

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
 Data File : VN059100.D
 Acq On : 6 Nov 2019 12:29
 Operator : JC/SP
 Sample : VN1106WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 04:04:23 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	463590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	723498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	627504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	225638	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	288930	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
35) Dibromofluoromethane	7.57	113	225447	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
50) Toluene-d8	10.08	98	874356	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.40	95	279443	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	

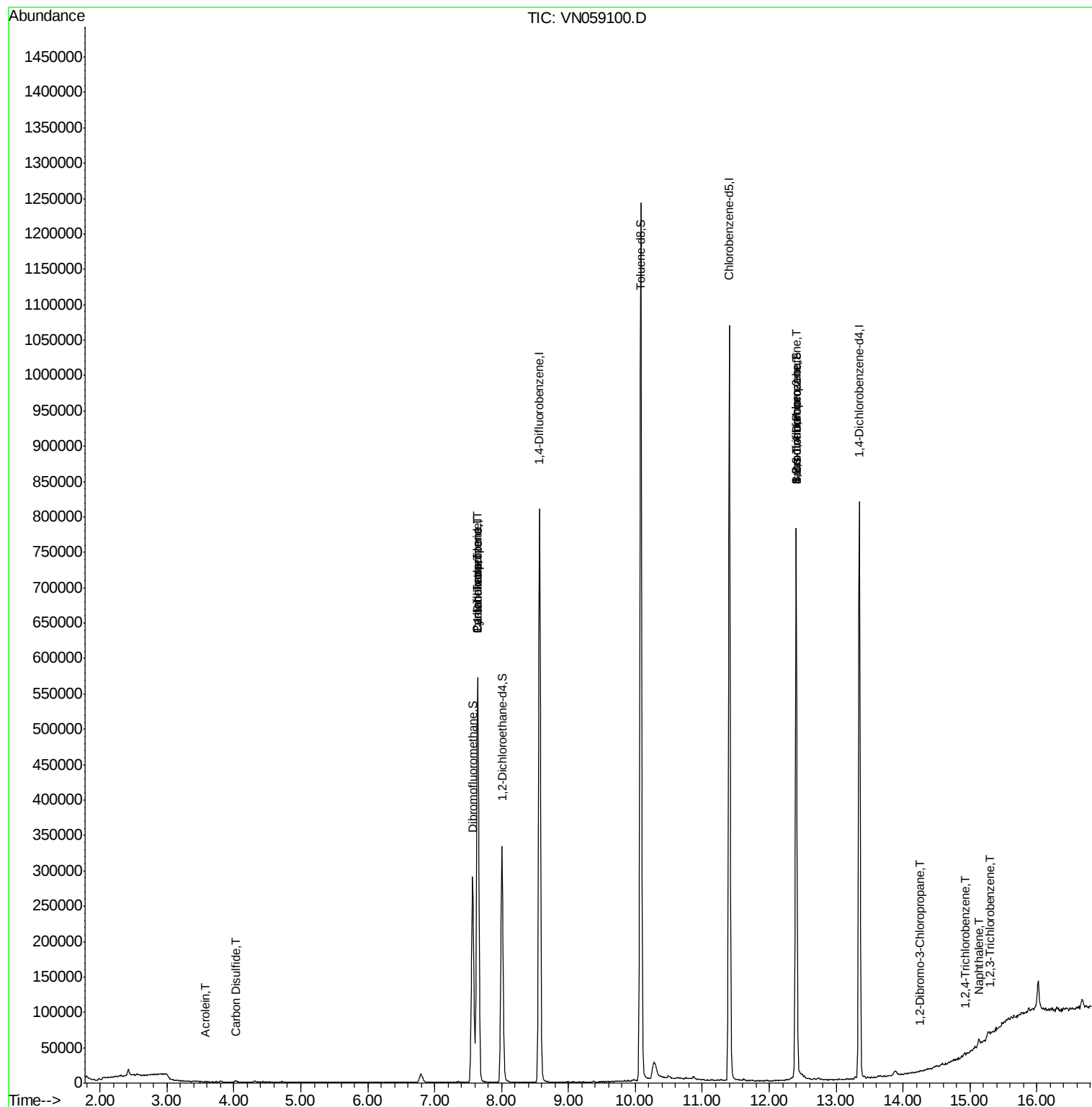
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.58	56	241	0.430	ug/l #	66
17) Carbon Disulfide	4.03	76	3664	0.273	ug/l #	87
31) Cyclohexane	7.64	56	9018	1.016	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	35785	5.292	ug/l #	50
38) Carbon Tetrachloride	7.64	117	45671	6.785	ug/l #	17
71) Bromoform	12.40	173	1636	0.458	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	137275	26.723	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	137275	70.582	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.25	75	289	0.285	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	1254	3.326	ug/l	93
95) Naphthalene	15.13	128	4537	3.409	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.30	180	1541	0.396	ug/l	76

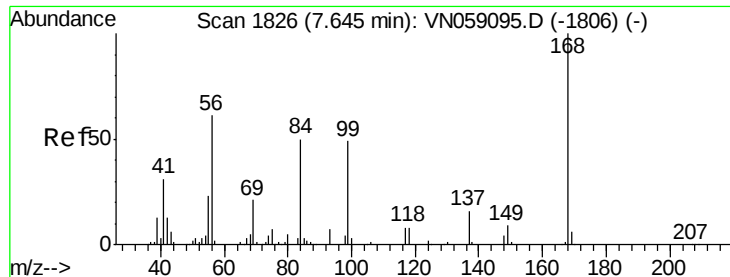
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 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: VN059100.D

Acq: 6 Nov 2019 12:29

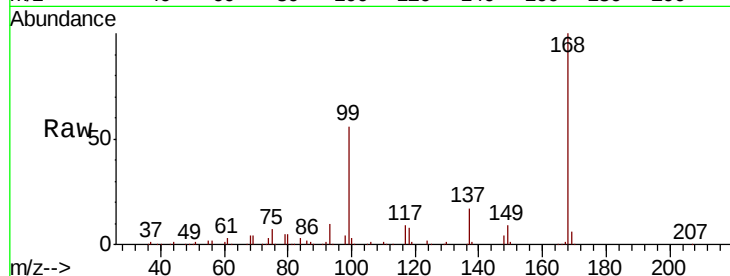
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 463590

Ion Ratio Lower Upper

168 100

99 56.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

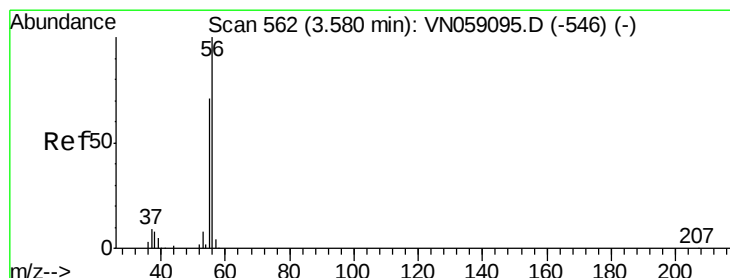
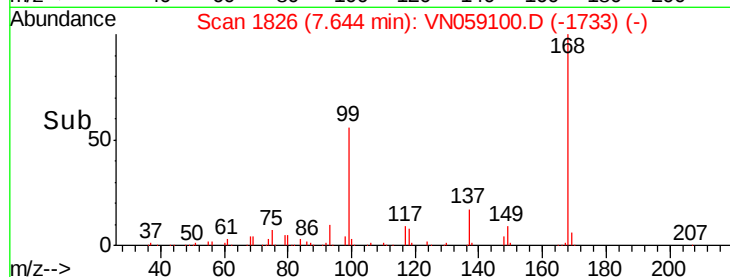
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#13

