

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056709.D
 Acq On : 15 Jul 2019 14:06
 Operator : JC/SP
 Sample : K3797-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Jul 16 04:22:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	290178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	503564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	516831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187458	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	166814	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
35) Dibromofluoromethane	7.59	113	149461	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
50) Toluene-d8	10.09	98	628548	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.40	95	226930	55.60	ug/l	0.00
Spiked Amount			Recovery	=	111.20%	

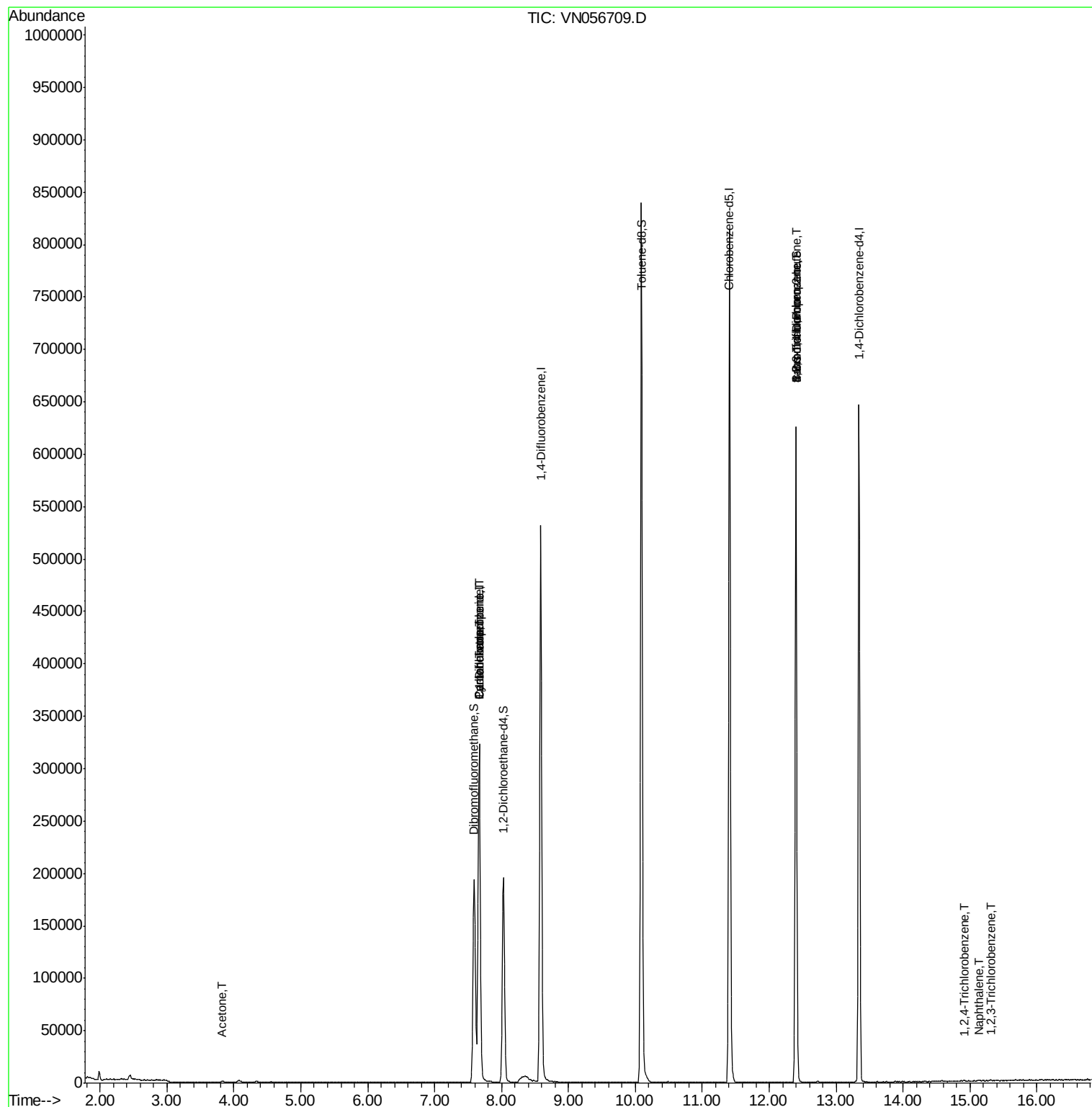
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	1240	0.838	ug/l #	87
18) Methyl Acetate	4.34	43	2500	Below Cal	#	72
31) Cyclohexane	7.67	56	4646	0.905	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19016	4.081	ug/l #	45
38) Carbon Tetrachloride	7.67	117	25441	5.822	ug/l #	15
71) Bromoform	12.40	173	1925	0.650	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	105037	25.619	ug/l #	100
79) 2-Chlorotoluene	12.67	91	101	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	105037	79.119	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	537	3.827	ug/l #	52
95) Naphthalene	15.14	128	1271	4.641	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	484	3.447	ug/l #	73

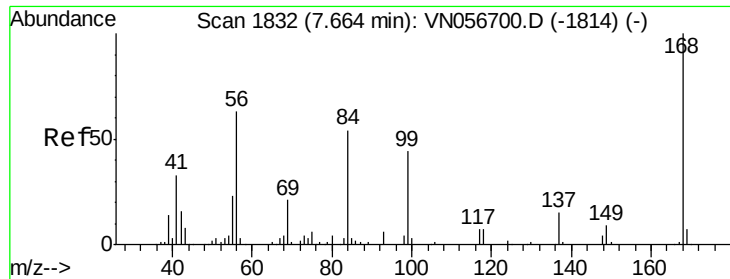
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071519\
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Quant Time: Jul 16 04:22:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 01:25:25 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: VN056709.D

Acq: 15 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

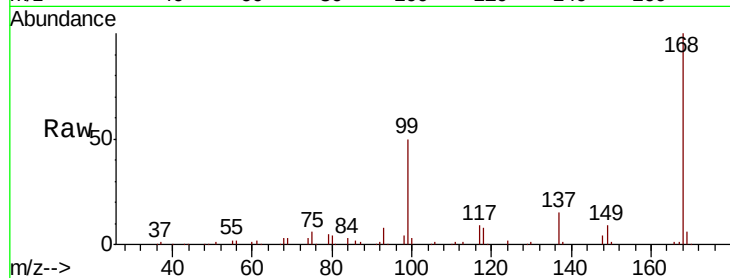
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 290178

Ion Ratio Lower Upper

168 100

99 49.7 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

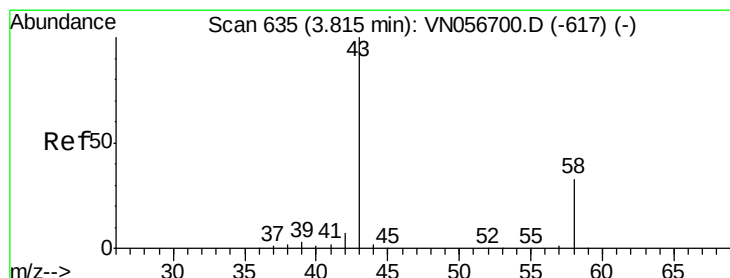
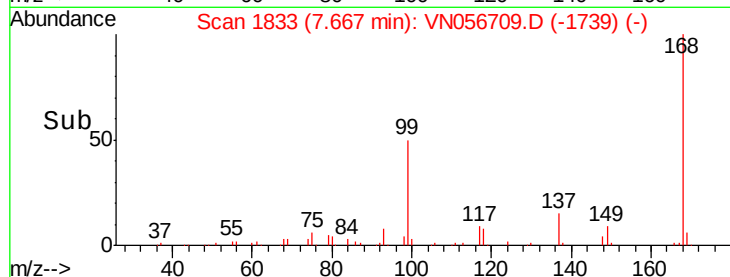
7.67

