

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010919\
 Data File : VN053320.D
 Acq On : 9 Jan 2019 10:13
 Operator : MD\SY
 Sample : VN0109WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBL01

Quant Time: Jan 10 03:03:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1126175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1732993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1572715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	656134	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	551580	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
35) Dibromofluoromethane	7.59	113	486941	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
50) Toluene-d8	10.09	98	2117422	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.40	95	718809	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	

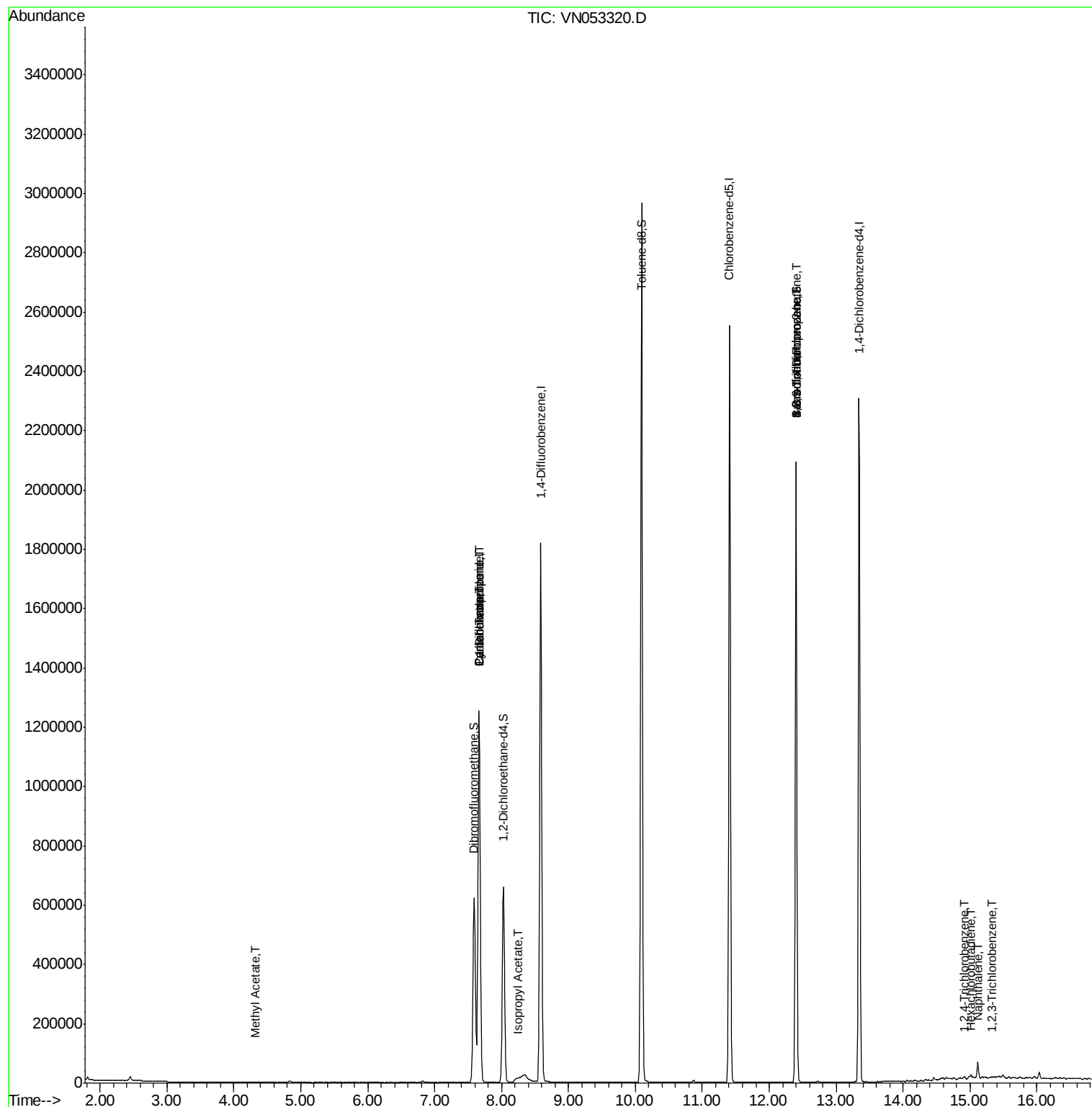
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	1181	Below Cal	#	40
18) Methyl Acetate	4.32	43	2285	0.215	ug/l #	69
31) Cyclohexane	7.66	56	17077	0.662	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	72244	4.465	ug/l #	48
38) Carbon Tetrachloride	7.66	117	95433	6.391	ug/l #	16
43) Isopropyl Acetate	8.23	43	13483	0.650	ug/l #	52
71) Bromoform	12.40	173	4420	0.523	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	331999	34.691	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	331999	102.068	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.91	180	1542	0.228	ug/l	96
94) Hexachlorobutadiene	15.01	225	1676	0.303	ug/l	84
95) Naphthalene	15.13	128	3539	0.307	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.31	180	1631	0.368	ug/l	82

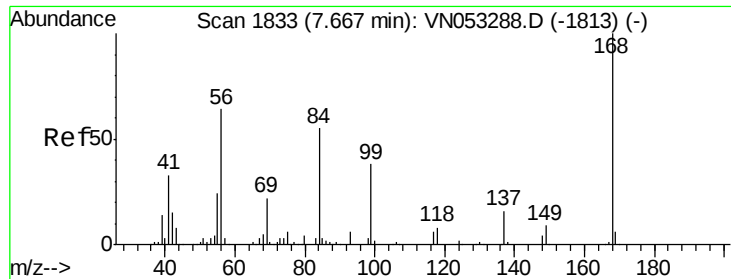
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053320.D

Acq: 9 Jan 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

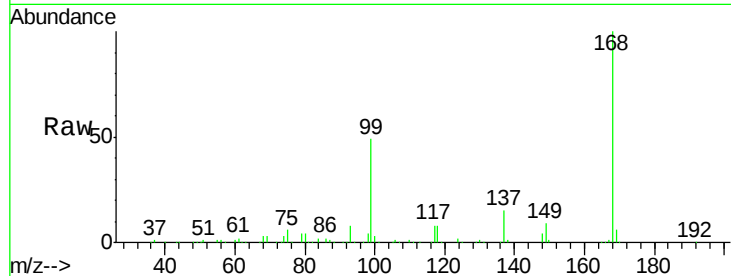
VN0109WBL01

Tot Ion:168 Resp: 1126175

Ion Ratio Lower Upper

168 100

99 49.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

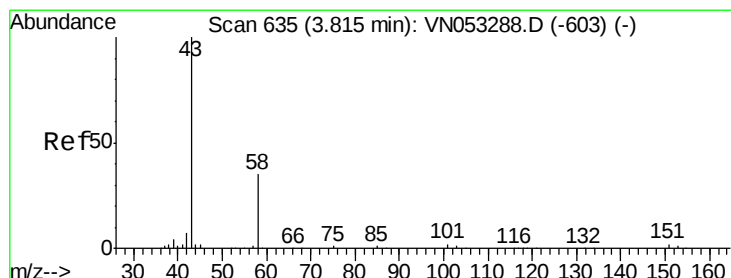
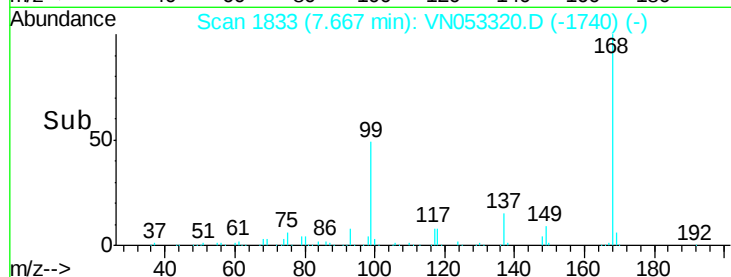
300000

