

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111519\
 Data File : VN059249.D
 Acq On : 15 Nov 2019 9:06
 Operator : JC/SP
 Sample : VN1115MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115MBL01

Quant Time: Nov 15 15:07:40 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	472543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	728331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	625254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	226108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	287294	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.57	113	227954	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	10.08	98	878760	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.40	95	273067	44.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.42%	

Target Compounds

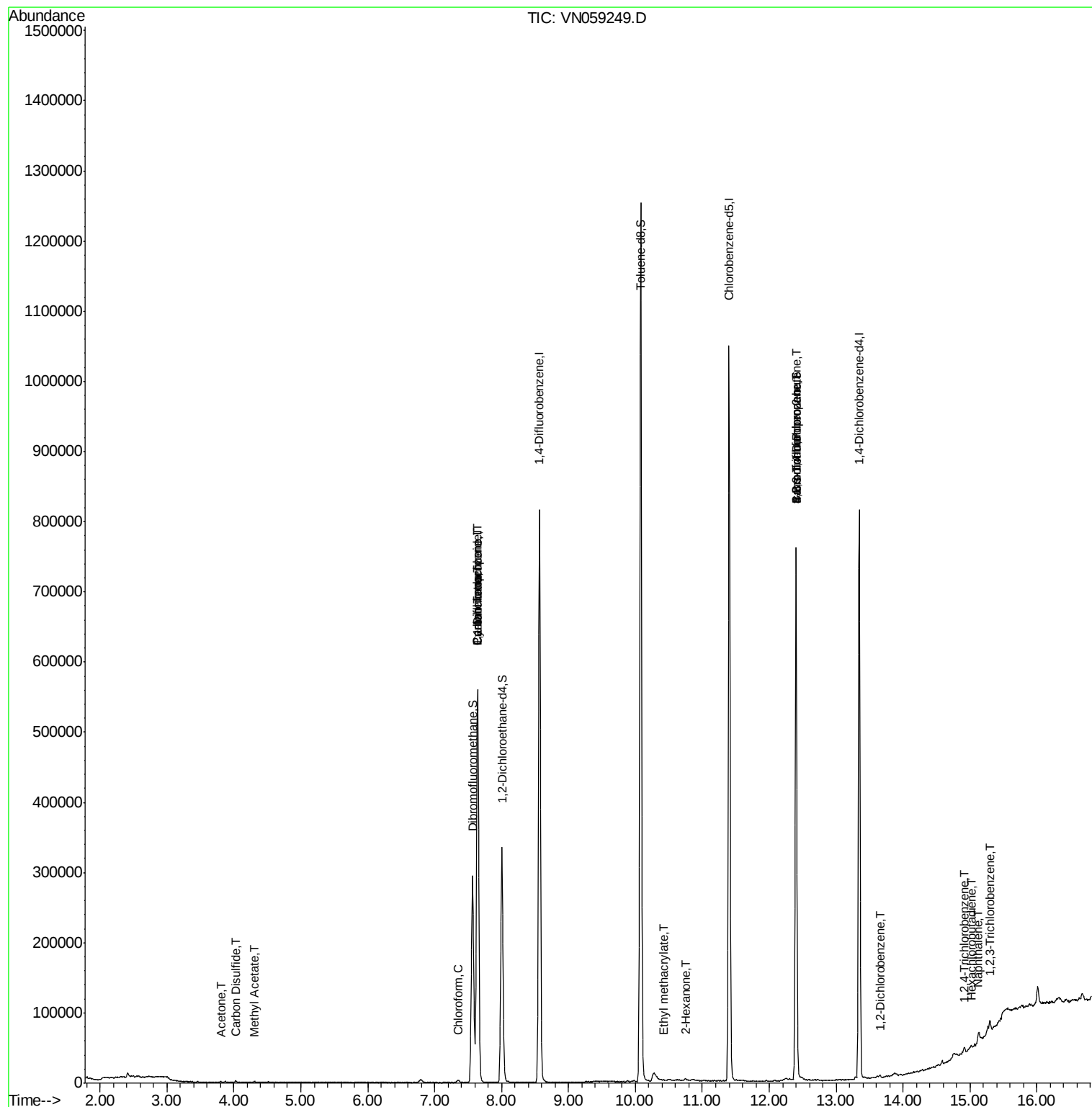
						Qvalue
16) Acetone	3.80	43	613	0.203	ug/l #	44
17) Carbon Disulfide	4.03	76	4242	0.310	ug/l #	92
18) Methyl Acetate	4.30	43	1820	0.254	ug/l #	53
30) Chloroform	7.35	83	4371	0.477	ug/l	92
31) Cyclohexane	7.64	56	8684	0.960	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	35769	5.254	ug/l #	50
38) Carbon Tetrachloride	7.64	117	44436	6.558	ug/l #	17
56) Ethyl methacrylate	10.43	69	66	1.881	ug/l #	1
59) 2-Hexanone	10.75	43	1645	0.314	ug/l	99
71) Bromoform	12.40	173	1487	0.418	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	132598	25.759	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	132598	68.036	ug/l #	13
91) 1,2-Dichlorobenzene	13.66	146	1490	0.214	ug/l	91
93) 1,2,4-Trichlorobenzene	14.91	180	3064	3.728	ug/l	98
94) Hexachlorobutadiene	15.02	225	577	0.240	ug/l #	67
95) Naphthalene	15.13	128	12098	4.015	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	5002	1.282	ug/l	94

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059249.D

Acq: 15 Nov 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

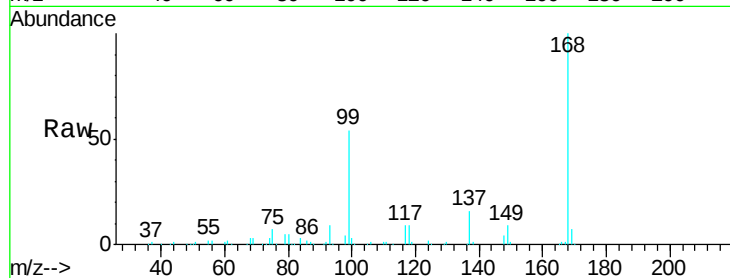
VN1115MBL01

Tgt Ion:168 Resp: 472543

Ion Ratio Lower Upper

168 100

99 54.0 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

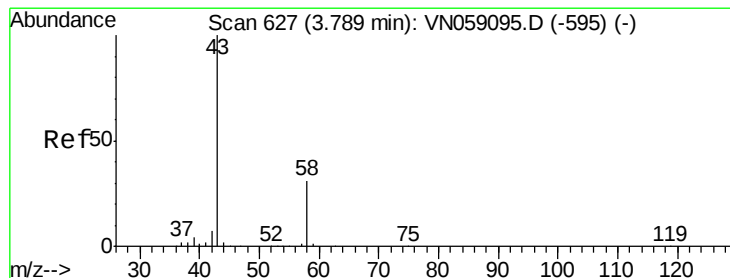
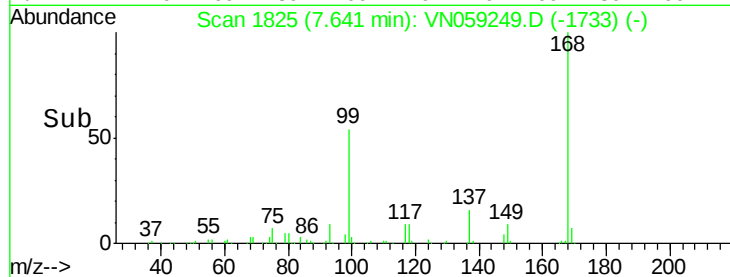
100000

50000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 0.203 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059249.D

