

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054559.D
 Acq On : 22 Mar 2019 15:47
 Operator : JC/SP
 Sample : K2043-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-QC-190319-TB2

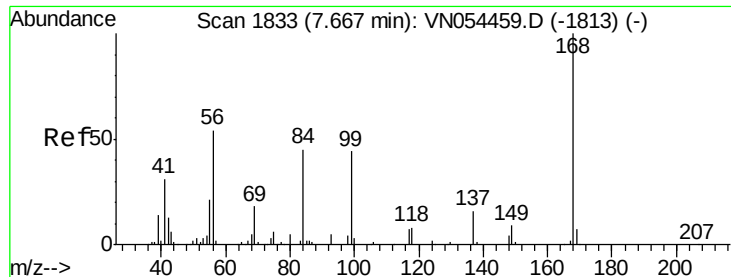
Quant Time: Mar 23 02:31:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	617788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	984772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	789216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	262383	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	435694	56.70	ug/l	0.00
Spiked Amount			Recovery	=	113.40%	
35) Dibromofluoromethane	7.59	113	336769	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
50) Toluene-d8	10.09	98	1256812	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
62) 4-Bromofluorobenzene	12.40	95	367012	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	229	0.357	ug/l	89
16) Acetone	3.83	43	7529	3.259	ug/l #	81
29) Tetrahydrofuran	7.22	42	657	0.342	ug/l #	37
31) Cyclohexane	7.66	56	12879	Below Cal	#	24
36) 1,1-Dichloropropene	7.67	75	47766	5.188	ug/l #	47
38) Carbon Tetrachloride	7.67	117	59274	6.624	ug/l #	16
53) t-1,3-Dichloropropene	10.09	75	225	2.255	ug/l #	1
71) Bromoform	12.40	173	2375	2.792	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	189109	45.419	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	189109	149.816	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054559.D

Acq: 22 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

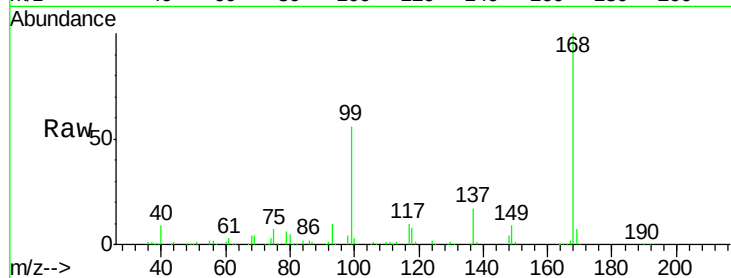
FIELD-QC-190319-TB2

Tot Ion:168 Resp: 617788

Ion Ratio Lower Upper

168 100

99 55.7 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): VN054459.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054459.D (-1813) (-)

7.66

250000

200000

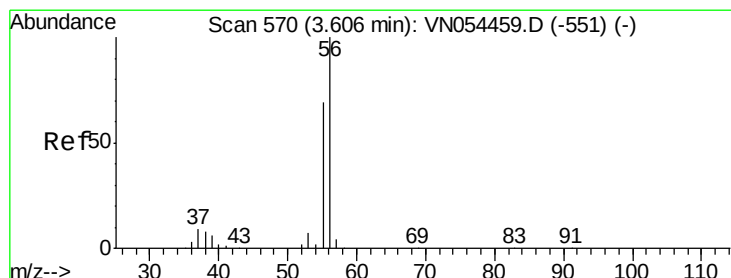
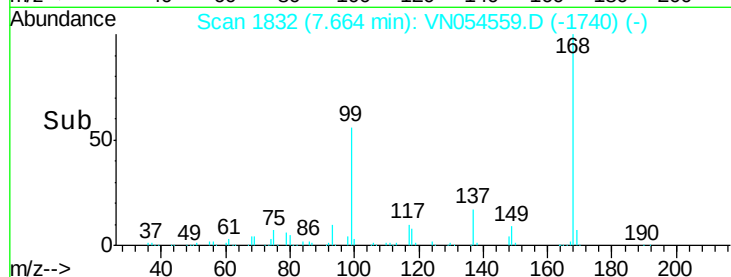
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.357 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054559.D

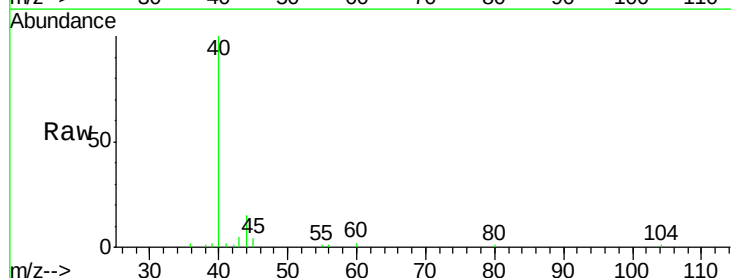
Acq: 22 Mar 2019 15:47

Tgt Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

55 61.6 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN054459.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN054459.D (-551) (-)

