

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056948.D
 Acq On : 26 Jul 2019 17:53
 Operator : JC/SP
 Sample : K4015-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jul 27 00:55:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:47:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	679849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	991820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	813188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	235895	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	331083	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
35) Dibromofluoromethane	7.58	113	305000	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
50) Toluene-d8	10.08	98	1151389	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
62) 4-Bromofluorobenzene	12.40	95	309566	39.27	ug/l	0.00
Spiked Amount			Recovery	=	78.54%	

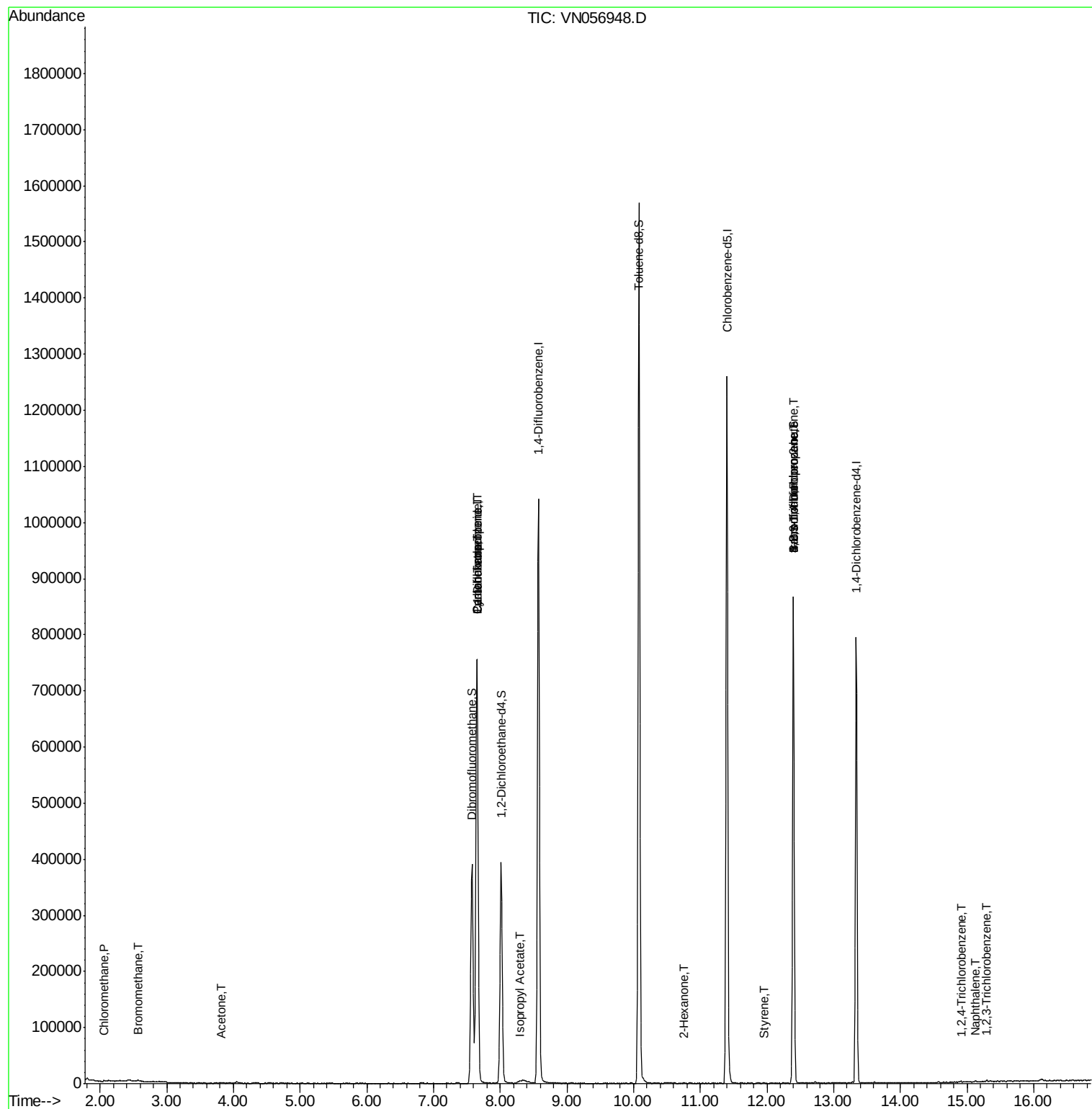
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1927	0.234	ug/l #	84
5) Bromomethane	2.56	94	1771	0.369	ug/l	96
13) Acrolein	3.58	56	34	Below Cal	#	15
16) Acetone	3.80	43	853	0.338	ug/l #	41
31) Cyclohexane	7.65	56	10420	0.911	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	43020	4.929	ug/l #	48
38) Carbon Tetrachloride	7.65	117	56817	6.883	ug/l #	17
43) Isopropyl Acetate	8.29	43	3149	0.273	ug/l #	52
59) 2-Hexanone	10.76	43	516	2.596	ug/l #	23
70) Styrene	11.96	104	626	1.900	ug/l #	55
71) Bromoform	12.40	173	2433	0.559	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	142347	29.714	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	142347	95.469	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	889	2.916	ug/l	86
94) Hexachlorobutadiene	14.99	225	241	Below Cal	#	28
95) Naphthalene	15.12	128	2358	3.806	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.30	180	1074	2.298	ug/l	85

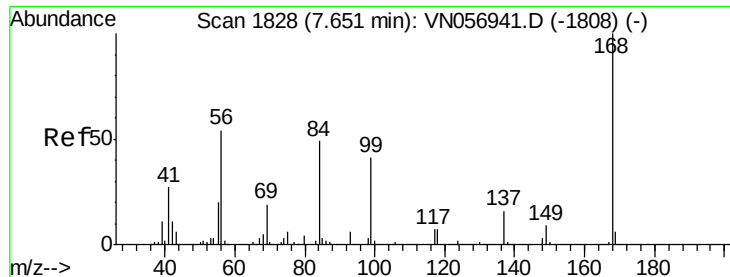
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072719\
Data File : VN056948.D
Acq On : 26 Jul 2019 17:53
Operator : JC/SP
Sample : K4015-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jul 27 00:55:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:47:27 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056948.D

Acq: 26 Jul 2019 17:53

Instrument :

MSVOA_N

ClientSampleId :

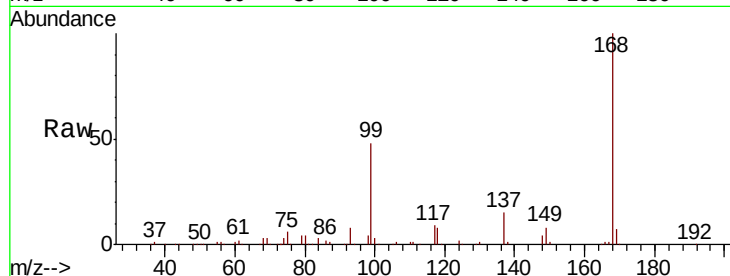
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 679849

