

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054558.D
 Acq On : 22 Mar 2019 15:20
 Operator : JC/SP
 Sample : K2019-01RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-190319

Quant Time: Mar 23 02:31:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	612381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	970855	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	817903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	304413	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	431303	56.62	ug/l	0.00
Spiked Amount			Recovery	=	113.24%	
35) Dibromofluoromethane	7.59	113	333973	53.40	ug/l	0.00
Spiked Amount			Recovery	=	106.80%	
50) Toluene-d8	10.09	98	1284481	54.63	ug/l	0.00
Spiked Amount			Recovery	=	109.26%	
62) 4-Bromofluorobenzene	12.40	95	399179	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	

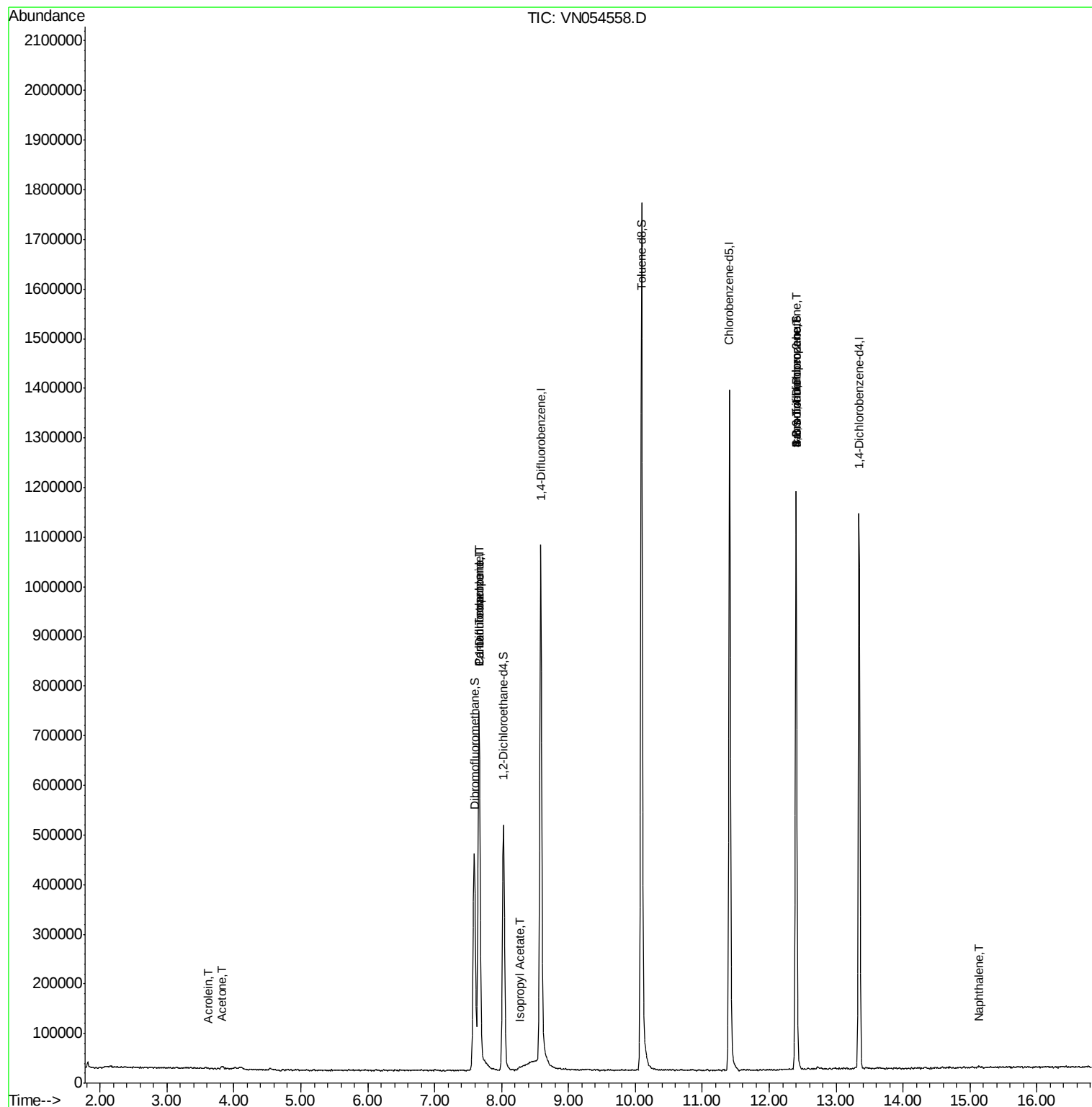
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	228	0.358	ug/l	99
16) Acetone	3.83	43	8525	3.723	ug/l	90
31) Cyclohexane	7.66	56	13131	Below Cal	#	14
36) 1,1-Dichloropropene	7.66	75	46876	5.164	ug/l #	47
38) Carbon Tetrachloride	7.66	117	57658	6.536	ug/l #	16
43) Isopropyl Acetate	8.26	43	3799	0.348	ug/l #	60
71) Bromoform	12.40	173	2748	2.858	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	207204	42.894	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	207204	141.663	ug/l #	11
95) Naphthalene	15.14	128	2382	0.219	ug/l #	81

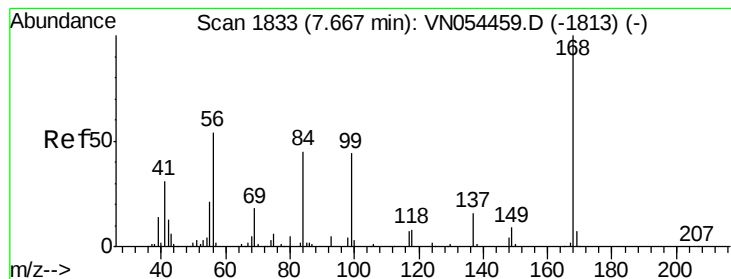
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032219\
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QLast Update : Fri Mar 22 02:09:07 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: VN054558.D