200000

100000

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053320.D

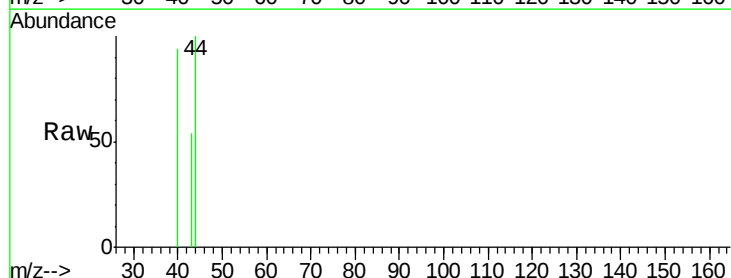
Acq: 9 Jan 2019 10:13

Tgt Ion: 43 Resp: 1181

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

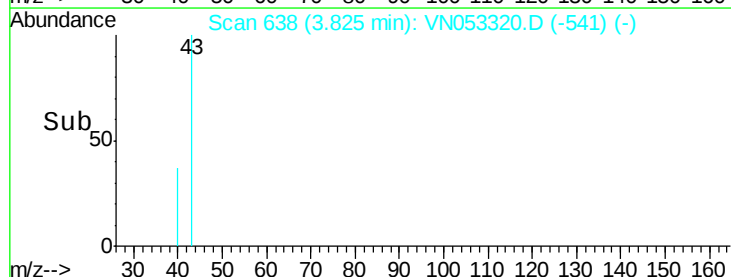
600

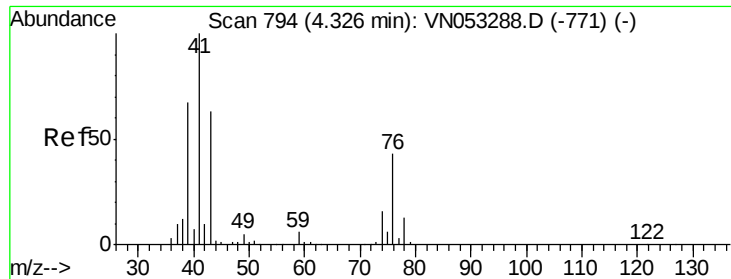
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200

0

Time-->

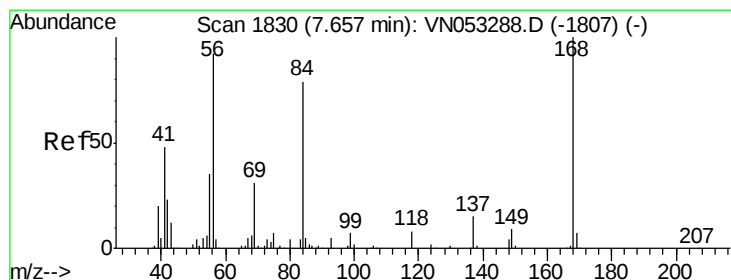
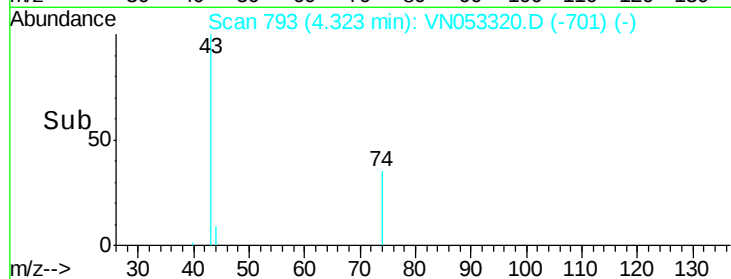
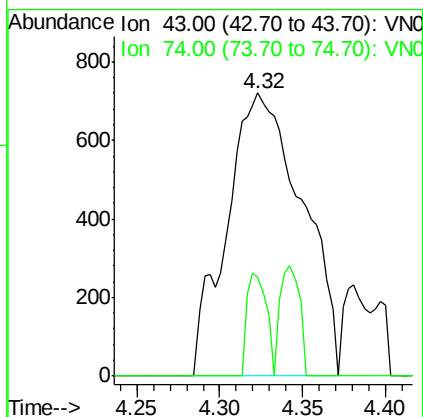
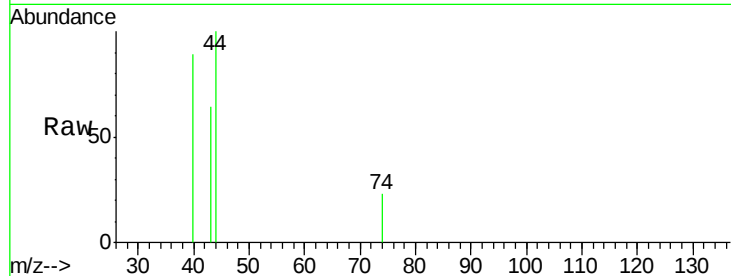




#18
Methyl Acetate
Concen: 0.215 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053320.D
Acq: 9 Jan 2019 10:13

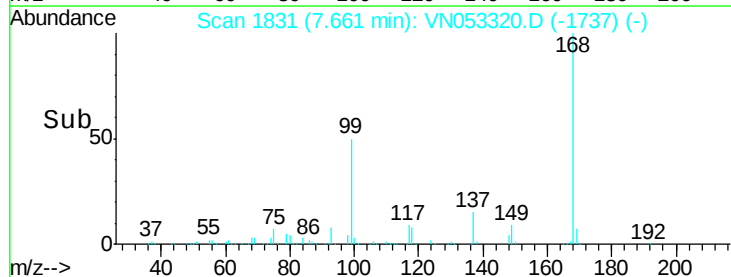
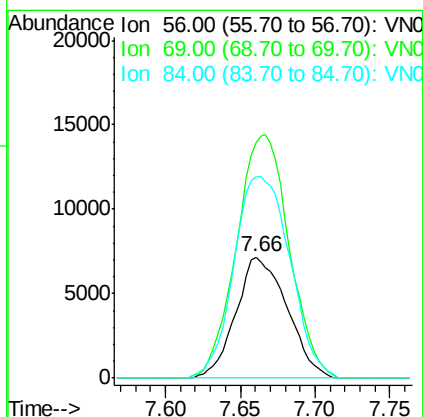
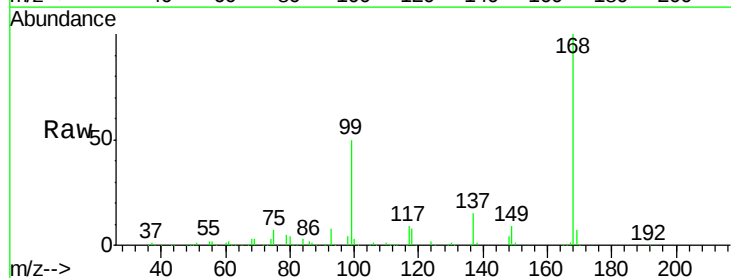
Instrument :
MSVOA_N
ClientSampleId :
VN0109WBL01