Acrolein

Concen: 0.430 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059100.D

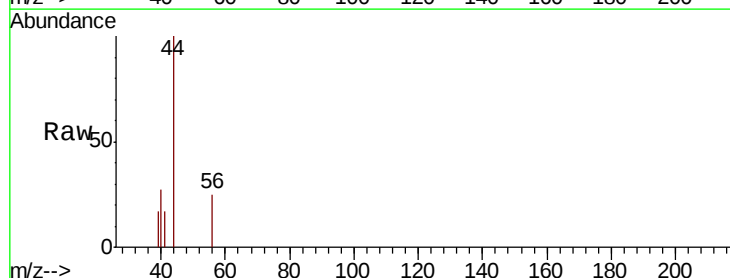
Acq: 6 Nov 2019 12:29

Tgt Ion: 56 Resp: 241

Ion Ratio Lower Upper

56 100

55 42.7 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

300

250

200

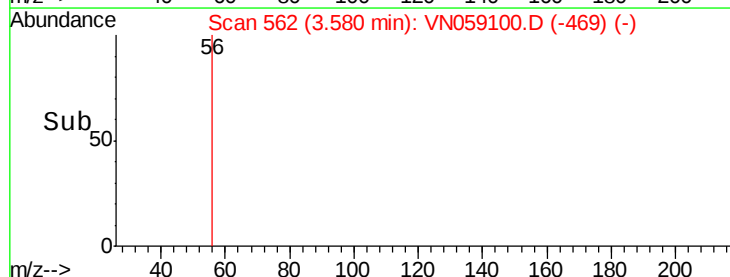
150

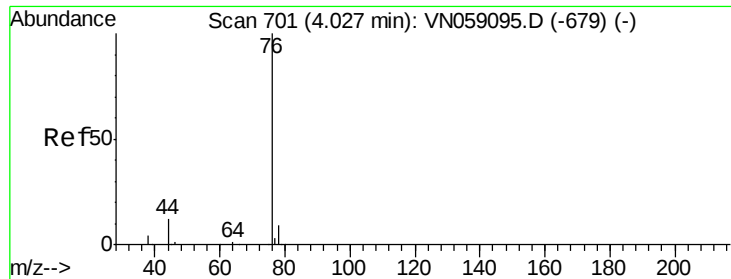
100

50

0

Time--> 3.56 3.57 3.58 3.59

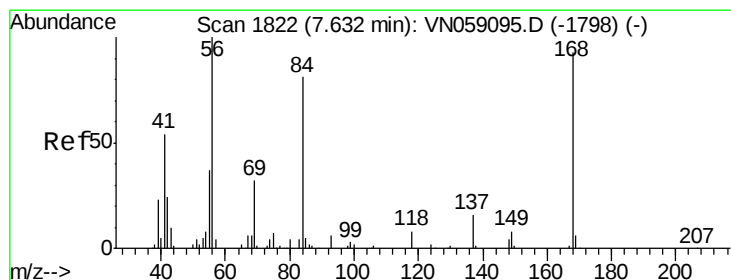
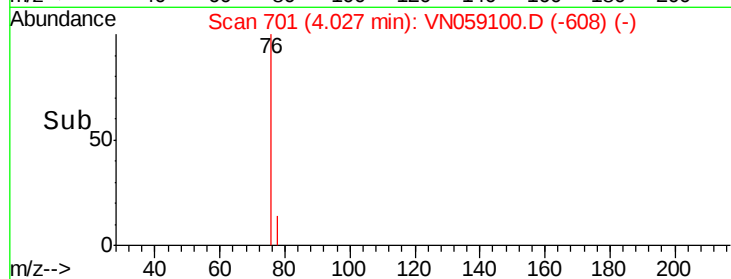
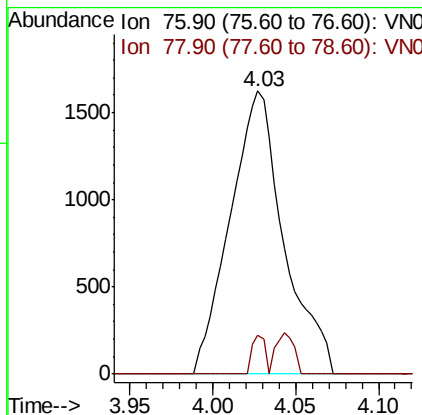
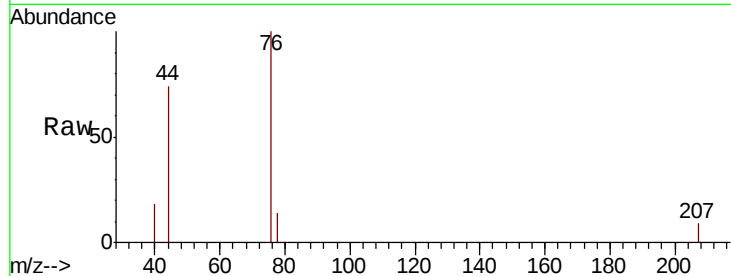




#17
Carbon Disulfide
Concen: 0.273 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059100.D
Acq: 6 Nov 2019 12:29

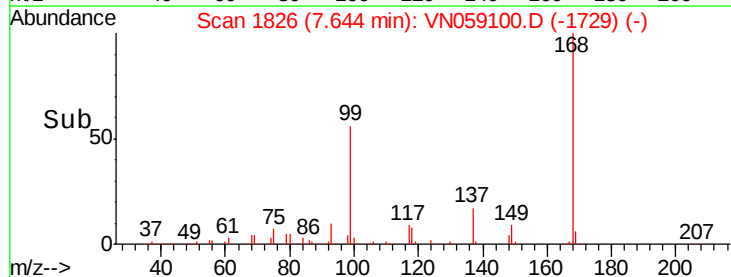
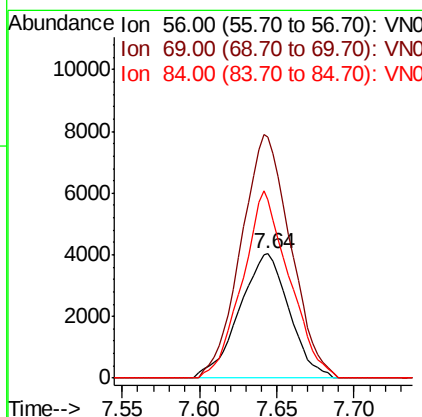
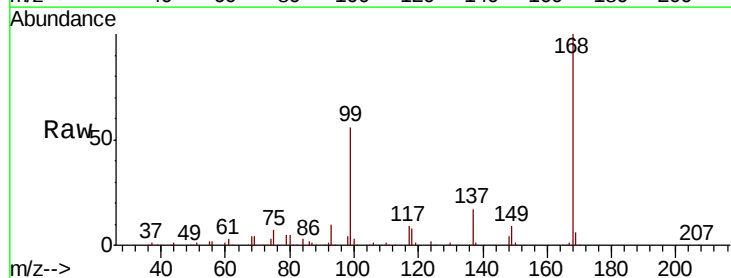
Instrument :
MSVOA_N
ClientSampleId :