Acq: 22 Mar 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

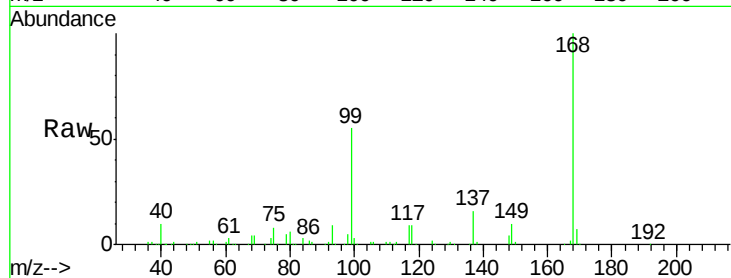
TB-01-190319

Tot Ion:168 Resp: 612381

Ion Ratio Lower Upper

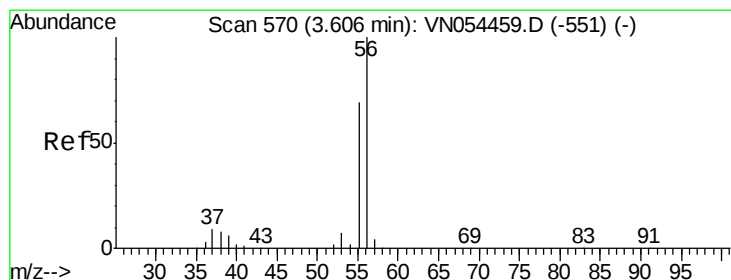
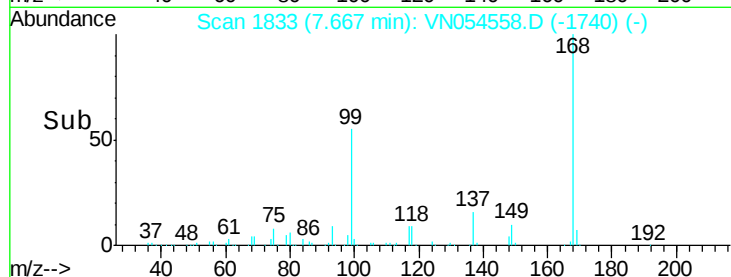
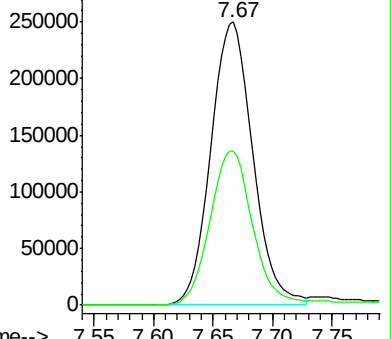
168 100

99 54.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#13

Acrolein

Concen: 0.358 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054558.D

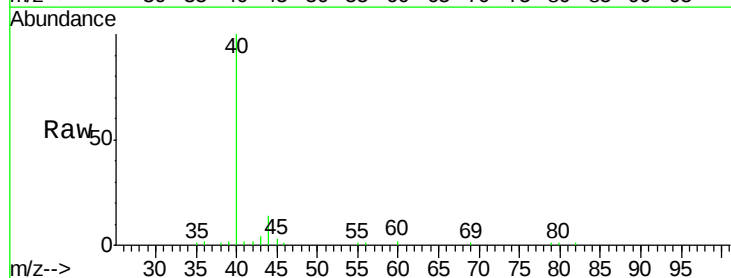
Acq: 22 Mar 2019 15:20

Tgt Ion: 56 Resp: 228

Ion Ratio Lower Upper

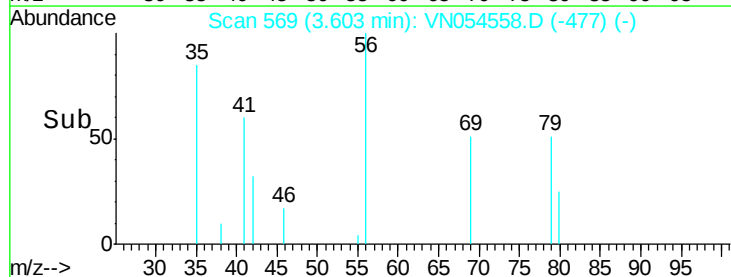
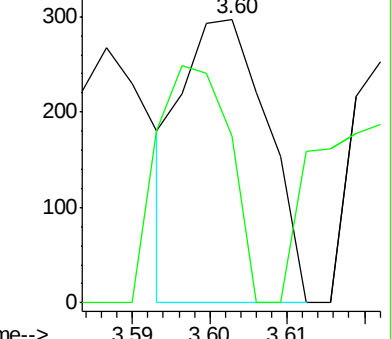
56 100

55 71.5 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO





#16

Acetone

Concen: 3.723 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN054558.D

Acq: 22 Mar 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

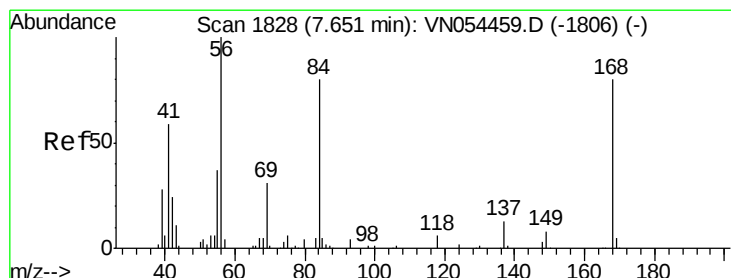
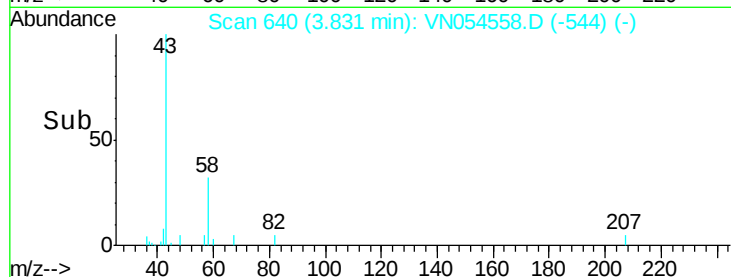
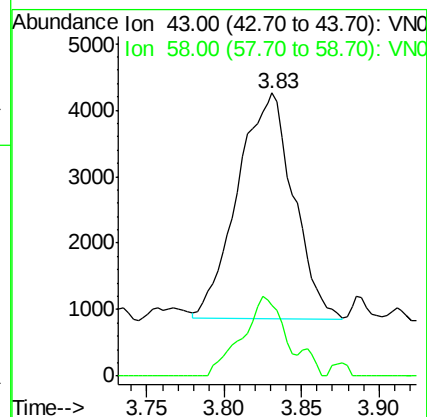
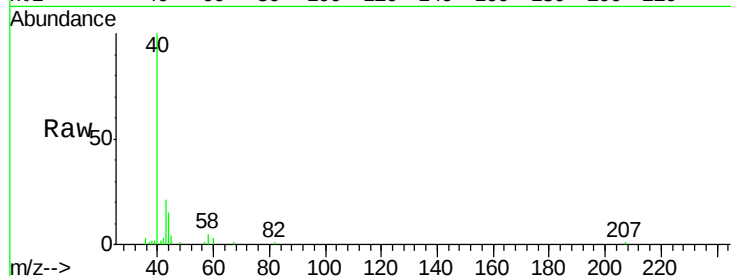
TB-01-190319