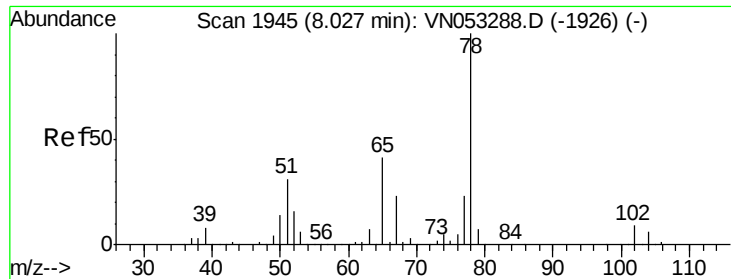
Tot Ion: 43 Resp: 2285
Ion Ratio Lower Upper
43 100
74 9.1 19.8 29.8#



#31
Cyclohexane
Concen: 0.662 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN053320.D
Acq: 9 Jan 2019 10:13

Tgt Ion: 56 Resp: 17077
Ion Ratio Lower Upper
56 100
69 194.4 26.7 40.1#
84 166.6 68.2 102.4#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053320.D

Acq: 9 Jan 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

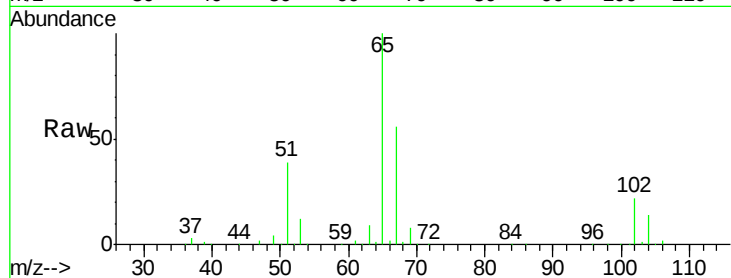
VN0109WBL01

Tot Ion: 65 Resp: 551580

Ion Ratio Lower Upper

65 100

67 54.9 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

250000

200000

150000

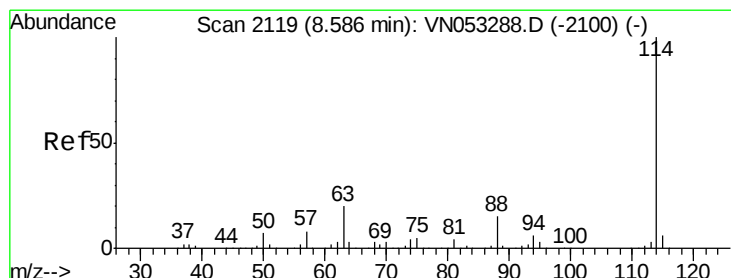
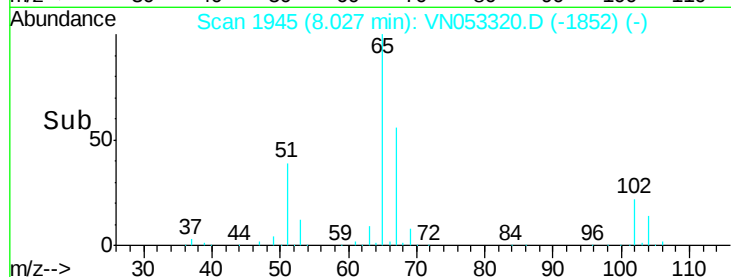
100000

50000

0

Time-->

7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053320.D

Acq: 9 Jan 2019 10:13

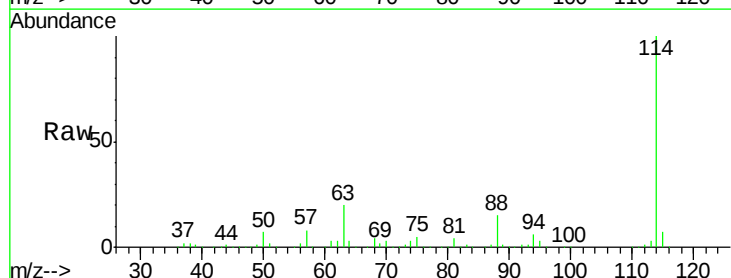
Tgt Ion:114 Resp: 1732993

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

88 15.2 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

1000000

800000

600000

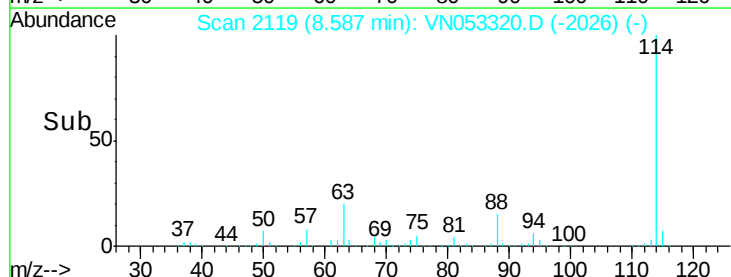
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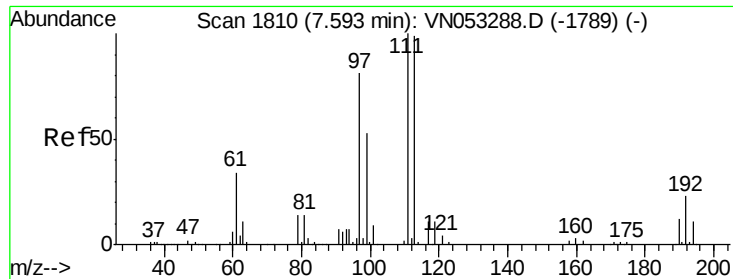
200000

0

Time-->

8.50 8.60 8.70

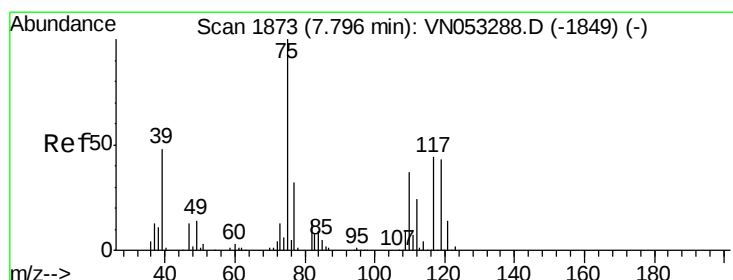
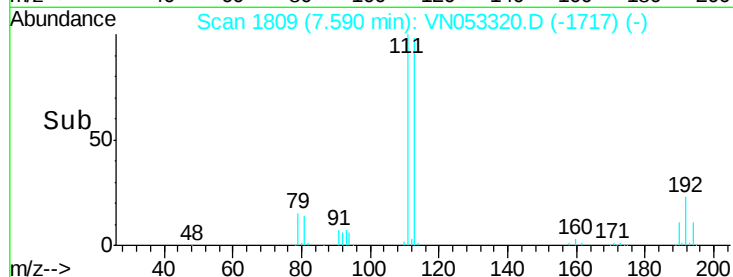
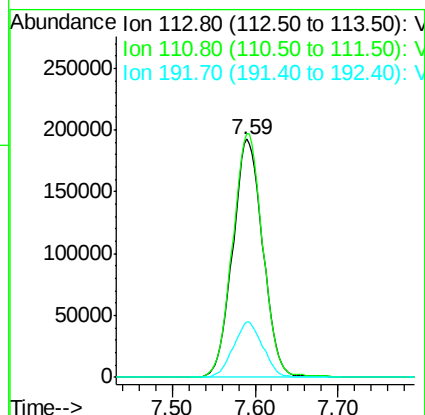
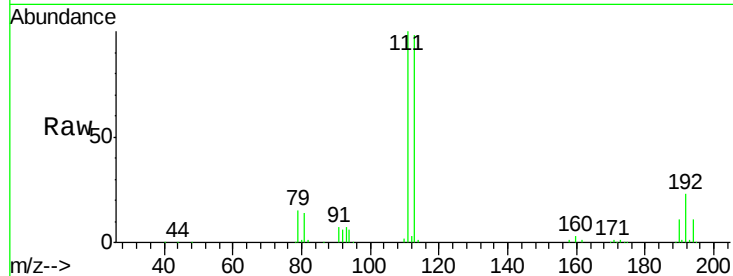




