6 12.8#



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: 0.487 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059275.D

Acq: 18 Nov 2019 11:53

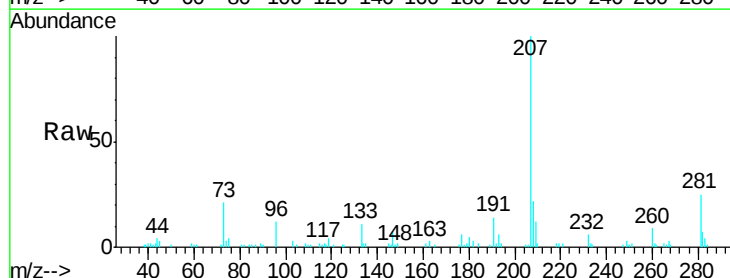
Tgt Ion:180 Resp: 1601

Ion Ratio Lower Upper

180 100

182 80.9 47.3 141.8

145 53.0 15.8 47.3#



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