Ion Ratio Lower Upper

168 100

99 47.9 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

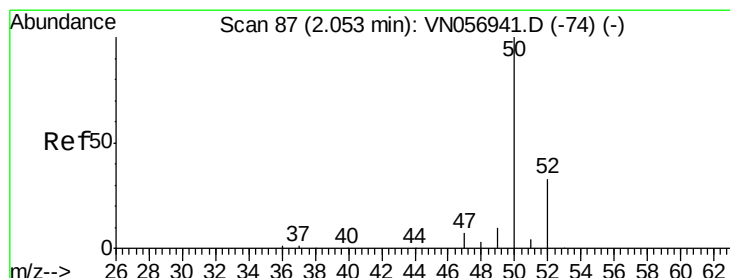
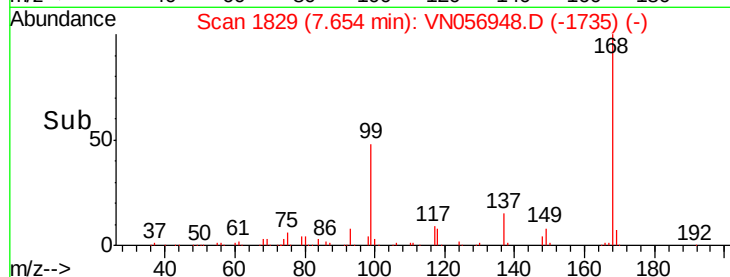
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.234 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN056948.D

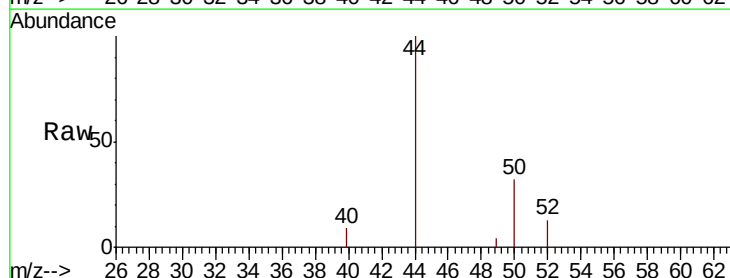
Acq: 26 Jul 2019 17:53

Tgt Ion: 50 Resp: 1927

Ion Ratio Lower Upper

50 100

52 41.5 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

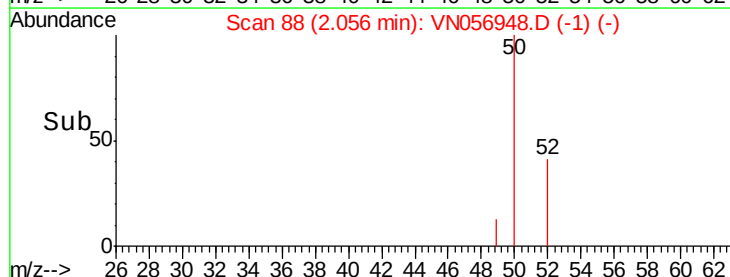
2.06

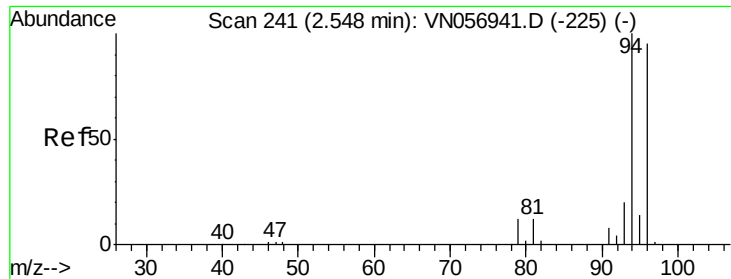
1000

500

0

Time-->

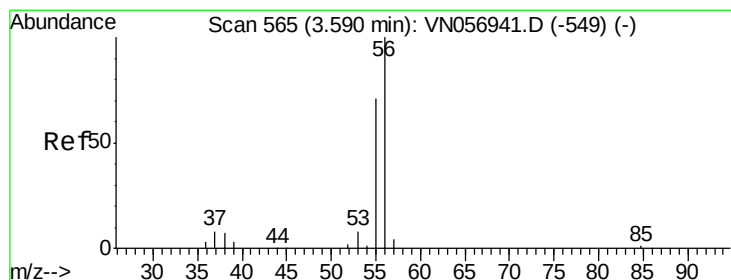
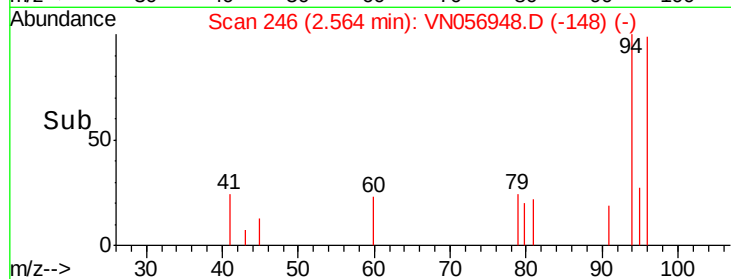
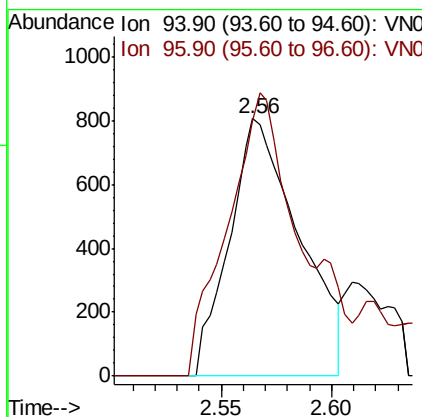
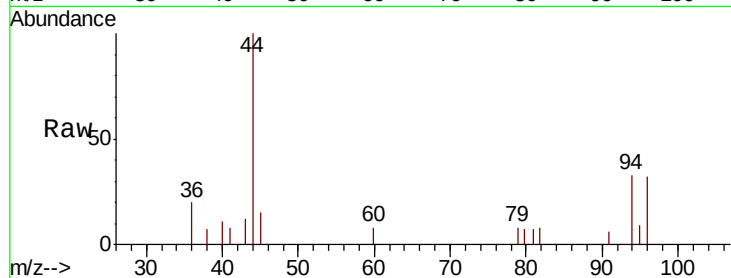




#5
Bromomethane
Concen: 0.369 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.02 min
Lab File: VN056948.D
Acq: 26 Jul 2019 17:53

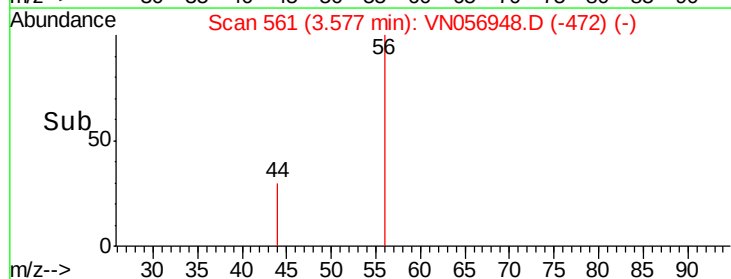
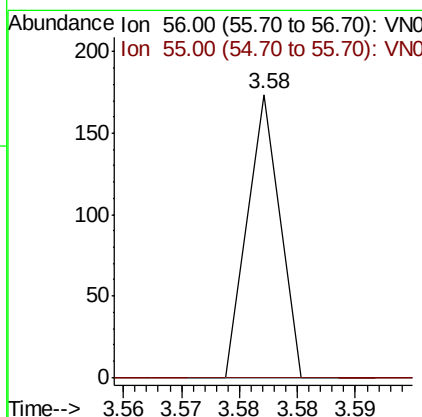
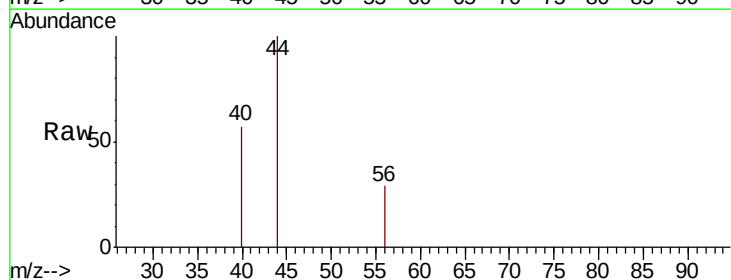
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

