

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059148.D
 Acq On : 11 Nov 2019 10:28
 Operator : JC/SP
 Sample : K5769-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 00:39:30 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	494857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	769095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	648347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	228539	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	318496	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
35) Dibromofluoromethane	7.57	113	238486	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
50) Toluene-d8	10.08	98	945166	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.40	95	294958	45.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.46%	

Target Compounds

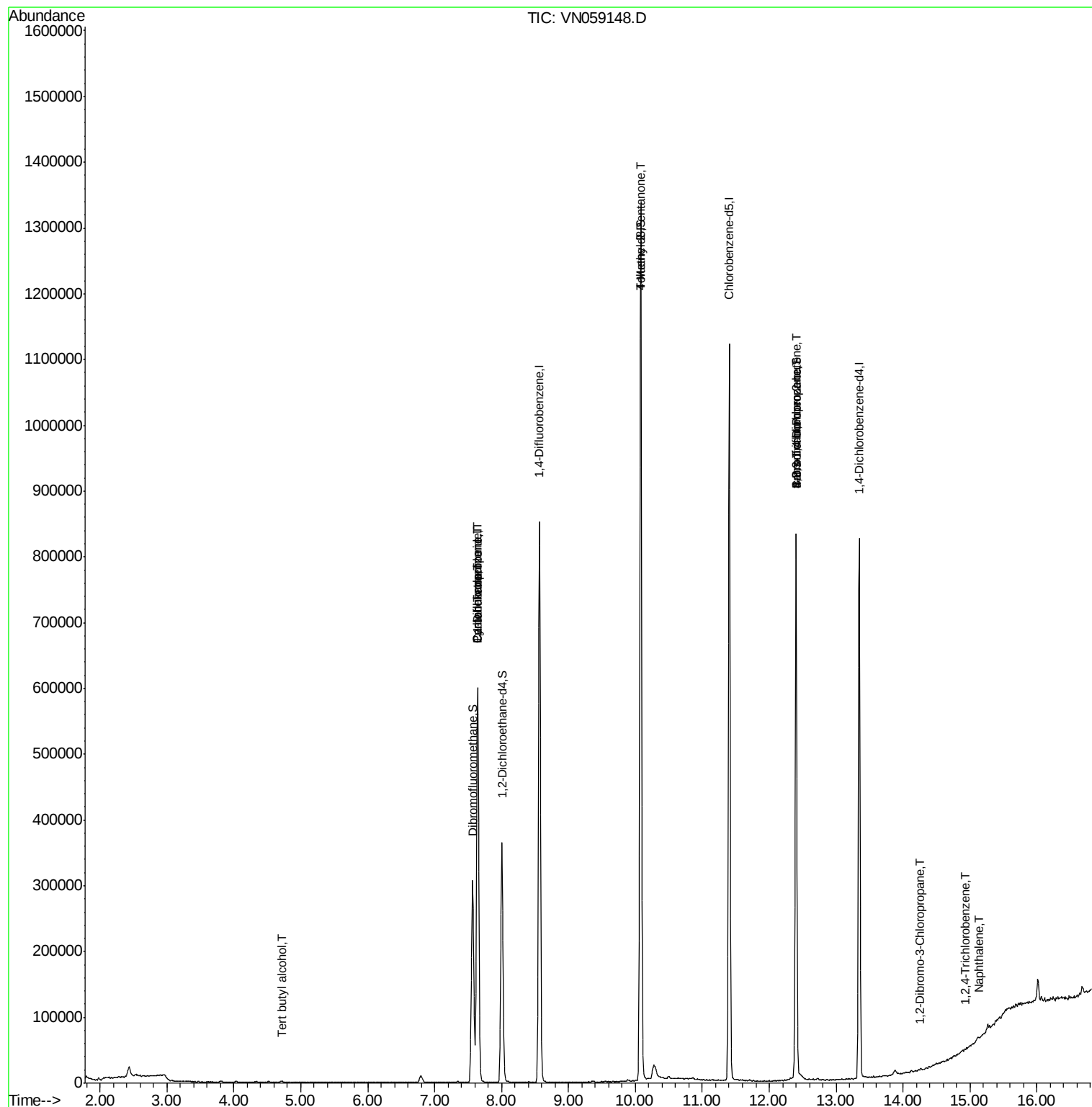
					Qvalue	
11) Tert butyl alcohol	4.72	59	322	0.278	ug/l #	72
31) Cyclohexane	7.64	56	10137	1.070	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	38298	5.327	ug/l #	49
38) Carbon Tetrachloride	7.64	117	47030	6.573	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	3930	0.545	ug/l #	1
71) Bromoform	12.40	173	1399	0.379	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	147456	28.340	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	147456	74.854	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.27	75	457	0.431	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.92	180	287	3.109	ug/l	61
95) Naphthalene	15.13	128	964	3.121	ug/l #	70

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

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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: VN059148.D

Acq: 11 Nov 2019 10:28

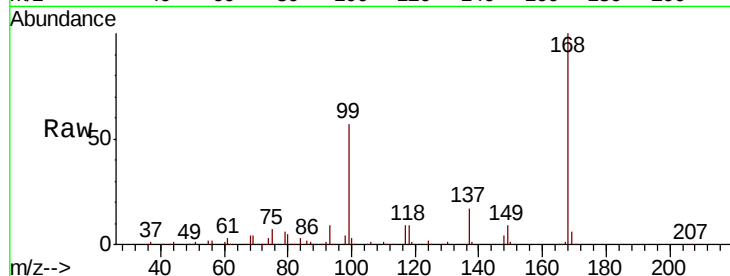
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 494857

Ion Ratio Lower Upper

168 100

99 57.3 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

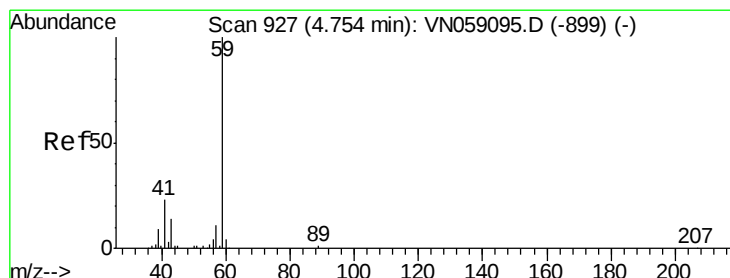
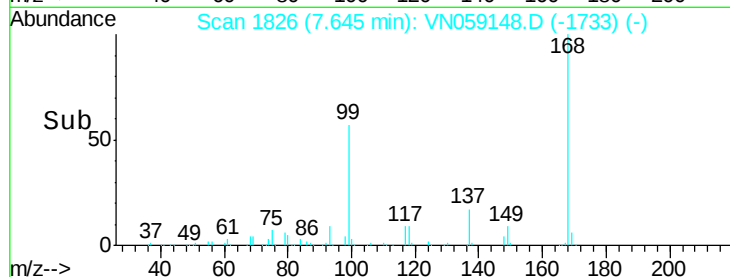
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.278 ug/l

