

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\
 Data File : VN053414.D
 Acq On : 16 Jan 2019 10:21
 Operator : JC/SP
 Sample : VN0116WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBL01

Quant Time: Jan 17 03:51:58 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	872819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1360676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1272803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	577226	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	441009	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
35) Dibromofluoromethane	7.59	113	410219	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
50) Toluene-d8	10.09	98	1683004	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.40	95	585393	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	

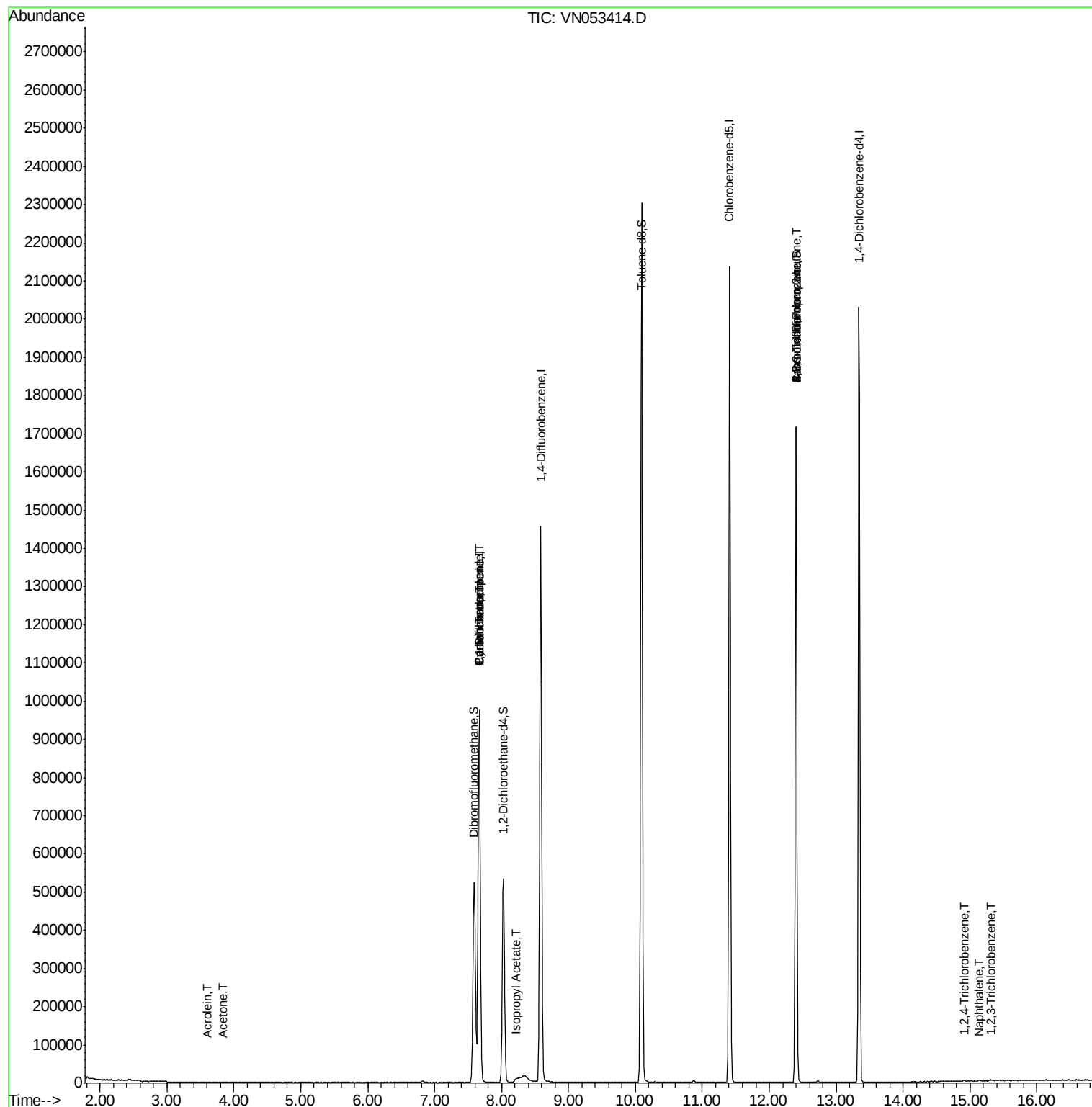
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	29	22.770	ug/l #	58
16) Acetone	3.82	43	1054	0.521	ug/l #	41
31) Cyclohexane	7.66	56	13693	0.683	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	55481	4.477	ug/l #	49
38) Carbon Tetrachloride	7.67	117	76407	6.513	ug/l #	15
43) Isopropyl Acetate	8.20	43	4464	0.348	ug/l #	51
71) Bromoform	12.40	173	3876	0.601	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	275252	36.185	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	275252	89.470	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	1067	2.893	ug/l #	81
95) Naphthalene	15.14	128	2174	4.082	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.31	180	1377	4.122	ug/l	81

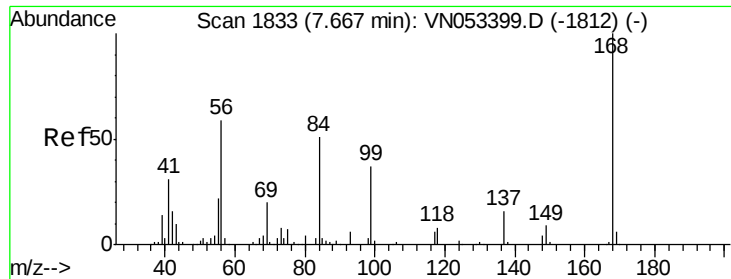
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN011619\
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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: VN053414.D

Acq: 16 Jan 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

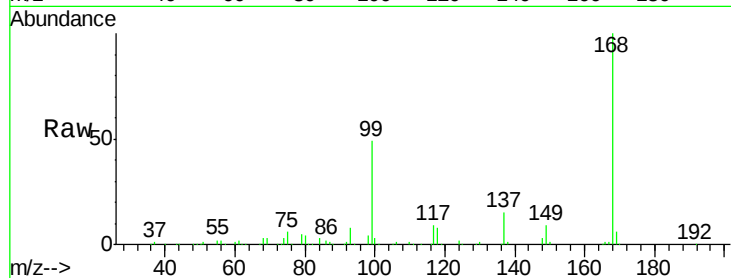
VN0116WBL01

Tot Ion:168 Resp: 872819

Ion Ratio Lower Upper

168 100

99 49.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053399.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN053399.D (-1812) (-)

7.67

400000

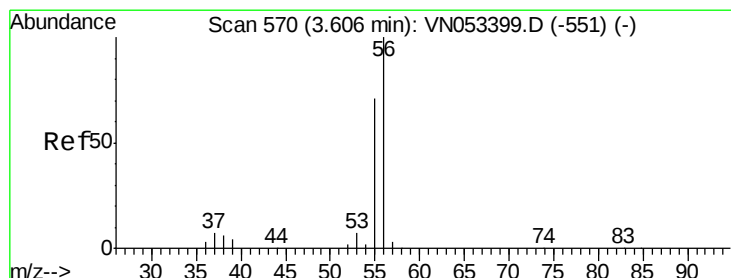
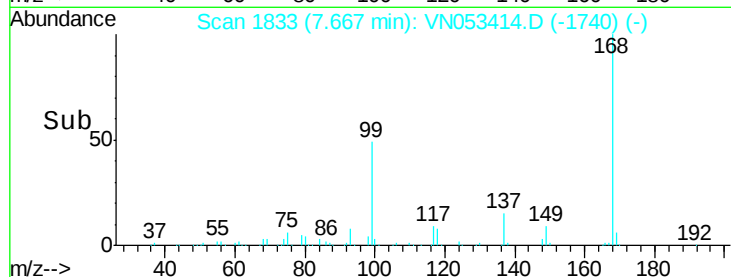
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 22.770 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053414.D