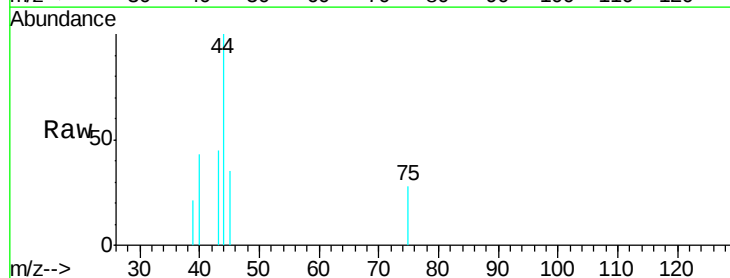
Acq: 15 Nov 2019 9:06

Tgt Ion: 43 Resp: 613

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.80

400

300

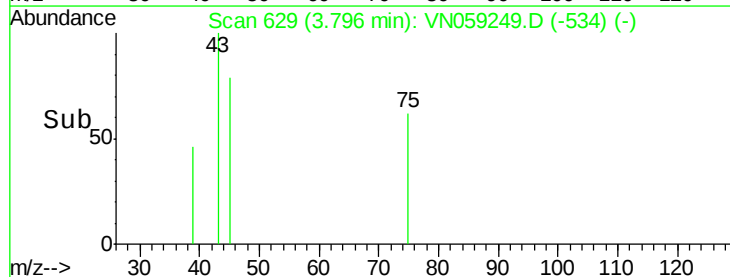
200

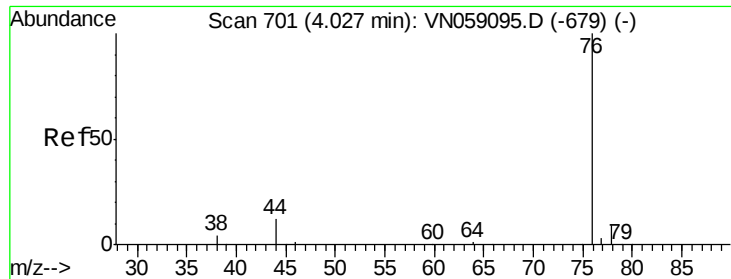
100

0

3.78 3.80 3.82 3.84

Time-->

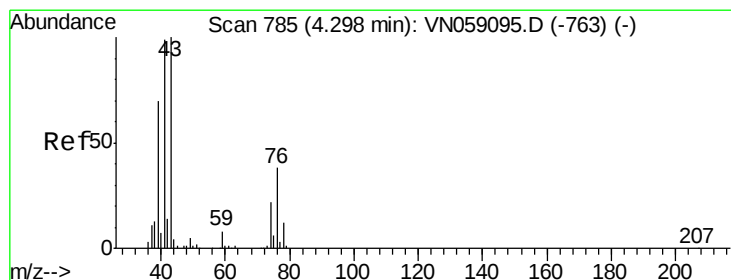
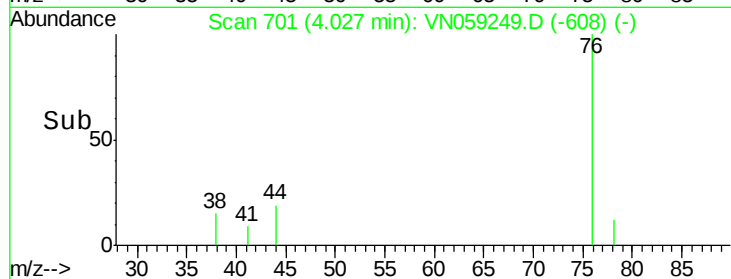
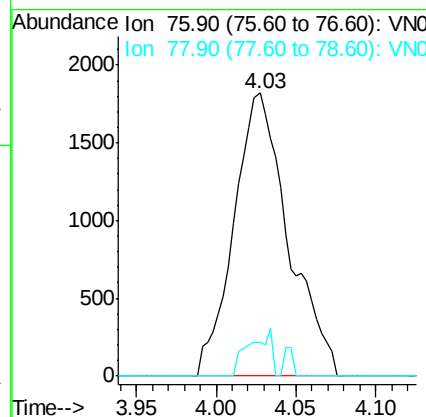
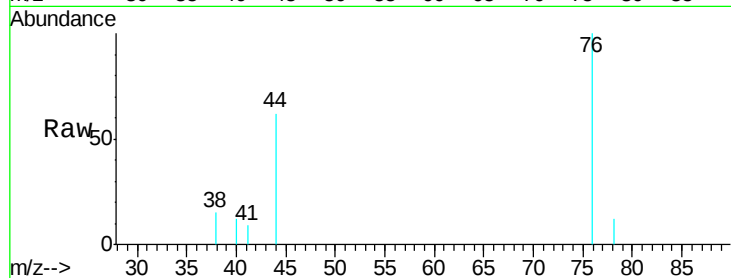




#17
Carbon Disulfide
Concen: 0.310 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059249.D
Acq: 15 Nov 2019 9:06

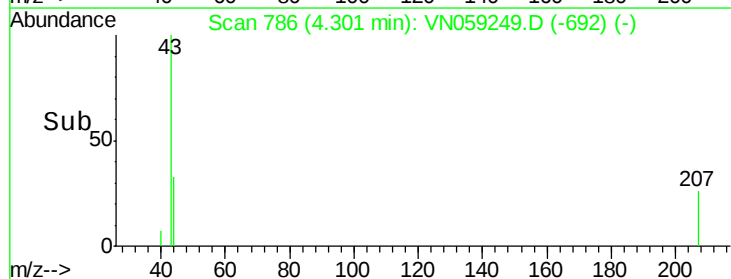
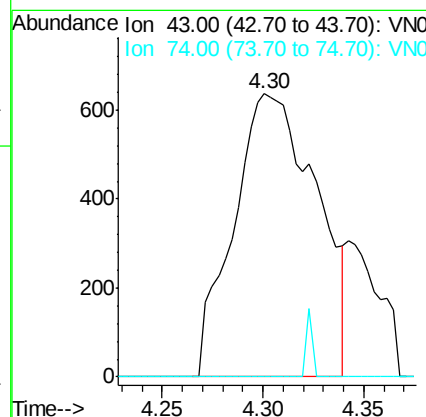
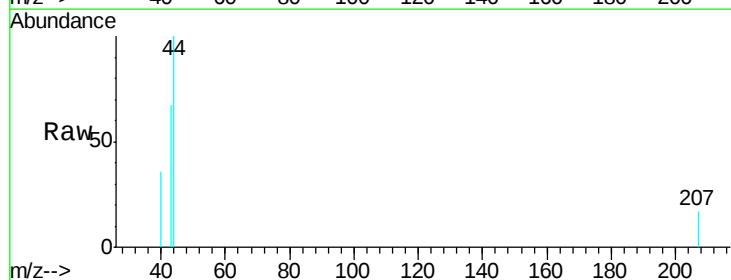
Instrument :
MSVOA_N
ClientSampleId :
VN1115MBL01

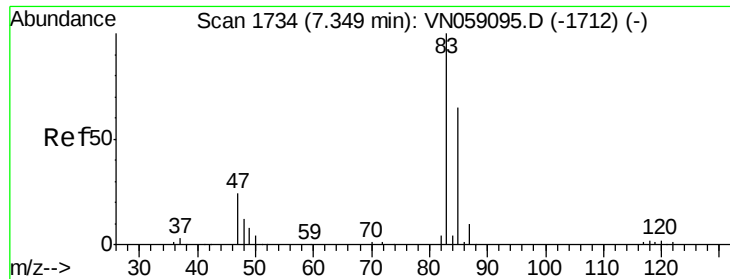
Tgt Ion: 76 Resp: 4242
Ion Ratio Lower Upper
76 100
78 12.1 7.4 11.0#



#18
Methyl Acetate
Concen: 0.254 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059249.D
Acq: 15 Nov 2019 9:06

Tgt Ion: 43 Resp: 1820
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#





#30

Chloroform

Concen: 0.477 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN059249.D

Acq: 15 Nov 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

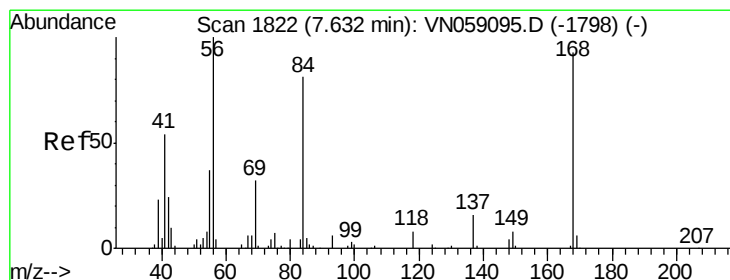
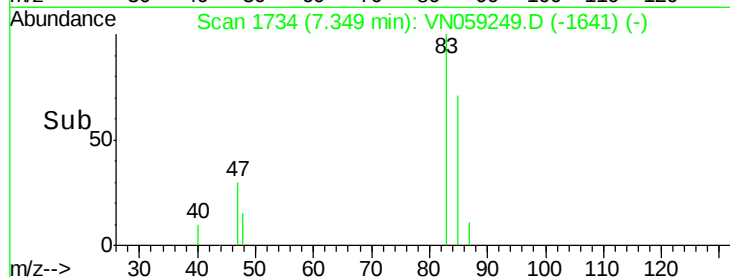
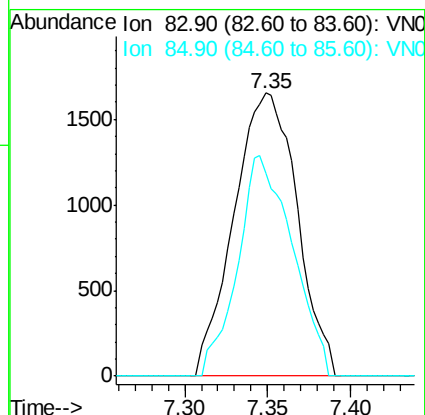
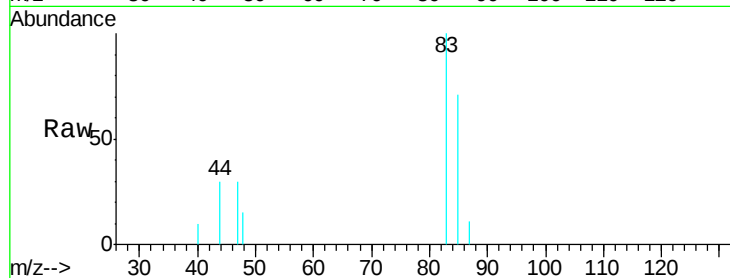
VN1115MBL01

