

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012820\
 Data File : VN059888.D
 Acq On : 28 Jan 2020 11:06
 Operator : JC/MD
 Sample : VN0128WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBL01

Quant Time: Jan 28 12:39:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	220825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	332550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	285944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	108617	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	115968	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
35) Dibromofluoromethane	7.56	113	99824	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.08	98	389489	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.40	95	124653	45.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.00%	

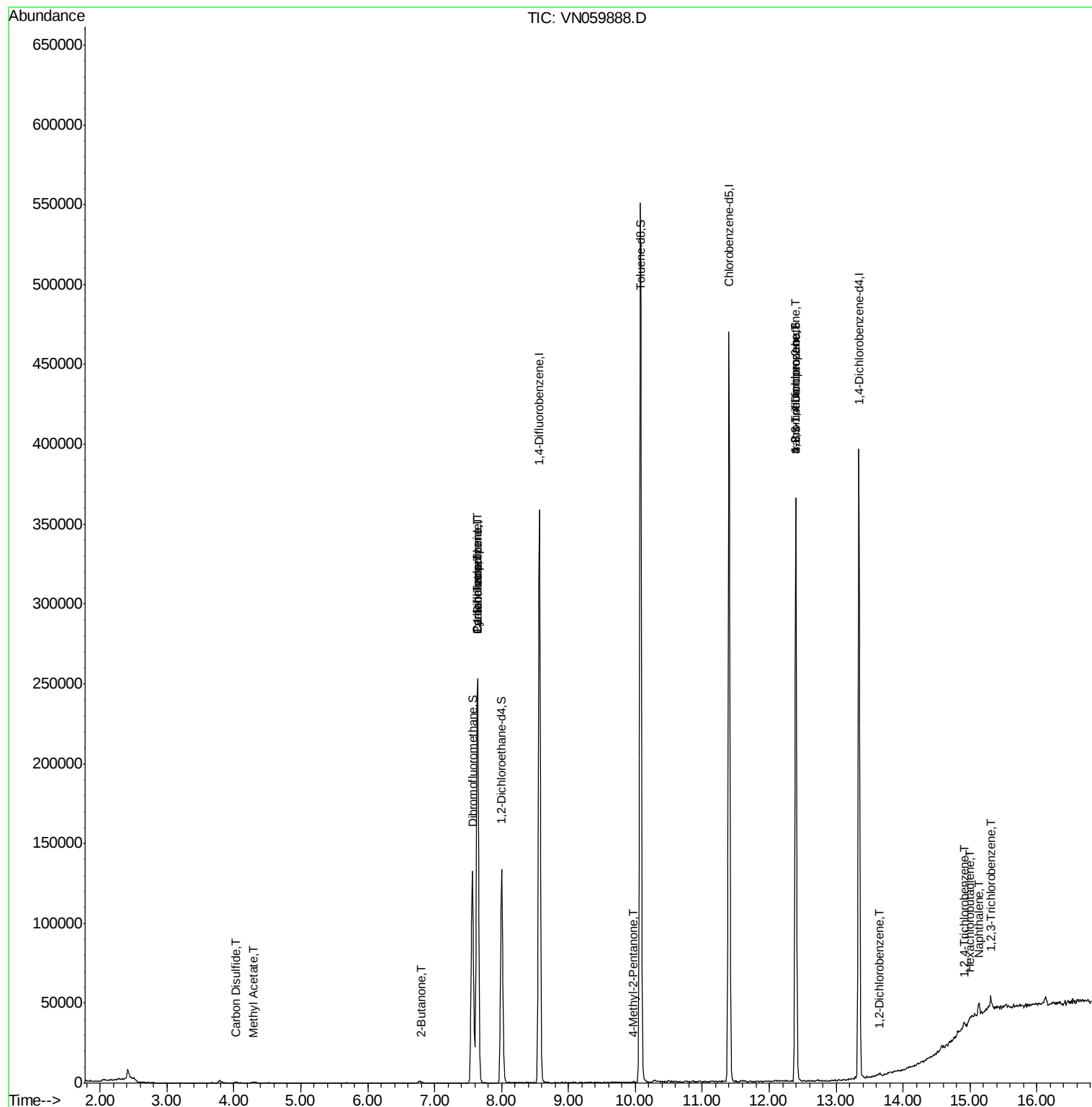
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	1553	Below Cal	#	88
17) Carbon Disulfide	4.03	76	1173	0.20	ug/l #	75
18) Methyl Acetate	4.29	43	800	0.28	ug/l #	54
20) Methylene Chloride	4.52	84	93	Below Cal	#	53
25) 2-Butanone	6.81	43	360	0.26	ug/l #	50
31) Cyclohexane	7.63	56	4403	1.21	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15004	5.18	ug/l #	51
38) Carbon Tetrachloride	7.64	117	20537	6.52	ug/l #	15
51) 4-Methyl-2-Pentanone	9.98	43	1080	0.40	ug/l #	38
76) 1,2,3-Trichloropropane	12.40	75	61753	33.78	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	61753	72.55	ug/l #	11
91) 1,2-Dichlorobenzene	13.66	146	710	0.20	ug/l	83
92) 1,2-Dibromo-3-Chloropropan	14.31	75	29	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	1679	0.81	ug/l	89
94) Hexachlorobutadiene	15.01	225	433	0.38	ug/l	89
95) Naphthalene	15.13	128	6788	1.15	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.31	180	2672	1.32	ug/l	96

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059888.D

Acq: 28 Jan 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

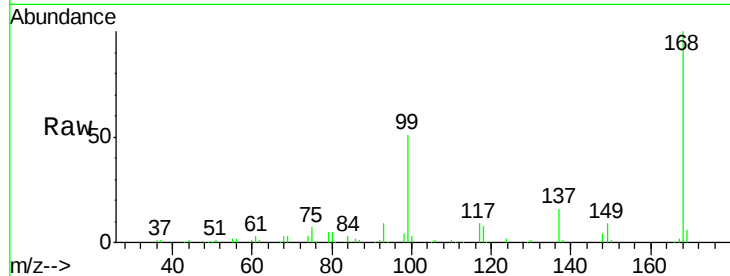
VN0128WBL01

Tgt Ion:168 Resp: 220825

Ion Ratio Lower Upper

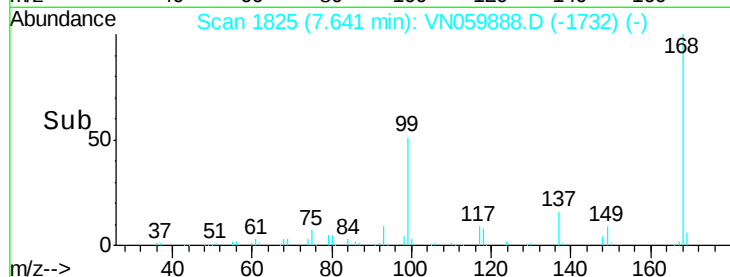
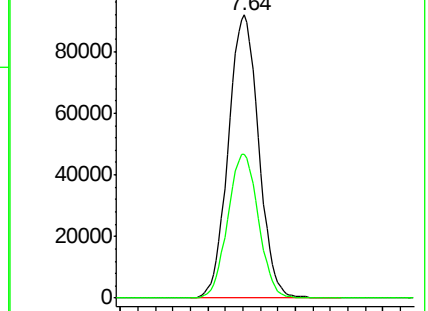
168 100

99 51.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN059888.D

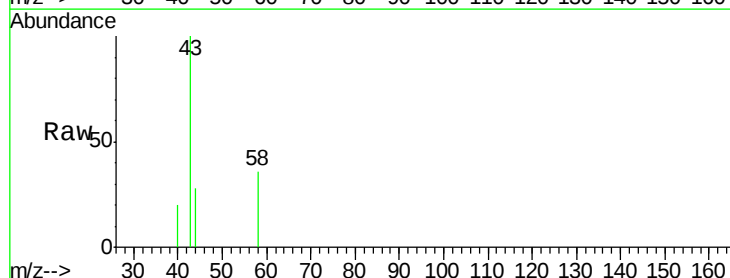
Acq: 28 Jan 2020 11:06

Tgt Ion: 43 Resp: 1553

Ion Ratio Lower Upper

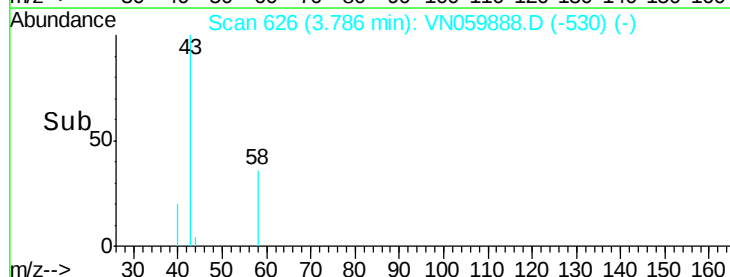
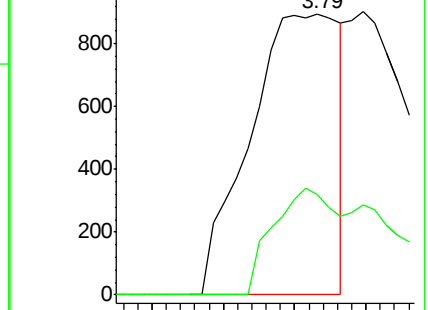
43 100