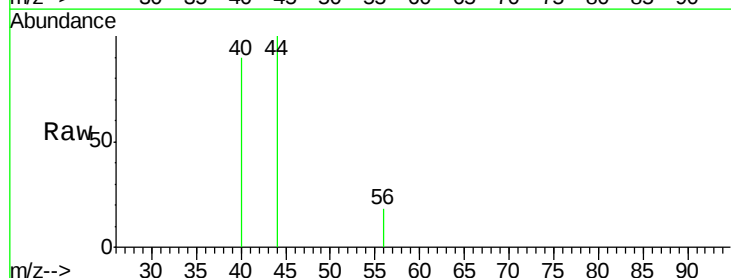
Acq: 16 Jan 2019 10:21

Tgt Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 106.9 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN053399.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN053399.D (-551) (-)

3.61

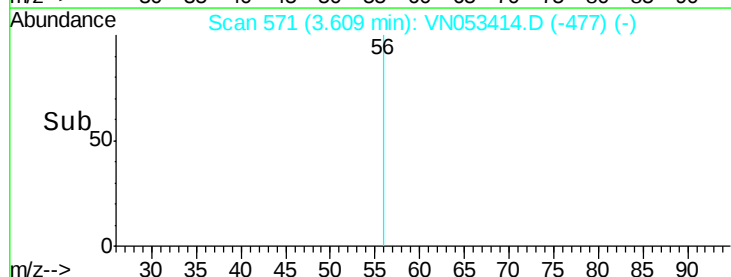
150

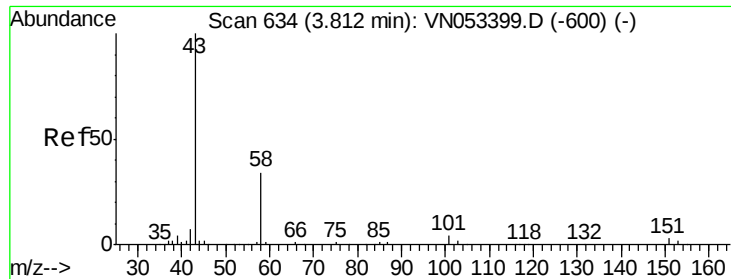
100

50

0

Time-->





#16

Acetone

Concen: 0.521 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053414.D

Acq: 16 Jan 2019 10:21

Instrument :

MSVOA_N

ClientSampled :

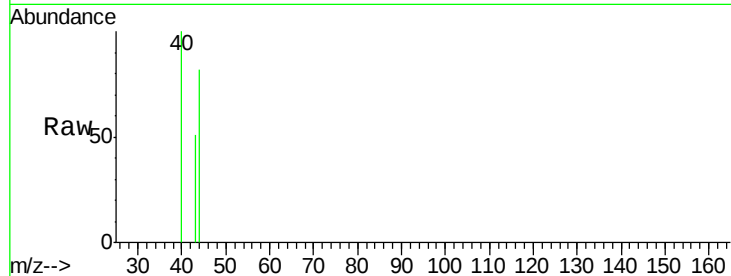
VN0116WBL01

Tot Ion: 43 Resp: 1054

Ion Ratio Lower Upper

43 100

58 0.0 27.1 40.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

400

300

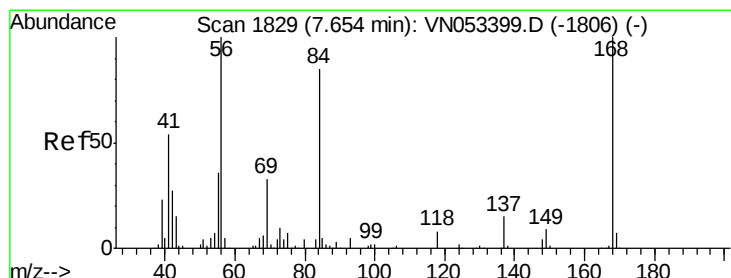
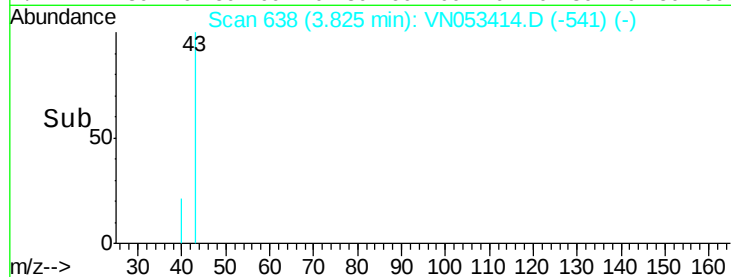
200