Tgt Ion: 83 Resp: 4371

Ion Ratio Lower Upper

83 100

85 71.4 51.8 77.8



#31

Cyclohexane

Concen: 0.960 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059249.D

Acq: 15 Nov 2019 9:06

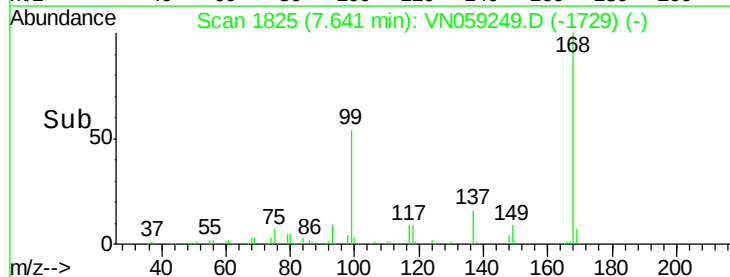
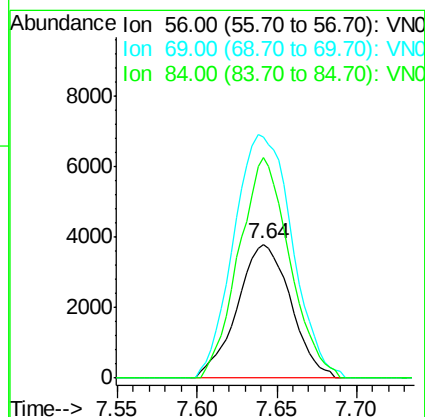
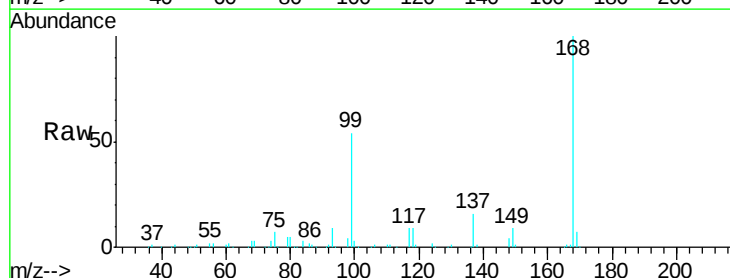
Tgt Ion: 56 Resp: 8684

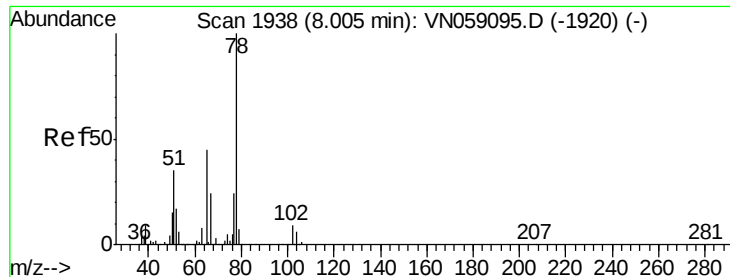
Ion Ratio Lower Upper

56 100

69 180.8 25.8 38.8#

84 165.5 65.0 97.4#

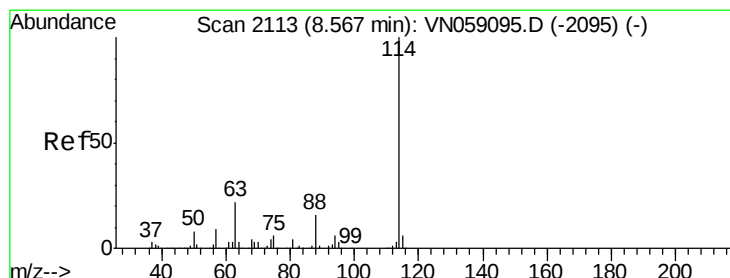
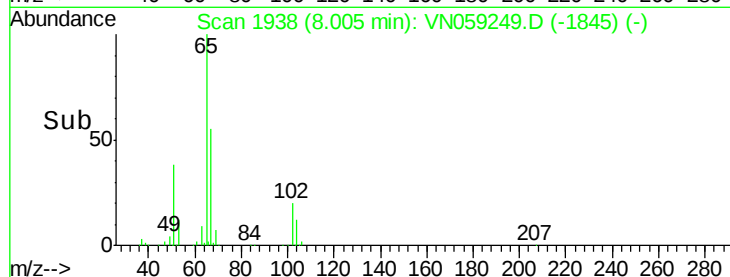
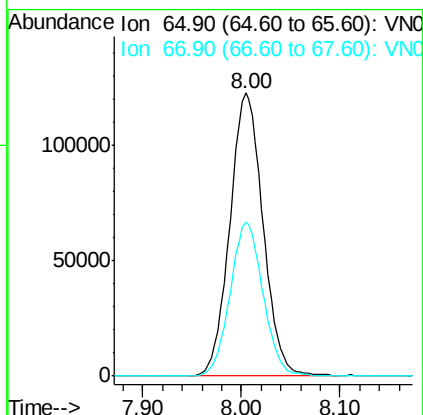
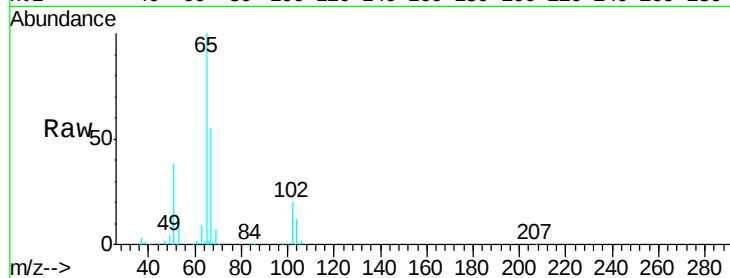




#33
 1,2-Dichloroethane-d4
 Concen: 49.459 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059249.D
 Acq: 15 Nov 2019 9:06

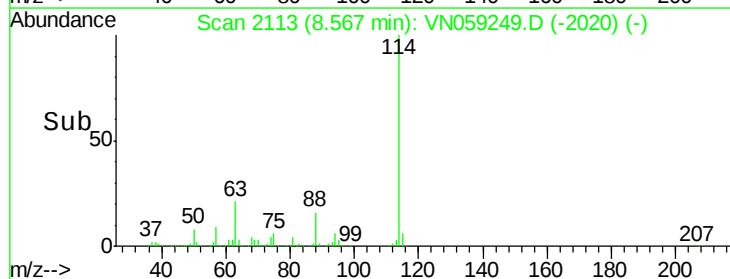
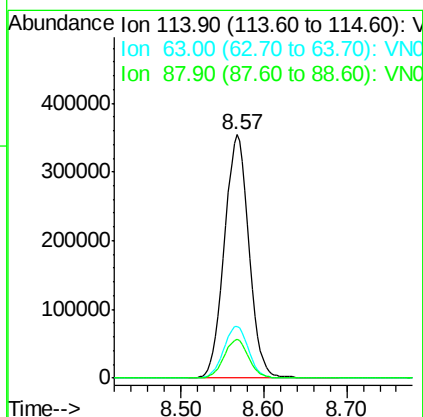
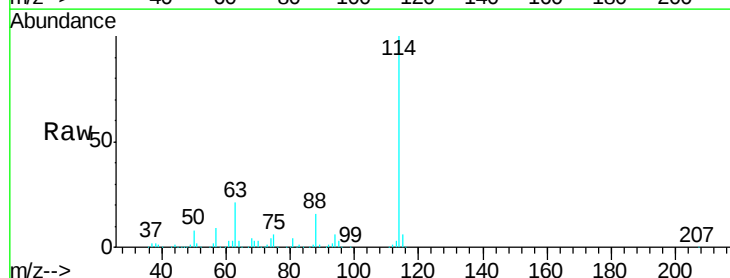
Instrument :
 MSVOA_N
 ClientSampled :
 VN1115MBL01

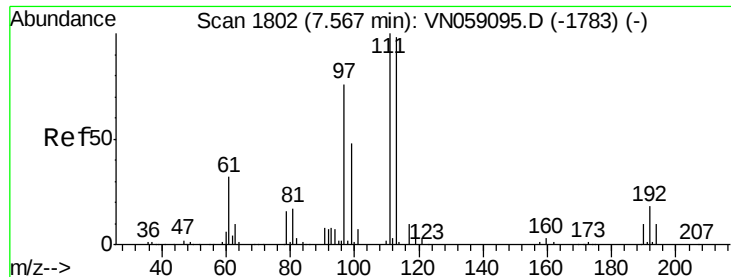
Tgt Ion: 65 Resp: 287294
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059249.D
 Acq: 15 Nov 2019 9:06

