

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061043.D
 Acq On : 17 Apr 2020 12:21
 Operator : JC/MD
 Sample : L2231-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Apr 20 01:30:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	153698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	259426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	237073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	95955	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	101293	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
35) Dibromofluoromethane	7.56	113	78282	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
50) Toluene-d8	10.08	98	321640	56.18	ug/l	0.00
Spiked Amount			Recovery	=	112.36%	
62) 4-Bromofluorobenzene	12.39	95	113379	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	

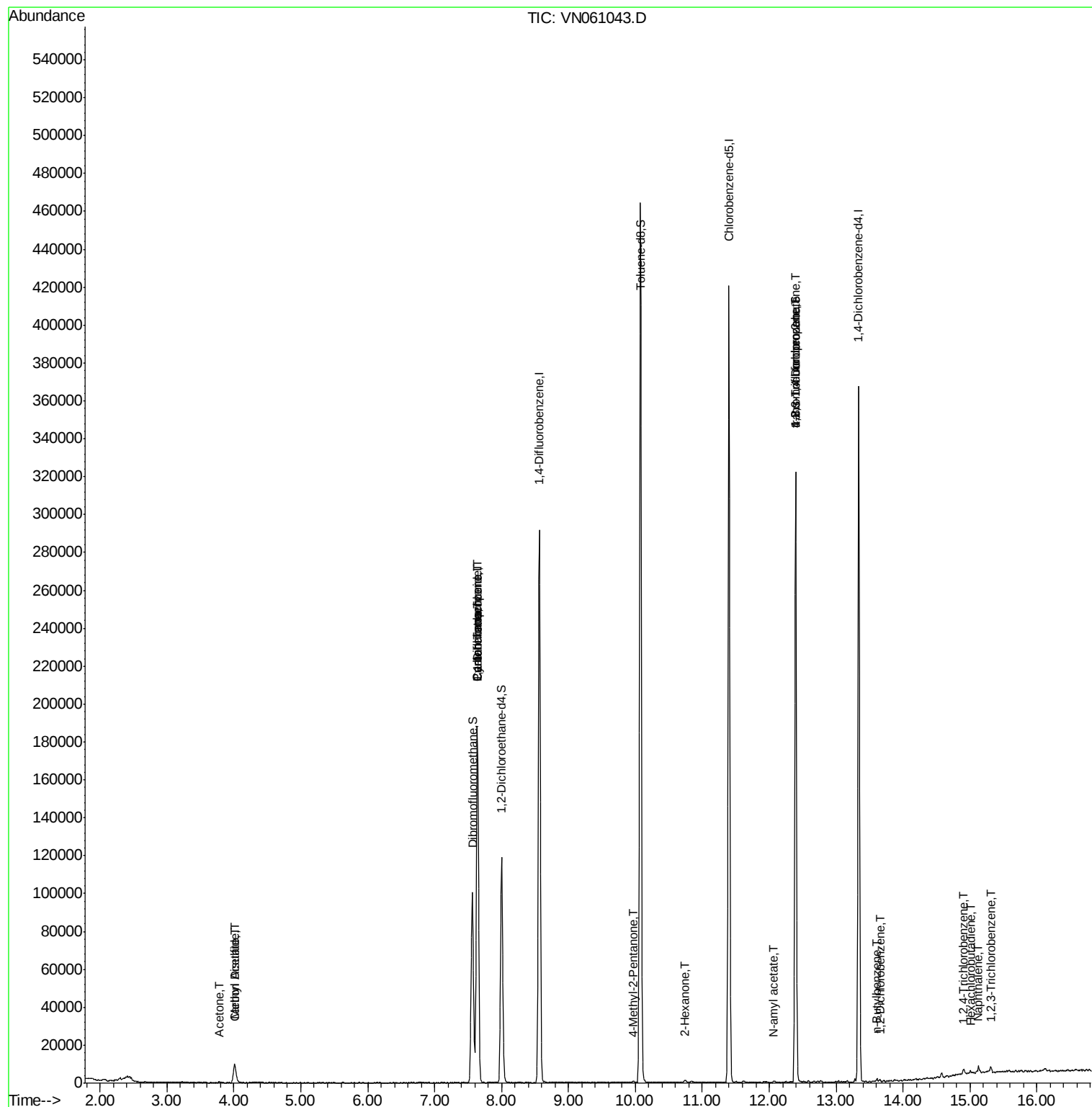
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	641	0.741	ug/l #	44
17) Carbon Disulfide	4.03	76	1058	0.201	ug/l #	74
18) Methyl Acetate	4.01	43	3223	1.187	ug/l #	54
31) Cyclohexane	7.64	56	3296	0.900	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12495	4.667	ug/l #	49
38) Carbon Tetrachloride	7.64	117	15066	6.761	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	723	0.265	ug/l #	37
59) 2-Hexanone	10.74	43	1155	0.588	ug/l	66
74) N-amyl acetate	12.06	43	1106	0.309	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	57964	27.463	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	57964	67.740	ug/l #	12
89) n-Butylbenzene	13.61	91	1270	0.212	ug/l #	87
91) 1,2-Dichlorobenzene	13.64	146	743	0.243	ug/l #	62
93) 1,2,4-Trichlorobenzene	14.90	180	1035	0.573	ug/l	95
94) Hexachlorobutadiene	15.00	225	371	0.399	ug/l	66
95) Naphthalene	15.13	128	3937	0.747	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.31	180	1230	0.706	ug/l	96

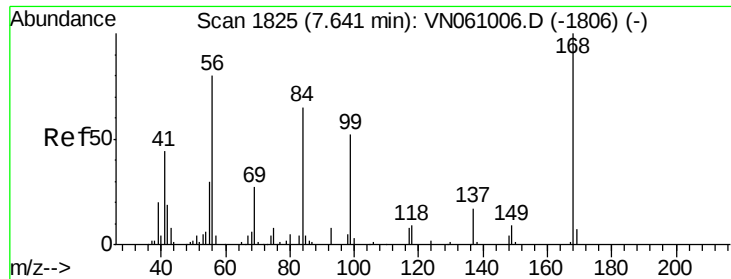
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061043.D

Acq: 17 Apr 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

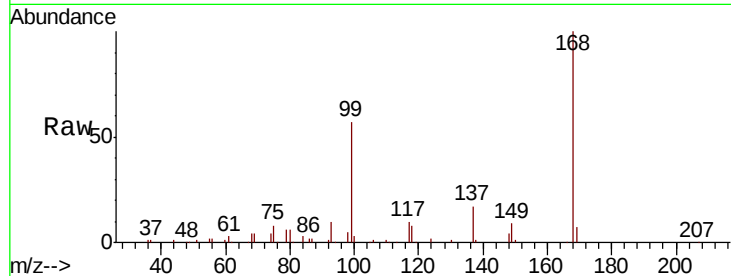
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 153698

Ion Ratio Lower Upper

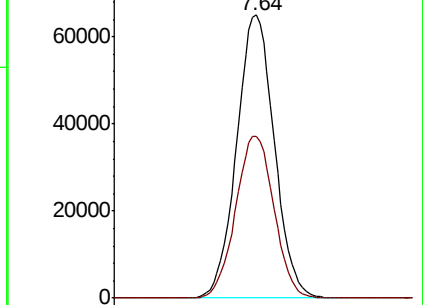
168 100

99 57.3 47.4 71.2

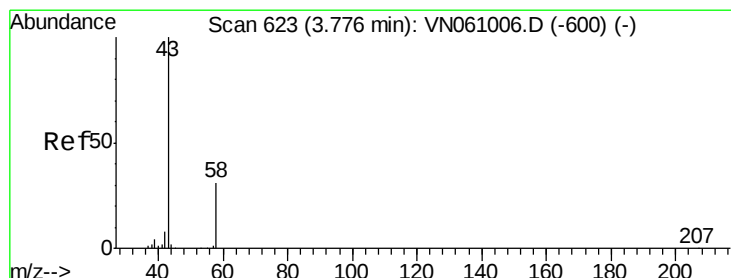
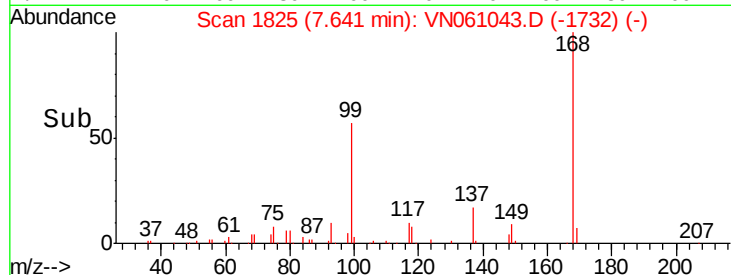


Abundance Ion 167.90 (167.60 to 168.60): VN061006.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN061006.D (-1806) (-)



