

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052232.D
 Acq On : 9 Nov 2018 17:35
 Operator : MD\SY
 Sample : J5893-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

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

Quant Time: Nov 12 03:23:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	357175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	581023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	480850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	157544	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	215274	44.07	ug/l	0.00
Spiked Amount			Recovery	=	88.14%	
35) Dibromofluoromethane	7.59	113	180219	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
50) Toluene-d8	10.09	98	711720	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.40	95	199174	41.81	ug/l	0.00
Spiked Amount			Recovery	=	83.62%	

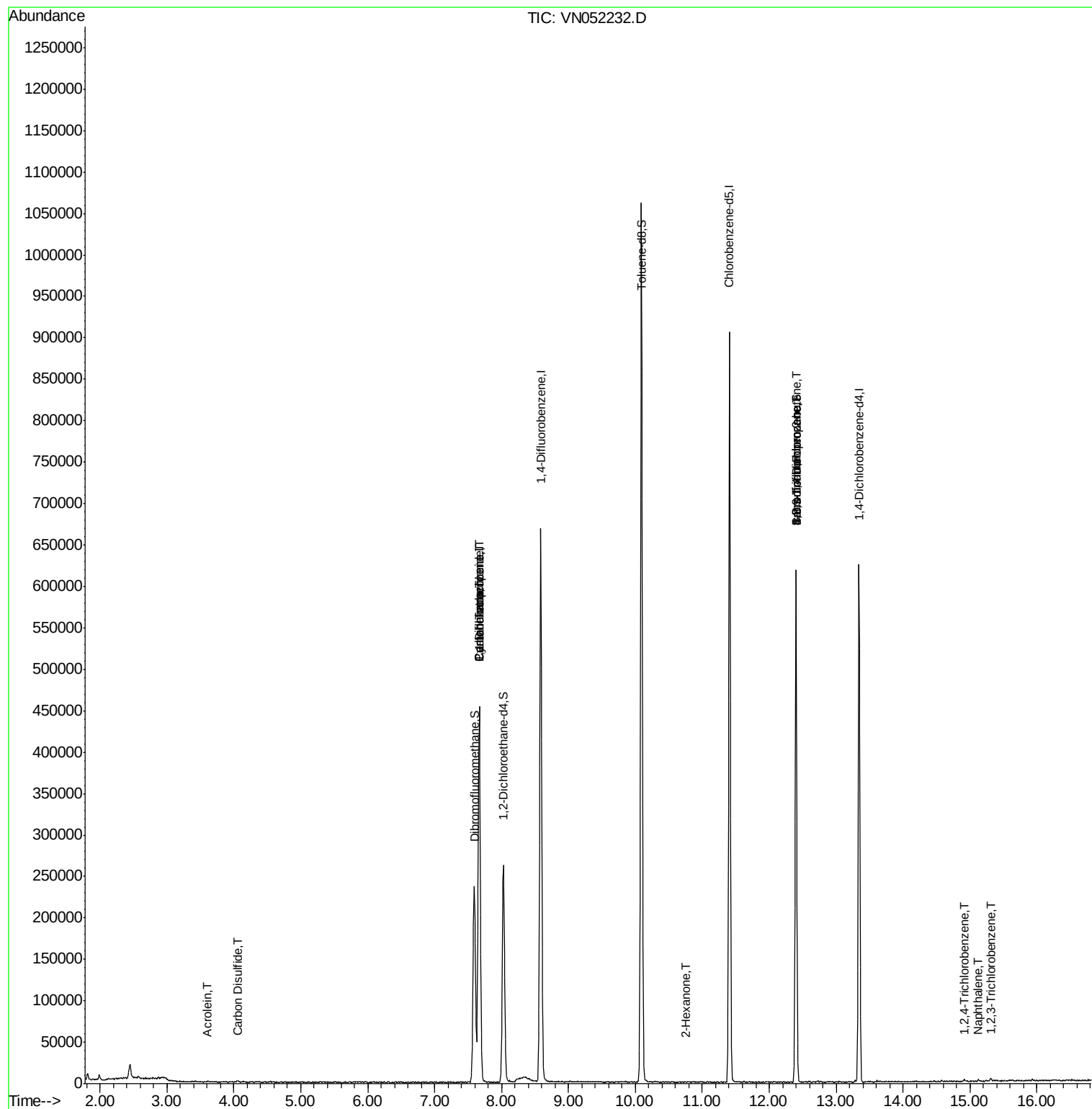
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	134	34.397	ug/l #	65
16) Acetone	3.81	43	224	Below Cal	#	46
17) Carbon Disulfide	4.05	76	2498	0.231	ug/l #	81
31) Cyclohexane	7.66	56	9518	0.579	ug/l #	24
36) 1,1-Dichloropropene	7.67	75	30492	5.199	ug/l #	51
38) Carbon Tetrachloride	7.66	117	36954	6.953	ug/l #	17
59) 2-Hexanone	10.75	43	734	0.246	ug/l #	29
71) Bromoform	12.39	173	679	0.330	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	108740	39.012	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	108740	133.165	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.91	180	533	0.263	ug/l	77
95) Naphthalene	15.12	128	1533	0.307	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.31	180	893	0.466	ug/l	95

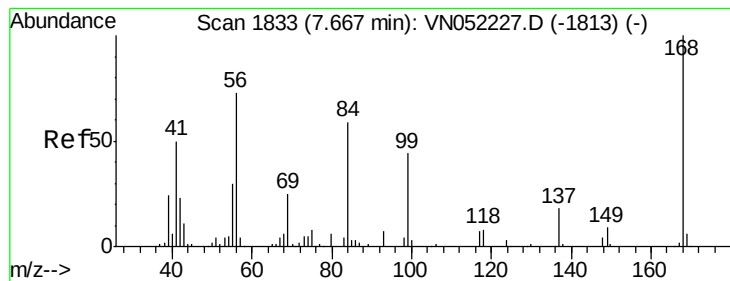
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052232.D

Acq: 9 Nov 2018 17:35

Instrument :

MSVOA_N

ClientSampleId :

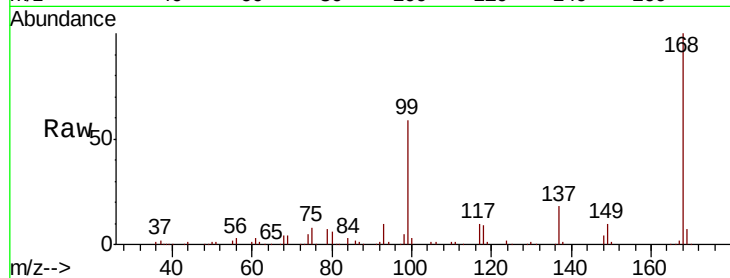
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 357175

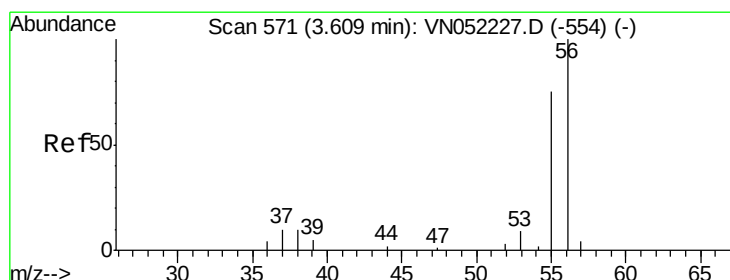
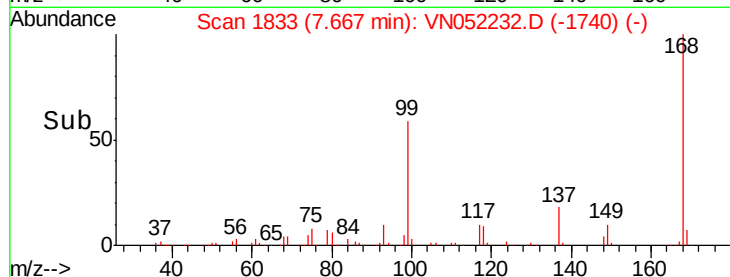
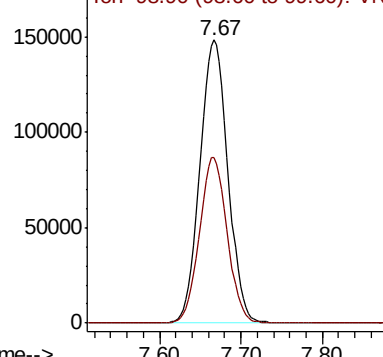
Ion Ratio Lower Upper