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053320.D
 Acq: 9 Jan 2019 10:13

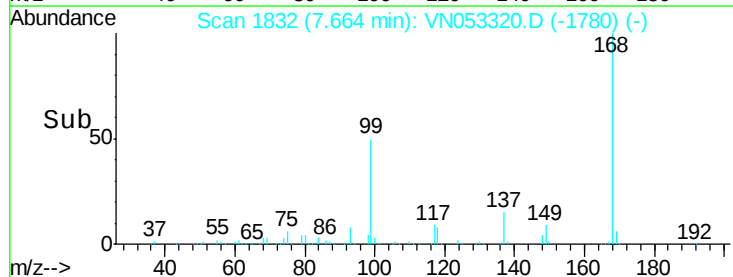
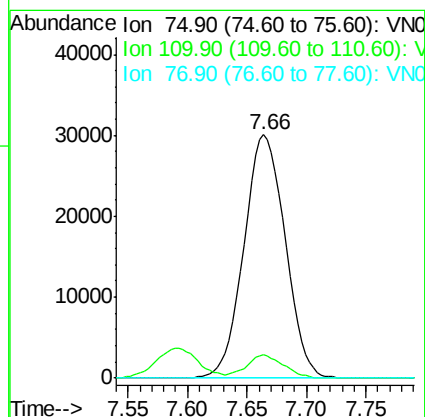
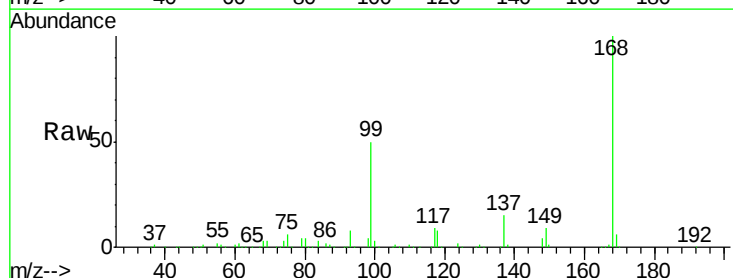
Instrument :
 MSVOA_N
 ClientSampled :
 VN0109WBL01

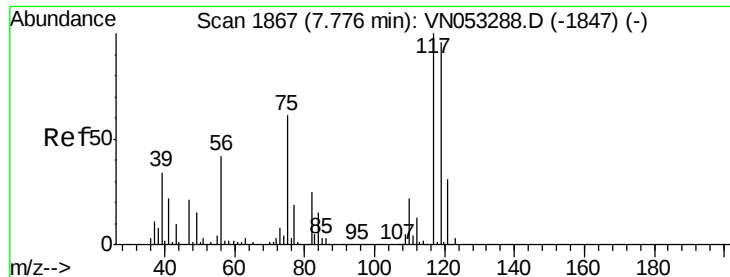
Tot Ion:113 Resp: 486941
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.4 122.2
 192 22.7 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.465 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053320.D
 Acq: 9 Jan 2019 10:13

Tgt Ion: 75 Resp: 72244
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.4 55.0#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.391 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053320.D

Acq: 9 Jan 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

VN0109WBL01

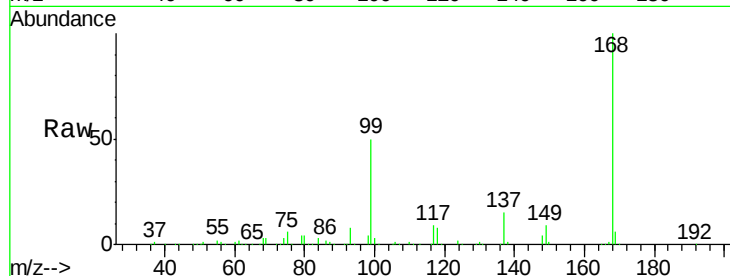
Tot Ion:117 Resp: 95433

Ion Ratio Lower Upper

117 100

119 4.9 76.6 115.0#

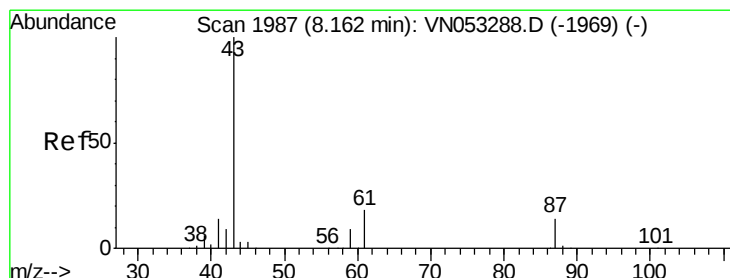
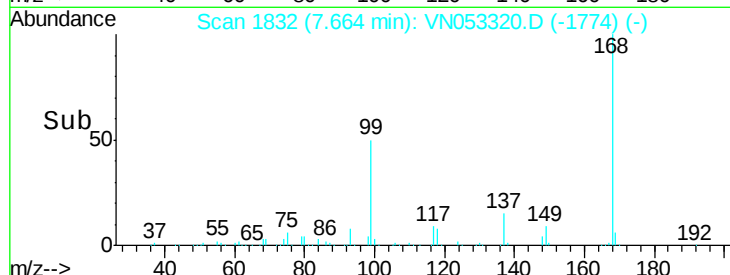
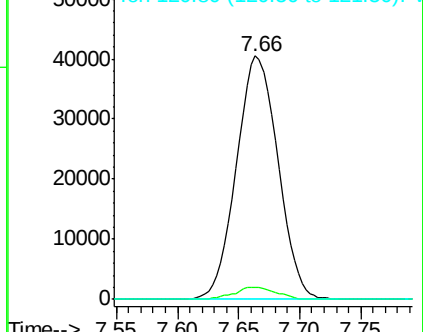
121 0.0 25.0 37.4#



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



#43

Isopropyl Acetate

Concen: 0.650 ug/l

RT: 8.23 min Scan# 2008

Delta R.T. 0.07 min

Lab File: VN053320.D

Acq: 9 Jan 2019 10:13

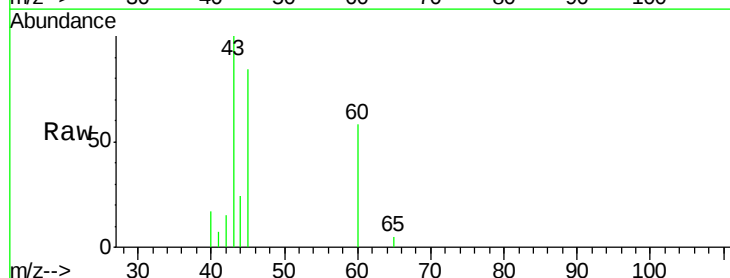
Tgt Ion: 43 Resp: 13483

Ion Ratio Lower Upper

43 100

61 0.0 23.3 34.9#

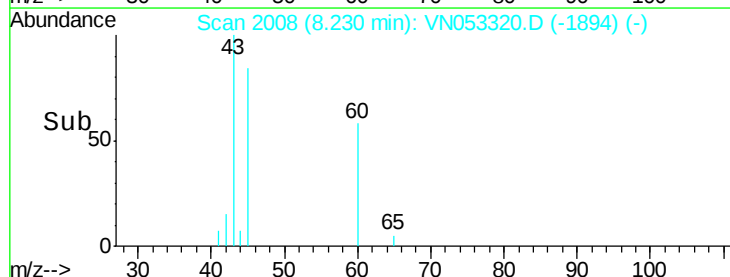
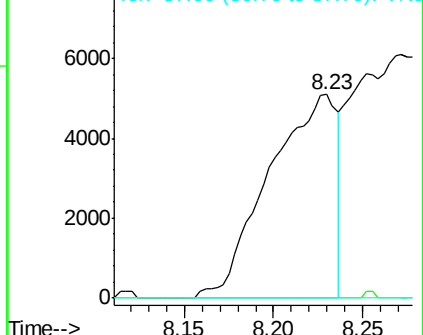
87 0.0 10.8 16.2#

