

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
 Data File : VN053523.D
 Acq On : 22 Jan 2019 16:56
 Operator : JC/SP
 Sample : K1215-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP04-20190118

Quant Time: Jan 23 02:55:53 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	804276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1253731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1165539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	496453	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	408389	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
35) Dibromofluoromethane	7.59	113	371092	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
50) Toluene-d8	10.09	98	1538865	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.40	95	515456	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	

Target Compounds

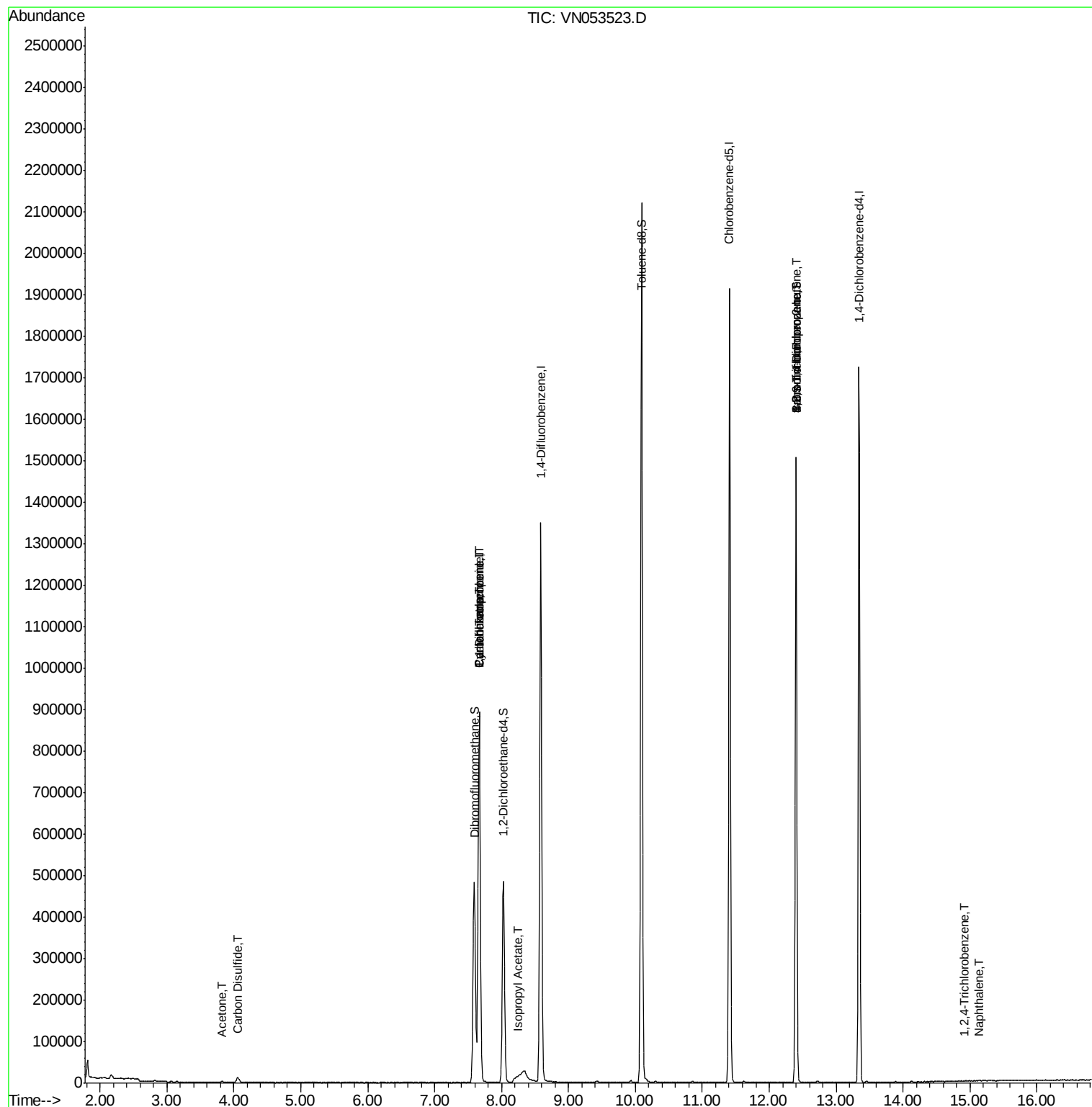
					Qvalue	
16) Acetone	3.82	43	5147	2.760	ug/l	96
17) Carbon Disulfide	4.06	76	4504	0.208	ug/l #	75
31) Cyclohexane	7.66	56	13025	0.712	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	52018	4.556	ug/l #	48
38) Carbon Tetrachloride	7.67	117	68850	6.369	ug/l #	16
43) Isopropyl Acetate	8.24	43	18841	1.595	ug/l #	51
71) Bromoform	12.40	173	3302	0.559	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	241199	36.868	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	241199	91.109	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	30	2.770	ug/l #	3
95) Naphthalene	15.13	128	483	3.976	ug/l #	69

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

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QLast Update : Wed Jan 16 03:10:53 2019
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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: VN053523.D

Acq: 22 Jan 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

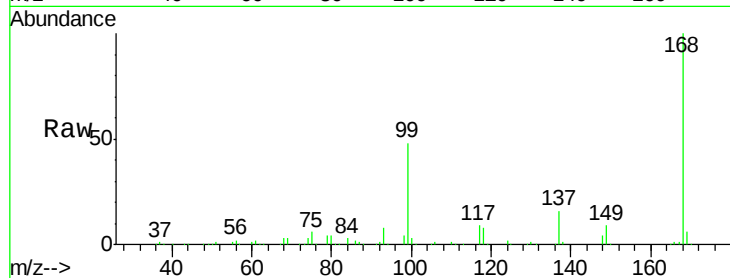
DUP04-20190118

Tot Ion:168 Resp: 804276

Ion Ratio Lower Upper

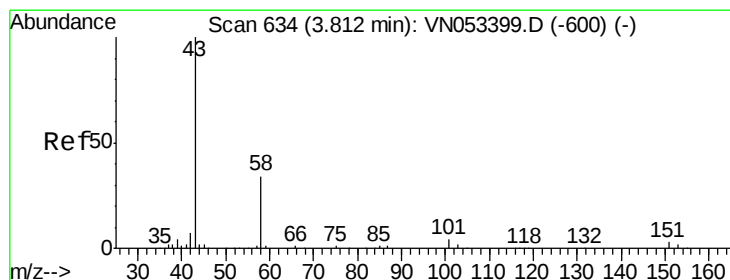
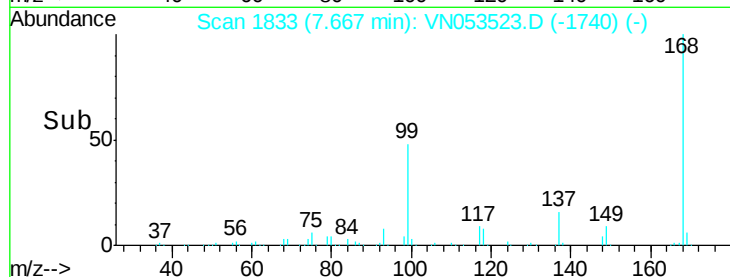
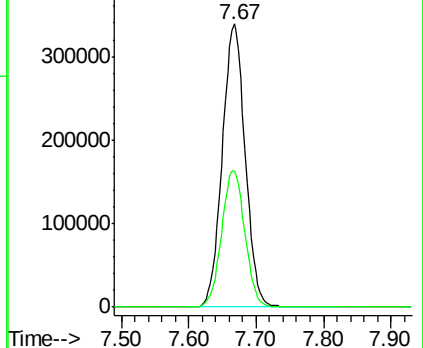
168 100