168 100

99 58.6 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN052232.D (-1740) (-)



#13

Acrolein

Concen: 34.397 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN052232.D

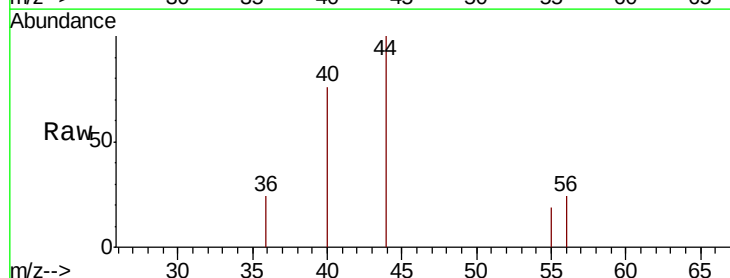
Acq: 9 Nov 2018 17:35

Tgt Ion: 56 Resp: 134

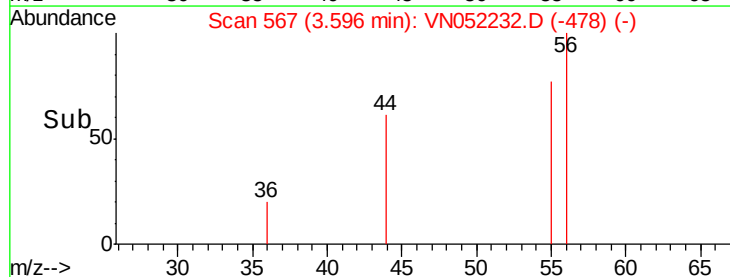
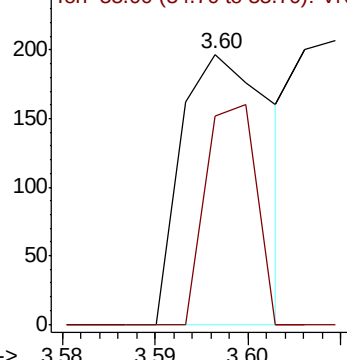
Ion Ratio Lower Upper

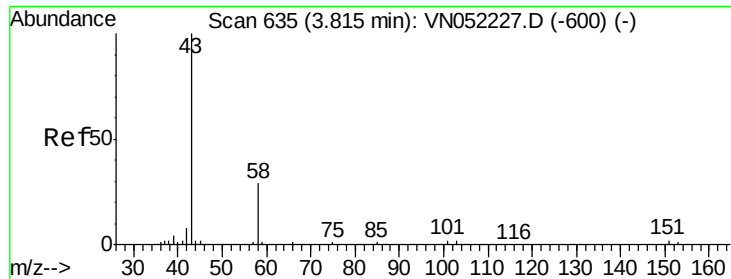
56 100

55 44.8 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN052232.D (-478) (-)

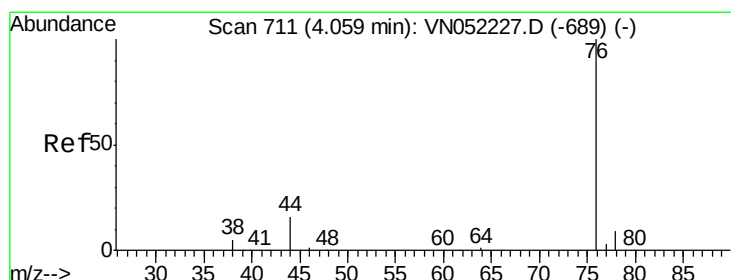
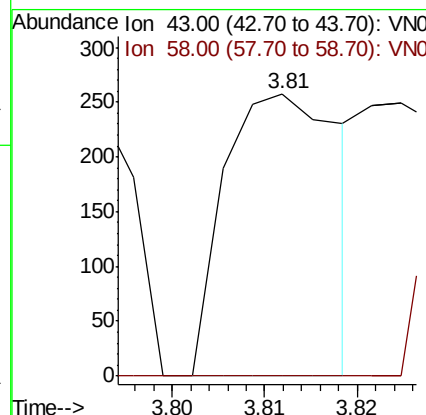
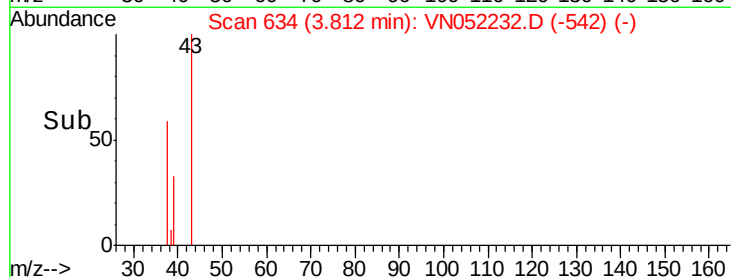
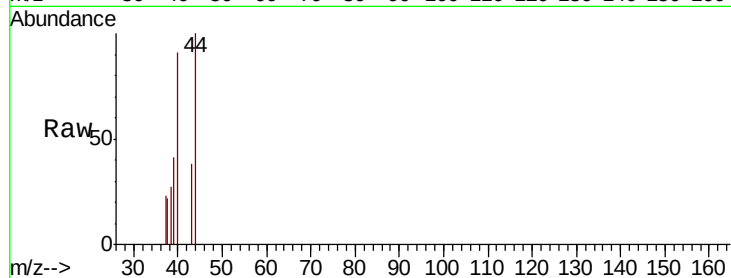




#16
Acetone
Concen: Below Cal
RT: 3.81 min Scan# 634
Delta R.T. -0.00 min
Lab File: VN052232.D
Acq: 9 Nov 2018 17:35

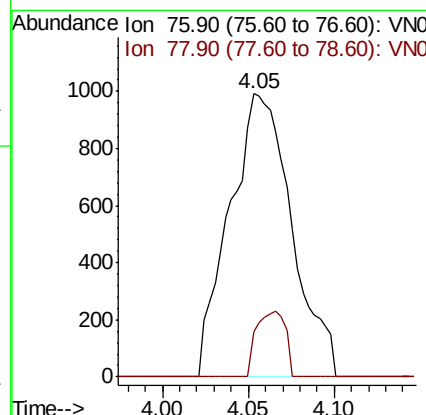
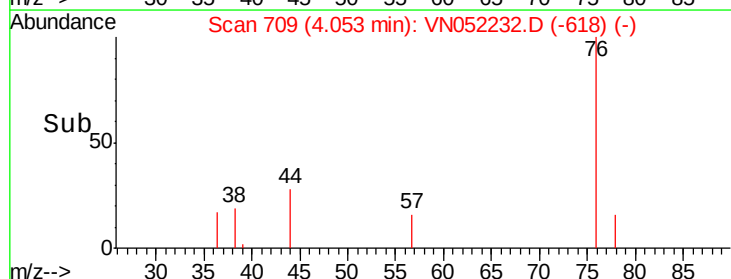
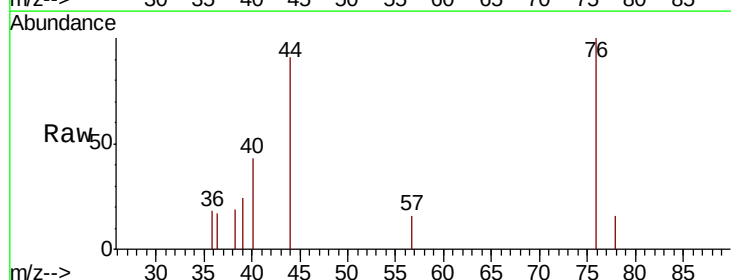
Instrument :
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STORAGE-BLANK-SOIL-REF-6