RT: 4.72 min Scan# 917

Delta R.T. -0.03 min

Lab File: VN059148.D

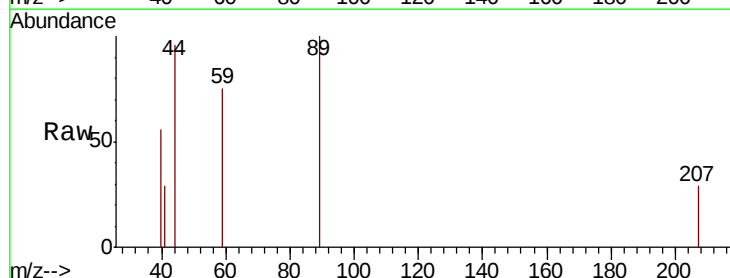
Acq: 11 Nov 2019 10:28

Tgt Ion: 59 Resp: 322

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.72

500

400

300

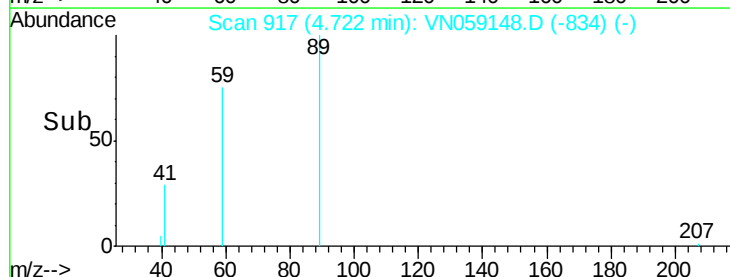
200

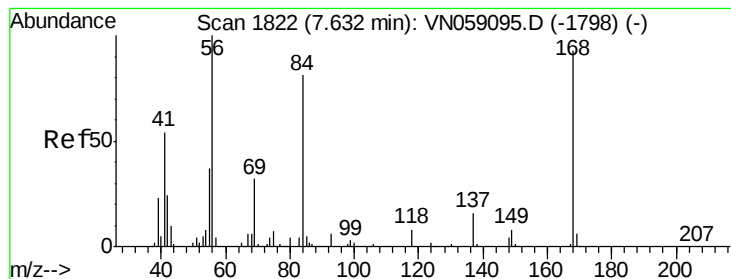
100

0

4.69 4.70 4.71 4.72 4.73

Time-->





#31

Cyclohexane

Concen: 1.070 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059148.D

Acq: 11 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampled :

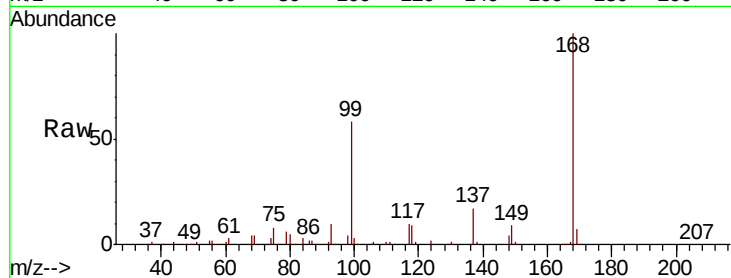
Tot Ion: 56 Resp: 10137

Ion Ratio Lower Upper

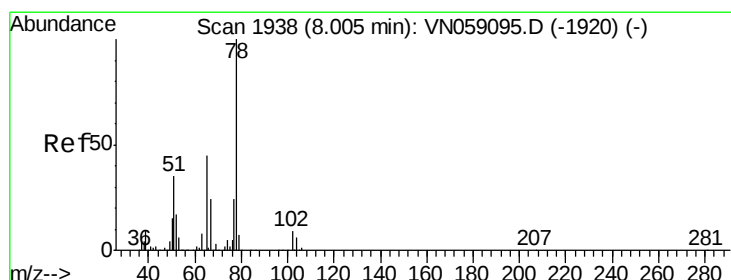
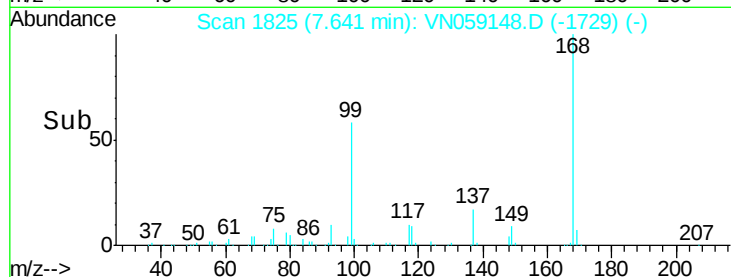
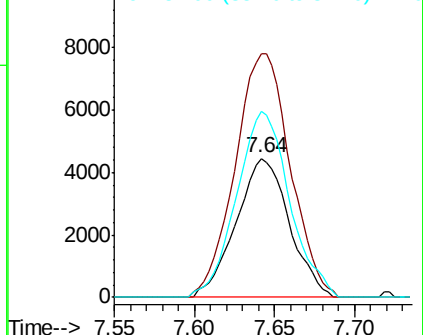
56 100

69 175.1 25.8 38.8#

84 133.8 65.0 97.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.358 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059148.D

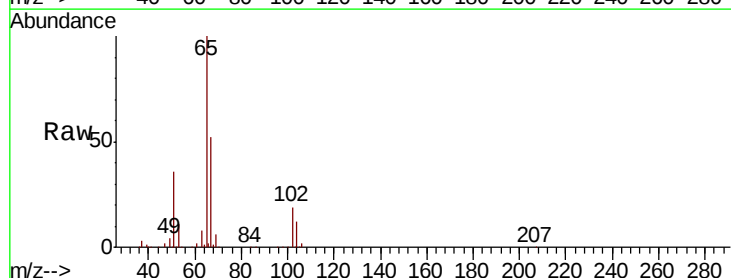
Acq: 11 Nov 2019 10:28

Tgt Ion: 65 Resp: 318496

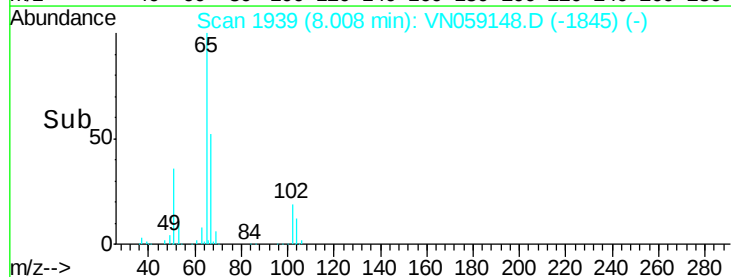
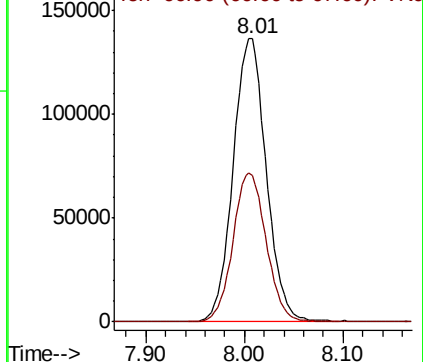
Ion Ratio Lower Upper