Tgt Ion: 114 Resp: 728331
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.4
 88 16.1 0.0 32.2

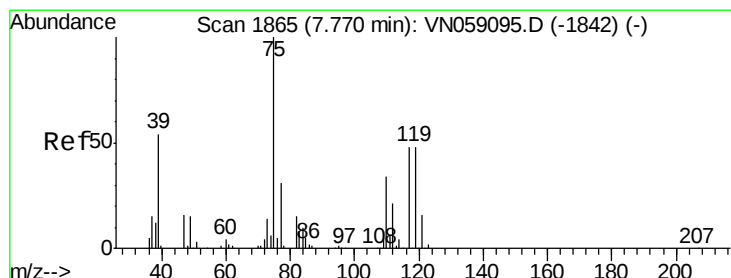
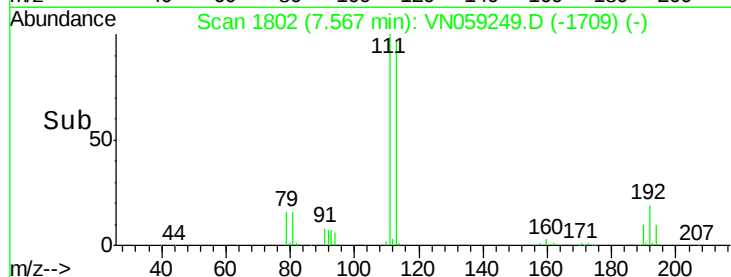
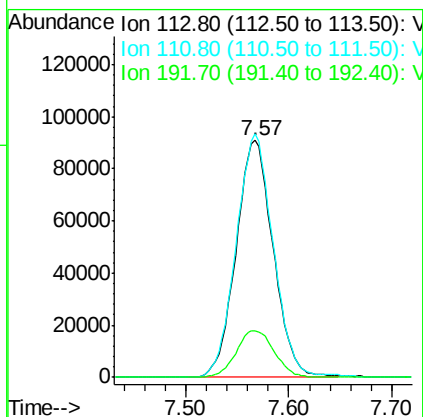
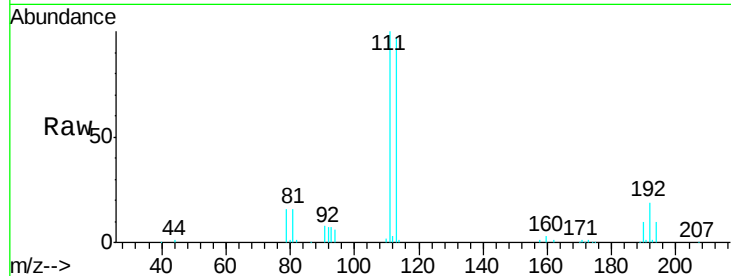




#35
 Dibromofluoromethane
 Concen: 52.417 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059249.D
 Acq: 15 Nov 2019 9:06

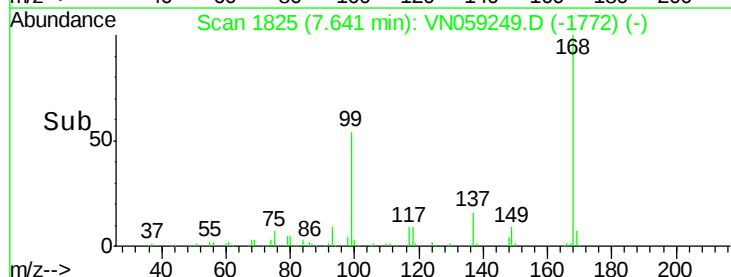
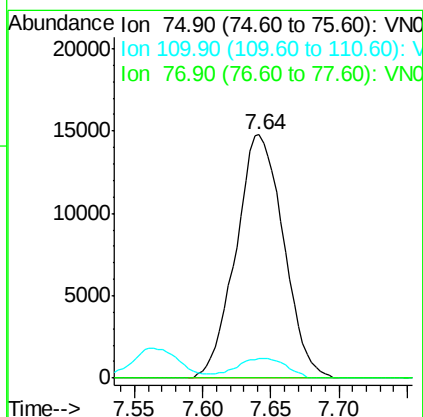
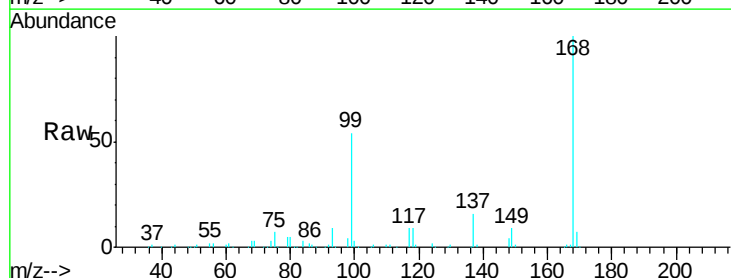
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115MBL01

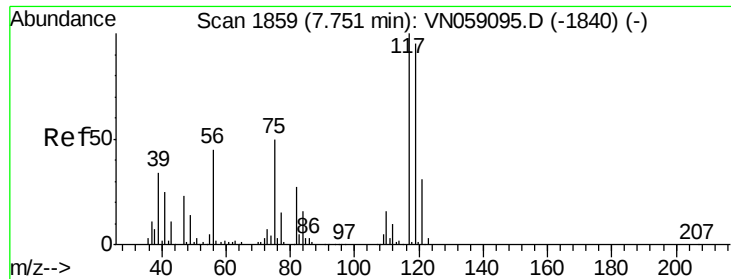
Tgt Ion: 113 Resp: 227954
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.8 124.2
 192 20.2 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.254 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059249.D
 Acq: 15 Nov 2019 9:06

Tgt Ion: 75 Resp: 35769
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.1 51.2#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.558 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.11 min

Lab File: VN059249.D

Acq: 15 Nov 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBL01

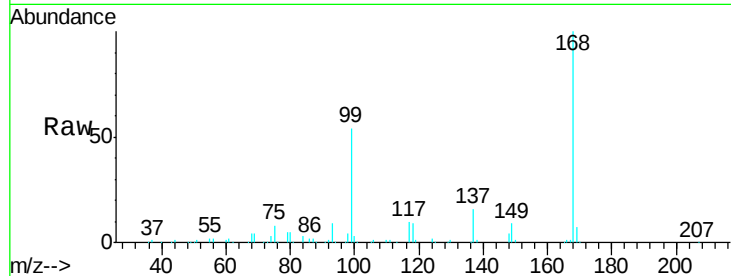
Tgt Ion:117 Resp: 44436

Ion Ratio Lower Upper

117 100

119 5.9 75.6 113.4#

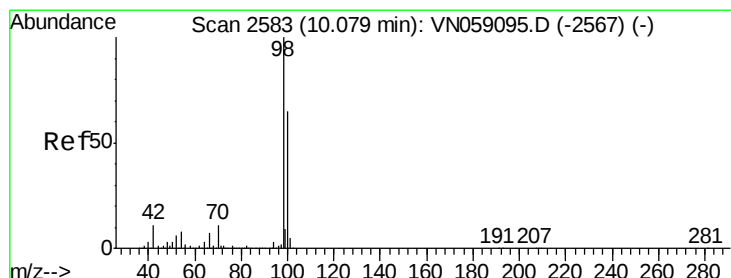
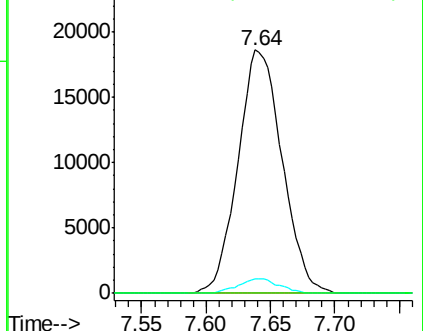
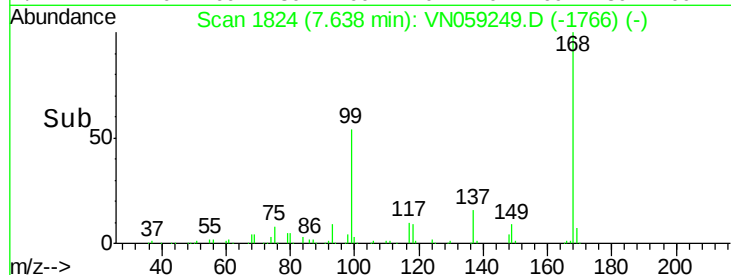
121 0.0 24.6 36.8#



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: 51.300 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059249.D