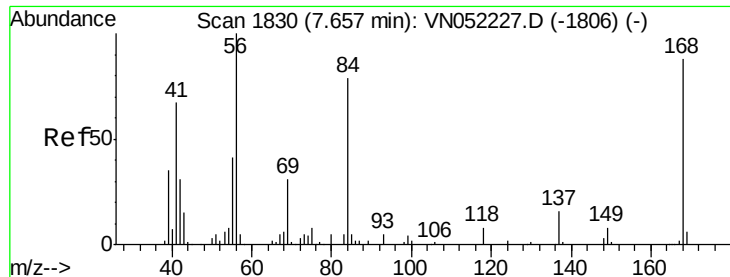
Tot Ion: 43 Resp: 224
Ion Ratio Lower Upper
43 100
58 0.0 23.0 34.6#



#17
Carbon Disulfide
Concen: 0.231 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.01 min
Lab File: VN052232.D
Acq: 9 Nov 2018 17:35

Tgt Ion: 76 Resp: 2498
Ion Ratio Lower Upper
76 100
78 15.9 7.3 10.9#

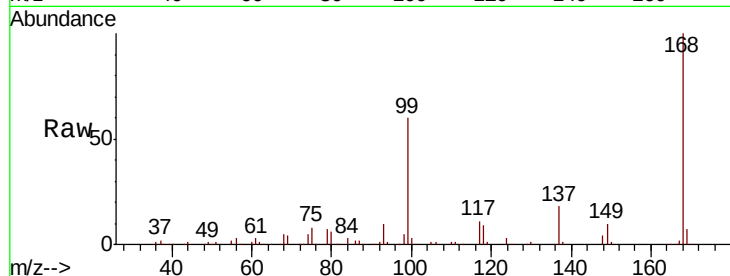




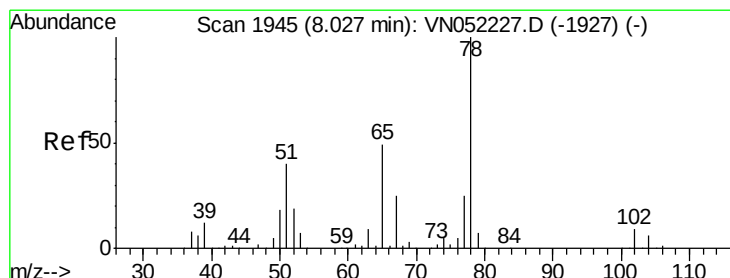
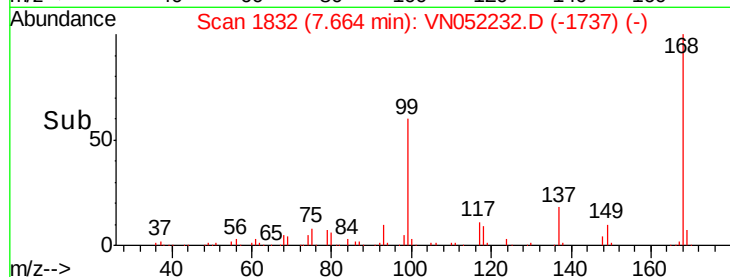
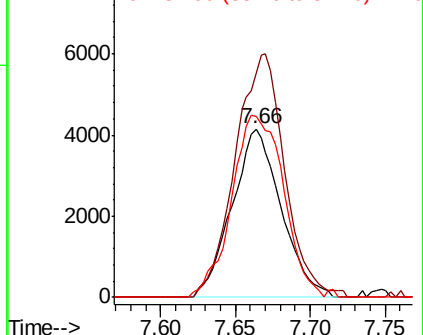
#31
Cyclohexane
Concen: 0.579 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052232.D
Acq: 9 Nov 2018 17:35

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

Tot Ion: 56 Resp: 9518
Ion Ratio Lower Upper
56 100
69 133.6 24.8 37.2#
84 107.1 63.1 94.7#

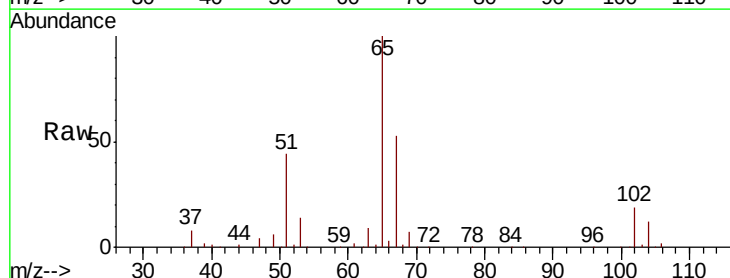


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

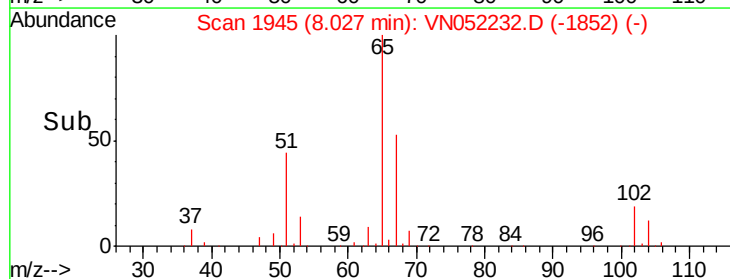
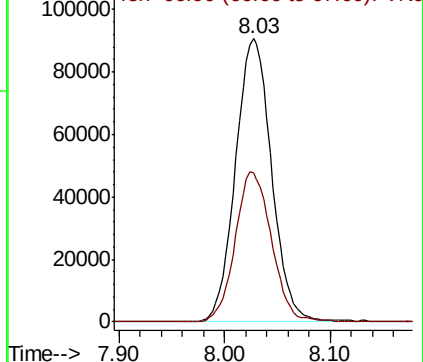


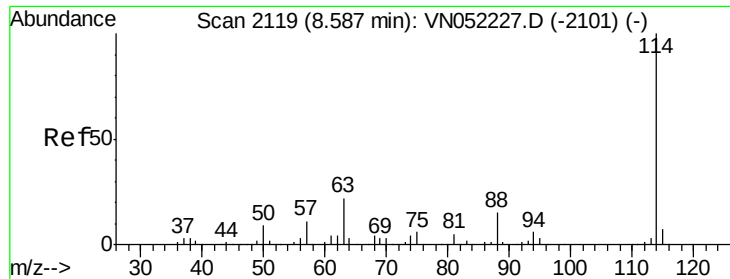
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052232.D
Acq: 9 Nov 2018 17:35