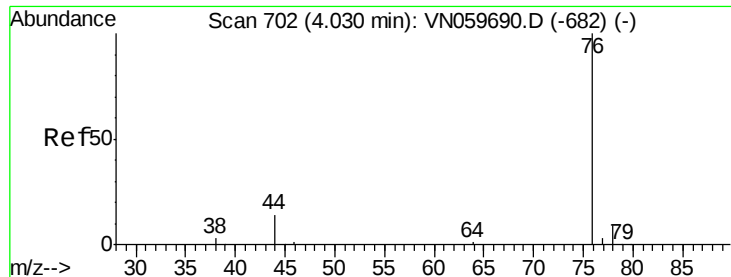
58 35.9 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

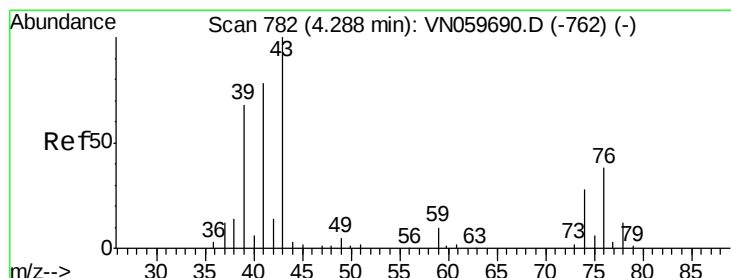
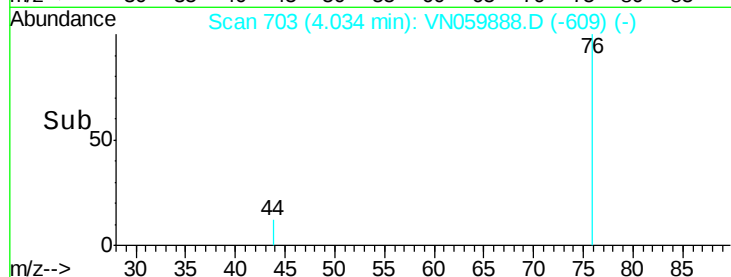
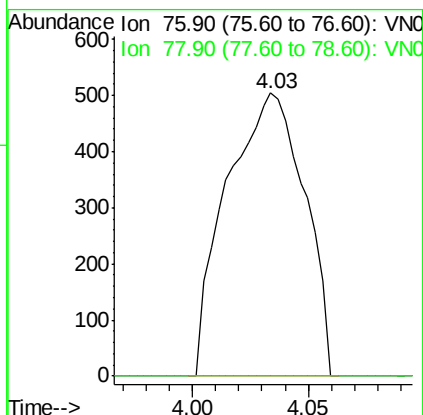
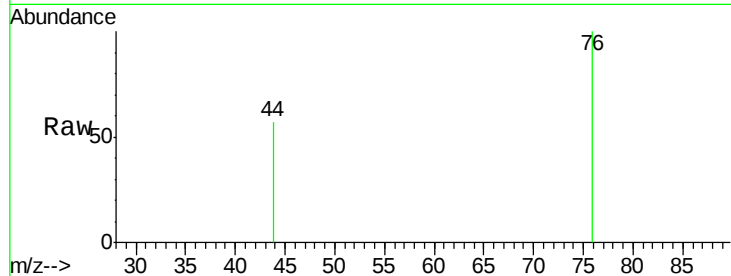




#17
Carbon Disulfide
Concen: 0.20 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN059888.D
Acq: 28 Jan 2020 11:06

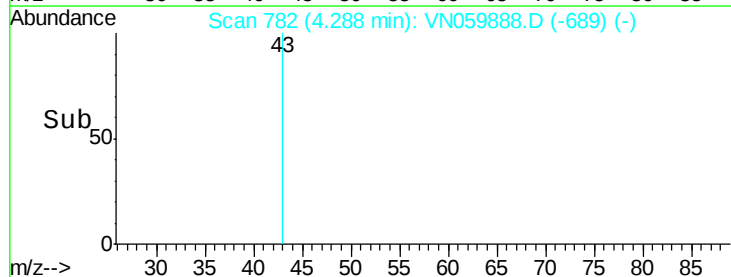
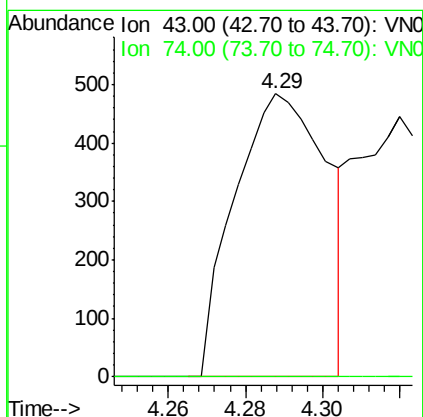
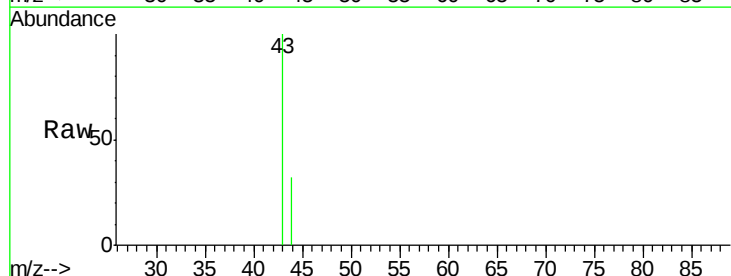
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

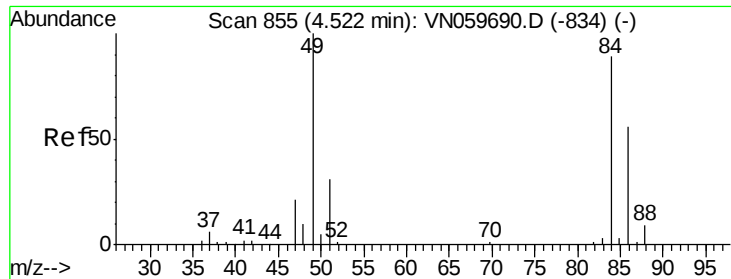
Tgt Ion: 76 Resp: 1173
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.28 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059888.D
Acq: 28 Jan 2020 11:06

Tgt Ion: 43 Resp: 800
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN059888.D

Acq: 28 Jan 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBL01

Tgt Ion: 84 Resp: 93

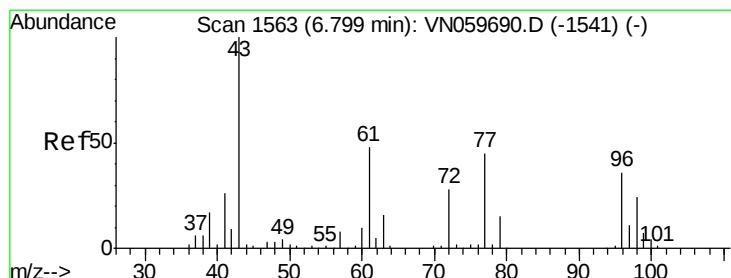
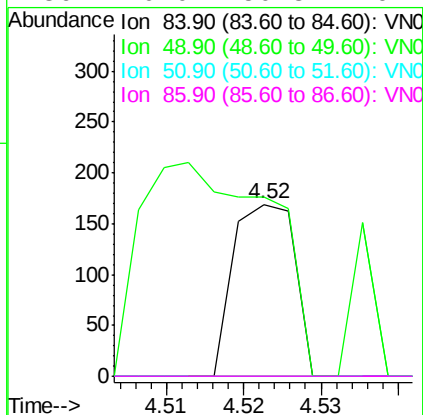
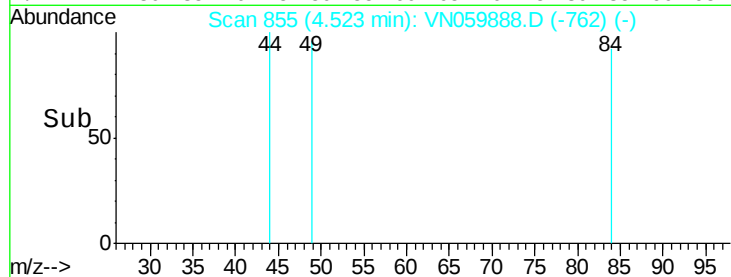
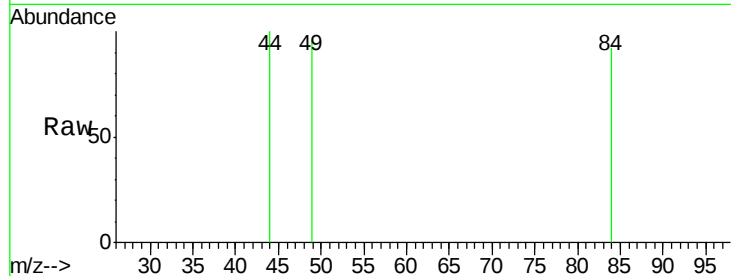
Ion Ratio Lower Upper