3.60

250

200

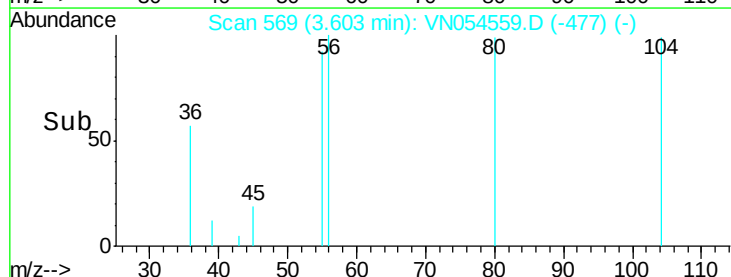
150

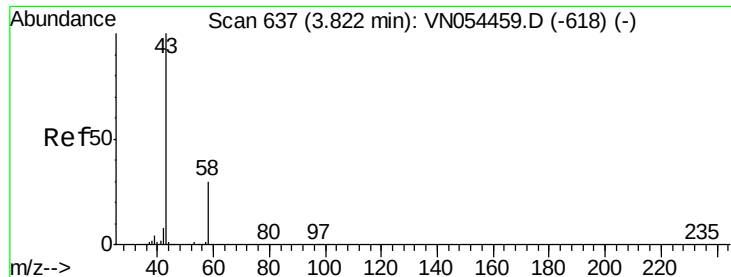
100

50

0

Time-->

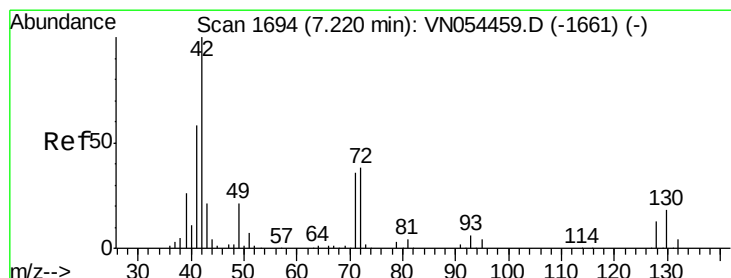
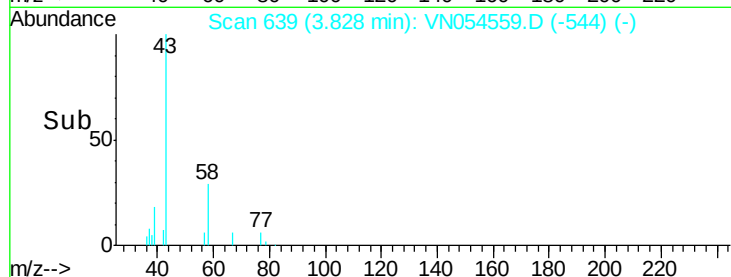
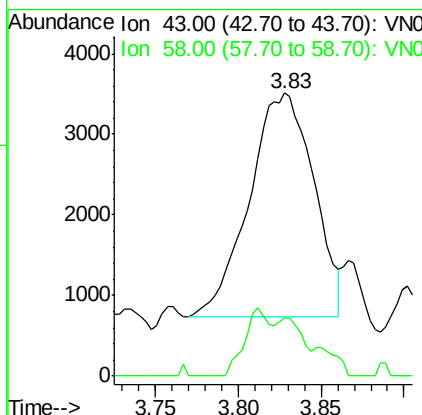
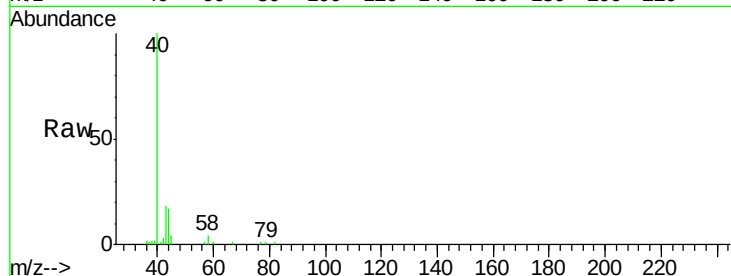




#16
Acetone
Concen: 3.259 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN054559.D
Acq: 22 Mar 2019 15:47

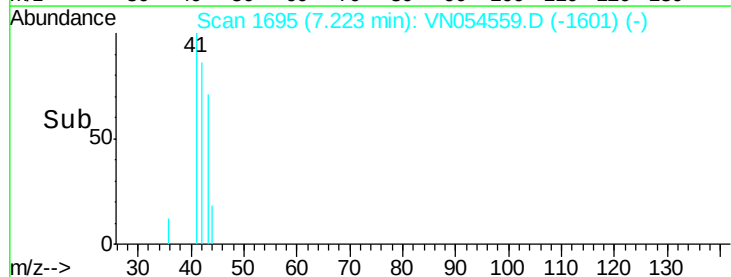
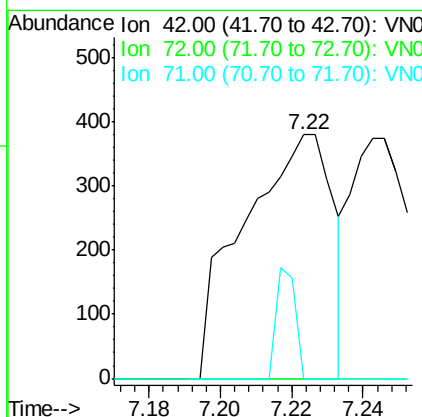
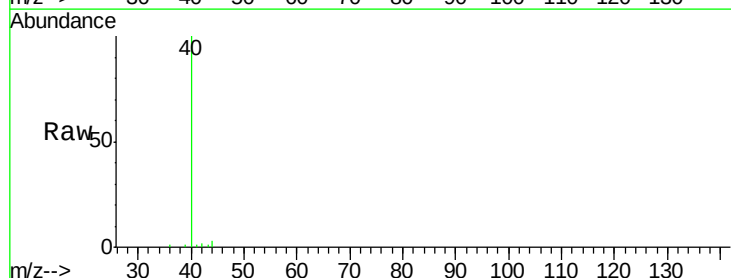
Instrument :
MSVOA_N
ClientSampleId :
FIELD-QC-190319-TB2

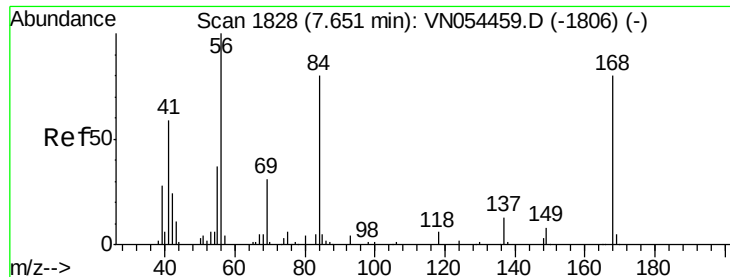
Tot Ion: 43 Resp: 7529
Ion Ratio Lower Upper
43 100
58 26.1 29.9 44.9#