100000

50000

0

Time-->



#16

Acetone

Concen: 0.838 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056709.D

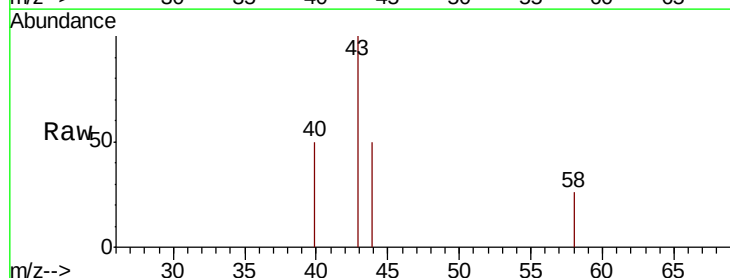
Acq: 15 Jul 2019 14:06

Tgt Ion: 43 Resp: 1240

Ion Ratio Lower Upper

43 100

58 26.1 26.7 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

1000

800

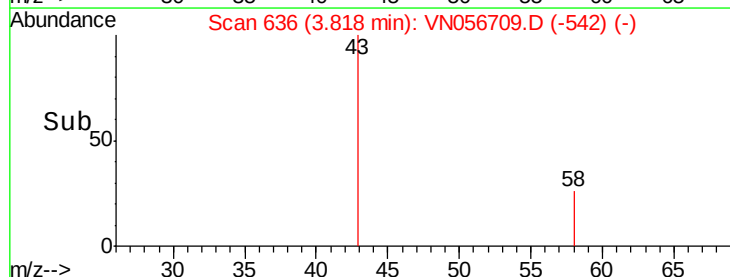
600

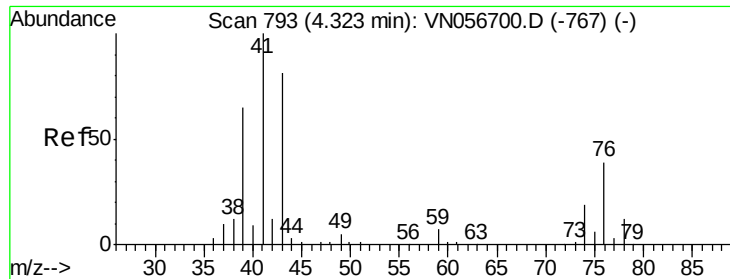
400

200

0

Time-->

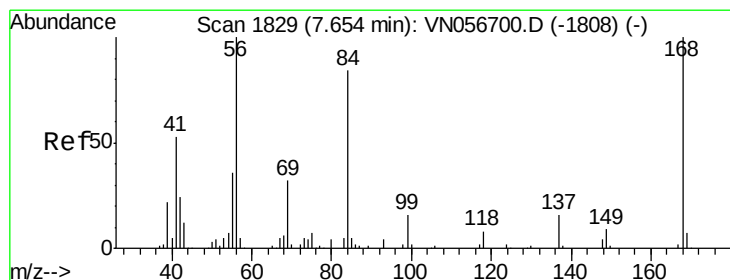
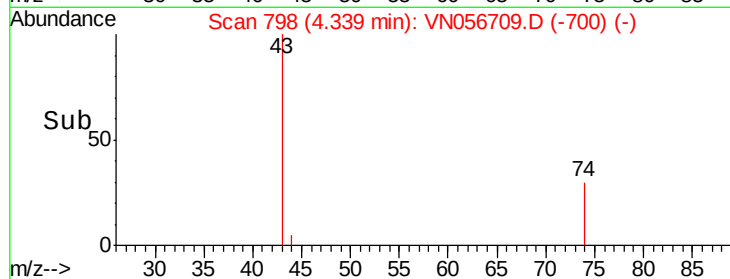
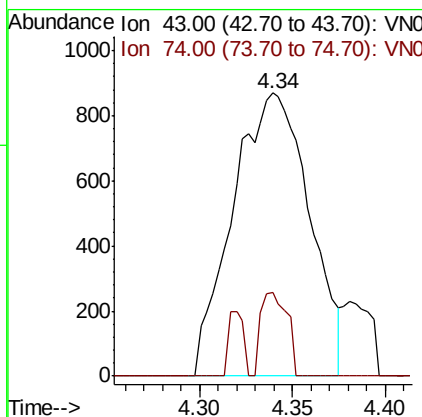
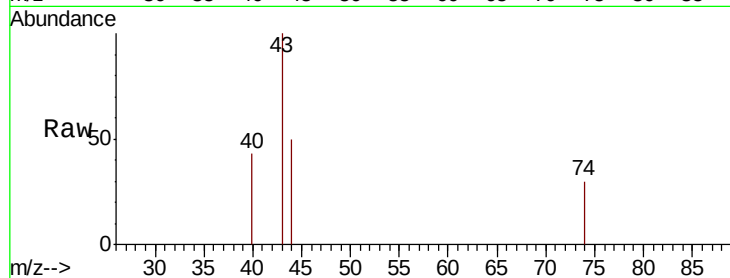




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN056709.D
Acq: 15 Jul 2019 14:06

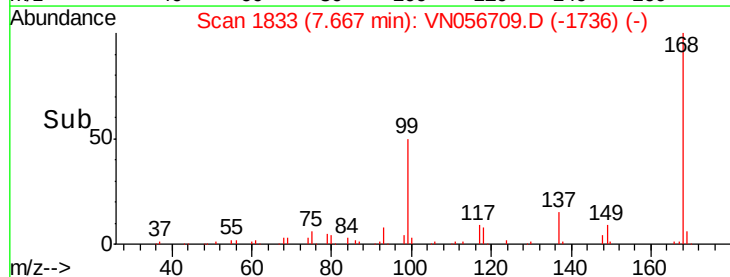
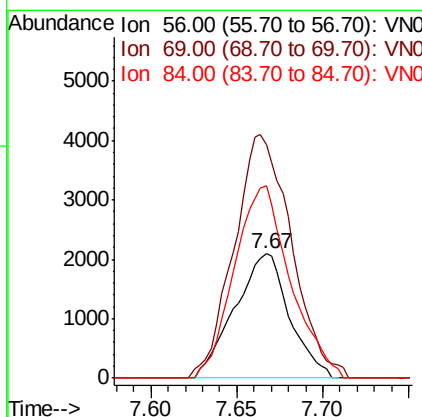
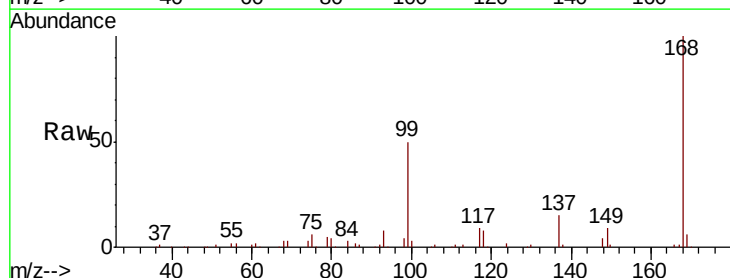
Instrument :
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STORAGE-BLANK-SOIL-REF-6