84 100

49 104.1 106.6 160.0#

51 0.0 31.9 47.9#

86 0.0 50.8 76.2#



#25

2-Butanone

Concen: 0.26 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VN059888.D

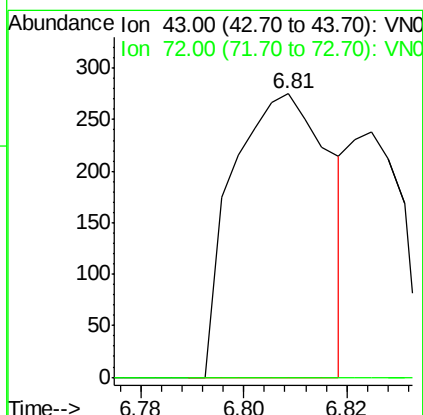
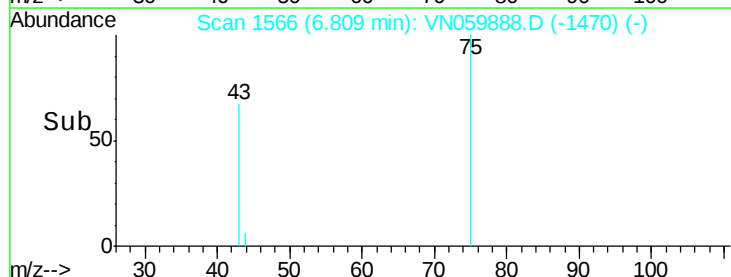
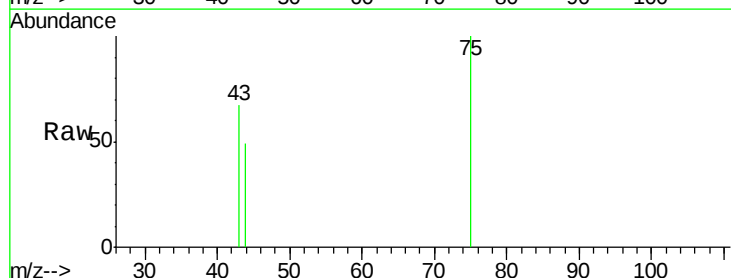
Acq: 28 Jan 2020 11:06

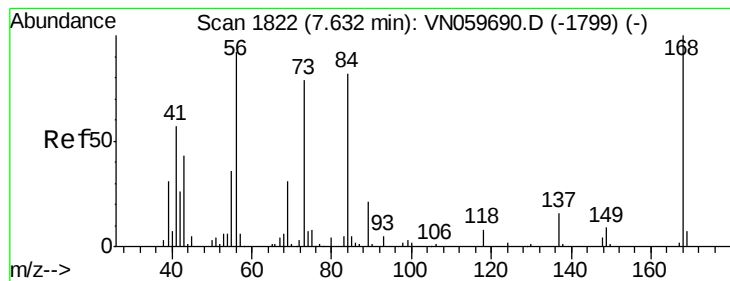
Tgt Ion: 43 Resp: 360

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#





#31

Cyclohexane

Concen: 1.21 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059888.D

Acq: 28 Jan 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBL01

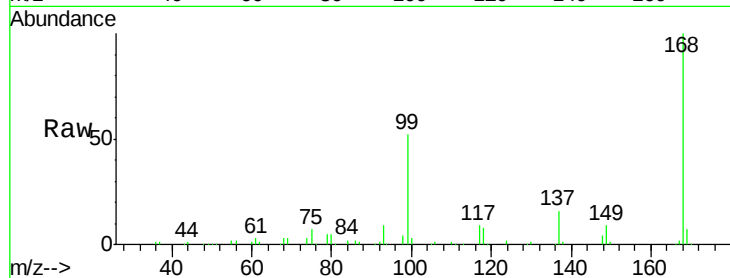
Tgt Ion: 56 Resp: 4403

Ion Ratio Lower Upper

56 100

69 178.4 26.5 39.7#

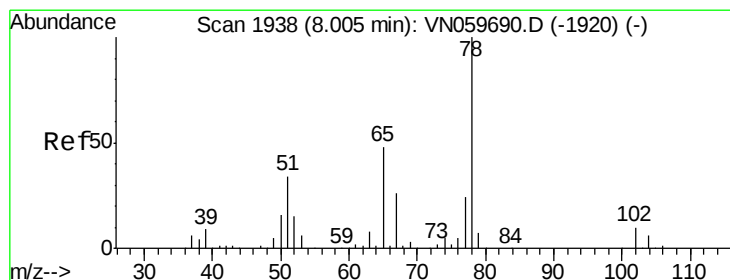
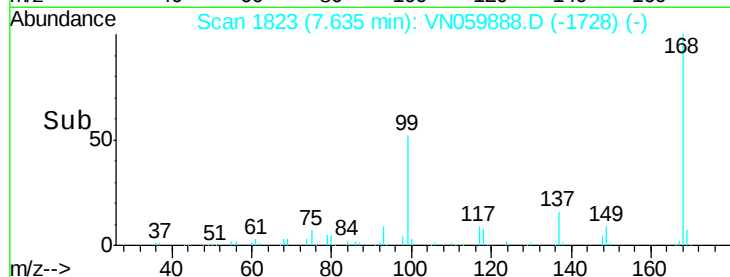
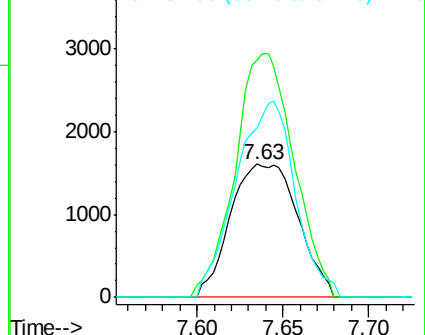
84 127.2 65.3 97.9#



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: 47.29 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059888.D

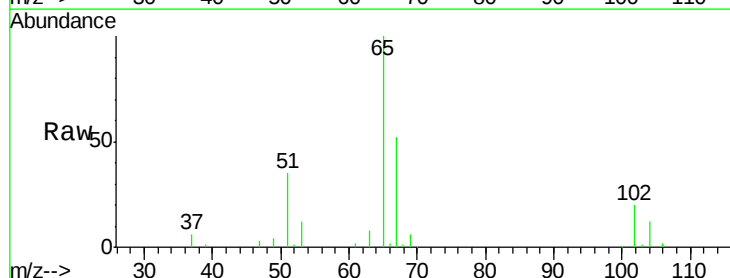
Acq: 28 Jan 2020 11:06

Tgt Ion: 65 Resp: 115968

Ion Ratio Lower Upper

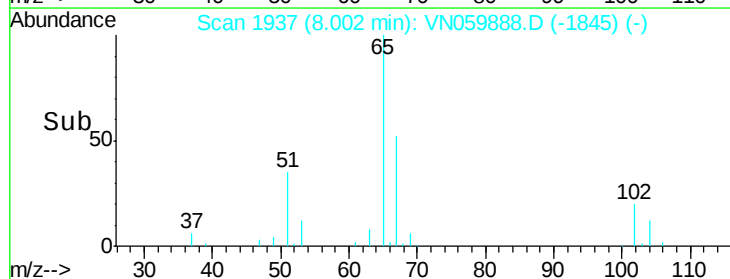
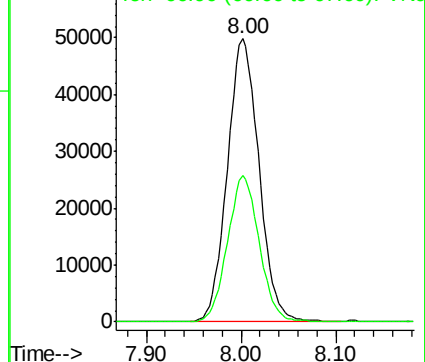
65 100

