

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053471.D
 Acq On : 18 Jan 2019 14:50
 Operator : JC/SP
 Sample : K1199-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EB03-20190116

Quant Time: Jan 19 00:21:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	885579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1383372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1294723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	563803	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	451337	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
35) Dibromofluoromethane	7.59	113	403199	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
50) Toluene-d8	10.09	98	1714210	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.40	95	583358	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	

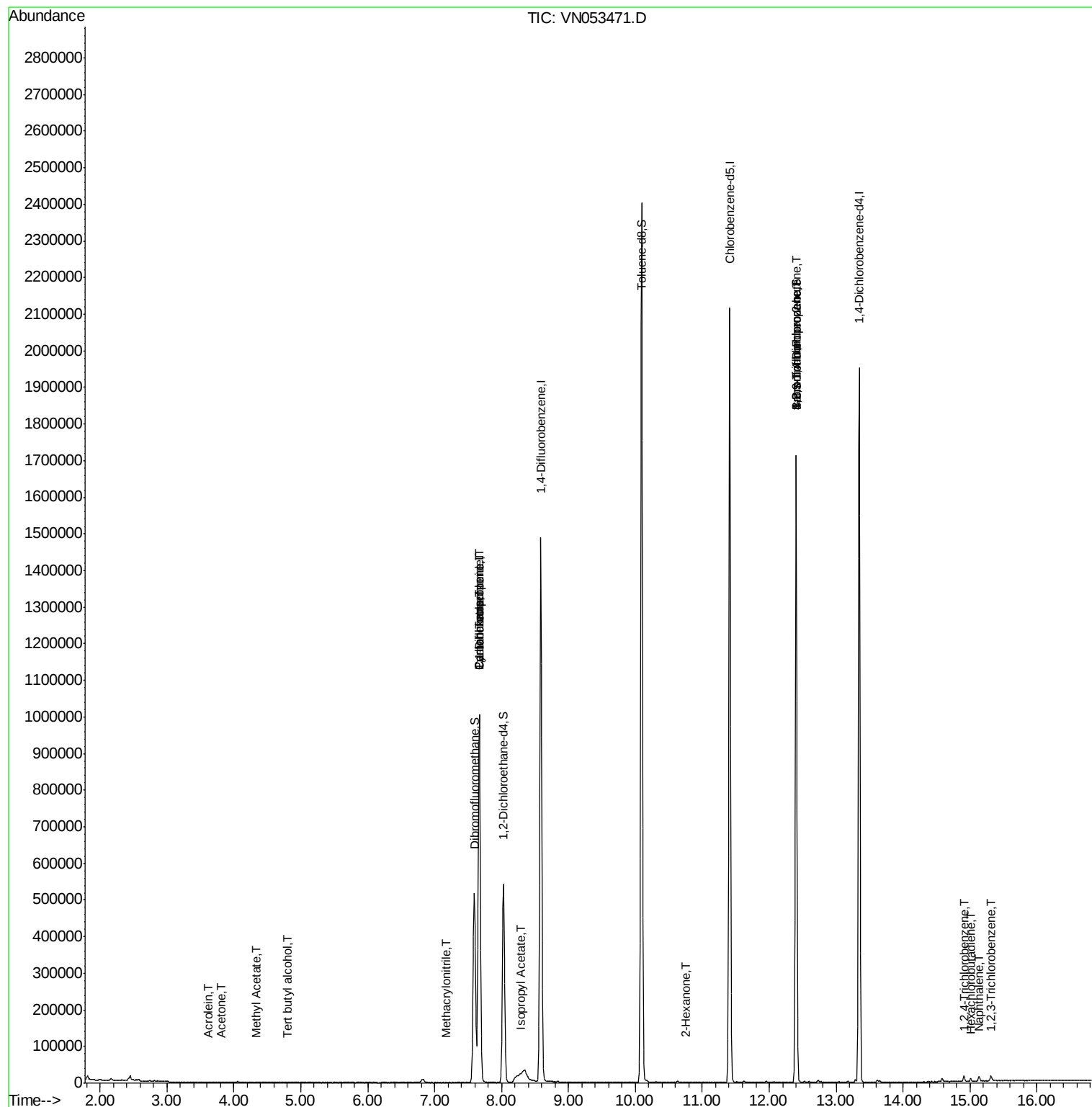
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	99	0.231	ug/l #	72
13) Acrolein	3.61	56	227	22.985	ug/l #	14
16) Acetone	3.82	43	1414	0.689	ug/l	96
18) Methyl Acetate	4.33	43	1771	0.256	ug/l #	58
31) Cyclohexane	7.67	56	14574	0.727	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	57043	4.528	ug/l #	49
38) Carbon Tetrachloride	7.67	117	76171	6.386	ug/l #	16
41) Methacrylonitrile	7.18	41	30	0.674	ug/l #	20
43) Isopropyl Acetate	8.27	43	38370	2.944	ug/l #	51
59) 2-Hexanone	10.75	43	2258	0.452	ug/l #	49
71) Bromoform	12.41	173	3889	0.593	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	271732	36.573	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	271732	90.401	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	5127	3.390	ug/l	96
94) Hexachlorobutadiene	15.01	225	1678	0.306	ug/l	93
95) Naphthalene	15.14	128	12104	4.757	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	5720	4.832	ug/l	95

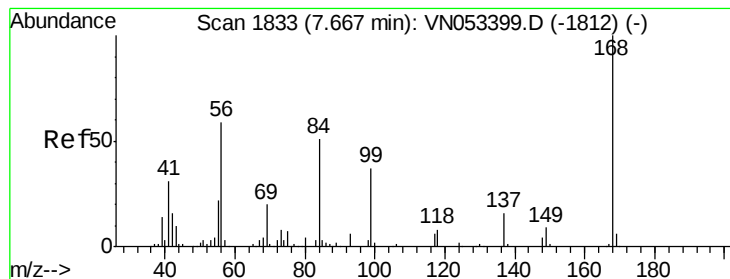
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053471.D

Acq: 18 Jan 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

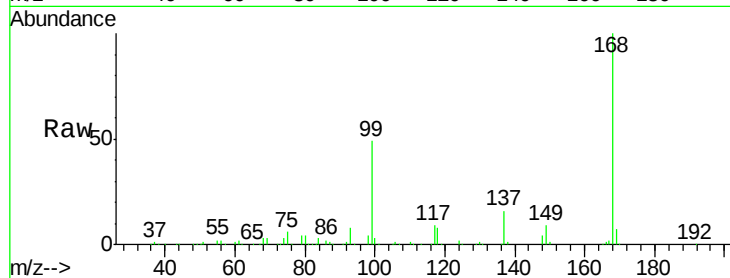
EB03-20190116

Tot Ion:168 Resp: 885579

Ion Ratio Lower Upper

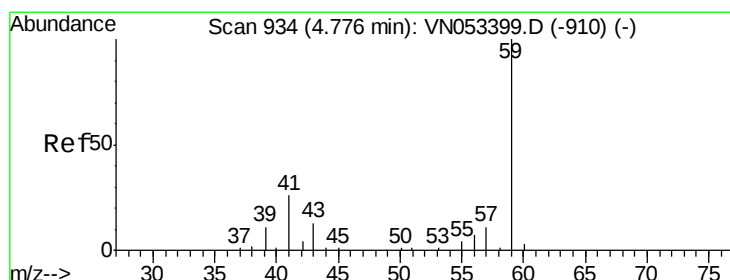
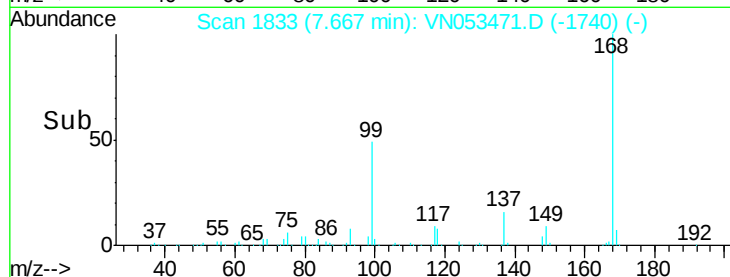
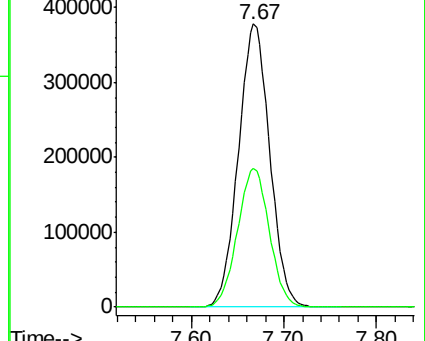
168 100

99 49.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.231 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.02 min