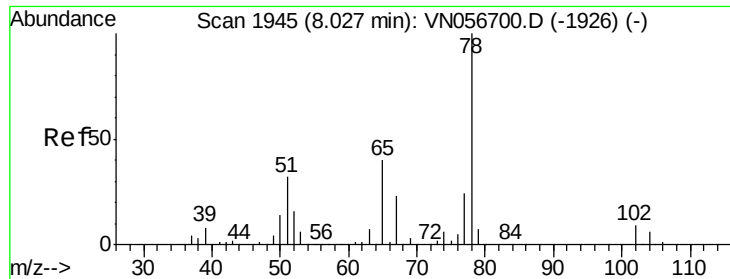
Tot Ion: 43 Resp: 2500
Ion Ratio Lower Upper
43 100
74 10.1 18.9 28.3#



#31
Cyclohexane
Concen: 0.905 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN056709.D
Acq: 15 Jul 2019 14:06

Tgt Ion: 56 Resp: 4646
Ion Ratio Lower Upper
56 100
69 187.7 25.8 38.8#
84 154.7 67.4 101.0#

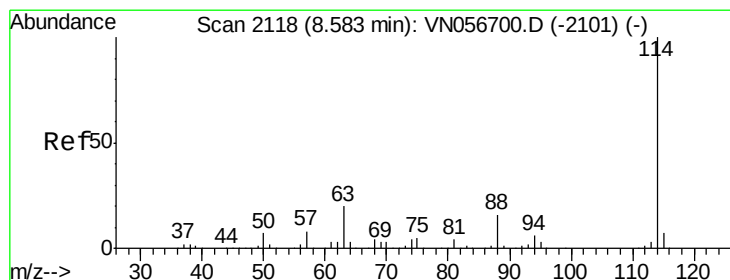
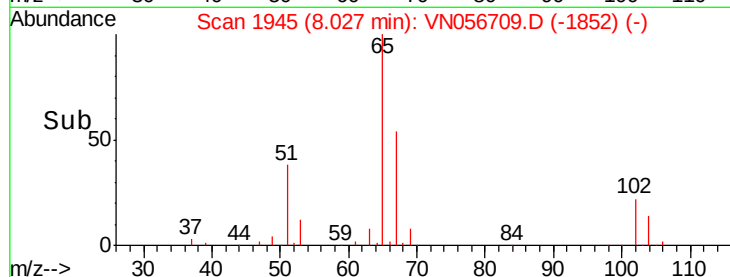
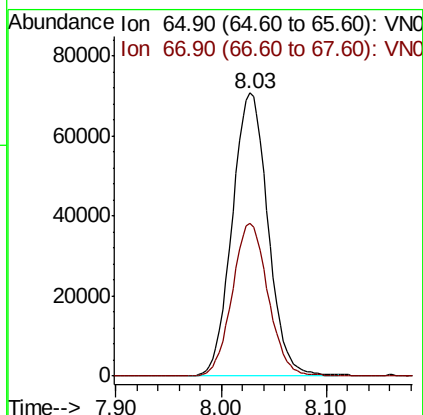
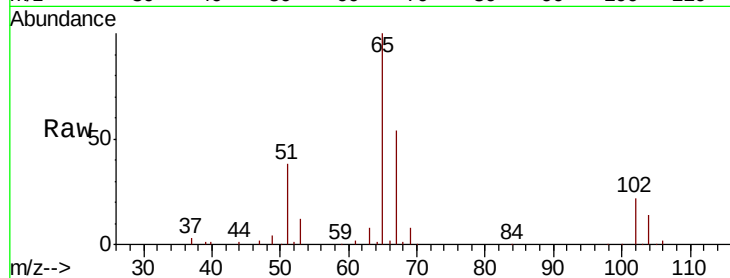




#33
 1,2-Dichloroethane-d4
 Concen: 51.971 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056709.D
 Acq: 15 Jul 2019 14:06

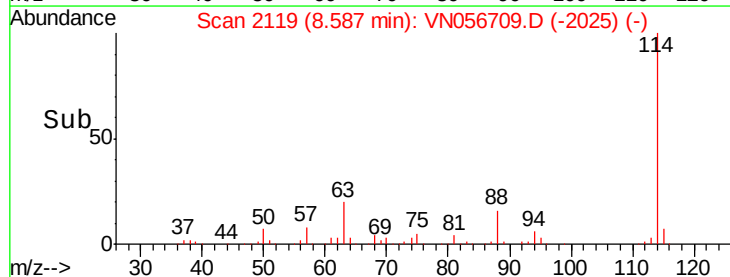
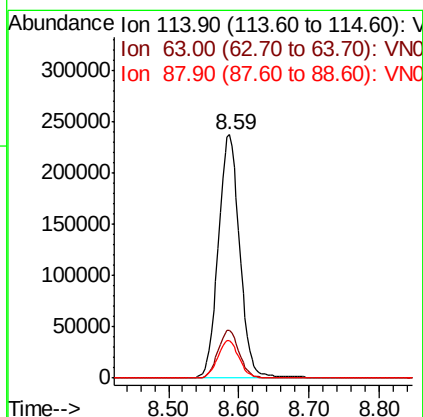
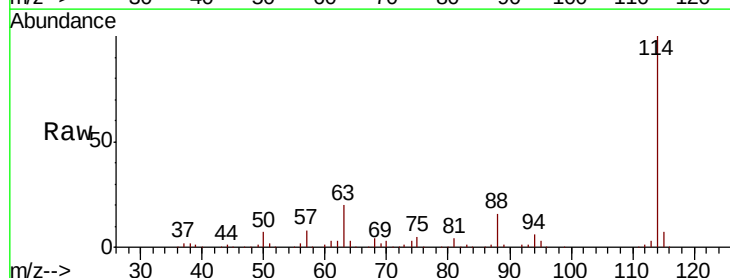
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

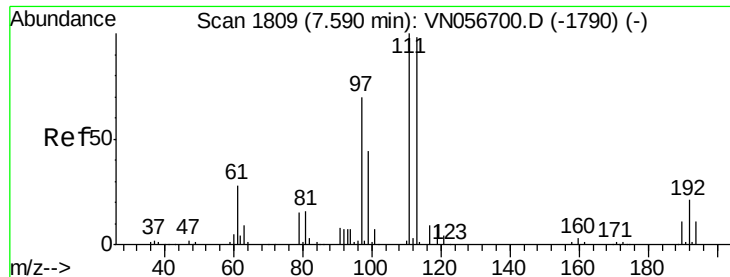
Tot Ion: 65 Resp: 166814
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056709.D
 Acq: 15 Jul 2019 14:06

Tgt Ion: 114 Resp: 503564
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.4
 88 15.6 0.0 31.2