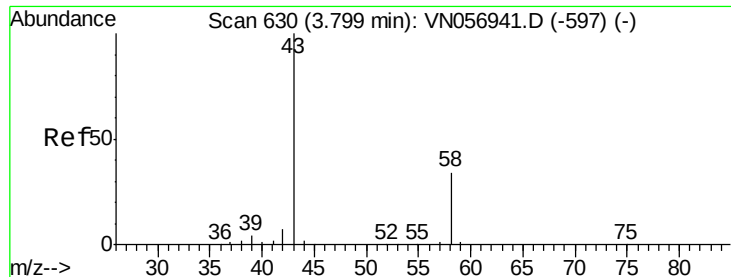
Tot Ion: 94 Resp: 1771
Ion Ratio Lower Upper
94 100
96 99.4 76.2 114.2



#13
Acrolein
Concen: Below Cal
RT: 3.58 min Scan# 561
Delta R.T. -0.01 min
Lab File: VN056948.D
Acq: 26 Jul 2019 17:53

Tgt Ion: 56 Resp: 34
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#





#16

Acetone

Concen: 0.338 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN056948.D

Acq: 26 Jul 2019 17:53

Instrument :

MSVOA_N

ClientSampleId :

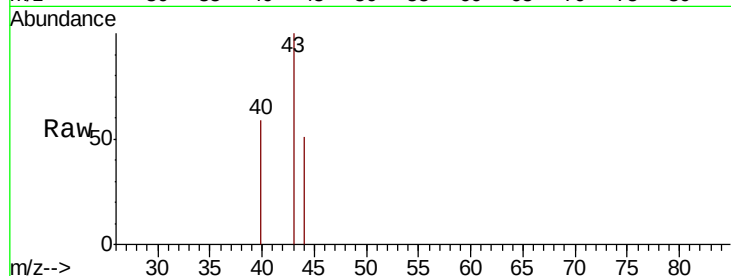
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 853

Ion Ratio Lower Upper

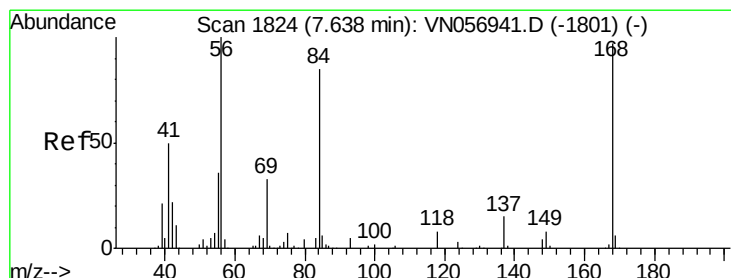
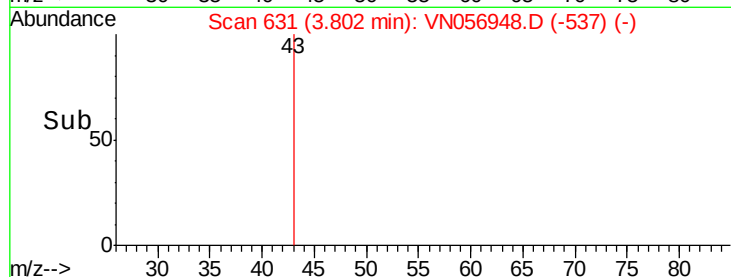
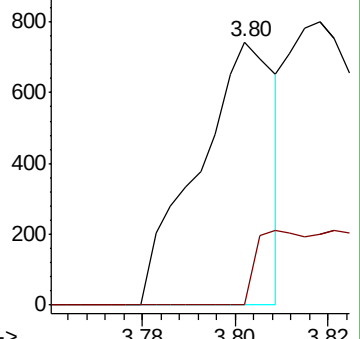
43 100

58 0.0 27.2 40.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#31

Cyclohexane

Concen: 0.911 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.02 min

Lab File: VN056948.D

Acq: 26 Jul 2019 17:53

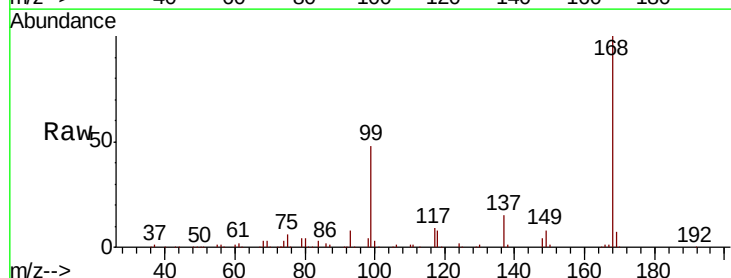
Tgt Ion: 56 Resp: 10420

Ion Ratio Lower Upper

56 100

69 192.4 26.2 39.2#

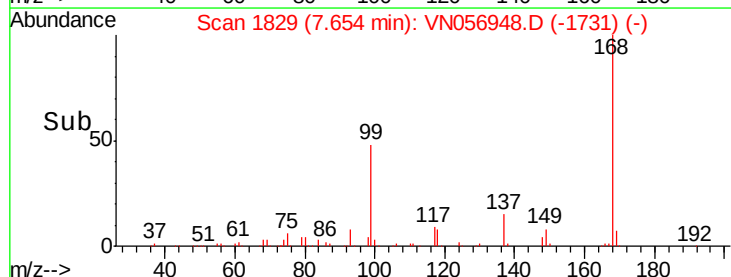
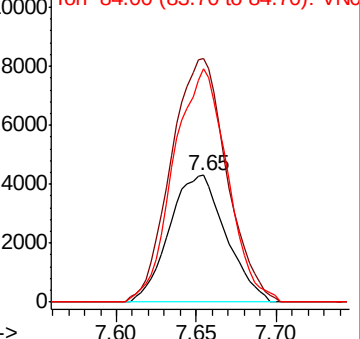
84 184.3 68.2 102.2#