#29
Tetrahydrofuran
Concen: 0.342 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054559.D
Acq: 22 Mar 2019 15:47

Tgt Ion: 42 Resp: 657
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 9.6 36.2 54.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054559.D

Acq: 22 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

FIELD-QC-190319-TB2

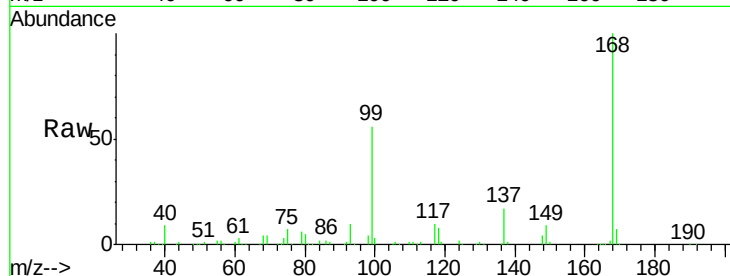
Tot Ion: 56 Resp: 12879

Ion Ratio Lower Upper

56 100

69 161.5 27.8 41.6#

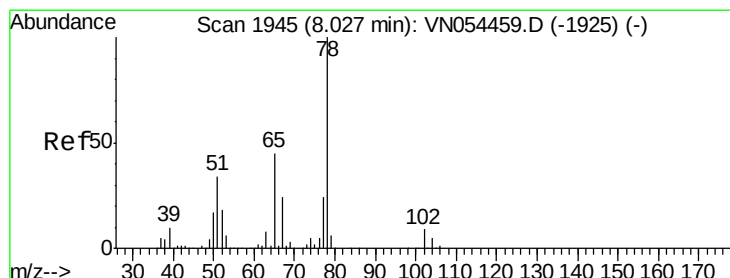
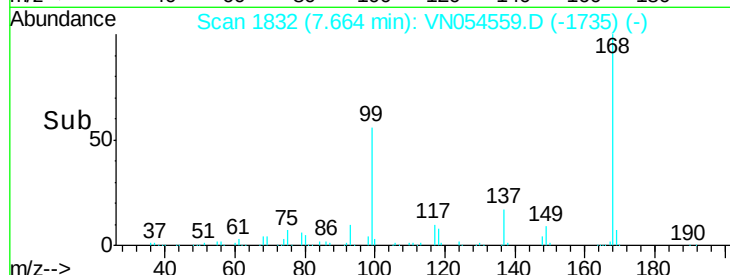
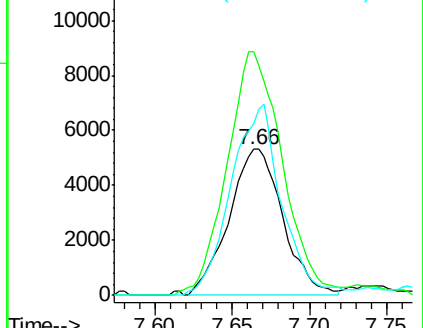
84 115.2 74.6 111.8#



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



#33

1,2-Dichloroethane-d4

Concen: 56.699 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054559.D

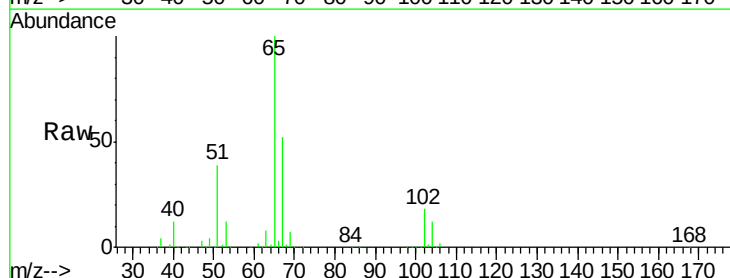
Acq: 22 Mar 2019 15:47

Tgt Ion: 65 Resp: 435694

Ion Ratio Lower Upper

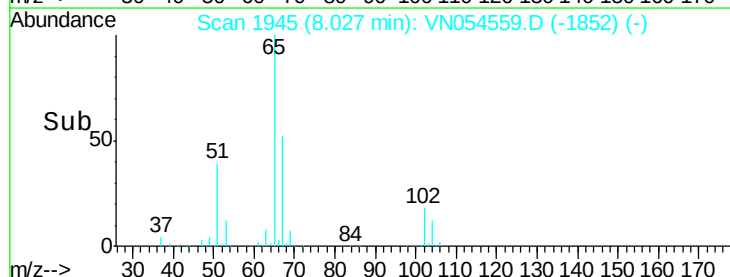
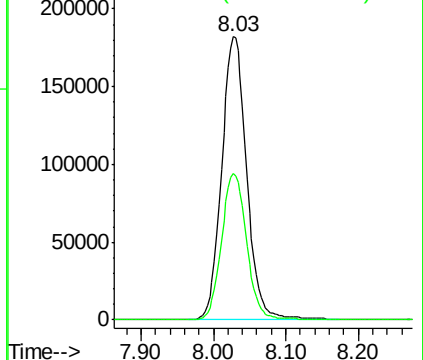
65 100

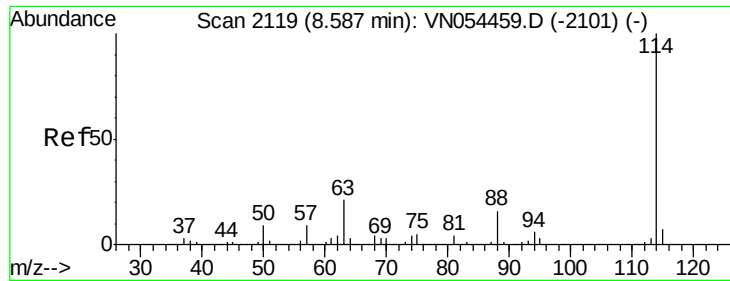
67 51.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