Time-->



#16

Acetone

Concen: 0.741 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN061043.D

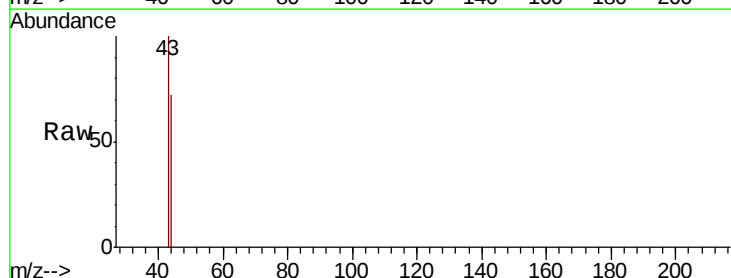
Acq: 17 Apr 2020 12:21

Tgt Ion: 43 Resp: 641

Ion Ratio Lower Upper

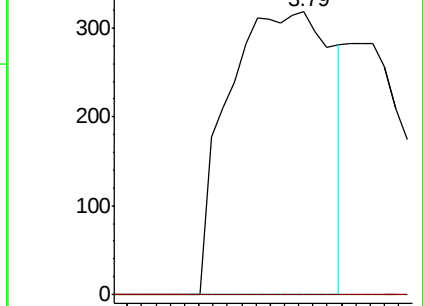
43 100

58 0.0 24.6 37.0#

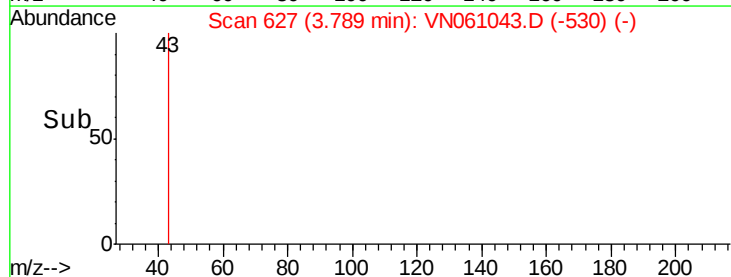


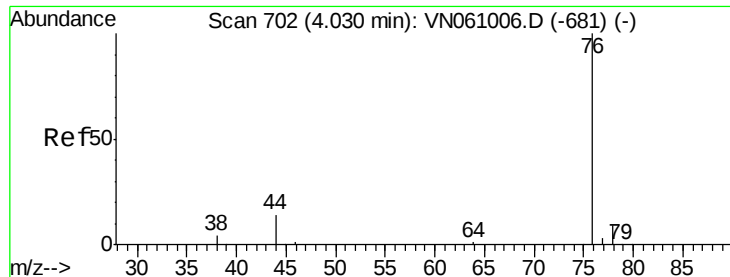
Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-600) (-)



Time-->

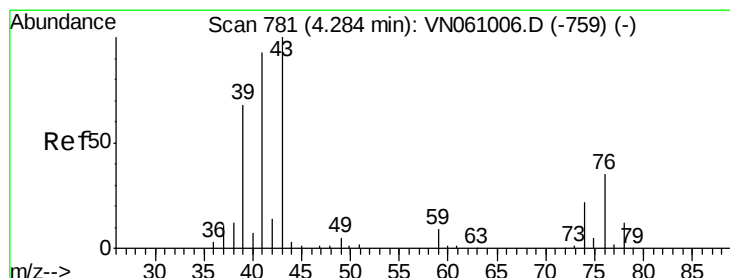
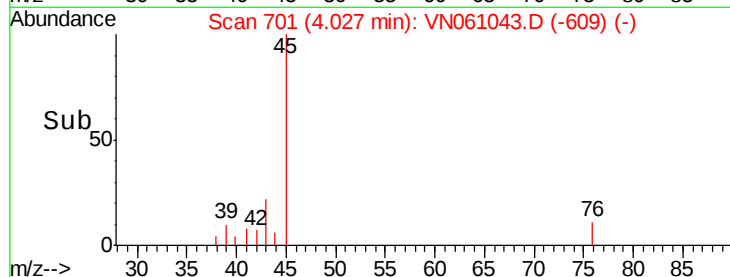
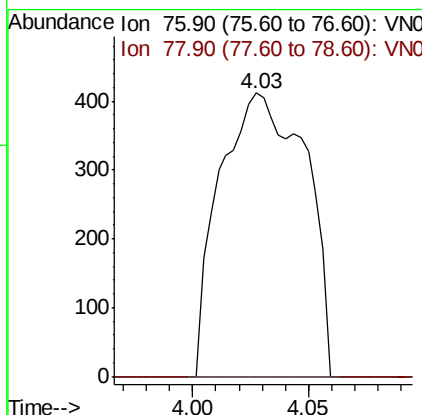
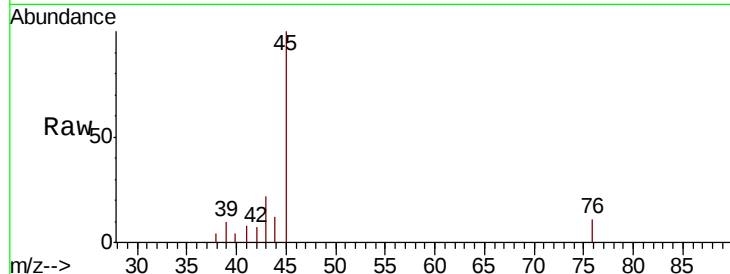




#17
Carbon Disulfide
Concen: 0.201 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN061043.D
Acq: 17 Apr 2020 12:21

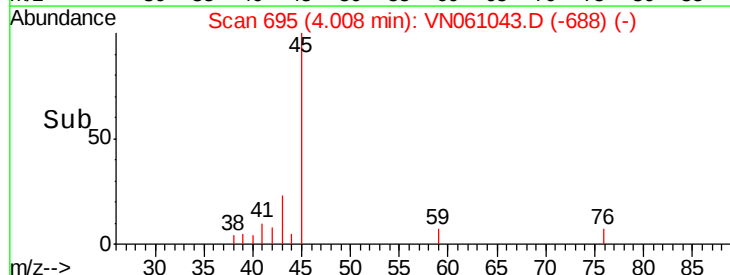
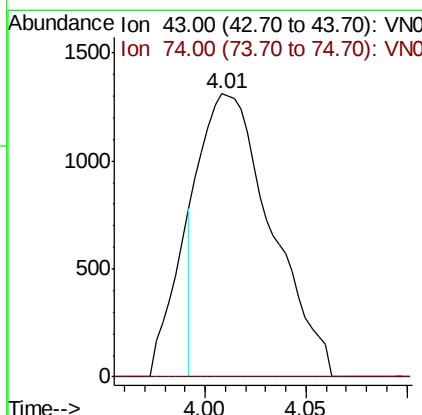
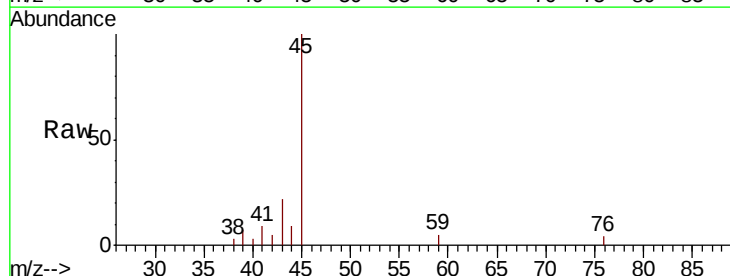
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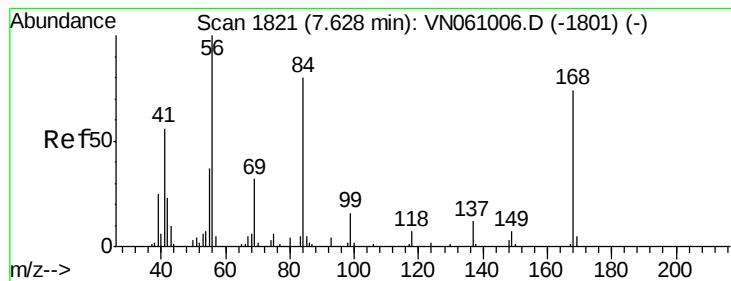
Tot Ion: 76 Resp: 1058
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methyl Acetate
Concen: 1.187 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.28 min
Lab File: VN061043.D
Acq: 17 Apr 2020 12:21