100

0

3.80 3.85

Time-->



#31

Cyclohexane

Concen: 0.683 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053414.D

Acq: 16 Jan 2019 10:21

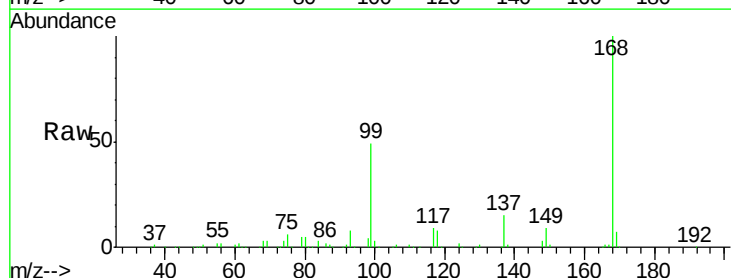
Tgt Ion: 56 Resp: 13693

Ion Ratio Lower Upper

56 100

69 183.2 26.4 39.6#

84 176.9 67.9 101.9#



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

15000

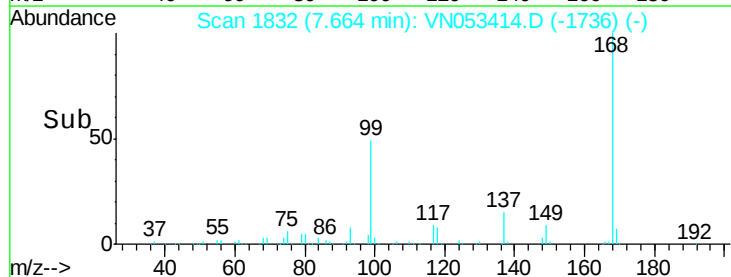
10000

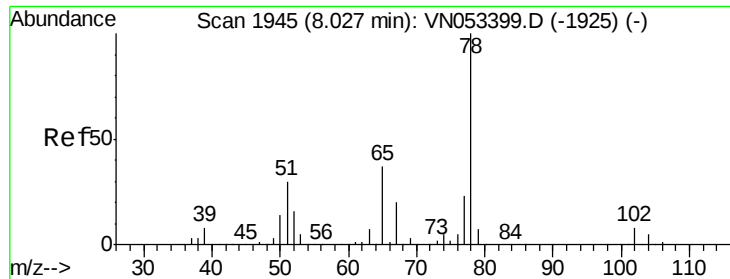
5000

0

7.60 7.65 7.70 7.75

Time-->

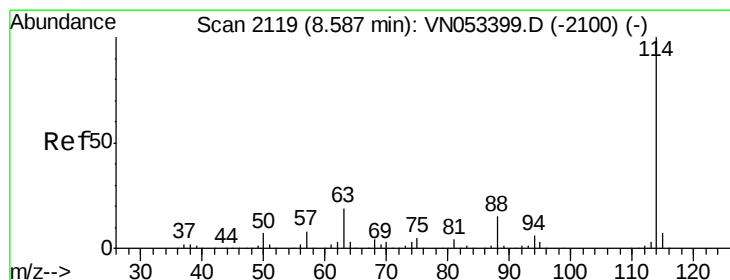
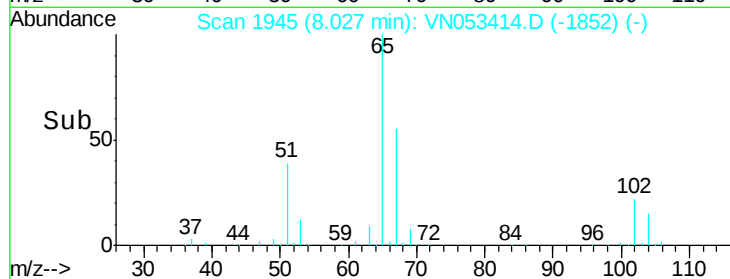
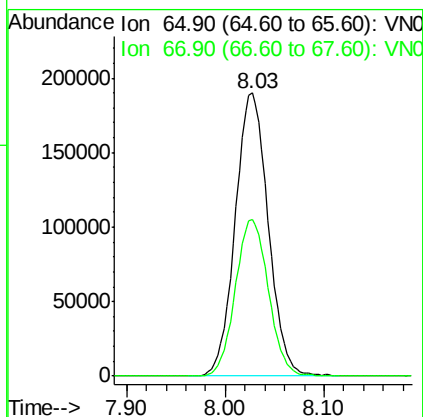
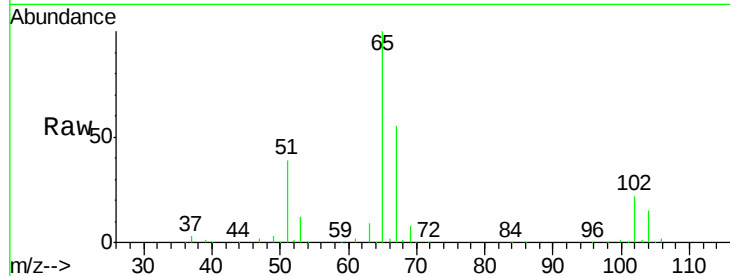




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053414.D
 Acq: 16 Jan 2019 10:21

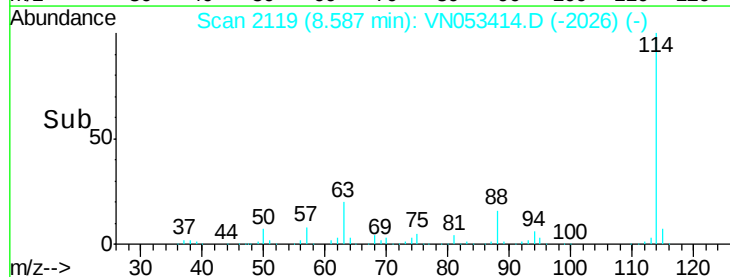
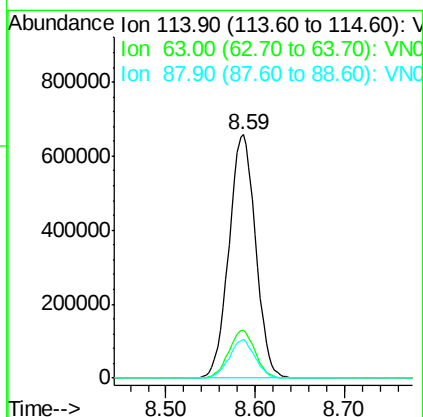
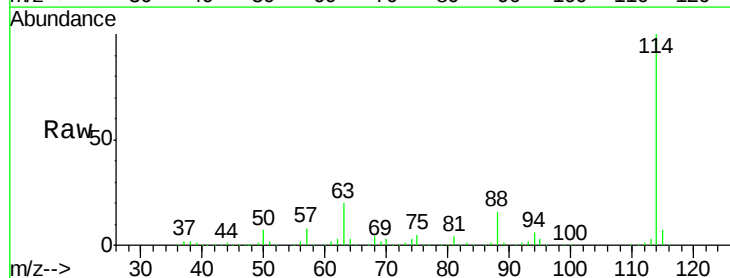
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBL01

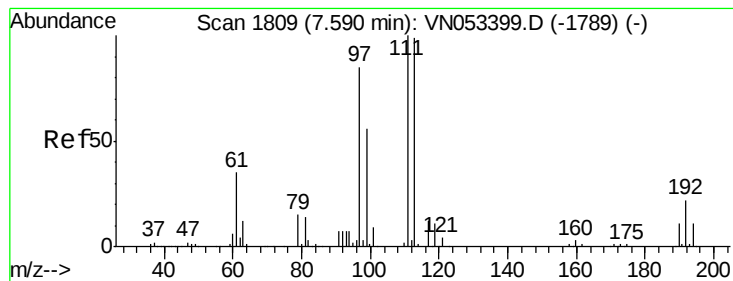
Tot Ion: 65 Resp: 441009
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053414.D
 Acq: 16 Jan 2019 10:21

Tgt Ion: 114 Resp: 1360676
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053414.D