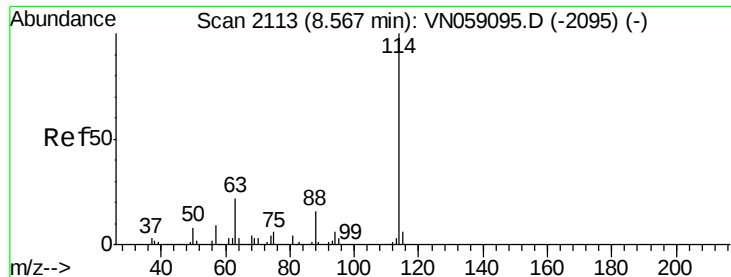
65 100

67 52.5 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

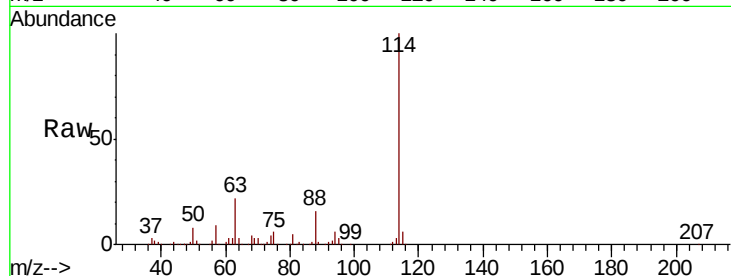




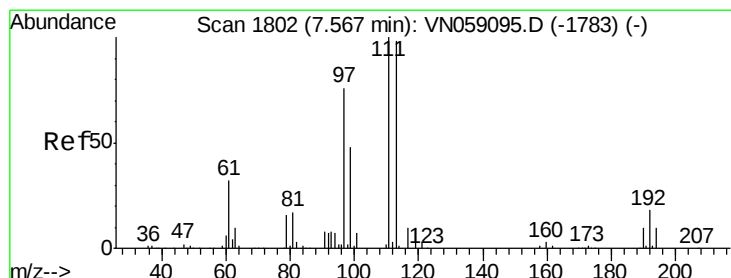
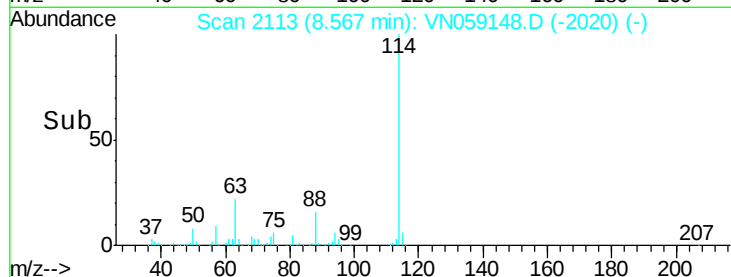
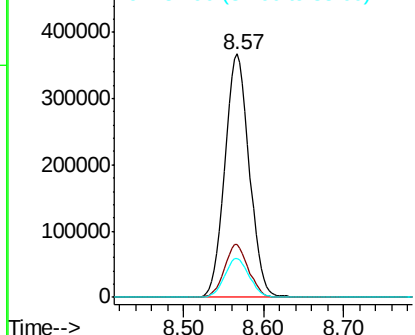
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059148.D
 Acq: 11 Nov 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.4
88	16.0	0.0	32.2

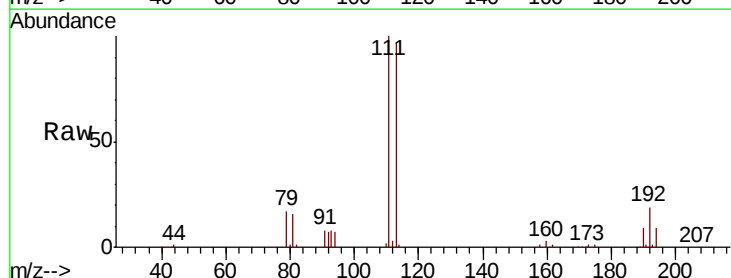


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

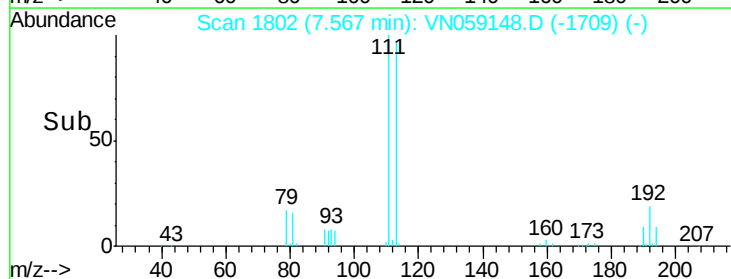
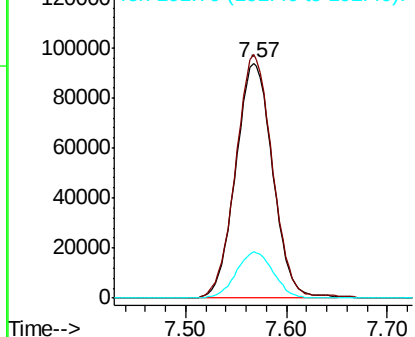


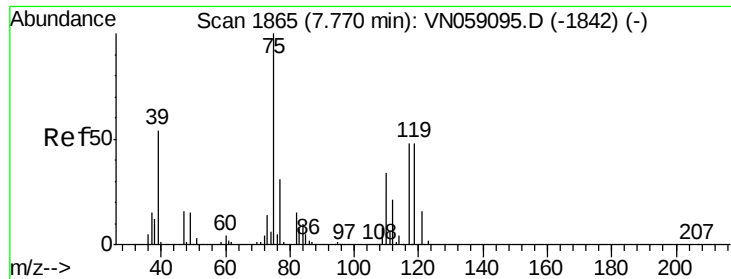
#35
 Dibromofluoromethane
 Concen: 51.932 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059148.D
 Acq: 11 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.8	124.2
192	19.8	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