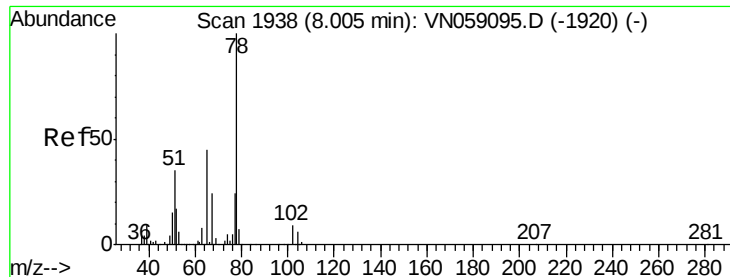
Tot Ion: 76 Resp: 3664
Ion Ratio Lower Upper
76 100
78 13.8 7.4 11.0#



#31
Cyclohexane
Concen: 1.016 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059100.D
Acq: 6 Nov 2019 12:29

Tgt Ion: 56 Resp: 9018
Ion Ratio Lower Upper
56 100
69 193.7 25.8 38.8#
84 143.1 65.0 97.4#





#33

1,2-Dichloroethane-d4

Concen: 50.701 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

Instrument :

MSVOA_N

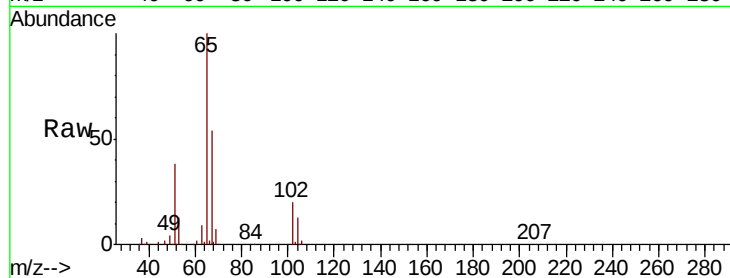
ClientSampled :

Tot Ion: 65 Resp: 288930

Ion Ratio Lower Upper

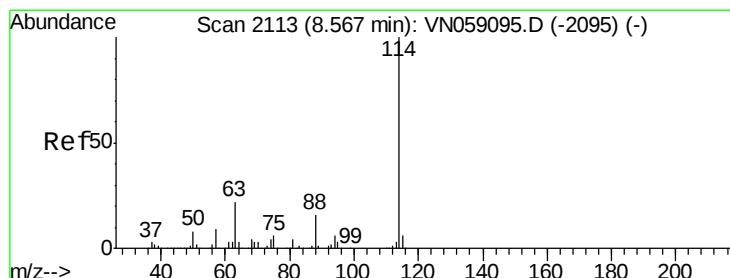
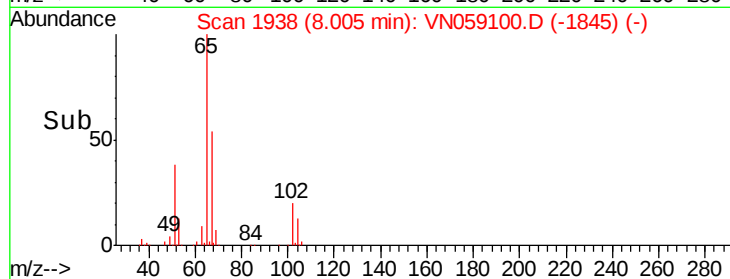
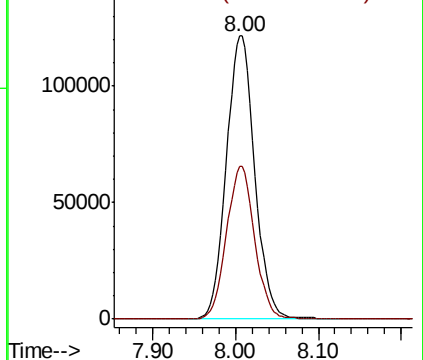
65 100

67 53.7 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059100.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059100.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

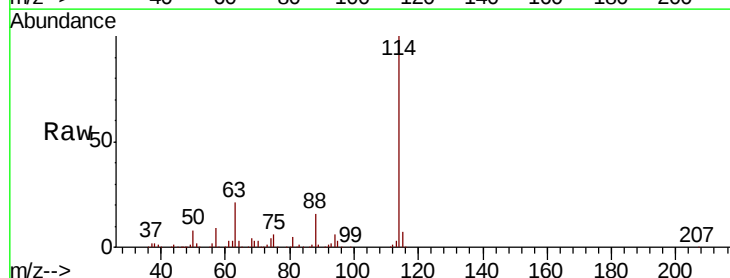
Tgt Ion: 114 Resp: 723498

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.4

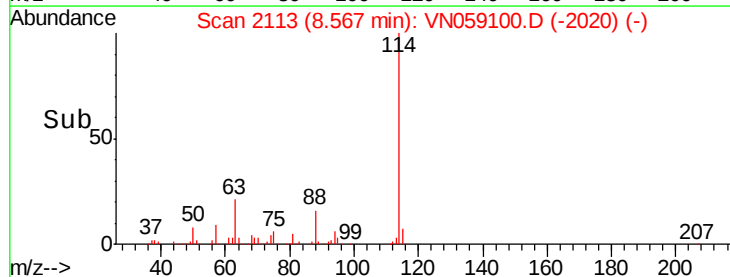
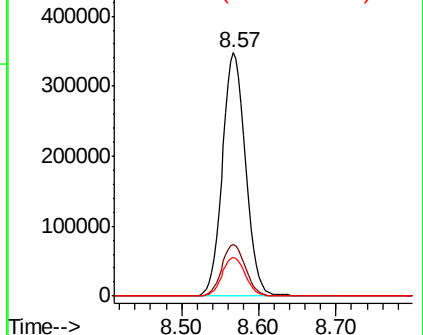
88 16.0 0.0 32.2

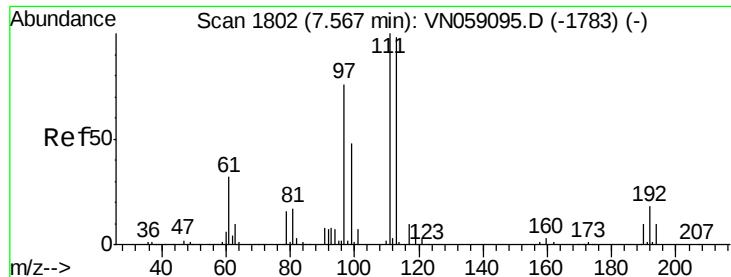


Abundance Ion 113.90 (113.60 to 114.60): VN059100.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059100.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059100.D (-2020) (-)