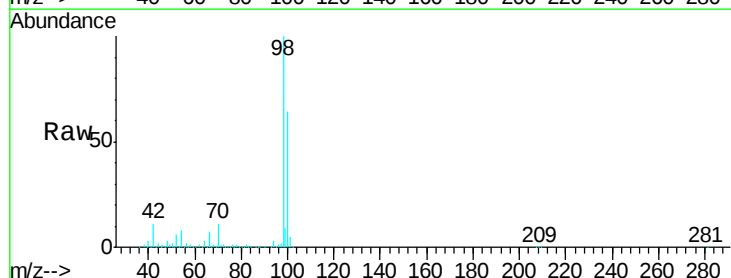
Acq: 15 Nov 2019 9:06

Tgt Ion: 98 Resp: 878760

Ion Ratio Lower Upper

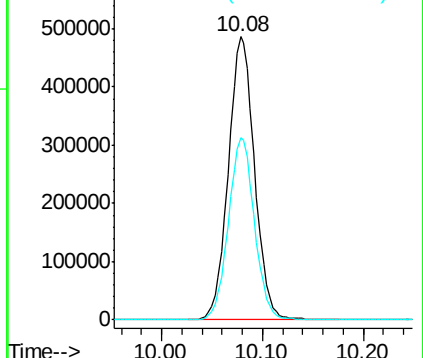
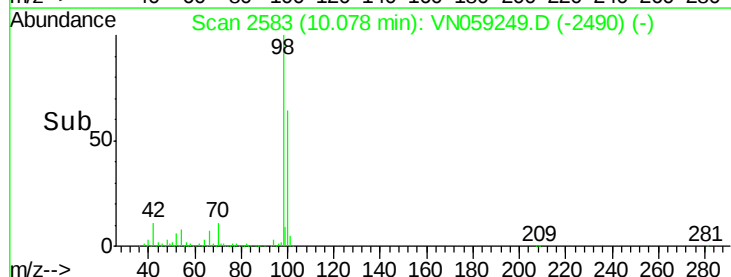
98 100

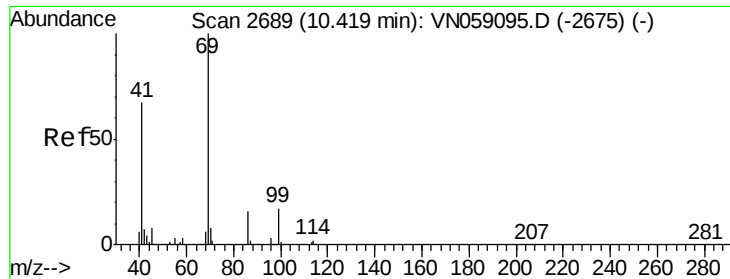
100 64.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 1.881 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.01 min

Lab File: VN059249.D

Acq: 15 Nov 2019 9:06

Instrument :

MSVOA_N

ClientSampled :

VN1115MBL01

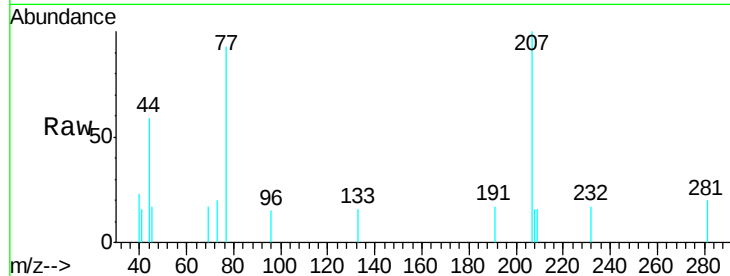
Tgt Ion: 69 Resp: 66

Ion Ratio Lower Upper

69 100

41 195.5 53.6 80.4#

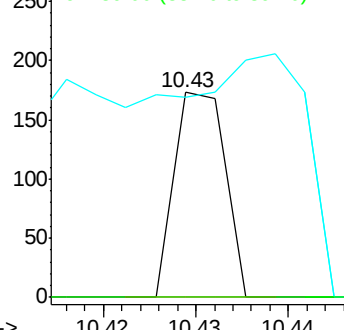
39 0.0 26.2 39.4#



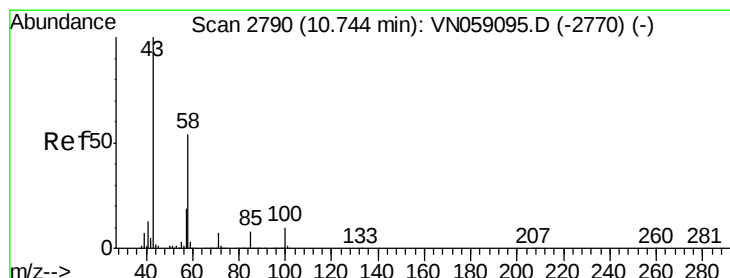
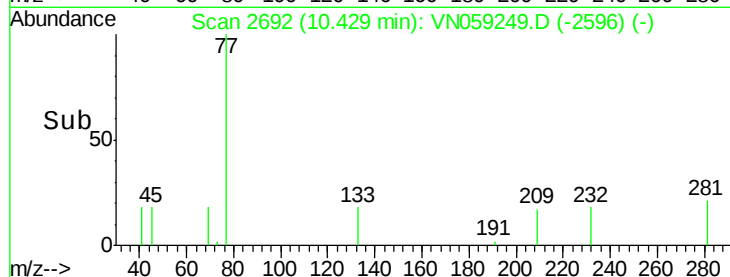
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->



#59

2-Hexanone

Concen: 0.314 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN059249.D

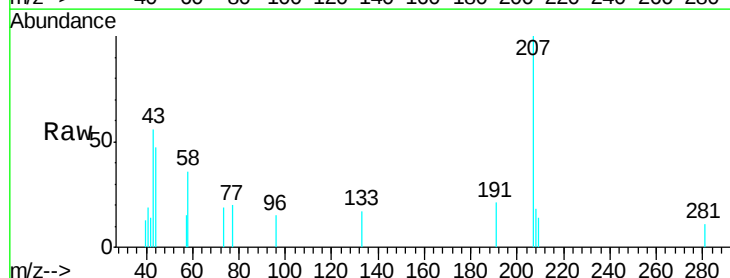
Acq: 15 Nov 2019 9:06

Tgt Ion: 43 Resp: 1645

Ion Ratio Lower Upper

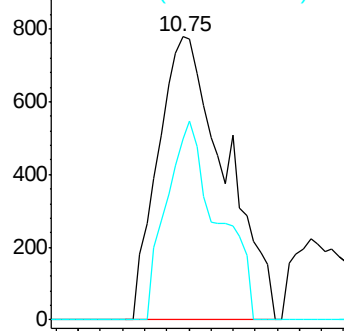
43 100

58 53.6 27.3 81.8

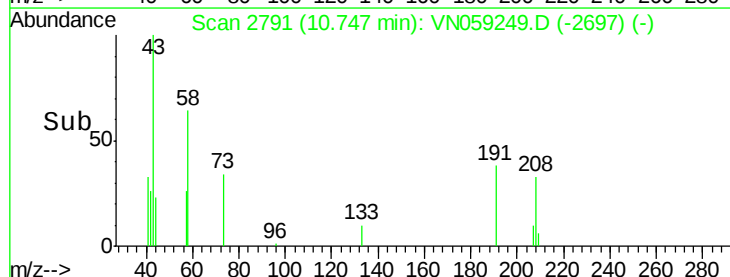


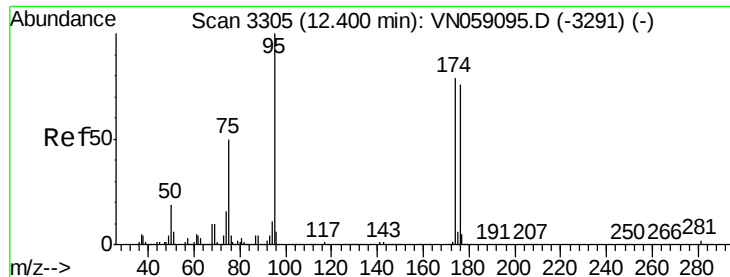
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#62