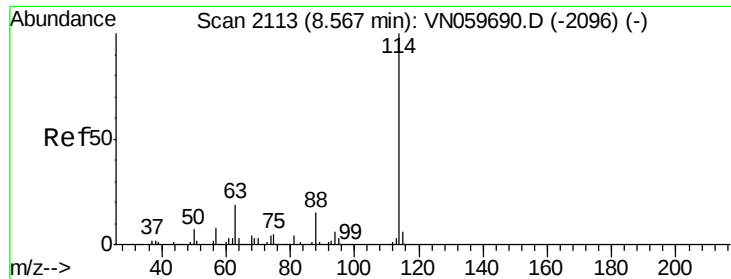
67 51.5 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

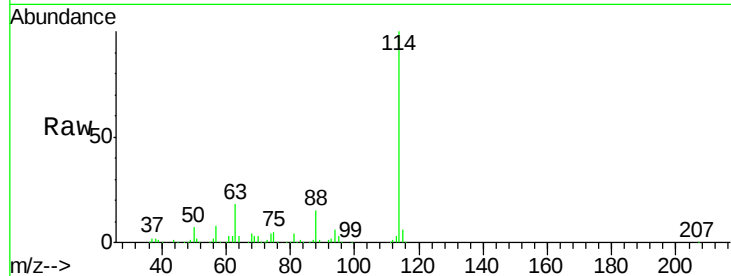




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059888.D
 Acq: 28 Jan 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBL01

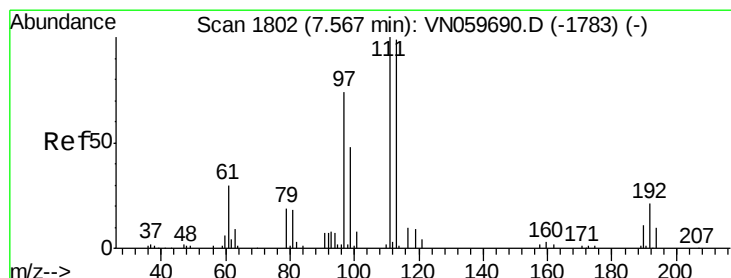
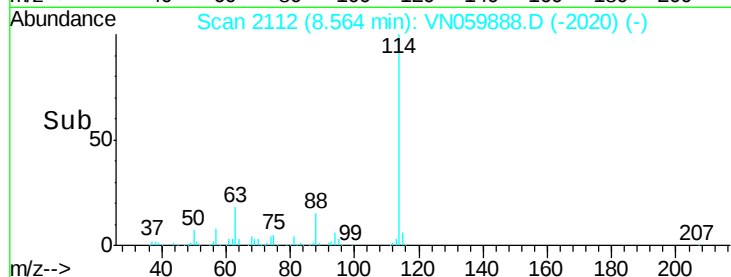
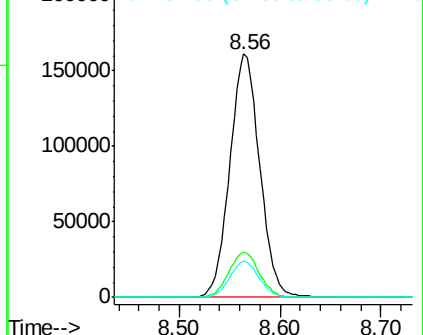
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	43.6
88	14.7	0.0	31.4



Abundance Ion 113.90 (113.60 to 114.60): V

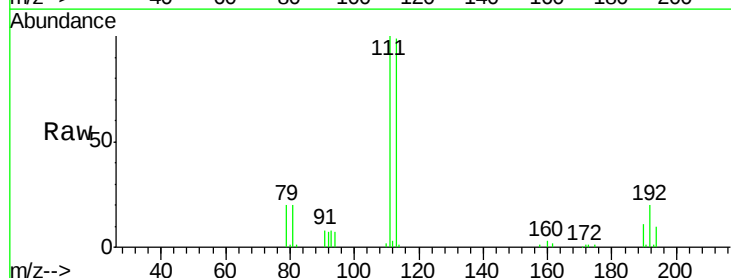
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35
 Dibromofluoromethane
 Concen: 50.34 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059888.D
 Acq: 28 Jan 2020 11:06

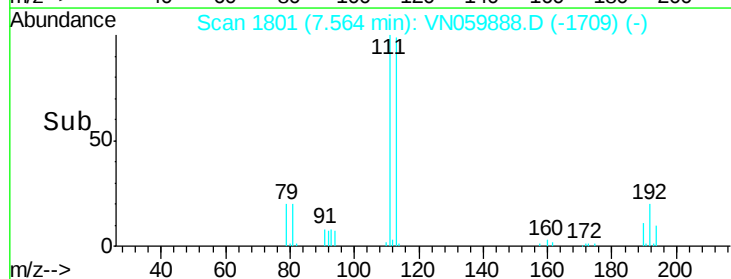
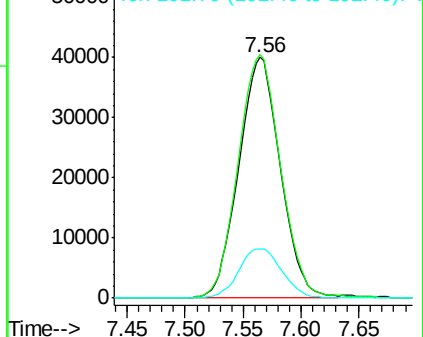
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.5	125.3
192	21.2	15.4	23.2

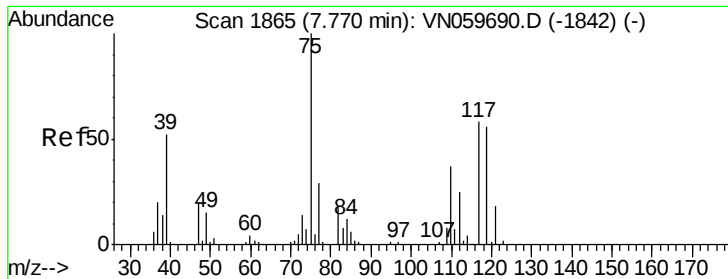


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.18 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN059888.D

Acq: 28 Jan 2020 11:06

Instrument :

MSVOA_N

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VN0128WBL01

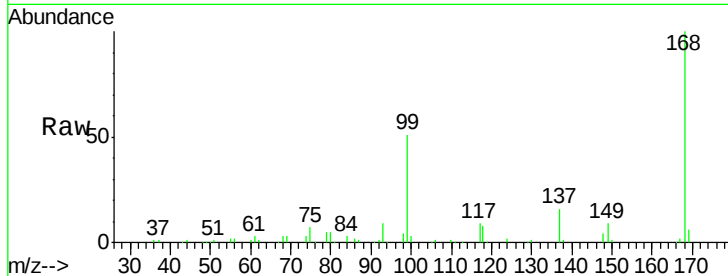
Tgt Ion: 75 Resp: 15004

Ion Ratio Lower Upper

75 100

110 9.5 16.6 49.7#

77 0.0 25.1 37.7#

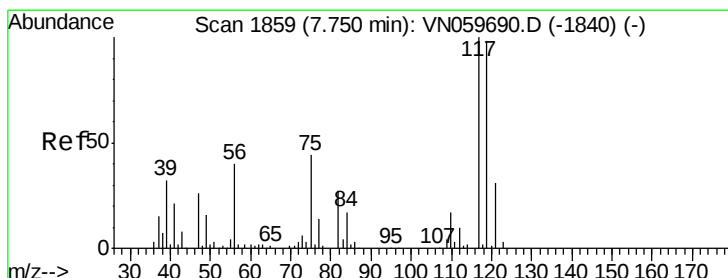
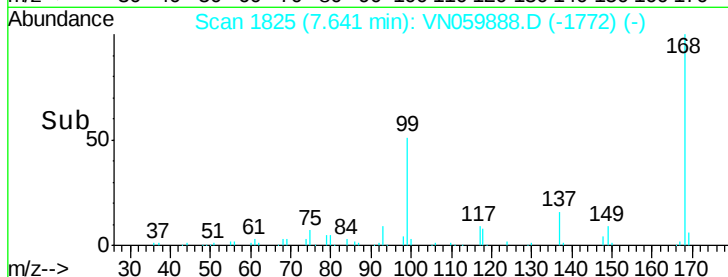


Abundance Ion 74.90 (74.60 to 75.60): VN059690.D (-1842) (-)

Ion 109.90 (109.60 to 110.60): VN059690.D (-1842) (-)

