

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012820\
 Data File : VN059889.D
 Acq On : 28 Jan 2020 11:29
 Operator : JC/MD
 Sample : VN0128MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128MBL01

Quant Time: Jan 28 12:39:21 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	211494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	317647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	275891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	112345	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	111717	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
35) Dibromofluoromethane	7.56	113	94930	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.08	98	368807	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	122760	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	

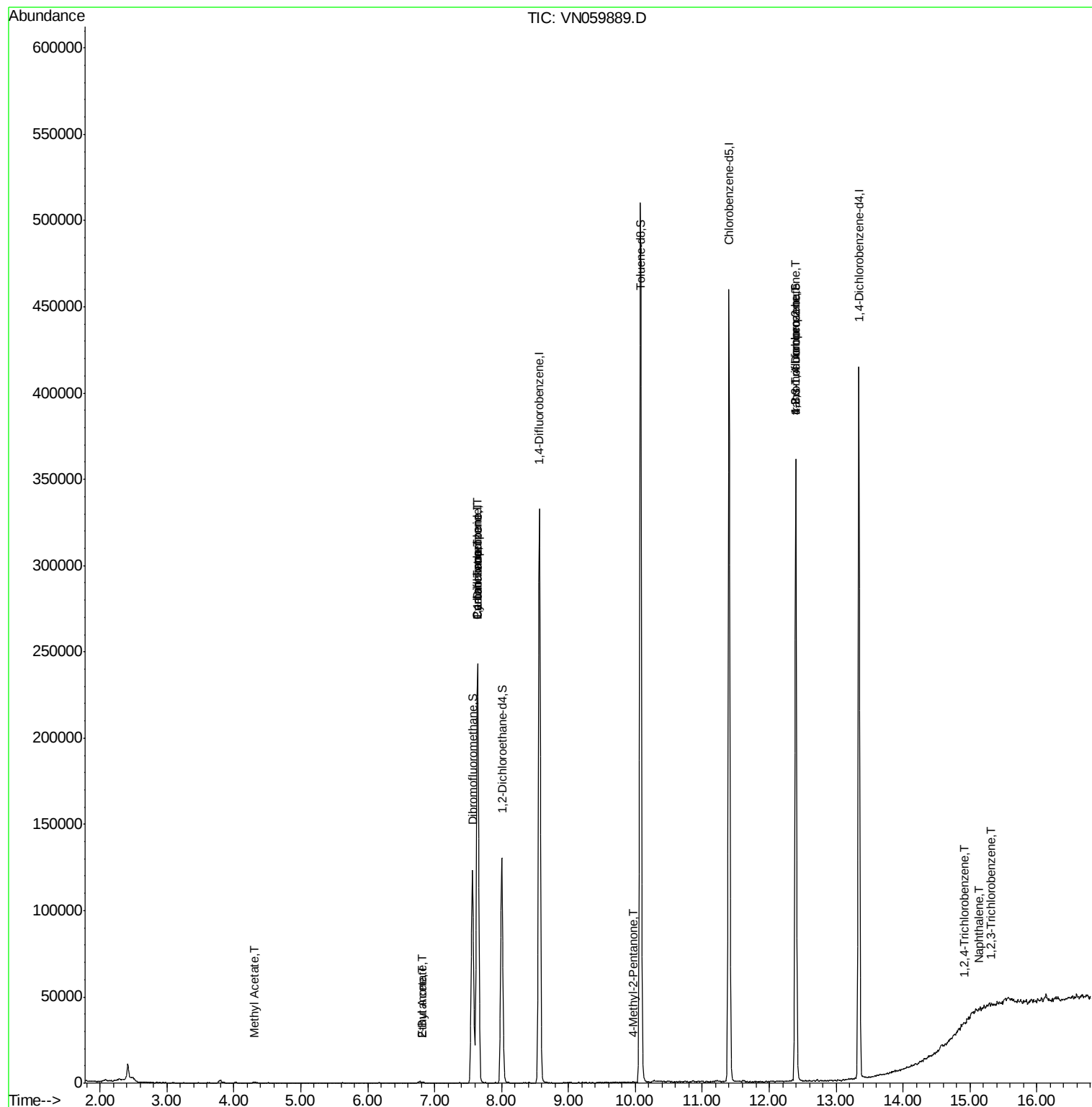
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3206	Below Cal		94
18) Methyl Acetate	4.30	43	1144	0.42	ug/l #	54
25) 2-Butanone	6.82	43	533	0.40	ug/l #	50
31) Cyclohexane	7.64	56	4064	1.17	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13972	5.05	ug/l #	50
37) Ethyl Acetate	6.82	43	533	0.21	ug/l #	69
38) Carbon Tetrachloride	7.64	117	19010	6.32	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	682	0.26	ug/l #	38
76) 1,2,3-Trichloropropane	12.40	75	59771	31.61	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	59771	67.89	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.37	75	67	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	477	0.22	ug/l #	54
95) Naphthalene	15.13	128	1747	0.29	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	612	0.29	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN012820\
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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: VN059889.D

Acq: 28 Jan 2020 11:29

Instrument :

MSVOA_N

ClientSampled :

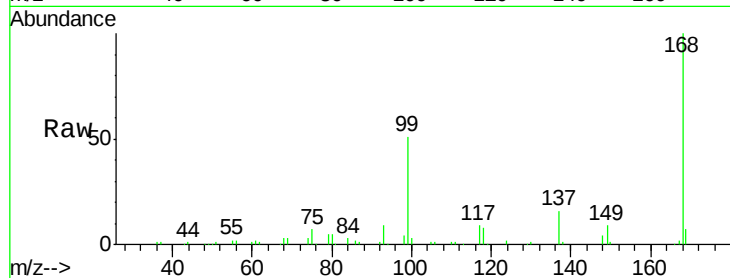
VN0128MBL01

Tgt Ion:168 Resp: 211494

Ion Ratio Lower Upper

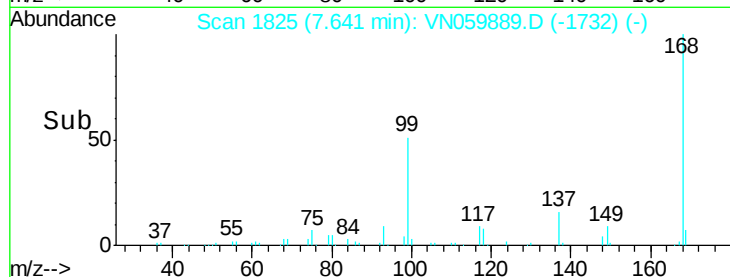
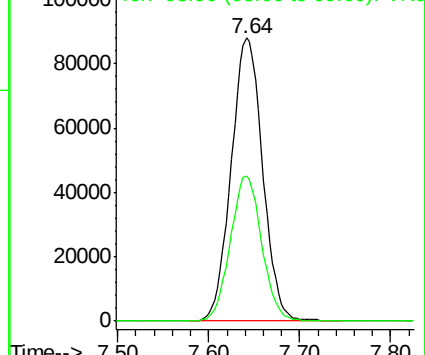
168 100

99 51.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059889.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059889.D (-1732) (-)