Acq: 16 Jan 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBL01

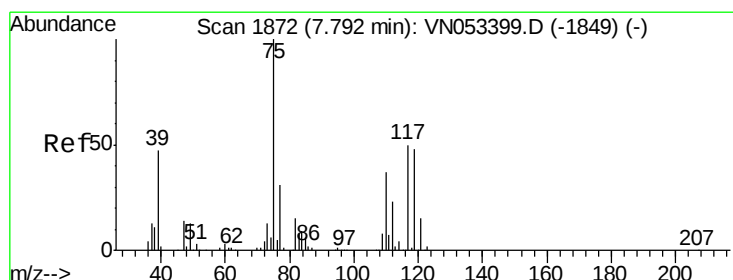
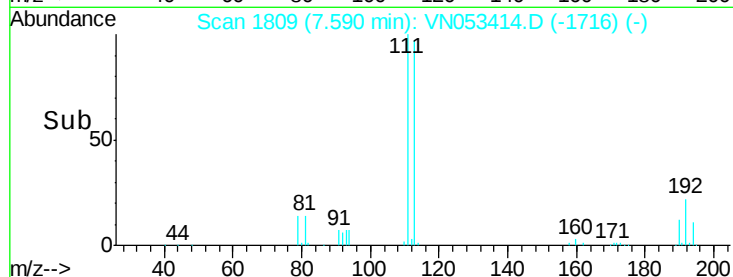
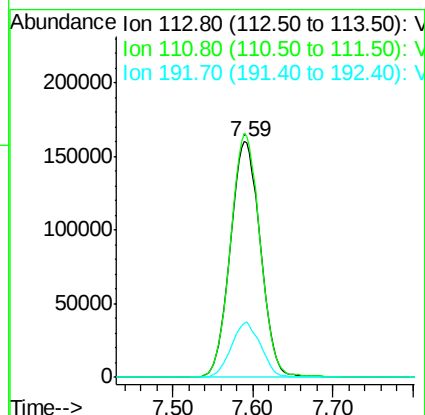
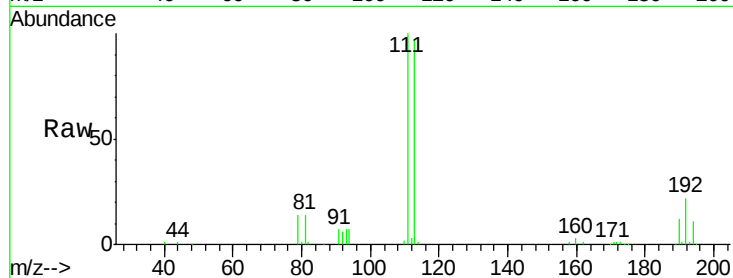
Tot Ion:113 Resp: 410219

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: 4.477 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053414.D

Acq: 16 Jan 2019 10:21

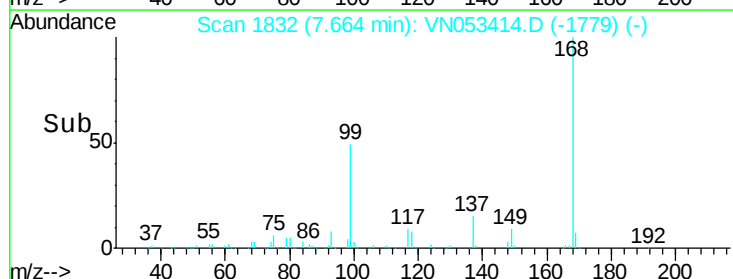
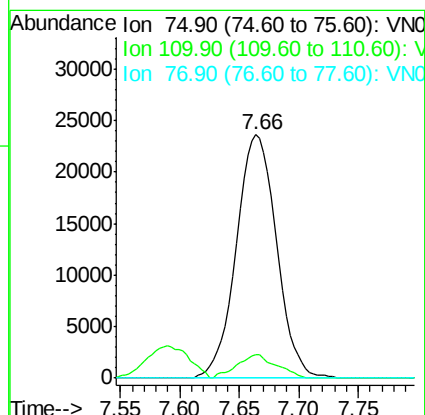
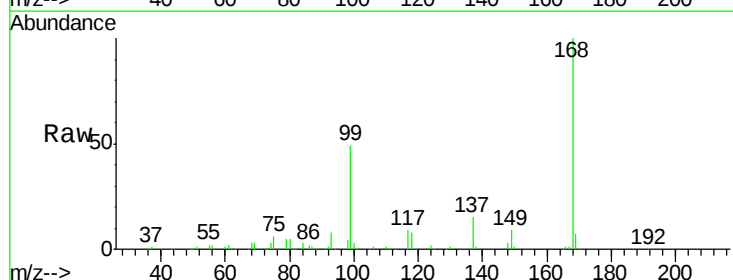
Tgt Ion: 75 Resp: 55481

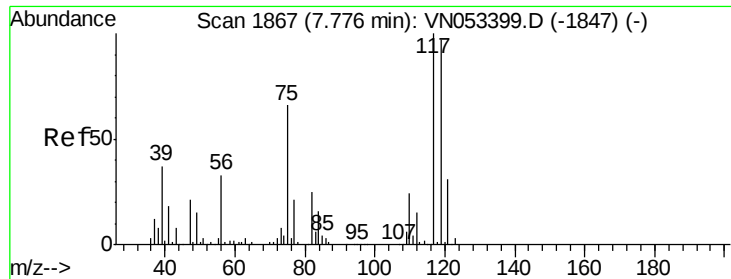
Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.3#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.513 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053414.D

Acq: 16 Jan 2019 10:21

Instrument :

MSVOA_N

ClientSampled :

VN0116WBL01

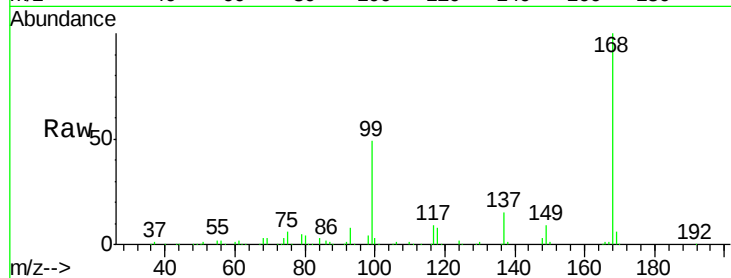
Tot Ion:117 Resp: 76407

Ion Ratio Lower Upper

117 100

119 4.2 77.2 115.8#

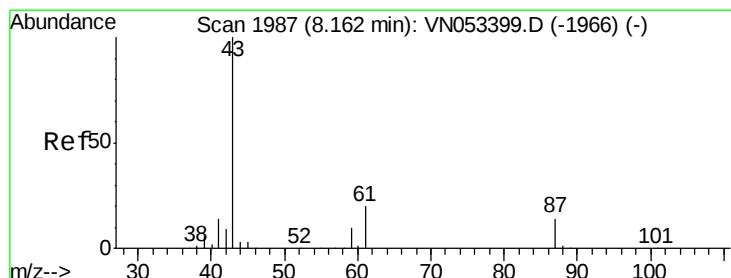
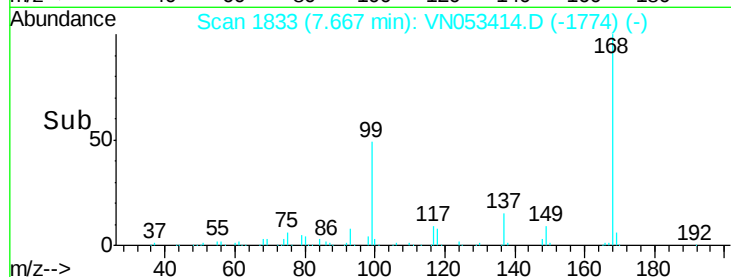
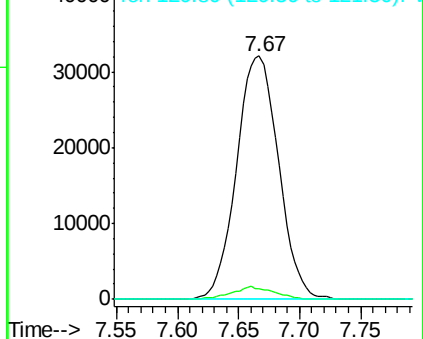
121 0.0 24.6 37.0#