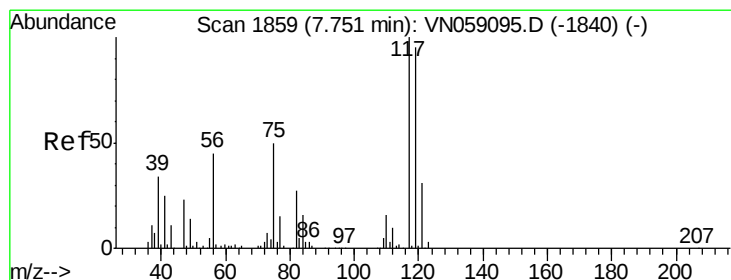
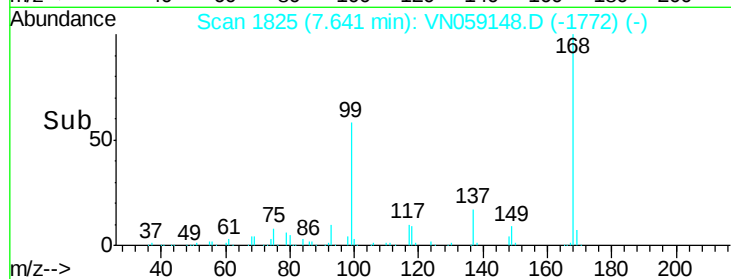
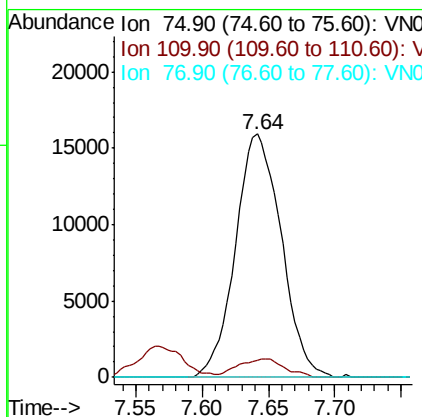
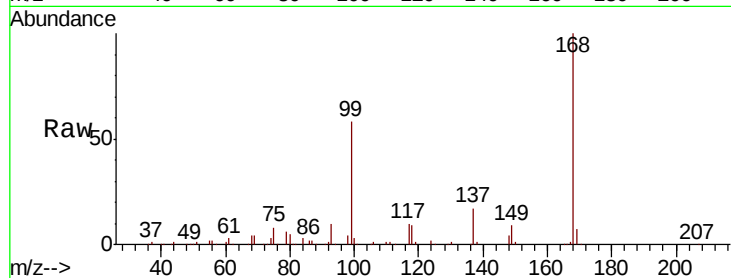




#36
 1,1-Dichloropropene
 Concen: 5.327 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059148.D
 Acq: 11 Nov 2019 10:28

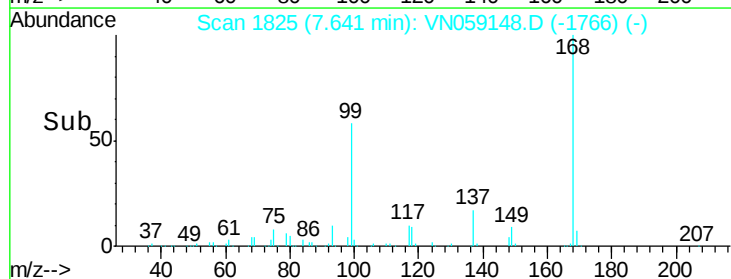
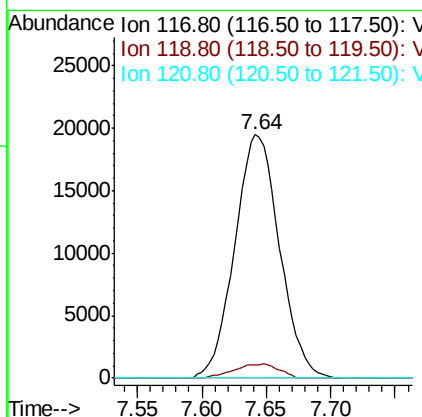
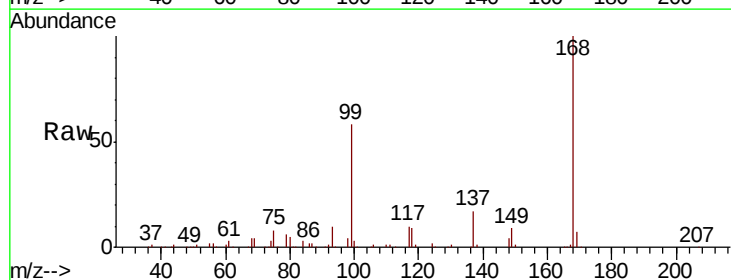
Instrument :
 MSVOA_N
 ClientSampleId :

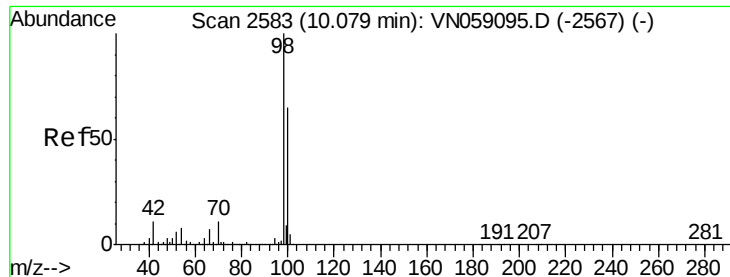
Tot Ion	75	Resp	38298
Ion Ratio	Lower	Upper	
75	100		
110	7.6	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.573 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059148.D
 Acq: 11 Nov 2019 10:28

Tgt Ion	117	Resp	47030
Ion Ratio	Lower	Upper	
117	100		
119	5.5	75.6	113.4#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 52.252 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059148.D

Acq: 11 Nov 2019 10:28

Instrument :

MSVOA_N

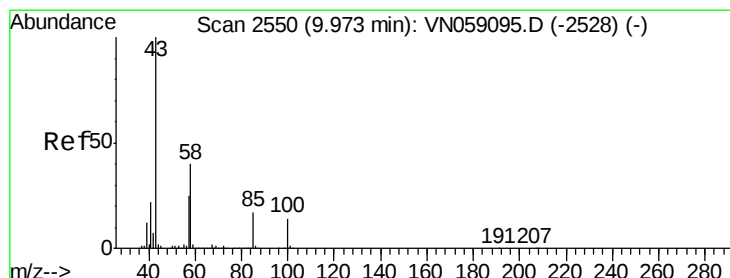
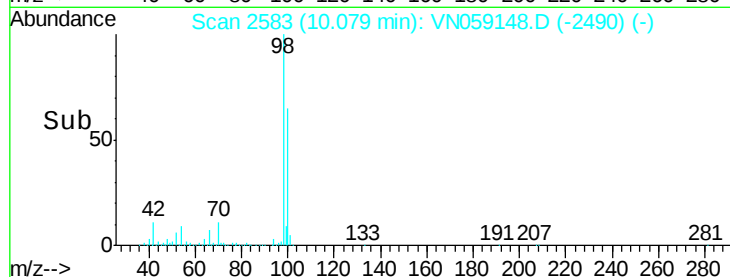
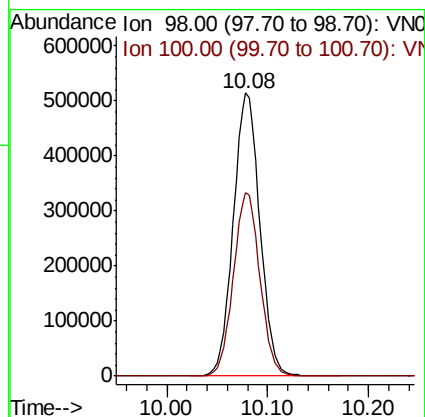
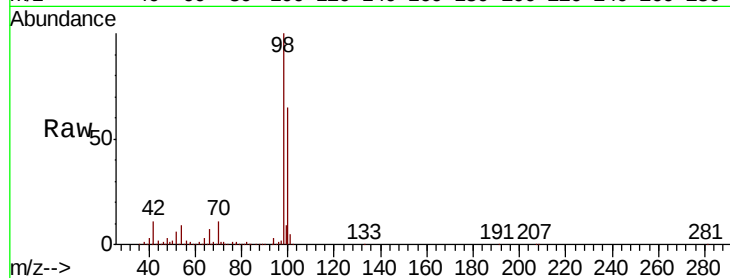
ClientSampleId :