Lab File: VN053471.D

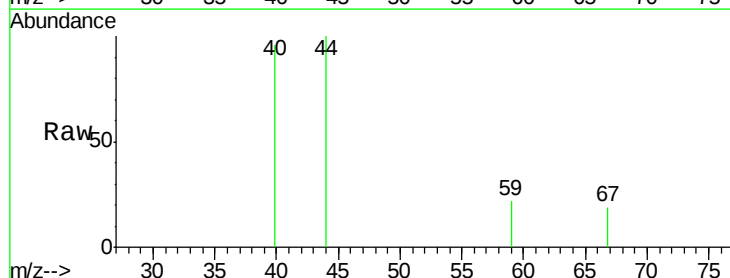
Acq: 18 Jan 2019 14:50

Tgt Ion: 59 Resp: 99

Ion Ratio Lower Upper

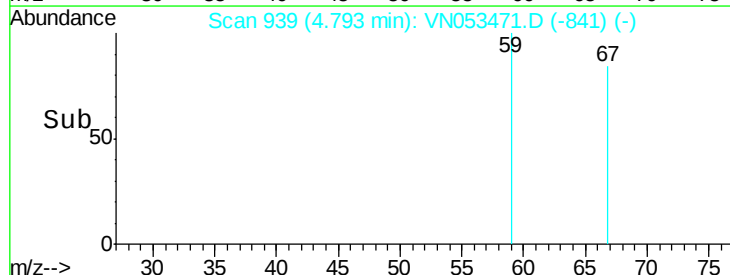
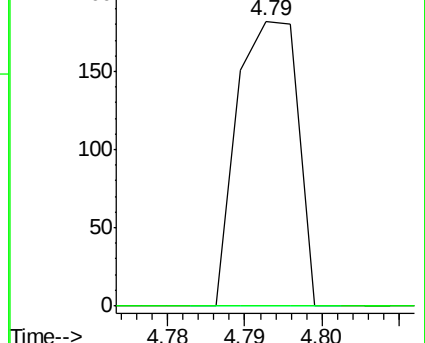
59 100

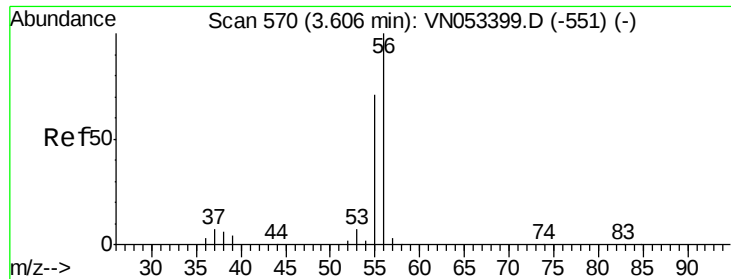
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 22.985 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053471.D

Acq: 18 Jan 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

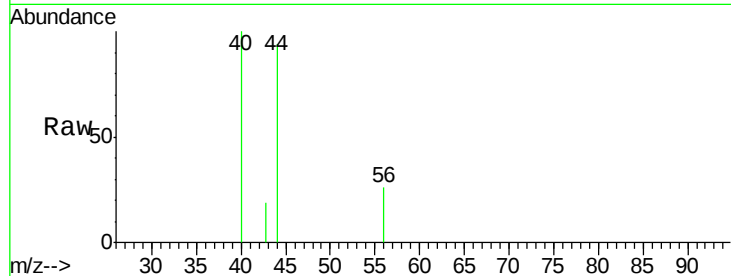
EB03-20190116

Tot Ion: 56 Resp: 227

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

250

200

150

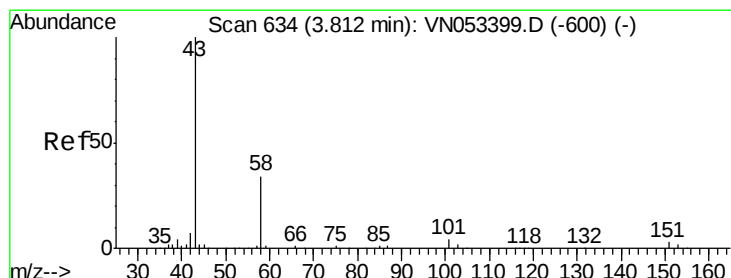
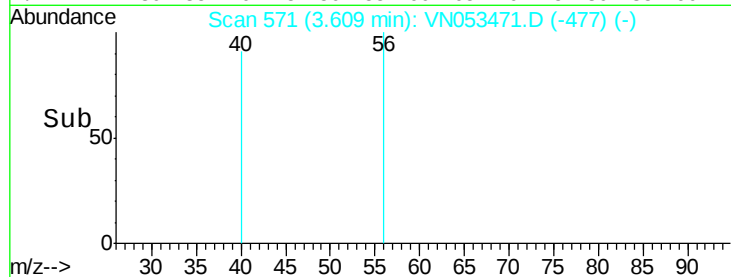
100

50

0

Time-->

3.60 3.62



#16

Acetone

Concen: 0.689 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053471.D

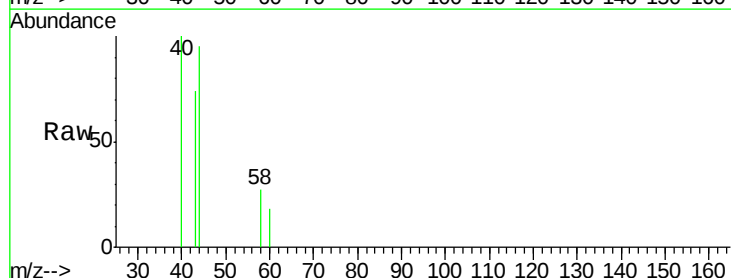
Acq: 18 Jan 2019 14:50

Tgt Ion: 43 Resp: 1414

Ion Ratio Lower Upper

43 100

58 36.1 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800

600

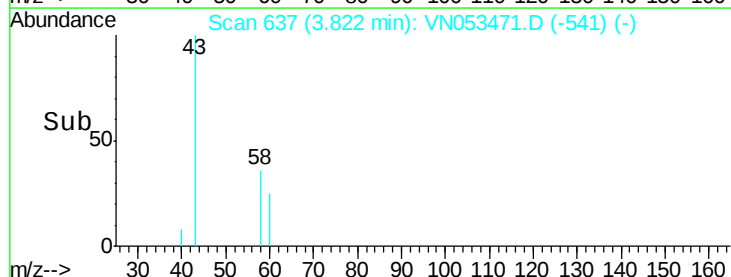
400

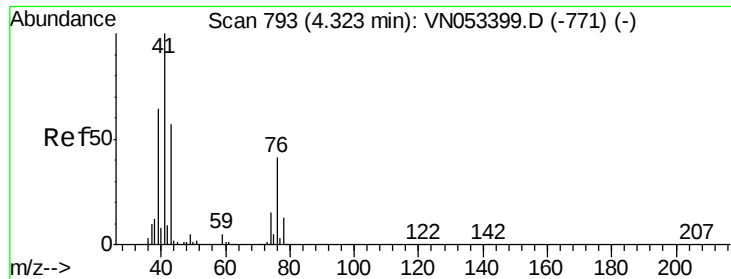
200

0

Time-->

3.80 3.85

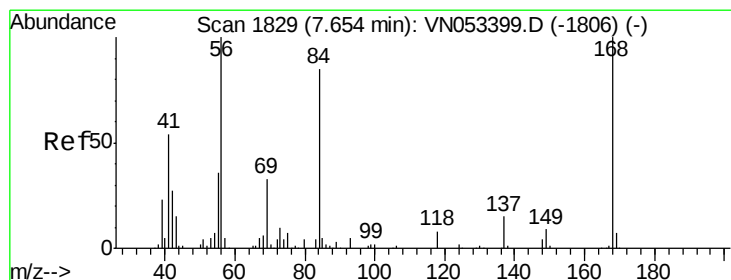
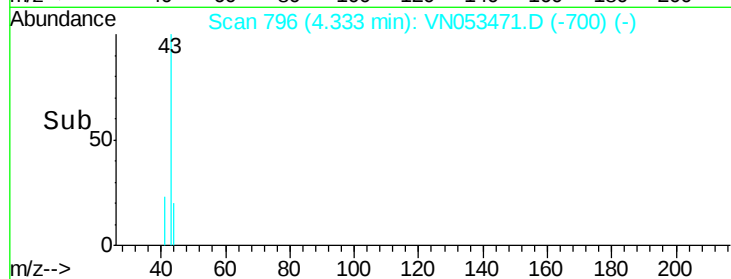
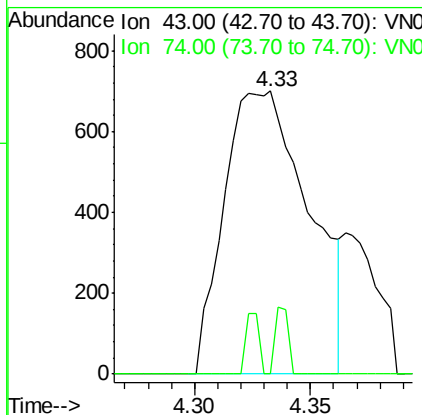
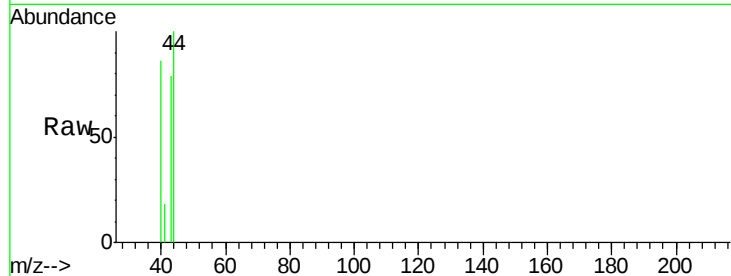