Tot Ion: 43 Resp: 8525

Ion Ratio Lower Upper

43 100

58 31.6 29.9 44.9



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054558.D

Acq: 22 Mar 2019 15:20

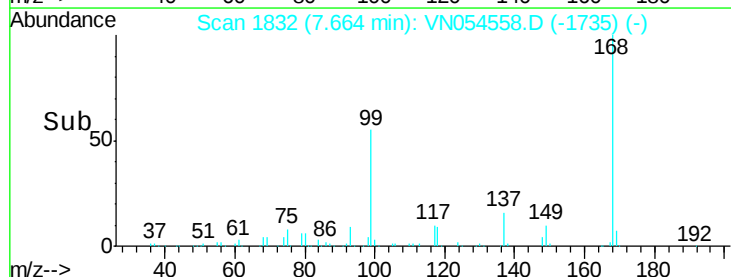
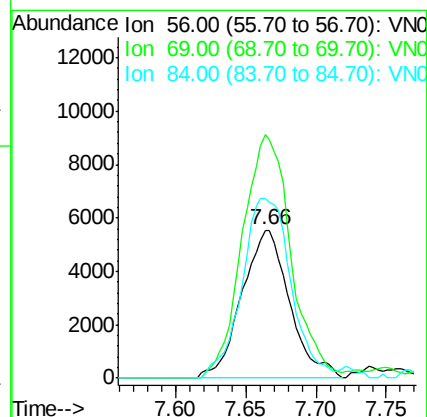
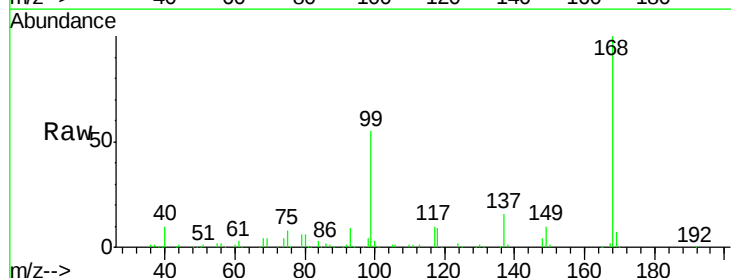
Tgt Ion: 56 Resp: 13131

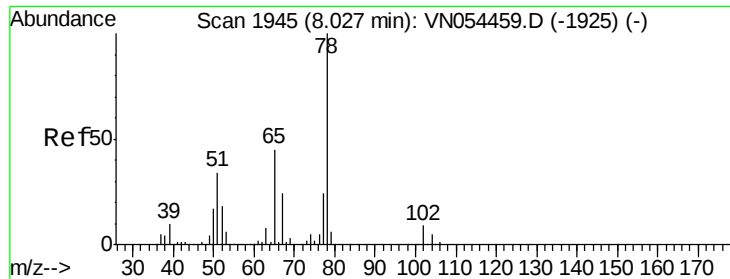
Ion Ratio Lower Upper

56 100

69 165.0 27.8 41.6#

84 125.4 74.6 111.8#

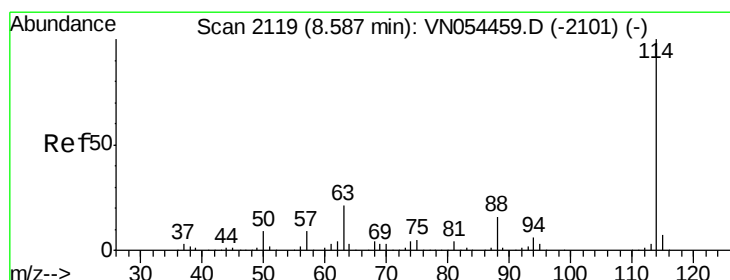
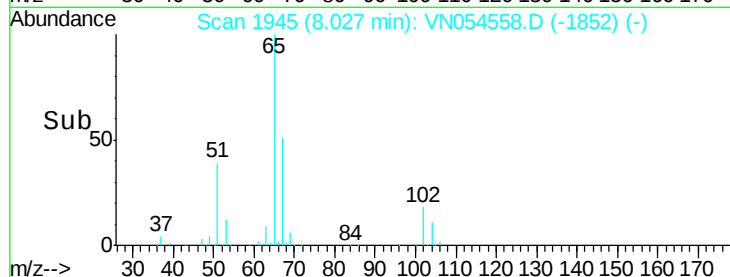
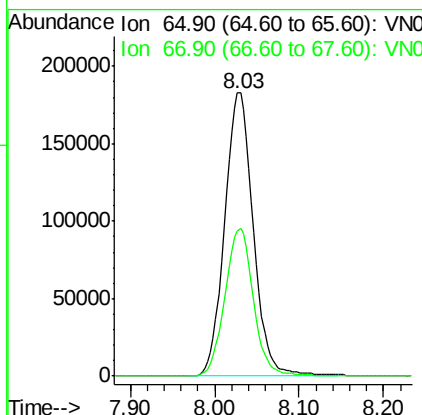
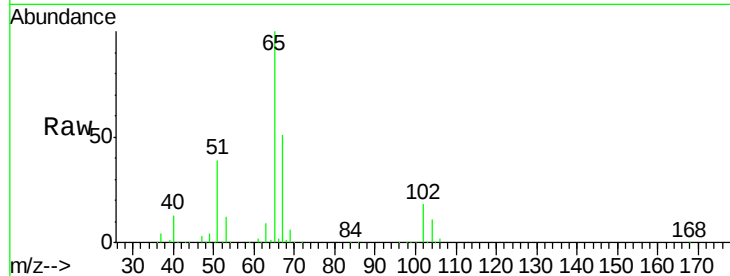




#33
 1,2-Dichloroethane-d4
 Concen: 56.623 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054558.D
 Acq: 22 Mar 2019 15:20