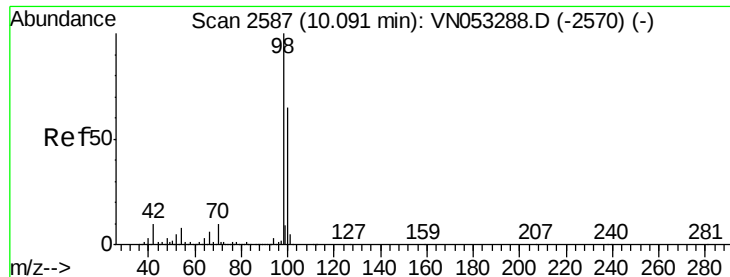


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053320.D

Acq: 9 Jan 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

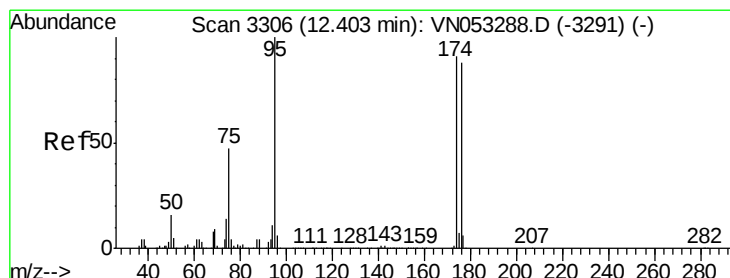
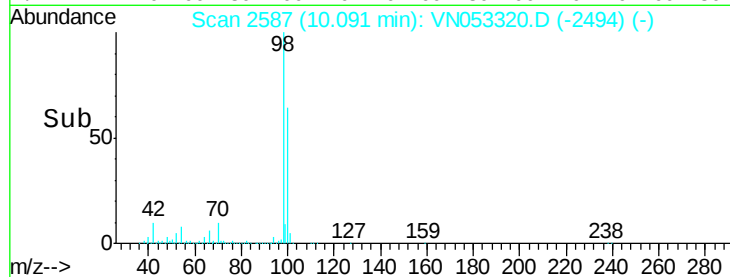
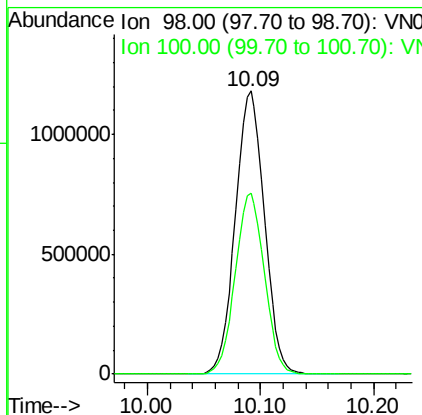
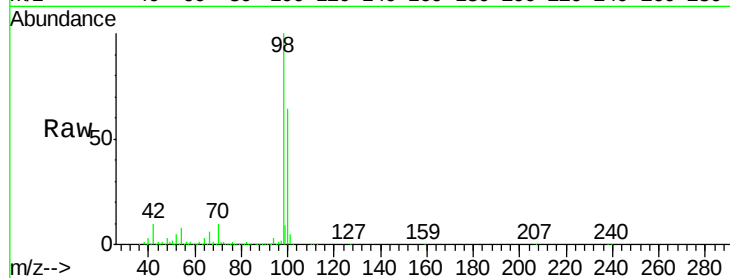
VN0109WBL01

Tot Ion: 98 Resp: 2117422

Ion Ratio Lower Upper

98 100

100 63.9 51.5 77.3



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053320.D

Acq: 9 Jan 2019 10:13

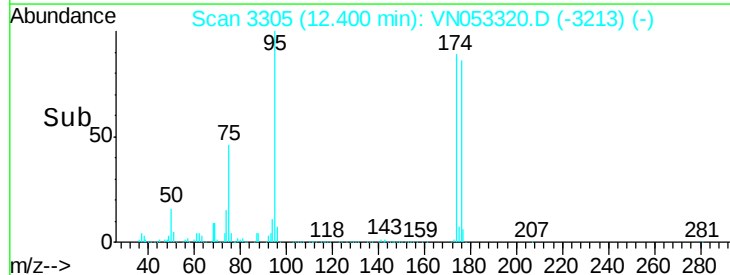
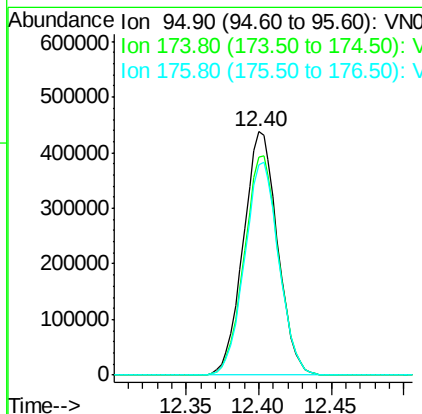
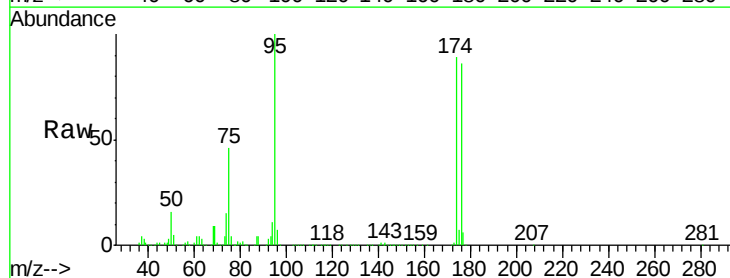
Tgt Ion: 95 Resp: 718809