Tgt Ion: 43 Resp: 3223
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#





#31

Cyclohexane

Concen: 0.900 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN061043.D

Acq: 17 Apr 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

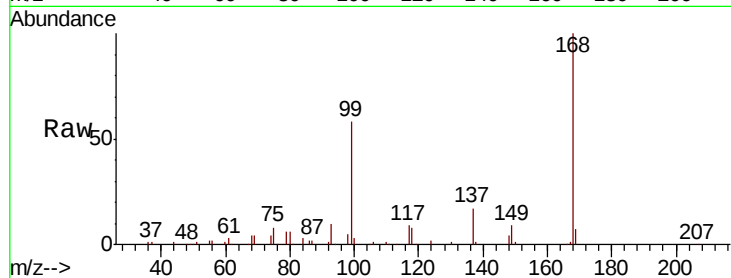
Tot Ion: 56 Resp: 3296

Ion Ratio Lower Upper

56 100

69 188.5 25.6 38.4#

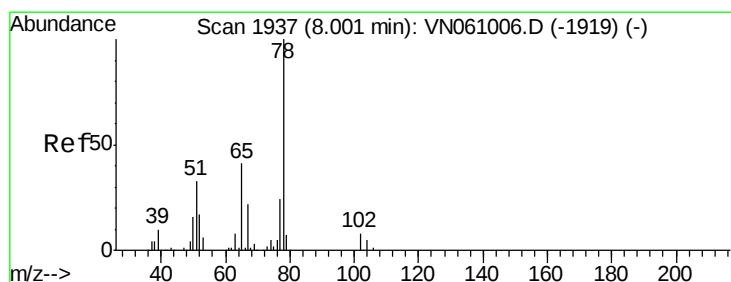
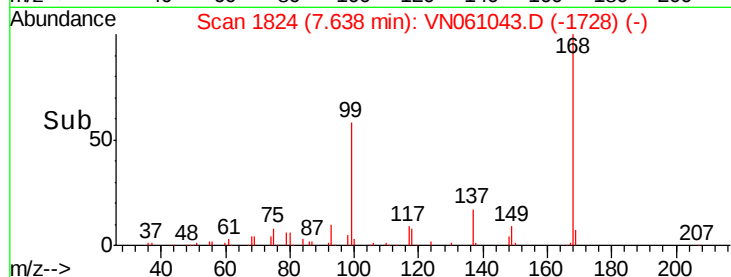
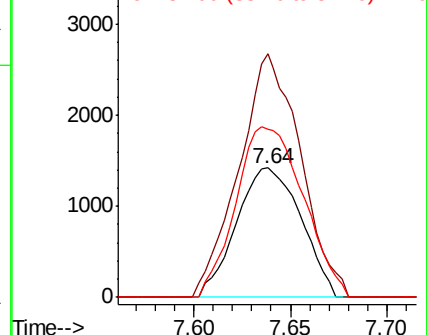
84 130.5 63.4 95.2#



Abundance Ion 56.00 (55.70 to 56.70): VN061006.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN061006.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN061006.D (-1801) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.510 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061043.D

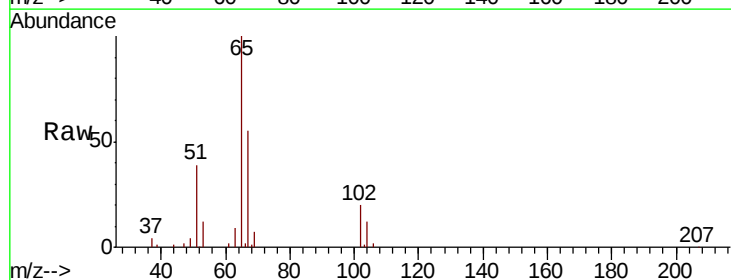
Acq: 17 Apr 2020 12:21

Tgt Ion: 65 Resp: 101293

Ion Ratio Lower Upper

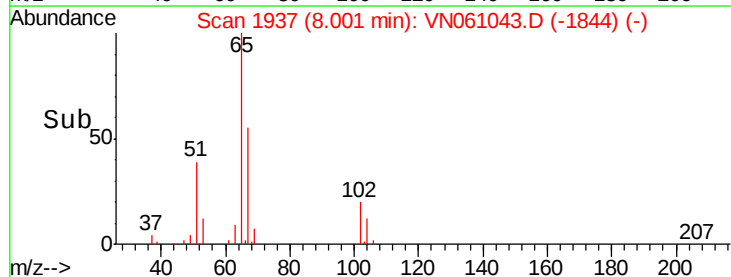
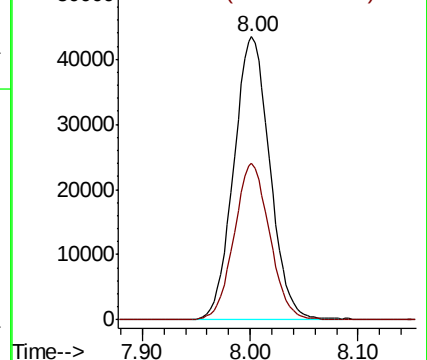
65 100

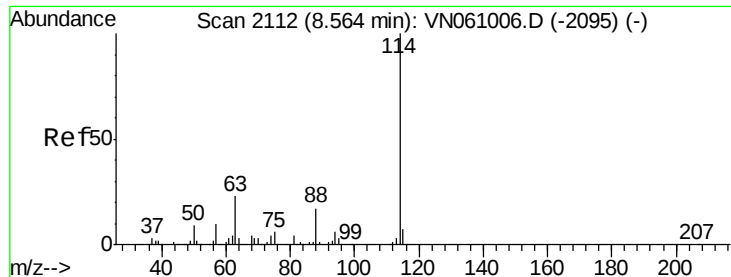
67 54.4 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VN061006.D (-1919) (-)

Ion 66.90 (66.60 to 67.60): VN061006.D (-1919) (-)

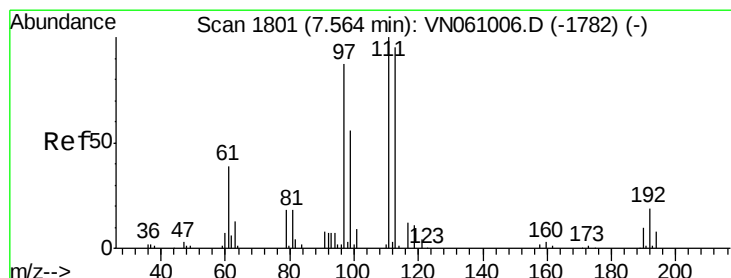
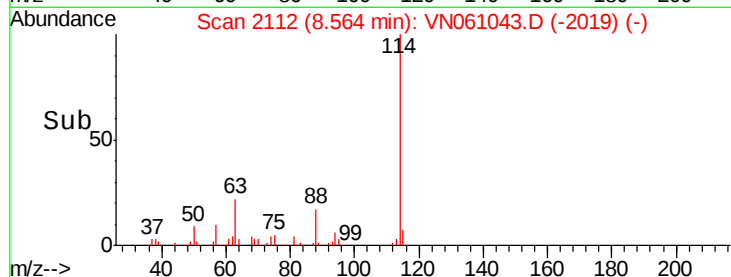
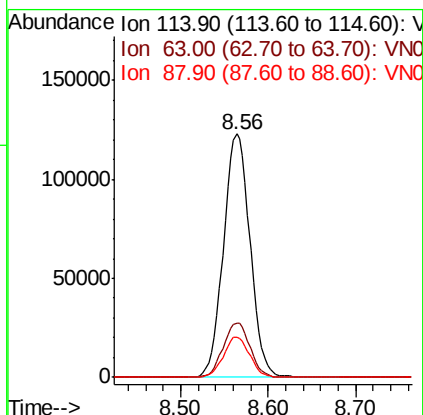
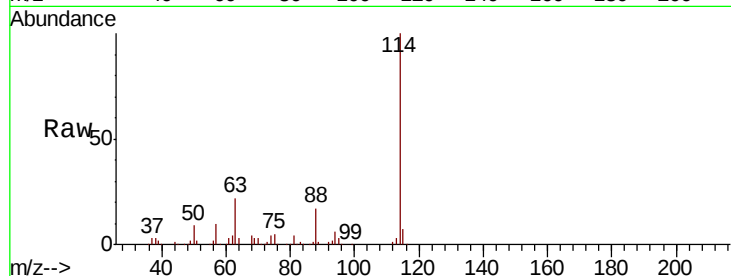




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061043.D
 Acq: 17 Apr 2020 12:21

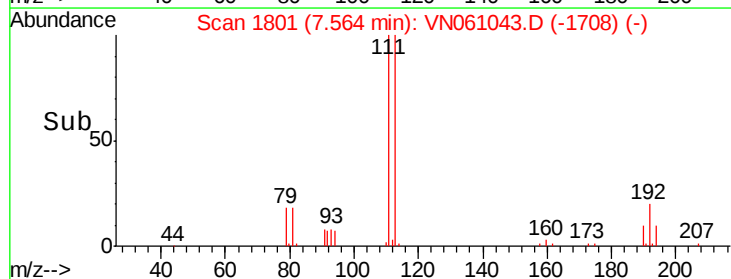
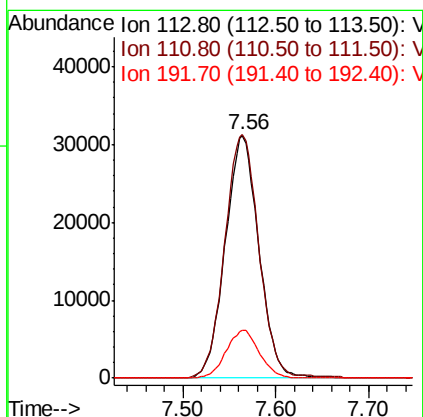
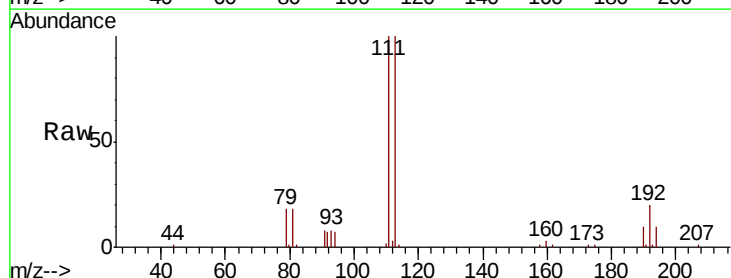
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 STORAGE-BLANK-SOIL-REF-6