#18
Methvl Acetate
Concen: 0.256 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053471.D
Acq: 18 Jan 2019 14:50

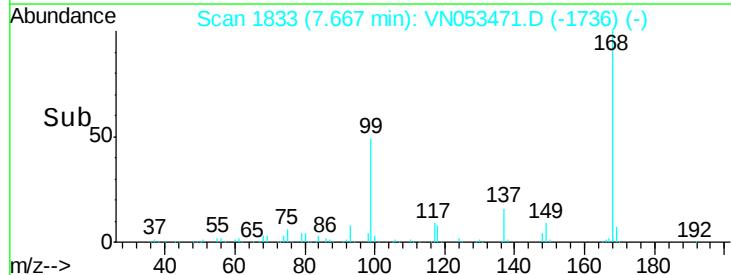
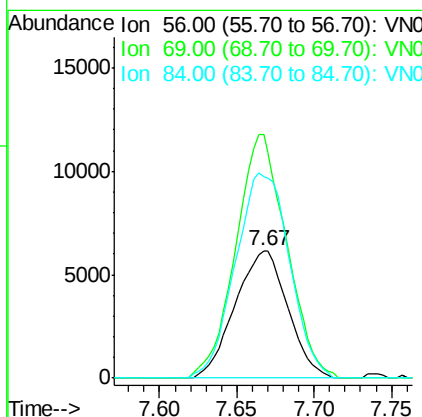
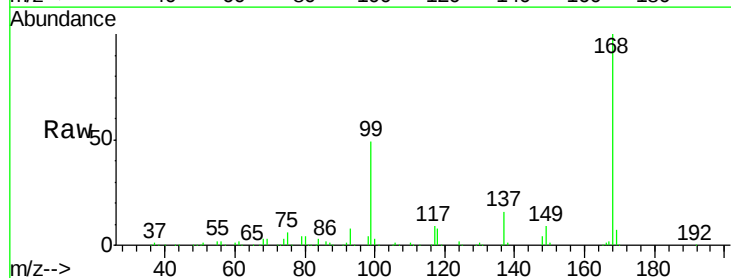
Instrument :
MSVOA_N
ClientSampleId :
EB03-20190116

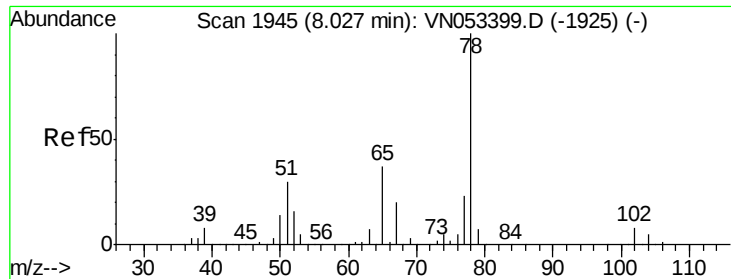
Tot Ion: 43 Resp: 1771
Ion Ratio Lower Upper
43 100
74 3.6 19.4 29.2#



#31
Cyclohexane
Concen: 0.727 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053471.D
Acq: 18 Jan 2019 14:50

Tgt Ion: 56 Resp: 14574
Ion Ratio Lower Upper
56 100
69 190.9 26.4 39.6#
84 157.5 67.9 101.9#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053471.D

Acq: 18 Jan 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

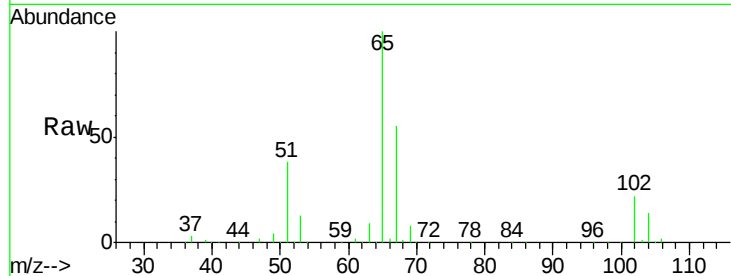
EB03-20190116

Tot Ion: 65 Resp: 451337

Ion Ratio Lower Upper

65 100

67 55.1 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053471.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053471.D (-1852) (-)

8.03

200000

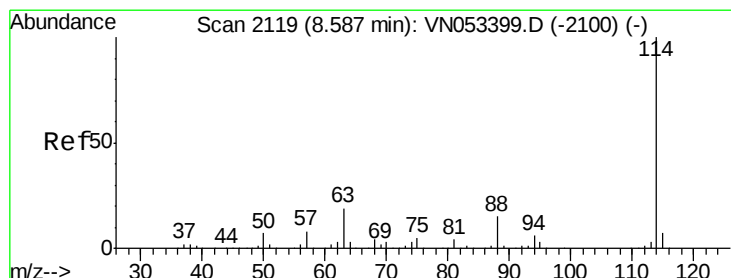
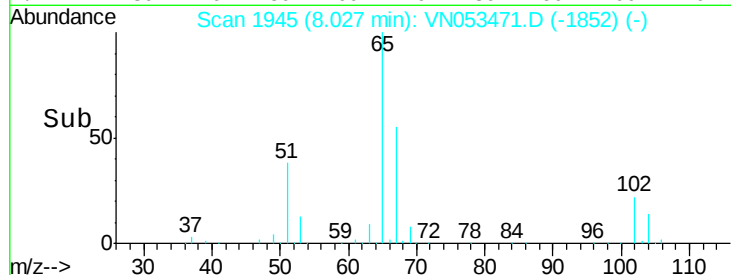
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053471.D

Acq: 18 Jan 2019 14:50

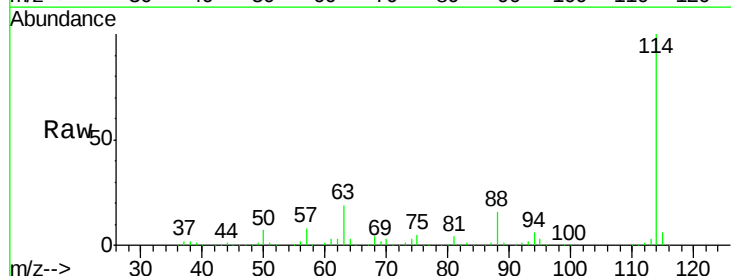
Tgt Ion: 114 Resp: 1383372

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

88 15.6 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053471.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053471.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053471.D (-2026) (-)