4-Bromofluorobenzene

Concen: 44.212 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059249.D

Acq: 15 Nov 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBL01

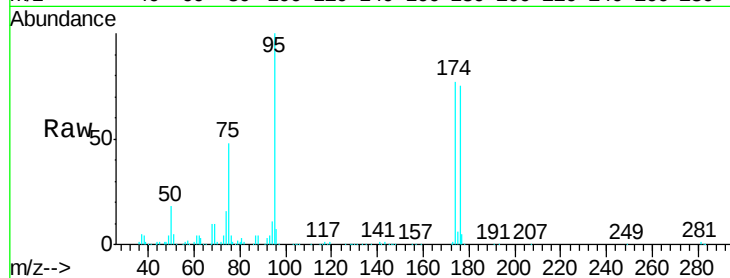
Tgt Ion: 95 Resp: 273067

Ion Ratio Lower Upper

95 100

174 79.2 0.0 158.2

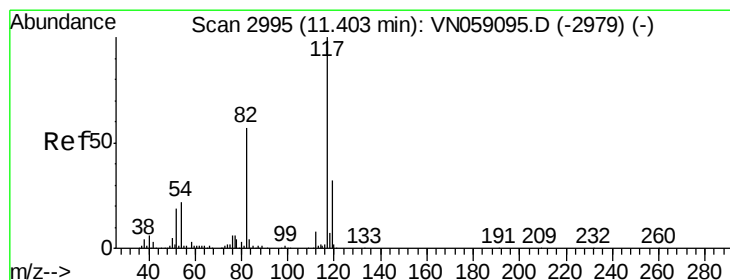
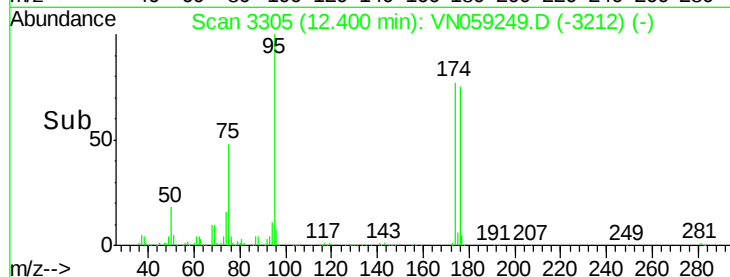
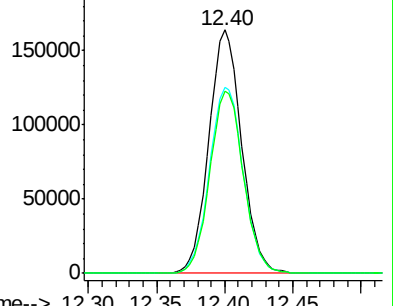
176 76.9 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN059249.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059249.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059249.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059249.D

Acq: 15 Nov 2019 9:06

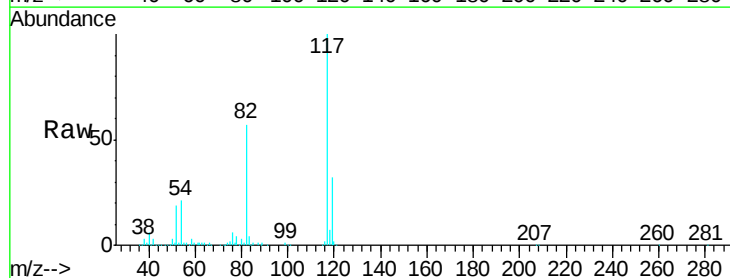
Tgt Ion: 117 Resp: 625254

Ion Ratio Lower Upper

117 100

82 56.9 45.8 68.8

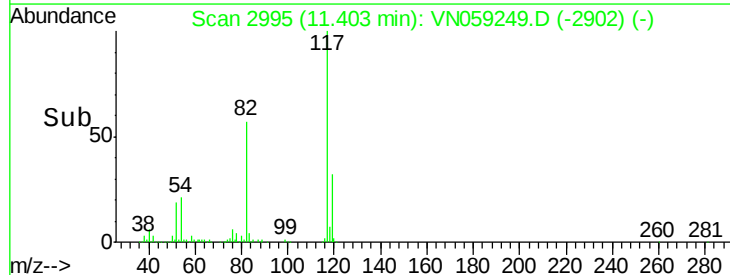
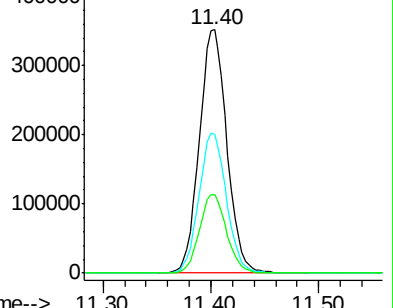
119 32.3 25.8 38.6

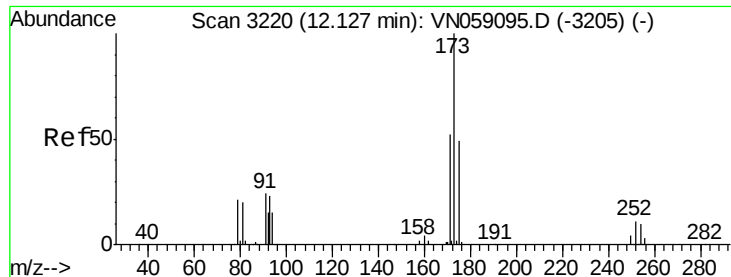


Abundance Ion 116.90 (116.60 to 117.60): VN059249.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN059249.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN059249.D (-2902) (-)





#71

Bromoform

Concen: 0.418 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059249.D

Acq: 15 Nov 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBL01

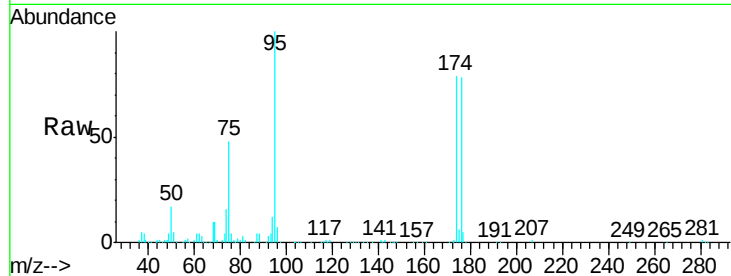
Tgt Ion:173 Resp: 1487

Ion Ratio Lower Upper

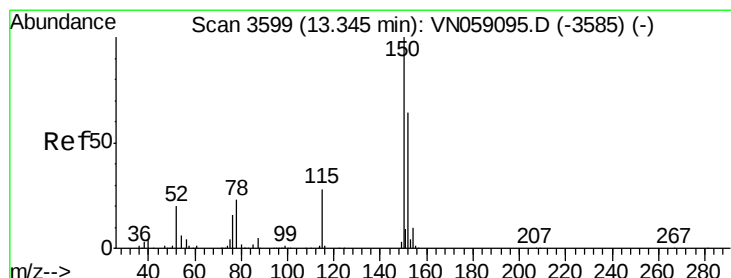
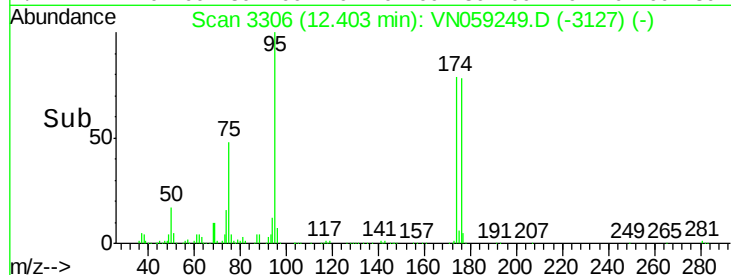
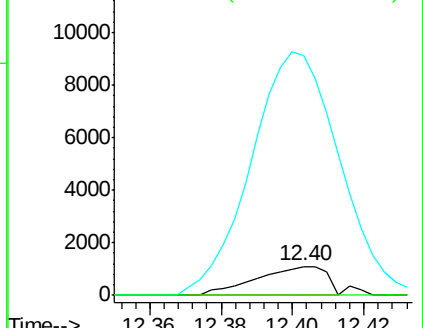
173 100

175 941.4 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: VN059249.D

Acq: 15 Nov 2019 9:06

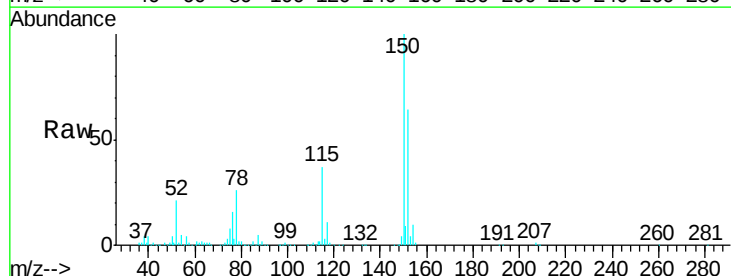
Tgt Ion:152 Resp: 226108

Ion Ratio Lower Upper

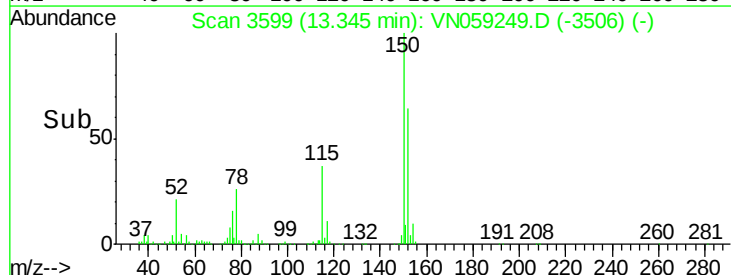
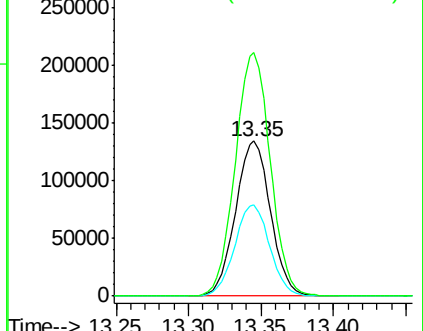
152 100