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



#43

Isopropyl Acetate

Concen: 0.348 ug/l

RT: 8.20 min Scan# 2000

Delta R.T. 0.04 min

Lab File: VN053414.D

Acq: 16 Jan 2019 10:21

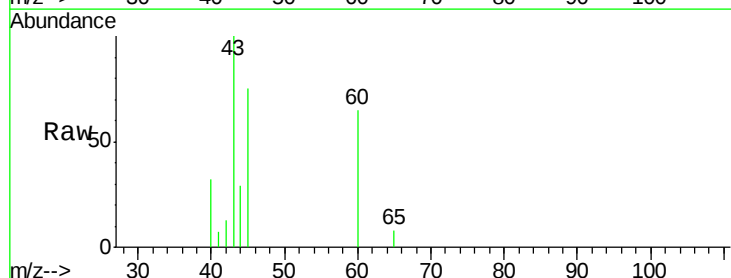
Tgt Ion: 43 Resp: 4464

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

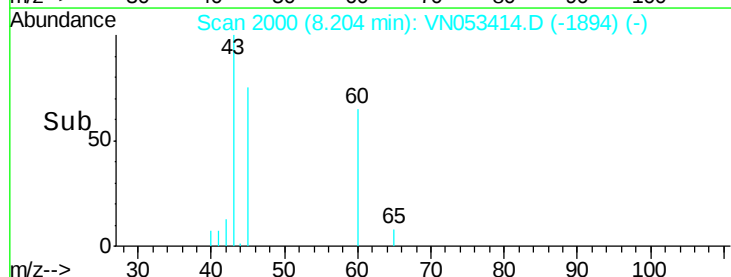
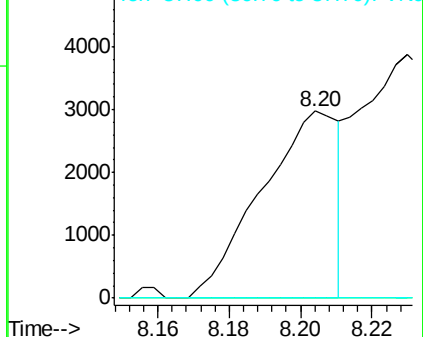
87 0.0 11.0 16.6#

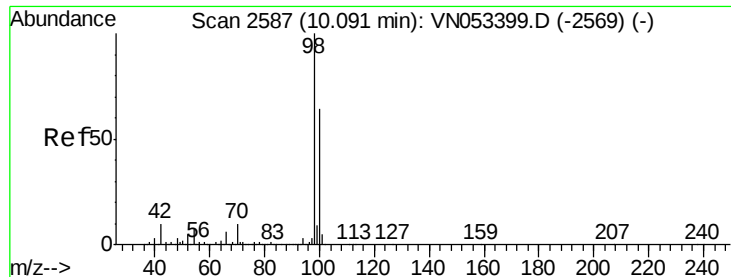


Abundance Ion 43.00 (42.70 to 43.70): V

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: VN053414.D

Acq: 16 Jan 2019 10:21

Instrument :

MSVOA_N

ClientSampled :

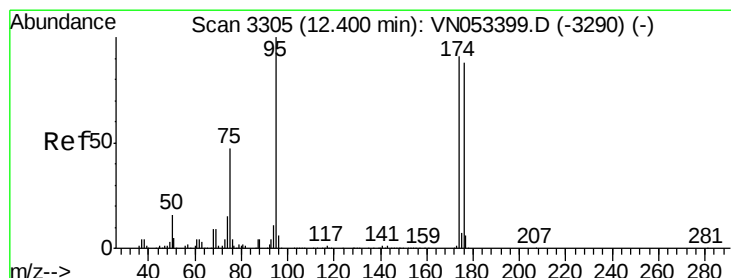
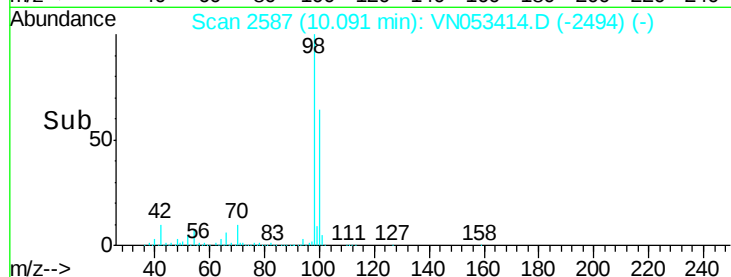
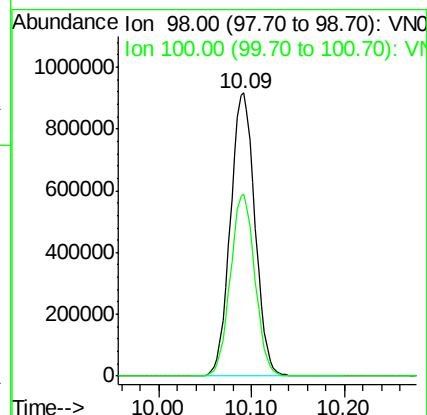
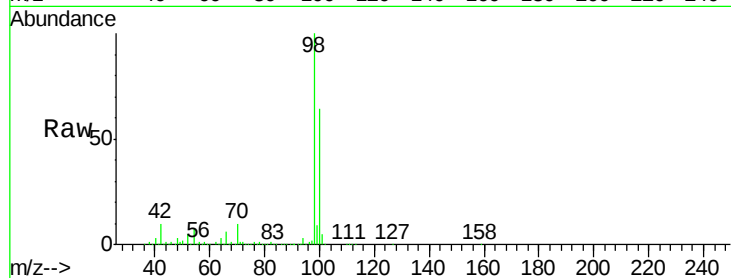
VN0116WBL01

Tot Ion: 98 Resp: 1683004

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053414.D

Acq: 16 Jan 2019 10:21

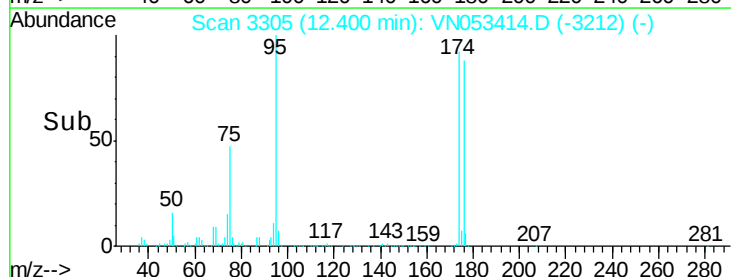
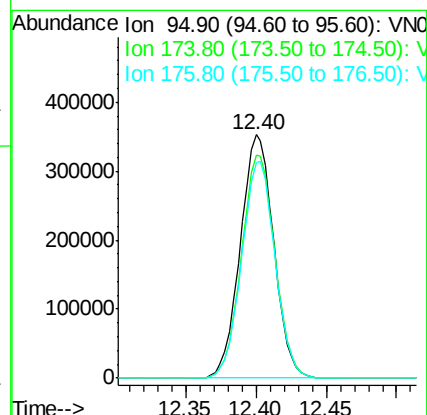
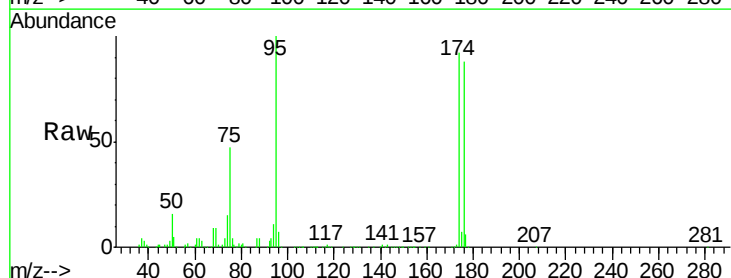
Tgt Ion: 95 Resp: 585393