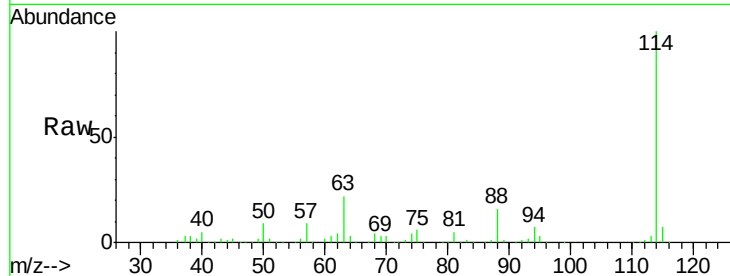




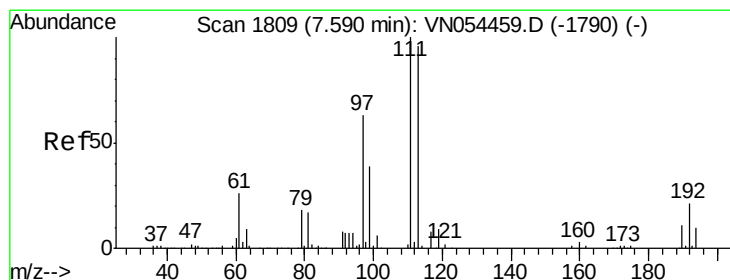
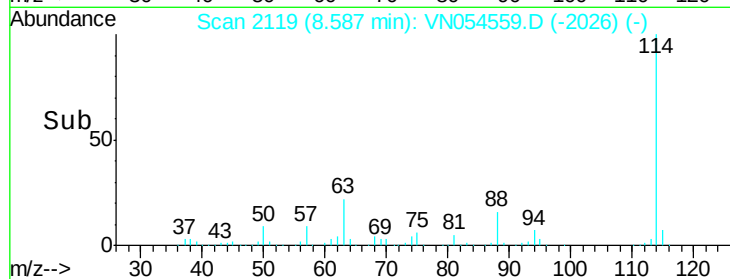
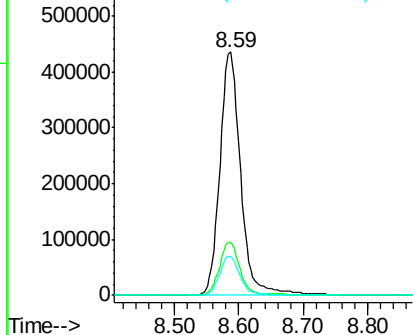
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054559.D
 Acq: 22 Mar 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-QC-190319-TB2

Tot Ion:114 Resp: 984772
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 35.2
 88 15.8 0.0 30.2

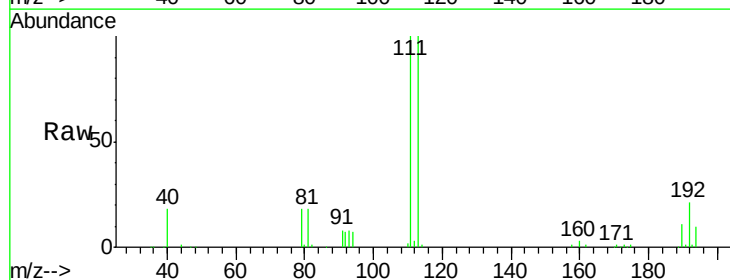


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

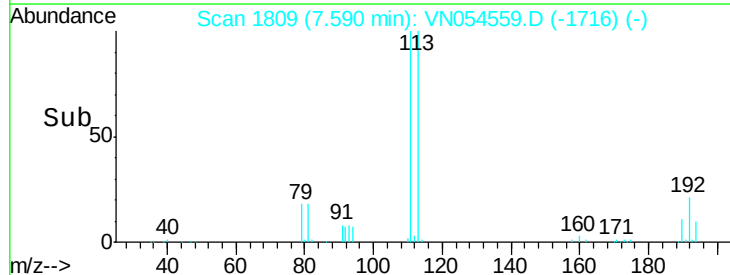
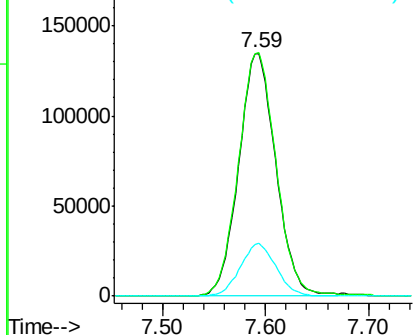


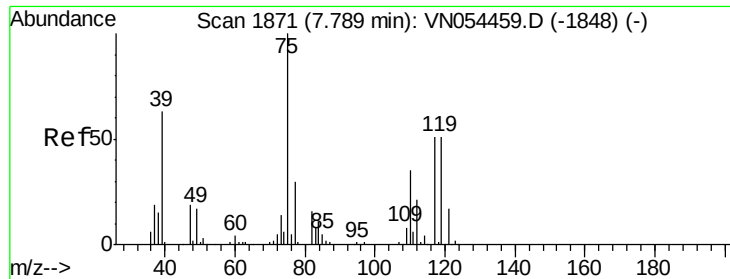
#35
 Dibromofluoromethane
 Concen: 53.081 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054559.D
 Acq: 22 Mar 2019 15:47

Tgt Ion:113 Resp: 336769
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.2 123.4
 192 21.1 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: 5.188 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN054559.D

Acq: 22 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

FIELD-QC-190319-TB2

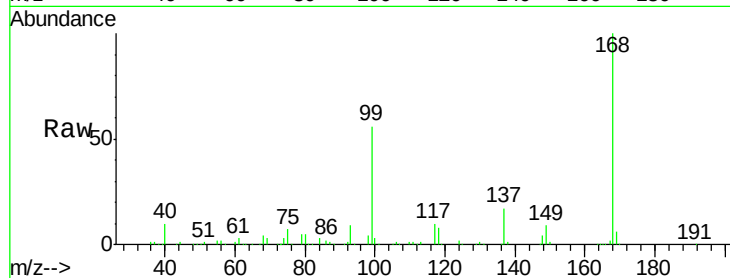
Tot Ion: 75 Resp: 47766

Ion Ratio Lower Upper

75 100

110 8.5 19.1 57.5#

77 0.0 25.0 37.4#

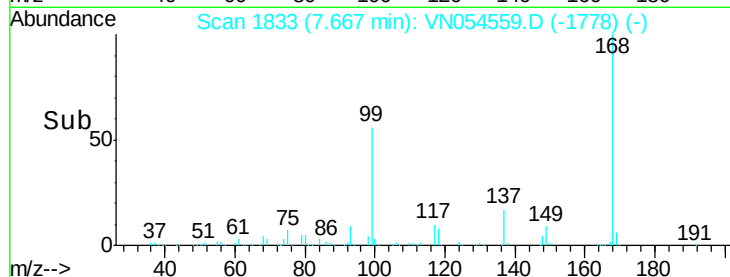


Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN054459.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN054459.D (-1848) (-)