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059889.D

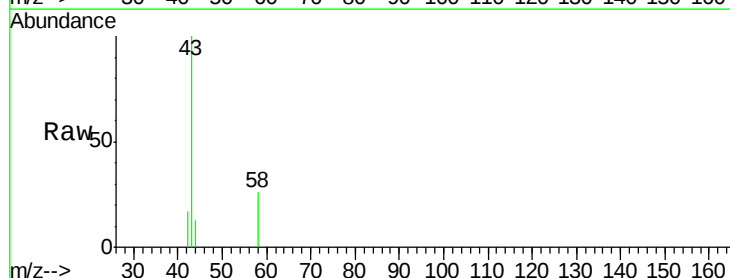
Acq: 28 Jan 2020 11:29

Tgt Ion: 43 Resp: 3206

Ion Ratio Lower Upper

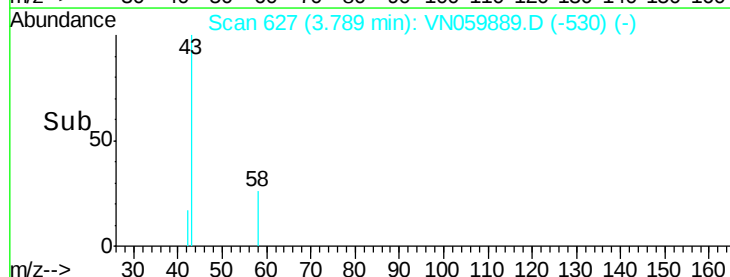
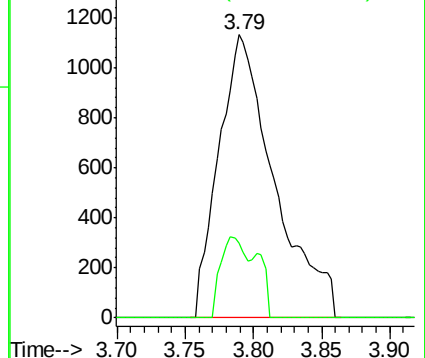
43 100

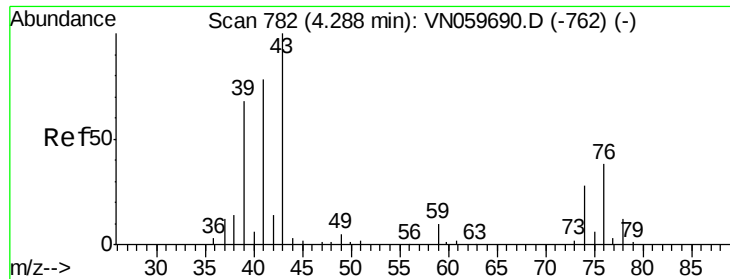
58 26.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059889.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059889.D (-530) (-)

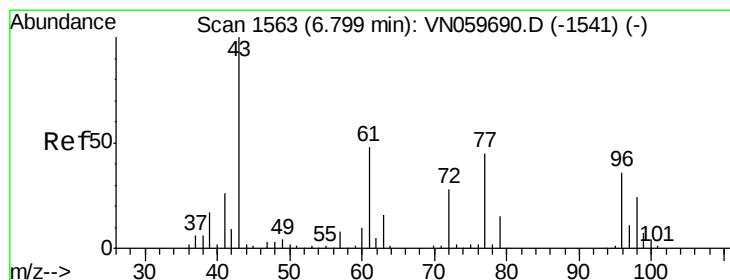
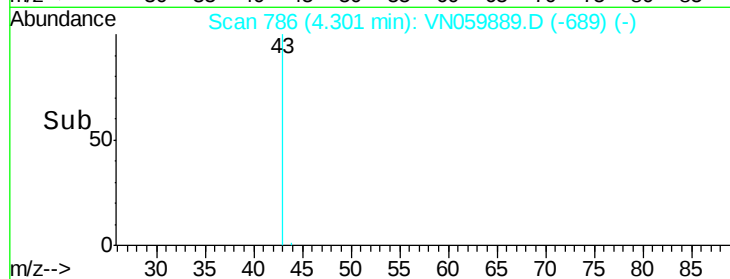
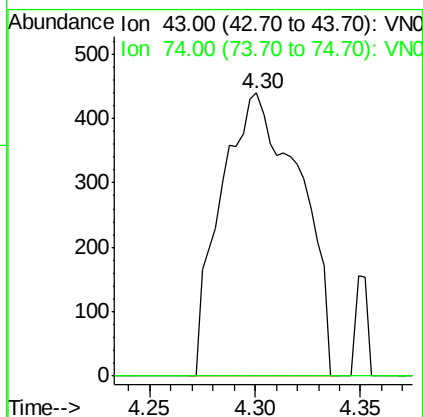
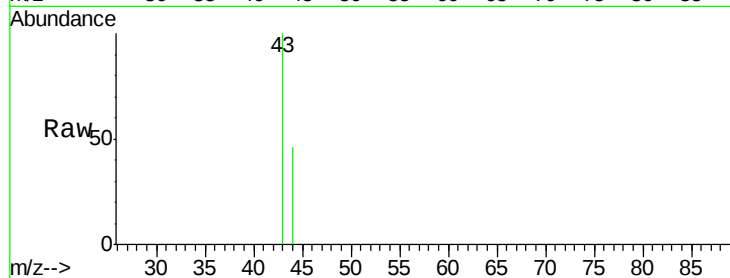




#18
Methyl Acetate
Concen: 0.42 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059889.D
Acq: 28 Jan 2020 11:29

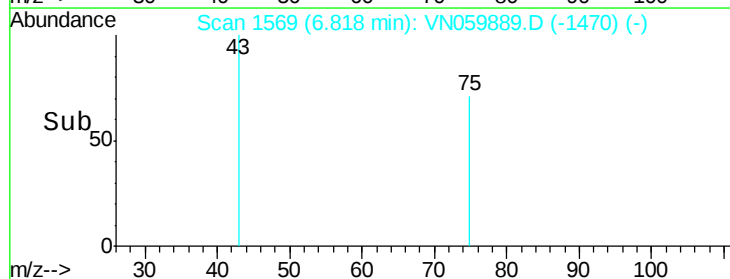
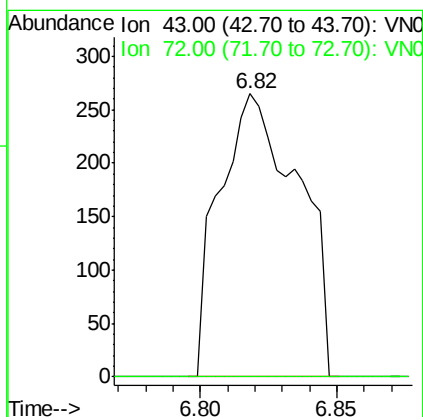
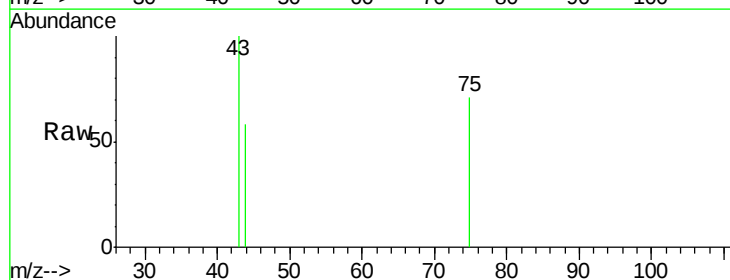
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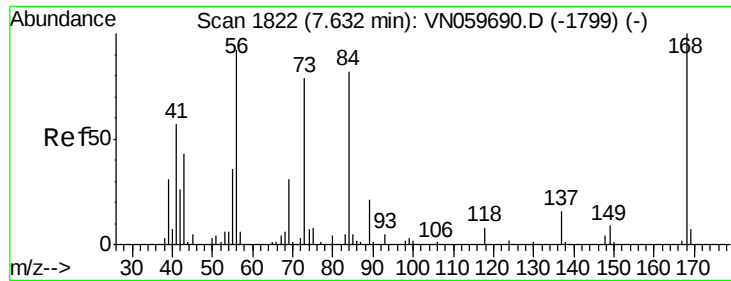
Tgt Ion: 43 Resp: 1144
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#25
2-Butanone
Concen: 0.40 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN059889.D
Acq: 28 Jan 2020 11:29