Tot Ion: 98 Resp: 945166

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.545 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.11 min

Lab File: VN059148.D

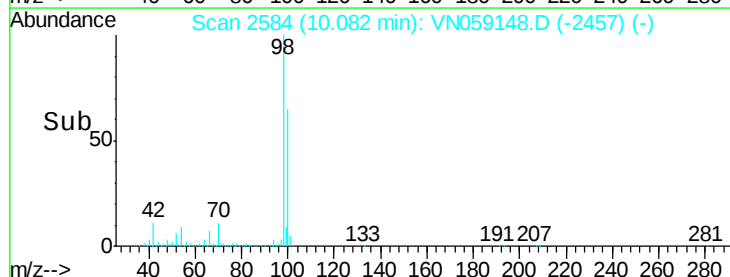
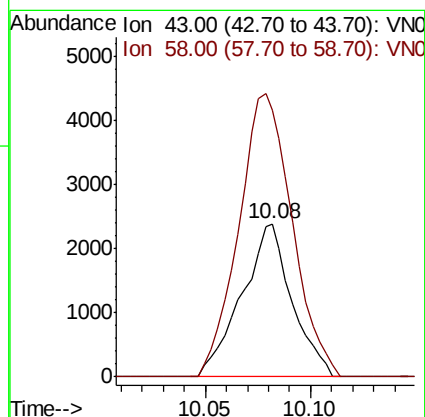
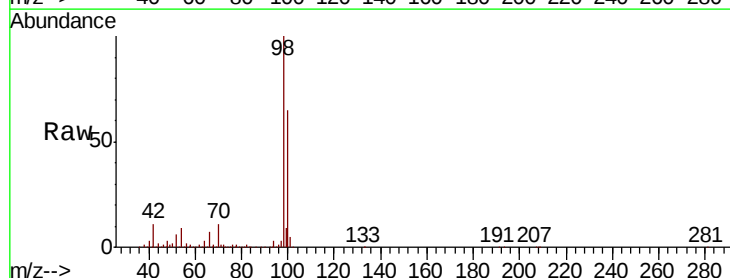
Acq: 11 Nov 2019 10:28

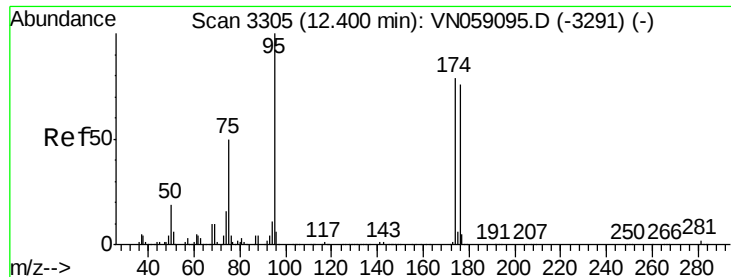
Tgt Ion: 43 Resp: 3930

Ion Ratio Lower Upper

43 100

58 197.3 31.5 47.3#

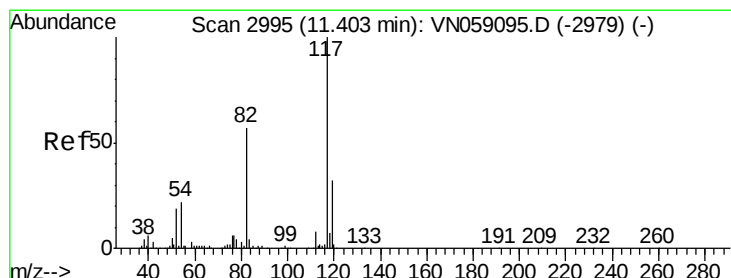
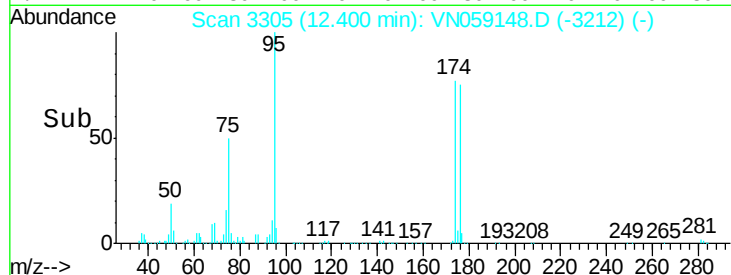
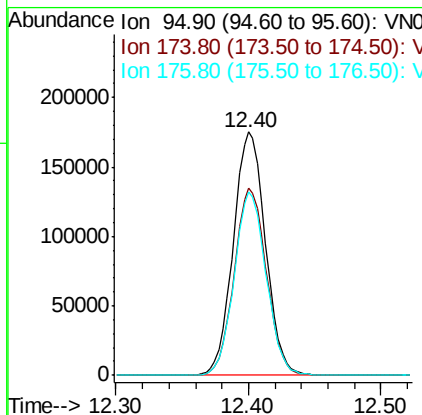
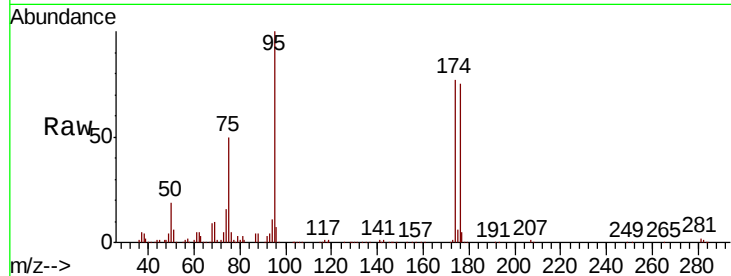




#62
4-Bromofluorobenzene
Concen: 45.225 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059148.D
Acq: 11 Nov 2019 10:28