Time-->



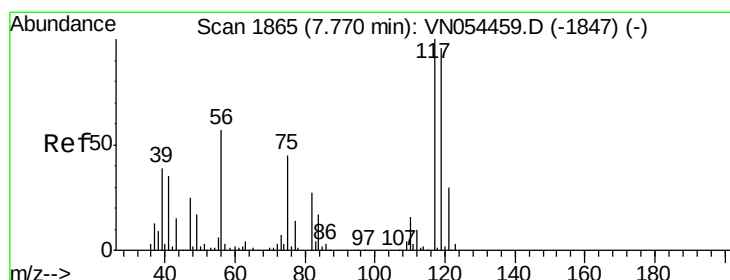
Abundance

Ion 74.90 (74.60 to 75.60): VN054459.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN054459.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN054459.D (-1848) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.624 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.10 min

Lab File: VN054559.D

Acq: 22 Mar 2019 15:47

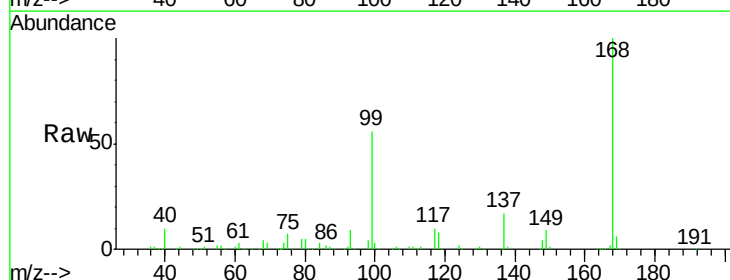
Tgt Ion: 117 Resp: 59274

Ion Ratio Lower Upper

117 100

119 4.9 76.3 114.5#

121 0.0 24.6 36.8#

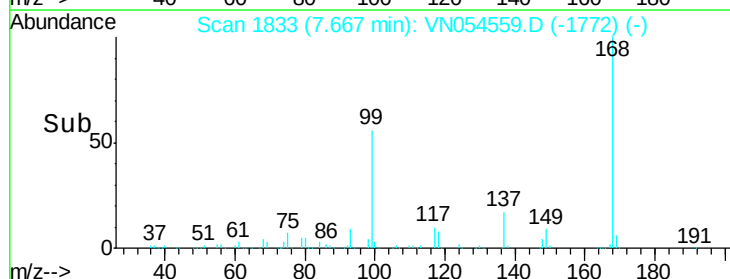


Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN054459.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN054459.D (-1847) (-)

Time-->



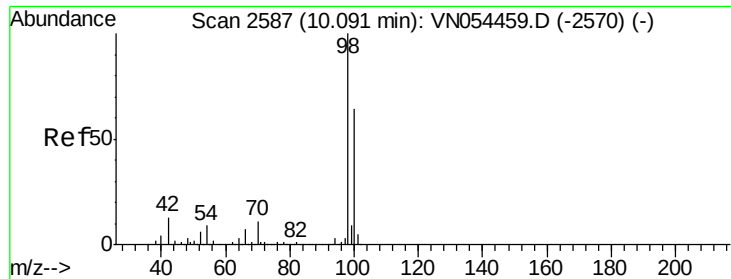
Abundance

Ion 116.80 (116.50 to 117.50): VN054459.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN054459.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN054459.D (-1847) (-)

Time-->



#50

Toluene-d8

Concen: 52.694 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054559.D

Acq: 22 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

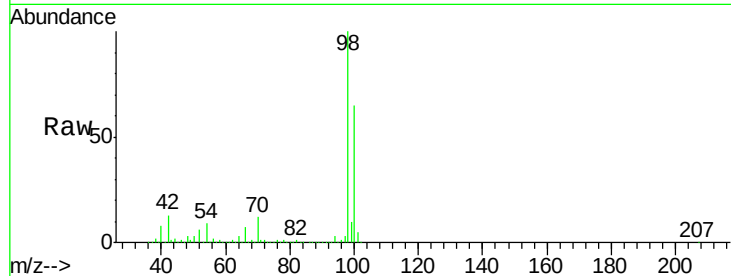
FIELD-QC-190319-TB2

Tot Ion: 98 Resp: 1256812

Ion Ratio Lower Upper

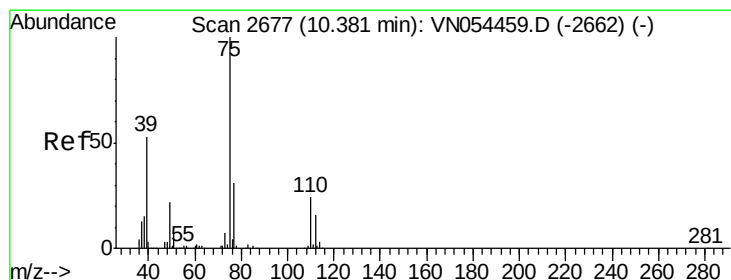
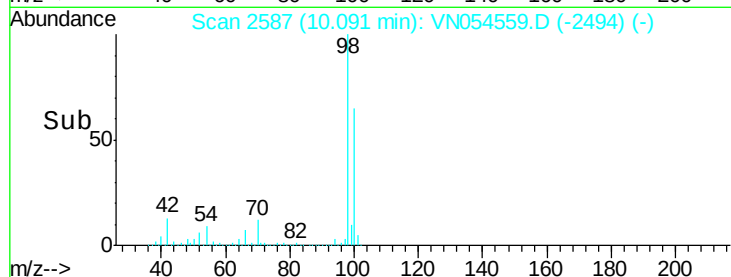
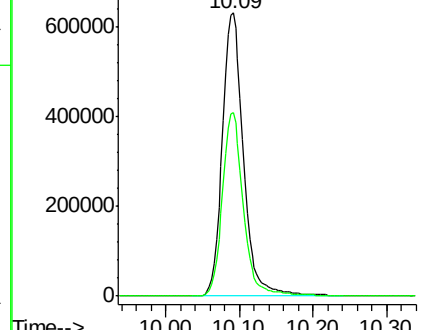
98 100