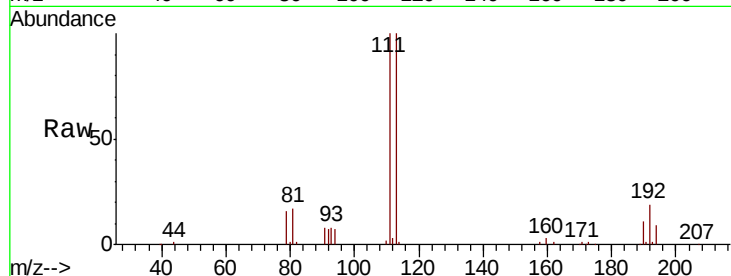




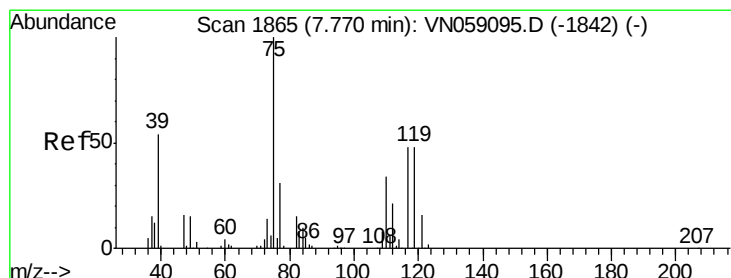
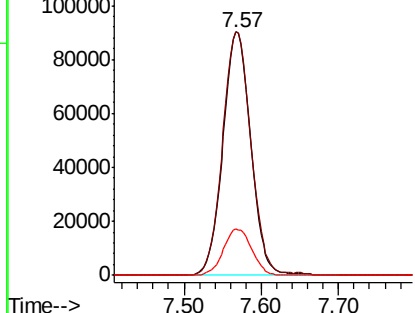
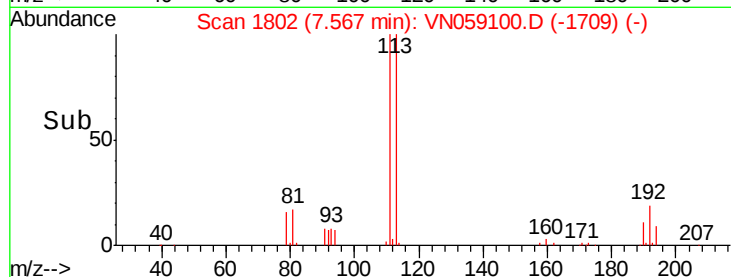
#35
 Dibromofluoromethane
 Concen: 52.187 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059100.D
 Acq: 6 Nov 2019 12:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.8	124.2
192	19.4	16.1	24.1

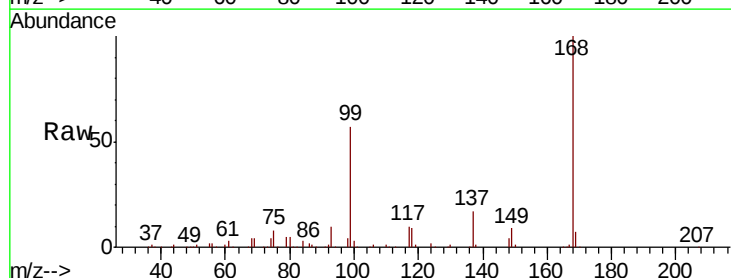


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

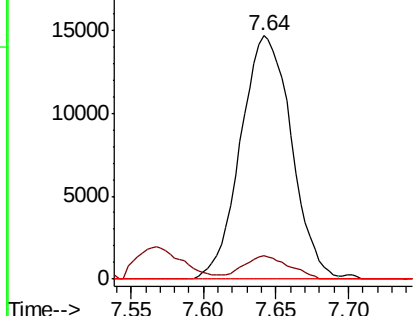
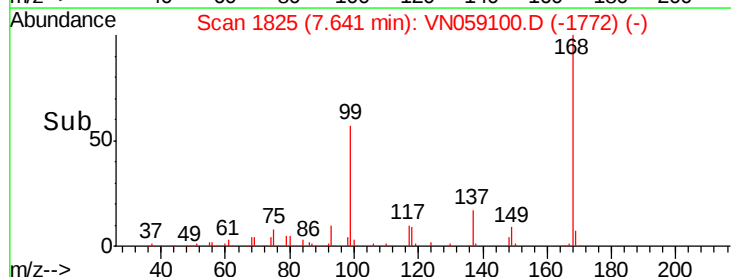


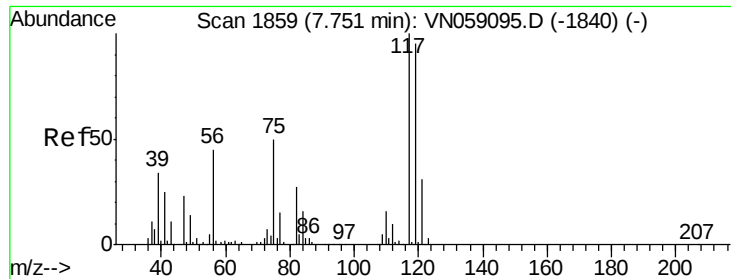
#36
 1,1-Dichloropropene
 Concen: 5.292 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059100.D
 Acq: 6 Nov 2019 12:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.1	51.2#
77	0.0	24.8	37.2#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.785 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

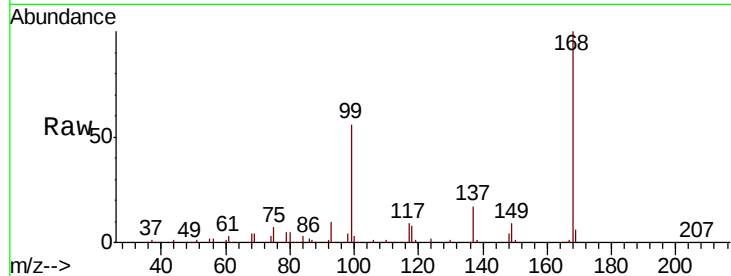
Tot Ion:117 Resp: 45671

Ion Ratio Lower Upper

117 100

119 5.4 75.6 113.4#

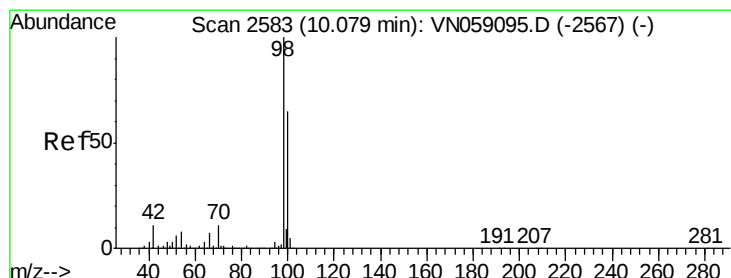
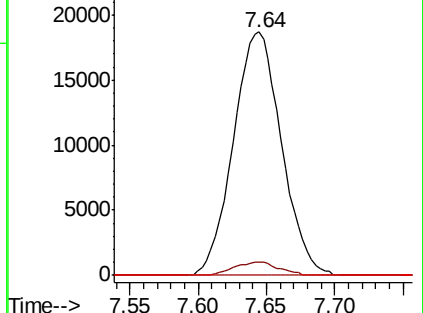
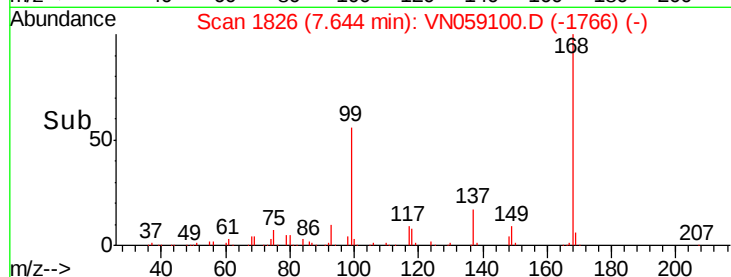
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 51.384 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059100.D