Ion 76.90 (76.60 to 77.60): VN059690.D (-1842) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.52 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059888.D

Acq: 28 Jan 2020 11:06

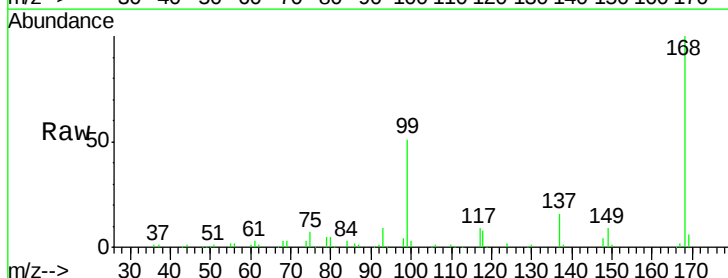
Tgt Ion: 117 Resp: 20537

Ion Ratio Lower Upper

117 100

119 4.2 76.5 114.7#

121 0.0 25.1 37.7#

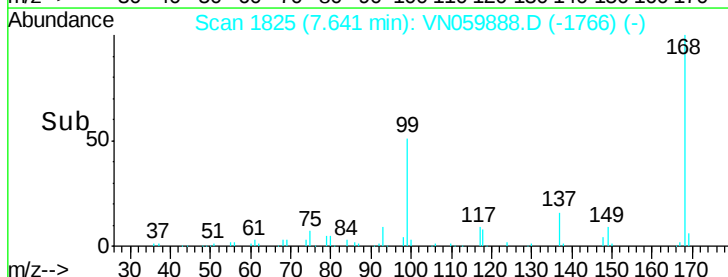


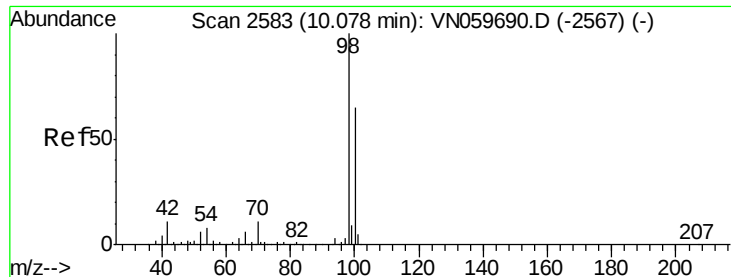
Abundance Ion 116.80 (116.50 to 117.50): VN059690.D (-1840) (-)

Ion 118.80 (118.50 to 119.50): VN059690.D (-1840) (-)

Ion 120.80 (120.50 to 121.50): VN059690.D (-1840) (-)

Time-->





#50

Toluene-d8

Concen: 50.69 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059888.D

Acq: 28 Jan 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

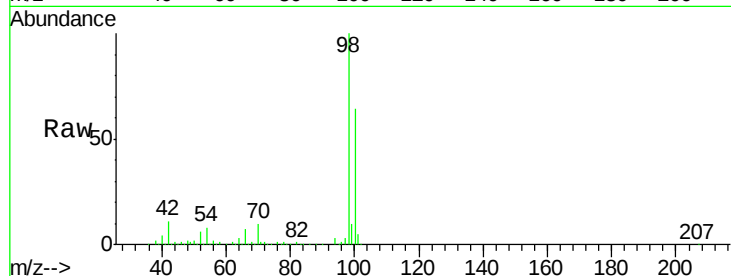
VN0128WBL01

Tgt Ion: 98 Resp: 389489

Ion Ratio Lower Upper

98 100

100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059690.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN059690.D (-2567) (-)

10.08

200000

150000

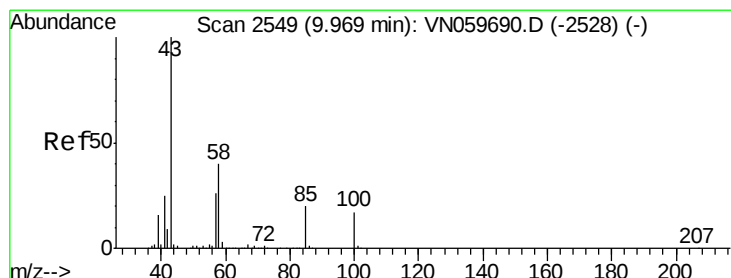
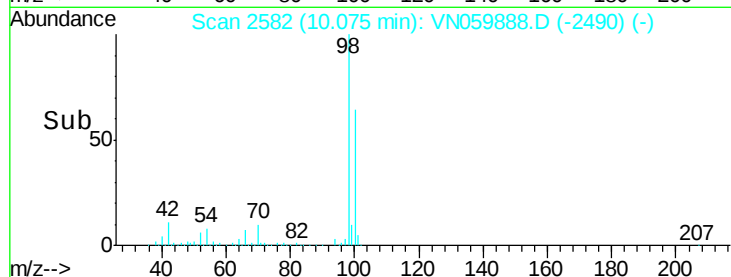
100000

50000

0

10.00 10.10 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.40 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.01 min

Lab File: VN059888.D

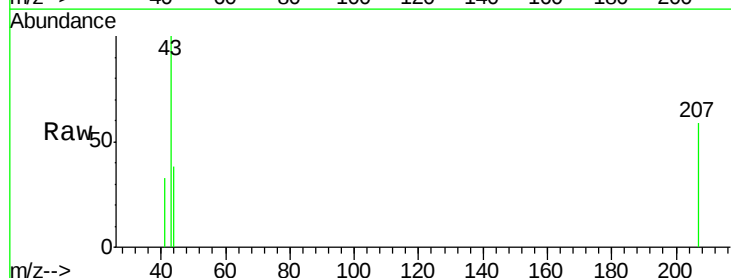
Acq: 28 Jan 2020 11:06

Tgt Ion: 43 Resp: 1080

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-2528) (-)

9.98

500

400

300

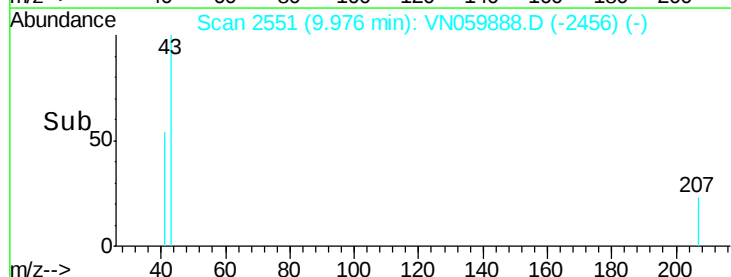
200

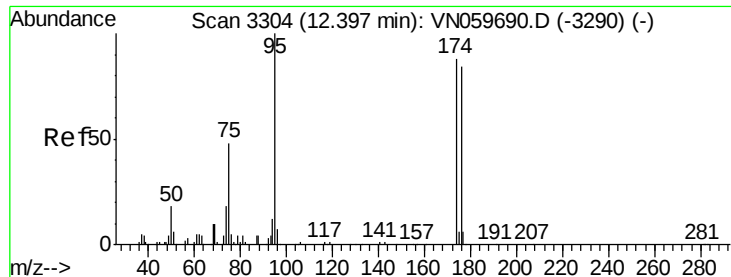
100

0

9.90 9.95 10.00

Time-->

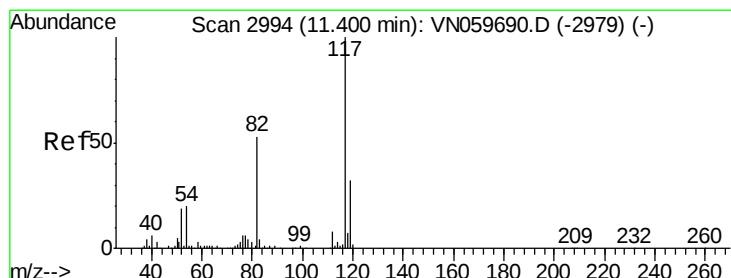
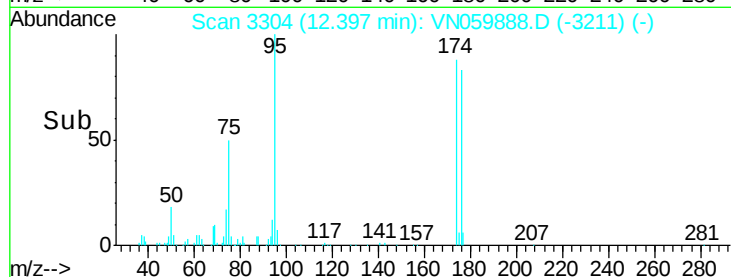
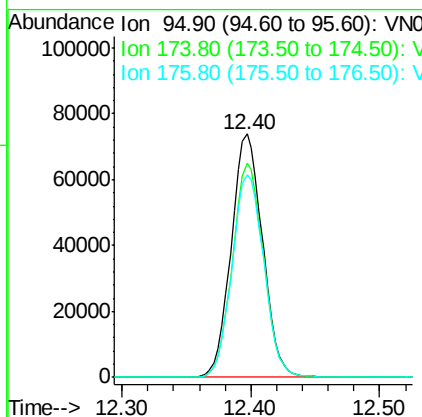
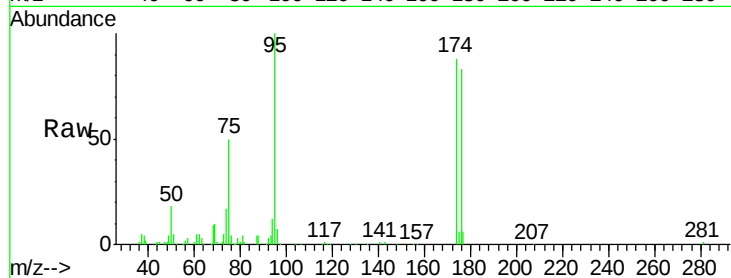