100 64.2 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) (-)



#53

t-1,3-Dichloropropene

Concen: 2.255 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. -0.29 min

Lab File: VN054559.D

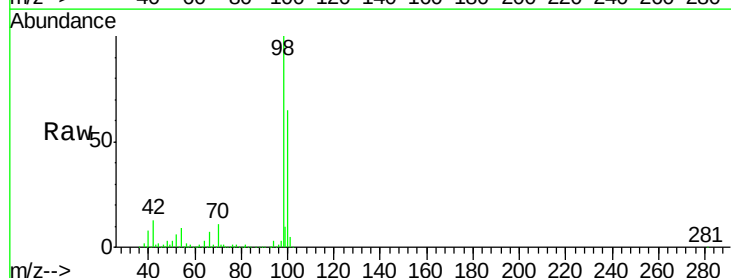
Acq: 22 Mar 2019 15:47

Tgt Ion: 75 Resp: 225

Ion Ratio Lower Upper

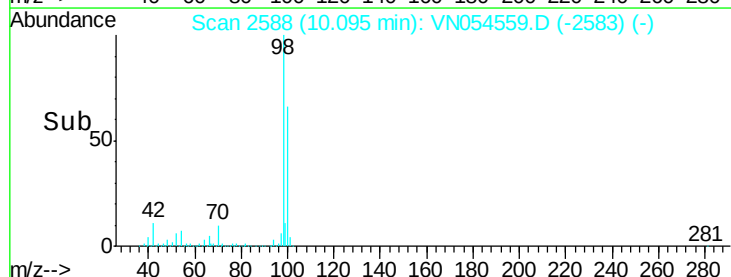
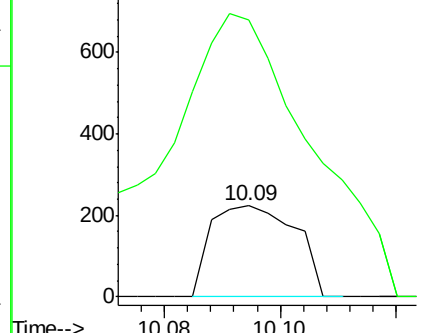
75 100

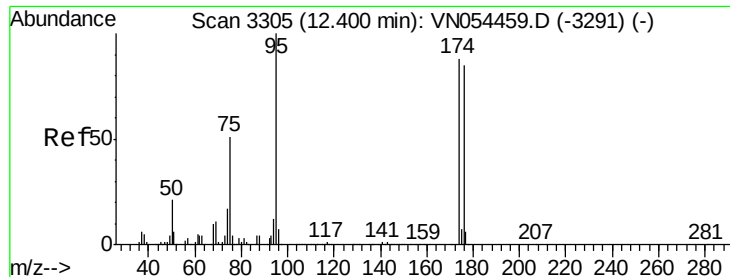
77 176.2 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-2662) (-)

Ion 76.90 (76.60 to 77.60): VN054459.D (-2662) (-)





#62

4-Bromofluorobenzene

Concen: 45.220 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054559.D

Acq: 22 Mar 2019 15:47

Instrument :

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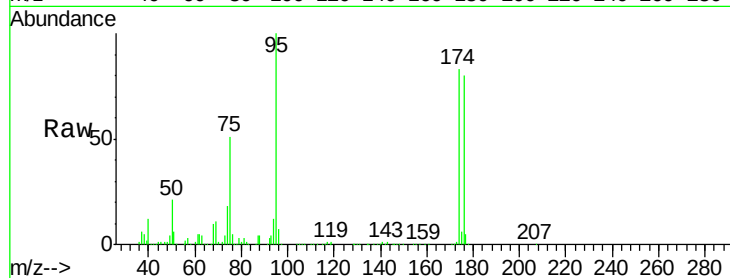
Tot Ion: 95 Resp: 367012

Ion Ratio Lower Upper

95 100

174 83.6 0.0 191.0

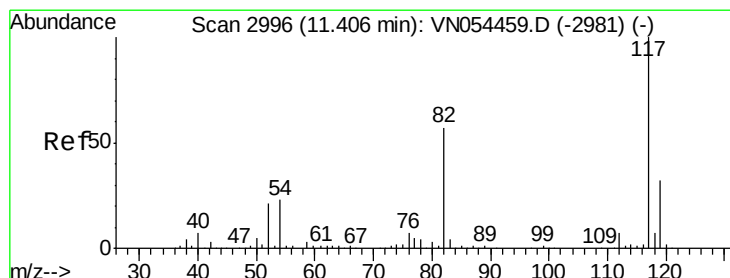
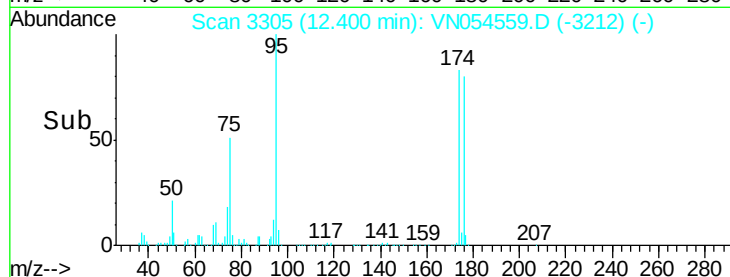
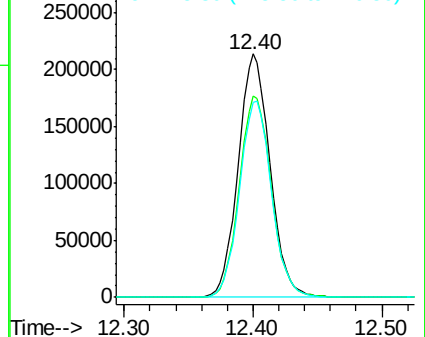
176 81.0 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054559.D