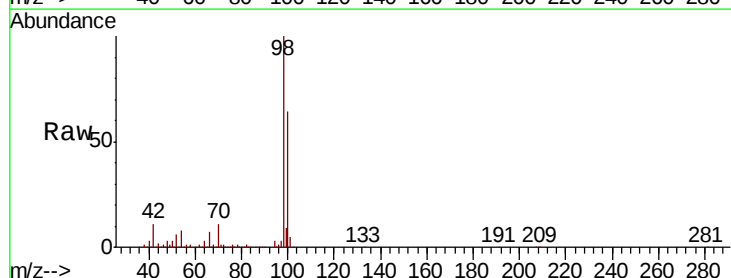
Acq: 6 Nov 2019 12:29

Tgt Ion: 98 Resp: 874356

Ion Ratio Lower Upper

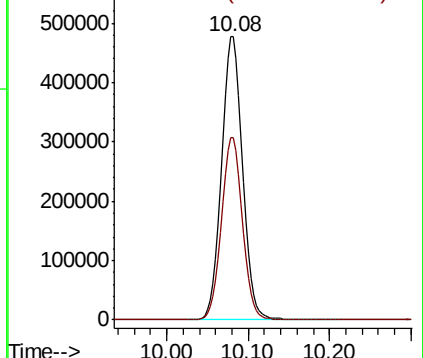
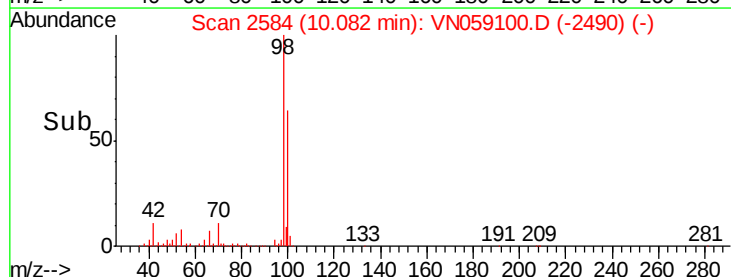
98 100

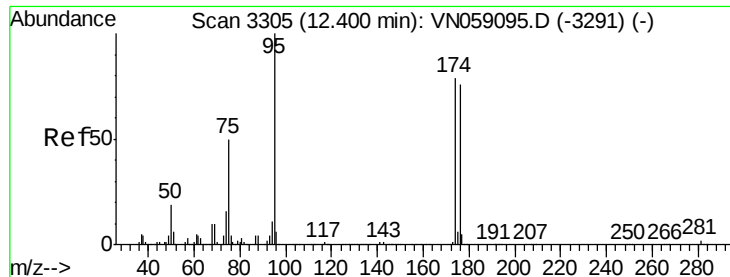
100 64.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.546 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

Instrument :

MSVOA_N

ClientSampled :

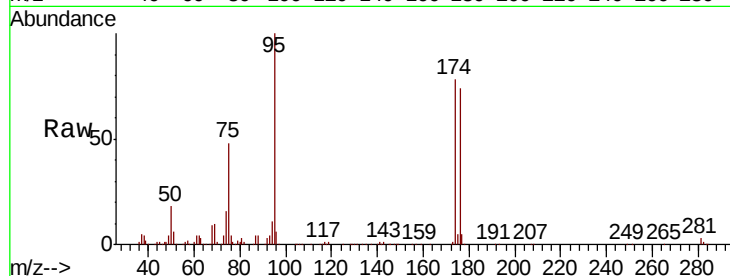
Tot Ion: 95 Resp: 279443

Ion Ratio Lower Upper

95 100

174 77.5 0.0 158.2

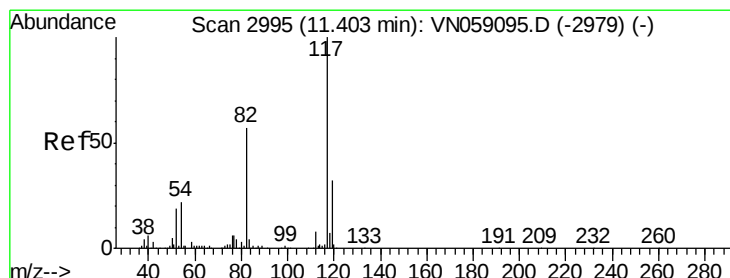
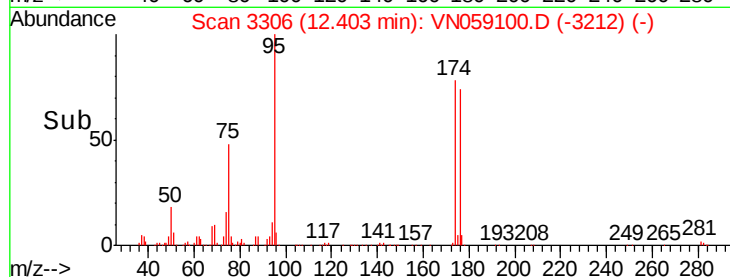
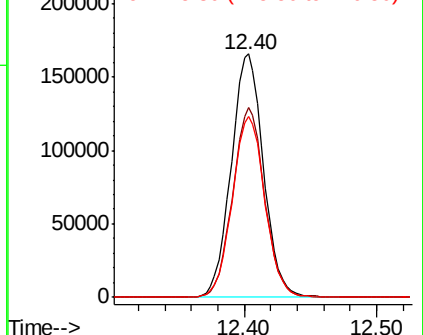
176 75.3 0.0 151.8