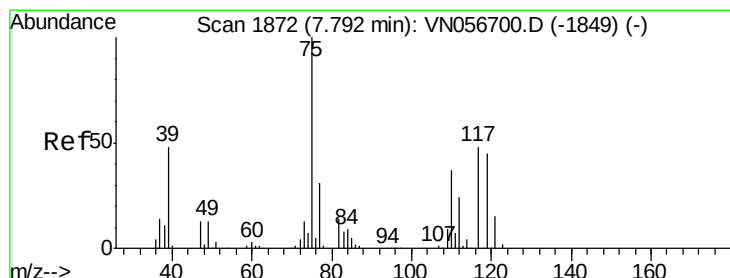
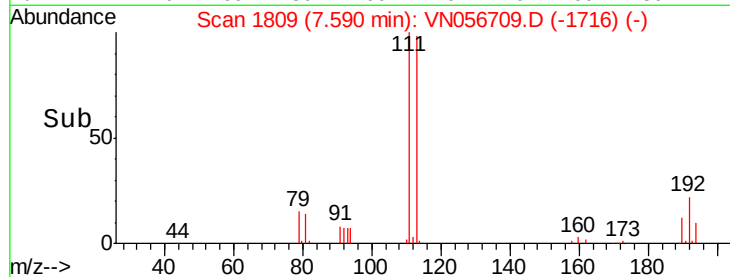
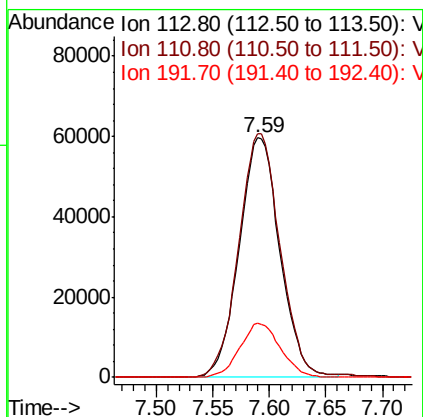
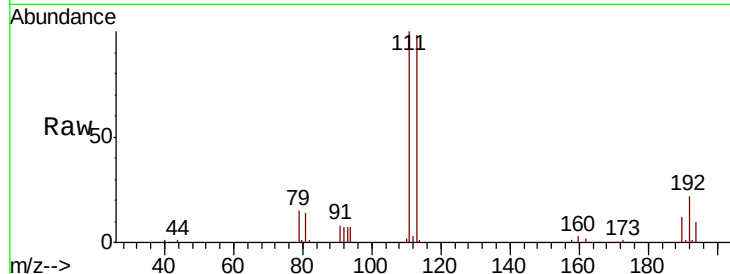




#35
 Dibromofluoromethane
 Concen: 47.694 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056709.D
 Acq: 15 Jul 2019 14:06

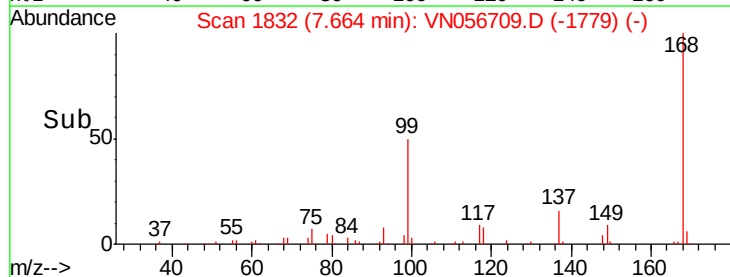
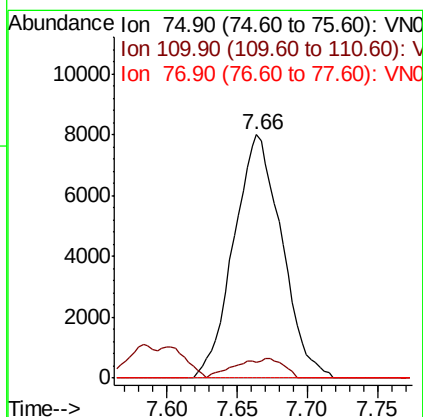
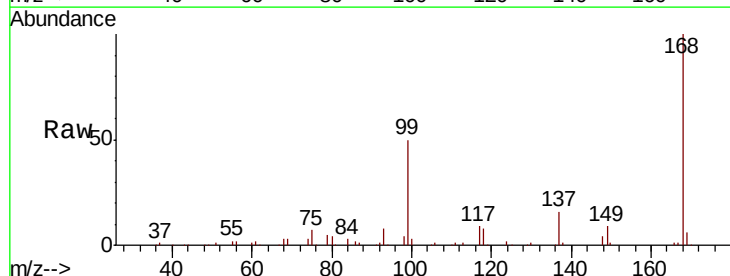
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

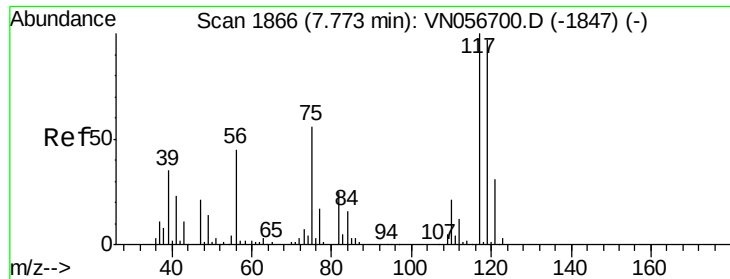
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	22.5	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.081 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056709.D
 Acq: 15 Jul 2019 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.2	18.4	55.4#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.822 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN056709.D

Acq: 15 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

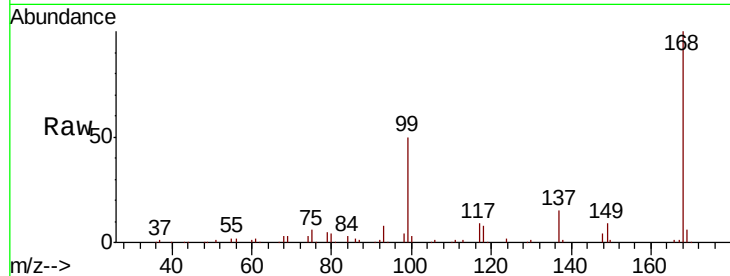
Tot Ion:117 Resp: 25441

Ion Ratio Lower Upper

117 100

119 4.4 77.5 116.3#

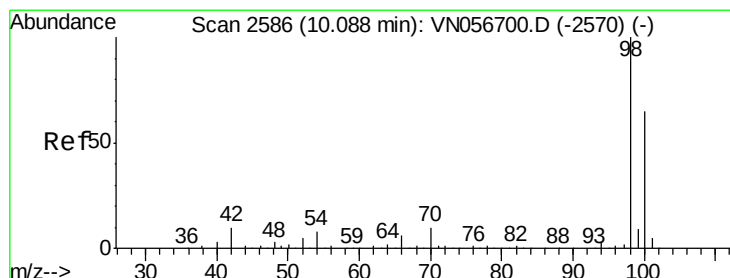
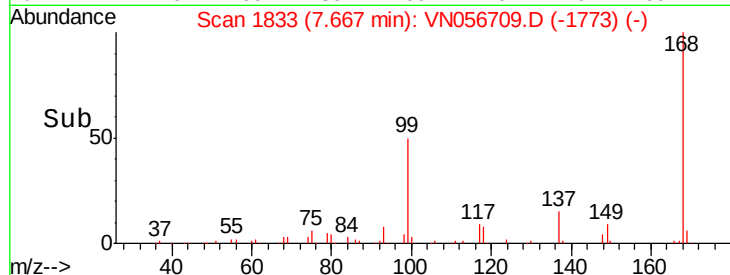
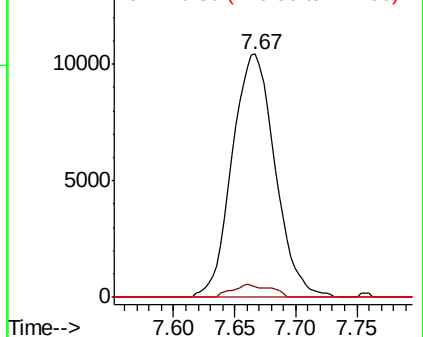
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 51.932 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056709.D