Tgt Ion: 43 Resp: 533
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#

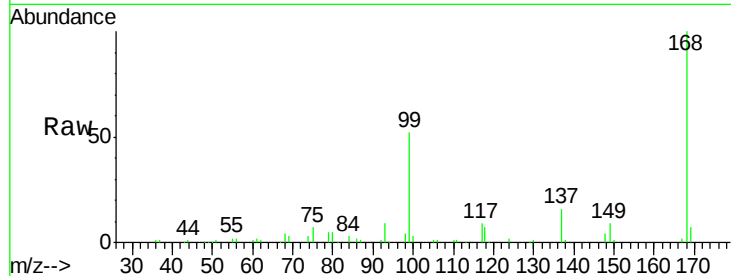




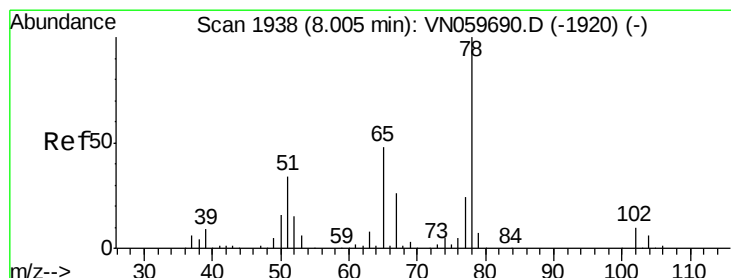
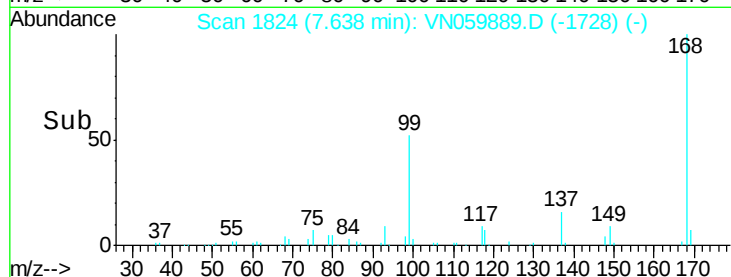
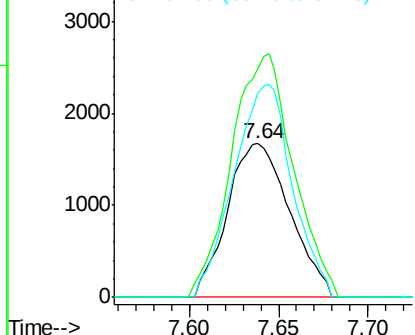
#31
Cyclohexane
Concen: 1.17 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059889.D
Acq: 28 Jan 2020 11:29

Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

Tgt Ion: 56 Resp: 4064
Ion Ratio Lower Upper
56 100
69 148.7 26.5 39.7#
84 132.4 65.3 97.9#

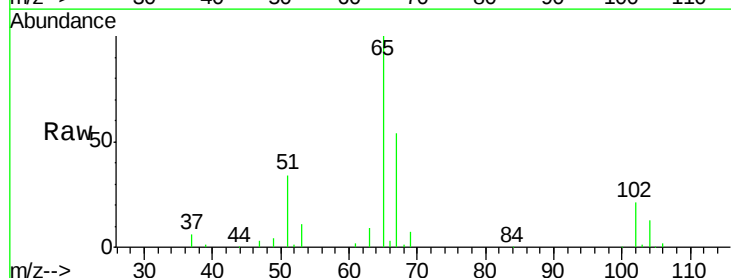


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

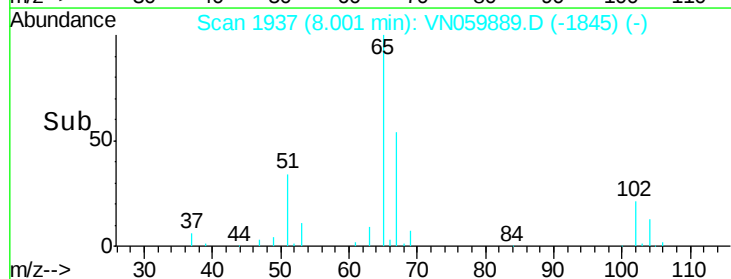
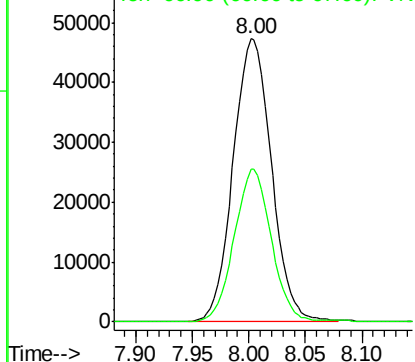


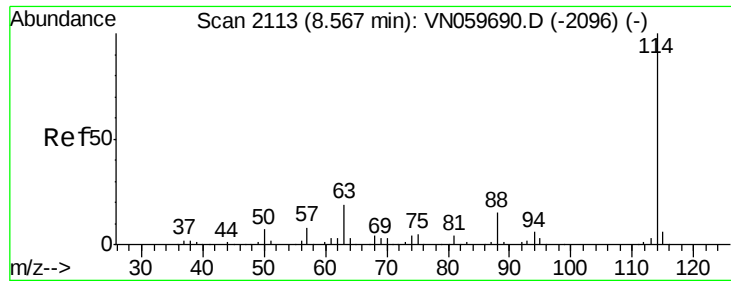
#33
1,2-Dichloroethane-d4
Concen: 47.57 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN059889.D
Acq: 28 Jan 2020 11:29

Tgt Ion: 65 Resp: 111717
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.0



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

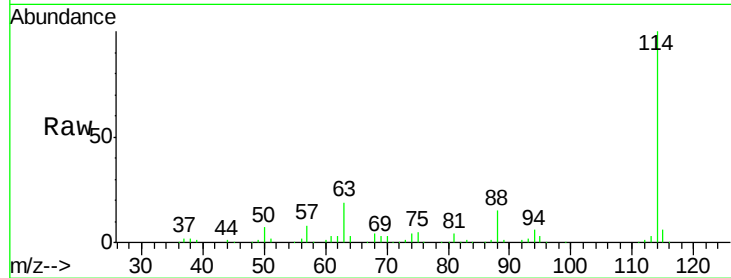




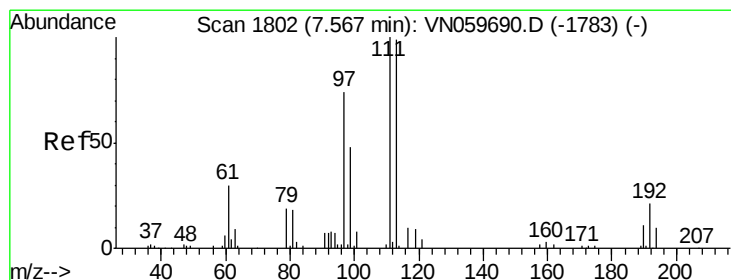
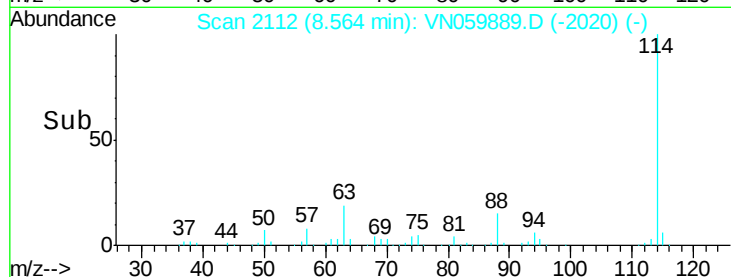
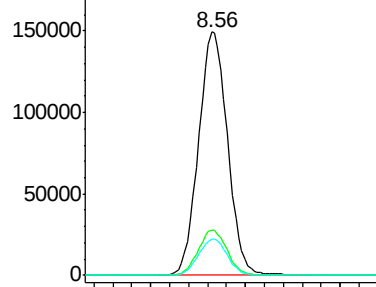
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.56 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VN059889.D
Acq: 28 Jan 2020 11:29

Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

Tgt Ion:114 Resp: 317647
Ion Ratio Lower Upper
114 100
63 18.8 0.0 43.6
88 14.9 0.0 31.4