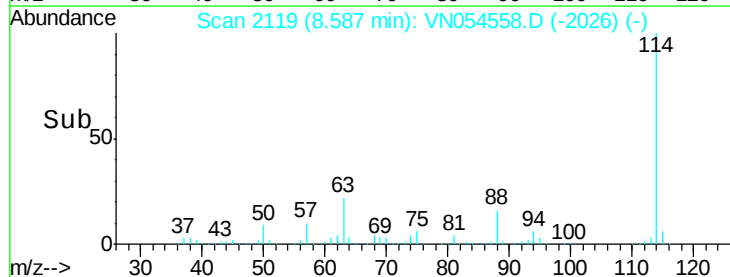
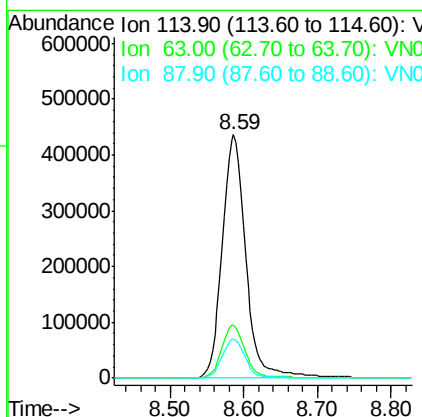
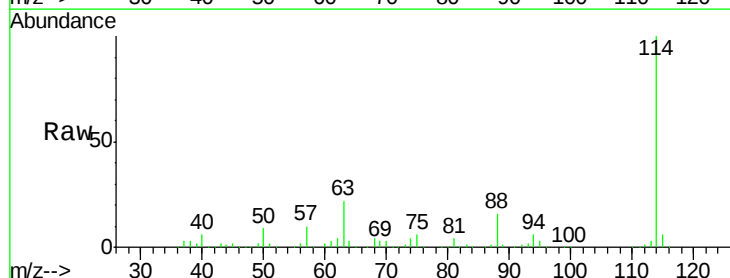
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-190319

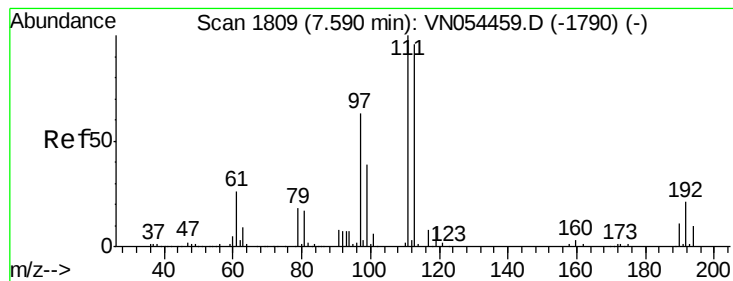
Tot Ion: 65 Resp: 431303
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054558.D
 Acq: 22 Mar 2019 15:20

Tgt Ion: 114 Resp: 970855
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 35.2
 88 16.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 53.395 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054558.D

Acq: 22 Mar 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

TB-01-190319

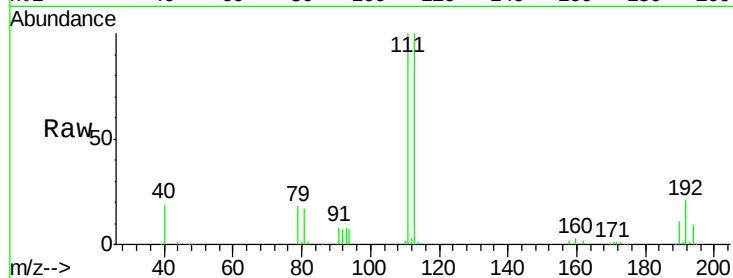
Tot Ion:113 Resp: 333973

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

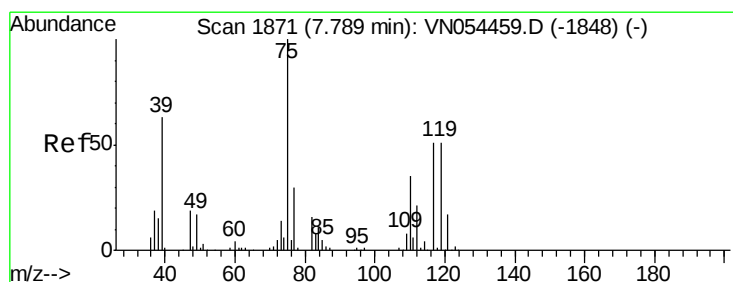
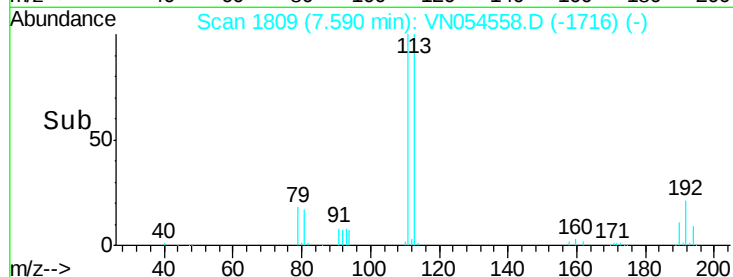
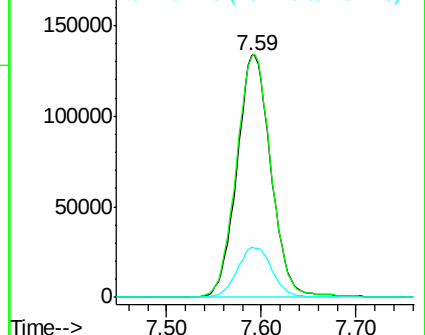
192 21.2 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.164 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054558.D

Acq: 22 Mar 2019 15:20

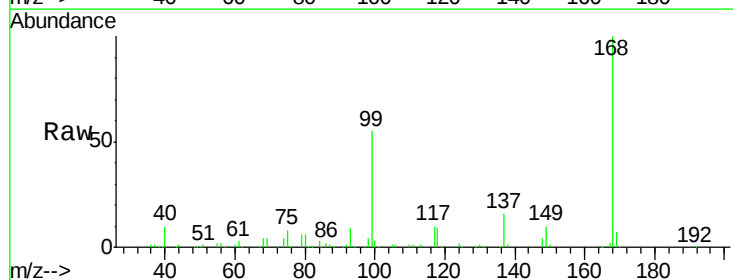
Tgt Ion: 75 Resp: 46876

Ion Ratio Lower Upper

75 100

110 8.0 19.1 57.5#

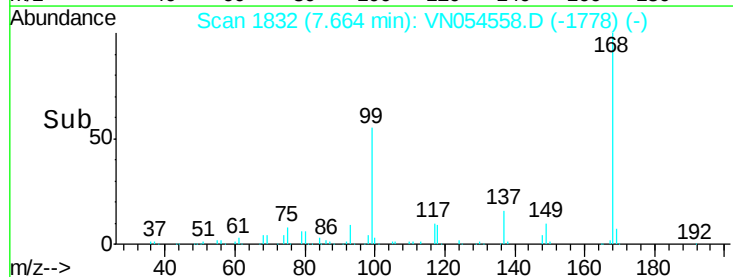
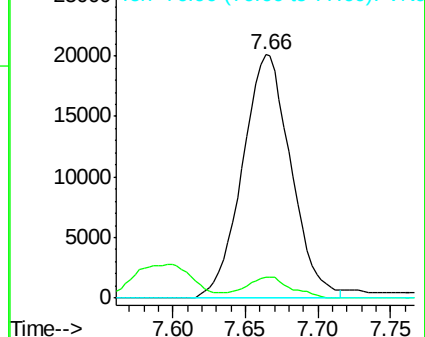
77 0.0 25.0 37.4#