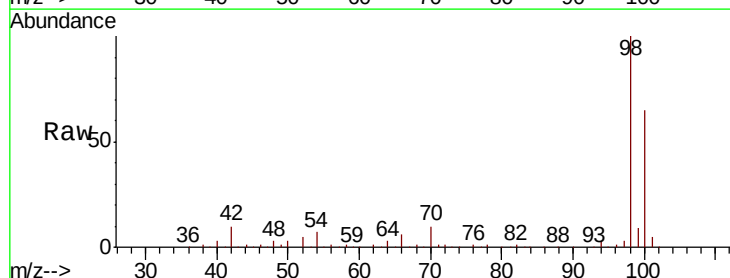
Acq: 15 Jul 2019 14:06

Tgt Ion: 98 Resp: 628548

Ion Ratio Lower Upper

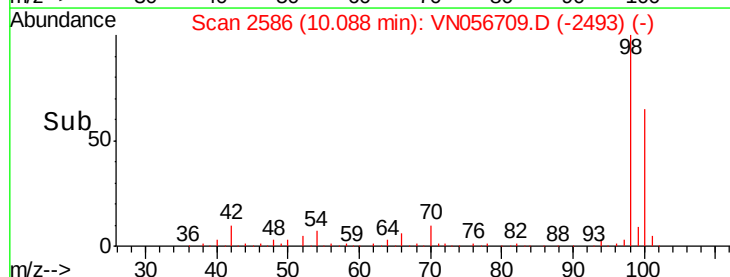
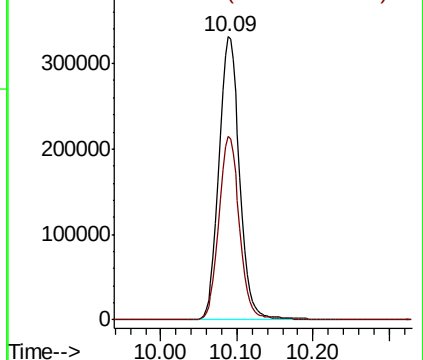
98 100

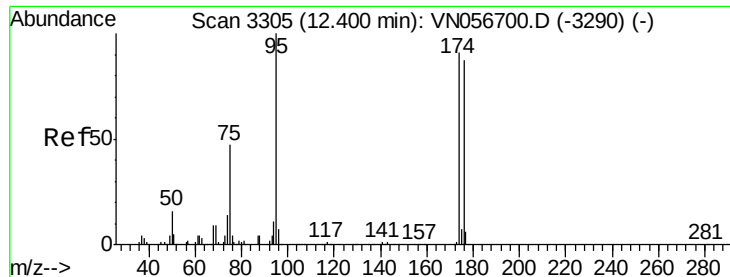
100 64.4 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 55.597 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056709.D

Acq: 15 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

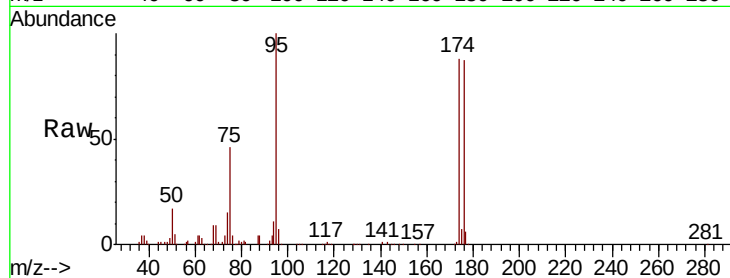
Tot Ion: 95 Resp: 226930

Ion Ratio Lower Upper

95 100

174 88.6 0.0 180.0

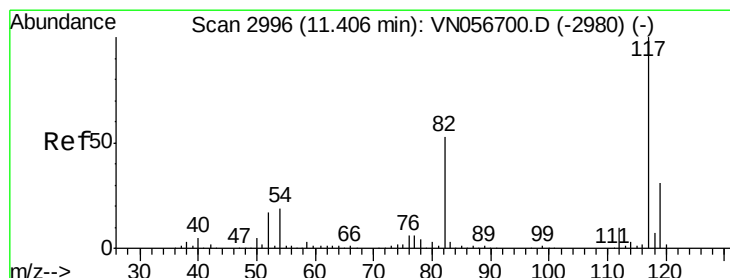
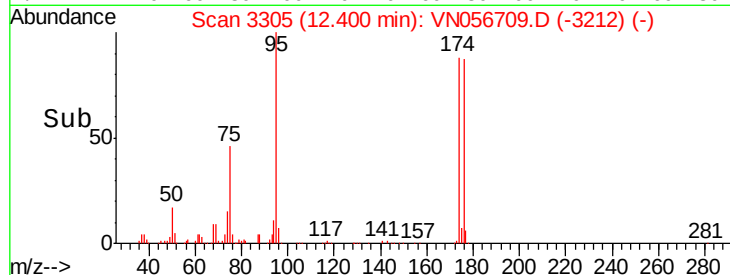
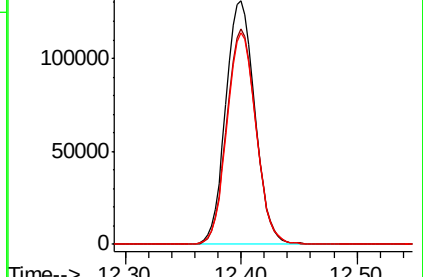
176 86.8 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): VN056709.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN056709.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN056709.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056709.D

Acq: 15 Jul 2019 14:06

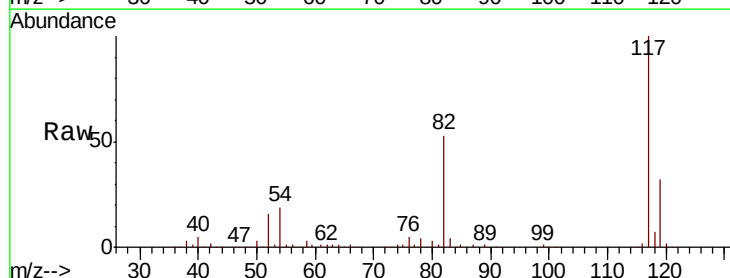
Tgt Ion: 117 Resp: 516831

Ion Ratio Lower Upper

117 100

82 53.0 42.2 63.2

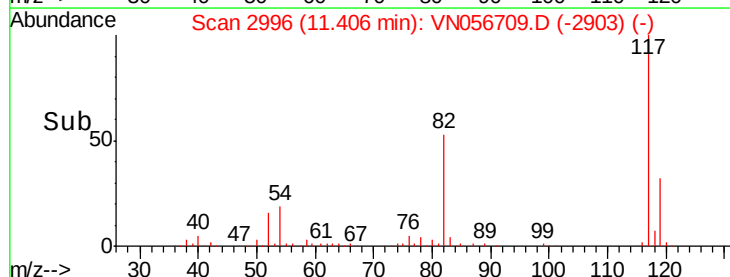
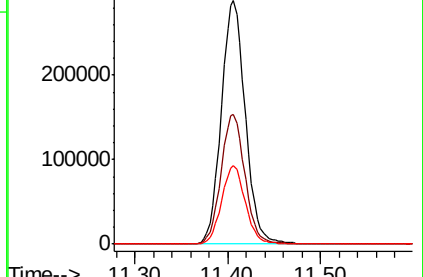
119 32.3 25.2 37.8