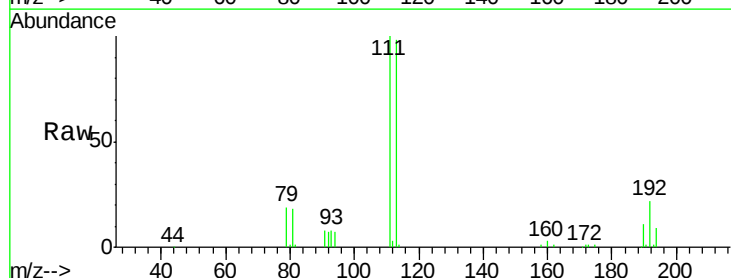


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

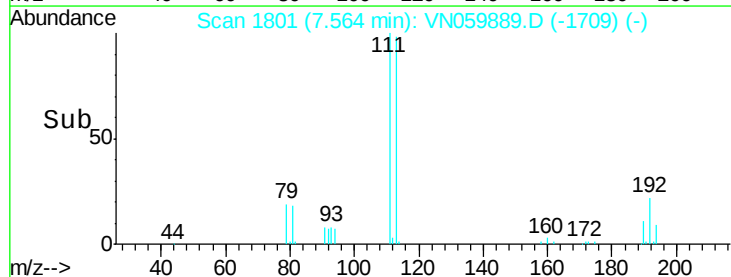
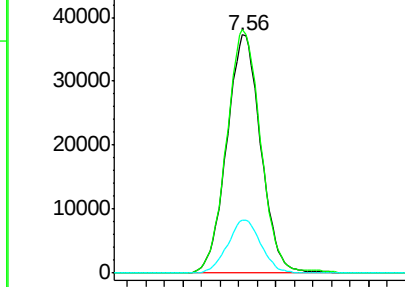


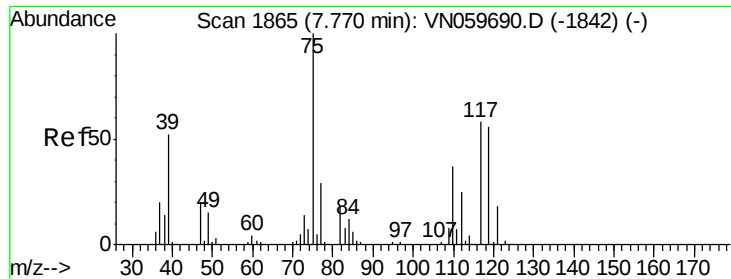
#35
Dibromofluoromethane
Concen: 50.11 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059889.D
Acq: 28 Jan 2020 11:29

Tgt Ion:113 Resp: 94930
Ion Ratio Lower Upper
113 100
111 101.7 83.5 125.3
192 21.7 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

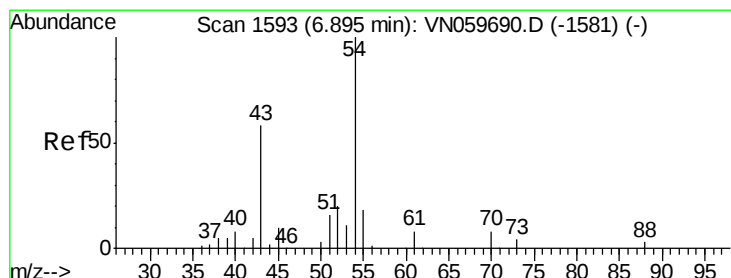
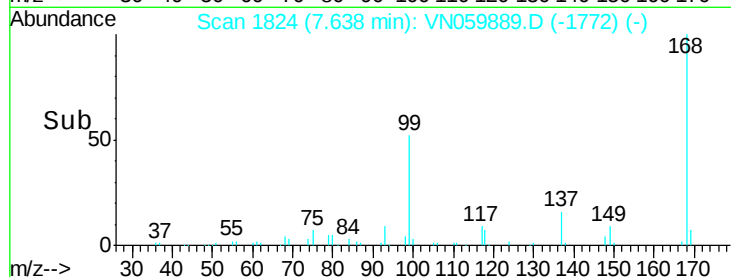
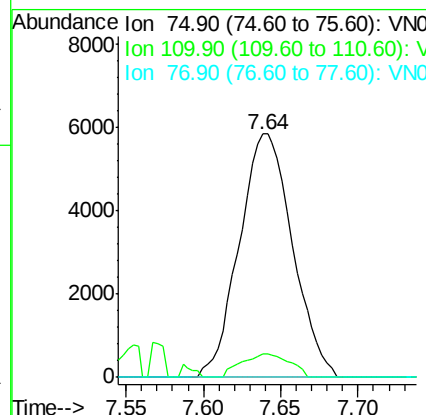
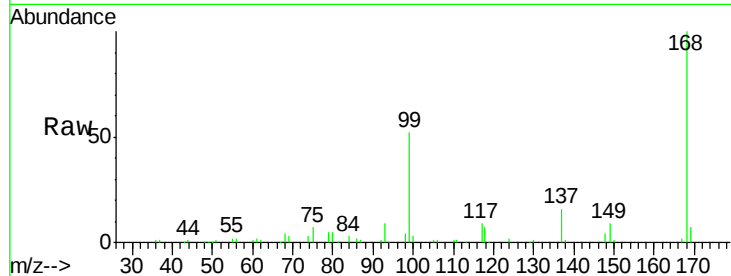




#36
 1,1-Dichloropropene
 Concen: 5.05 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN059889.D
 Acq: 28 Jan 2020 11:29

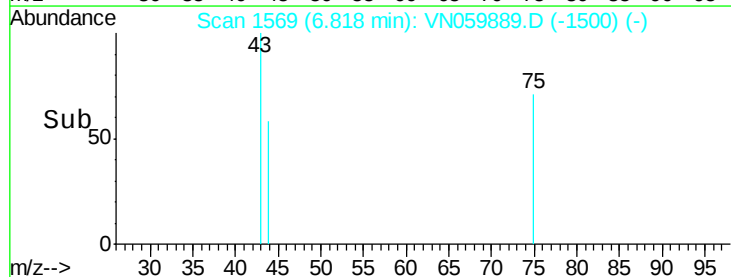
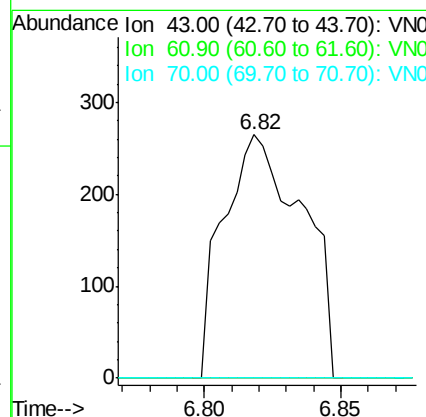
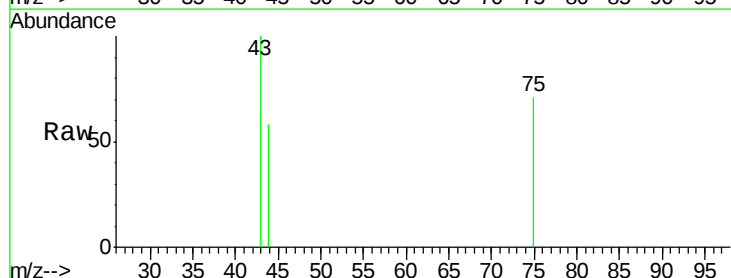
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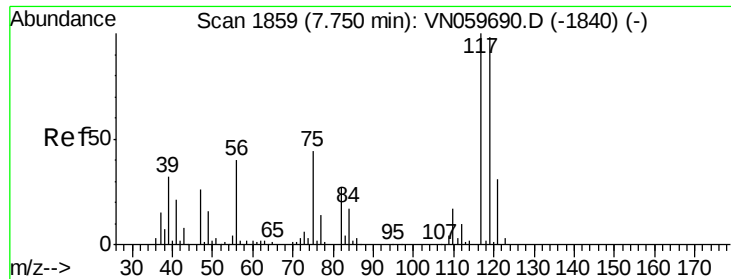
Tgt Ion: 75 Resp: 13972
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.6 49.7#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 0.21 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.08 min
 Lab File: VN059889.D
 Acq: 28 Jan 2020 11:29