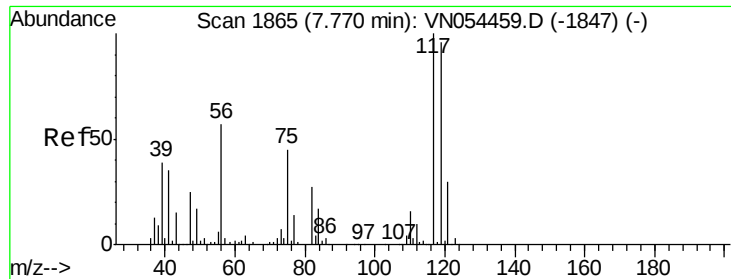


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.536 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054558.D

Acq: 22 Mar 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

TB-01-190319

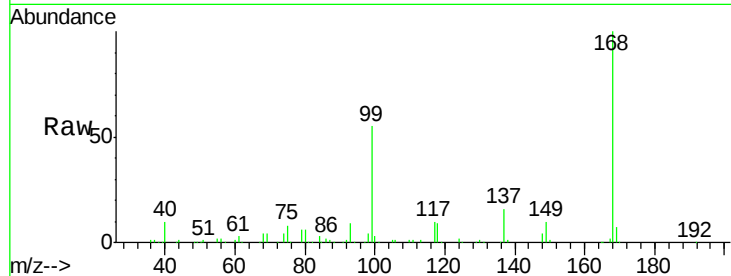
Tot Ion:117 Resp: 57658

Ion Ratio Lower Upper

117 100

119 4.4 76.3 114.5#

121 0.0 24.6 36.8#



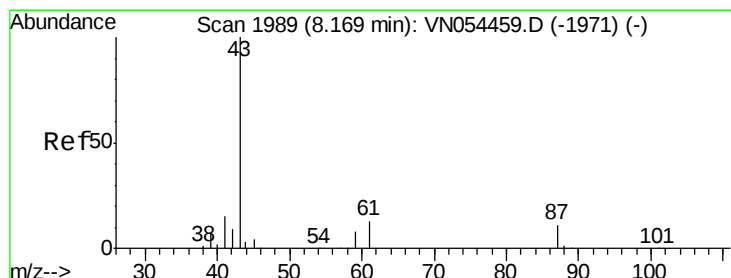
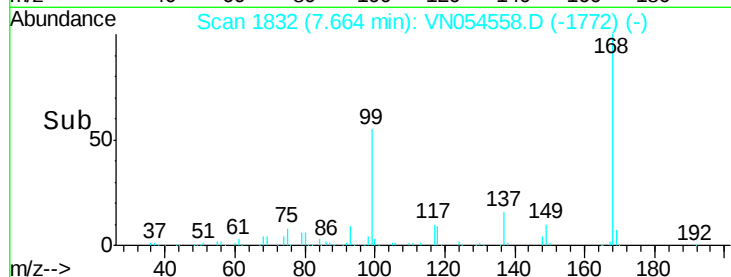
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

7.66

Time--> 7.55 7.60 7.65 7.70 7.75



#43

Isopropyl Acetate

Concen: 0.348 ug/l

RT: 8.26 min Scan# 2019

Delta R.T. 0.10 min

Lab File: VN054558.D

Acq: 22 Mar 2019 15:20

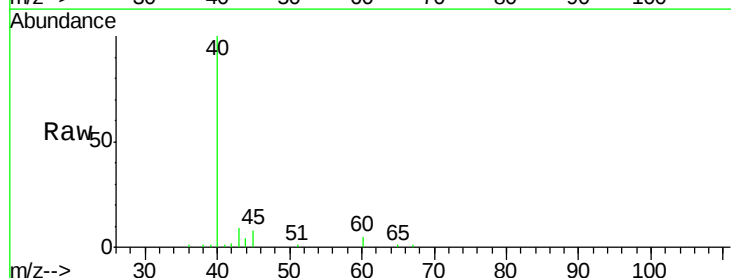
Tgt Ion: 43 Resp: 3799

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

87 0.0 12.0 18.0#



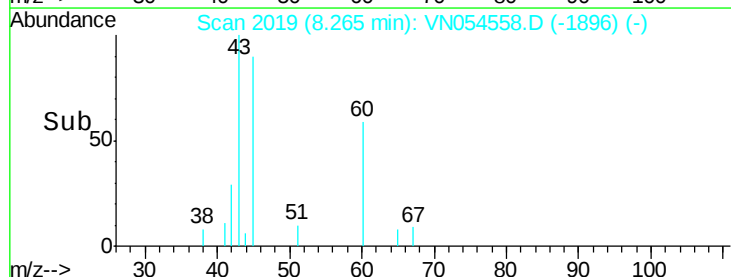
Abundance Ion 43.00 (42.70 to 43.70): V

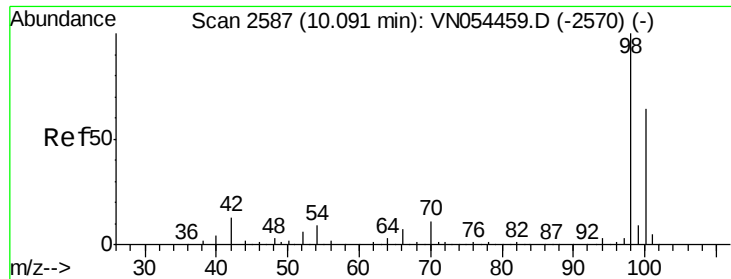
Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