99 48.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 2.760 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053523.D

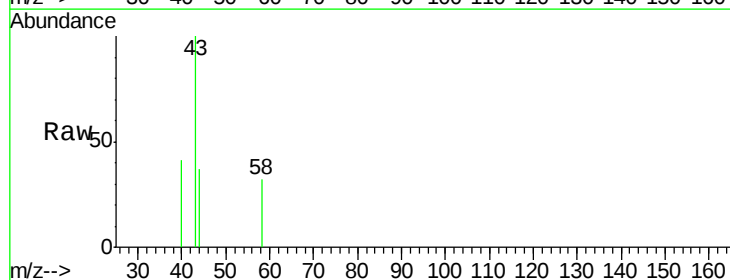
Acq: 22 Jan 2019 16:56

Tgt Ion: 43 Resp: 5147

Ion Ratio Lower Upper

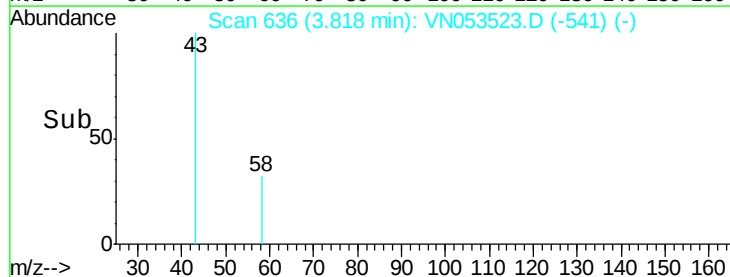
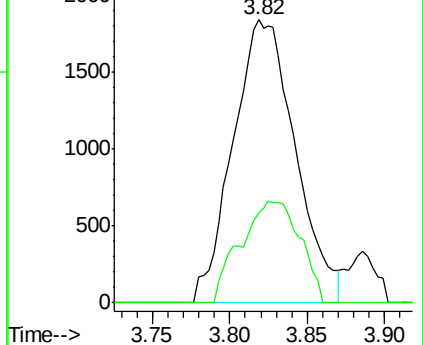
43 100

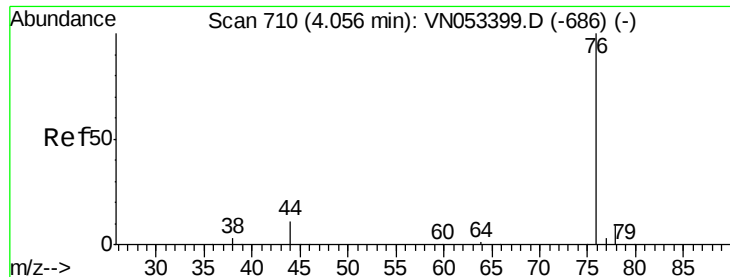
58 31.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

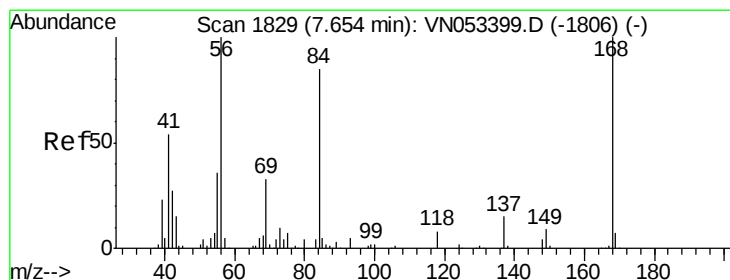
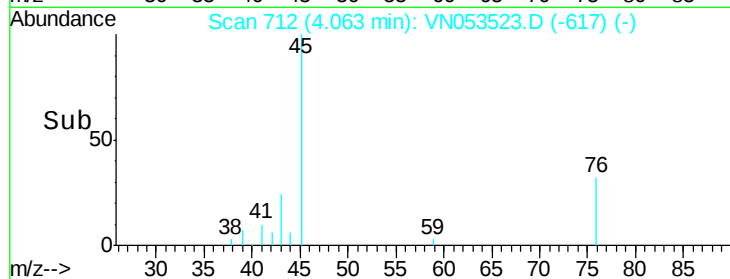
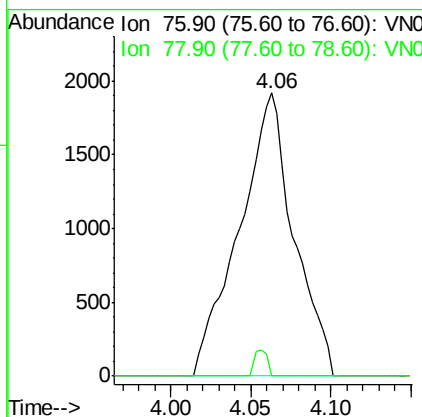
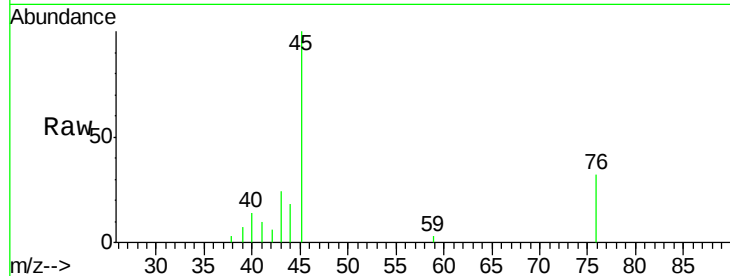




#17
Carbon Disulfide
Concen: 0.208 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.01 min
Lab File: VN053523.D
Acq: 22 Jan 2019 16:56