Tgt Ion: 65 Resp: 215274
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

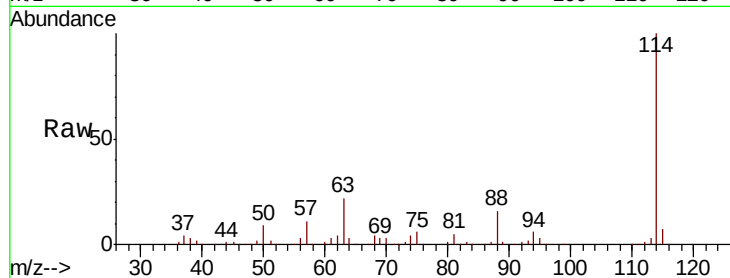




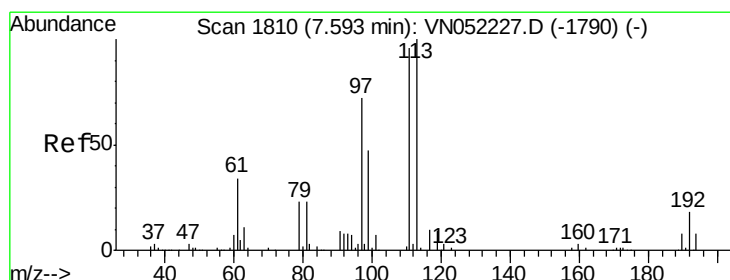
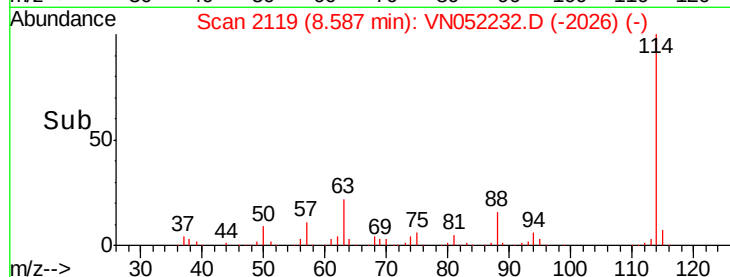
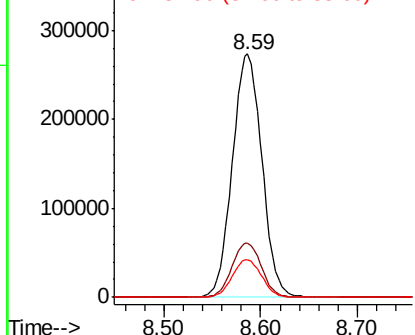
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052232.D
Acq: 9 Nov 2018 17:35

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

Tot Ion:114 Resp: 581023
Ion Ratio Lower Upper
114 100
63 22.3 0.0 43.4
88 15.5 0.0 30.2

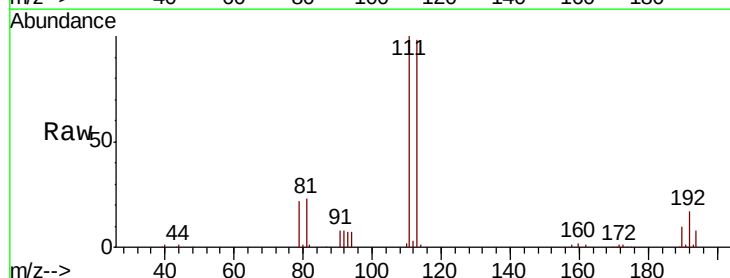


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

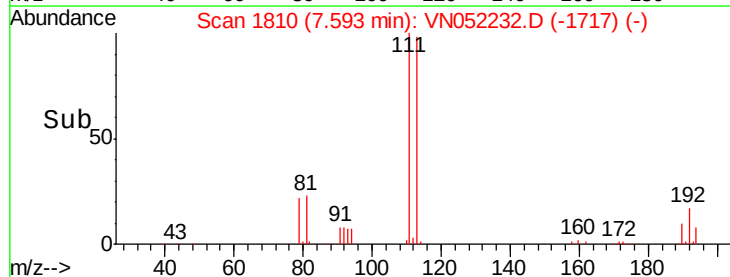
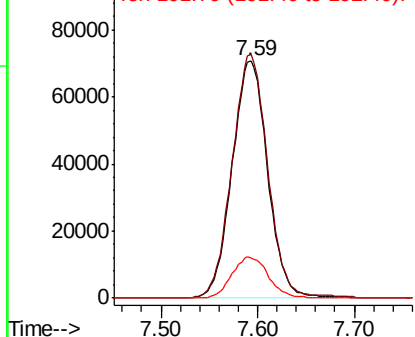


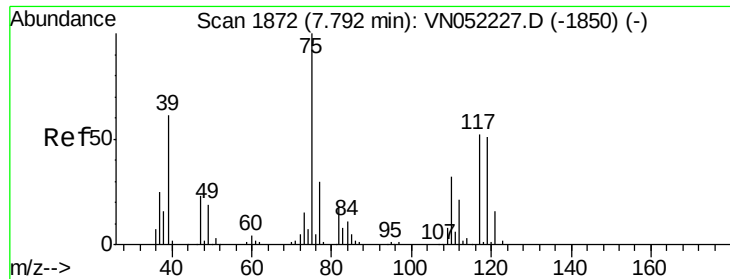
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052232.D
Acq: 9 Nov 2018 17:35

Tgt Ion:113 Resp: 180219
Ion Ratio Lower Upper
113 100
111 103.8 80.2 120.4
192 17.6 14.1 21.1



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

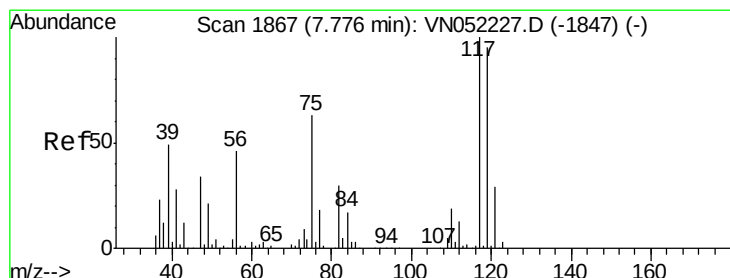
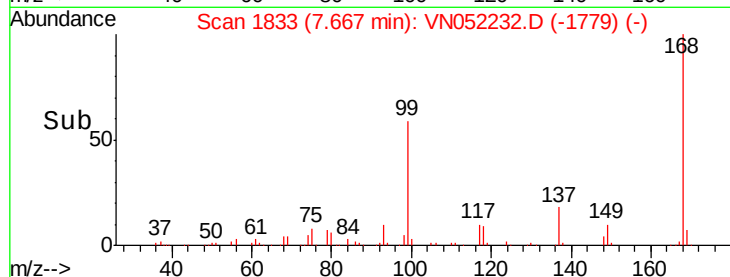
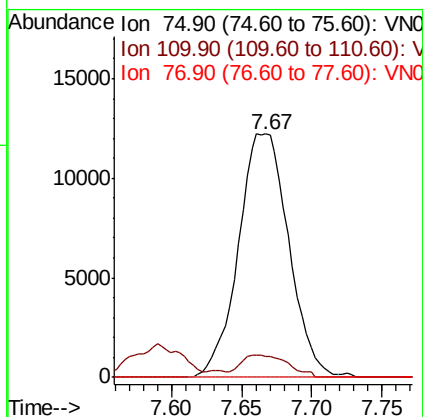
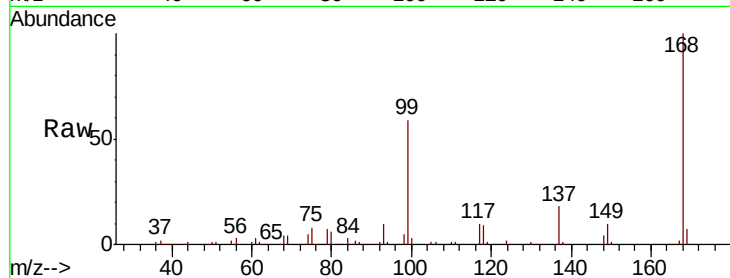




#36
 1,1-Dichloropropene
 Concen: 5.199 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052232.D
 Acq: 9 Nov 2018 17:35