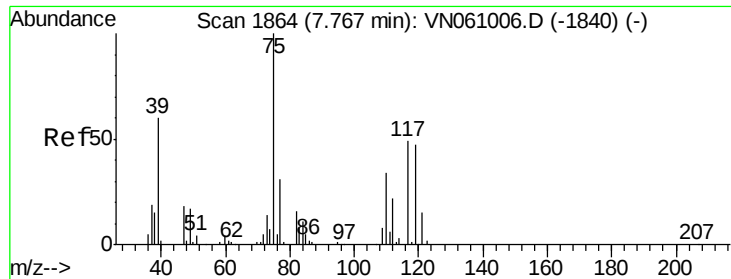
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	46.2
88	16.5	0.0	33.4



#35
 Dibromofluoromethane
 Concen: 51.671 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061043.D
 Acq: 17 Apr 2020 12:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.4	125.2
192	19.4	15.5	23.3

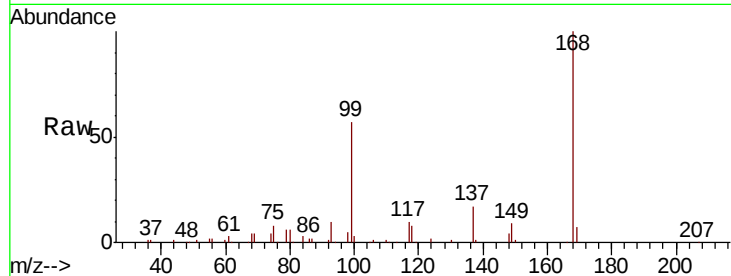




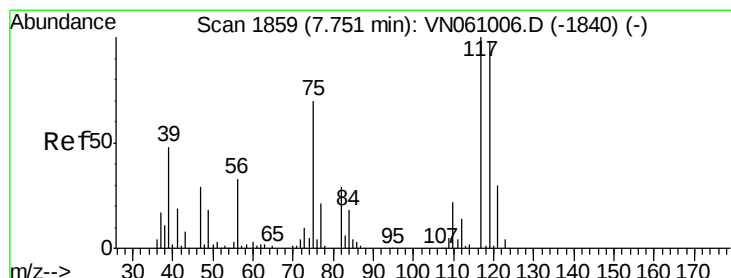
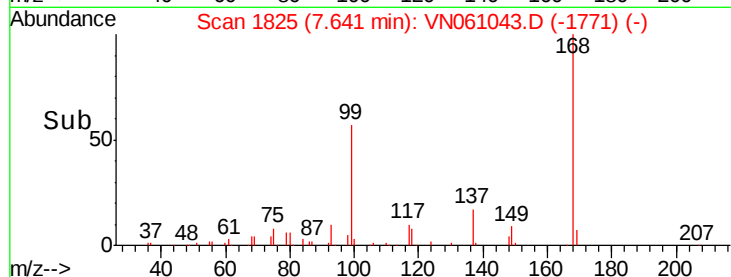
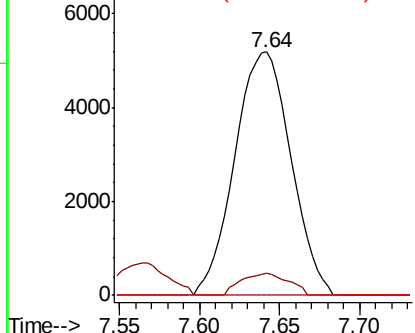
#36
 1,1-Dichloropropene
 Concen: 4.667 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN061043.D
 Acq: 17 Apr 2020 12:21

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

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.8	50.3#
77	0.0	24.7	37.1#

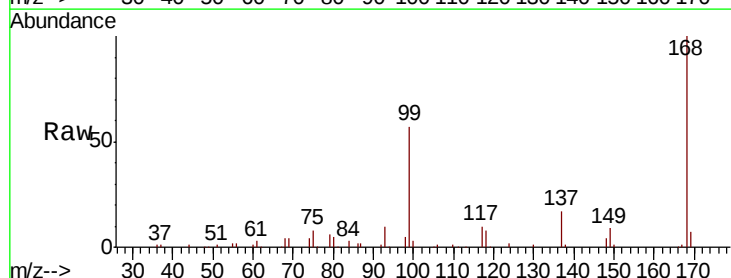


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

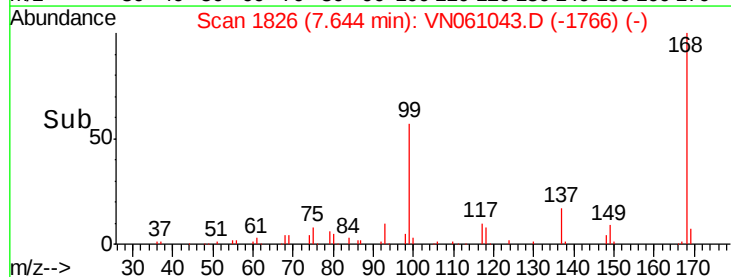
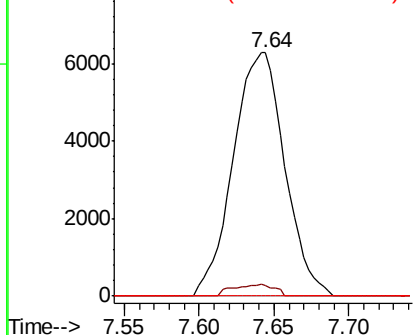


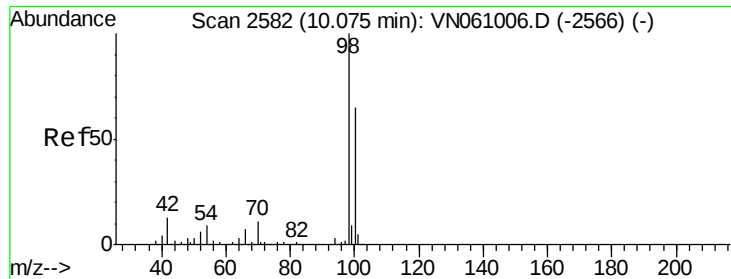
#38
 Carbon Tetrachloride
 Concen: 6.761 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN061043.D
 Acq: 17 Apr 2020 12:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	78.1	117.1#
121	0.0	24.0	36.0#



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





#50

Toluene-d8

Concen: 56.182 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061043.D

Acq: 17 Apr 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

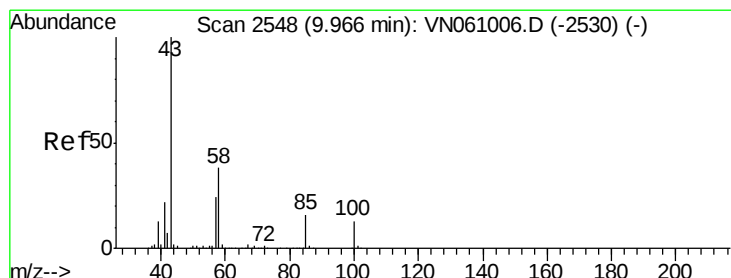
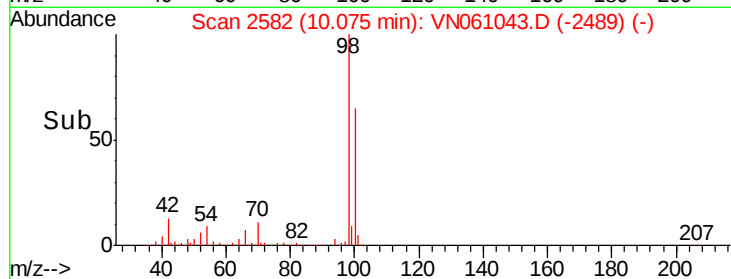
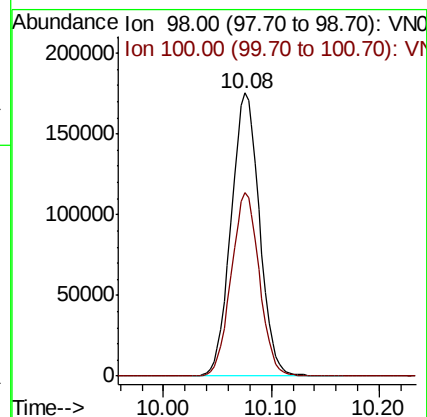
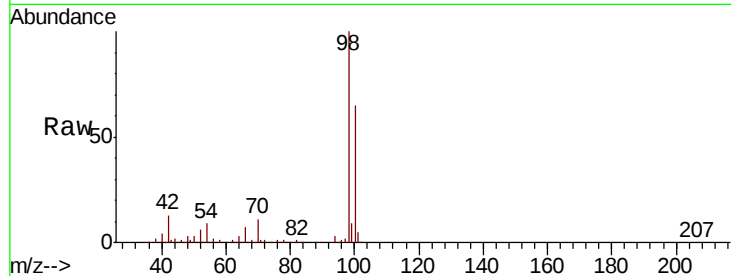
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 98 Resp: 321640