8.59

800000

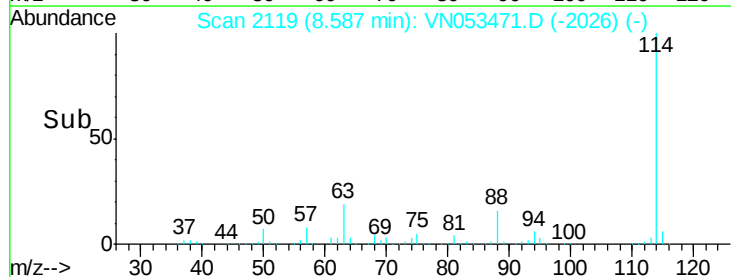
600000

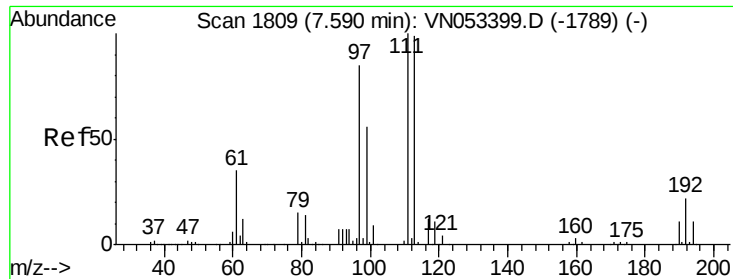
400000

200000

0

Time-->

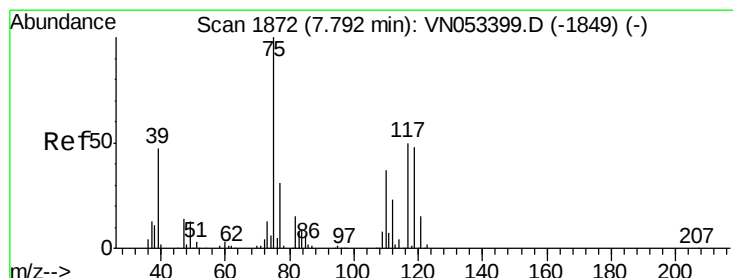
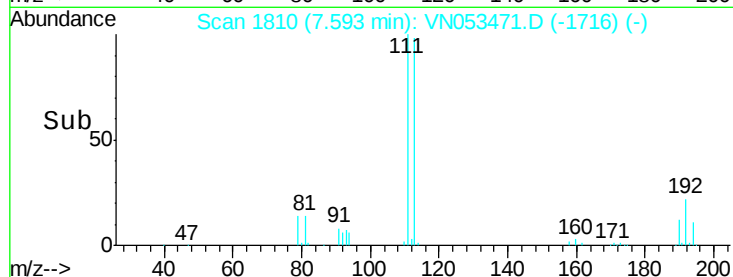
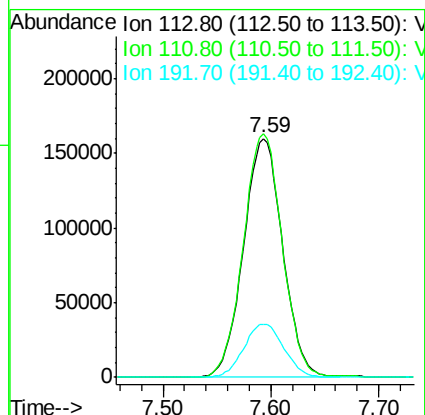
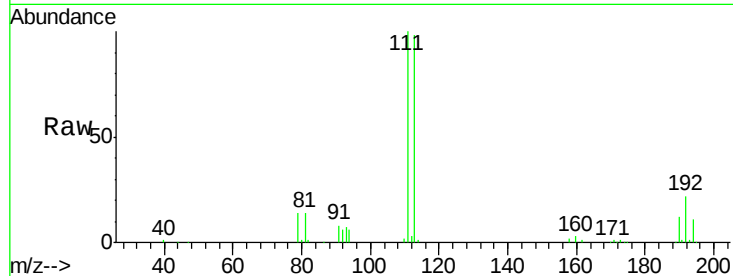




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053471.D
 Acq: 18 Jan 2019 14:50

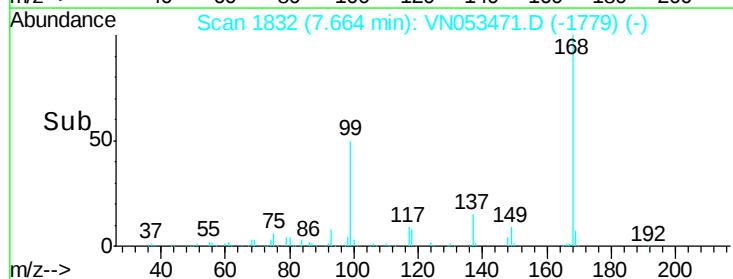
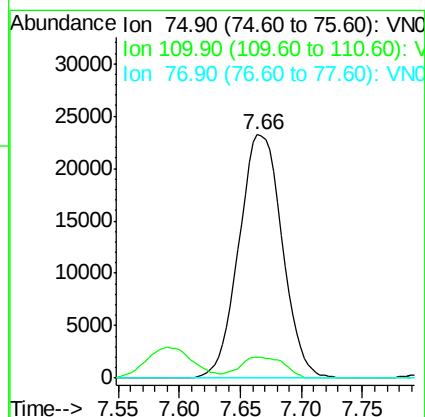
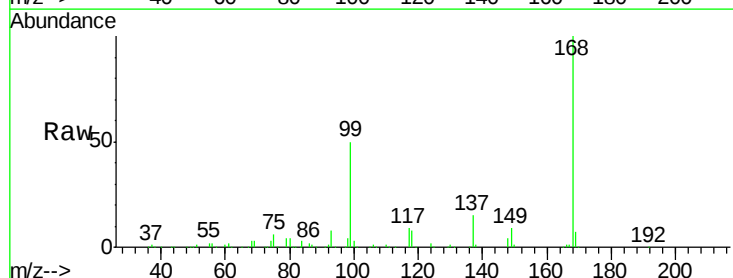
Instrument :
 MSVOA_N
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 EB03-20190116

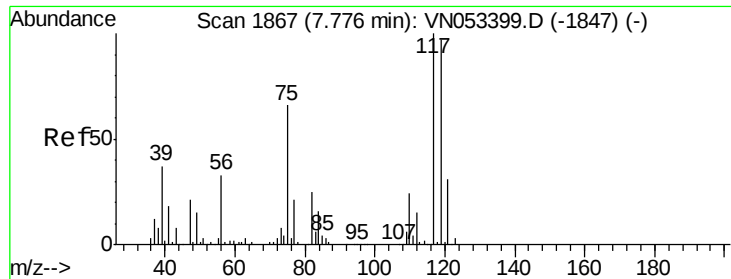
Tot Ion:113 Resp: 403199
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.1 121.7
 192 22.8 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 4.528 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053471.D
 Acq: 18 Jan 2019 14:50

Tgt Ion: 75 Resp: 57043
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.3#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.386 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053471.D

Acq: 18 Jan 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

EB03-20190116

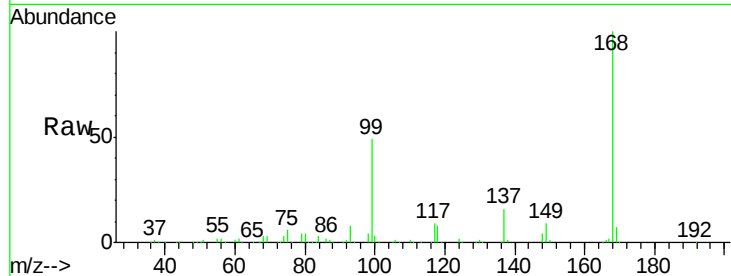
Tot Ion:117 Resp: 76171

Ion Ratio Lower Upper

117 100

119 5.6 77.2 115.8#

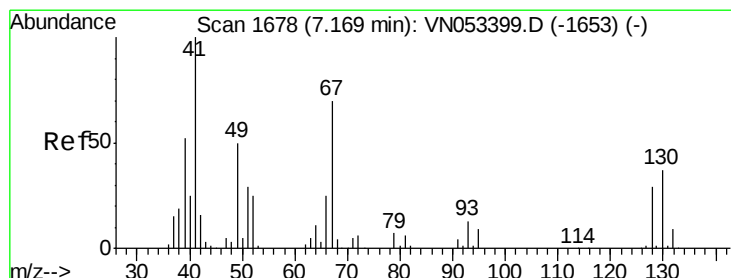
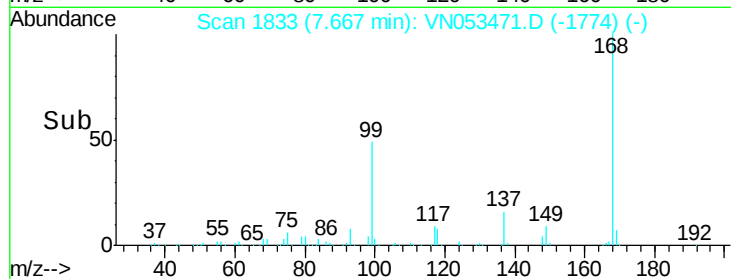
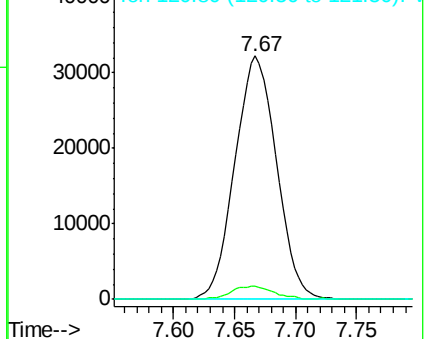
121 0.0 24.6 37.0#