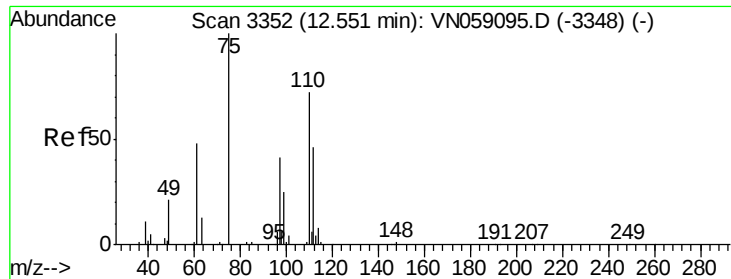
115 58.9 29.4 88.2

150 157.3 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: 25.759 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059249.D

Acq: 15 Nov 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

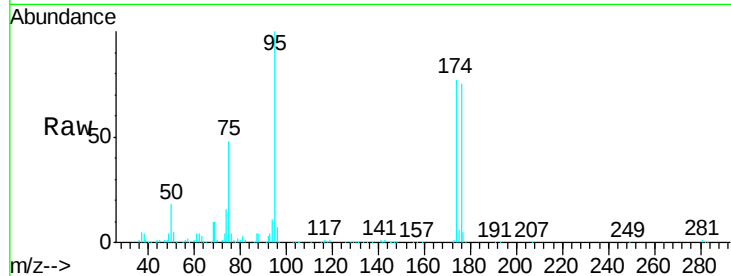
VN1115MBL01

Tgt Ion: 75 Resp: 132598

Ion Ratio Lower Upper

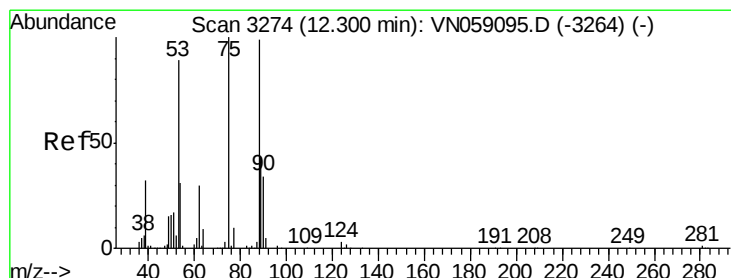
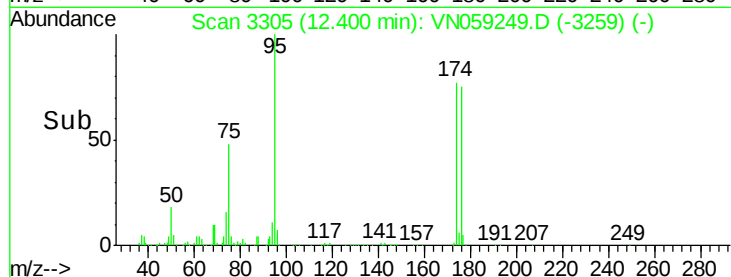
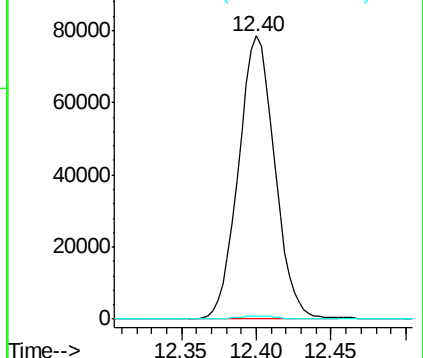
75 100

77 1.3 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: 68.036 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059249.D

Acq: 15 Nov 2019 9:06

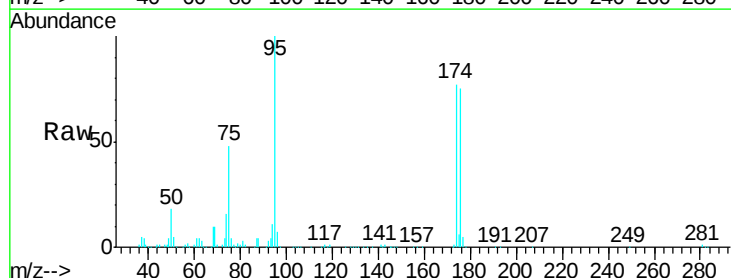
Tgt Ion: 75 Resp: 132598

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

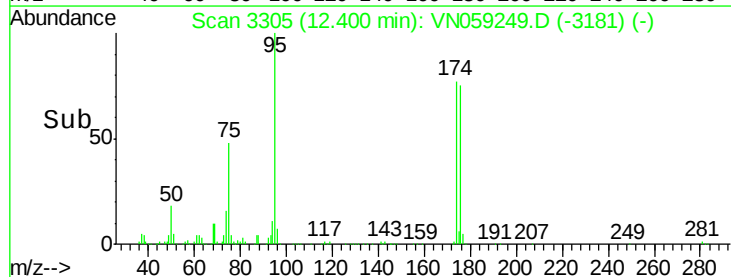
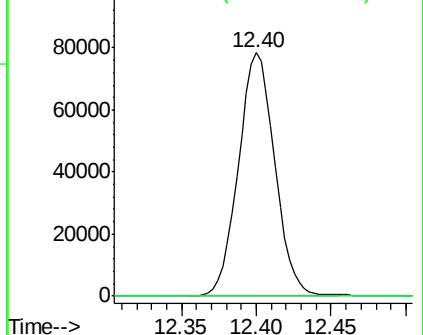
89 0.0 35.8 53.8#

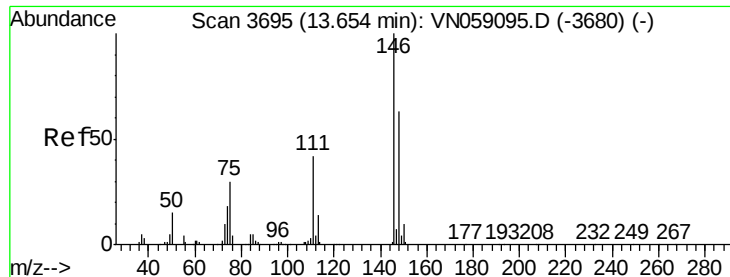


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#91

1,2-Dichlorobenzene

Concen: 0.214 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VN059249.D

Acq: 15 Nov 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBL01

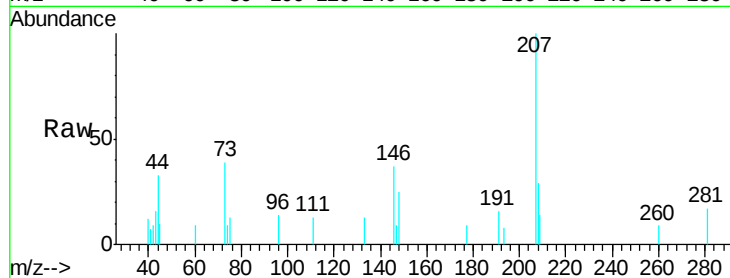
Tgt Ion:146 Resp: 1490

Ion Ratio Lower Upper

146 100

111 32.1 21.2 63.6

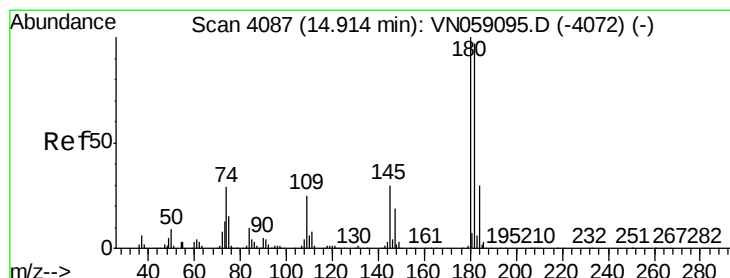
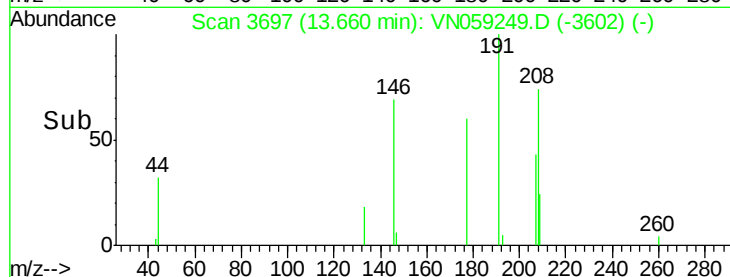
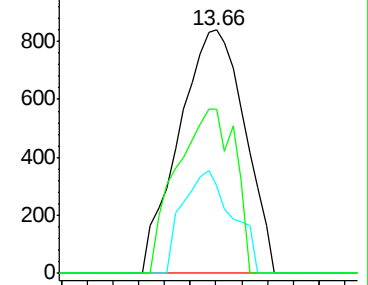
148 59.9 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 3.728 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN059249.D