Acq: 22 Mar 2019 15:47

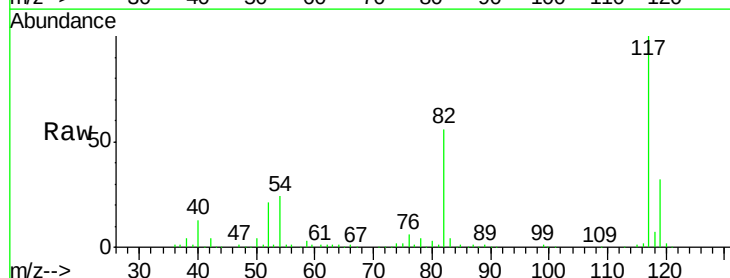
Tgt Ion: 117 Resp: 789216

Ion Ratio Lower Upper

117 100

82 56.2 40.0 60.0

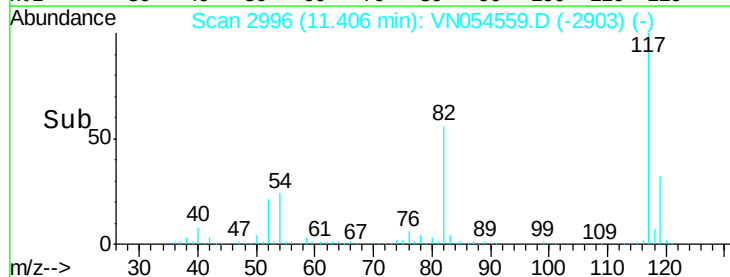
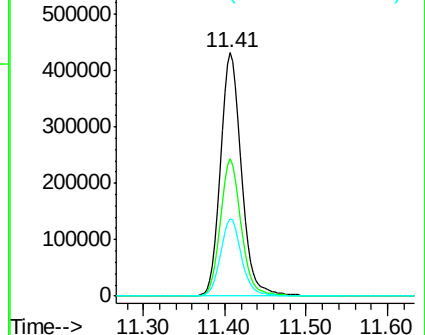
119 31.9 25.8 38.6

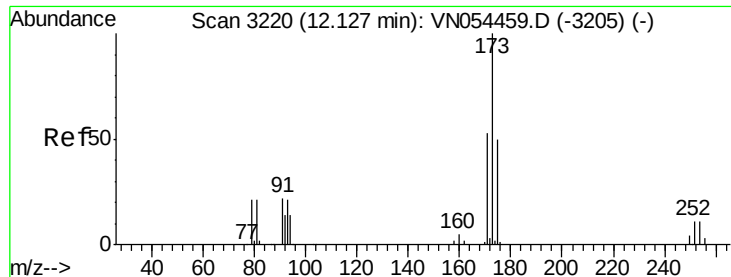


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 2.792 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054559.D

Acq: 22 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

FIELD-QC-190319-TB2

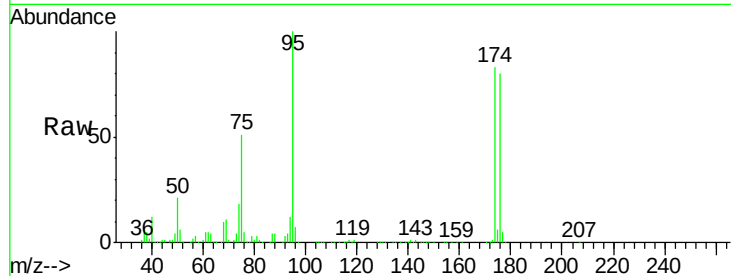
Tot Ion:173 Resp: 2375

Ion Ratio Lower Upper

173 100

175 847.2 24.4 73.2#

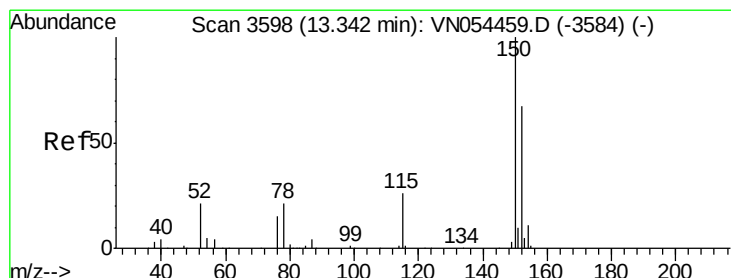
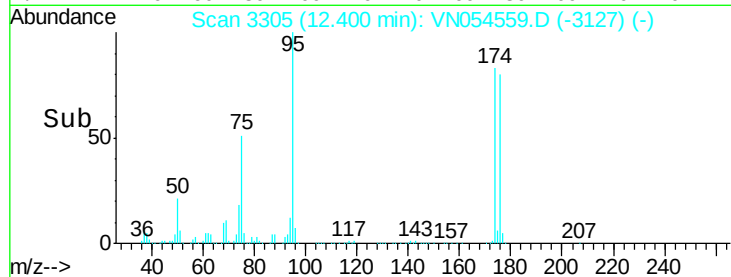
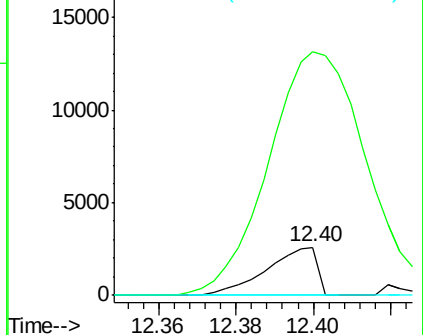
254 0.0 0.1 0.1#