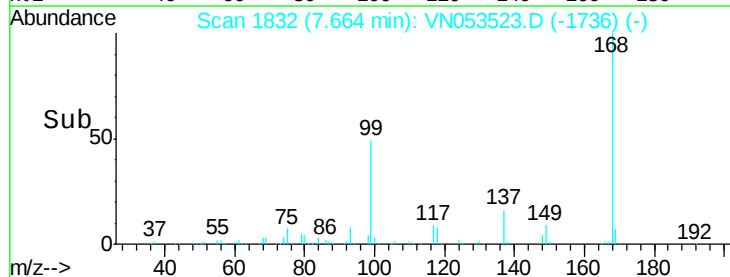
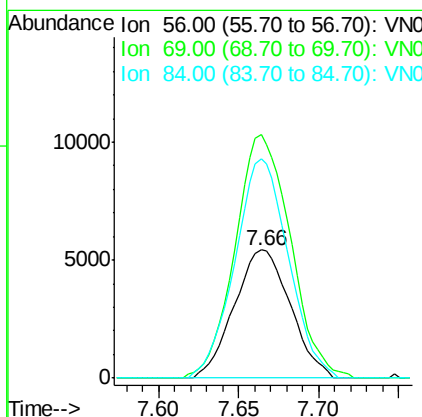
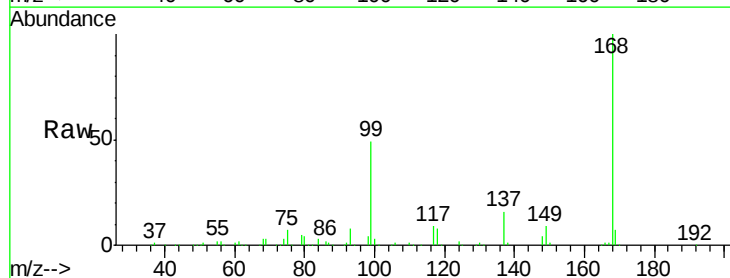
Instrument :
MSVOA_N
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DUP04-20190118

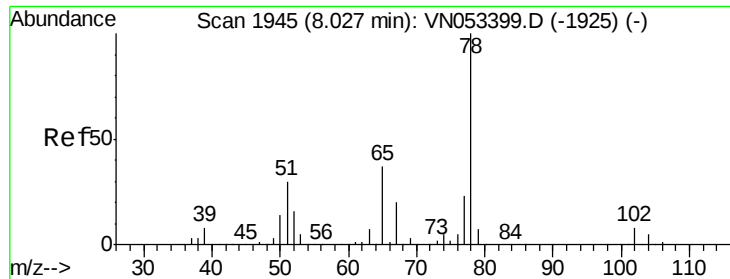
Tot Ion: 76 Resp: 4504
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#31
Cyclohexane
Concen: 0.712 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053523.D
Acq: 22 Jan 2019 16:56

Tgt Ion: 56 Resp: 13025
Ion Ratio Lower Upper
56 100
69 186.9 26.4 39.6#
84 171.0 67.9 101.9#

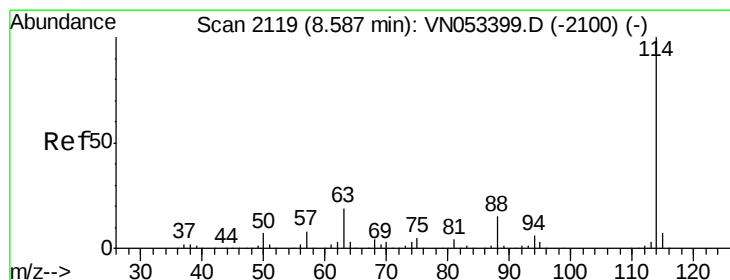
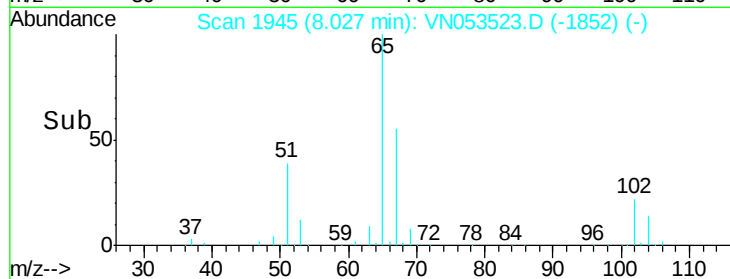
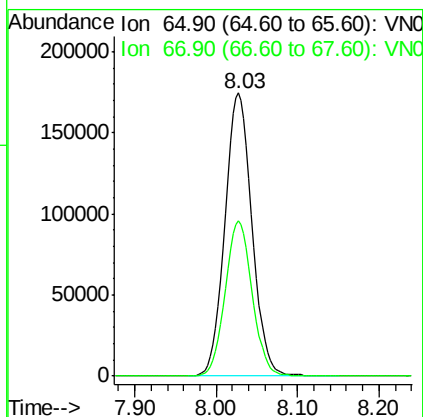
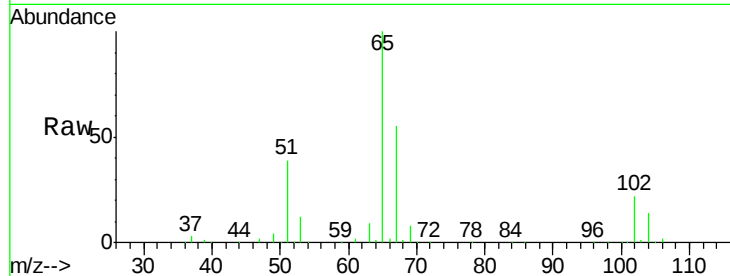




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053523.D
 Acq: 22 Jan 2019 16:56

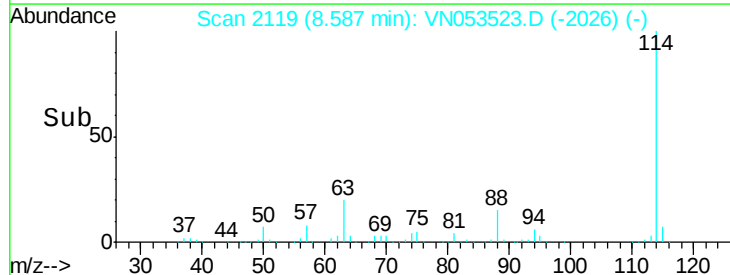
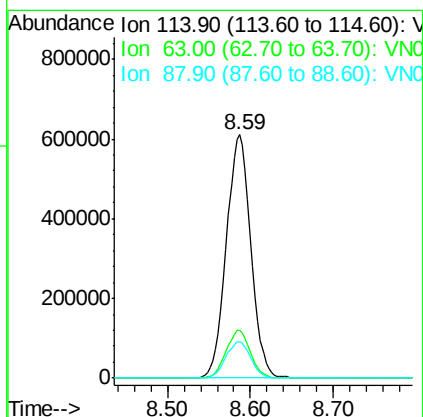
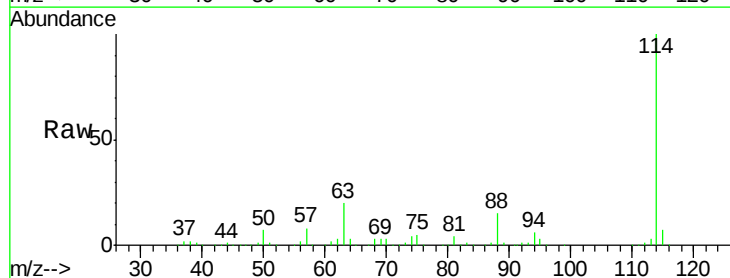
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP04-20190118