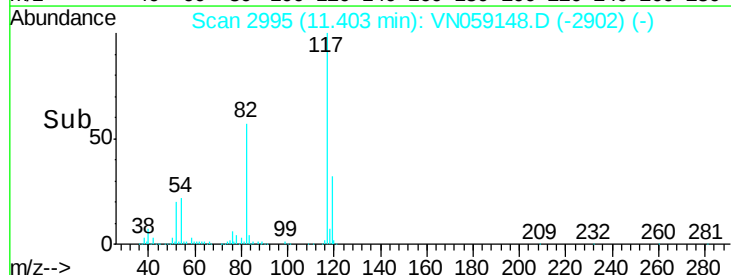
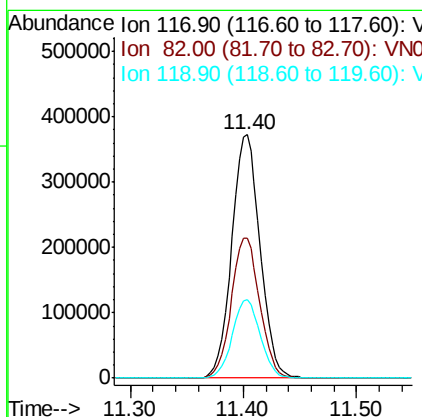
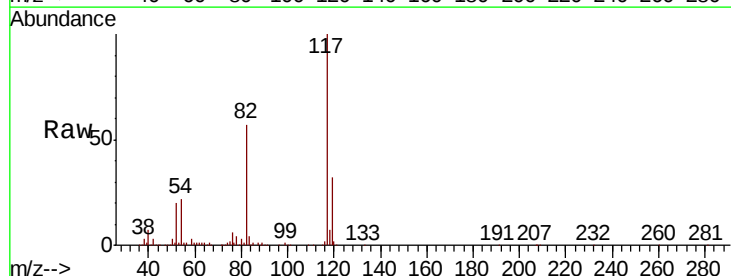
Instrument :
MSVOA_N
ClientSampleId :

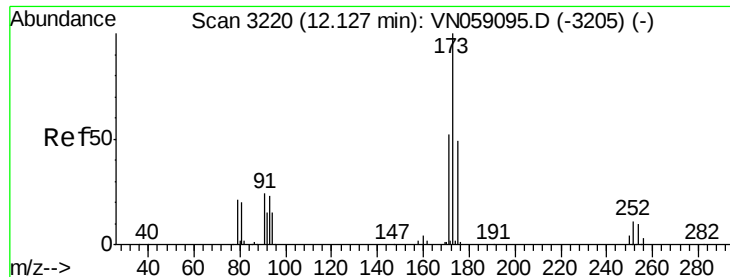
Tot Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	158.2
176	74.8	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059148.D
Acq: 11 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.8	68.8
119	32.1	25.8	38.6





#71

Bromoform

Concen: 0.379 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059148.D

Acq: 11 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

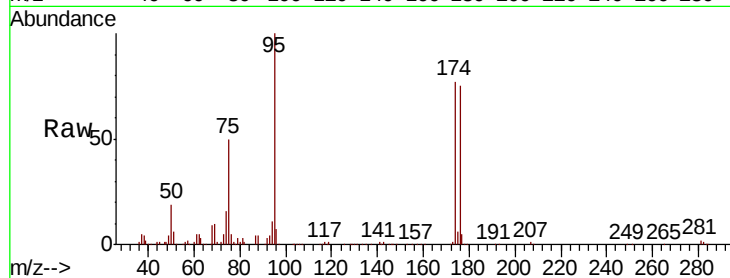
Tot Ion:173 Resp: 1399

Ion Ratio Lower Upper

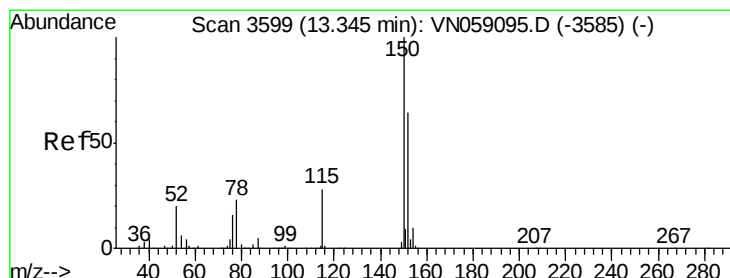
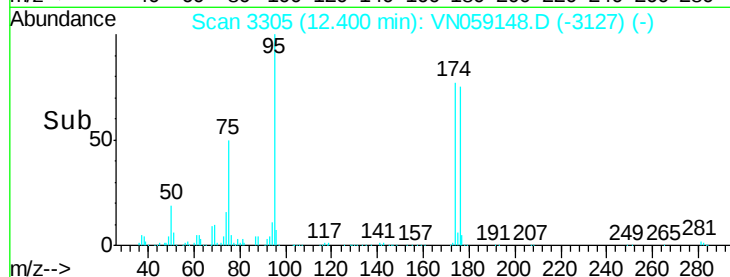
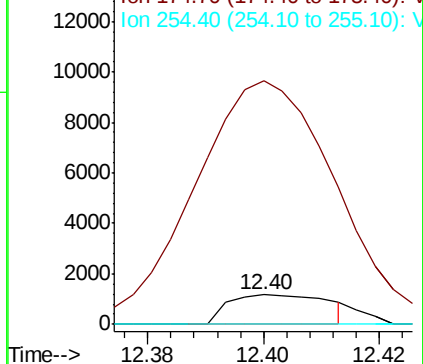
173 100

175 1052.5 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: VN059148.D

Acq: 11 Nov 2019 10:28

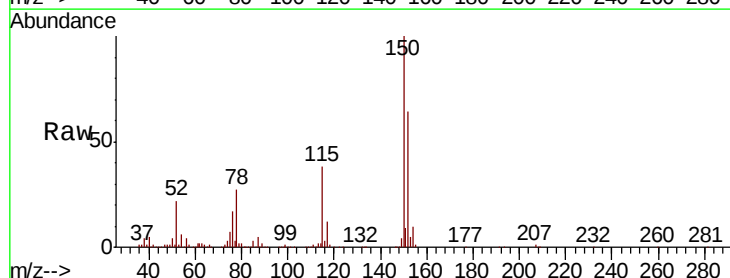
Tgt Ion:152 Resp: 228539

Ion Ratio Lower Upper

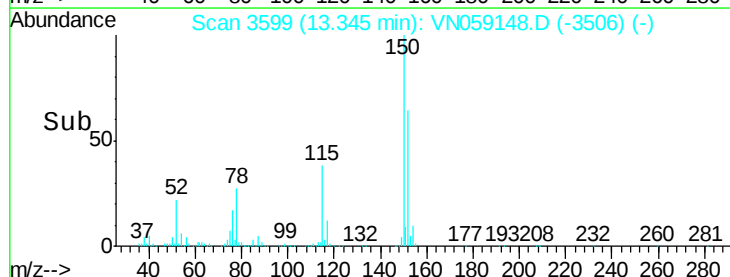
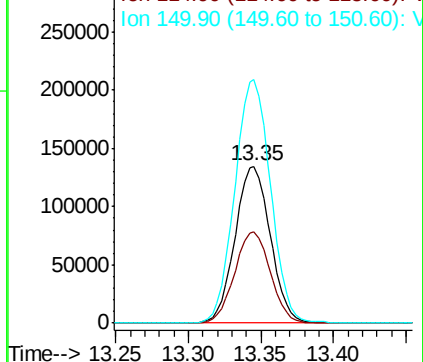
152 100