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.265 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN061043.D

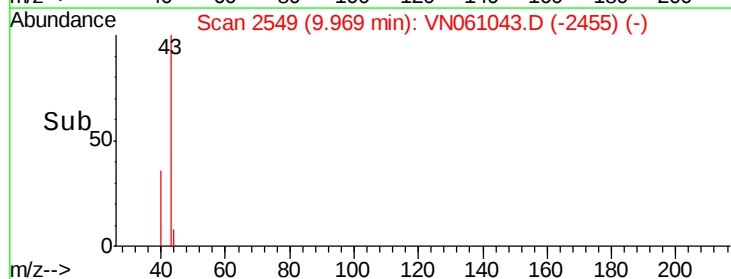
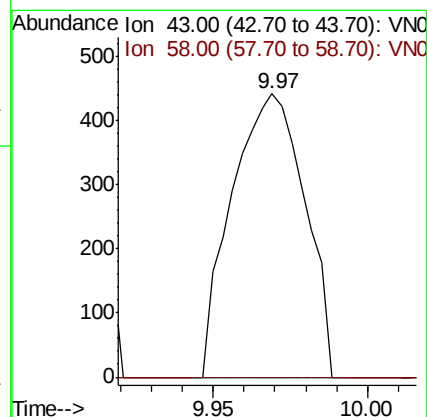
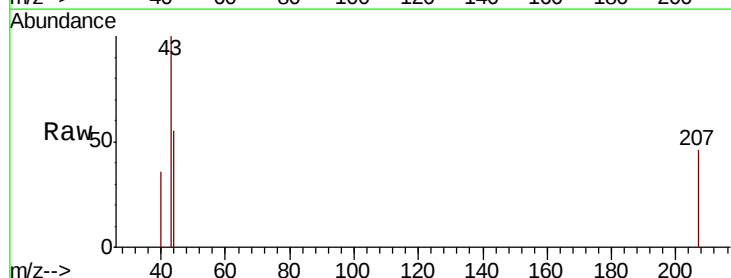
Acq: 17 Apr 2020 12:21

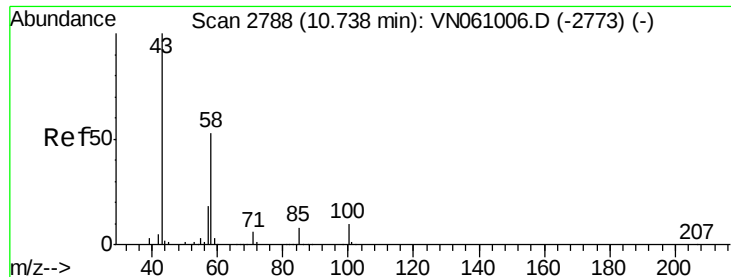
Tgt Ion: 43 Resp: 723

Ion Ratio Lower Upper

43 100

58 0.0 30.3 45.5#

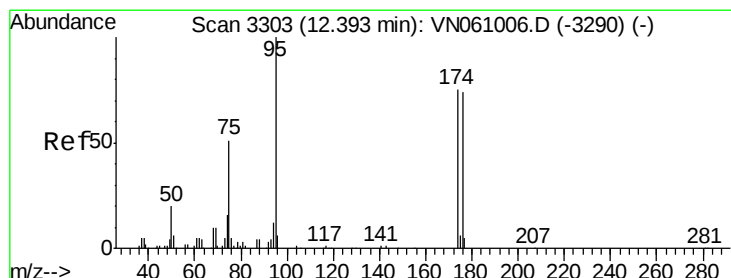
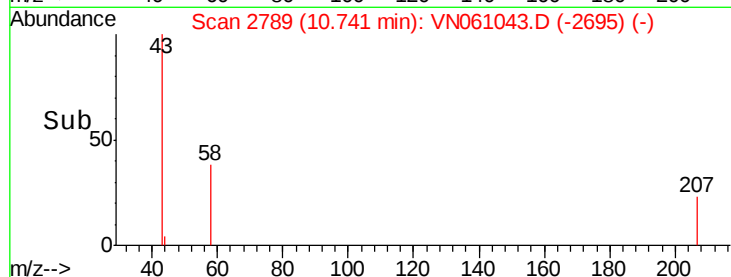
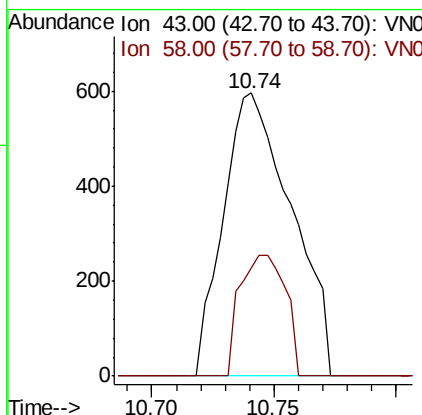
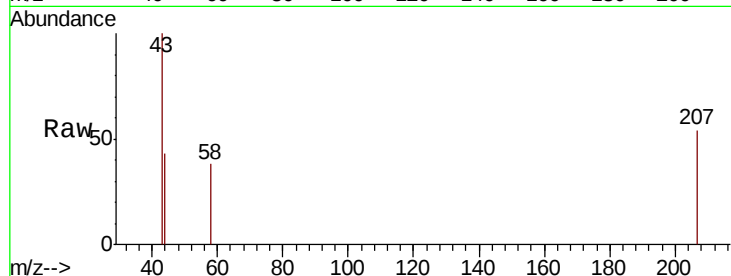




#59
2-Hexanone
Concen: 0.588 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN061043.D
Acq: 17 Apr 2020 12:21

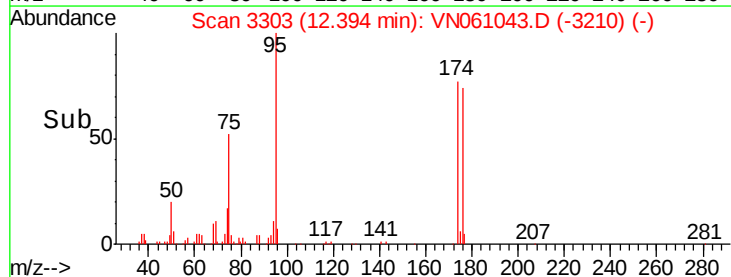
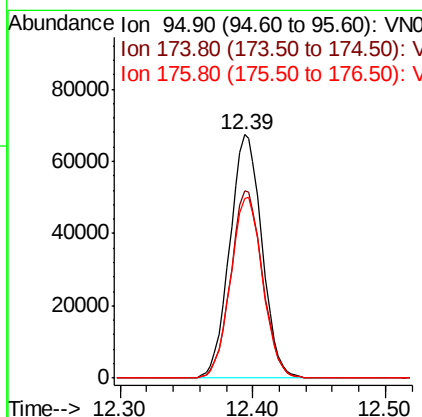
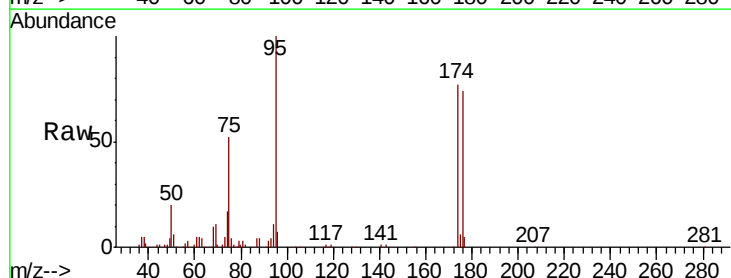
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

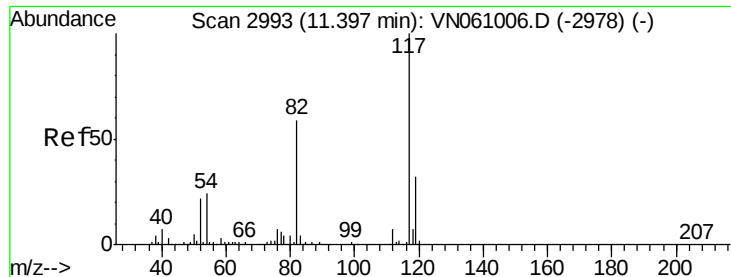
Tot Ion: 43 Resp: 1155
Ion Ratio Lower Upper
43 100
58 28.4 26.4 79.0



#62
4-Bromofluorobenzene
Concen: 50.531 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.00 min
Lab File: VN061043.D
Acq: 17 Apr 2020 12:21

Tgt Ion: 95 Resp: 113379
Ion Ratio Lower Upper
95 100
174 76.1 0.0 151.2
176 74.1 0.0 148.2