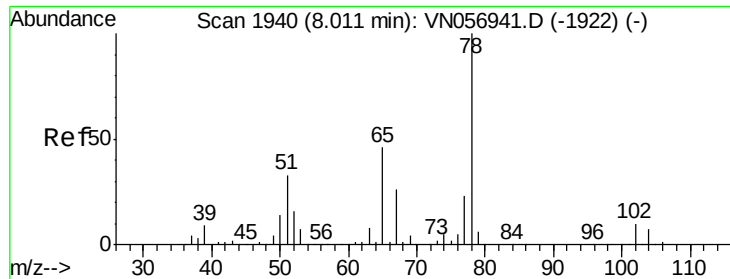


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

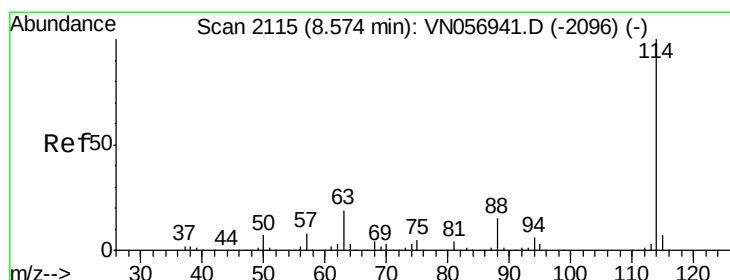
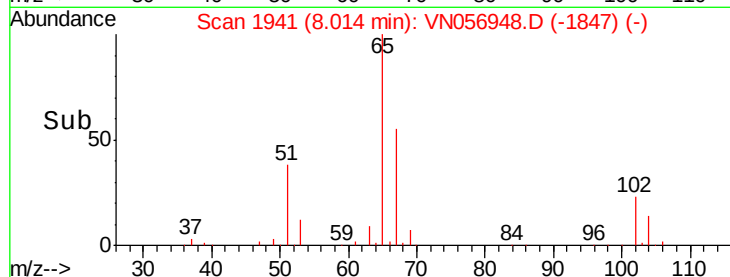
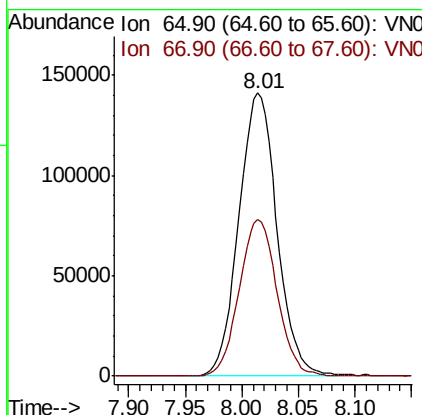
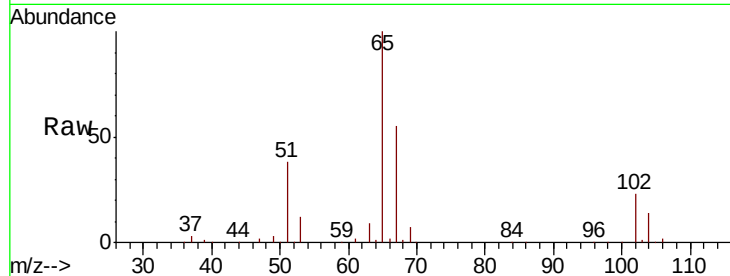




#33
 1,2-Dichloroethane-d4
 Concen: 47.575 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN056948.D
 Acq: 26 Jul 2019 17:53

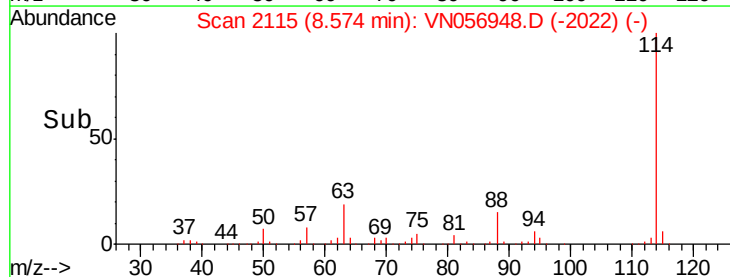
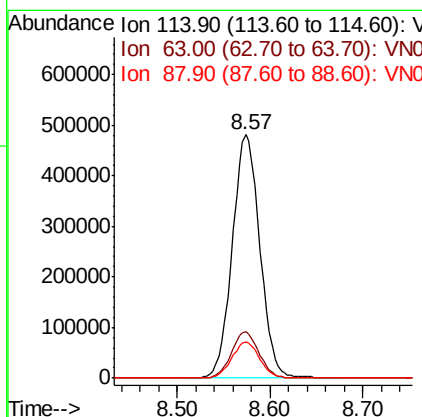
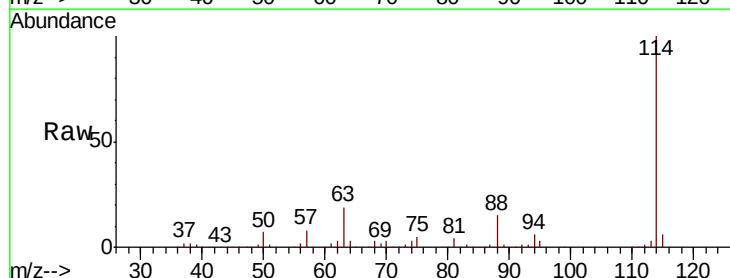
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

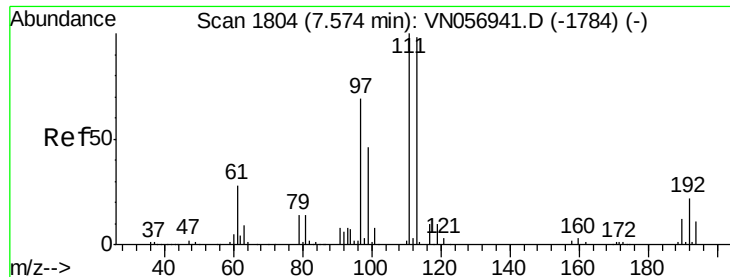
Tot Ion: 65 Resp: 331083
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN056948.D
 Acq: 26 Jul 2019 17:53

Tgt Ion: 114 Resp: 991820
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.0
 88 15.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.037 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN056948.D

Acq: 26 Jul 2019 17:53

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

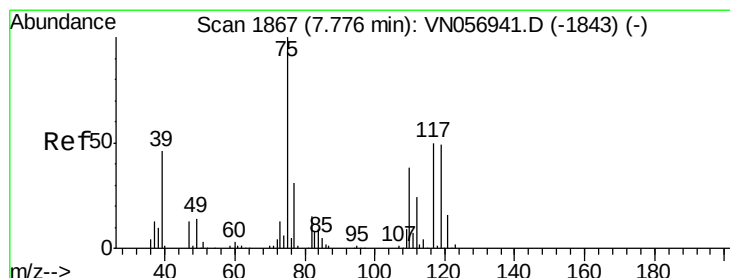
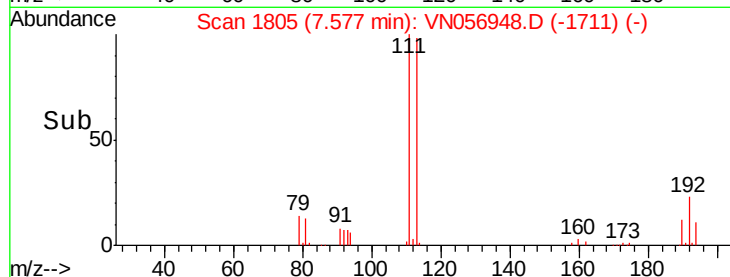
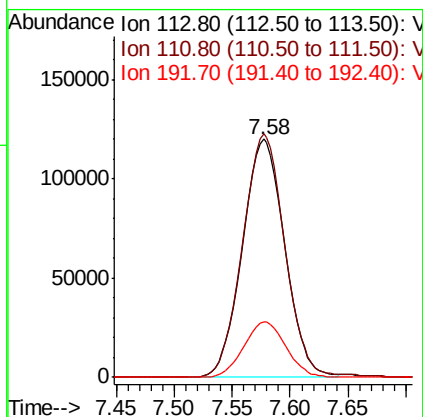
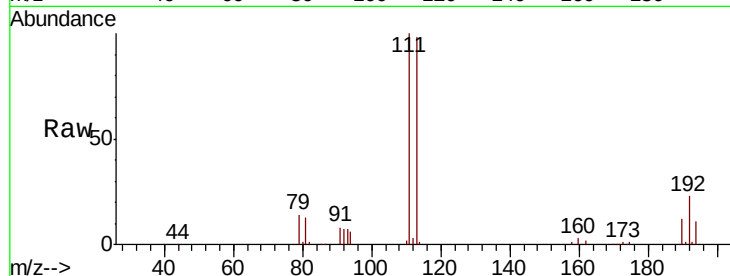
Tot Ion:113 Resp: 305000