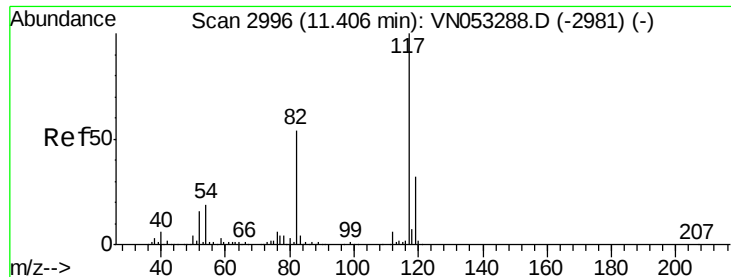
Ion Ratio Lower Upper

95 100

174 90.1 0.0 180.4

176 87.4 0.0 175.6

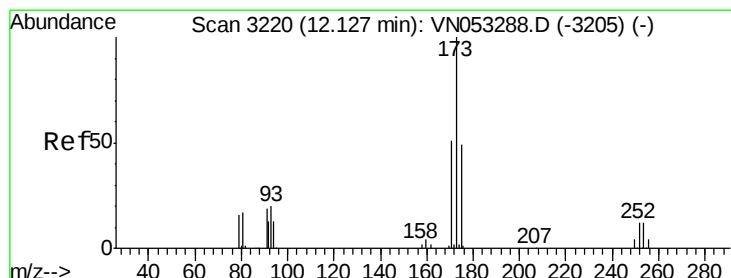
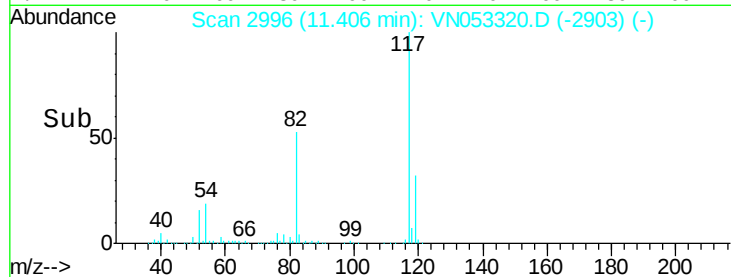
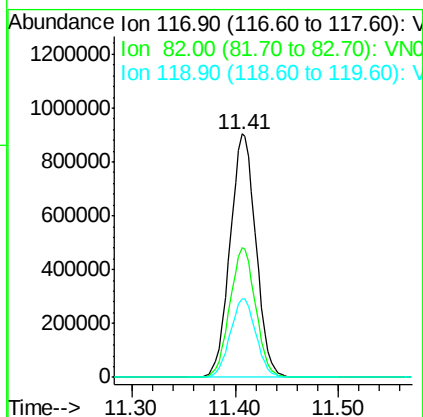
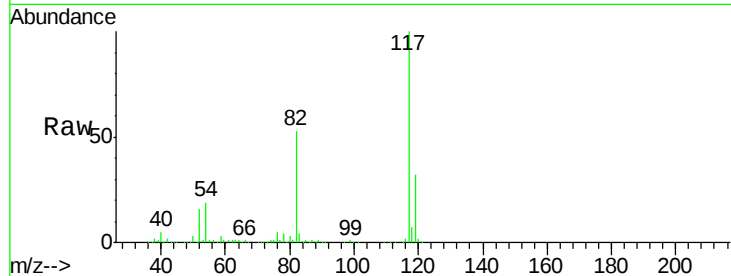




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053320.D
Acq: 9 Jan 2019 10:13

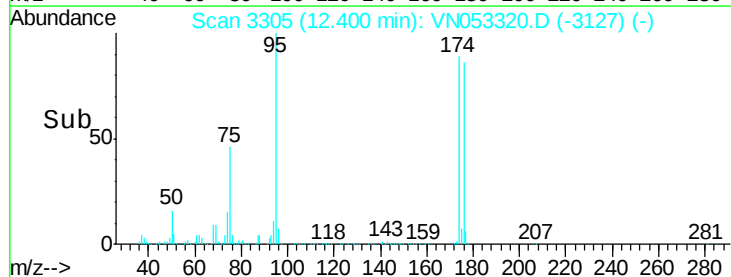
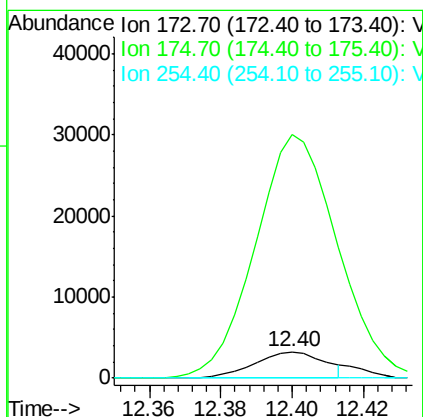
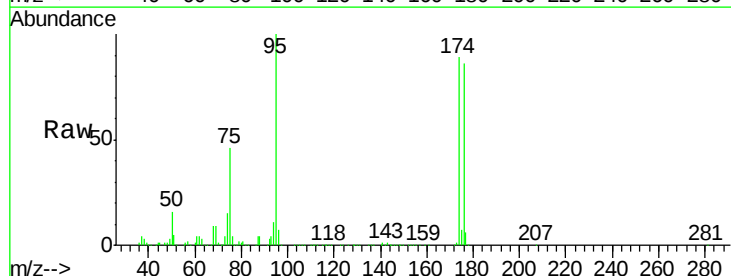
Instrument :
MSVOA_N
ClientSampleId :
VN0109WBL01

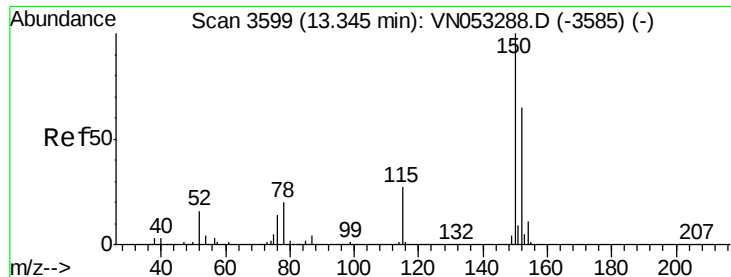
Tot Ion:117 Resp: 1572715
Ion Ratio Lower Upper
117 100
82 53.3 42.9 64.3
119 32.4 25.6 38.4



#71
Bromoform
Concen: 0.523 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053320.D
Acq: 9 Jan 2019 10:13

Tgt Ion:173 Resp: 4420
Ion Ratio Lower Upper
173 100
175 957.3 24.3 72.8#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053320.D

Acq: 9 Jan 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBL01

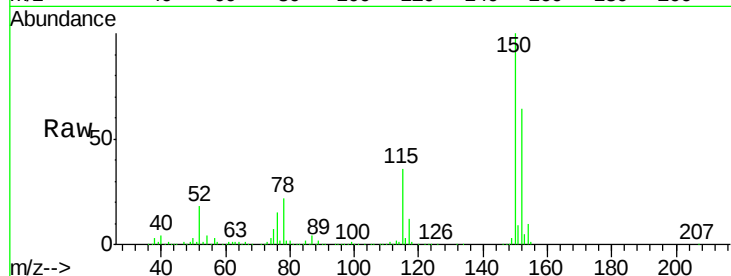
Tot Ion:152 Resp: 656134

Ion Ratio Lower Upper

152 100

115 56.2 28.0 84.0

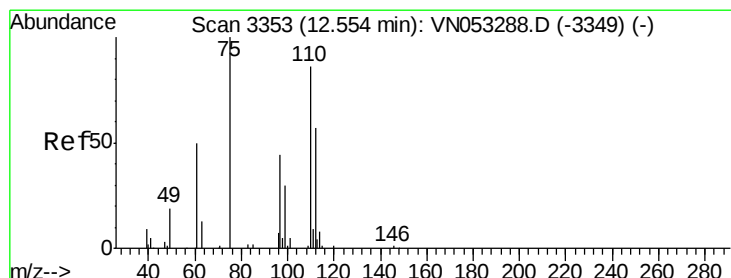
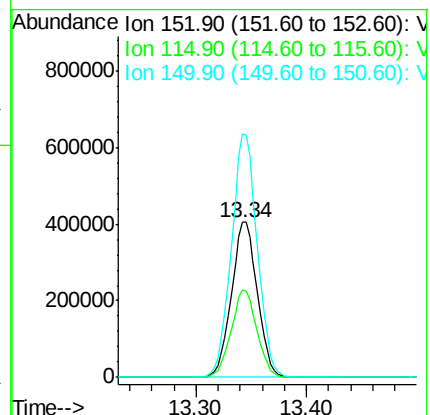
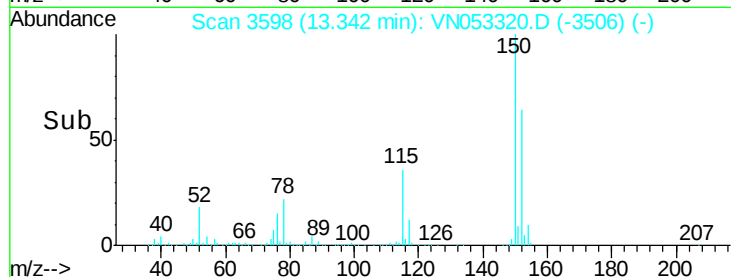
150 157.0 0.0 346.6