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: VN059100.D

Acq: 6 Nov 2019 12:29

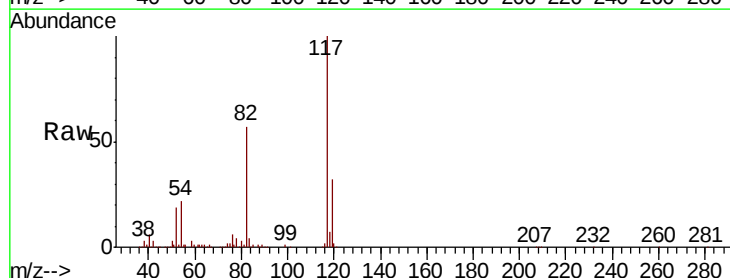
Tgt Ion: 117 Resp: 627504

Ion Ratio Lower Upper

117 100

82 57.4 45.8 68.8

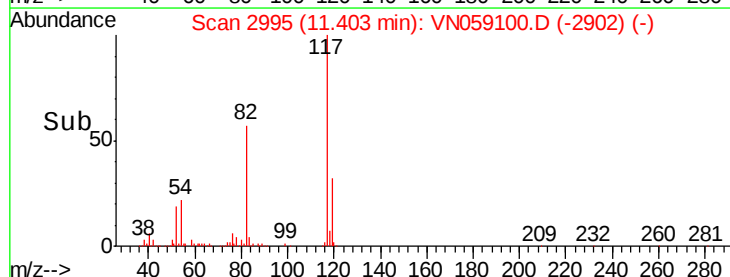
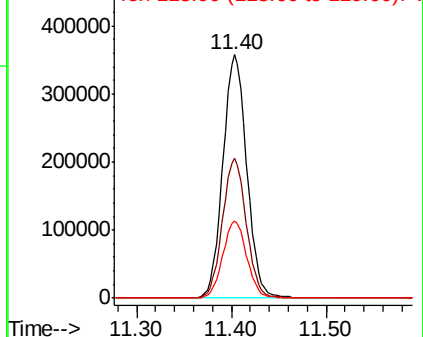
119 31.7 25.8 38.6

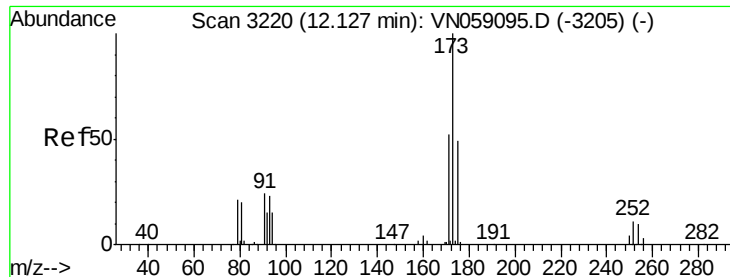


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

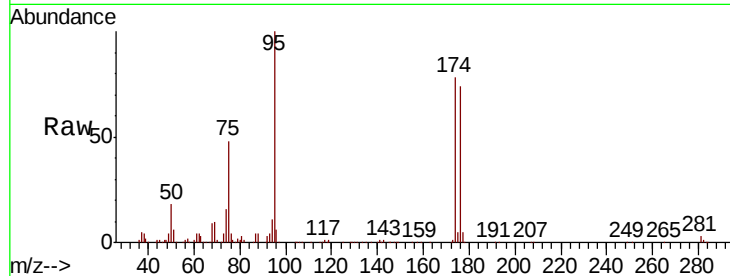




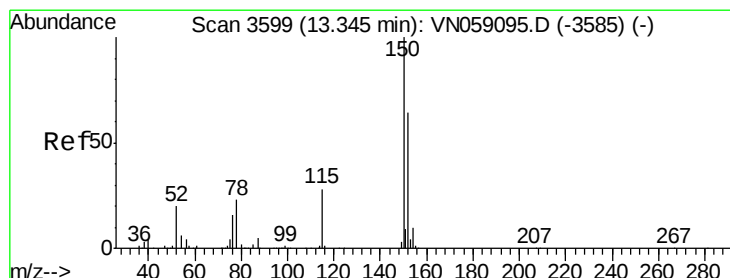
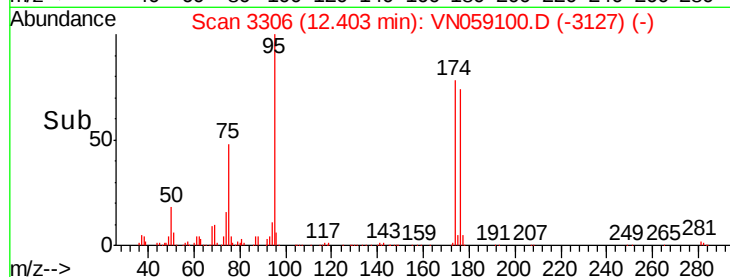
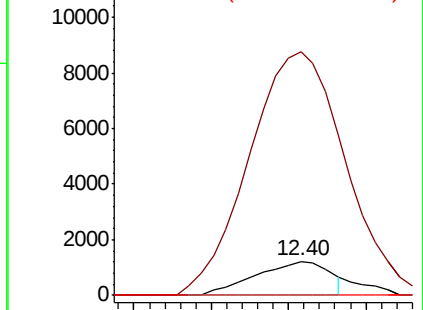
#71
Bromoform
Concen: 0.458 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN059100.D
Acq: 6 Nov 2019 12:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 1636
Ion Ratio Lower Upper
173 100
175 792.2 24.2 72.6#
254 0.0 0.1 0.1#

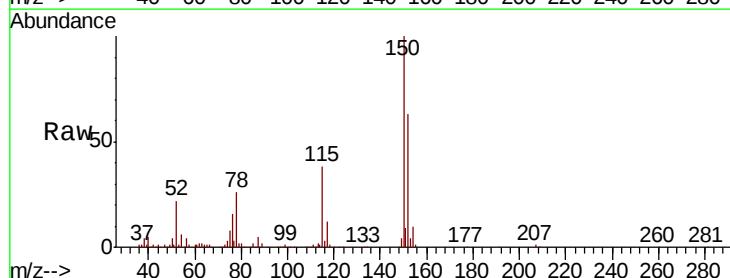


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

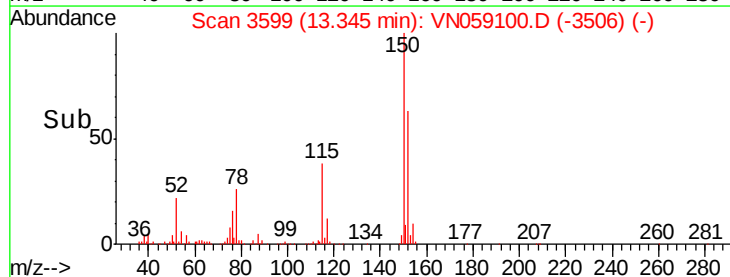
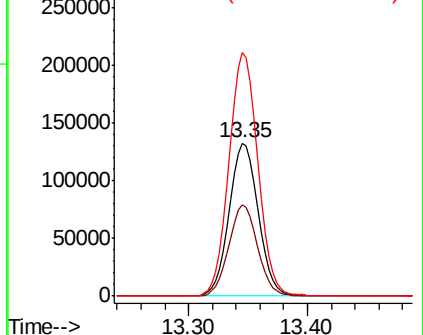


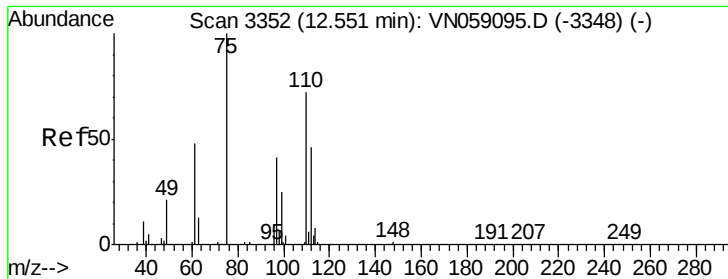
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059100.D
Acq: 6 Nov 2019 12:29