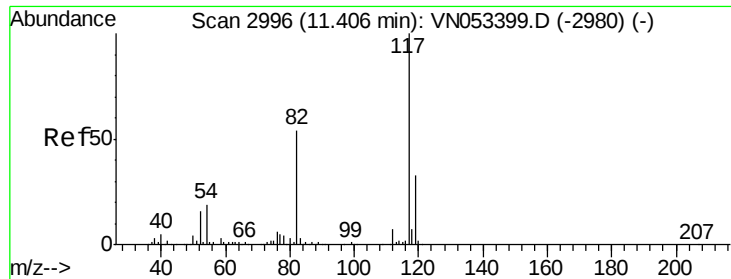
Ion Ratio Lower Upper

95 100

174 92.0 0.0 183.2

176 89.0 0.0 177.4

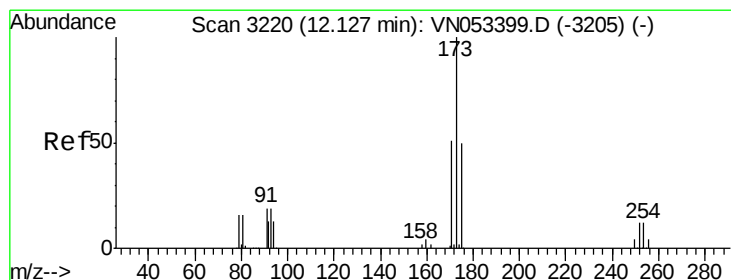
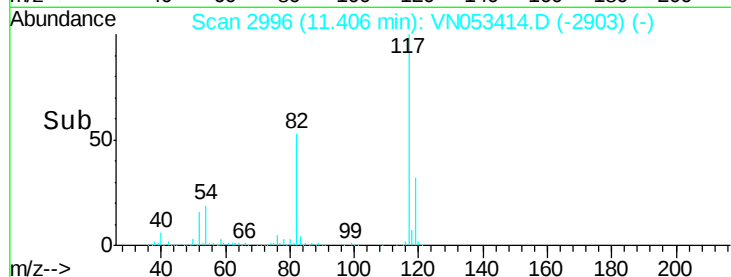
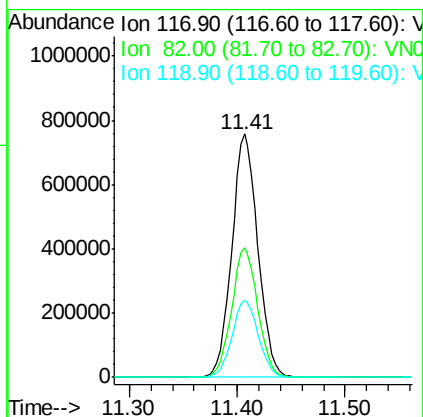
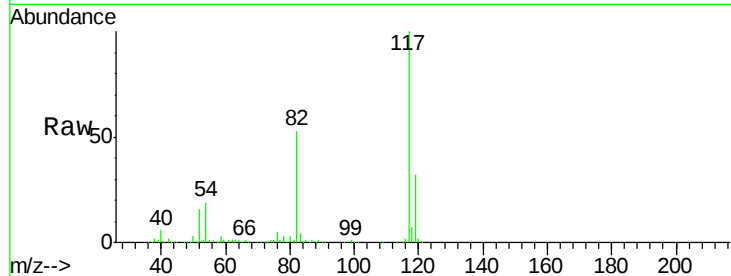




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053414.D
Acq: 16 Jan 2019 10:21

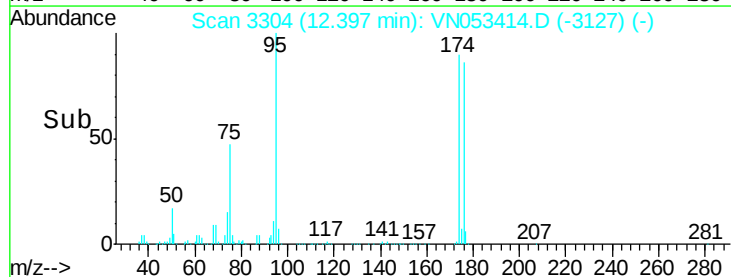
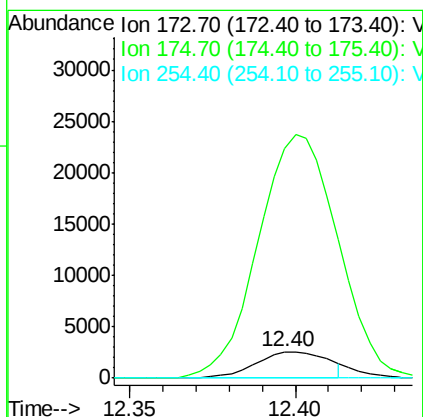
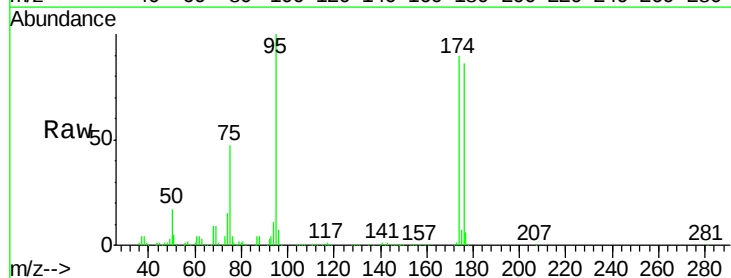
Instrument :
MSVOA_N
ClientSampleId :
VN0116WBL01

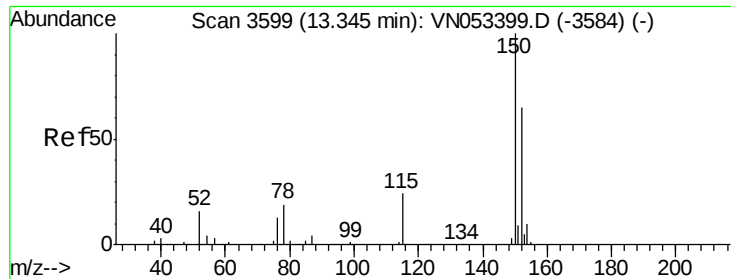
Tot Ion:117 Resp: 1272803
Ion Ratio Lower Upper
117 100
82 53.4 42.9 64.3
119 31.9 26.0 39.0



#71
Bromoform
Concen: 0.601 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN053414.D
Acq: 16 Jan 2019 10:21

Tgt Ion:173 Resp: 3876
Ion Ratio Lower Upper
173 100
175 912.3 24.6 74.0#
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: VN053414.D