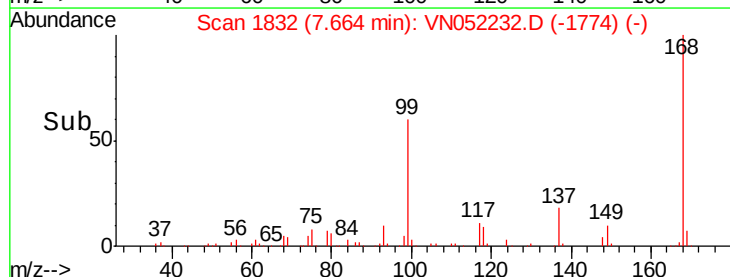
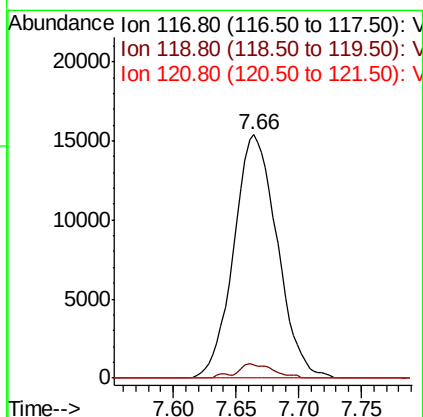
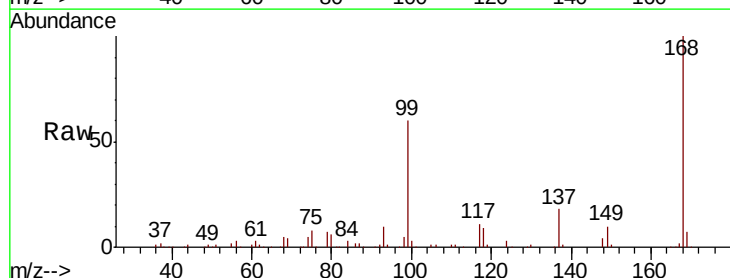
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

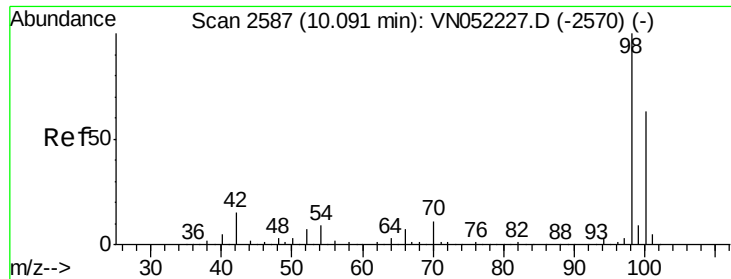
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.4	49.4#
77	0.0	23.9	35.9#



#38
 Carbon Tetrachloride
 Concen: 6.953 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN052232.D
 Acq: 9 Nov 2018 17:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.8	113.8#
121	0.0	23.4	35.2#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052232.D

Acq: 9 Nov 2018 17:35

Instrument :

MSVOA_N

ClientSampleId :

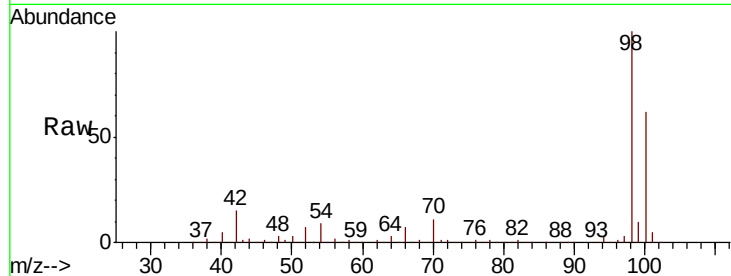
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 98 Resp: 711720

Ion Ratio Lower Upper

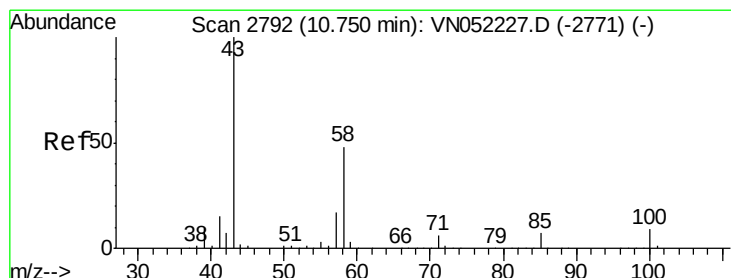
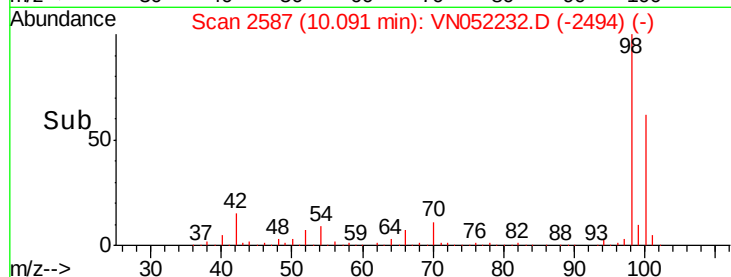
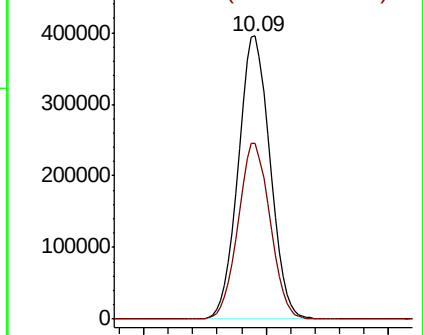
98 100

100 62.5 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#59

2-Hexanone

Concen: 0.246 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN052232.D

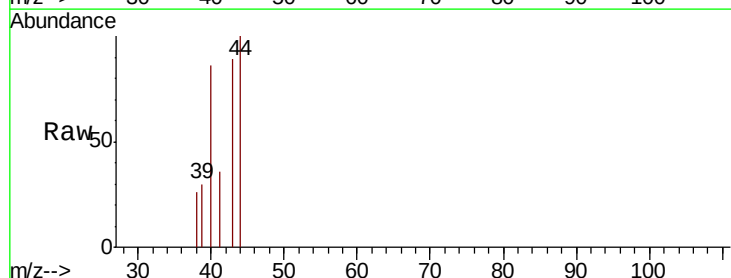
Acq: 9 Nov 2018 17:35

Tgt Ion: 43 Resp: 734

Ion Ratio Lower Upper

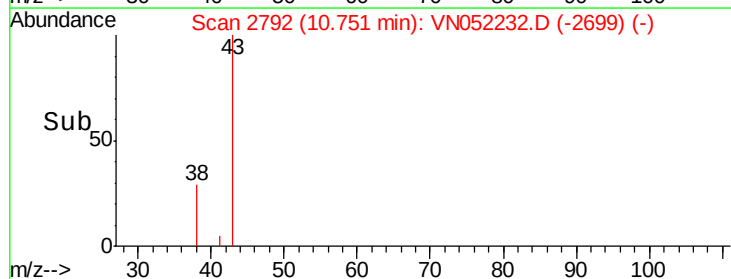
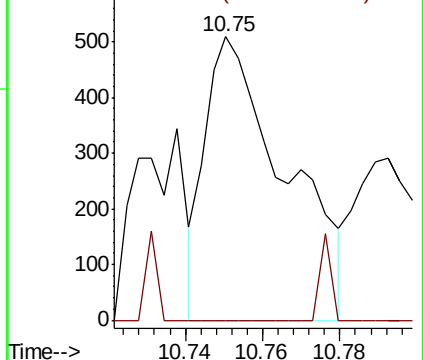
43 100