Tgt Ion:152 Resp: 225638
Ion Ratio Lower Upper
152 100
115 58.9 29.4 88.2
150 157.8 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: 26.723 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

Instrument :

MSVOA_N

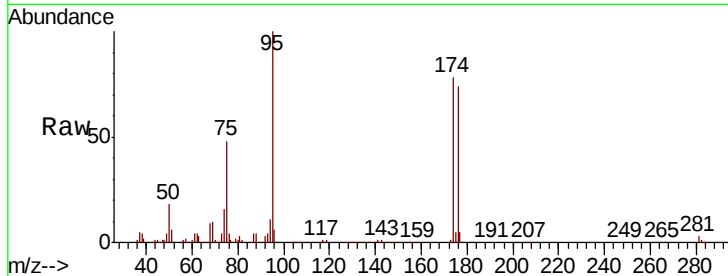
ClientSampled :

Tot Ion: 75 Resp: 137275

Ion Ratio Lower Upper

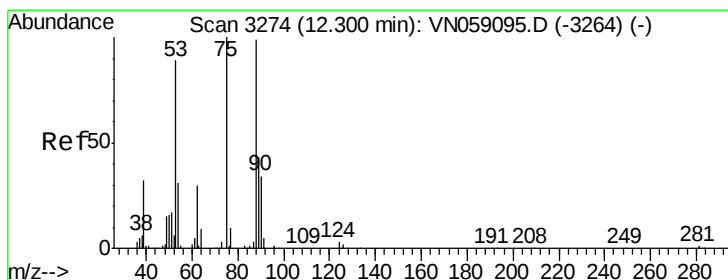
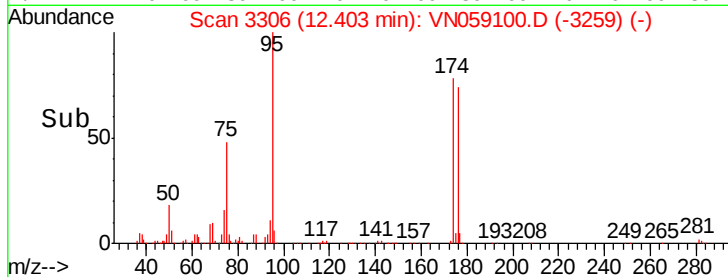
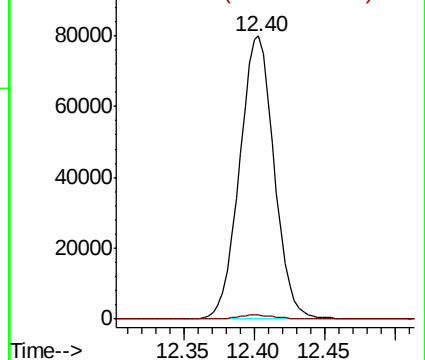
75 100

77 1.7 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: 70.582 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

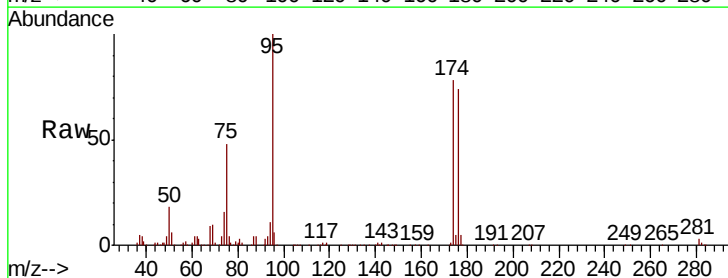
Tgt Ion: 75 Resp: 137275

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

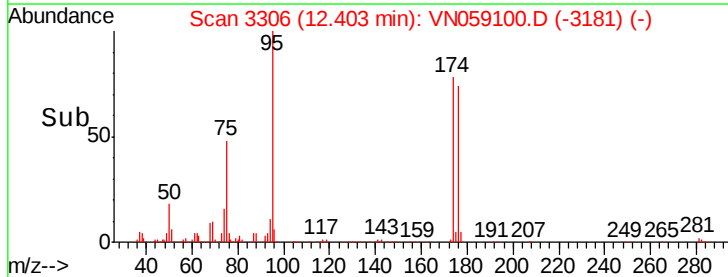
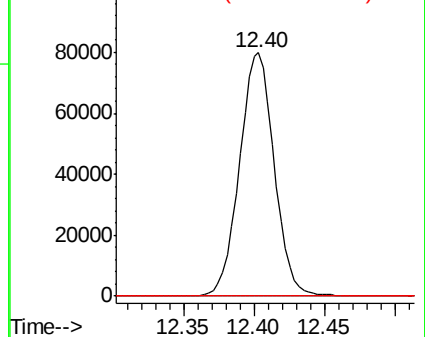
89 0.0 35.8 53.8#

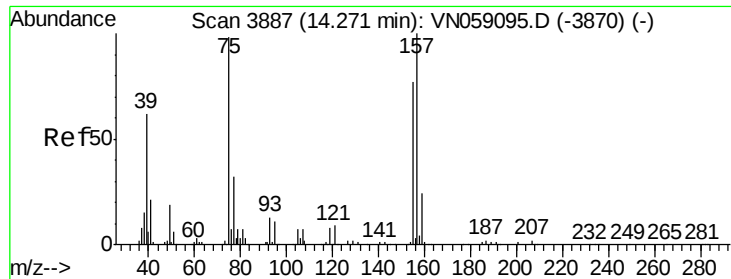


Abundance Ion 74.90 (74.60 to 75.60): VN0

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: 0.285 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

Instrument :

MSVOA_N

ClientSampled :

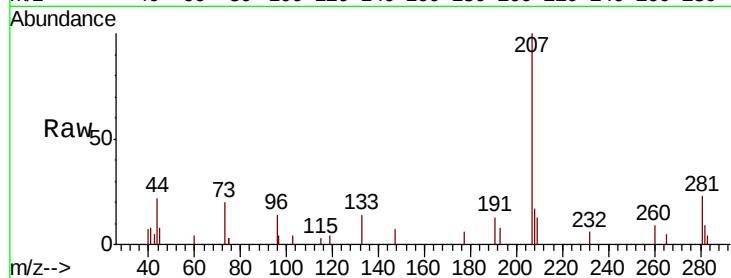
Tot Ion: 75 Resp: 289

Ion Ratio Lower Upper

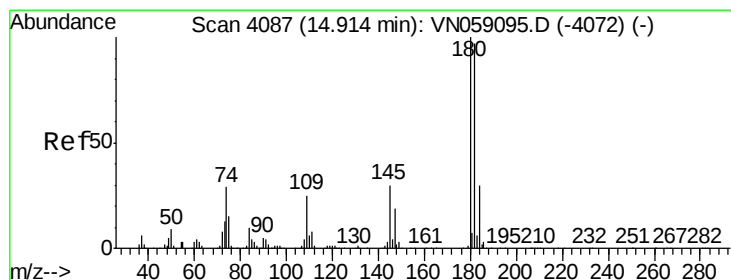
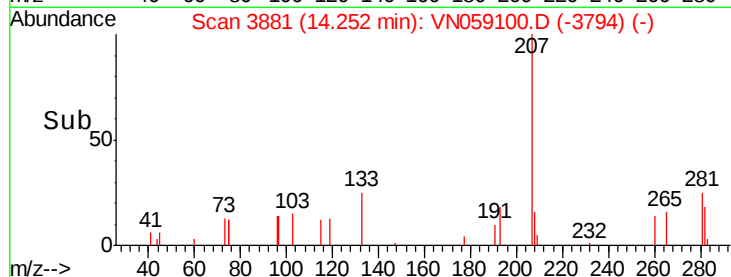
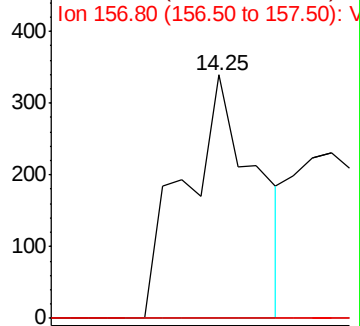
75 100