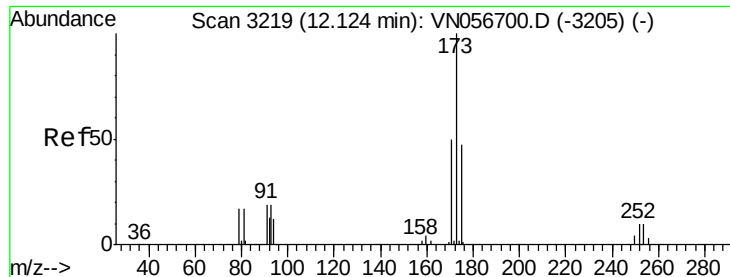


Abundance Ion 116.90 (116.60 to 117.60): VN056709.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN056709.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN056709.D (-2903) (-)





#71

Bromoform

Concen: 0.650 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN056709.D

Acq: 15 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

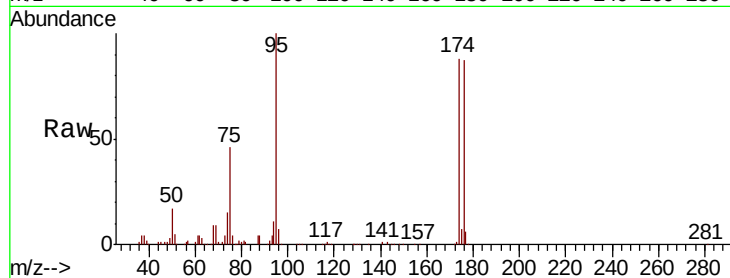
Tot Ion:173 Resp: 1925

Ion Ratio Lower Upper

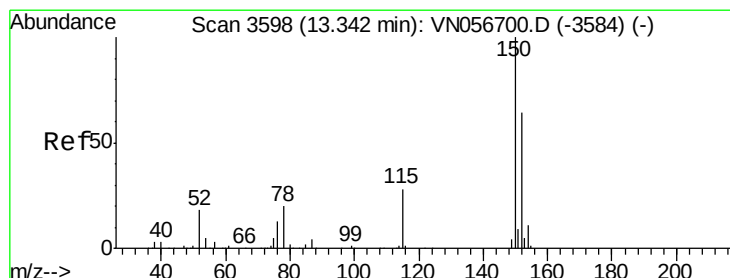
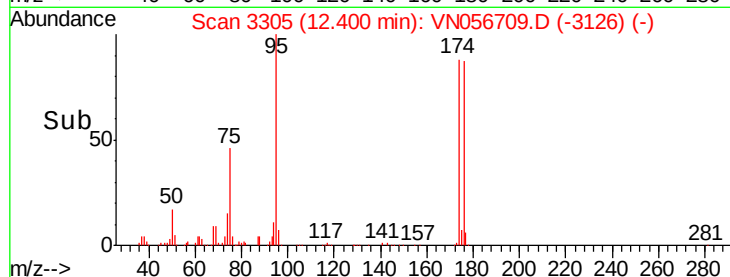
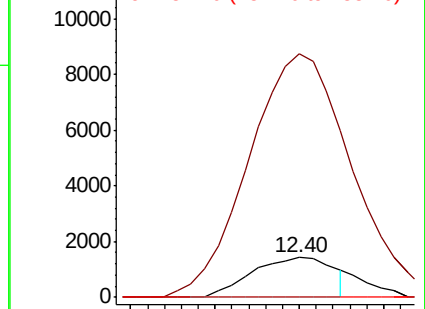
173 100

175 637.2 23.8 71.4#

254 0.0 0.0 0.0



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: VN056709.D

Acq: 15 Jul 2019 14:06

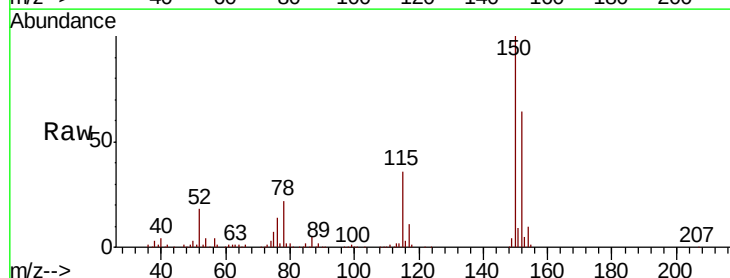
Tgt Ion:152 Resp: 187458

Ion Ratio Lower Upper

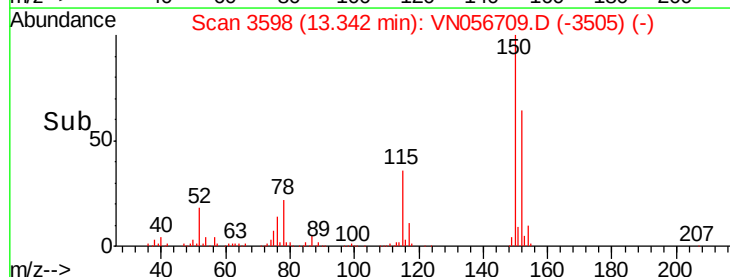
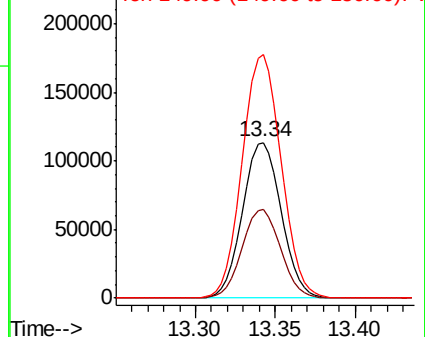
152 100

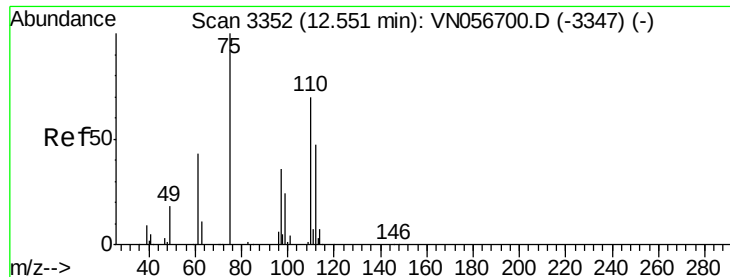
115 56.8 28.2 84.7

150 157.8 0.0 345.8



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: 25.619 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056709.D