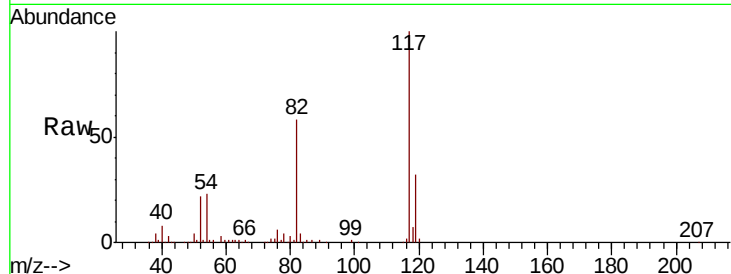




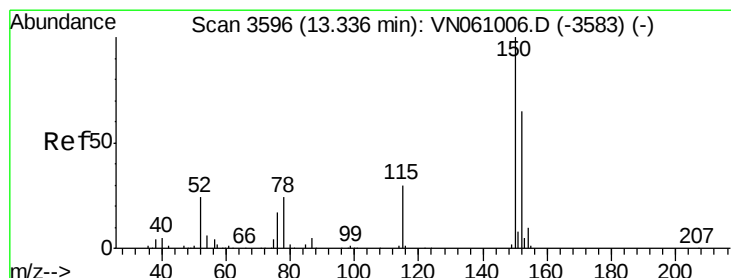
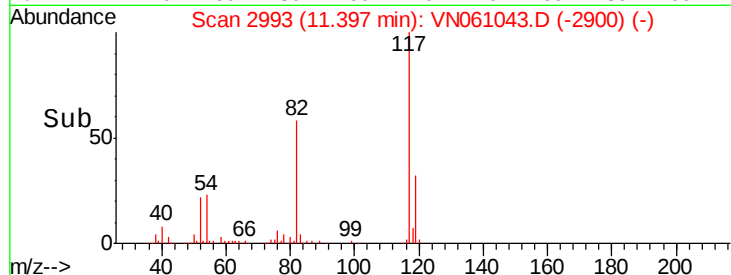
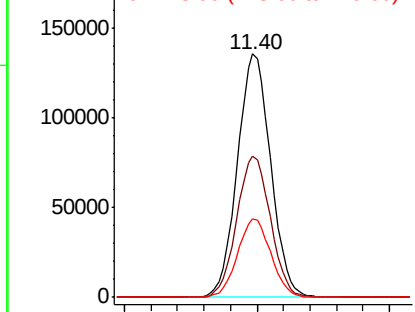
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061043.D
Acq: 17 Apr 2020 12:21

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

Tot Ion:117 Resp: 237073
Ion Ratio Lower Upper
117 100
82 57.8 47.1 70.7
119 32.1 25.7 38.5

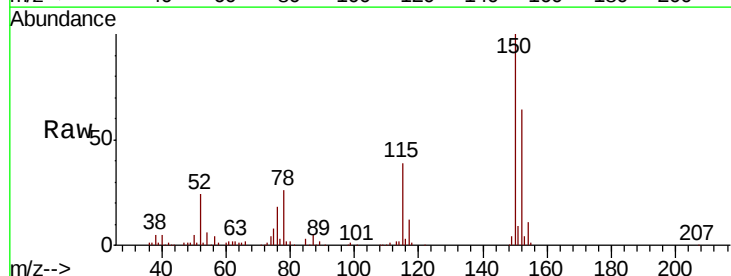


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

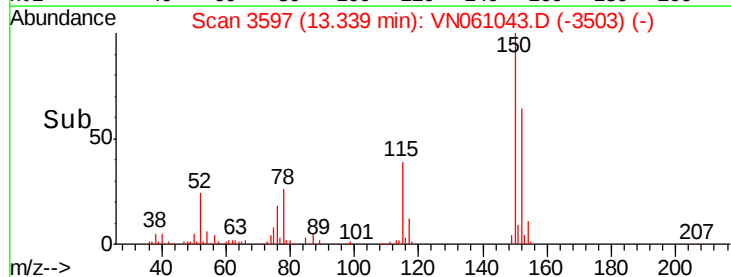
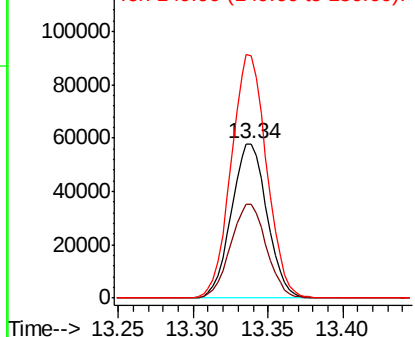


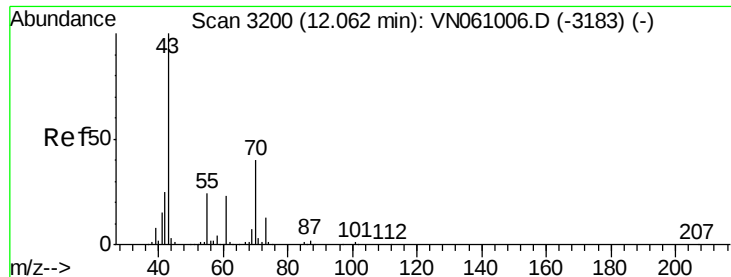
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061043.D
Acq: 17 Apr 2020 12:21

Tgt Ion:152 Resp: 95955
Ion Ratio Lower Upper
152 100
115 61.1 30.8 92.4
150 157.0 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





#74

N-amyl acetate

Concen: 0.309 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061043.D

Acq: 17 Apr 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 1106

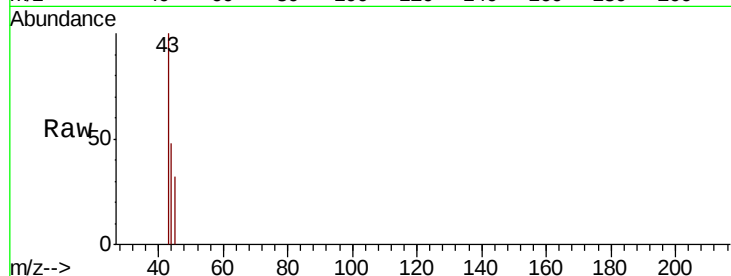
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 18.6 27.8#

61 0.0 18.2 27.4#

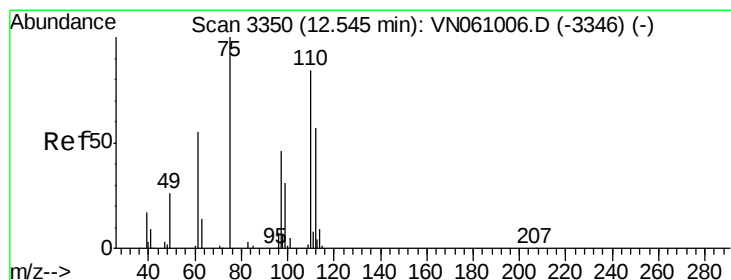
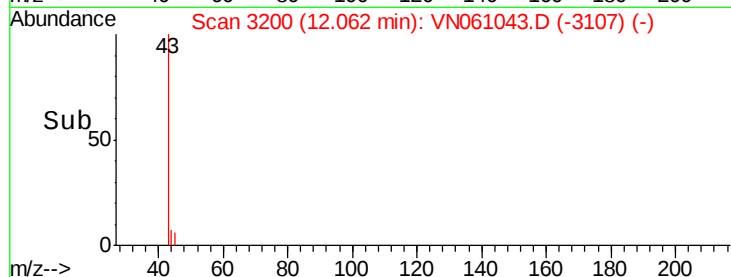
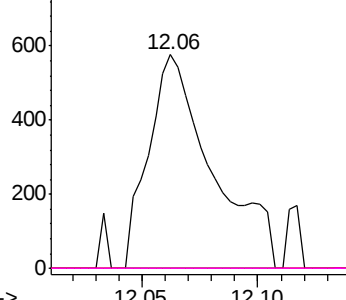


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 27.463 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061043.D

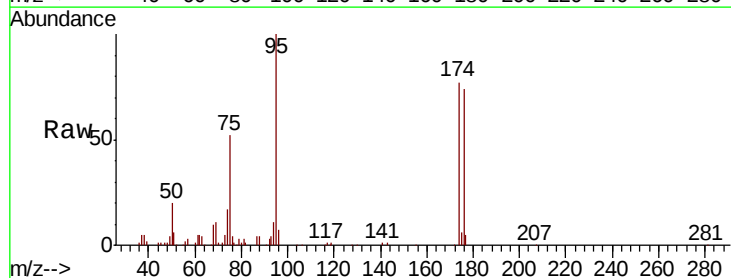
Acq: 17 Apr 2020 12:21

Tgt Ion: 75 Resp: 57964

Ion Ratio Lower Upper

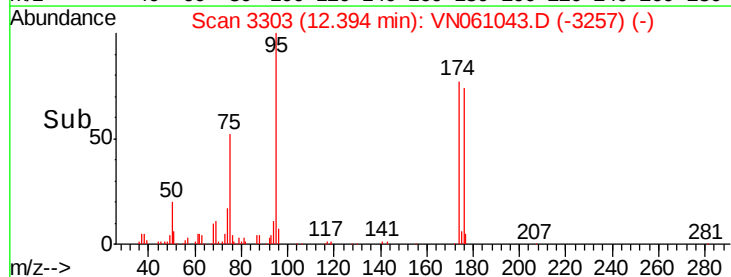
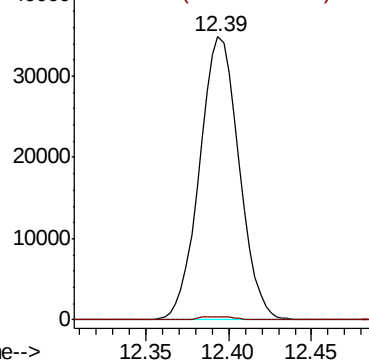
75 100