Tgt Ion: 43 Resp: 533
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 6.32 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059889.D

Acq: 28 Jan 2020 11:29

Instrument :

MSVOA_N

ClientSampled :

VN0128MBL01

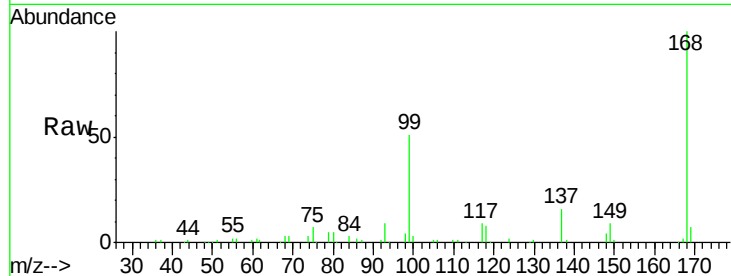
Tgt Ion:117 Resp: 19010

Ion Ratio Lower Upper

117 100

119 4.3 76.5 114.7#

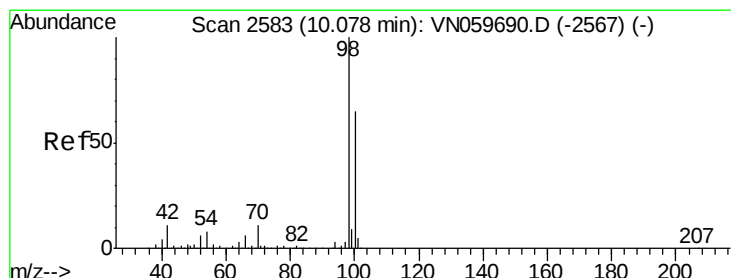
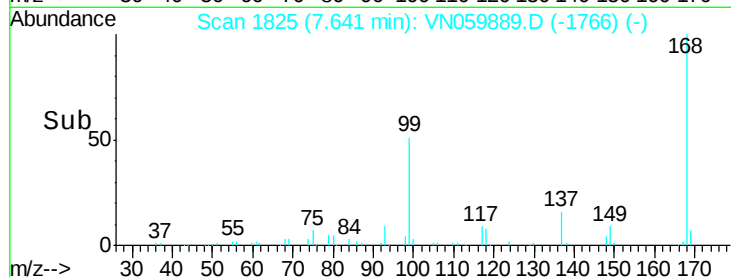
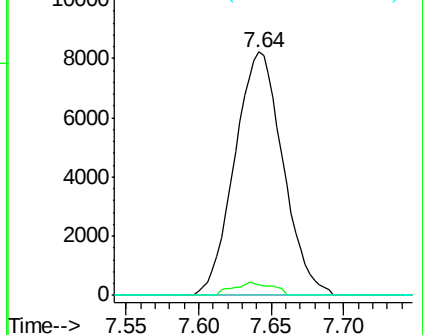
121 0.0 25.1 37.7#



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: 50.25 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059889.D

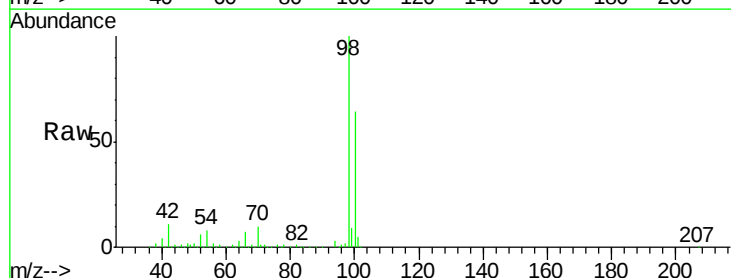
Acq: 28 Jan 2020 11:29

Tgt Ion: 98 Resp: 368807

Ion Ratio Lower Upper

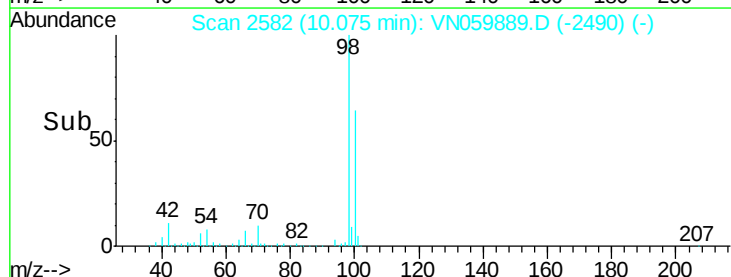
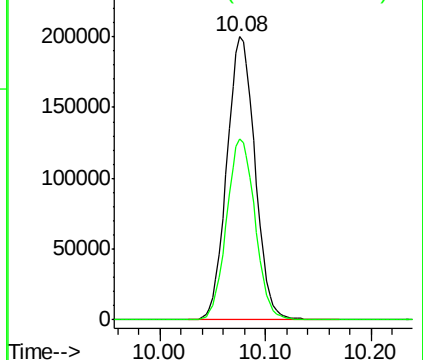
98 100

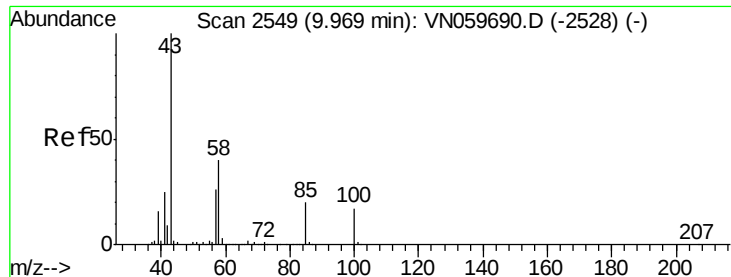
100 64.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

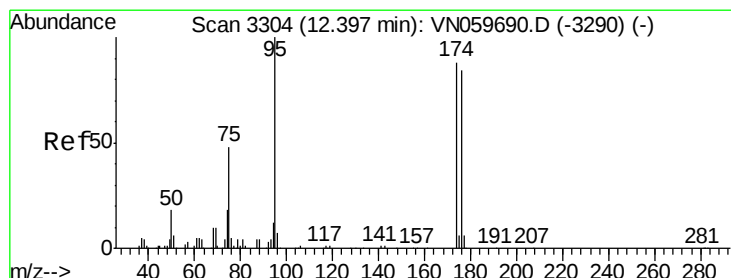
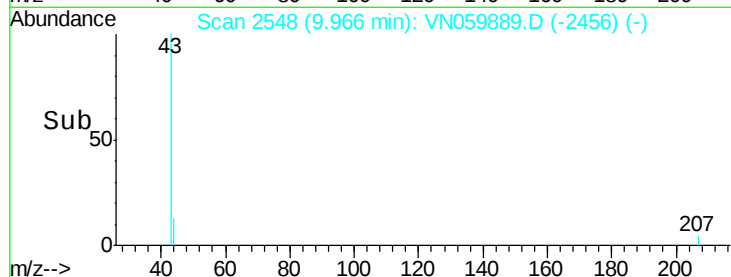
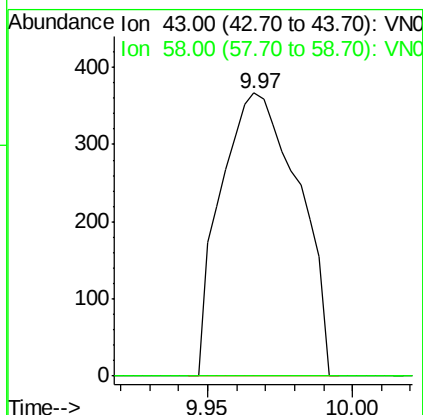
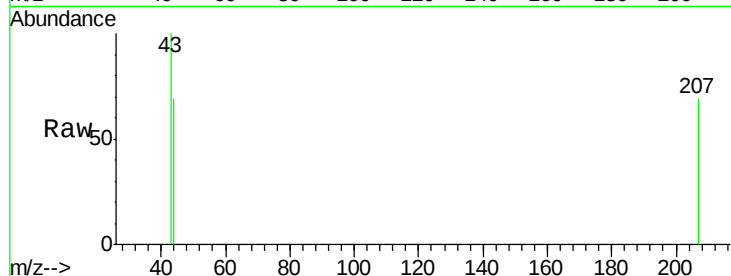