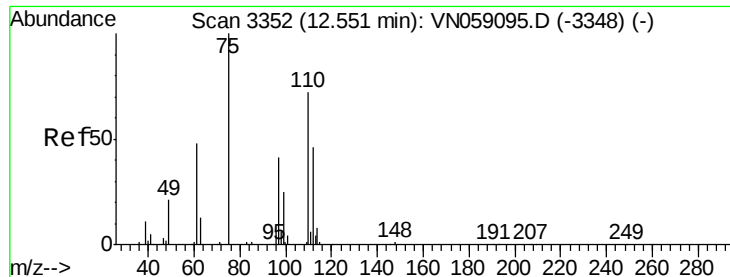
115 59.1 29.4 88.2

150 157.2 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: 28.340 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059148.D

Acq: 11 Nov 2019 10:28

Instrument :

MSVOA_N

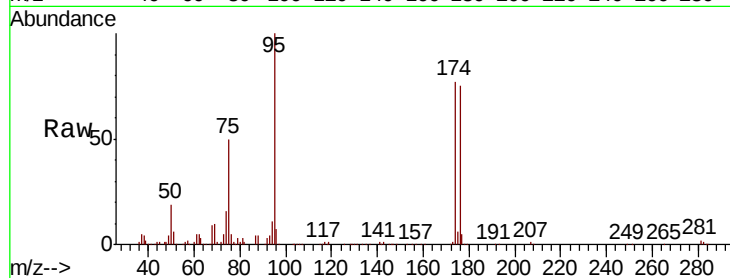
ClientSampleId :

Tot Ion: 75 Resp: 147456

Ion Ratio Lower Upper

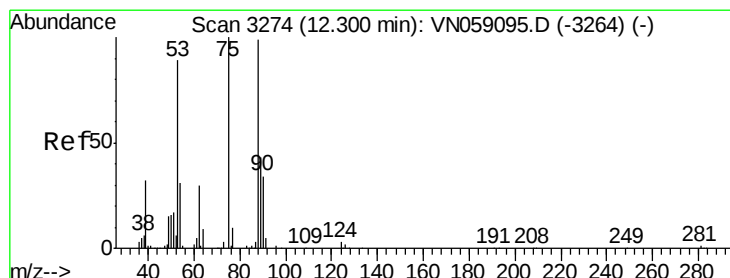
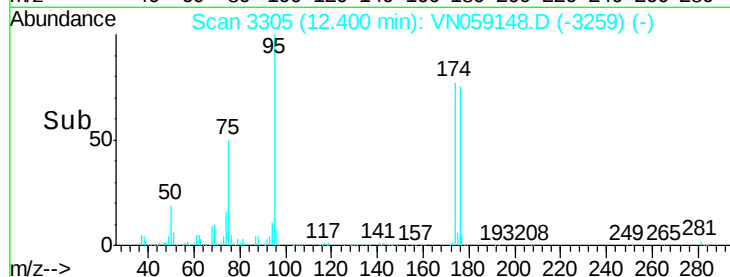
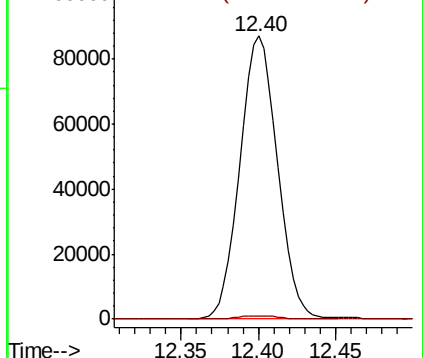
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 74.854 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059148.D

Acq: 11 Nov 2019 10:28

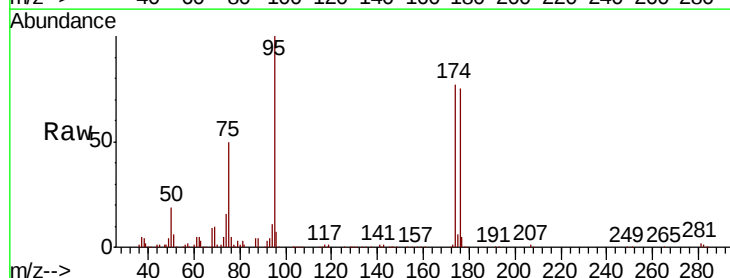
Tgt Ion: 75 Resp: 147456

Ion Ratio Lower Upper

75 100

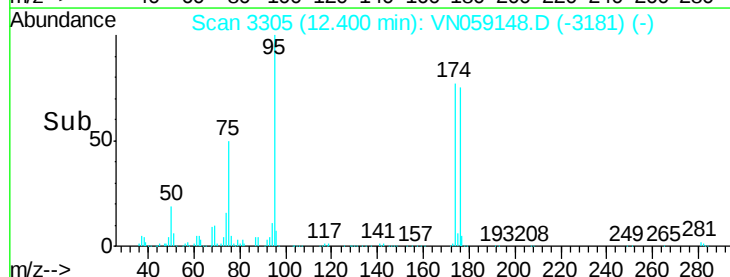
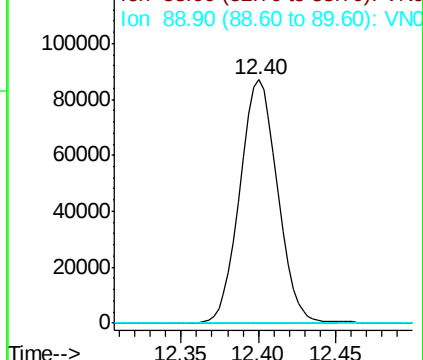
53 0.0 72.2 108.2#

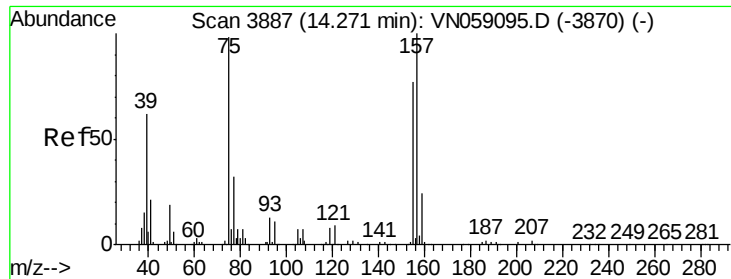
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.431 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN059148.D