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



#41

Methacrylonitrile

Concen: 0.674 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN053471.D

Acq: 18 Jan 2019 14:50

Tgt Ion: 41 Resp: 30

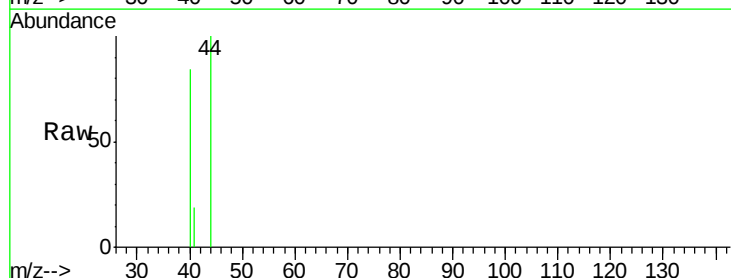
Ion Ratio Lower Upper

41 100

39 0.0 46.8 70.2#

67 0.0 63.0 94.6#

52 0.0 23.8 35.8#

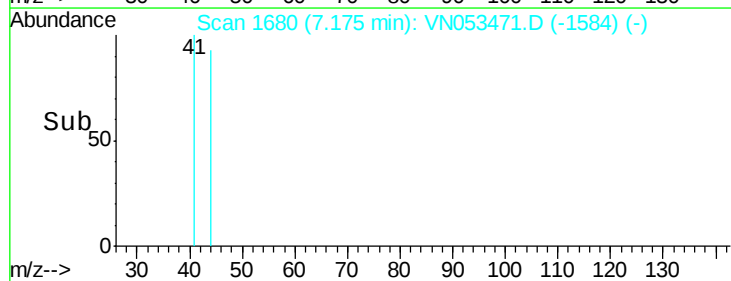
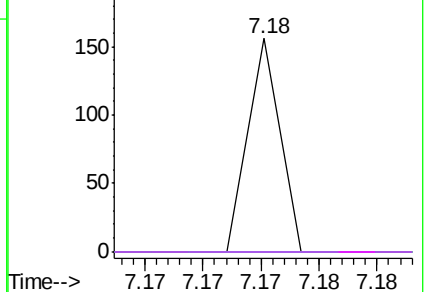


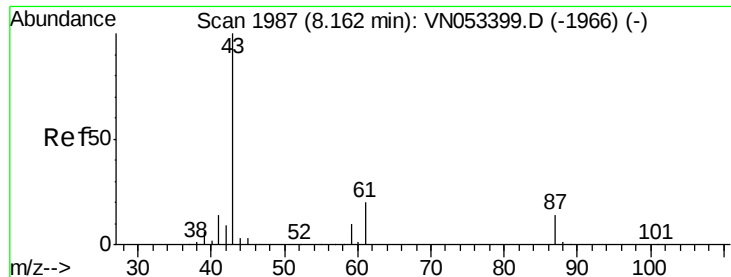
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 2.944 ug/l

RT: 8.27 min Scan# 2022

Delta R.T. 0.11 min

Lab File: VN053471.D

Acq: 18 Jan 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

EB03-20190116

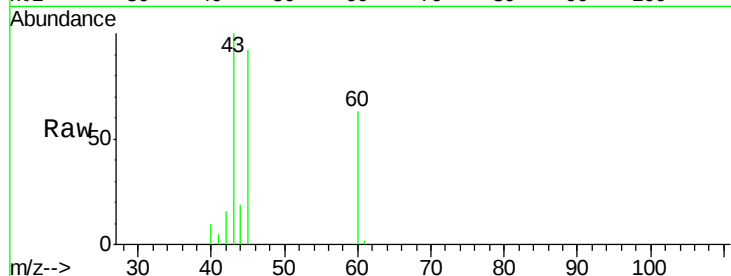
Tot Ion: 43 Resp: 38370

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

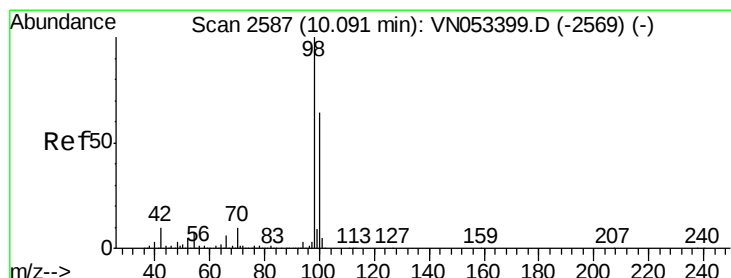
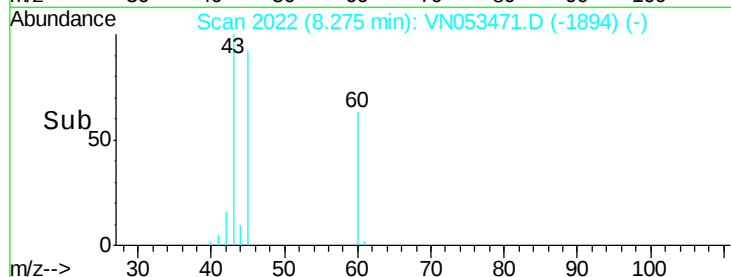
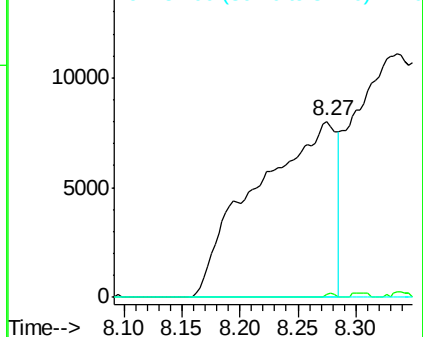
87 0.0 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053471.D

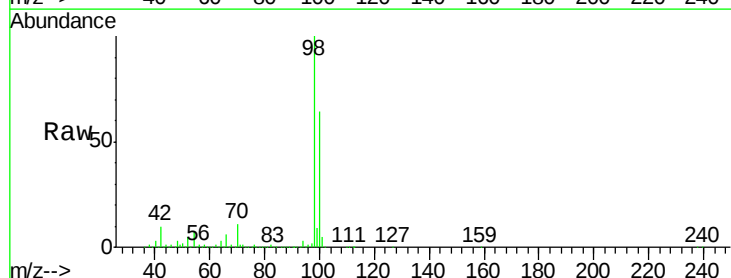
Acq: 18 Jan 2019 14:50

Tgt Ion: 98 Resp: 1714210

Ion Ratio Lower Upper

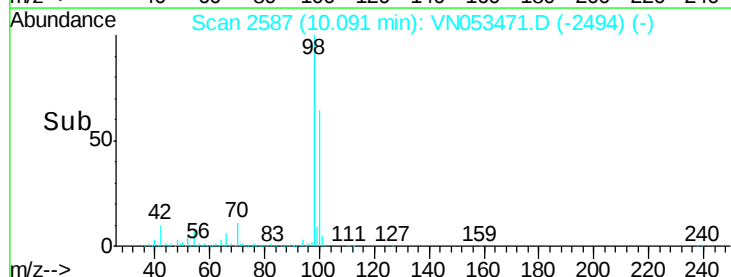
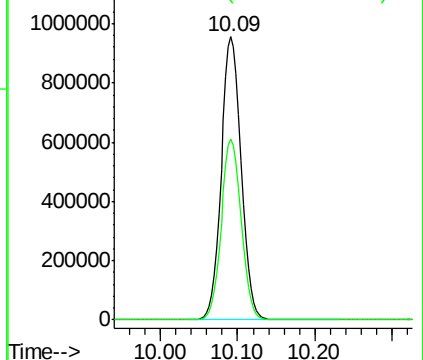
98 100

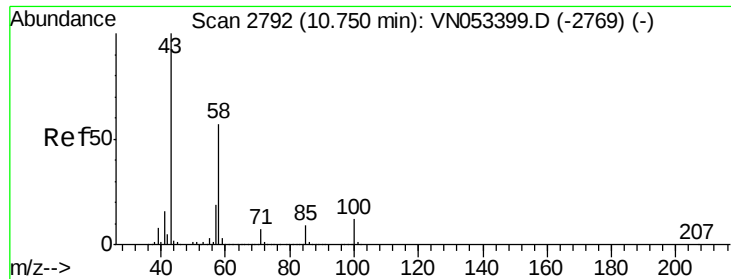
100 64.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

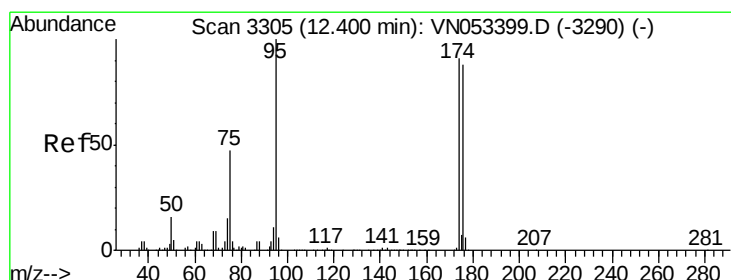
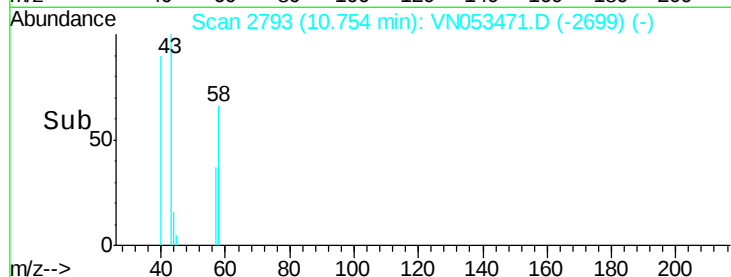
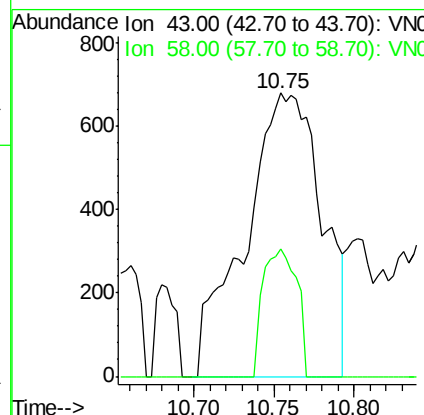
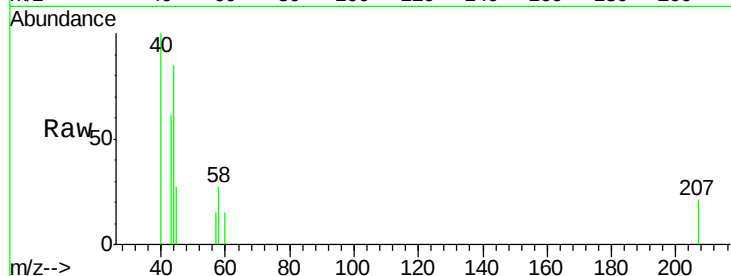