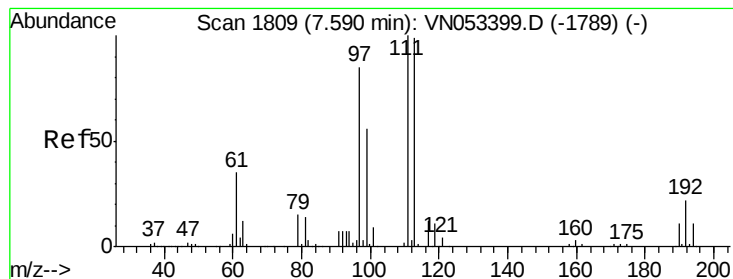
Tot Ion: 65 Resp: 408389
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053523.D
 Acq: 22 Jan 2019 16:56

Tgt Ion: 114 Resp: 1253731
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053523.D

Acq: 22 Jan 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20190118

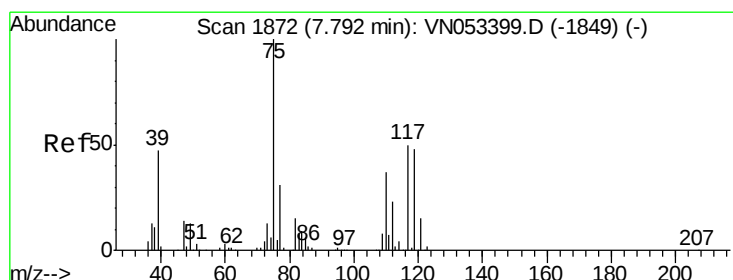
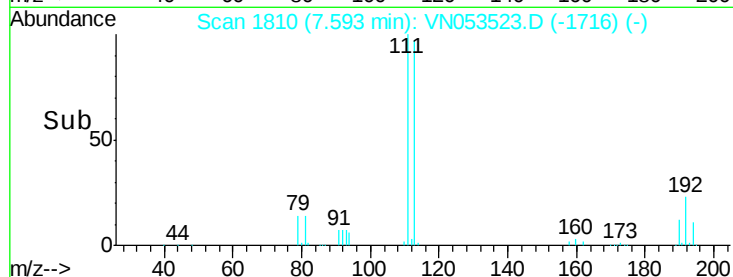
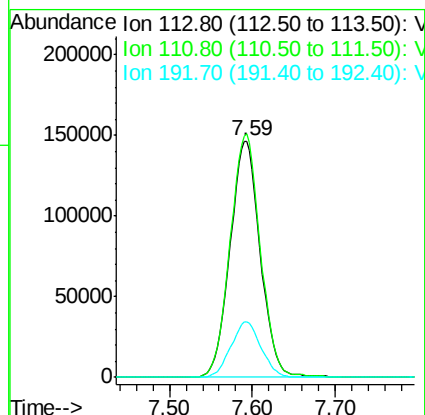
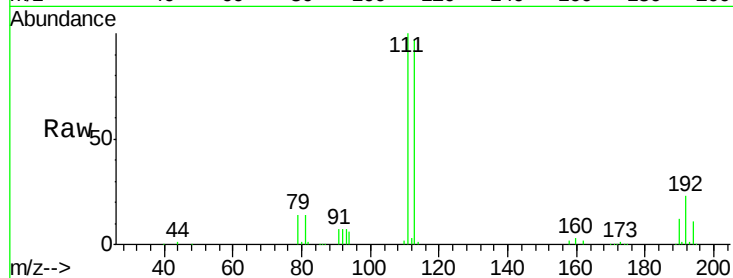
Tot Ion:113 Resp: 371092

Ion Ratio Lower Upper

113 100

111 102.2 81.1 121.7

192 23.4 18.2 27.2



#36

1,1-Dichloropropene

Concen: 4.556 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053523.D

Acq: 22 Jan 2019 16:56

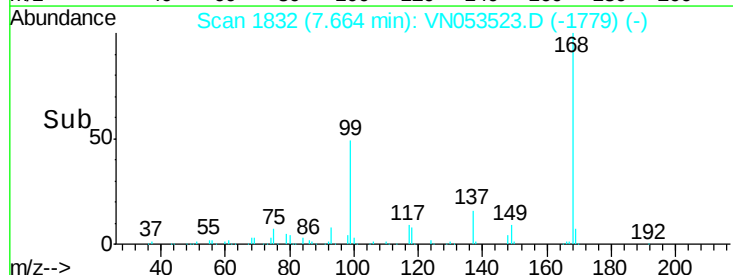
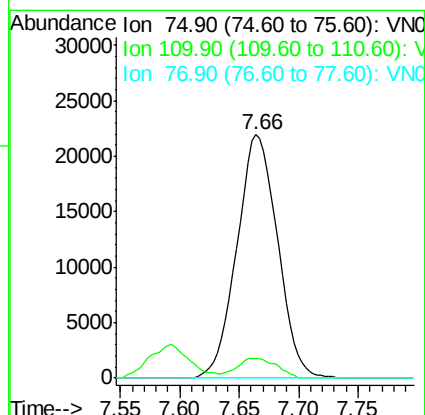
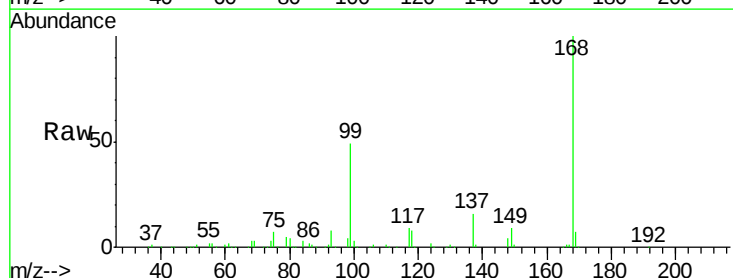
Tgt Ion: 75 Resp: 52018

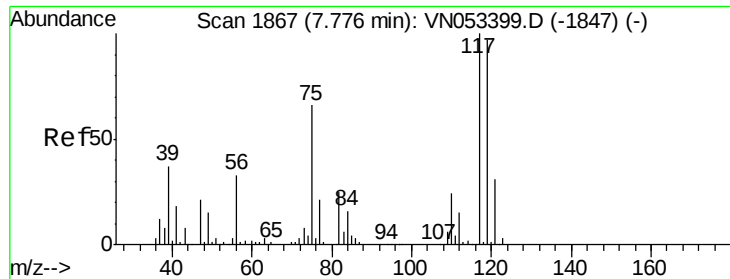
Ion Ratio Lower Upper

75 100

110 7.8 18.1 54.3#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.369 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053523.D