Acq: 15 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

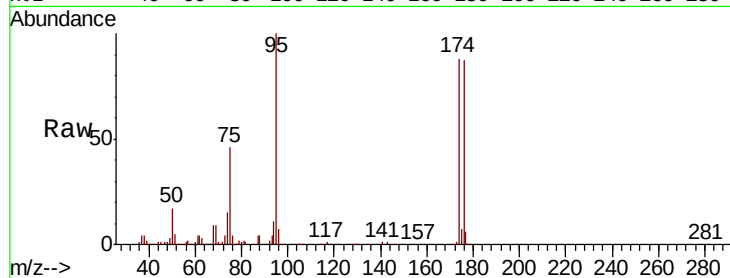
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 105037

Ion Ratio Lower Upper

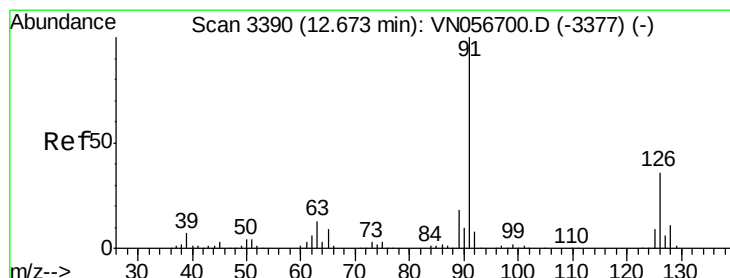
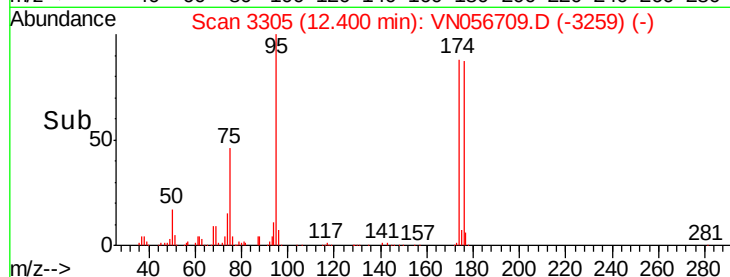
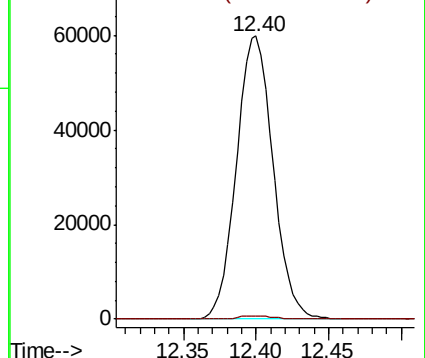
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056709.D

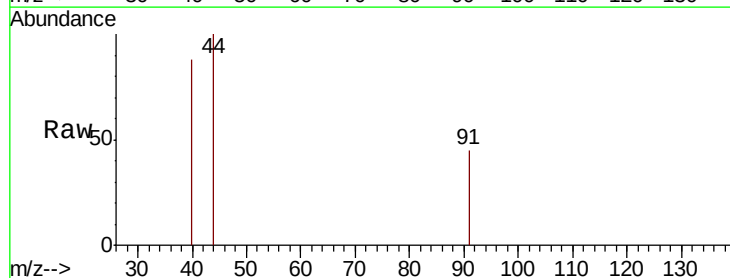
Acq: 15 Jul 2019 14:06

Tgt Ion: 91 Resp: 101

Ion Ratio Lower Upper

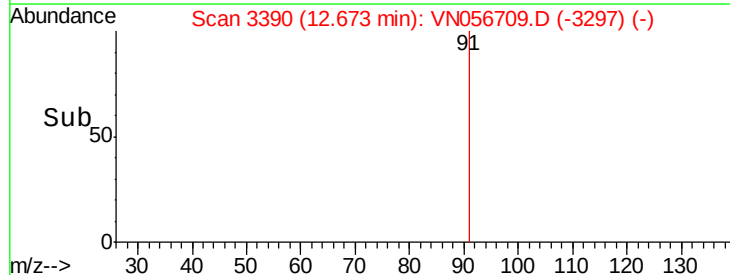
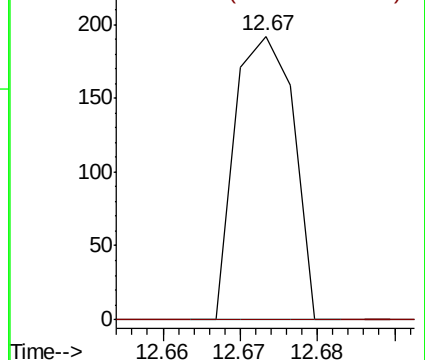
91 100

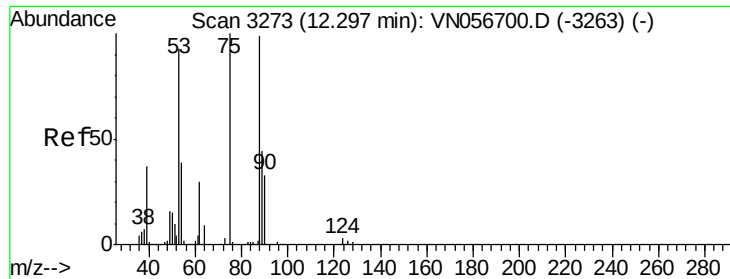
126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 79.119 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056709.D

Acq: 15 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

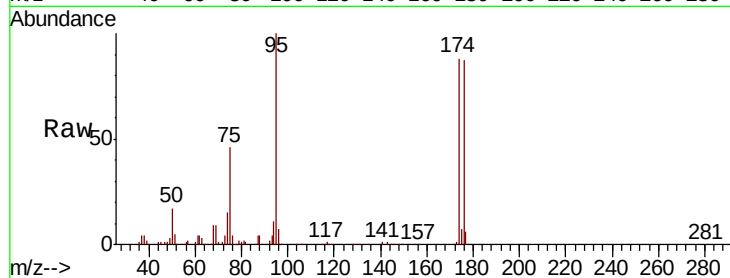
Tot Ion: 75 Resp: 105037

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

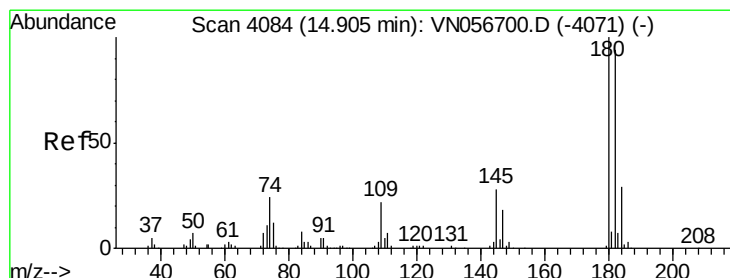
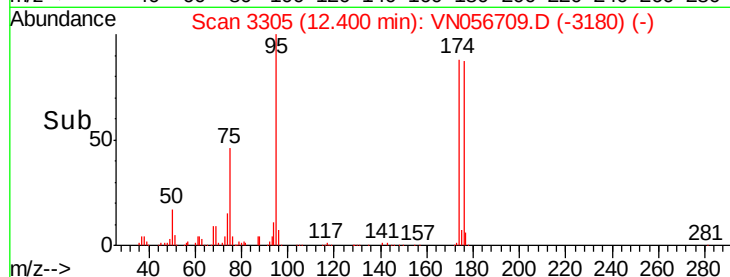
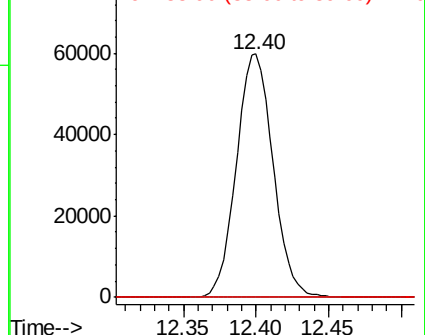
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN056709.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN056709.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN056709.D (-3305) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.827 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN056709.D