#59
2-Hexanone
Concen: 0.452 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053471.D
Acq: 18 Jan 2019 14:50

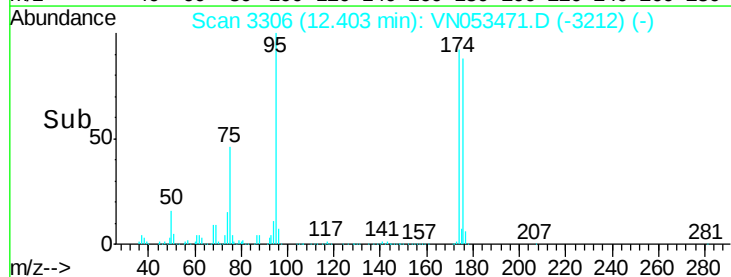
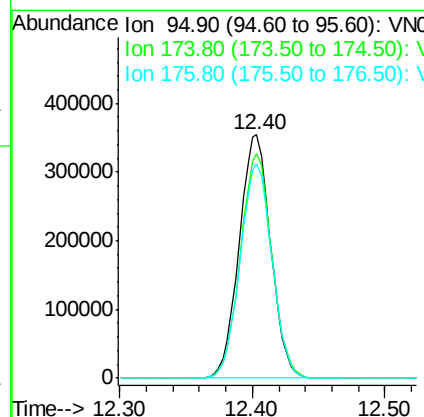
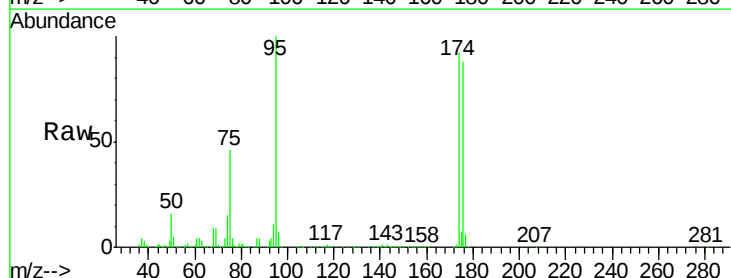
Instrument :
MSVOA_N
ClientSampleId :
EB03-20190116

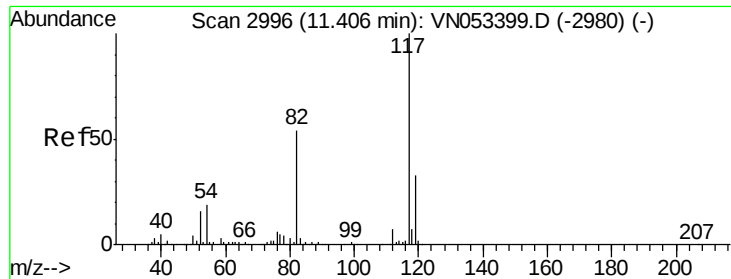
Tot Ion: 43 Resp: 2258
Ion Ratio Lower Upper
43 100
58 19.7 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053471.D
Acq: 18 Jan 2019 14:50

Tgt Ion: 95 Resp: 583358
Ion Ratio Lower Upper
95 100
174 92.2 0.0 183.2
176 89.1 0.0 177.4

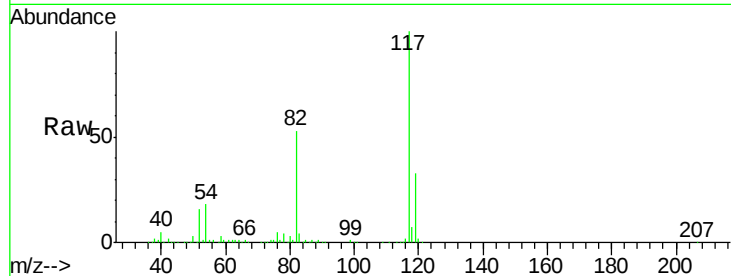




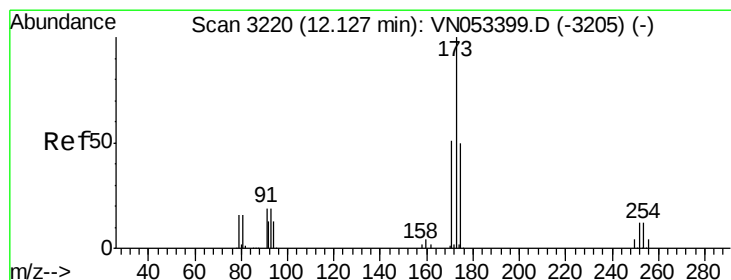
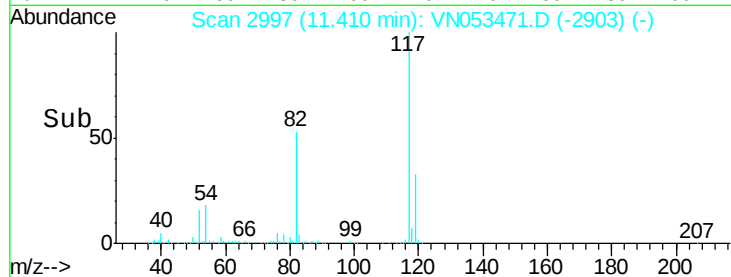
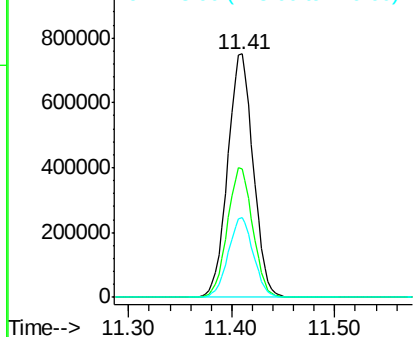
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053471.D
Acq: 18 Jan 2019 14:50

Instrument :
MSVOA_N
ClientSampleId :
EB03-20190116

Tot Ion:117 Resp: 1294723
Ion Ratio Lower Upper
117 100
82 52.9 42.9 64.3
119 32.8 26.0 39.0

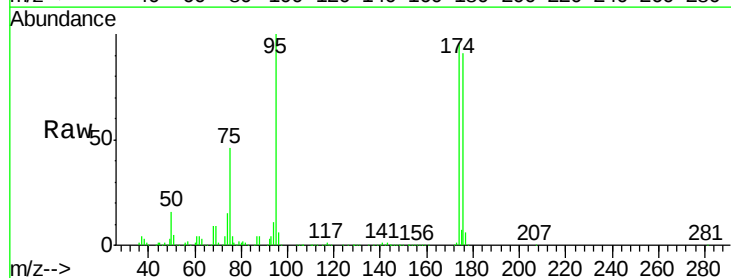


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

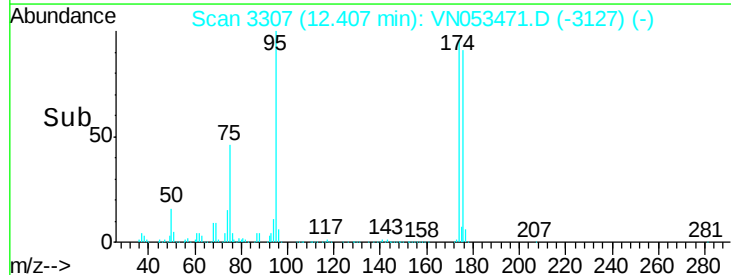
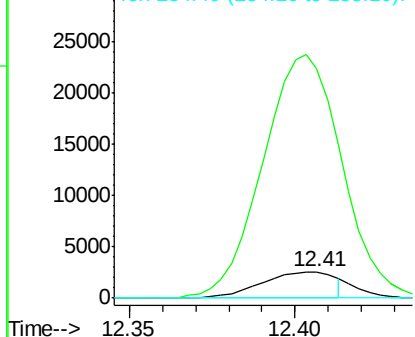