Acq: 16 Jan 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBL01

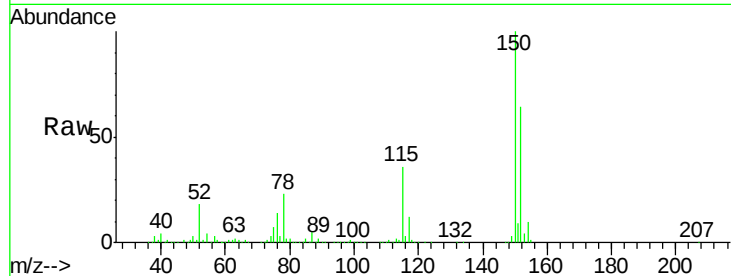
Tot Ion:152 Resp: 577226

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.4

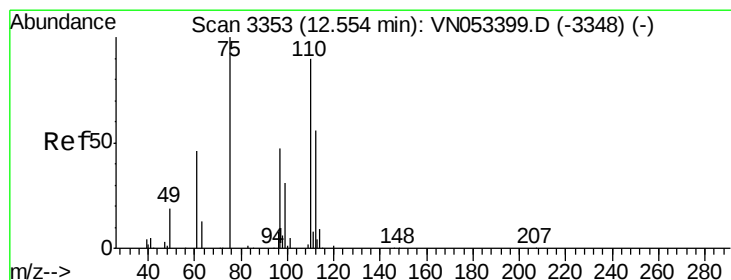
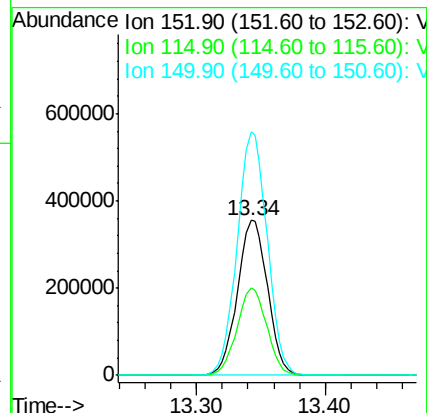
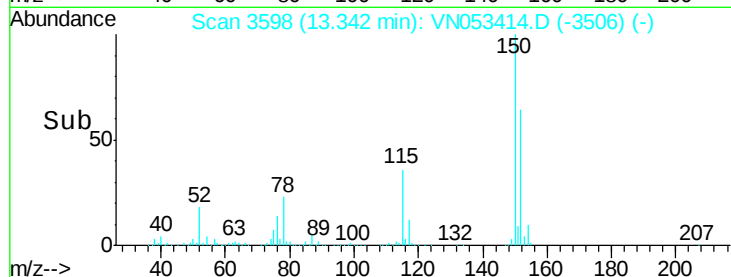
150 156.2 0.0 349.0



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: 36.185 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053414.D

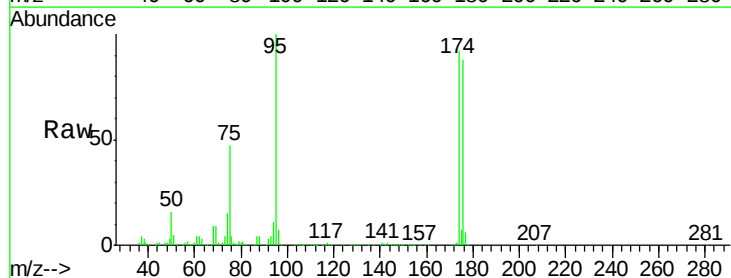
Acq: 16 Jan 2019 10:21

Tgt Ion: 75 Resp: 275252

Ion Ratio Lower Upper

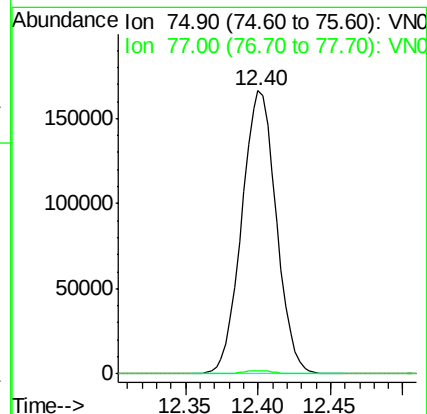
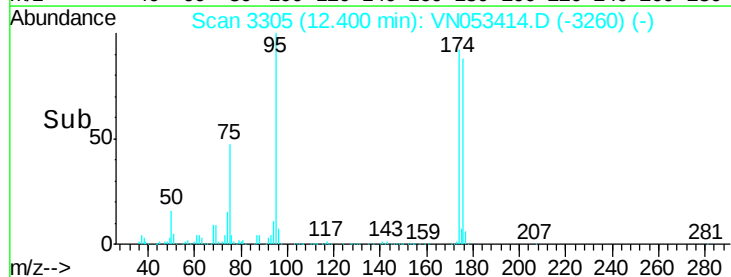
75 100

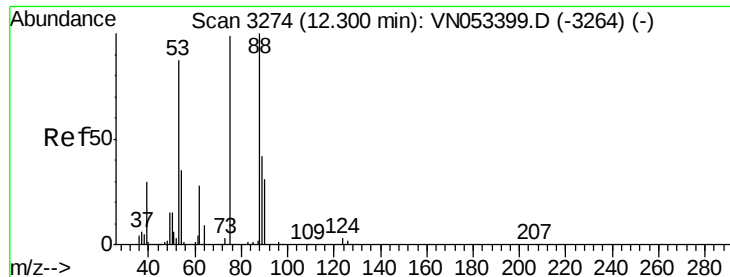
77 1.1 0.0 0.0#



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: 89.470 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053414.D

Acq: 16 Jan 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBL01

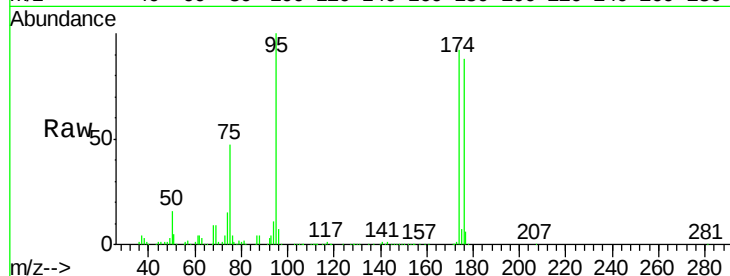
Tot Ion: 75 Resp: 275252

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

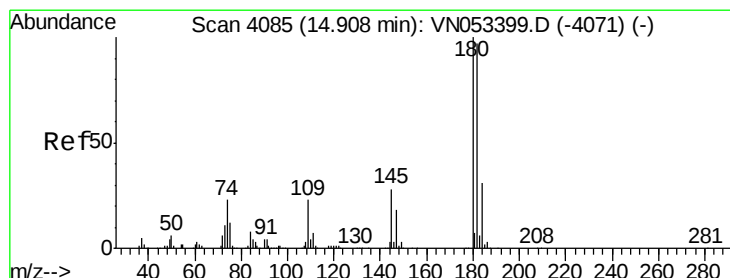
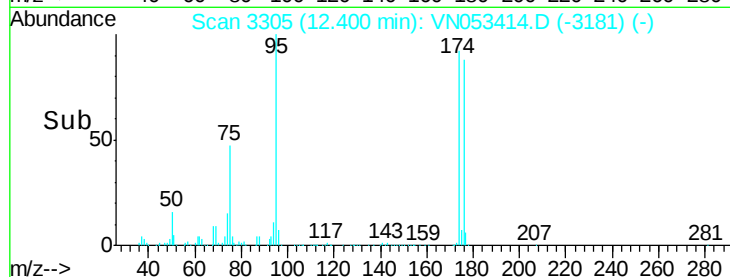
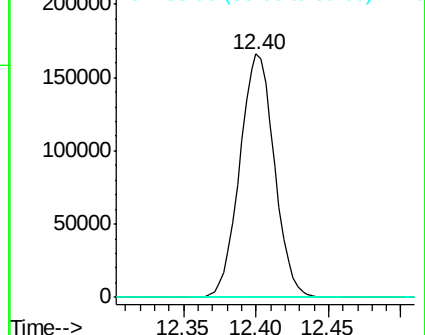
89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2,4-Trichlorobenzene