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: 34.691 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053320.D

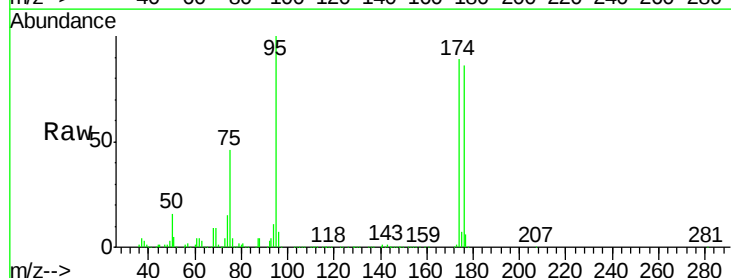
Acq: 9 Jan 2019 10:13

Tgt Ion: 75 Resp: 331999

Ion Ratio Lower Upper

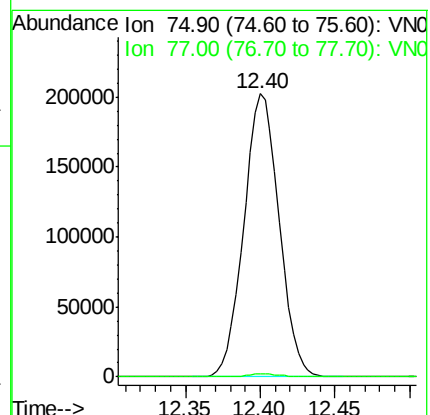
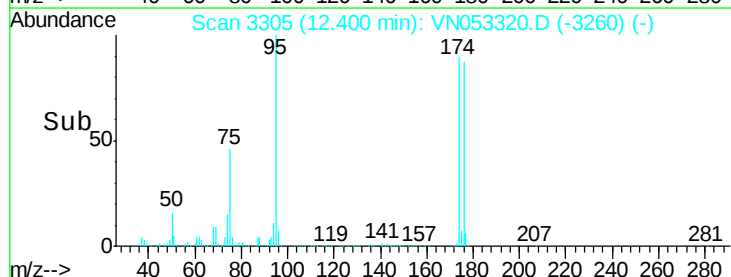
75 100

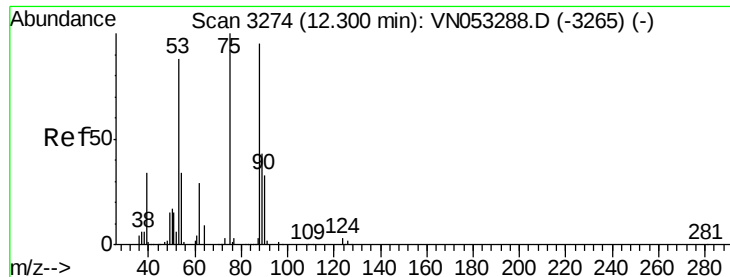
77 1.1 0.0 0.0#



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: 102.068 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053320.D

Acq: 9 Jan 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

VN0109WBL01

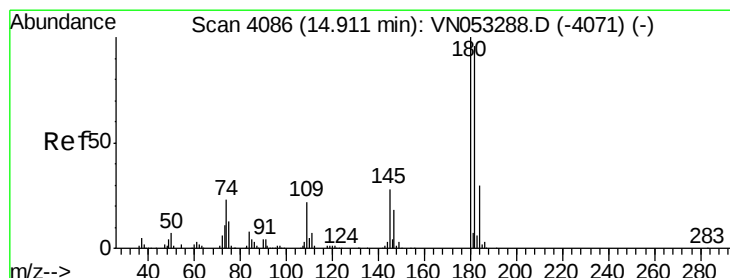
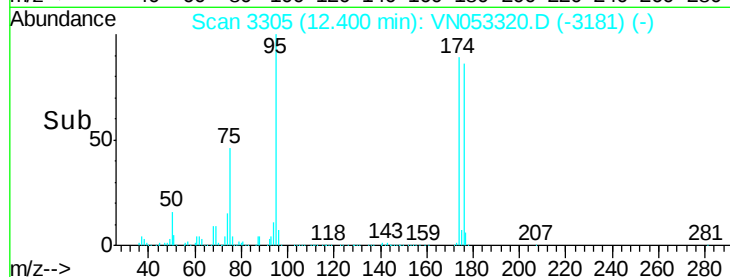
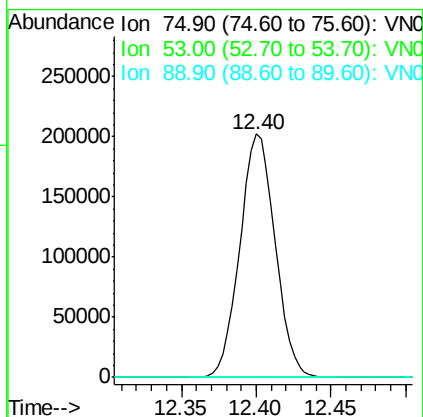
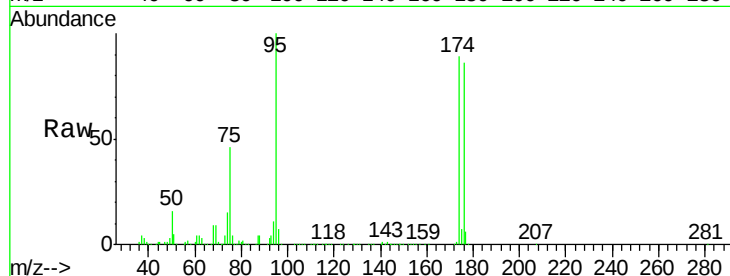
Tot Ion: 75 Resp: 331999

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 35.4 53.0#



#93

1,2,4-Trichlorobenzene

Concen: 0.228 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN053320.D

Acq: 9 Jan 2019 10:13

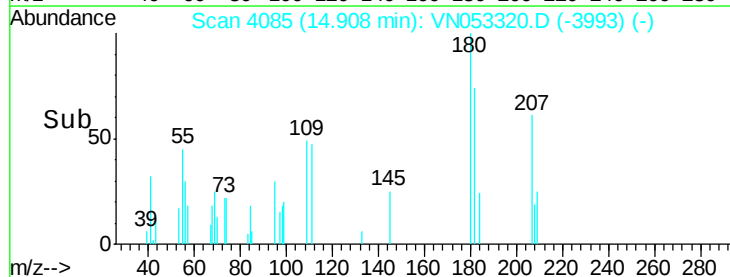
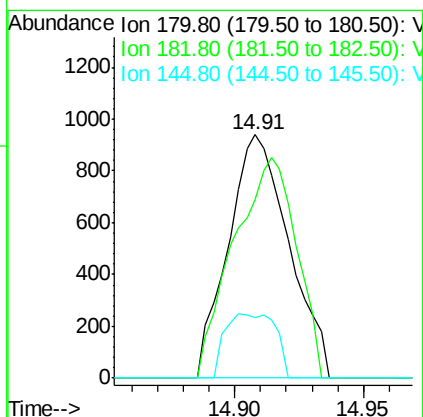
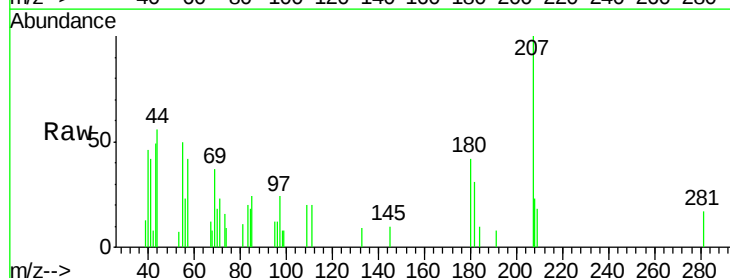
Tgt Ion: 180 Resp: 1542