Acq: 11 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

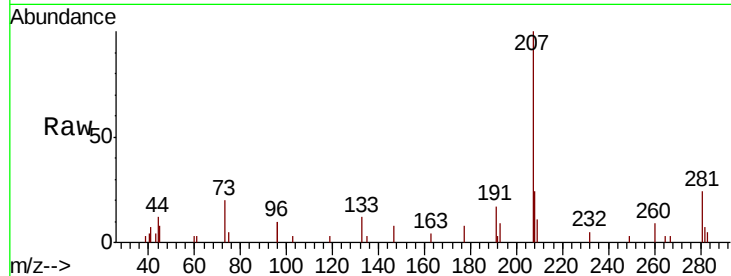
Tot Ion: 75 Resp: 457

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

157 0.0 51.8 155.5#

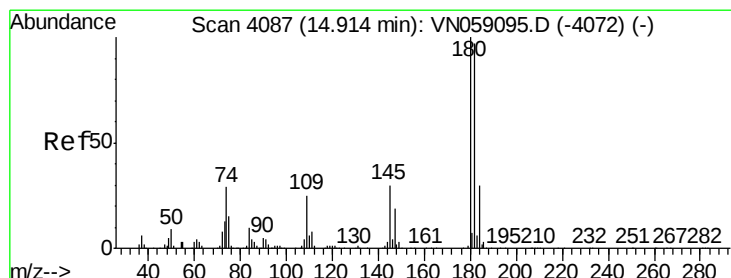
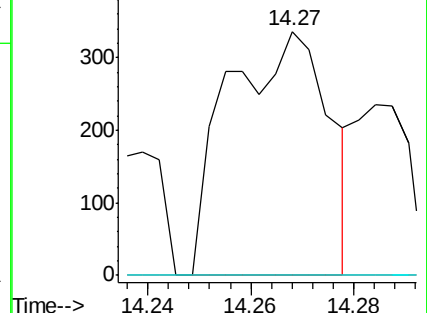
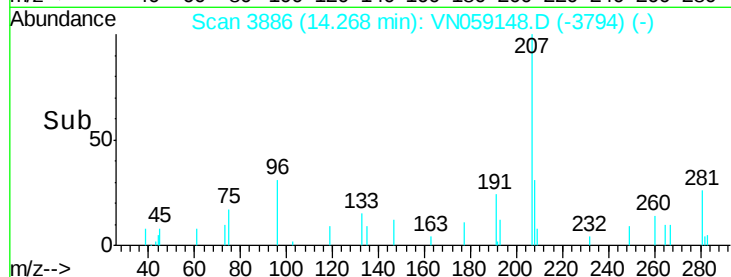


Abundance Ion 74.90 (74.60 to 75.60): VN059148.D (-3794) (-)

Ion 154.80 (154.50 to 155.50): VN059148.D (-3794) (-)

Ion 156.80 (156.50 to 157.50): VN059148.D (-3794) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.109 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN059148.D

Acq: 11 Nov 2019 10:28

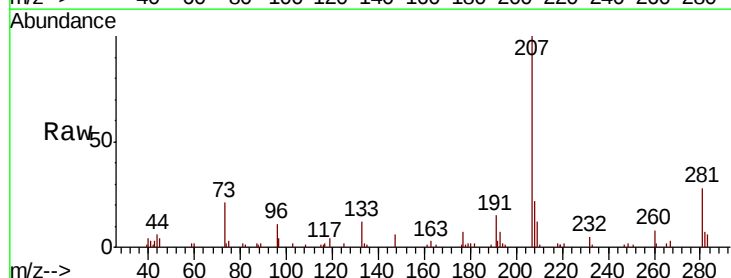
Tgt Ion: 180 Resp: 287

Ion Ratio Lower Upper

180 100

182 50.2 48.1 144.3

145 22.0 15.1 45.3

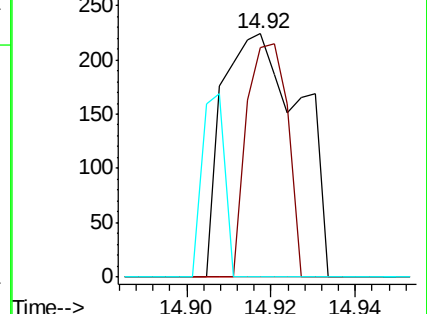
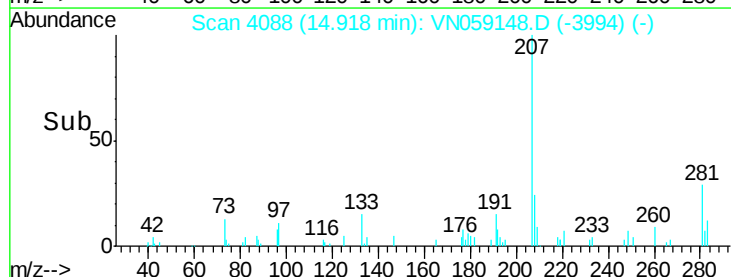


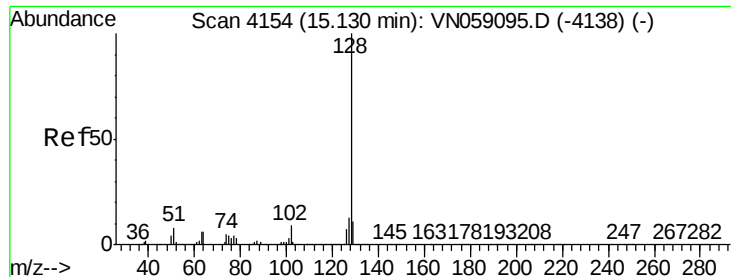
Abundance Ion 179.80 (179.50 to 180.50): VN059148.D (-3994) (-)

Ion 181.80 (181.50 to 182.50): VN059148.D (-3994) (-)

Ion 144.80 (144.50 to 145.50): VN059148.D (-3994) (-)

Time-->

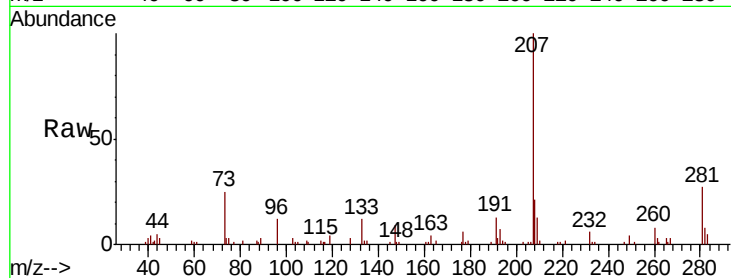




#95
Naphthalene
Concen: 3.121 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059148.D
Acq: 11 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	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