#62
4-Bromofluorobenzene
Concen: 45.00 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059888.D
Acq: 28 Jan 2020 11:06

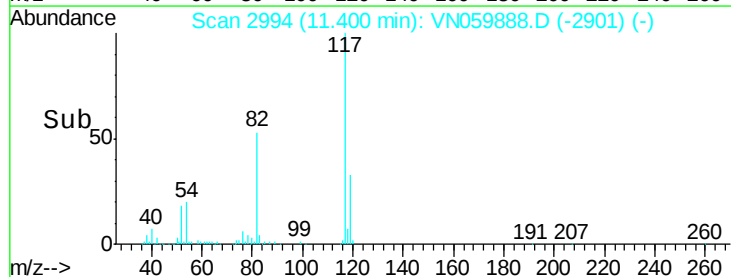
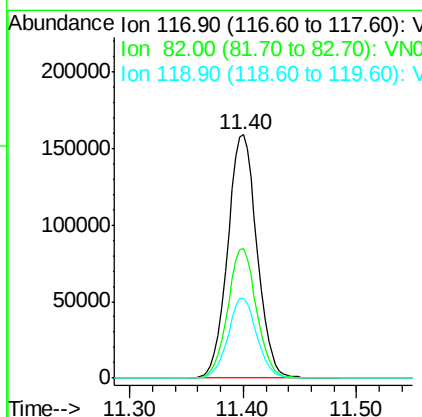
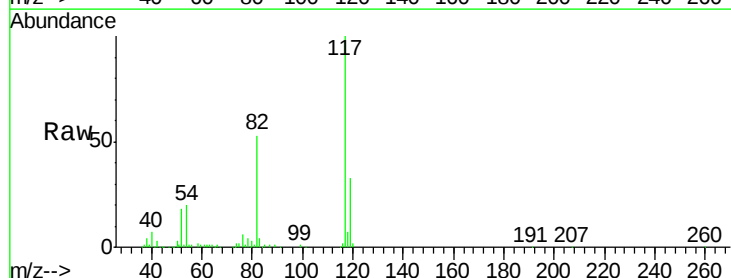
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

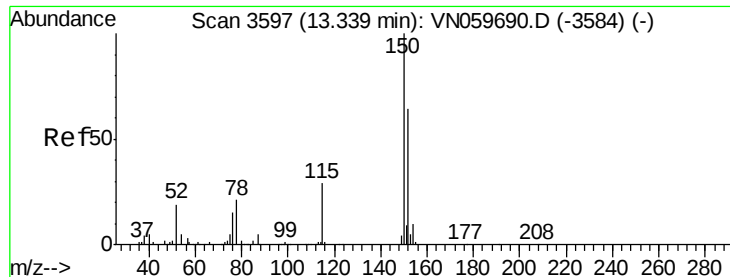
Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.3	0.0	151.4
176	84.9	0.0	146.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059888.D
Acq: 28 Jan 2020 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	45.9	68.9
119	32.9	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059888.D

Acq: 28 Jan 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

VN0128WBL01

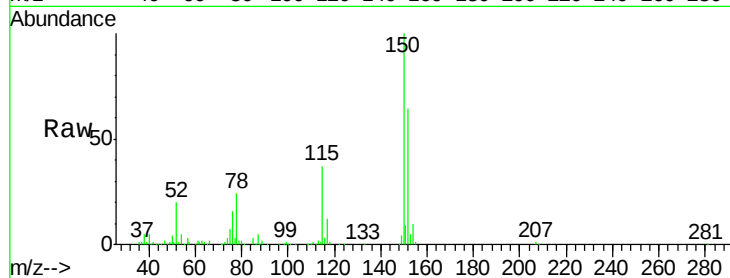
Tgt Ion:152 Resp: 108617

Ion Ratio Lower Upper

152 100

115 57.9 30.3 90.9

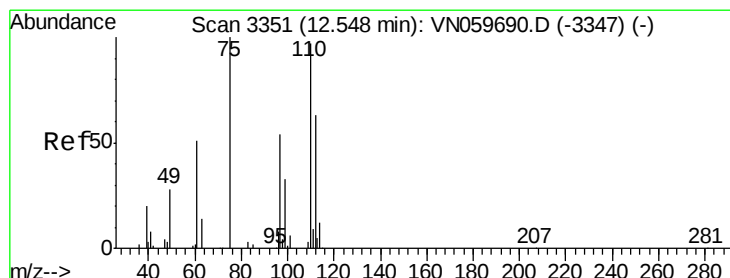
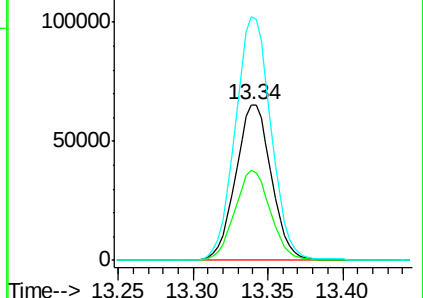
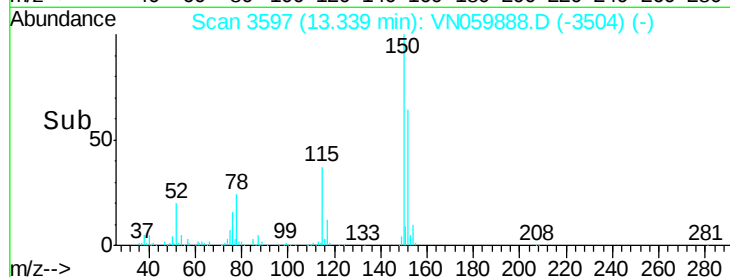
150 156.4 0.0 345.2



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: 33.78 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059888.D

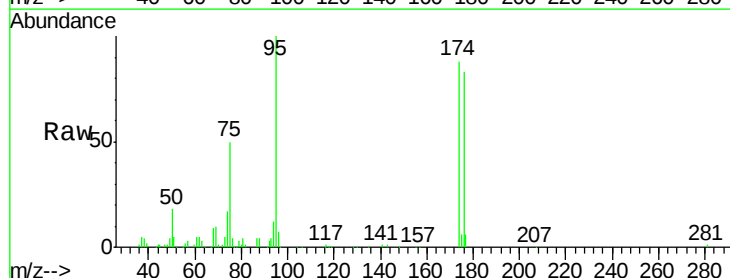
Acq: 28 Jan 2020 11:06

Tgt Ion: 75 Resp: 61753

Ion Ratio Lower Upper

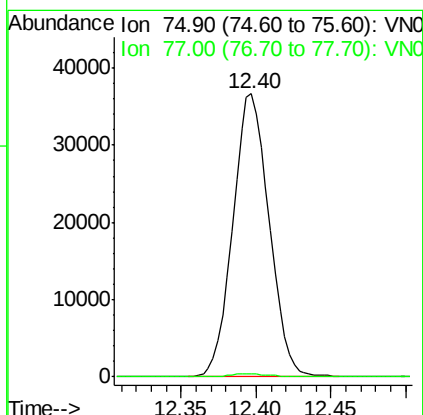
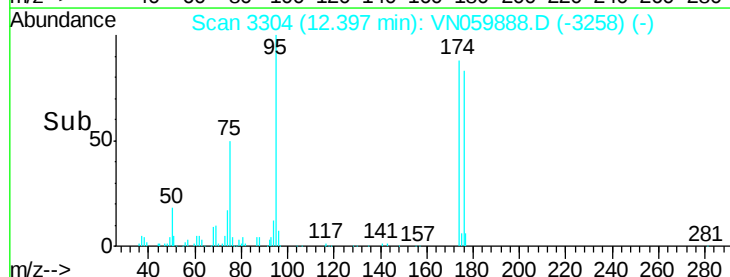
75 100