8.26

Time--> 8.20 8.25





#50

Toluene-d8

Concen: 54.626 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054558.D

Acq: 22 Mar 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

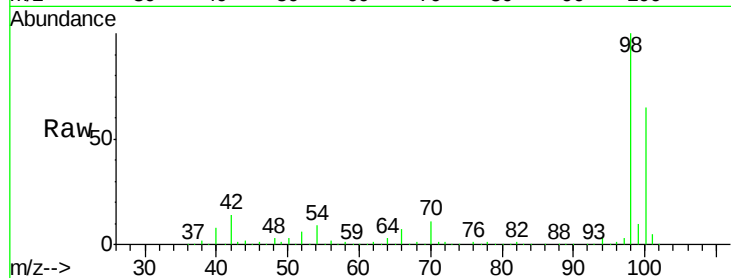
TB-01-190319

Tot Ion: 98 Resp: 1284481

Ion Ratio Lower Upper

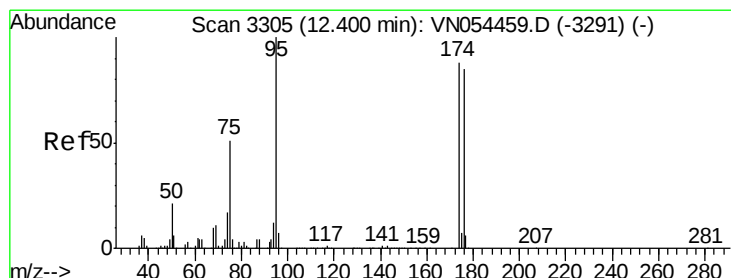
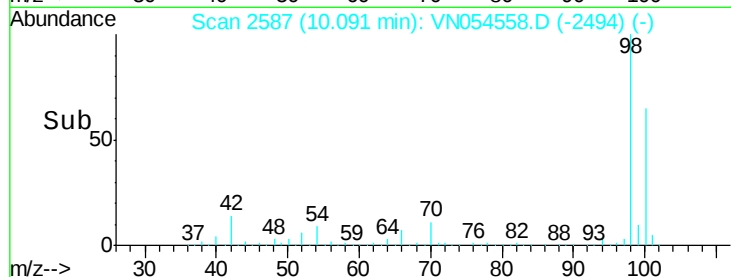
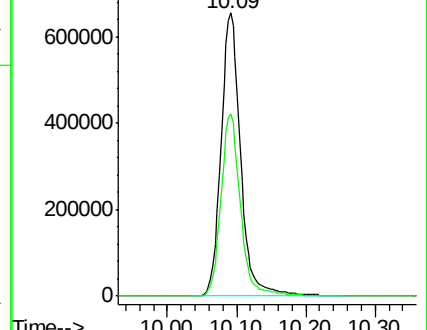
98 100

100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)



#62

4-Bromofluorobenzene

Concen: 49.889 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054558.D

Acq: 22 Mar 2019 15:20

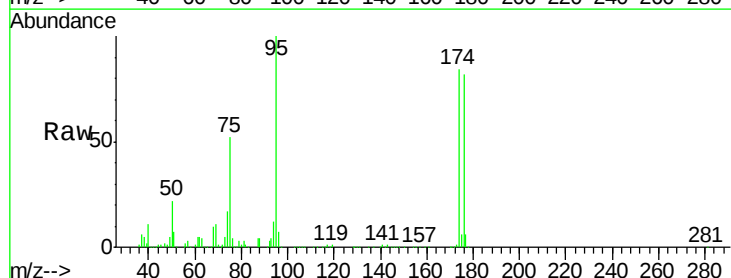
Tgt Ion: 95 Resp: 399179

Ion Ratio Lower Upper

95 100

174 84.2 0.0 191.0

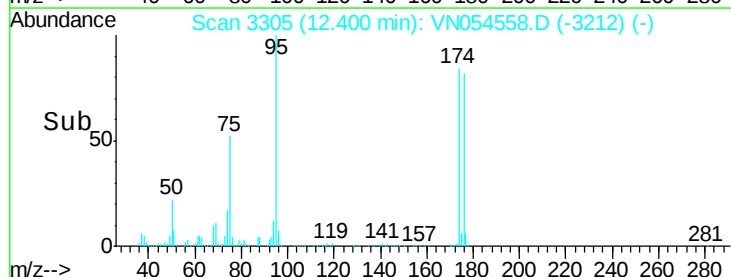
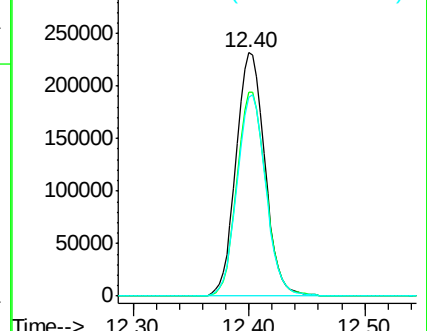
176 82.3 0.0 187.4

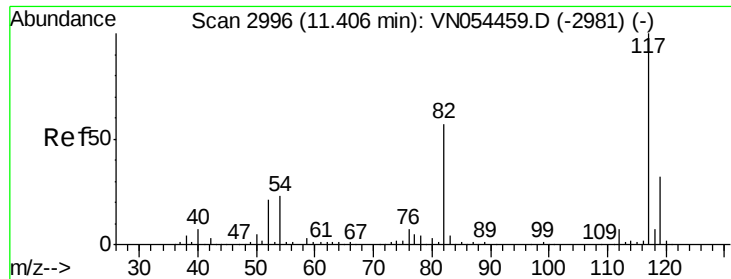


Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054459.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054459.D (-3291) (-)