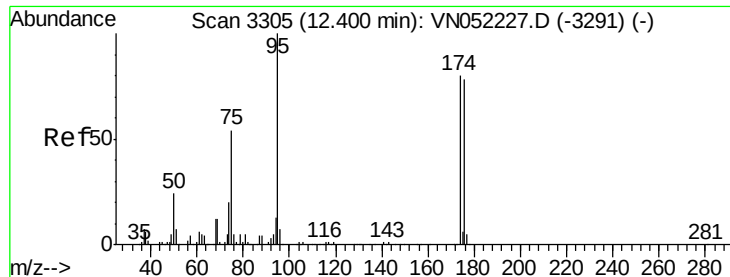
58 0.0 24.1 72.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052232.D

Acq: 9 Nov 2018 17:35

Instrument :

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ClientSampleId :

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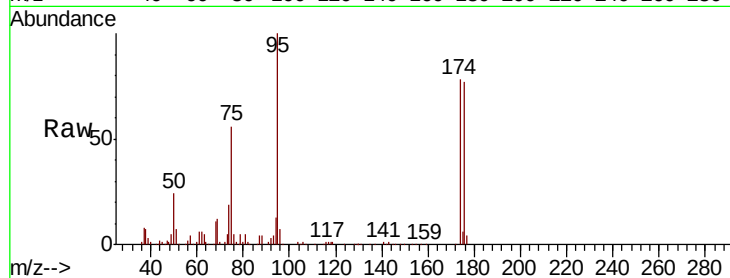
Tot Ion: 95 Resp: 199174

Ion Ratio Lower Upper

95 100

174 78.0 0.0 159.4

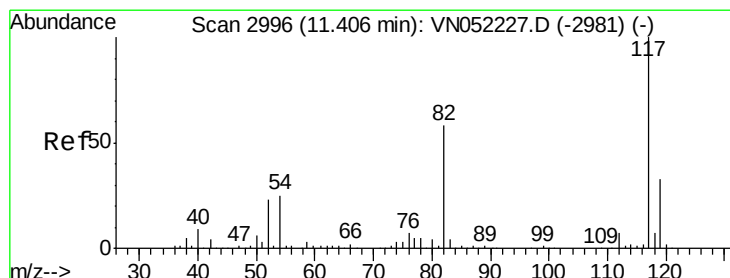
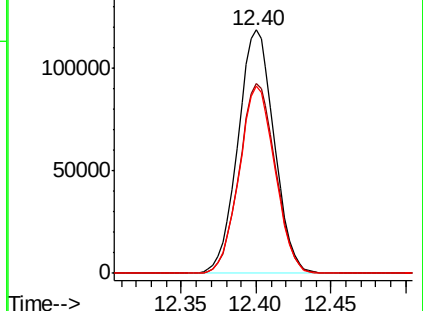
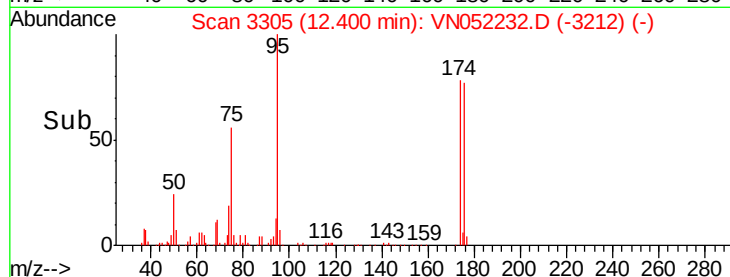
176 76.1 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN052232.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN052232.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN052232.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052232.D

Acq: 9 Nov 2018 17:35

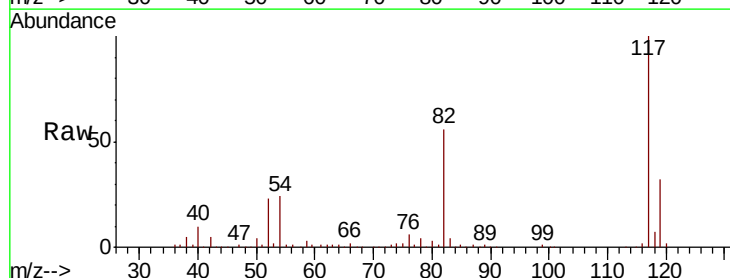
Tgt Ion: 117 Resp: 480850

Ion Ratio Lower Upper

117 100

82 55.9 46.2 69.2

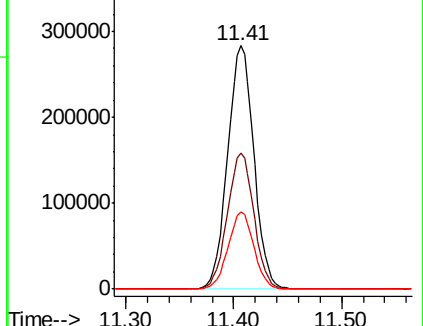
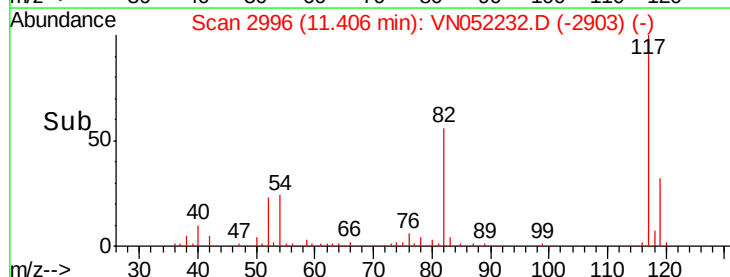
119 31.5 26.2 39.4

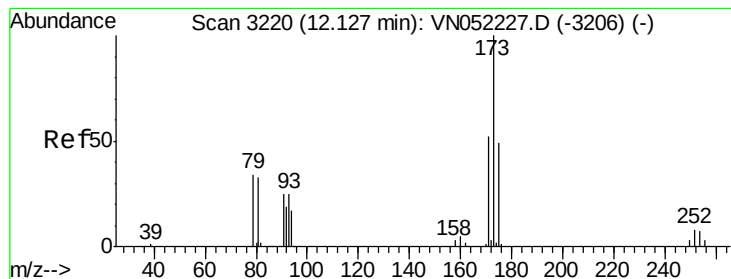


Abundance Ion 116.90 (116.60 to 117.60): VN052232.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052232.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052232.D (-2903) (-)





#71

Bromoform

Concen: 0.330 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN052232.D

Acq: 9 Nov 2018 17:35

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

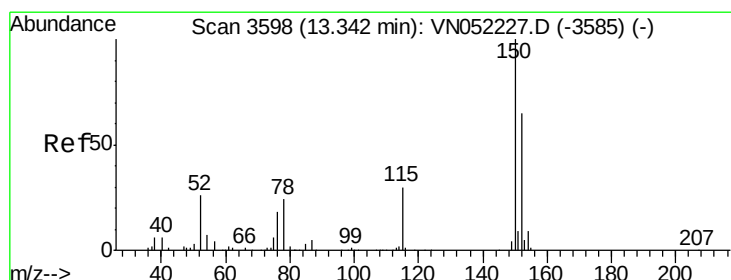
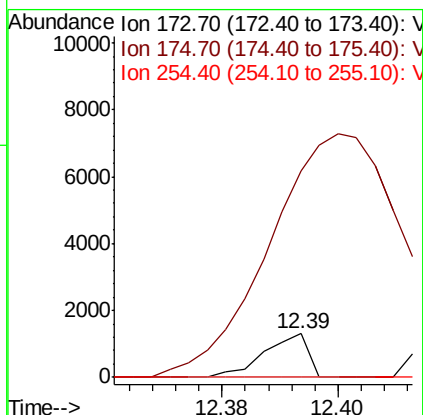
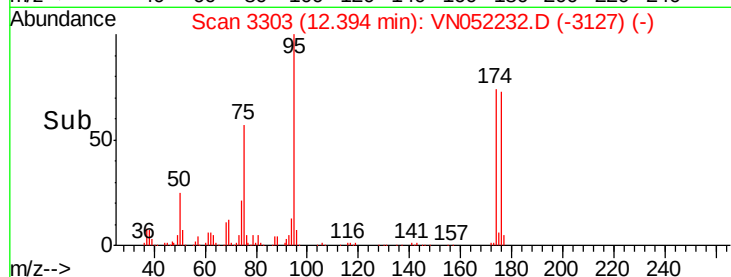
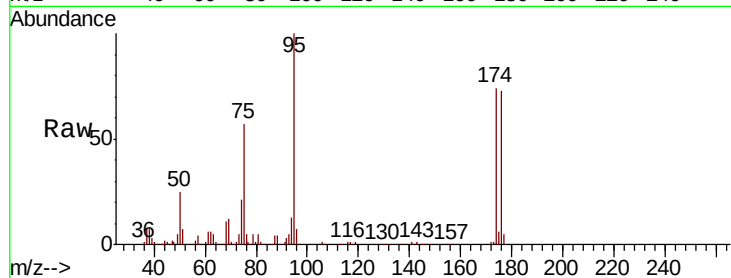
Tot Ion:173 Resp: 679