#51
 4-Methyl-2-Pentanone
 Concen: 0.26 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN059889.D
 Acq: 28 Jan 2020 11:29

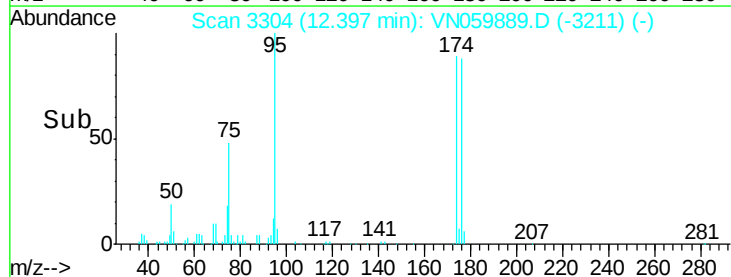
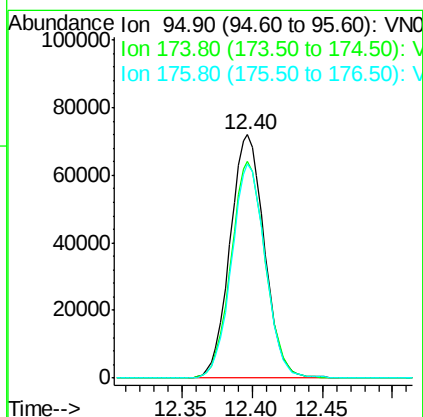
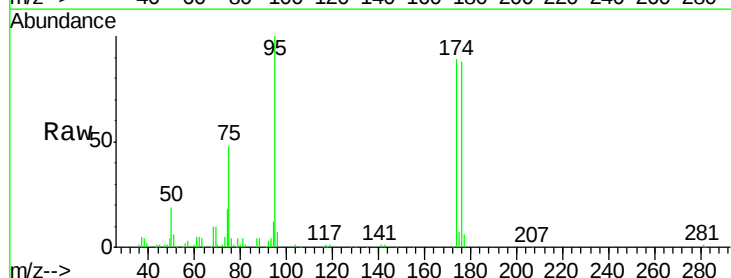
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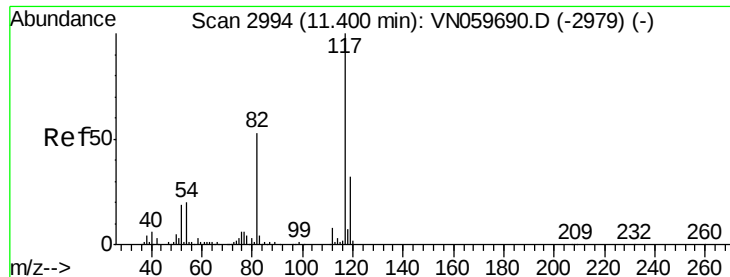
Tgt Ion: 43 Resp: 682
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.8 44.8#



#62
 4-Bromofluorobenzene
 Concen: 46.40 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059889.D
 Acq: 28 Jan 2020 11:29

Tgt Ion: 95 Resp: 122760
 Ion Ratio Lower Upper
 95 100
 174 88.7 0.0 151.4
 176 86.5 0.0 146.0

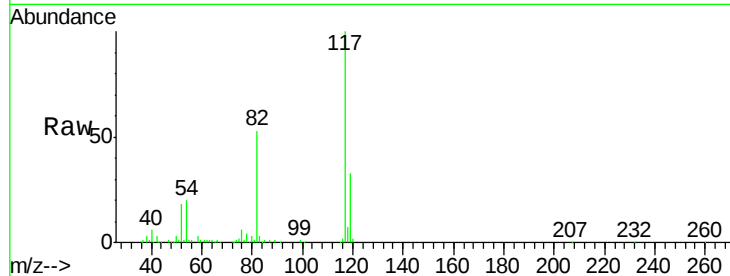




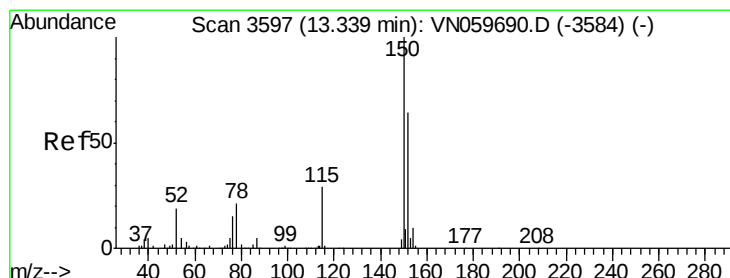
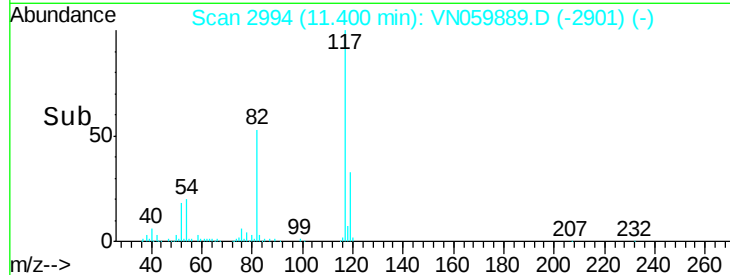
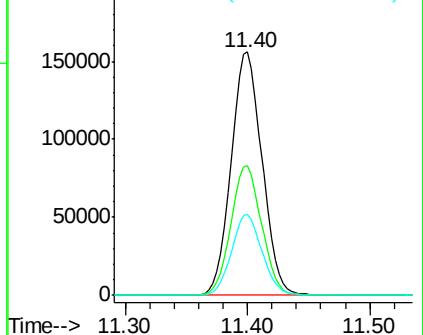
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059889.D
Acq: 28 Jan 2020 11:29

Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

Tgt Ion:117 Resp: 275891
Ion Ratio Lower Upper
117 100
82 53.2 45.9 68.9
119 33.3 25.5 38.3

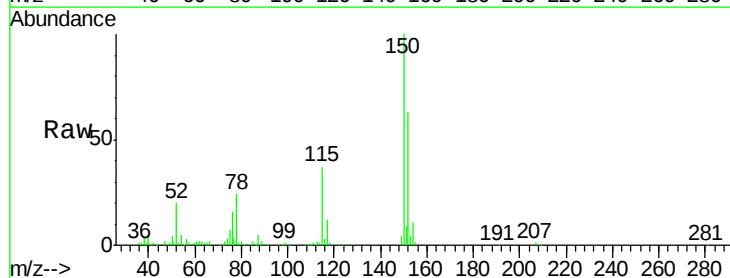


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

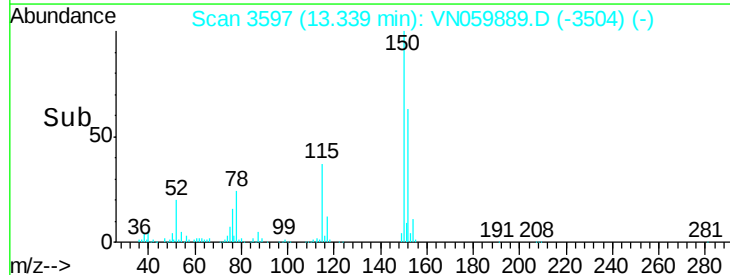
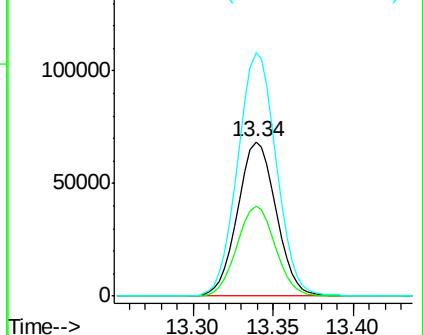