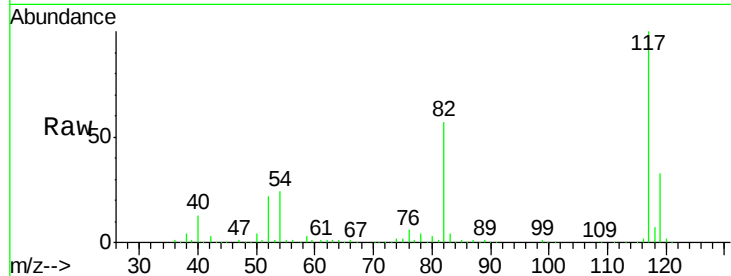




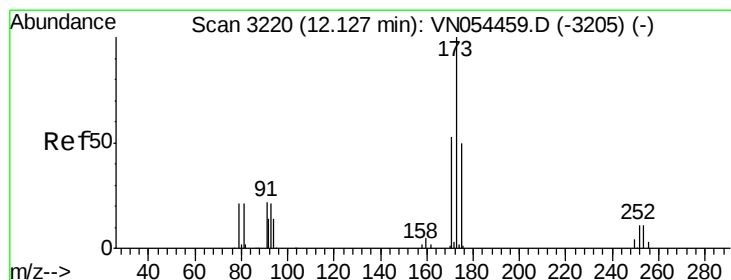
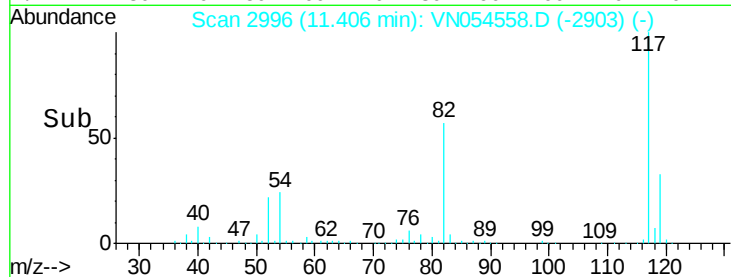
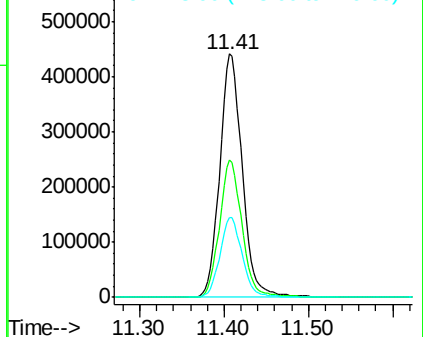
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054558.D
Acq: 22 Mar 2019 15:20

Instrument :
MSVOA_N
ClientSampled :
TB-01-190319

Tot Ion:117 Resp: 817903
Ion Ratio Lower Upper
117 100
82 56.5 40.0 60.0
119 32.9 25.8 38.6

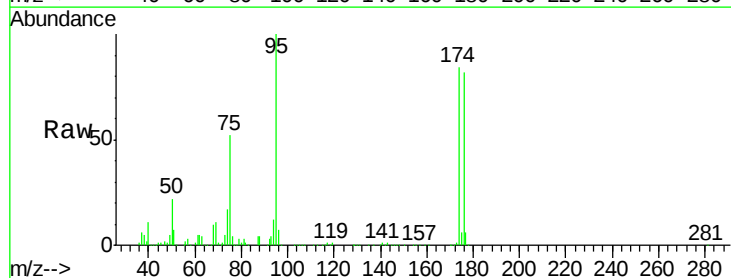


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

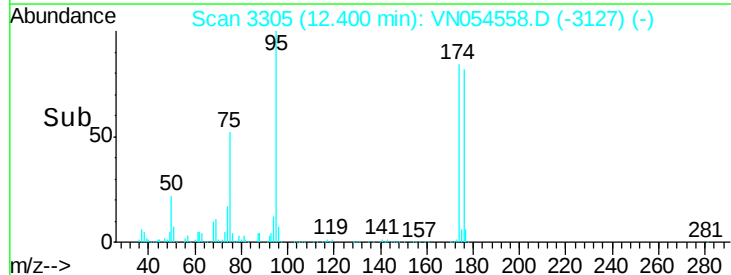
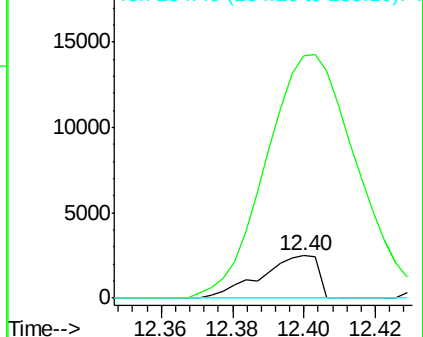


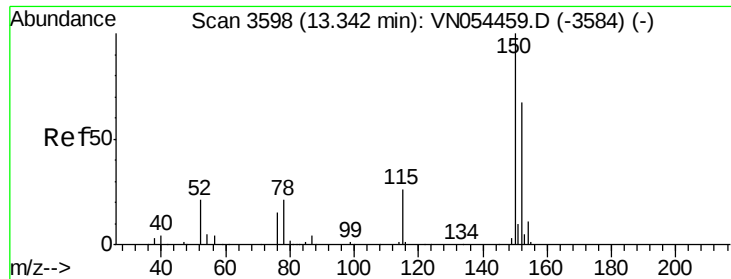
#71
Bromoform
Concen: 2.858 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN054558.D
Acq: 22 Mar 2019 15:20

Tgt Ion:173 Resp: 2748
Ion Ratio Lower Upper
173 100
175 770.8 24.4 73.2#
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054558.D

Acq: 22 Mar 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

TB-01-190319

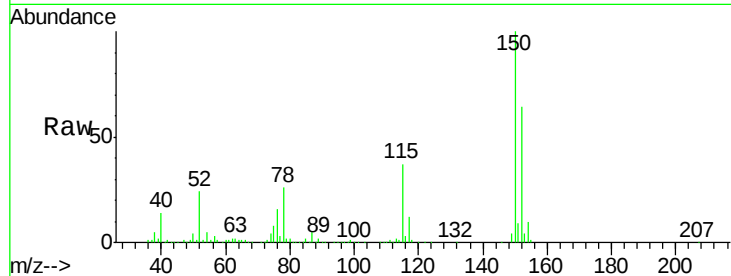
Tot Ion:152 Resp: 304413

Ion Ratio Lower Upper

152 100

115 58.3 27.2 81.6

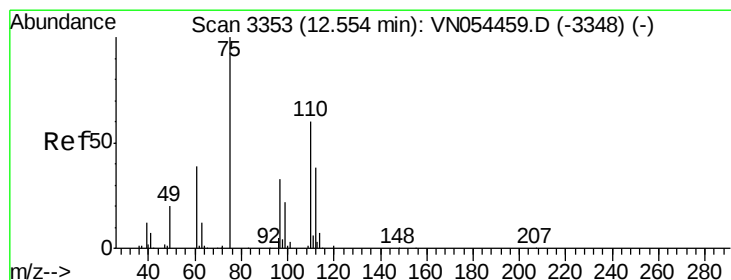
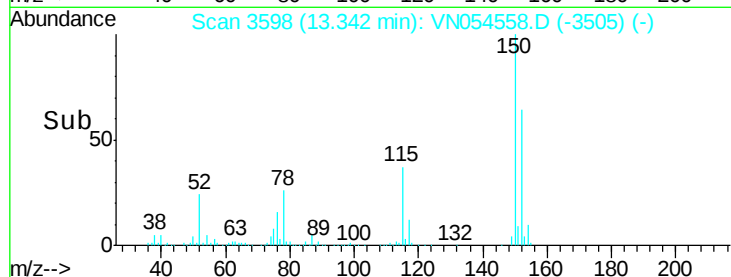
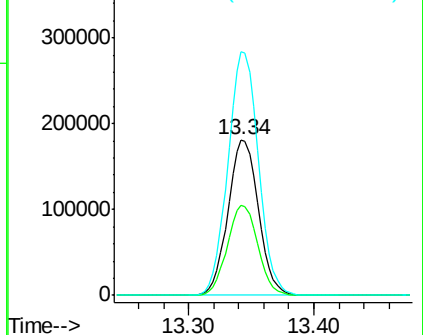
150 157.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 42.894 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054558.D