Ion Ratio Lower Upper

173 100

175 1596.3 24.5 73.5#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052232.D

Acq: 9 Nov 2018 17:35

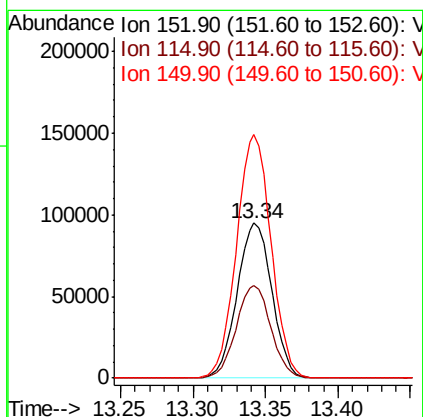
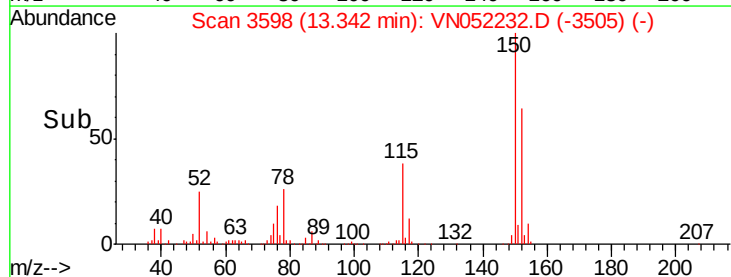
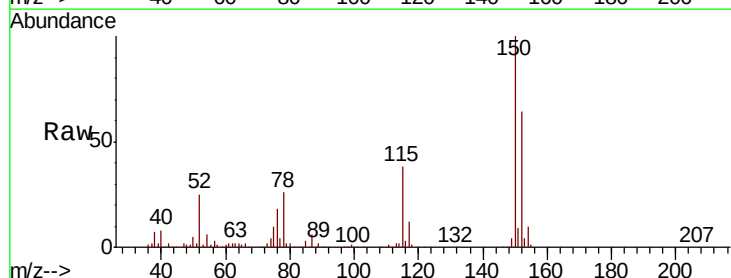
Tgt Ion:152 Resp: 157544

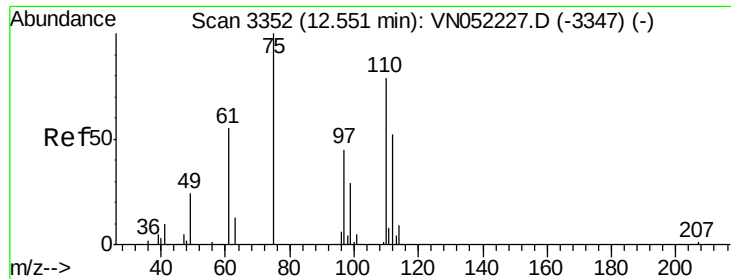
Ion Ratio Lower Upper

152 100

115 59.3 29.8 89.5

150 156.2 0.0 350.2

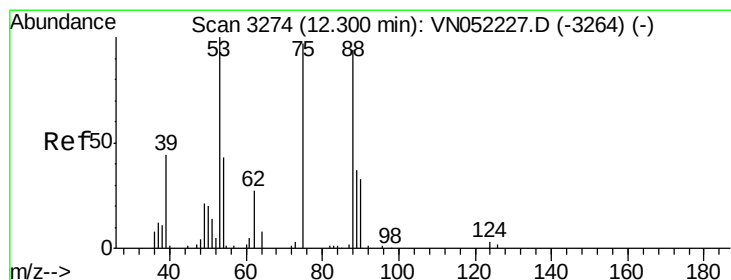
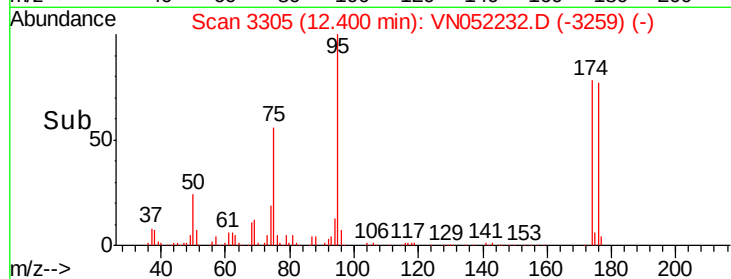
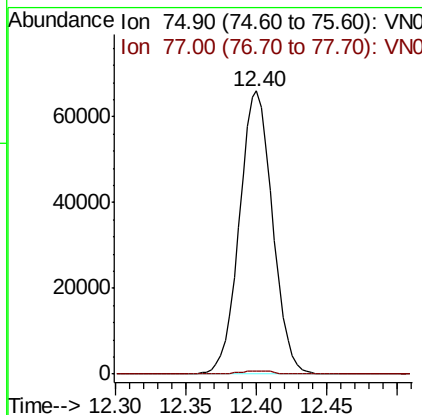
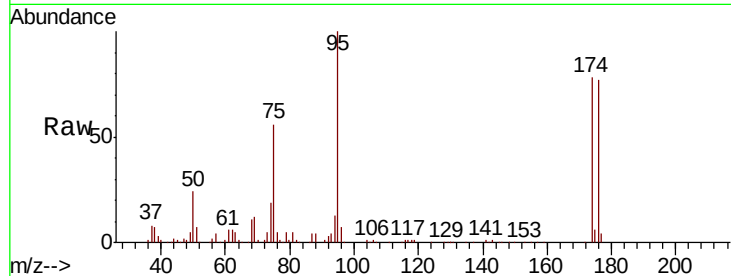




#76
 1,2,3-Trichloropropane
 Concen: 39.012 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052232.D
 Acq: 9 Nov 2018 17:35