Acq: 22 Jan 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20190118

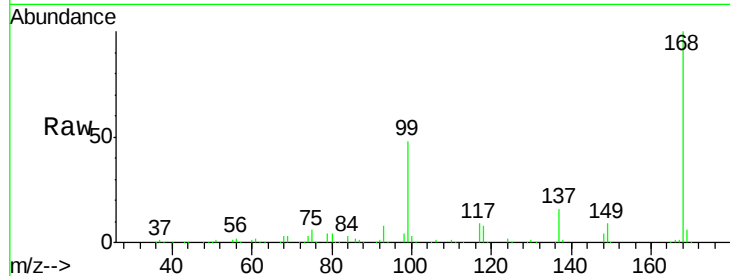
Tot Ion:117 Resp: 68850

Ion Ratio Lower Upper

117 100

119 5.7 77.2 115.8#

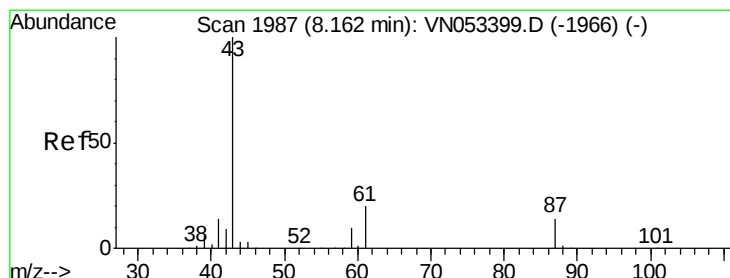
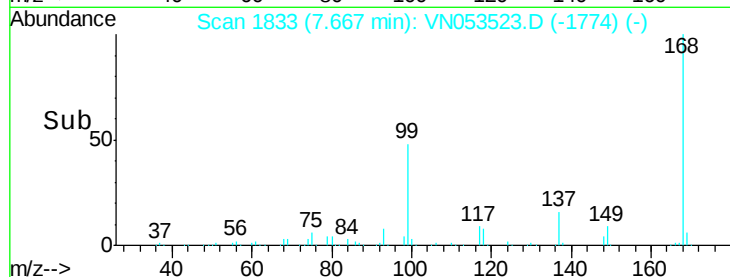
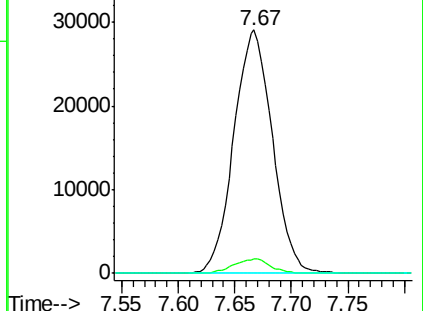
121 0.0 24.6 37.0#



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: 1.595 ug/l

RT: 8.24 min Scan# 2011

Delta R.T. 0.08 min

Lab File: VN053523.D

Acq: 22 Jan 2019 16:56

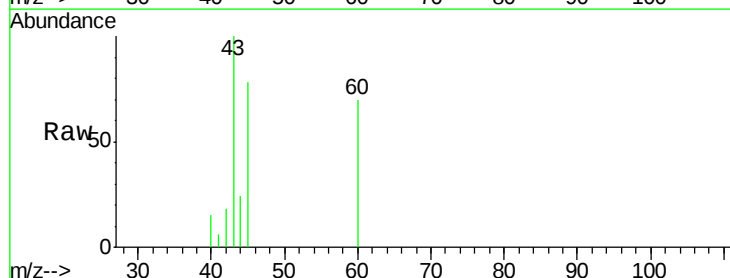
Tgt Ion: 43 Resp: 18841

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

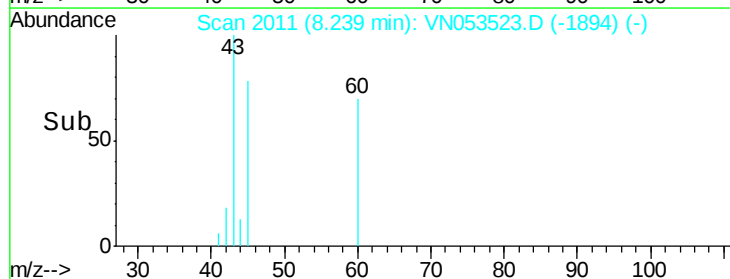
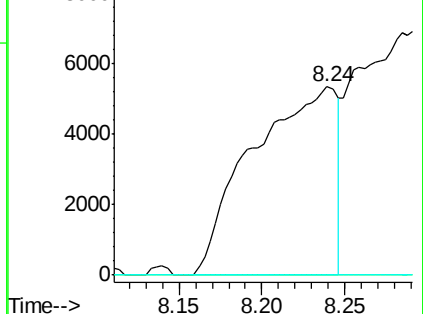
87 0.0 11.0 16.6#

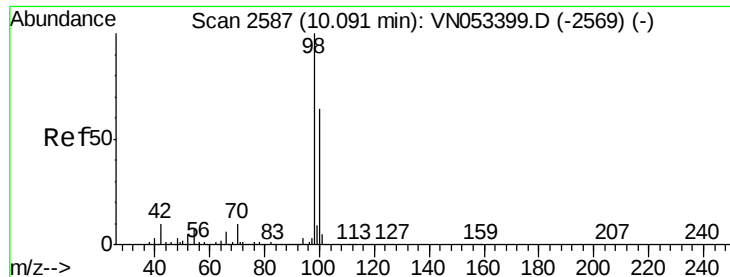


Abundance Ion 43.00 (42.70 to 43.70): V

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: VN053523.D

Acq: 22 Jan 2019 16:56

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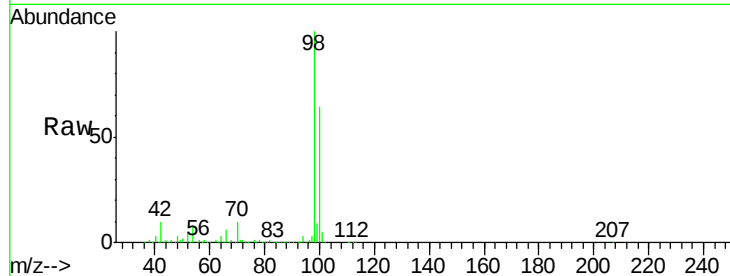
DUP04-20190118