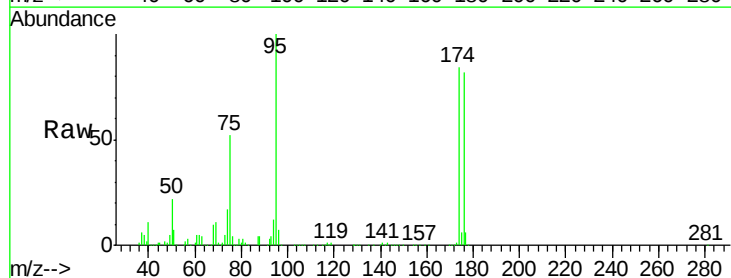
Acq: 22 Mar 2019 15:20

Tgt Ion: 75 Resp: 207204

Ion Ratio Lower Upper

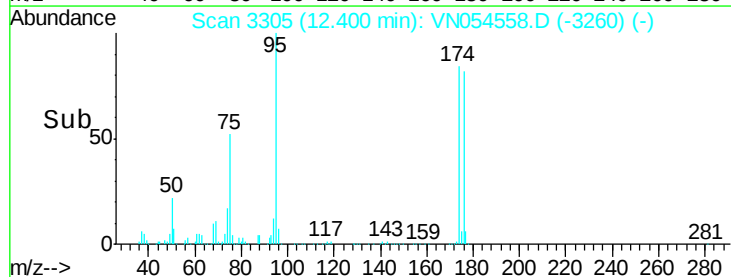
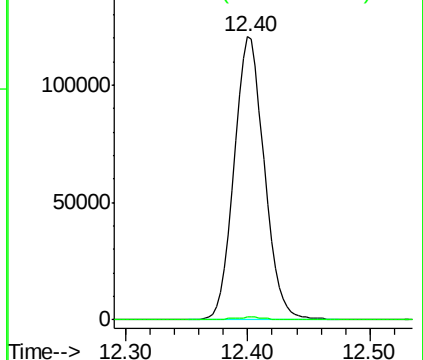
75 100

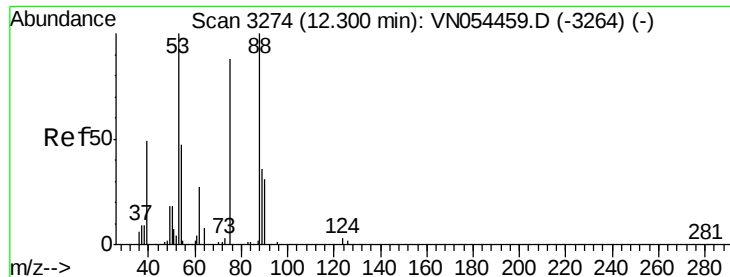
77 1.0 0.0 0.0#



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: 141.663 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054558.D

Acq: 22 Mar 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

TB-01-190319

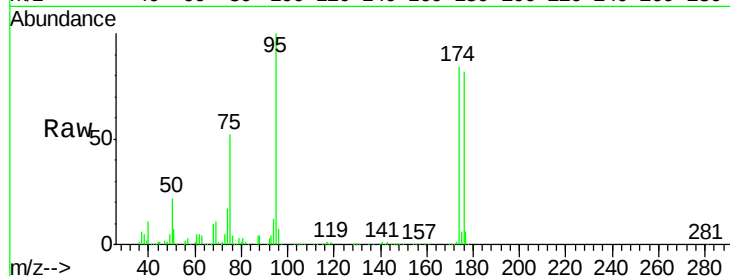
Tot Ion: 75 Resp: 207204

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

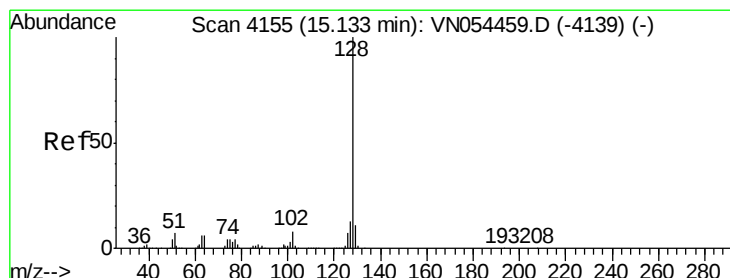
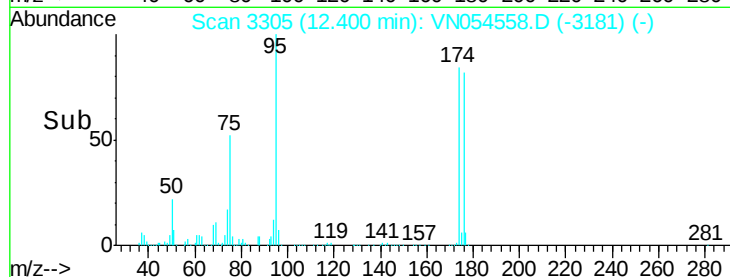
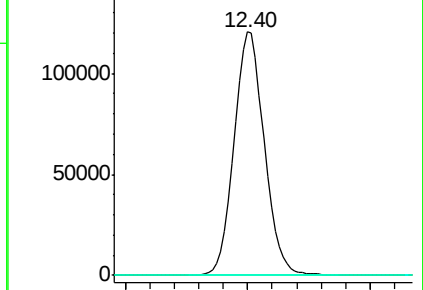
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN054459.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN054459.D (-3264) (-)



#95

Naphthalene

Concen: 0.219 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054558.D

Acq: 22 Mar 2019 15:20

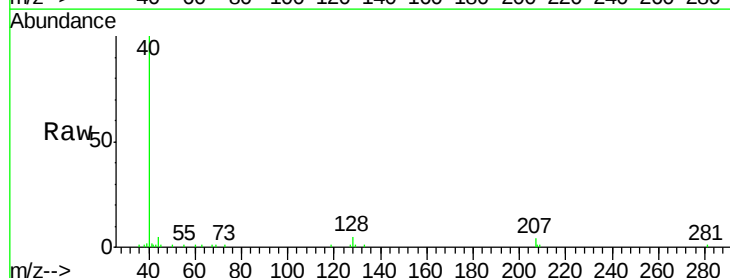
Tgt Ion: 128 Resp: 2382

Ion Ratio Lower Upper

128 100

127 8.6 10.1 15.1#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VN054459.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN054459.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN054459.D (-4139) (-)