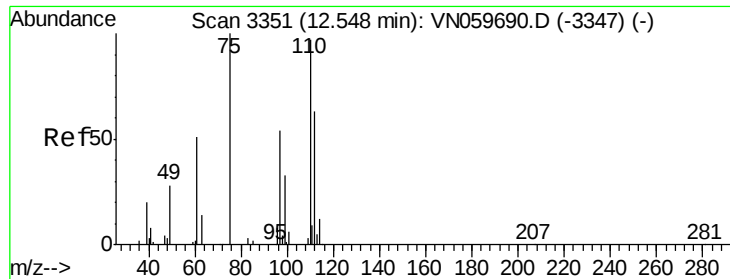
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059889.D
Acq: 28 Jan 2020 11:29

Tgt Ion:152 Resp: 112345
Ion Ratio Lower Upper
152 100
115 58.3 30.3 90.9
150 158.3 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: 31.61 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059889.D

Acq: 28 Jan 2020 11:29

Instrument :

MSVOA_N

ClientSampleId :

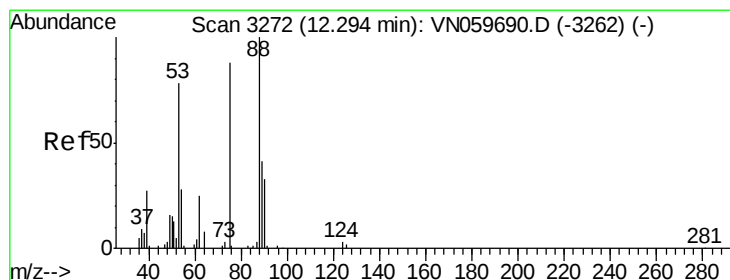
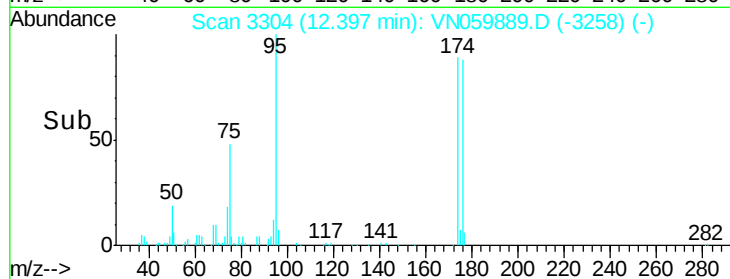
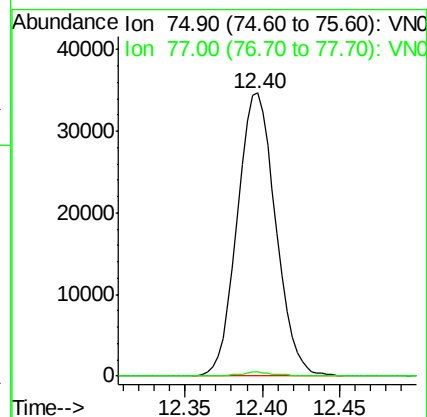
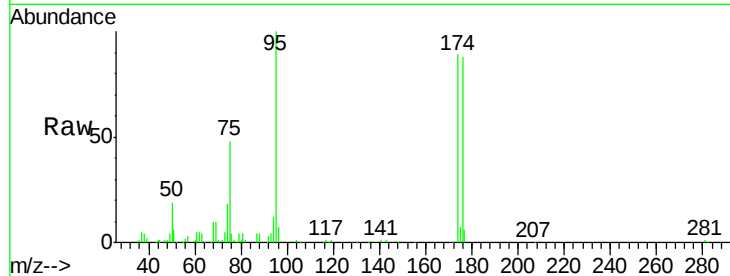
VN0128MBL01

Tgt Ion: 75 Resp: 59771

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.89 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059889.D

Acq: 28 Jan 2020 11:29

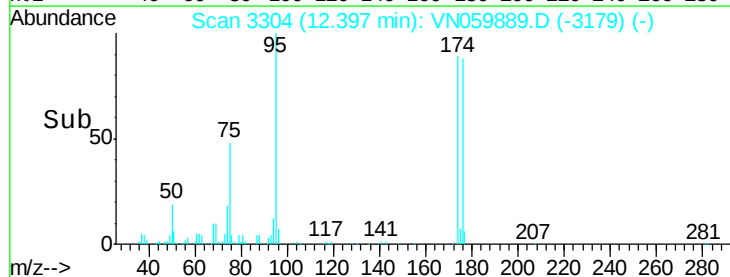
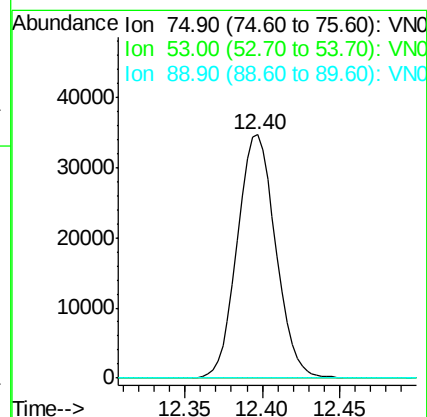
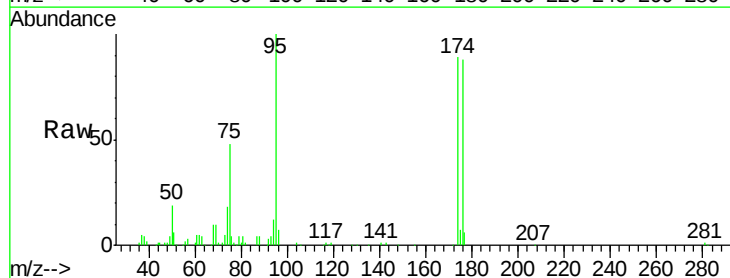
Tgt Ion: 75 Resp: 59771

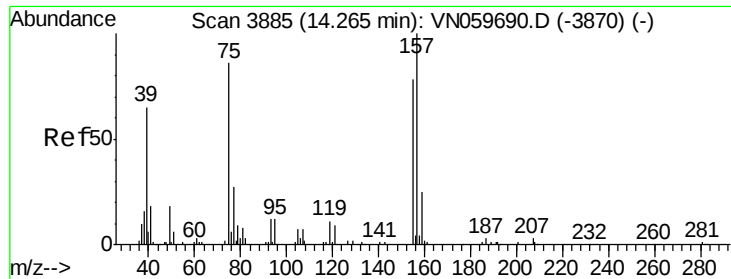
Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.37 min Scan# 3919

Delta R.T. 0.11 min

Lab File: VN059889.D

Acq: 28 Jan 2020 11:29

Instrument :

MSVOA_N

ClientSampled :

VN0128MBL01

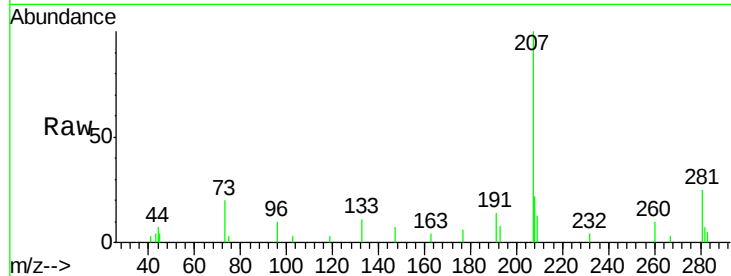
Tgt Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