Tot Ion: 98 Resp: 1538865

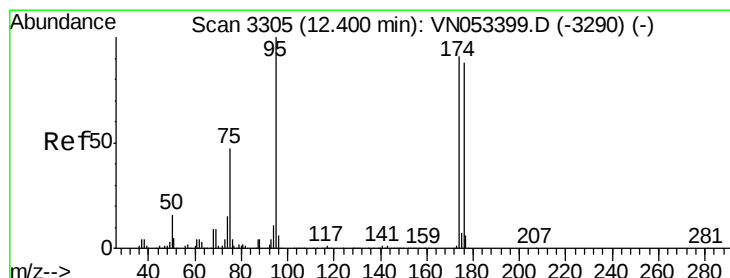
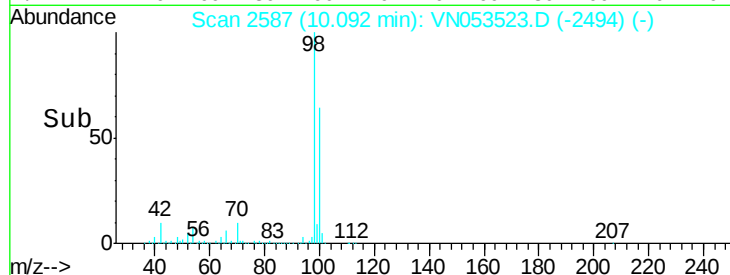
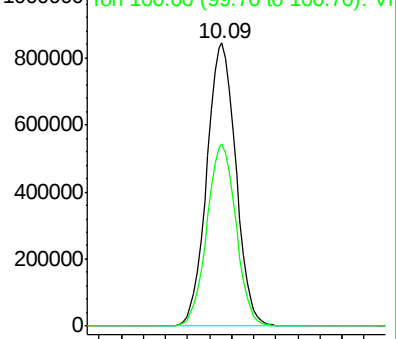
Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053523.D

Acq: 22 Jan 2019 16:56

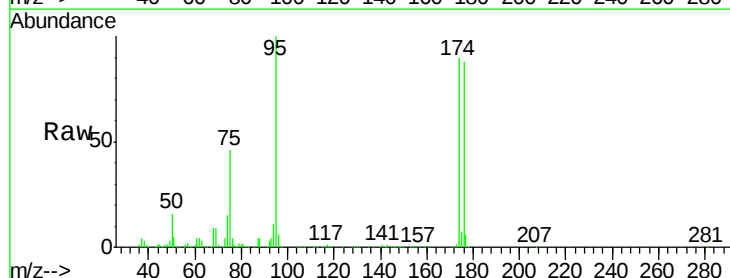
Tgt Ion: 95 Resp: 515456

Ion Ratio Lower Upper

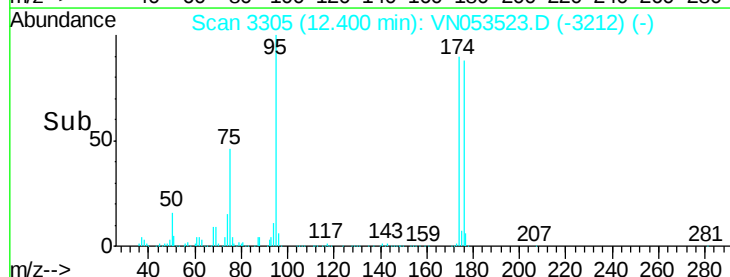
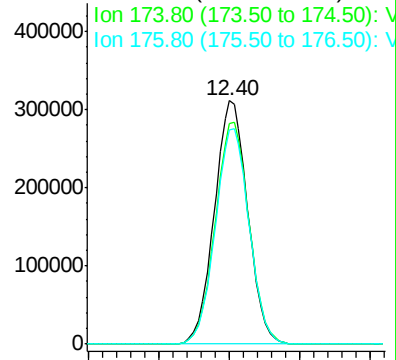
95 100

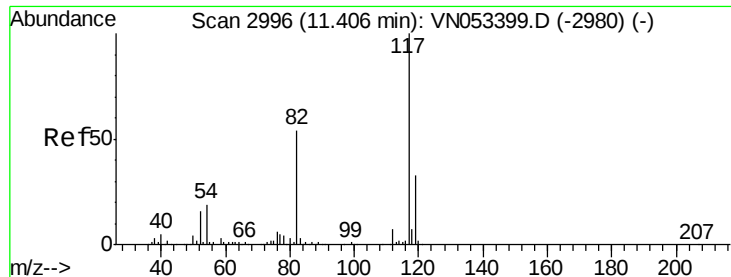
174 92.5 0.0 183.2

176 89.7 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053399.D (-3290) (-)

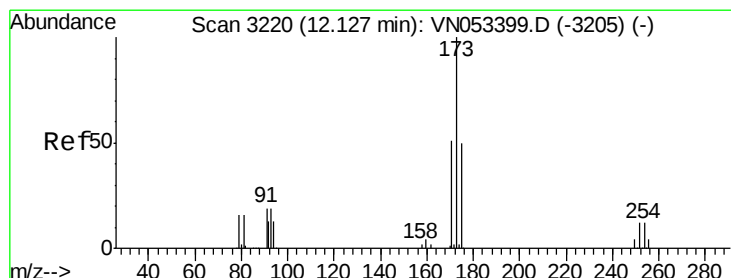
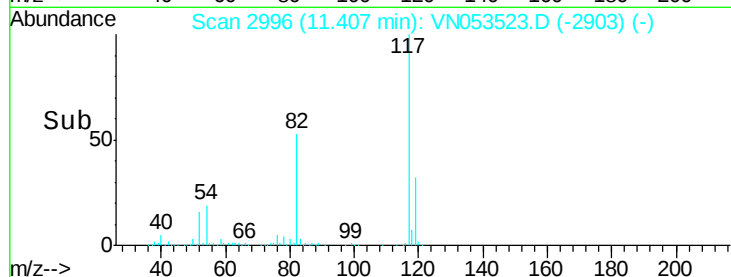
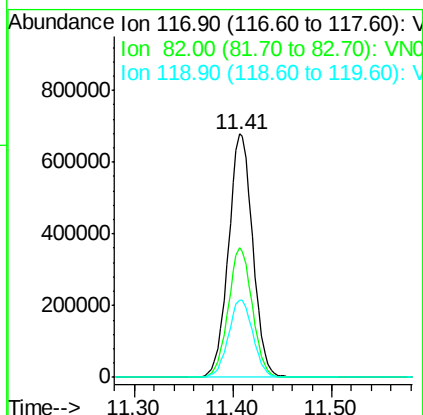
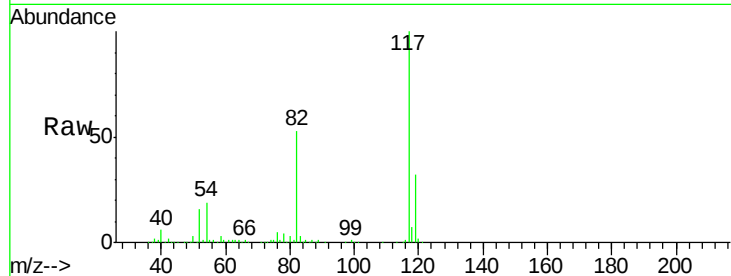




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053523.D
Acq: 22 Jan 2019 16:56