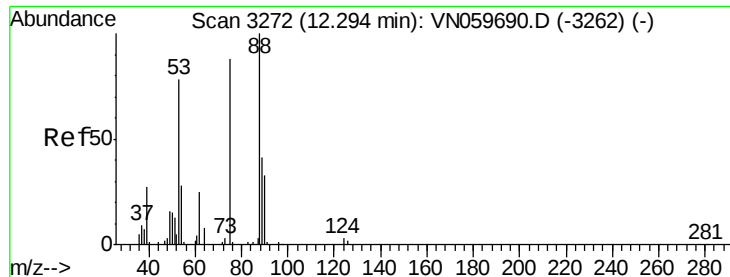
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 72.55 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059888.D

Acq: 28 Jan 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBL01

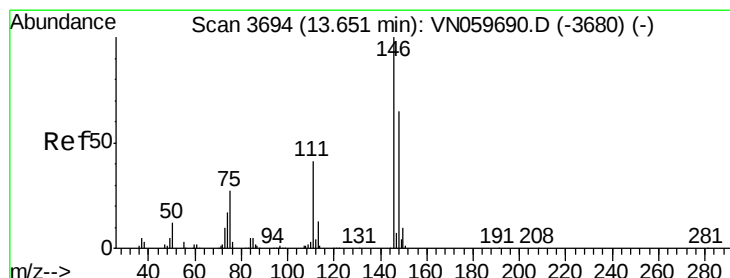
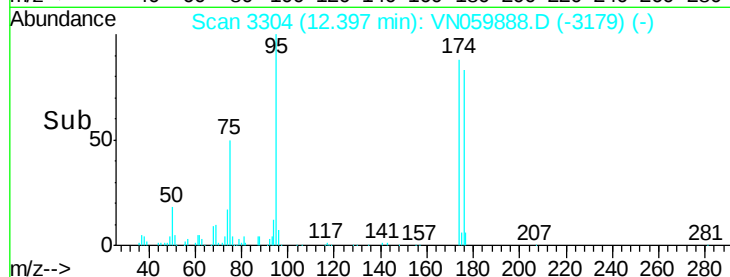
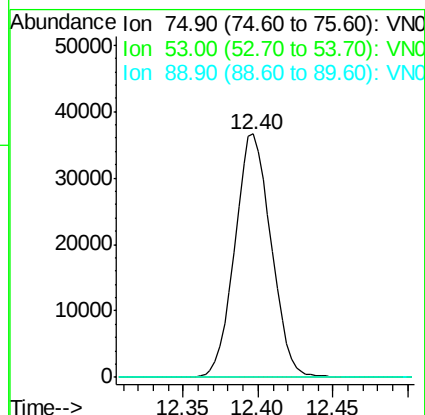
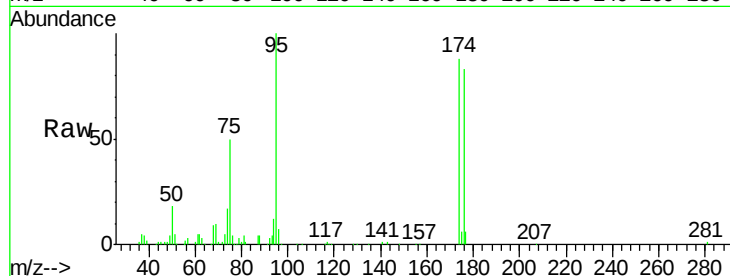
Tgt Ion: 75 Resp: 61753

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#



#91

1,2-Dichlorobenzene

Concen: 0.20 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.01 min

Lab File: VN059888.D

Acq: 28 Jan 2020 11:06

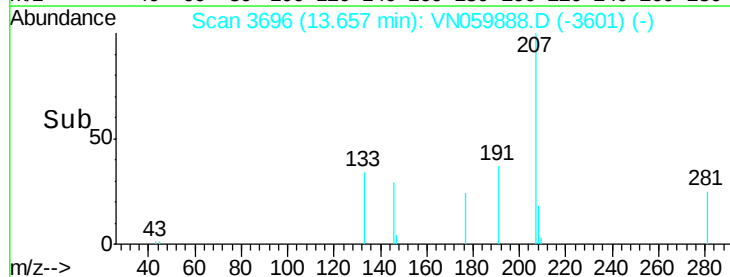
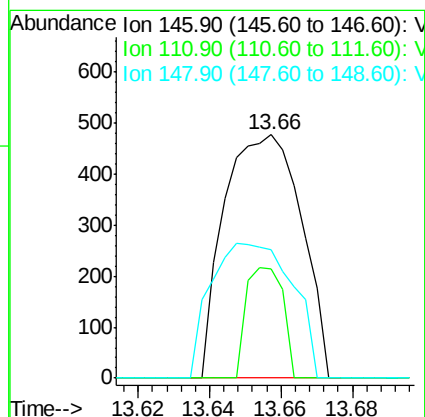
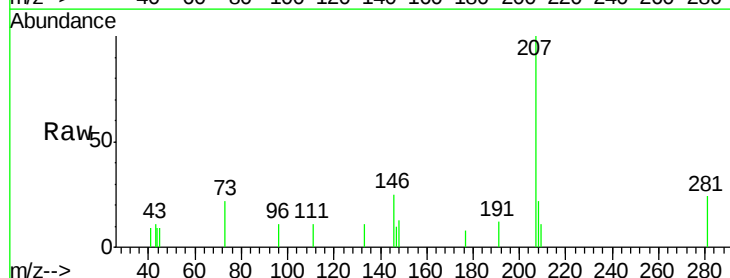
Tgt Ion: 146 Resp: 710

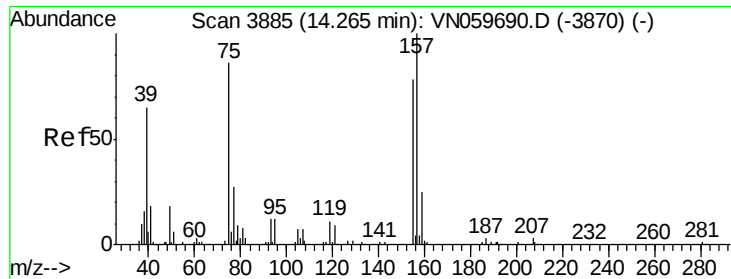
Ion Ratio Lower Upper

146 100

111 21.7 21.6 64.8

148 58.7 31.6 95.0





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.31 min Scan# 3898

Delta R.T. 0.04 min

Lab File: VN059888.D

Acq: 28 Jan 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBL01

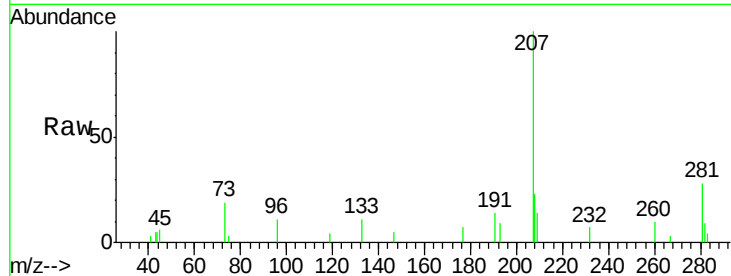
Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#



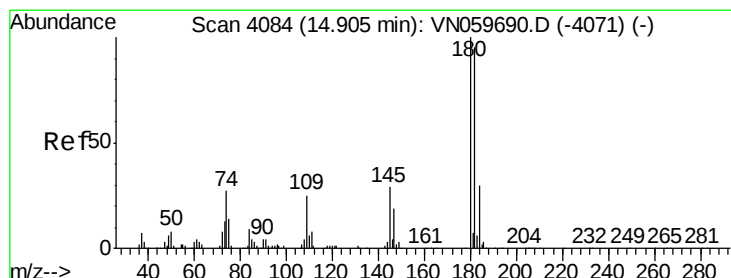
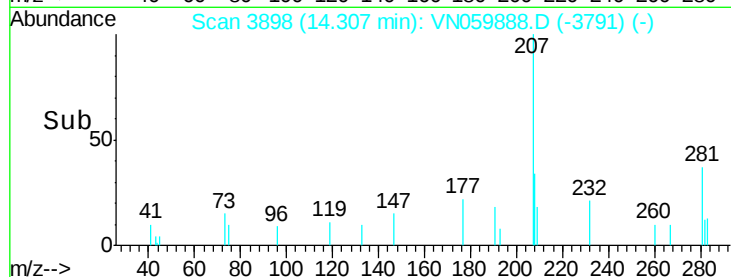
Abundance Ion 74.90 (74.60 to 75.60): VN059690.D (-3870) (-)