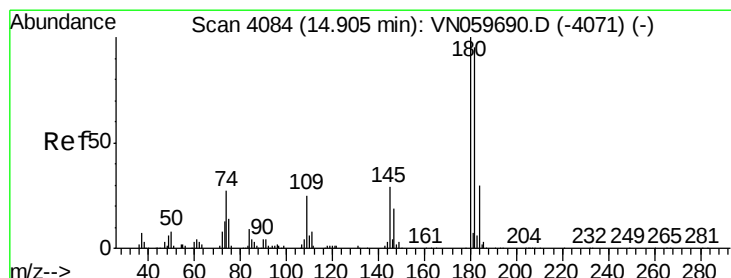
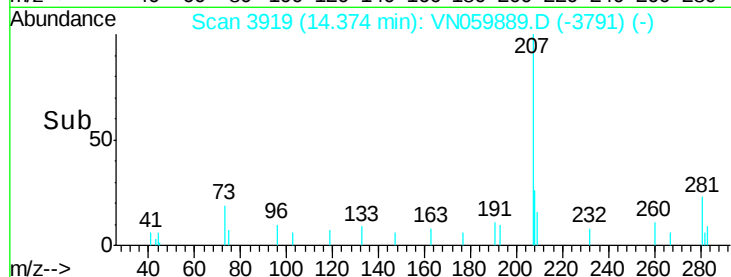
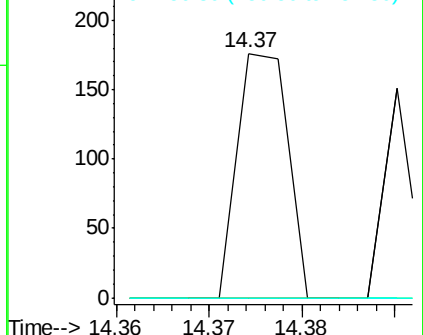
157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN059889.D (-3919) (-)

Ion 154.80 (154.50 to 155.50): VN059889.D (-3919) (-)

Ion 156.80 (156.50 to 157.50): VN059889.D (-3919) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.22 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN059889.D

Acq: 28 Jan 2020 11:29

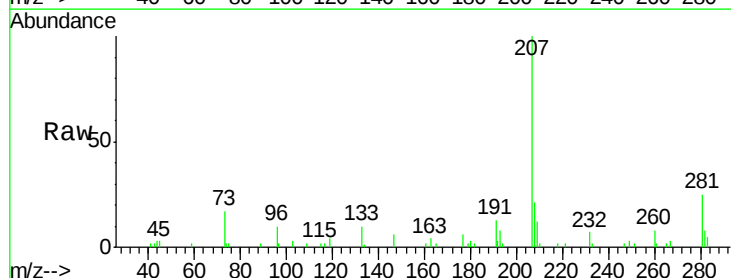
Tgt Ion: 180 Resp: 477

Ion Ratio Lower Upper

180 100

182 52.0 46.9 140.7

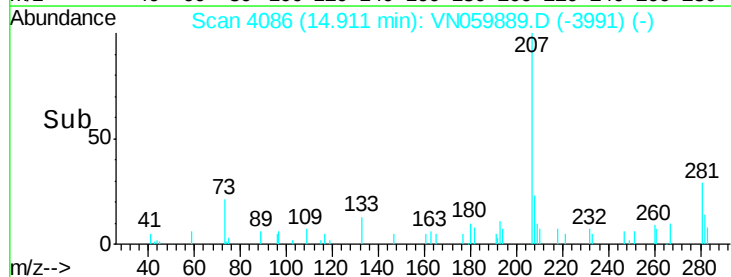
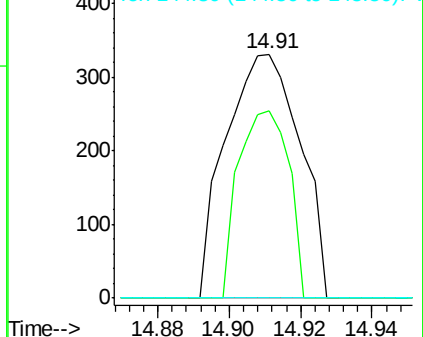
145 0.0 15.0 45.1#

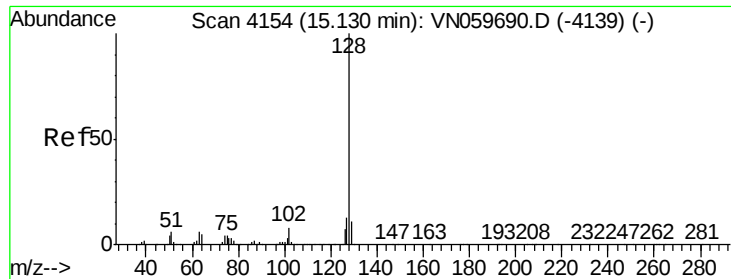


Abundance Ion 179.80 (179.50 to 180.50): VN059889.D (-4086) (-)

Ion 181.80 (181.50 to 182.50): VN059889.D (-4086) (-)

Ion 144.80 (144.50 to 145.50): VN059889.D (-4086) (-)





#95

Naphthalene

Concen: 0.29 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059889.D

Acq: 28 Jan 2020 11:29

Instrument :

MSVOA_N

ClientSampled :

VN0128MBL01

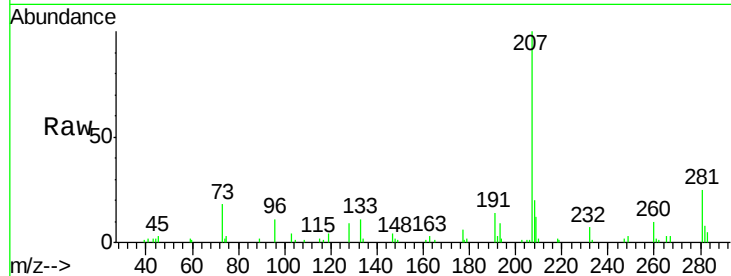
Tgt Ion:128 Resp: 1747

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

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

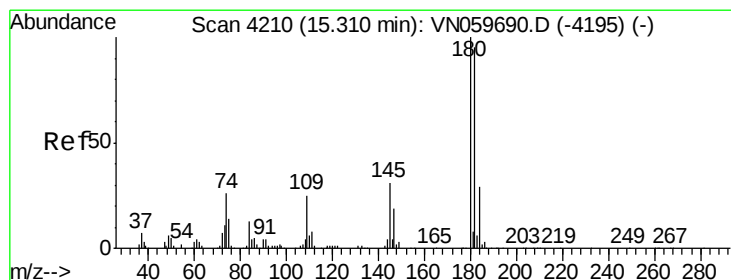
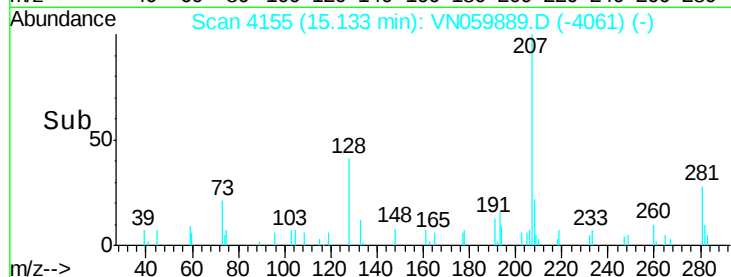
15.13

1000

500

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 0.29 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059889.D

Acq: 28 Jan 2020 11:29

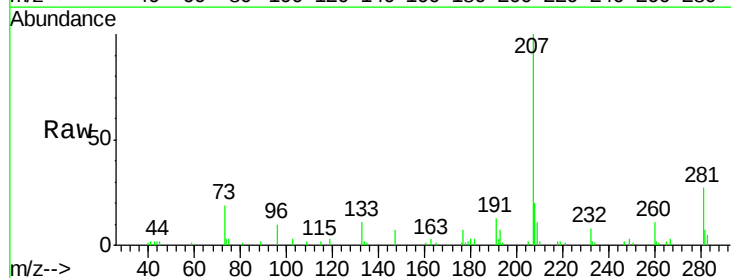
Tgt Ion:180 Resp: 612

Ion Ratio Lower Upper

180 100

182 71.6 47.4 142.3

145 4.7 16.3 48.9#



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

15.31

500

400

300

200

100

0

Time-->