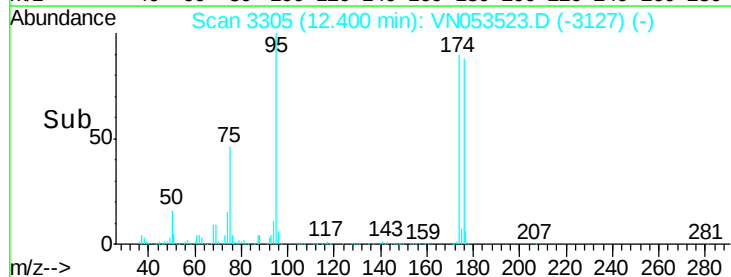
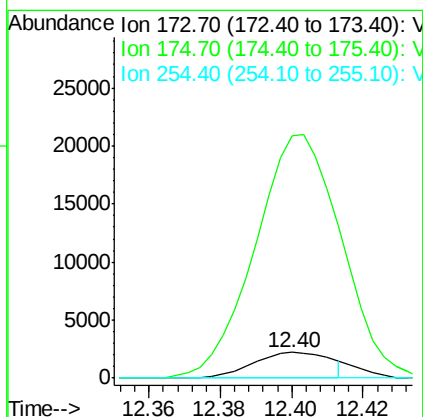
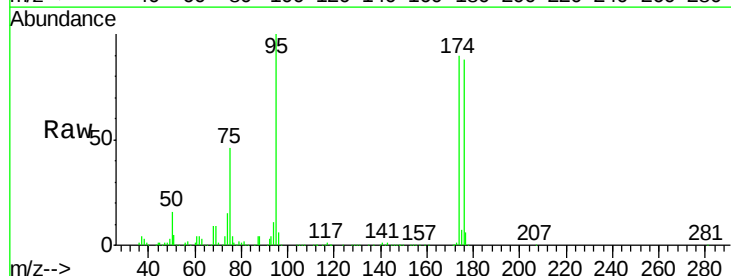
Instrument :
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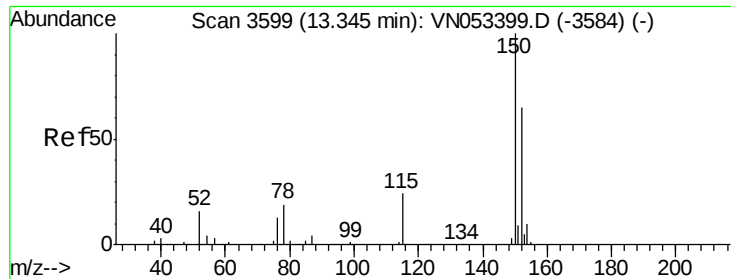
Tot Ion:117 Resp: 116539
Ion Ratio Lower Upper
117 100
82 53.2 42.9 64.3
119 32.0 26.0 39.0



#71
Bromoform
Concen: 0.559 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053523.D
Acq: 22 Jan 2019 16:56

Tgt Ion:173 Resp: 3302
Ion Ratio Lower Upper
173 100
175 929.4 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: VN053523.D

Acq: 22 Jan 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20190118

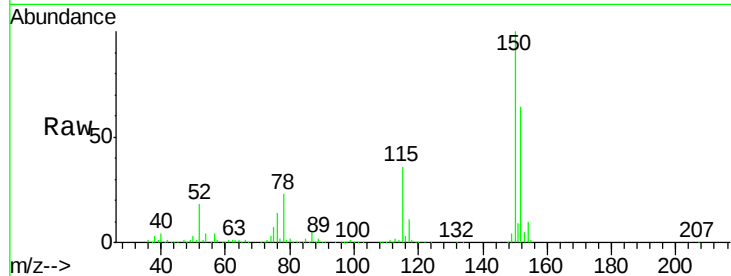
Tot Ion:152 Resp: 496453

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.4

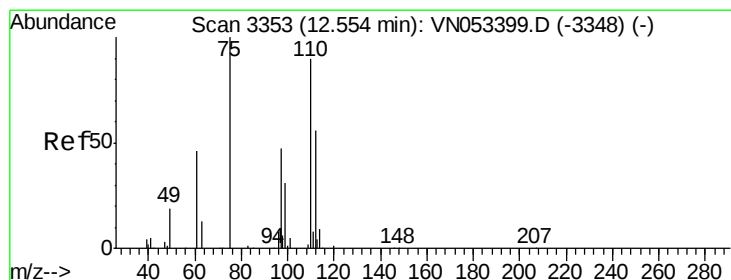
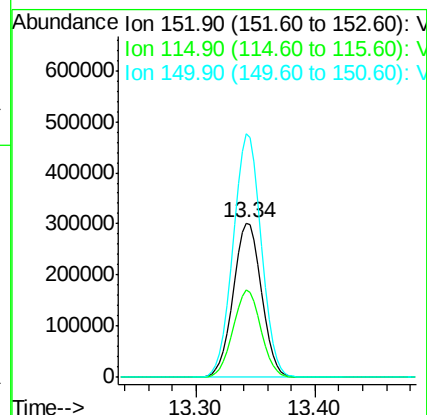
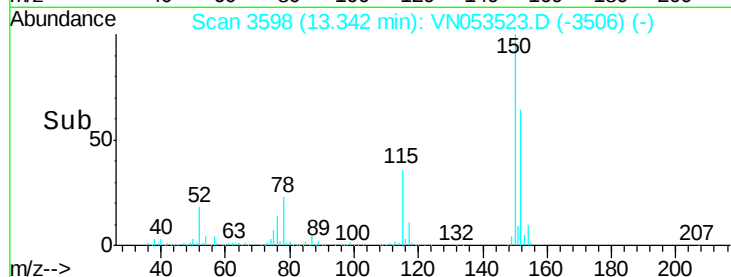
150 157.1 0.0 349.0



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: 36.868 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053523.D

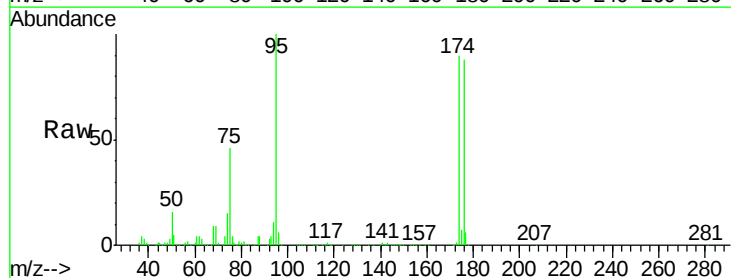
Acq: 22 Jan 2019 16:56

Tgt Ion: 75 Resp: 241199

Ion Ratio Lower Upper

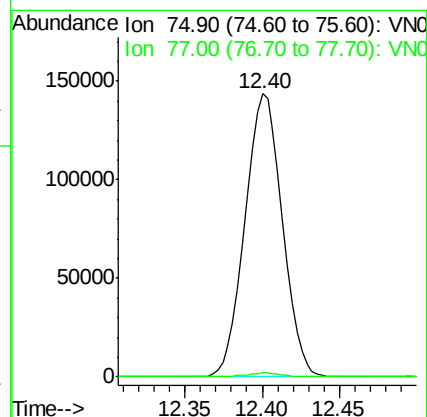
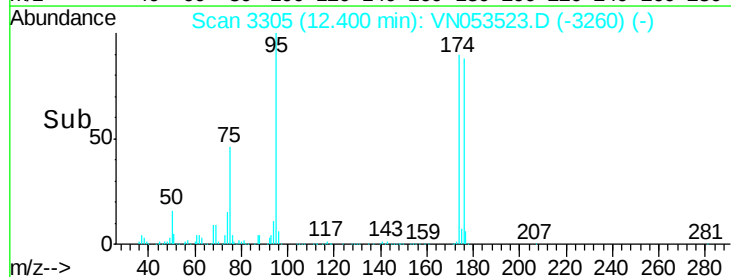
75 100