Ion Ratio Lower Upper

113 100

111 101.7 82.0 123.0

192 23.2 18.4 27.6



#36

1,1-Dichloropropene

Concen: 4.929 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.12 min

Lab File: VN056948.D

Acq: 26 Jul 2019 17:53

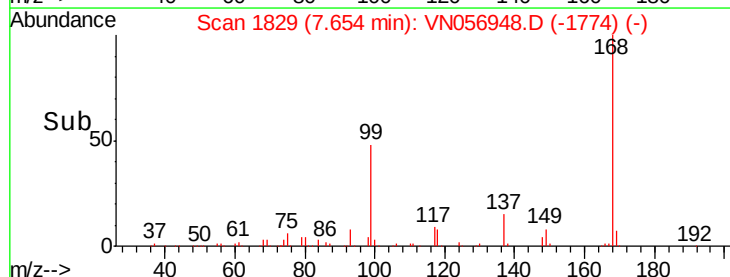
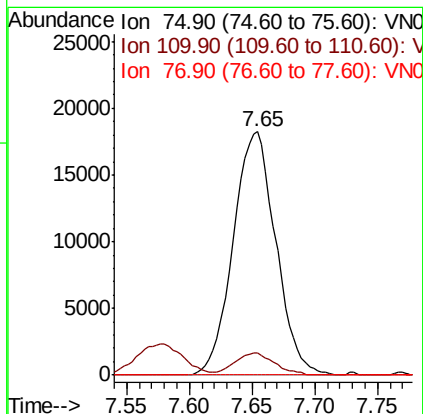
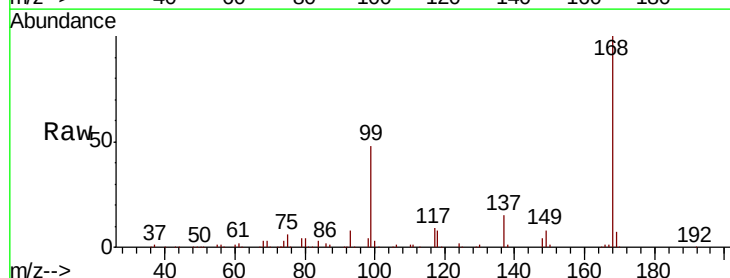
Tgt Ion: 75 Resp: 43020

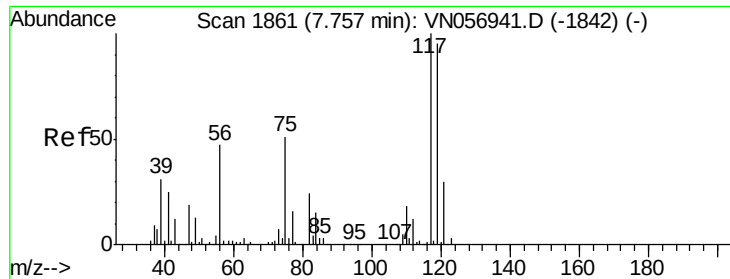
Ion Ratio Lower Upper

75 100

110 8.5 18.6 55.8#

77 0.0 25.2 37.8#

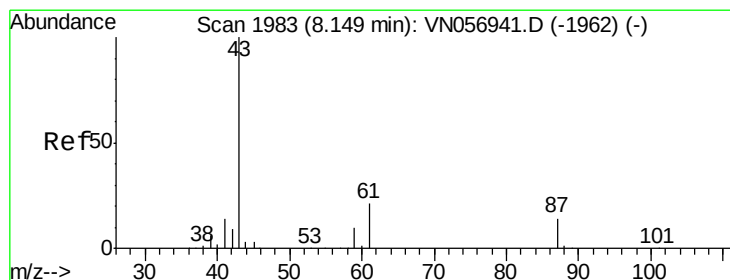
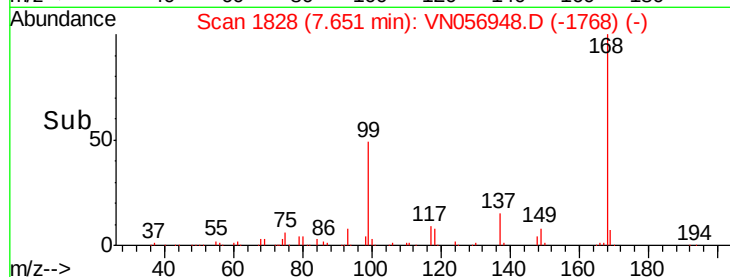
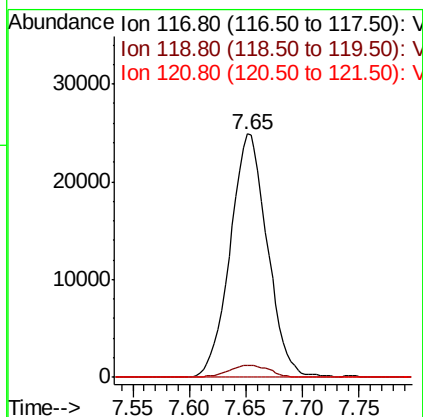
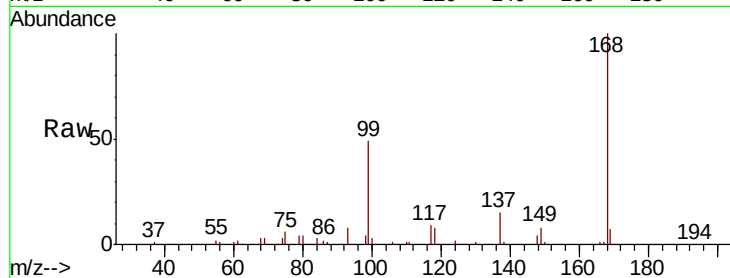




#38
Carbon Tetrachloride
Concen: 6.883 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN056948.D
Acq: 26 Jul 2019 17:53

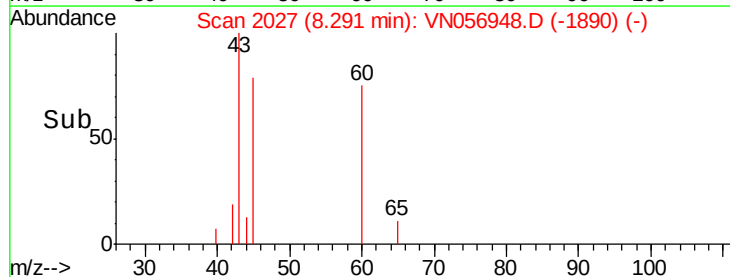
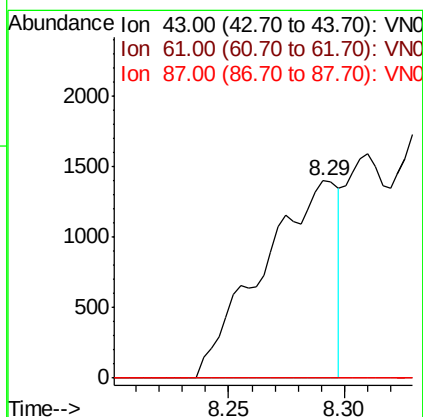
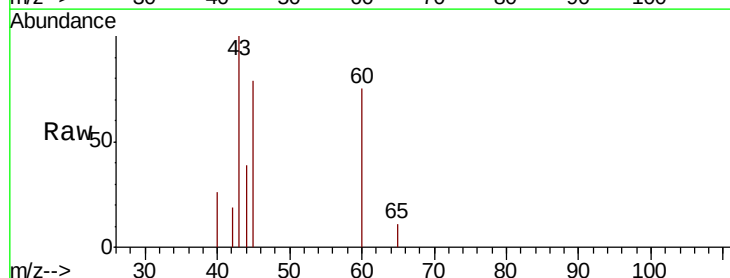
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