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) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.326 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

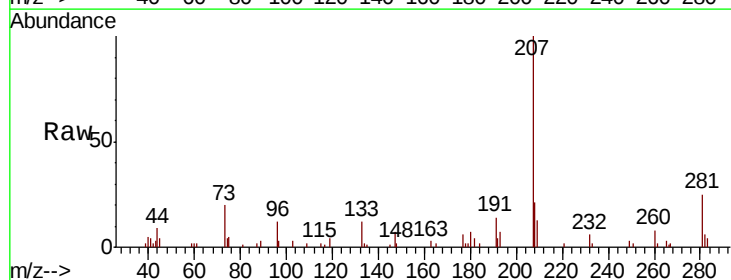
Tgt Ion: 180 Resp: 1254

Ion Ratio Lower Upper

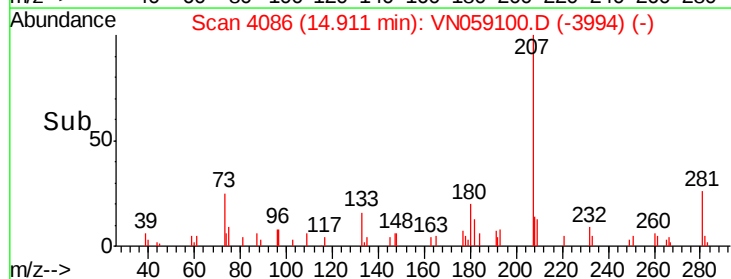
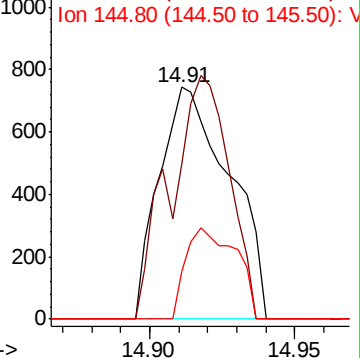
180 100

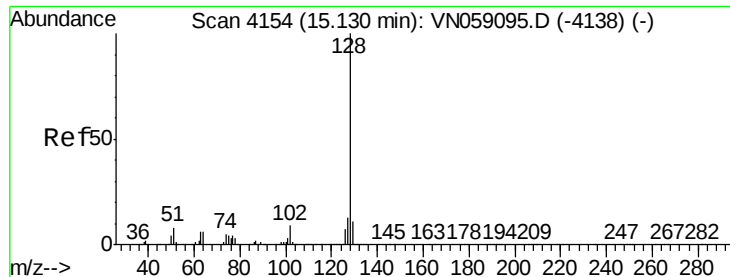
182 88.6 48.1 144.3

145 28.0 15.1 45.3



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





#95

Naphthalene

Concen: 3.409 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

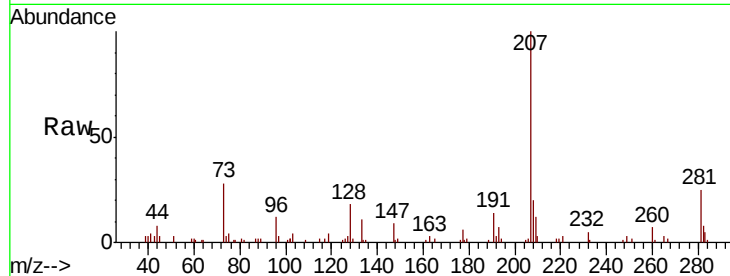
Tot Ion:128 Resp: 4537

Ion Ratio Lower Upper

128 100

127 9.7 10.2 15.2#

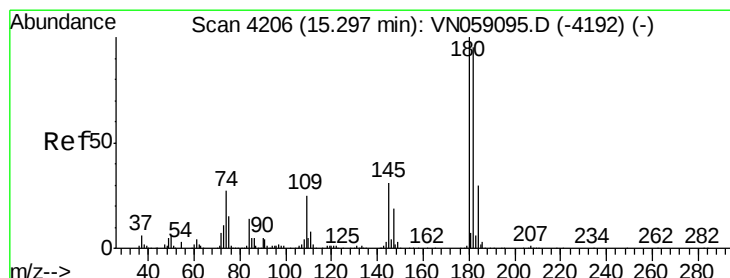
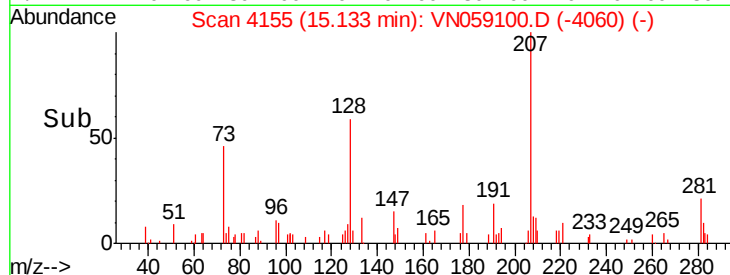
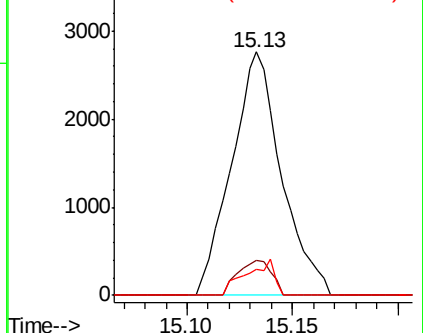
129 8.4 8.6 12.8#



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: 0.396 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059100.D

Acq: 6 Nov 2019 12:29

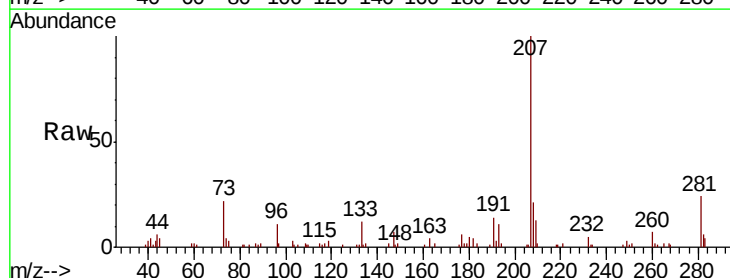
Tgt Ion:180 Resp: 1541

Ion Ratio Lower Upper

180 100

182 72.5 47.3 141.8

145 46.8 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