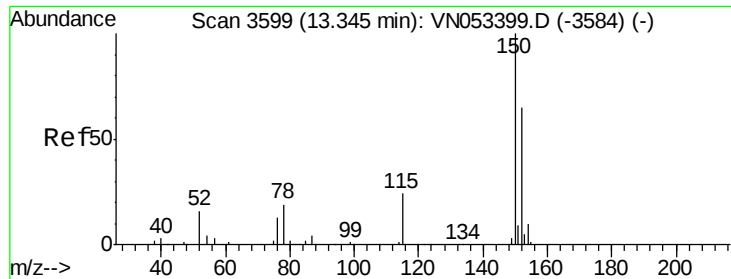
#71
Bromoform
Concen: 0.593 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN053471.D
Acq: 18 Jan 2019 14:50

Tgt Ion:173 Resp: 3889
Ion Ratio Lower Upper
173 100
175 883.9 24.6 74.0#
254 0.0 0.2 0.2#



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: VN053471.D

Acq: 18 Jan 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

EB03-20190116

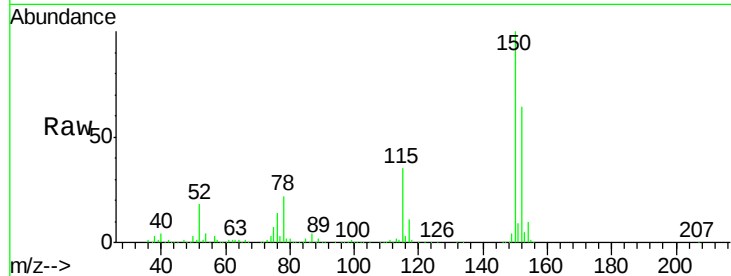
Tot Ion:152 Resp: 563803

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.4

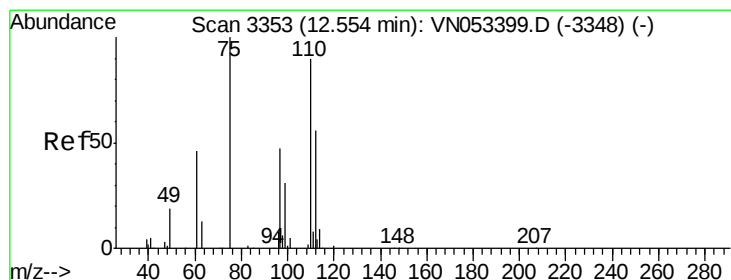
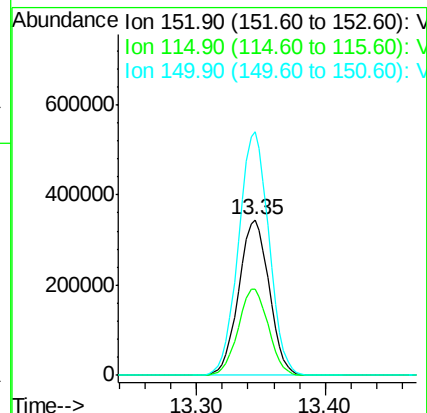
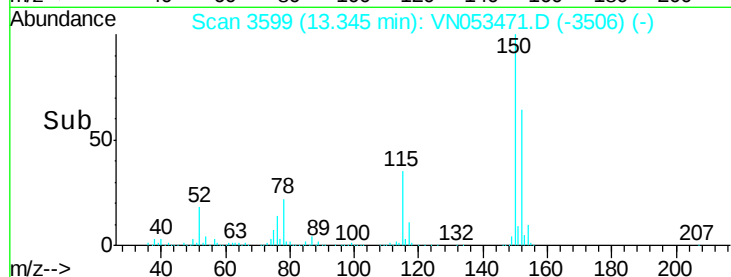
150 156.7 0.0 349.0



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: 36.573 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053471.D

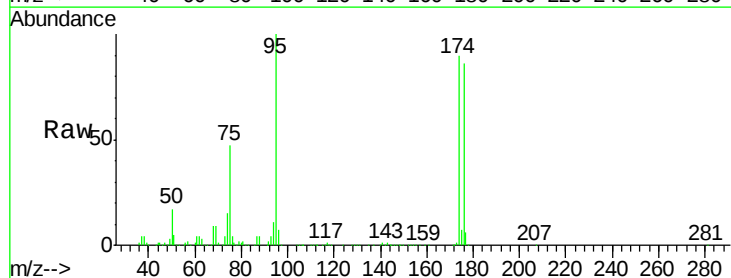
Acq: 18 Jan 2019 14:50

Tgt Ion: 75 Resp: 271732

Ion Ratio Lower Upper

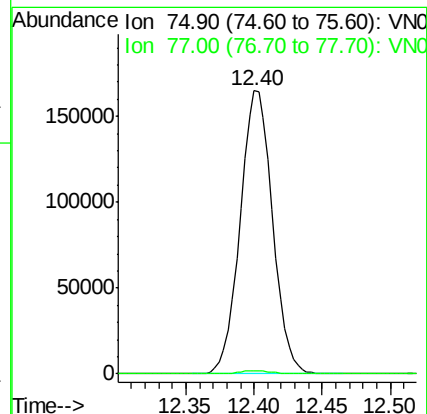
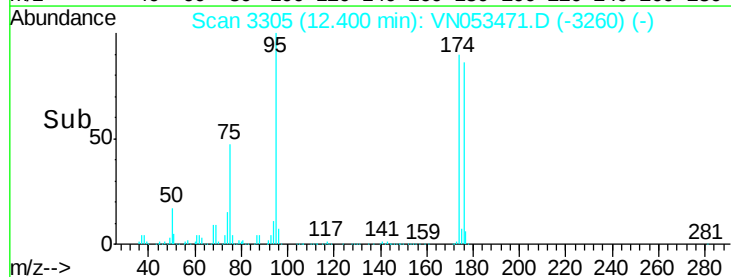
75 100

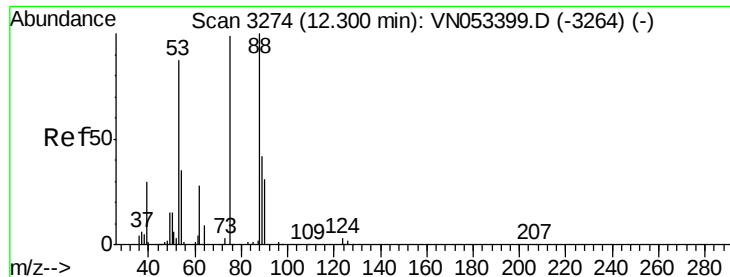
77 1.1 0.0 0.0#



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: 90.401 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053471.D

Acq: 18 Jan 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

EB03-20190116

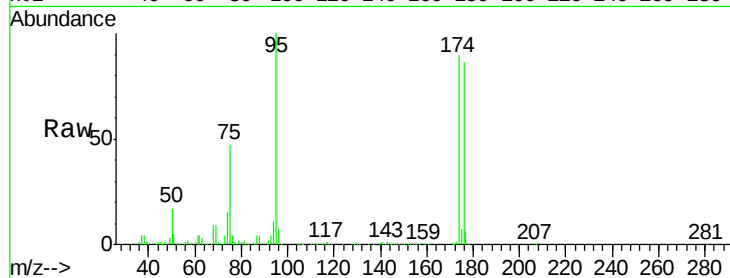
Tot Ion: 75 Resp: 271732

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

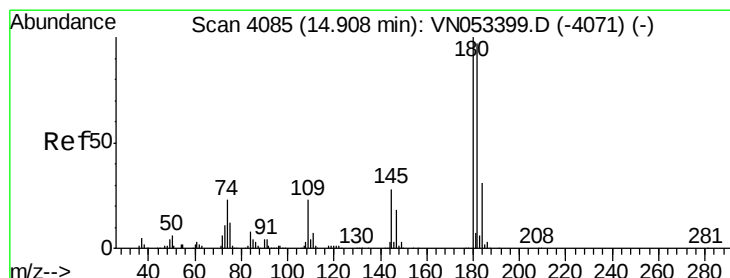
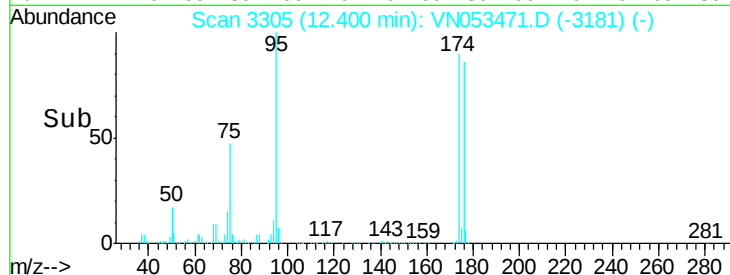
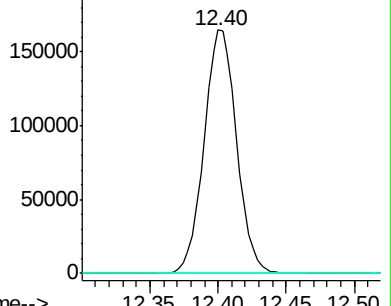
89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN053399.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN053399.D (-3264) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.390 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053471.D