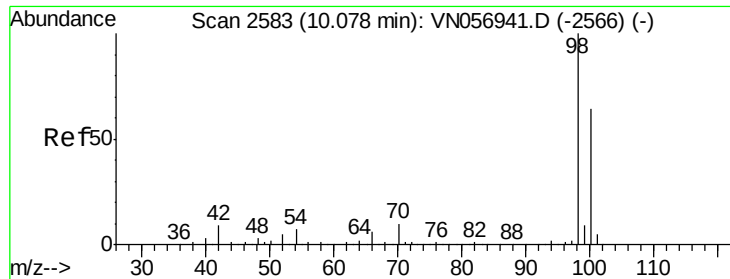
Tot Ion:117 Resp: 56817
Ion Ratio Lower Upper
117 100
119 4.8 75.3 112.9#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 0.273 ug/l
RT: 8.29 min Scan# 2027
Delta R.T. 0.14 min
Lab File: VN056948.D
Acq: 26 Jul 2019 17:53

Tgt Ion: 43 Resp: 3149
Ion Ratio Lower Upper
43 100
61 0.0 23.0 34.6#
87 0.0 11.7 17.5#

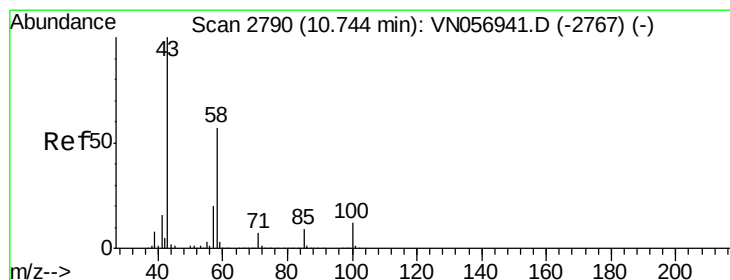
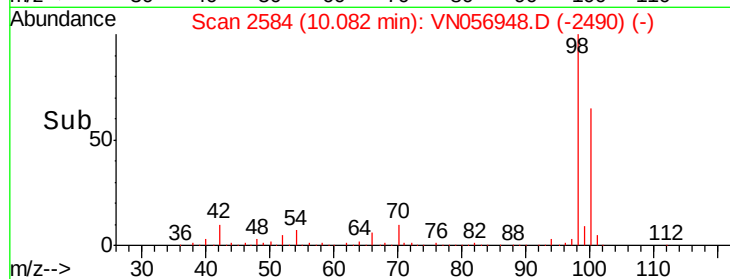
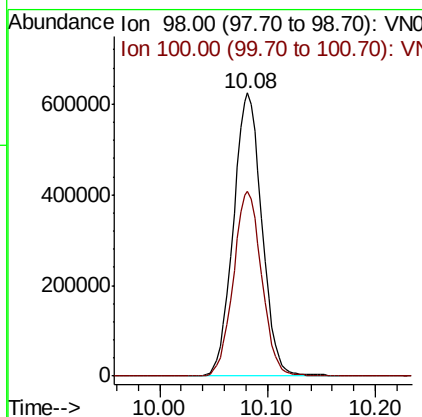
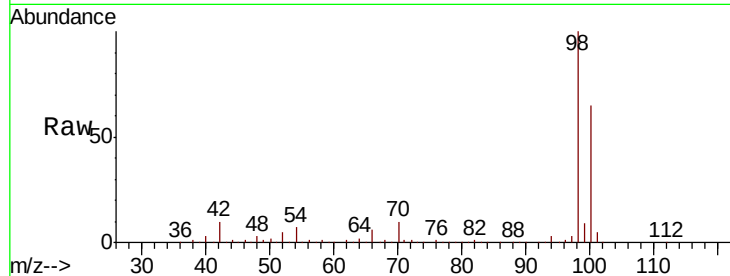




#50
Toluene-d8
Concen: 47.553 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN056948.D
Acq: 26 Jul 2019 17:53

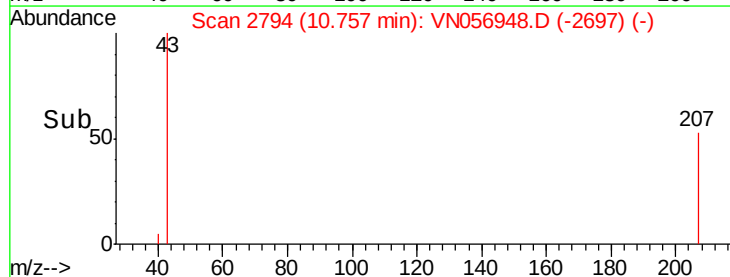
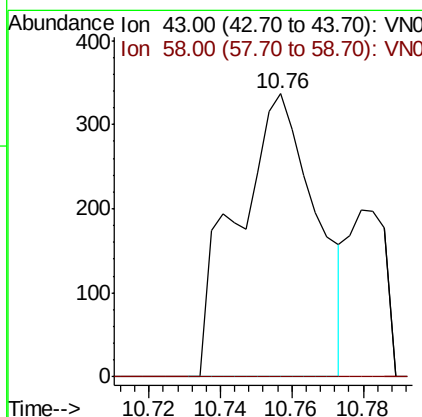
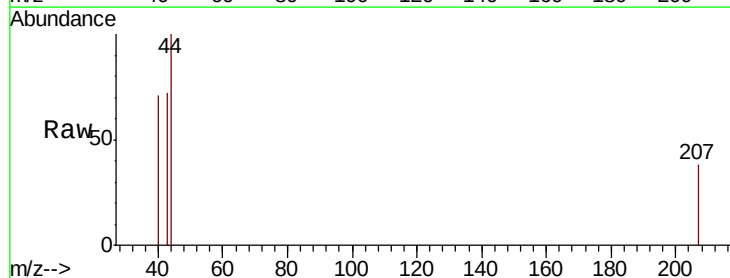
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

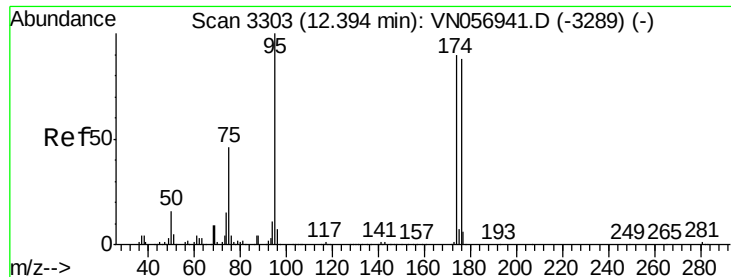
Tot Ion: 98 Resp: 1151389
Ion Ratio Lower Upper
98 100
100 65.0 51.3 76.9



#59
2-Hexanone
Concen: 2.596 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN056948.D
Acq: 26 Jul 2019 17:53