Acq: 15 Jul 2019 14:06

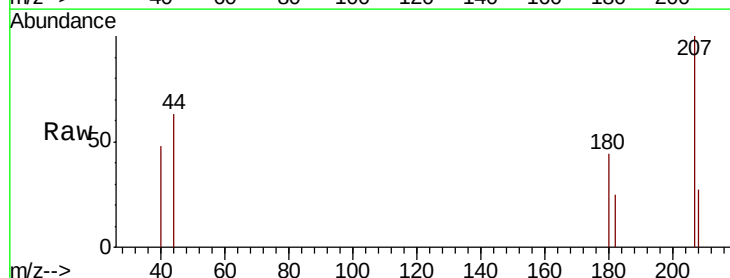
Tgt Ion: 180 Resp: 537

Ion Ratio Lower Upper

180 100

182 49.7 47.2 141.6

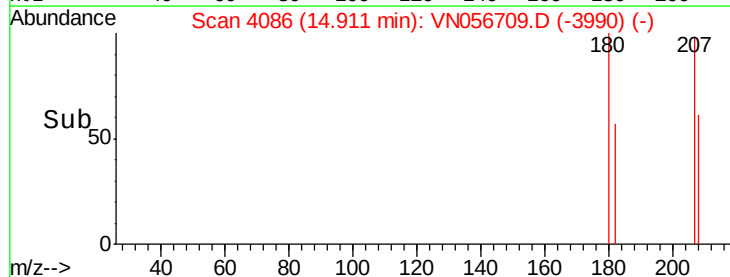
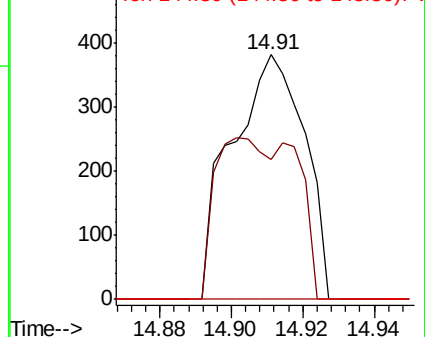
145 0.0 14.2 42.8#

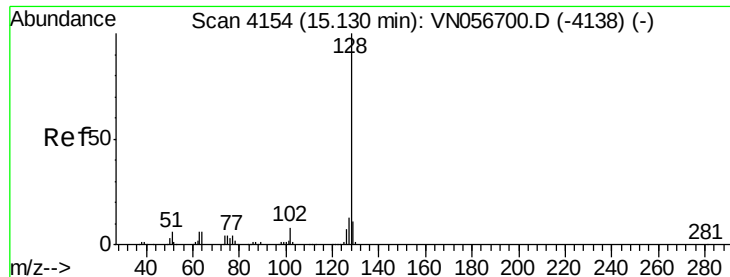


Abundance Ion 179.80 (179.50 to 180.50): VN056709.D (-4086) (-)

Ion 181.80 (181.50 to 182.50): VN056709.D (-4086) (-)

Ion 144.80 (144.50 to 145.50): VN056709.D (-4086) (-)





#95

Naphthalene

Concen: 4.641 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN056709.D

Acq: 15 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

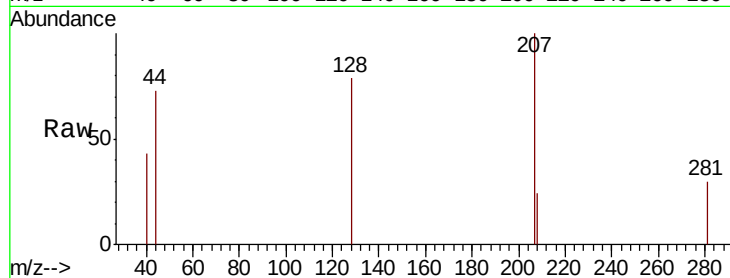
Tot Ion:128 Resp: 1271

Ion Ratio Lower Upper

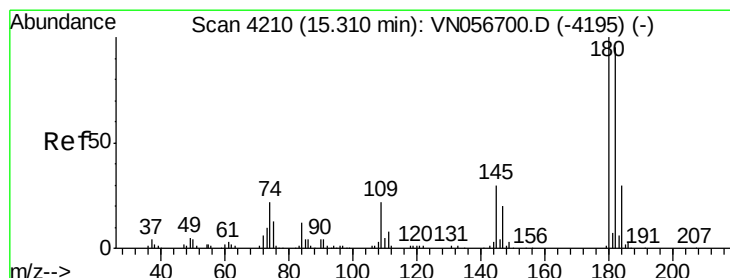
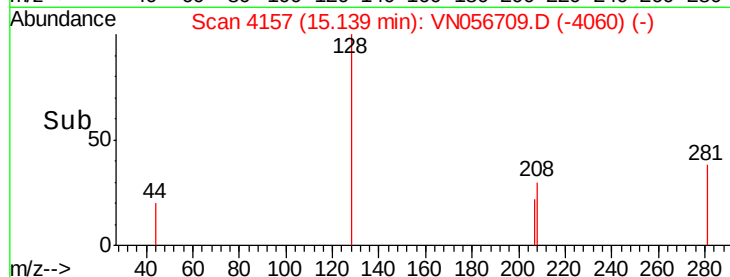
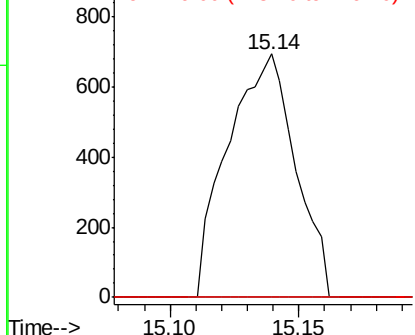
128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



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: 3.447 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.01 min

Lab File: VN056709.D

Acq: 15 Jul 2019 14:06

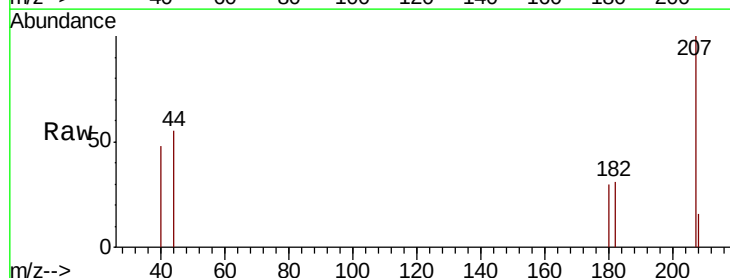
Tgt Ion:180 Resp: 484

Ion Ratio Lower Upper

180 100

182 111.8 47.1 141.3

145 0.0 15.0 45.1#



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