Concen: 2.893 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053414.D

Acq: 16 Jan 2019 10:21

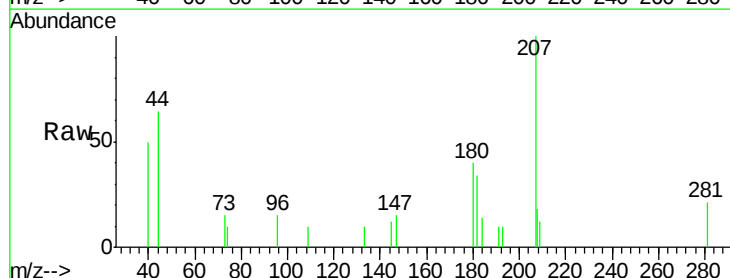
Tgt Ion: 180 Resp: 1067

Ion Ratio Lower Upper

180 100

182 81.4 48.1 144.3

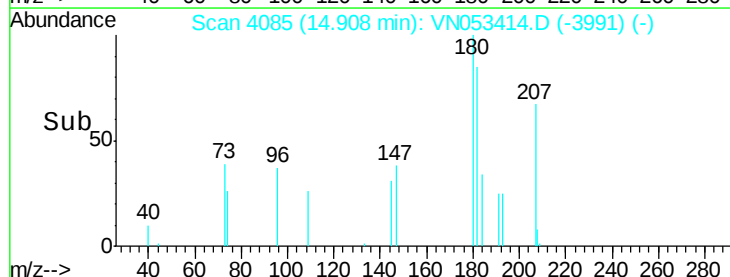
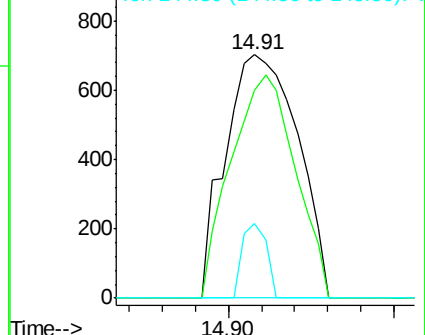
145 10.3 13.9 41.6#

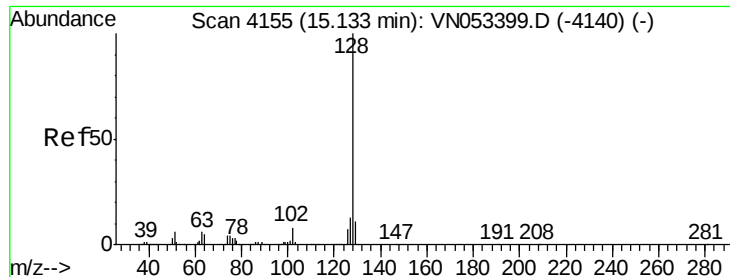


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 4.082 ug/l

RT: 15.14 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN053414.D

Acq: 16 Jan 2019 10:21

Instrument :

MSVOA_N

ClientSampled :

VN0116WBL01

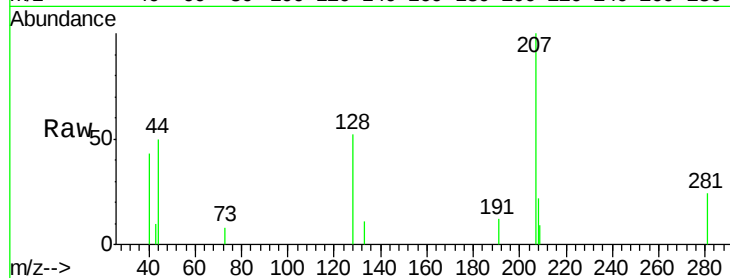
Tot Ion:128 Resp: 2174

Ion Ratio Lower Upper

128 100

127 12.3 10.3 15.5

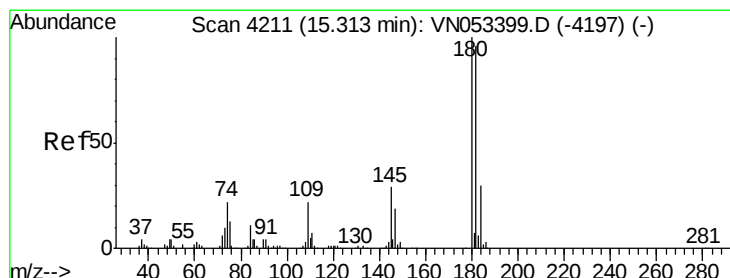
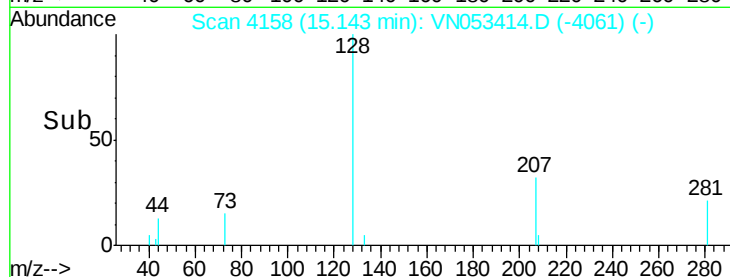
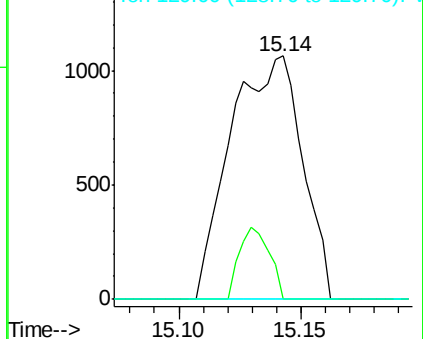
129 0.0 8.6 13.0#



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: 4.122 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN053414.D

Acq: 16 Jan 2019 10:21

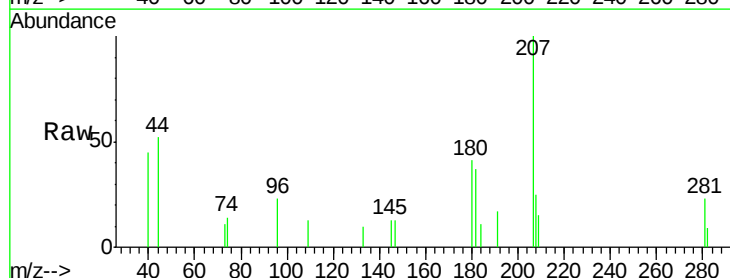
Tgt Ion:180 Resp: 1377

Ion Ratio Lower Upper

180 100

182 77.8 47.9 143.8

145 18.3 14.7 44.1



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