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: VN054559.D

Acq: 22 Mar 2019 15:47

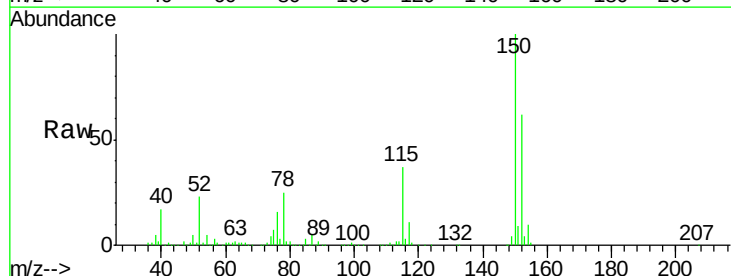
Tgt Ion:152 Resp: 262383

Ion Ratio Lower Upper

152 100

115 58.9 27.2 81.6

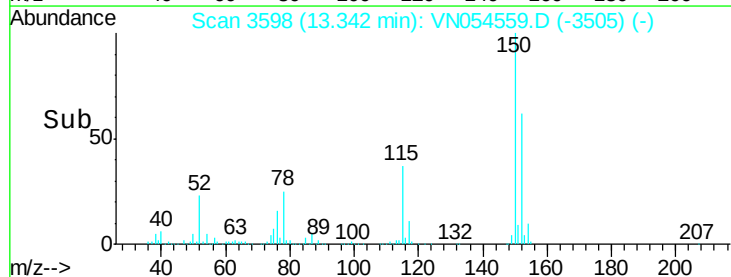
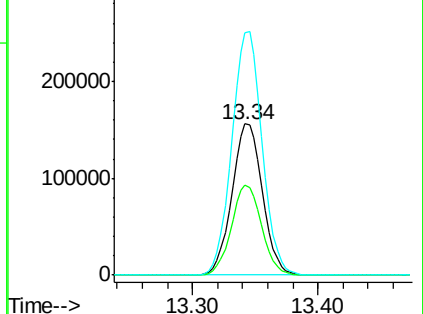
150 160.0 0.0 349.2

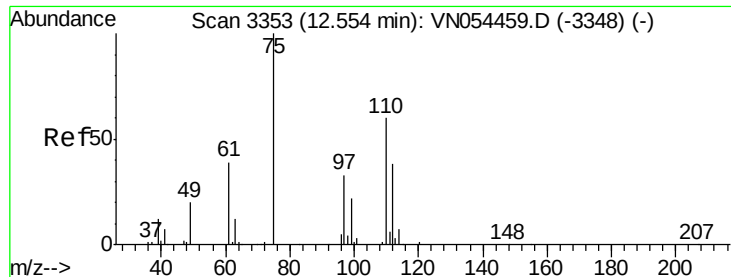


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 45.419 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054559.D

Acq: 22 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

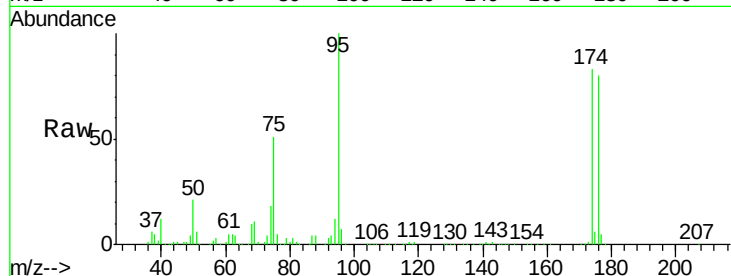
FIELD-QC-190319-TB2

Tot Ion: 75 Resp: 189109

Ion Ratio Lower Upper

75 100

77 0.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

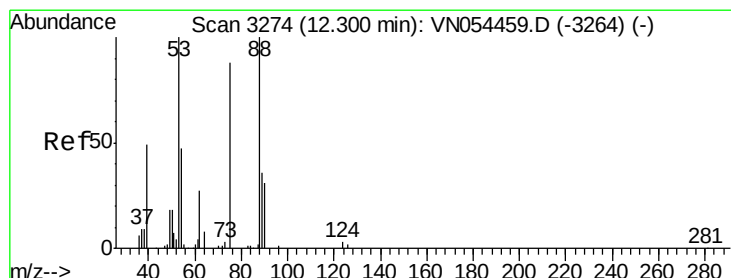
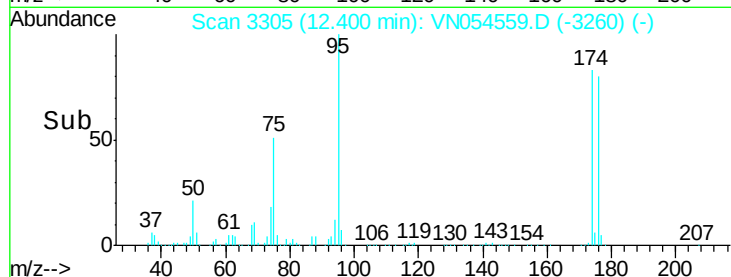
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 149.816 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054559.D

Acq: 22 Mar 2019 15:47

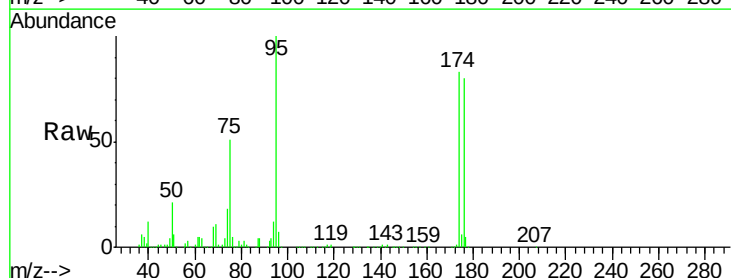
Tgt Ion: 75 Resp: 189109

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

150000

100000

50000

0

Time--> 12.30 12.40 12.50