Tgt Ion: 43 Resp: 516
Ion Ratio Lower Upper
43 100
58 0.0 28.5 85.5#





#62

4-Bromofluorobenzene

Concen: 39.273 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN056948.D

Acq: 26 Jul 2019 17:53

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

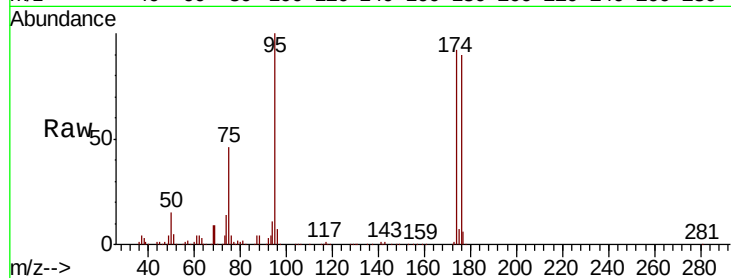
Tot Ion: 95 Resp: 309566

Ion Ratio Lower Upper

95 100

174 92.1 0.0 182.2

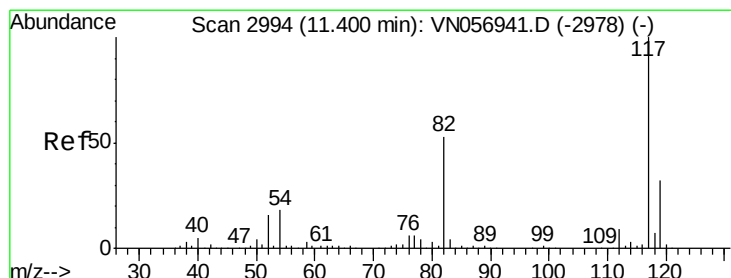
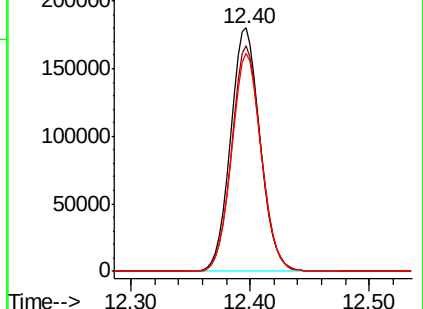
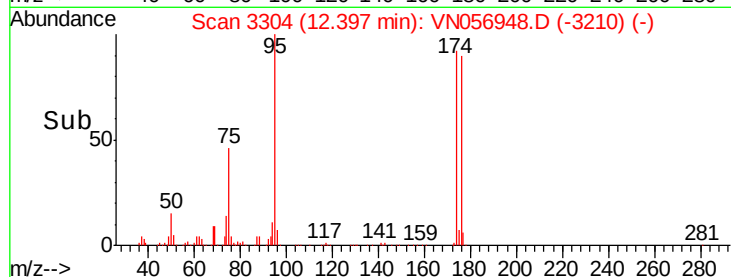
176 89.6 0.0 179.4



Abundance Ion 94.90 (94.60 to 95.60): VN056948.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN056948.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN056948.D (-3289) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN056948.D

Acq: 26 Jul 2019 17:53

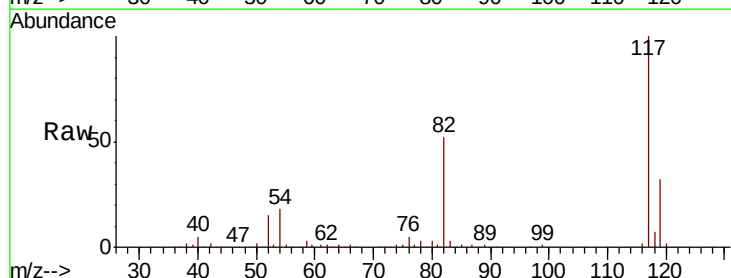
Tgt Ion: 117 Resp: 813188

Ion Ratio Lower Upper

117 100

82 52.3 42.2 63.4

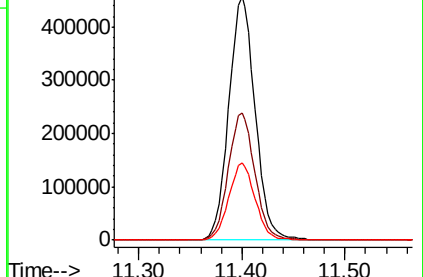
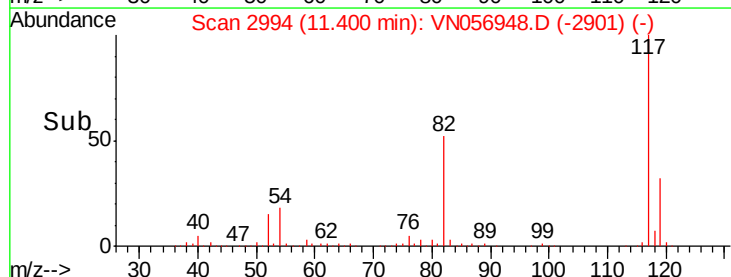
119 31.6 25.8 38.6

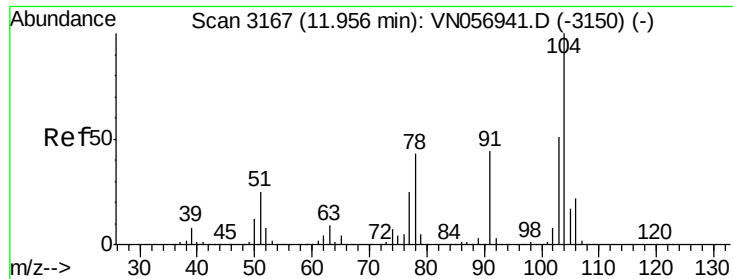


Abundance Ion 116.90 (116.60 to 117.60): VN056948.D (-2978) (-)

Ion 82.00 (81.70 to 82.70): VN056948.D (-2978) (-)

Ion 118.90 (118.60 to 119.60): VN056948.D (-2978) (-)

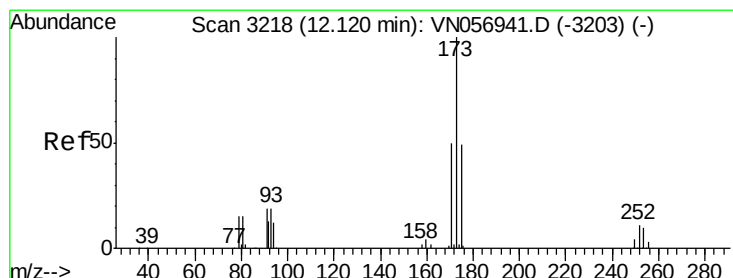
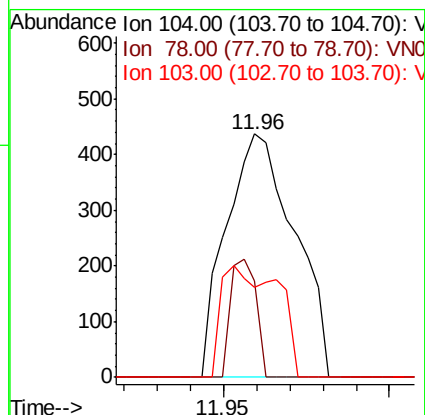
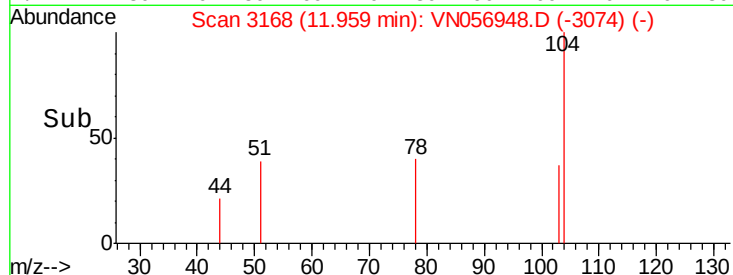
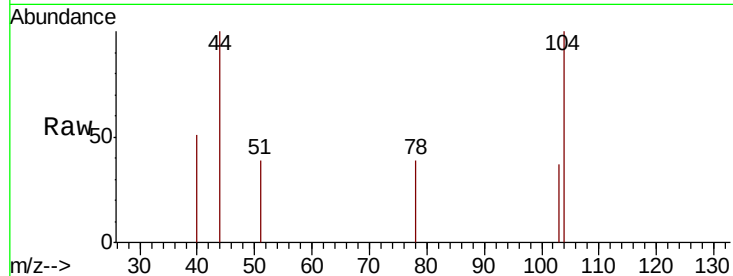




#70
Stvrene
Concen: 1.900 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN056948.D
Acq: 26 Jul 2019 17:53