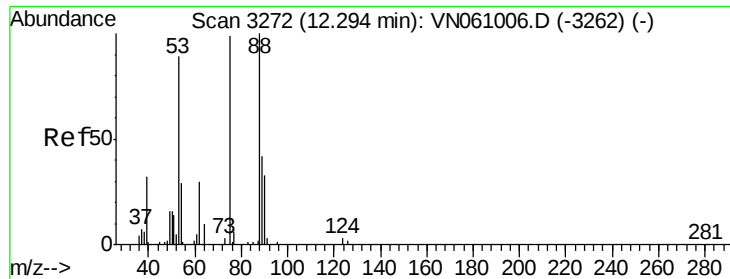
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

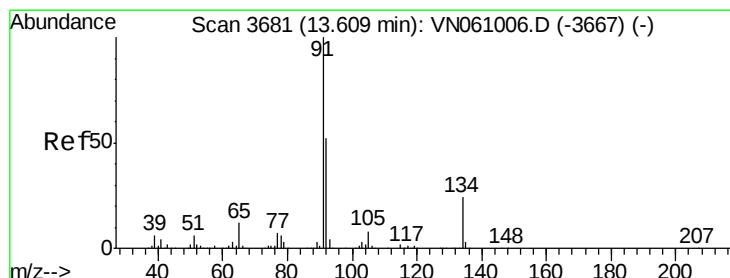
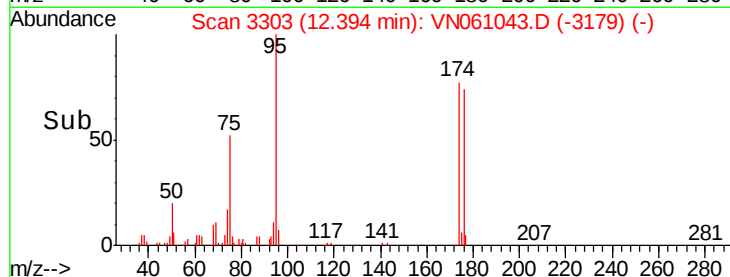
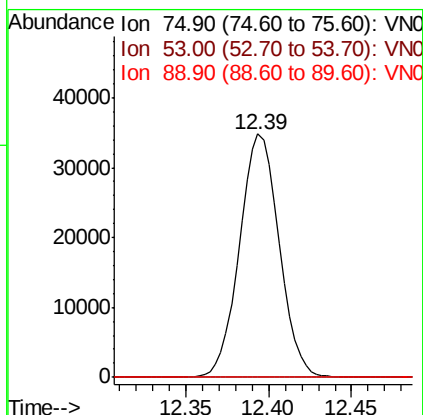
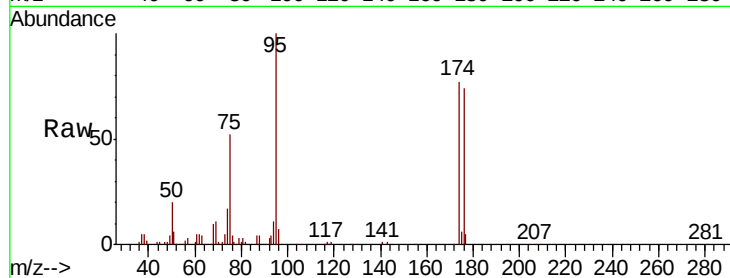




#81
trans-1,4-Dichloro-2-butene
Concen: 67.740 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.10 min
Lab File: VN061043.D
Acq: 17 Apr 2020 12:21

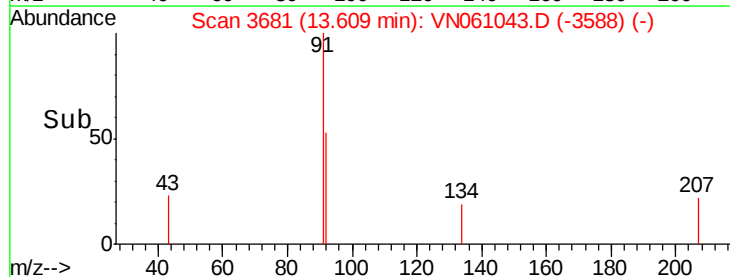
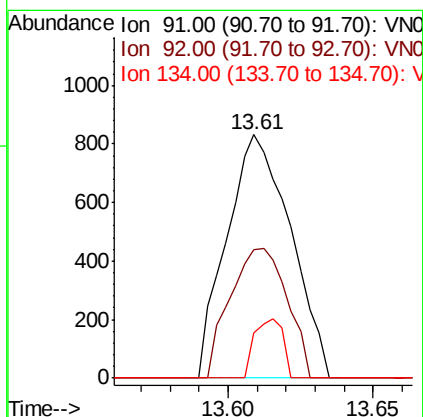
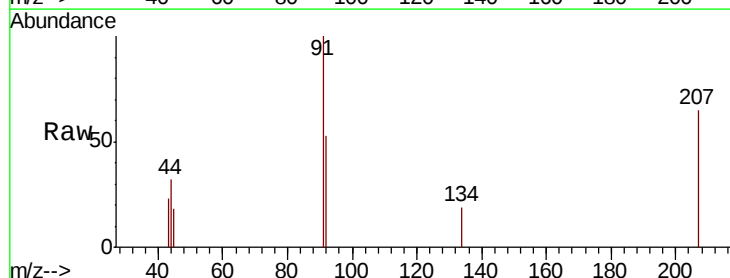
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

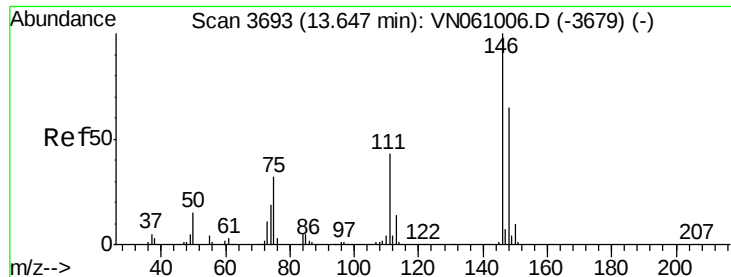
Tot Ion: 75 Resp: 57964
Ion Ratio Lower Upper
75 100
53 0.0 74.7 112.1#
89 0.0 34.6 52.0#



#89
n-Butylbenzene
Concen: 0.212 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061043.D
Acq: 17 Apr 2020 12:21

Tgt Ion: 91 Resp: 1270
Ion Ratio Lower Upper
91 100
92 47.6 26.1 78.2
134 10.9 12.3 36.8#

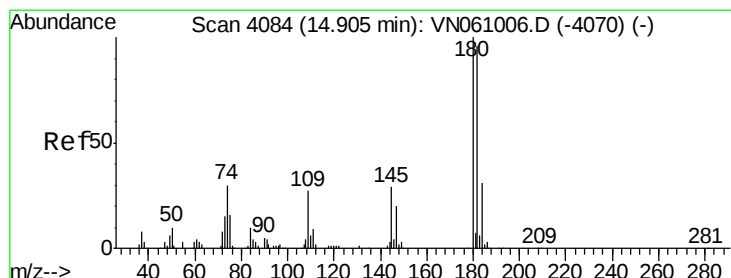
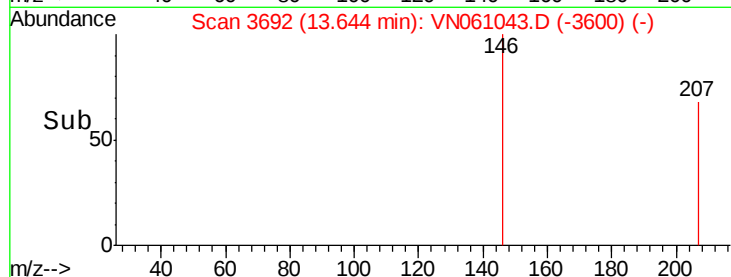
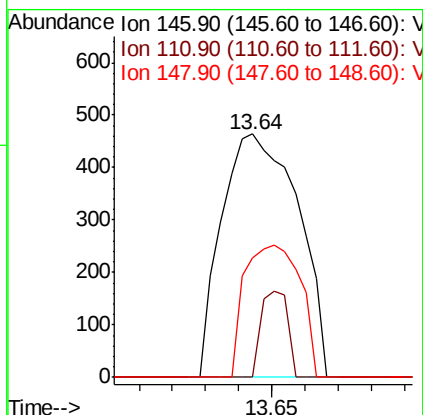
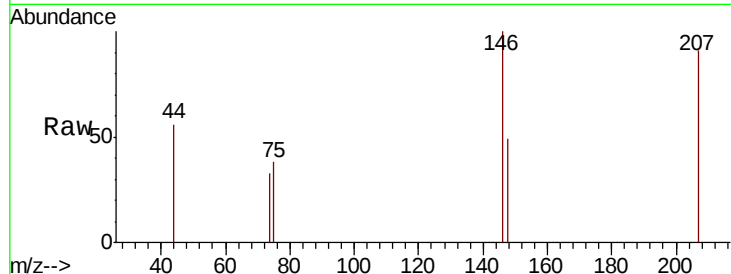