Acq: 18 Jan 2019 14:50

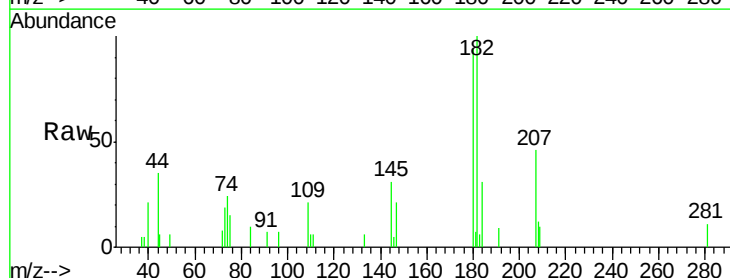
Tgt Ion:180 Resp: 5127

Ion Ratio Lower Upper

180 100

182 100.2 48.1 144.3

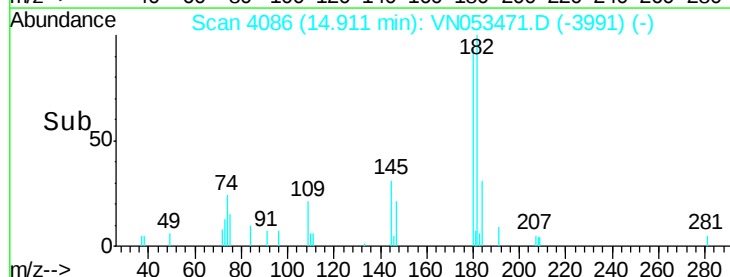
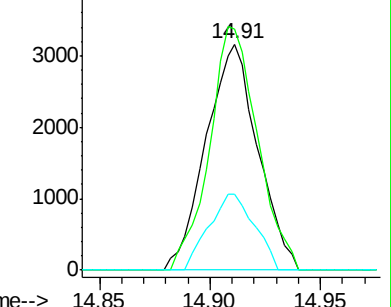
145 29.7 13.9 41.6

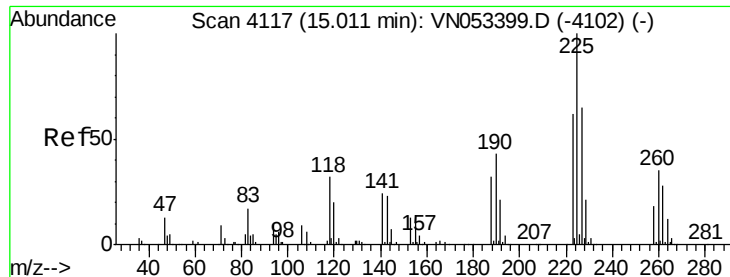


Abundance Ion 179.80 (179.50 to 180.50): VN053399.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN053399.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN053399.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: 0.306 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053471.D

Acq: 18 Jan 2019 14:50

Instrument :

MSVOA_N

ClientSampleId :

EB03-20190116

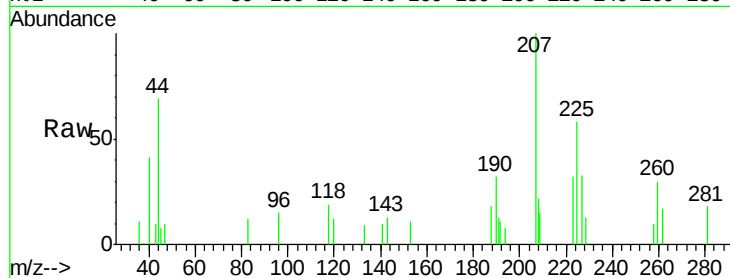
Tot Ion:225 Resp: 1678

Ion Ratio Lower Upper

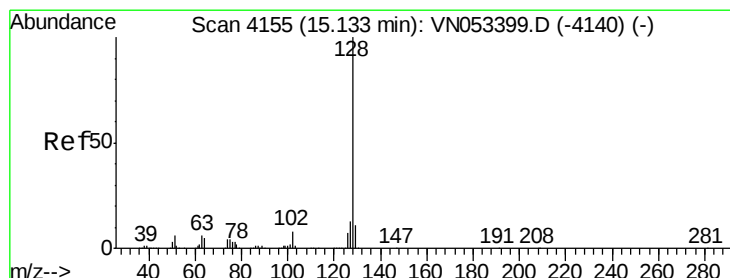
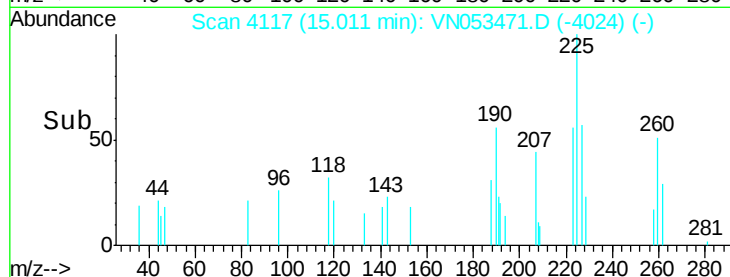
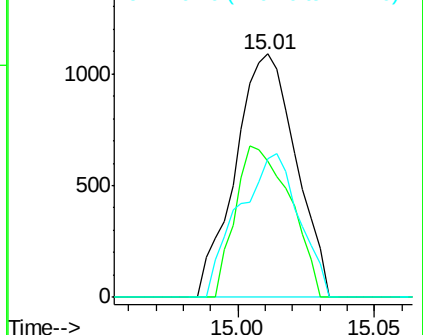
225 100

223 56.4 31.1 93.2

227 58.9 32.0 96.2



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: 4.757 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053471.D

Acq: 18 Jan 2019 14:50

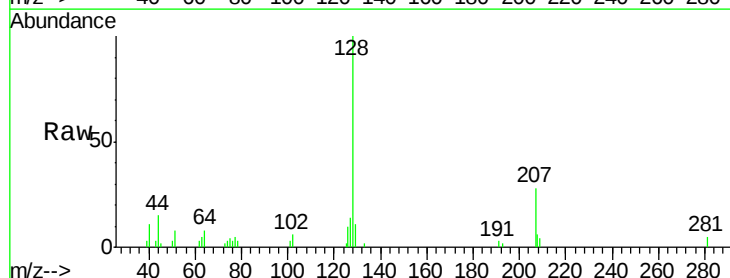
Tgt Ion:128 Resp: 12104

Ion Ratio Lower Upper

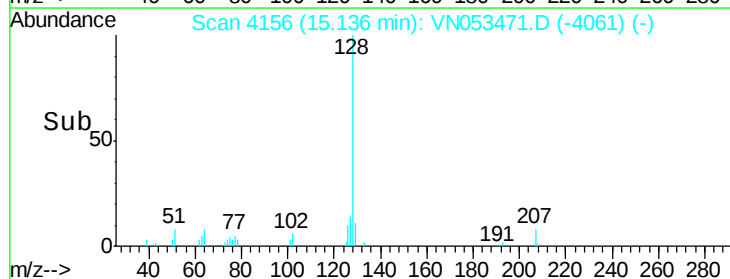
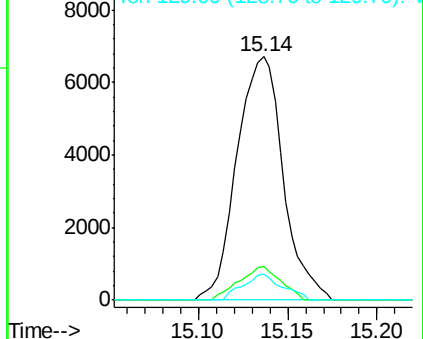
128 100

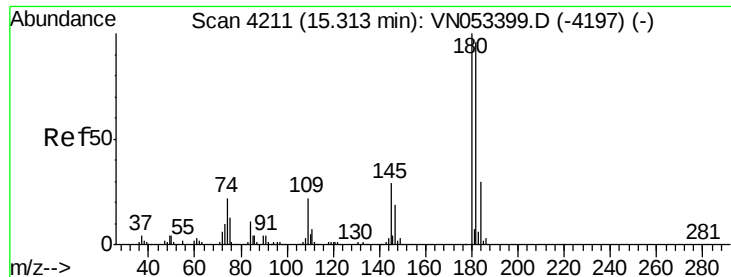
127 12.5 10.3 15.5

129 9.2 8.6 13.0



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: 4.832 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053471.D
 Acq: 18 Jan 2019 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 EB03-20190116

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.5	47.9	143.8
145	30.1	14.7	44.1