Ion 154.80 (154.50 to 155.50): VN059690.D (-3870) (-)

Ion 156.80 (156.50 to 157.50): VN059690.D (-3870) (-)

14.31

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.81 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN059888.D

Acq: 28 Jan 2020 11:06

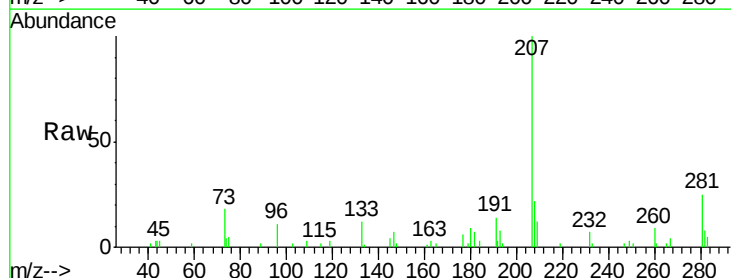
Tgt Ion: 180 Resp: 1679

Ion Ratio Lower Upper

180 100

182 80.2 46.9 140.7

145 31.2 15.0 45.1



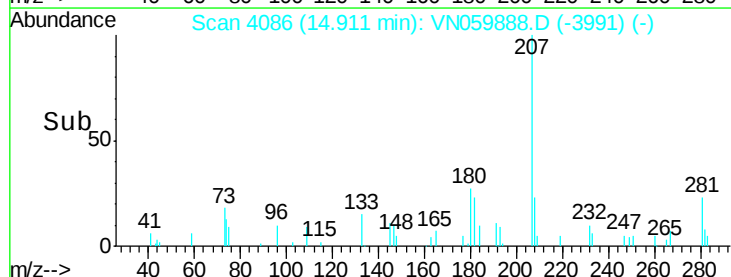
Abundance Ion 179.80 (179.50 to 180.50): VN059690.D (-4071) (-)

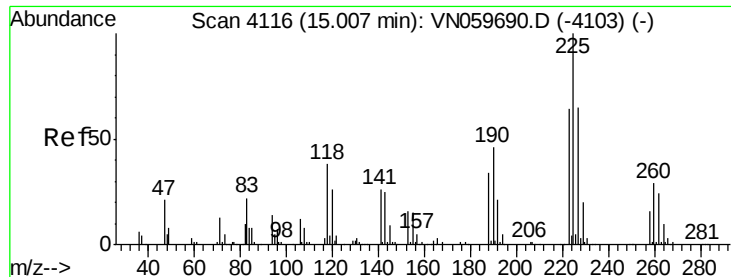
Ion 181.80 (181.50 to 182.50): VN059690.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN059690.D (-4071) (-)

14.91

Time-->





#94

Hexachlorobutadiene

Concen: 0.38 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059888.D

Acq: 28 Jan 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBL01

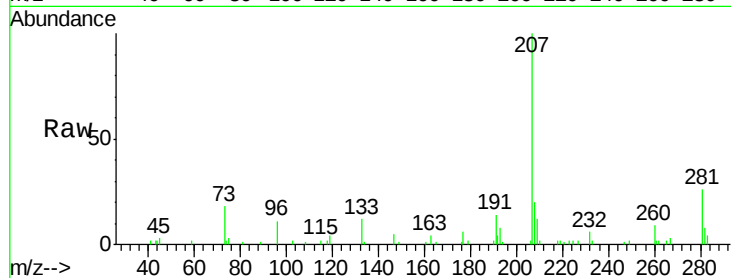
Tgt Ion:225 Resp: 433

Ion Ratio Lower Upper

225 100

223 55.2 31.8 95.3

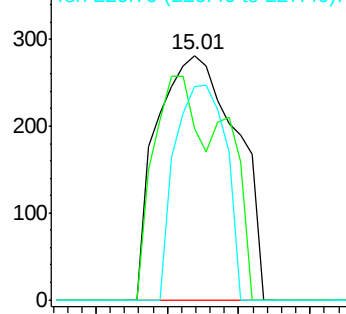
227 56.1 32.1 96.5



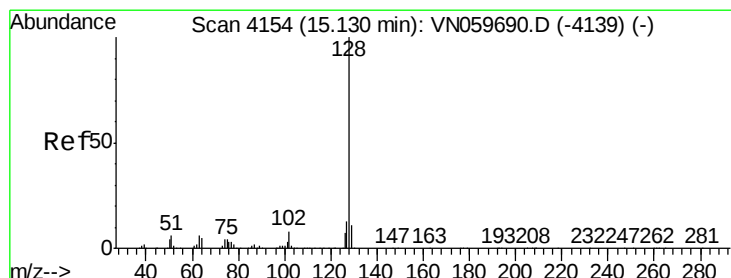
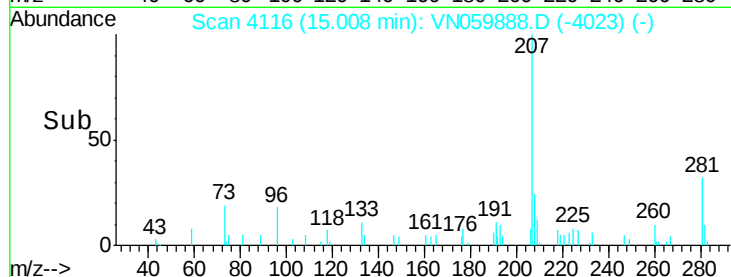
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time--> 14.98 15.00 15.02 15.04



#95

Naphthalene

Concen: 1.15 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059888.D

Acq: 28 Jan 2020 11:06

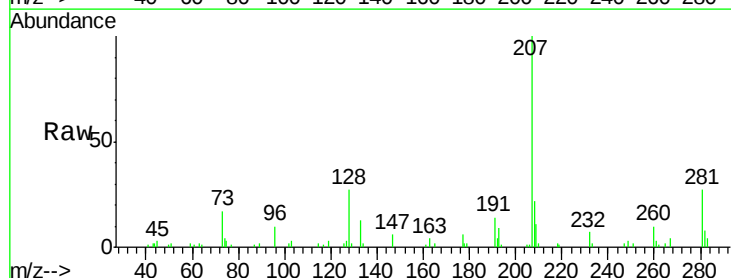
Tgt Ion:128 Resp: 6788

Ion Ratio Lower Upper

128 100

127 11.2 10.4 15.6

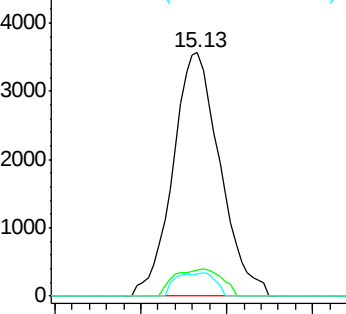
129 7.9 8.6 12.8#



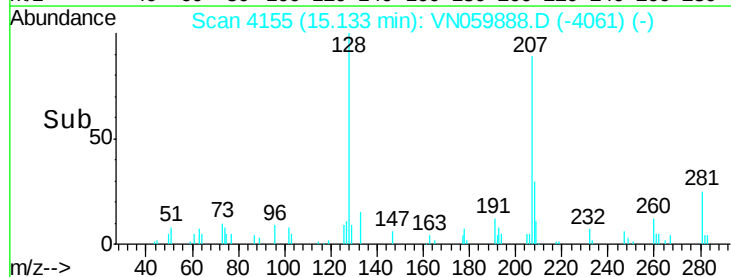
Abundance Ion 128.00 (127.70 to 128.70): V

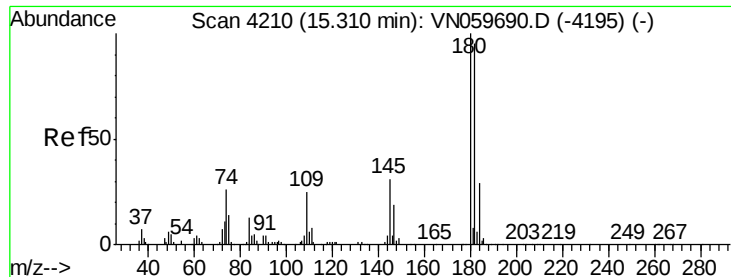
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.05 15.10 15.15 15.20





#96
 1,2,3-Trichlorobenzene
 Concen: 1.32 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN059888.D
 Acq: 28 Jan 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBL01

Tgt Ion:180 Resp: 2672
 Ion Ratio Lower Upper
 180 100
 182 90.3 47.4 142.3
 145 33.6 16.3 48.9