#91
 1,2-Dichlorobenzene
 Concen: 0.243 ug/l
 RT: 13.64 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VN061043.D
 Acq: 17 Apr 2020 12:21

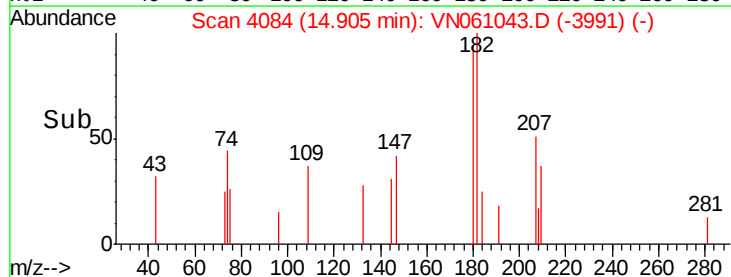
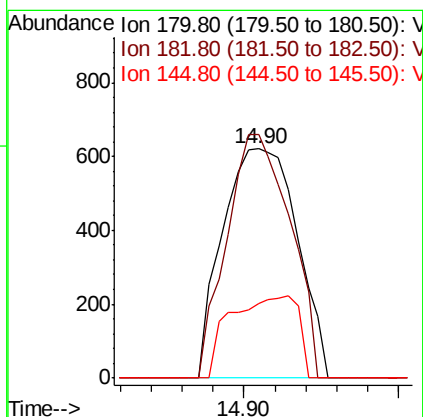
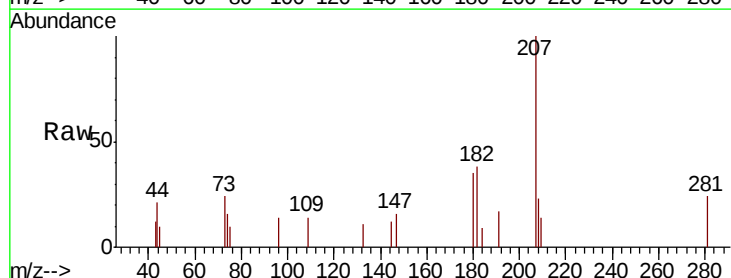
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

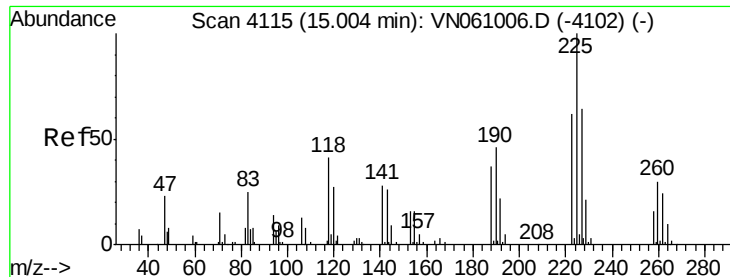
Tot Ion:146 Resp: 743
 Ion Ratio Lower Upper
 146 100
 111 12.2 21.3 64.0#
 148 39.4 32.0 96.0



#93
 1,2,4-Trichlorobenzene
 Concen: 0.573 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061043.D
 Acq: 17 Apr 2020 12:21

Tgt Ion:180 Resp: 1035
 Ion Ratio Lower Upper
 180 100
 182 90.7 47.8 143.3
 145 32.5 15.3 45.8





#94

Hexachlorobutadiene

Concen: 0.399 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VN061043.D

Acq: 17 Apr 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

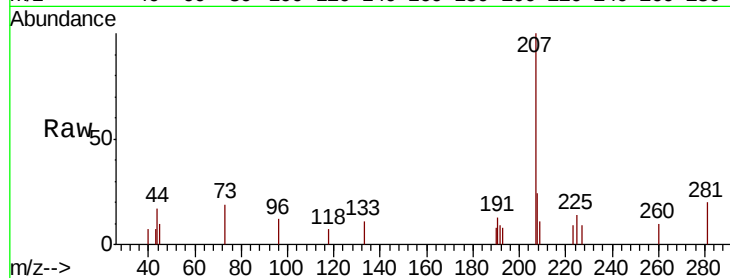
Tot Ion:225 Resp: 371

Ion Ratio Lower Upper

225 100

223 37.5 31.3 93.8

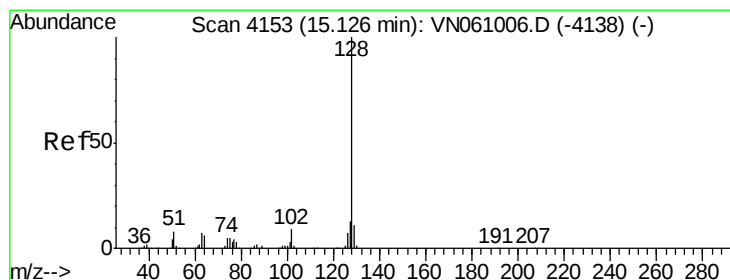
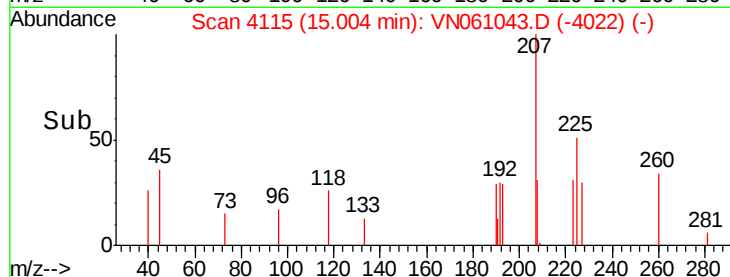
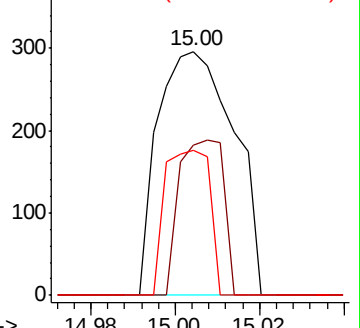
227 35.3 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.747 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN061043.D

Acq: 17 Apr 2020 12:21

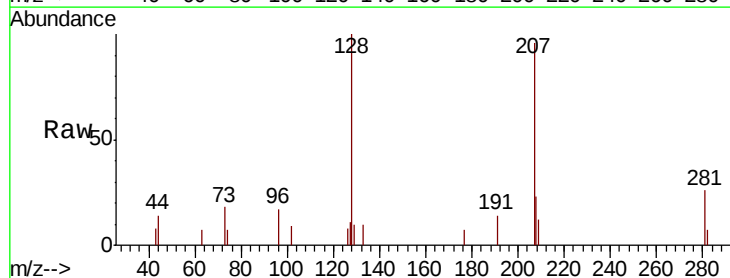
Tgt Ion:128 Resp: 3937

Ion Ratio Lower Upper

128 100

127 9.1 10.2 15.4#

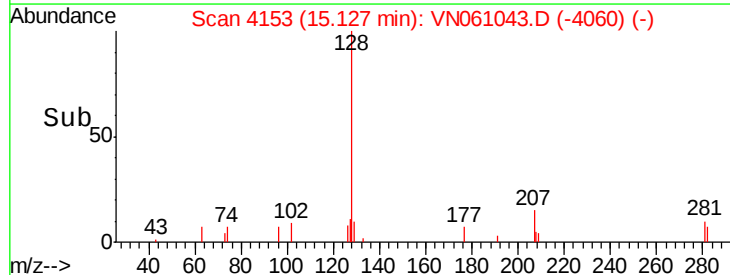
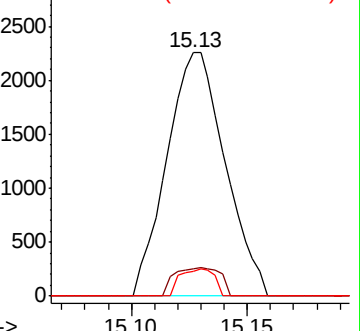
129 6.5 8.6 13.0#

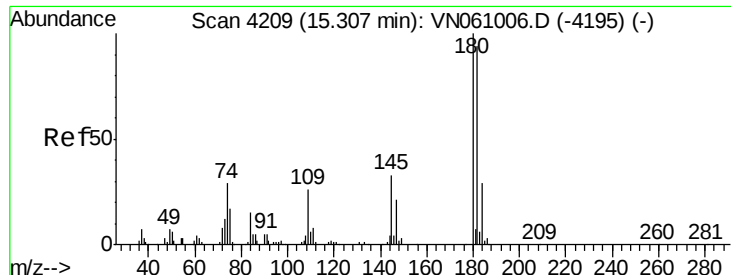


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.706 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.00 min
 Lab File: VN061043.D
 Acq: 17 Apr 2020 12:21

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.8
145	23.9	16.4	49.2