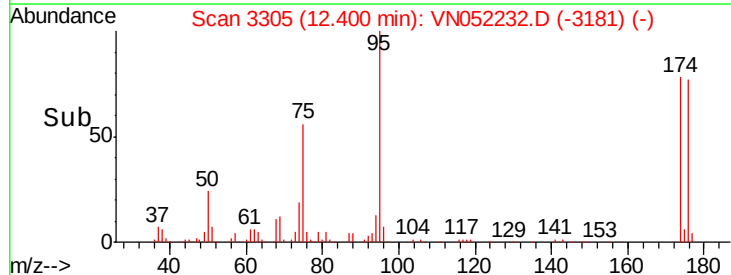
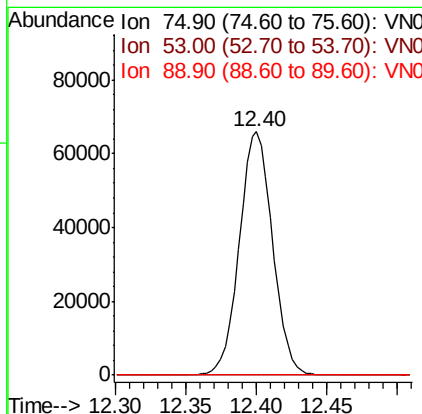
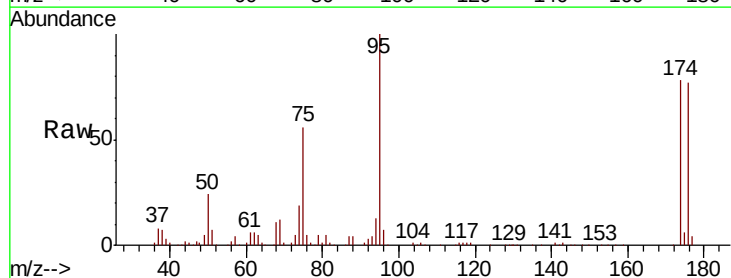
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

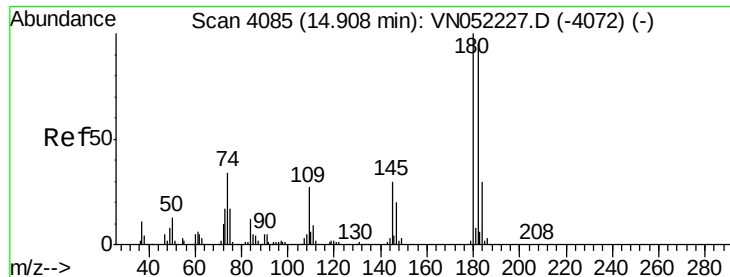
Tot Ion: 75 Resp: 108740
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.165 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052232.D
 Acq: 9 Nov 2018 17:35

Tgt Ion: 75 Resp: 108740
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.0 126.0#
 89 0.0 33.7 50.5#

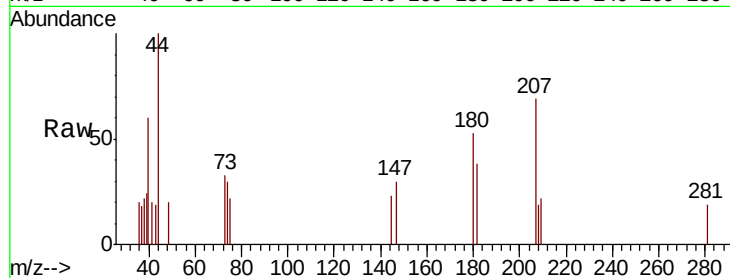




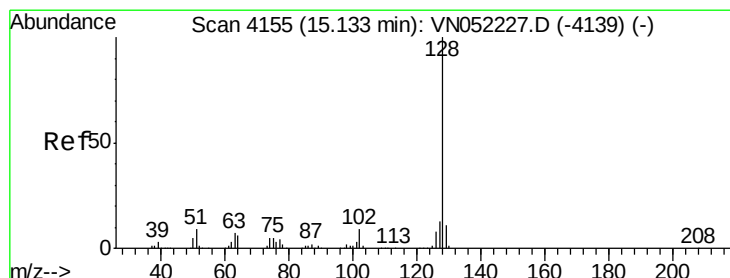
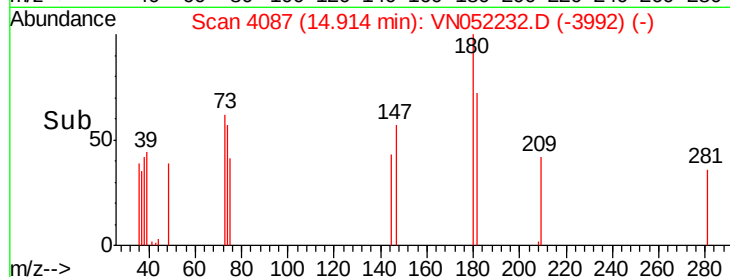
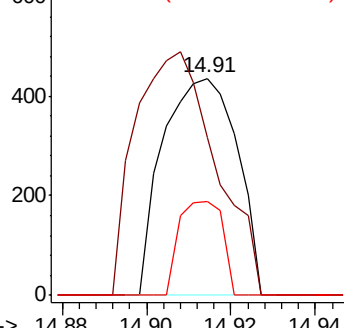
#93
 1,2,4-Trichlorobenzene
 Concen: 0.263 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN052232.D
 Acq: 9 Nov 2018 17:35

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

Tot Ion:180 Resp: 533
 Ion Ratio Lower Upper
 180 100
 182 121.6 47.3 142.0
 145 25.5 15.6 46.8

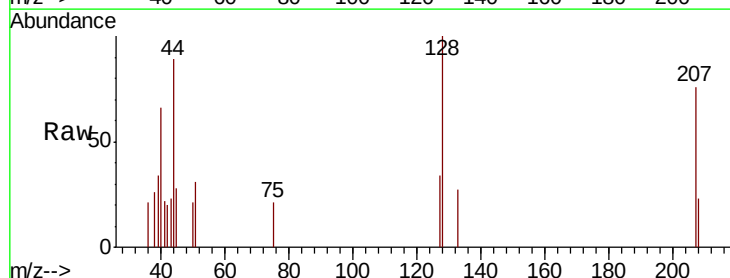


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

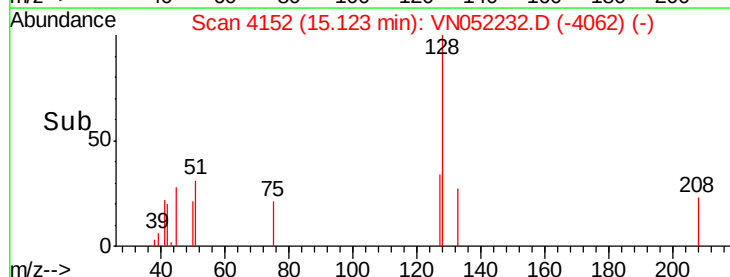
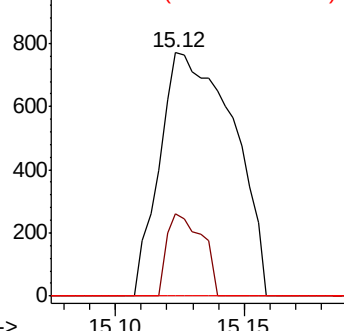


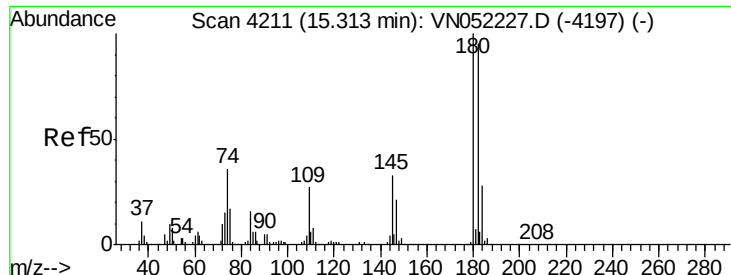
#95
 Naphthalene
 Concen: 0.307 ug/l
 RT: 15.12 min Scan# 4152
 Delta R.T. -0.01 min
 Lab File: VN052232.D
 Acq: 9 Nov 2018 17:35

Tgt Ion:128 Resp: 1533
 Ion Ratio Lower Upper
 128 100
 127 16.1 10.6 16.0#
 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: 0.466 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN052232.D
 Acq: 9 Nov 2018 17:35

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

Tot Ion:180 Resp: 893
 Ion Ratio Lower Upper
 180 100
 182 99.8 47.7 143.1
 145 38.1 16.8 50.3