Acq: 15 Nov 2019 9:06

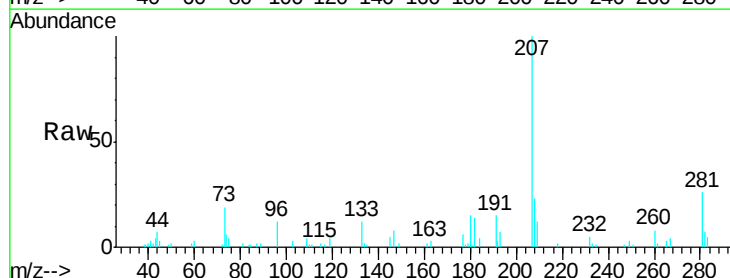
Tgt Ion:180 Resp: 3064

Ion Ratio Lower Upper

180 100

182 94.9 48.1 144.3

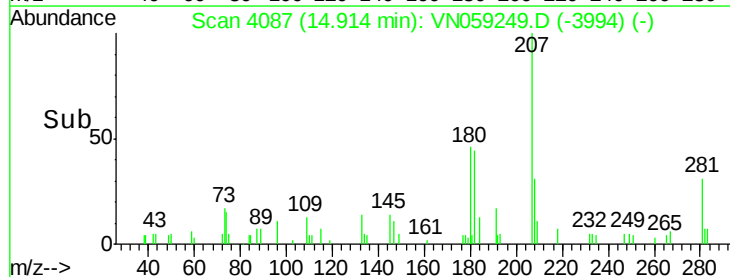
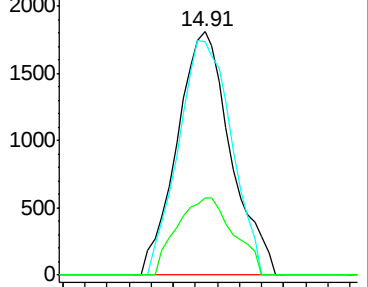
145 33.3 15.1 45.3

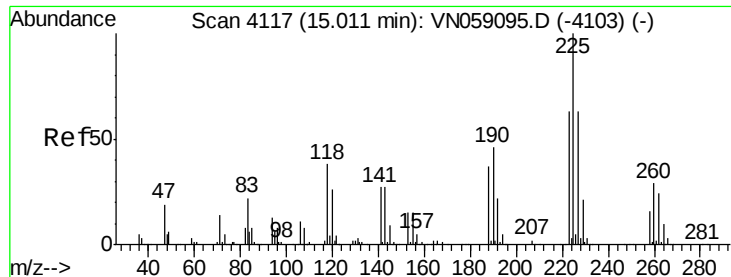


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.240 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.01 min

Lab File: VN059249.D

Acq: 15 Nov 2019 9:06

Instrument :

MSVOA_N

ClientSampled :

VN1115MBL01

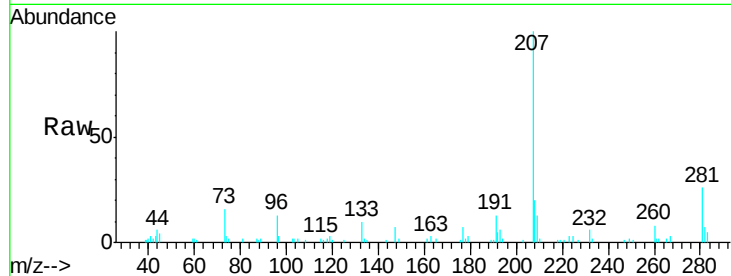
Tgt Ion:225 Resp: 577

Ion Ratio Lower Upper

225 100

223 110.6 31.3 93.9#

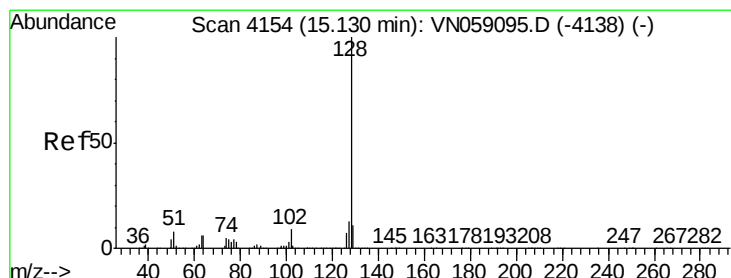
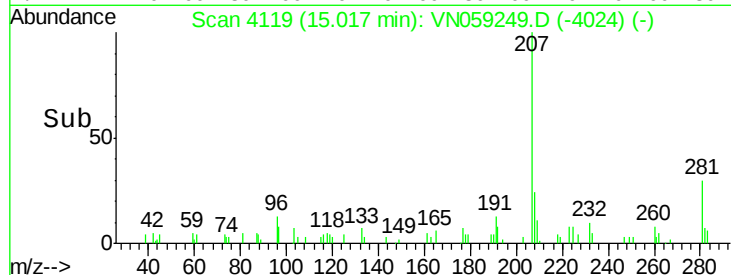
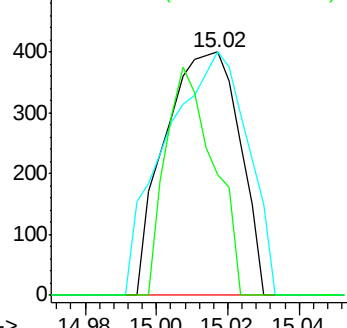
227 60.5 31.5 94.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.015 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059249.D

Acq: 15 Nov 2019 9:06

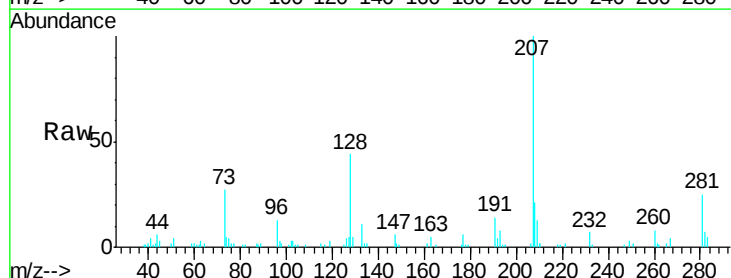
Tgt Ion:128 Resp: 12098

Ion Ratio Lower Upper

128 100

127 11.8 10.2 15.2

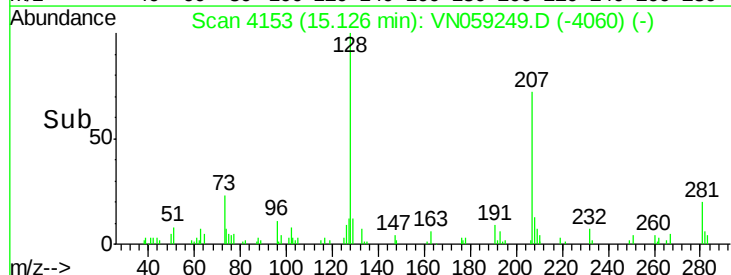
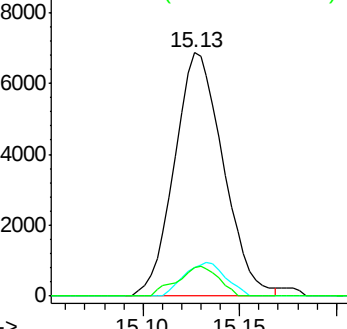
129 10.3 8.6 12.8

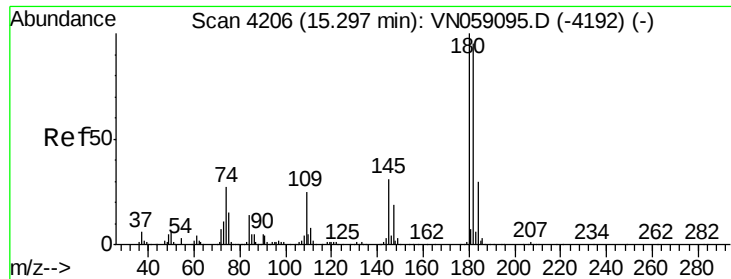


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

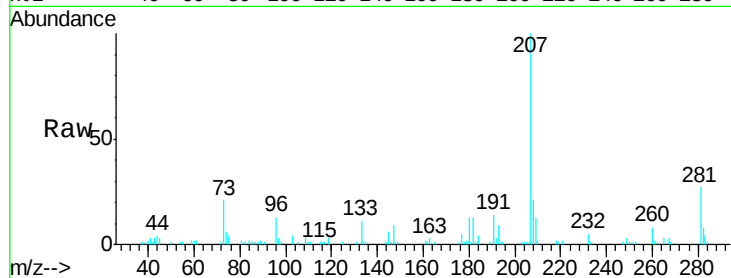




#96
 1,2,3-Trichlorobenzene
 Concen: 1.282 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.00 min
 Lab File: VN059249.D
 Acq: 15 Nov 2019 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115MBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.8	47.3	141.8
145	38.7	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