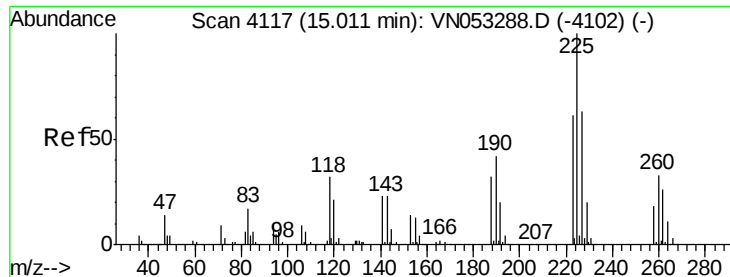
Ion Ratio Lower Upper

180 100

182 93.6 47.8 143.4

145 22.0 14.4 43.0





#94

Hexachlorobutadiene

Concen: 0.303 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053320.D

Acq: 9 Jan 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

VN0109WBL01

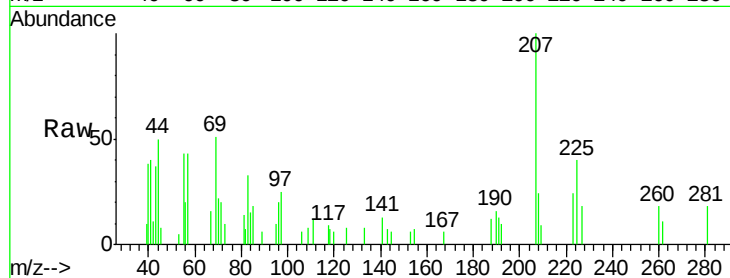
Tot Ion:225 Resp: 1676

Ion Ratio Lower Upper

225 100

223 58.0 30.9 92.8

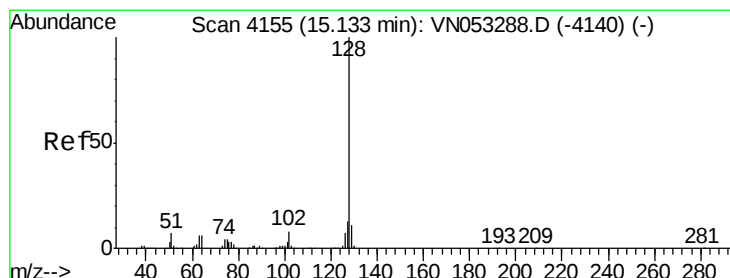
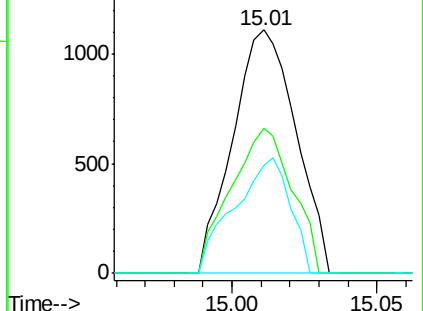
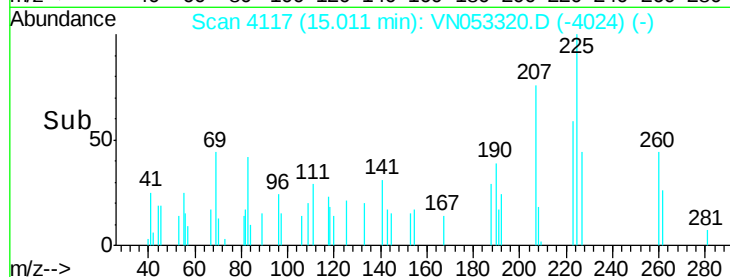
227 42.1 31.4 94.2



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: 0.307 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053320.D

Acq: 9 Jan 2019 10:13

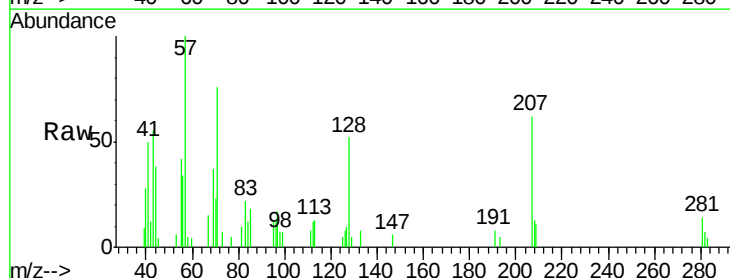
Tgt Ion:128 Resp: 3539

Ion Ratio Lower Upper

128 100

127 7.8 10.4 15.6#

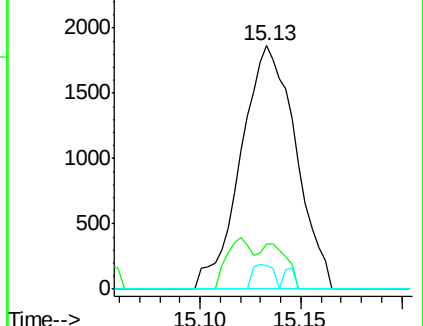
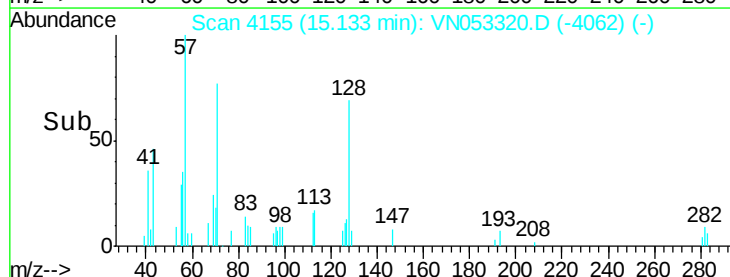
129 3.8 8.7 13.1#

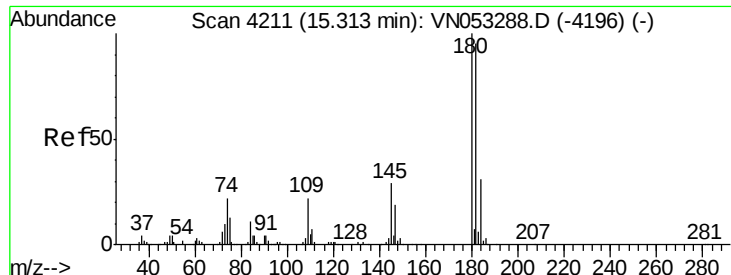


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.368 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053320.D
 Acq: 9 Jan 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	78.3	48.4	145.0
145	22.3	14.9	44.5