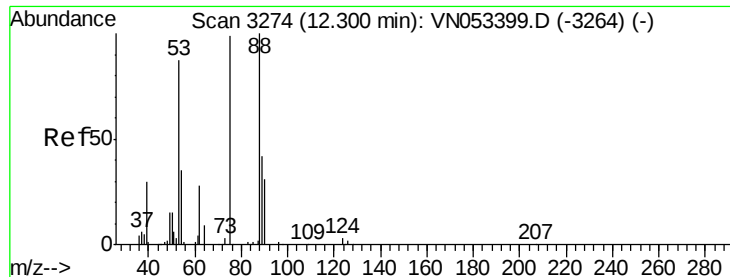
77 1.3 0.0 0.0#



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: 91.109 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053523.D

Acq: 22 Jan 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20190118

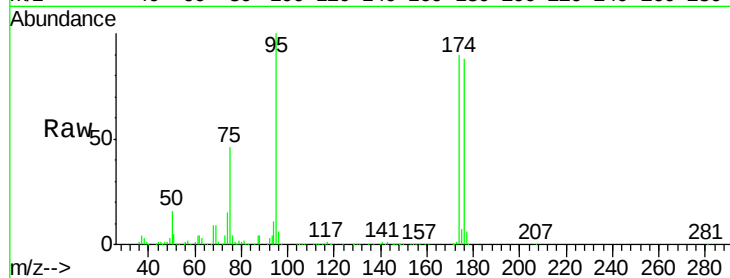
Tot Ion: 75 Resp: 241199

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): VN053523.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN053523.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN053523.D (-3305) (-)

12.40

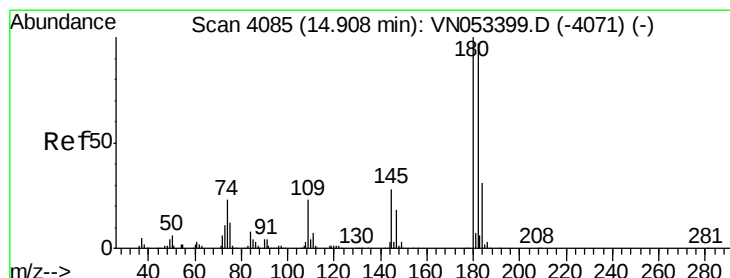
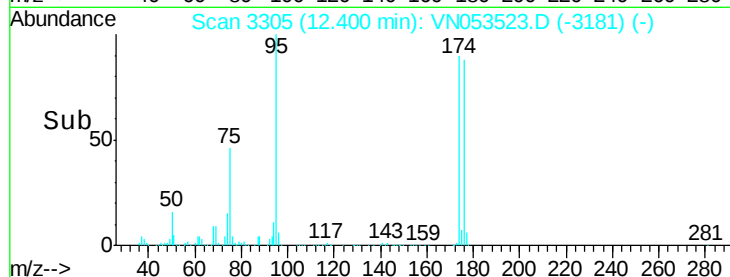
150000

100000

50000

0

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 2.770 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN053523.D

Acq: 22 Jan 2019 16:56

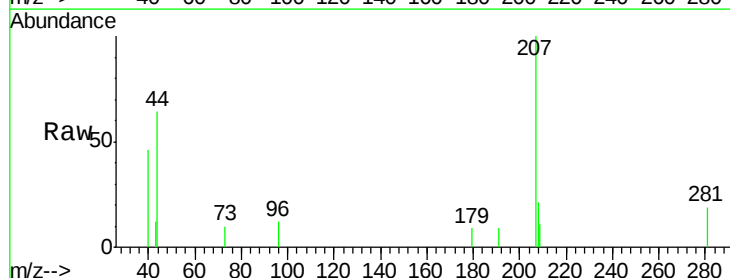
Tgt Ion: 180 Resp: 30

Ion Ratio Lower Upper

180 100

182 203.3 48.1 144.3#

145 0.0 13.9 41.6#



Abundance Ion 179.80 (179.50 to 180.50): VN053523.D (-4087) (-)

Ion 181.80 (181.50 to 182.50): VN053523.D (-4087) (-)

Ion 144.80 (144.50 to 145.50): VN053523.D (-4087) (-)

14.91

200

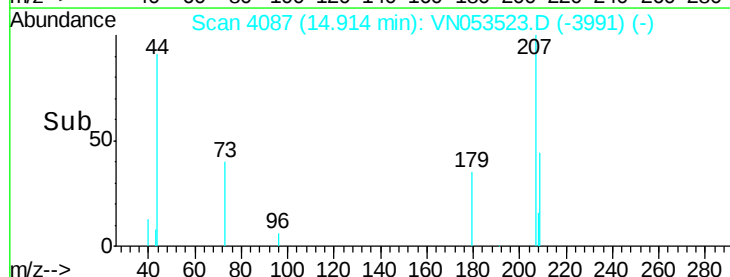
150

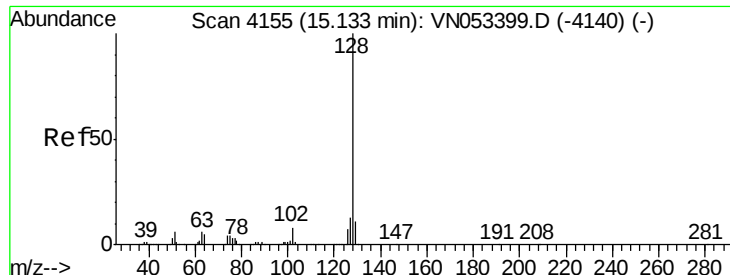
100

50

0

Time-->





#95

Naphthalene

Concen: 3.976 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053523.D

Acq: 22 Jan 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20190118

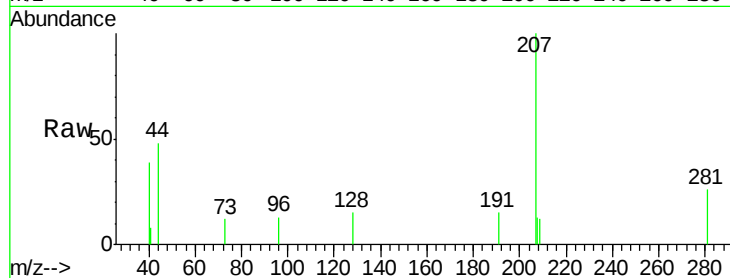
Tot Ion:128 Resp: 483

Ion Ratio Lower Upper

128 100

127 0.0 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