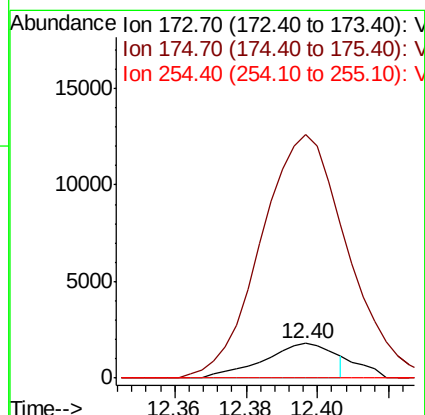
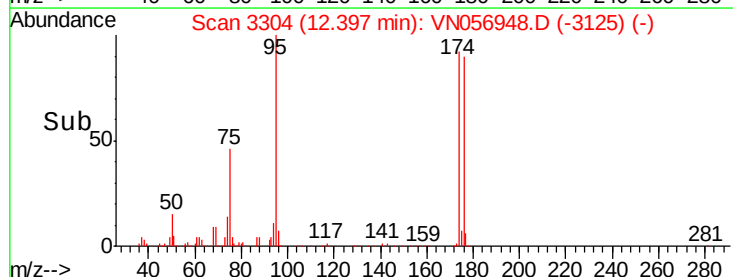
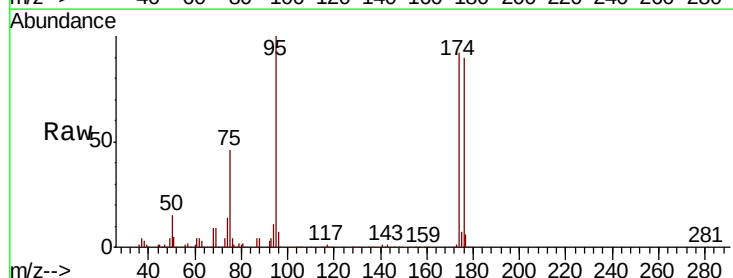
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

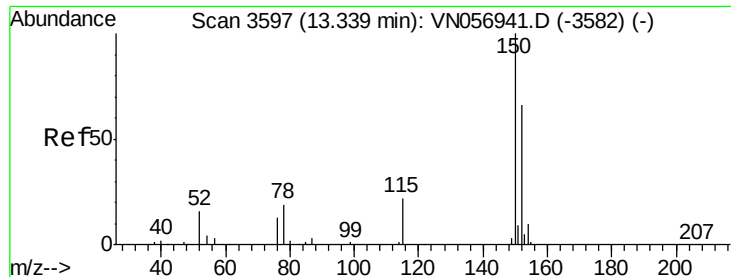
Tot Ion:104 Resp: 626
Ion Ratio Lower Upper
104 100
78 18.1 38.1 57.1#
103 22.2 44.3 66.5#



#71
Bromoform
Concen: 0.559 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN056948.D
Acq: 26 Jul 2019 17:53

Tgt Ion:173 Resp: 2433
Ion Ratio Lower Upper
173 100
175 730.0 24.1 72.4#
254 0.0 0.1 0.1#

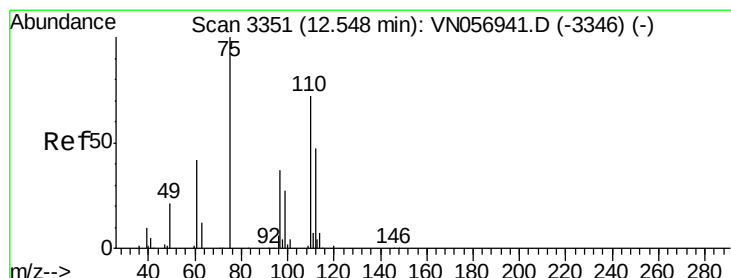
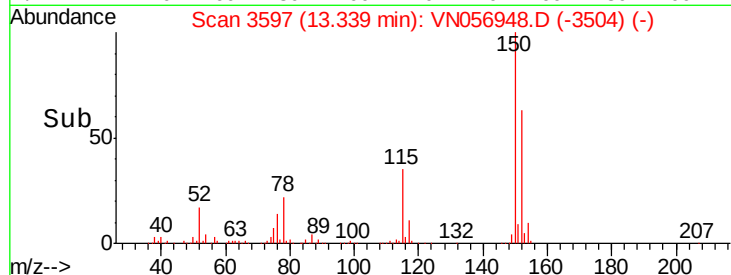
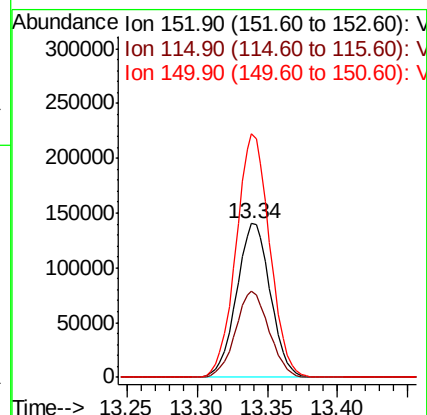
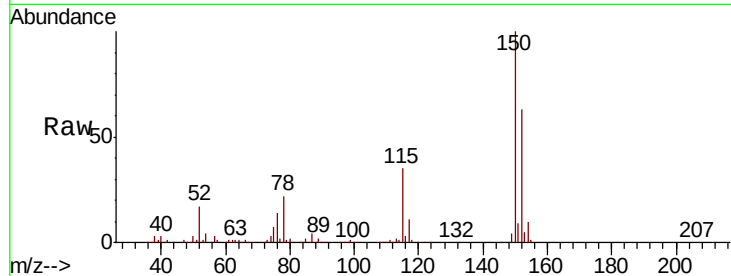




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN056948.D
 Acq: 26 Jul 2019 17:53

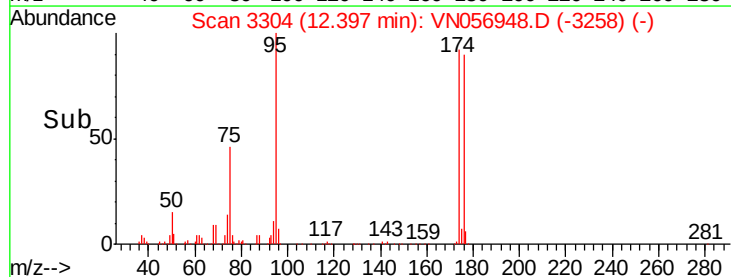
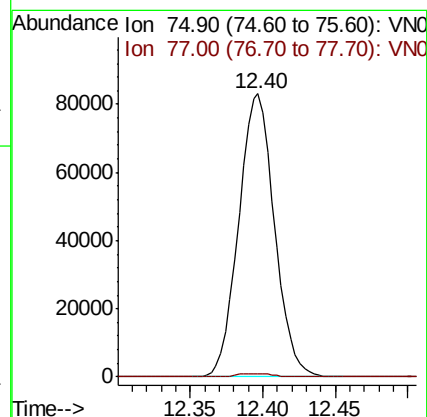
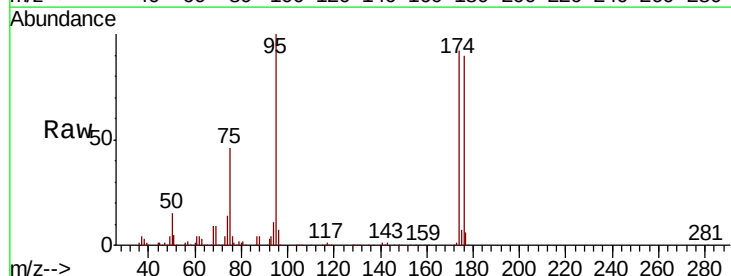
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

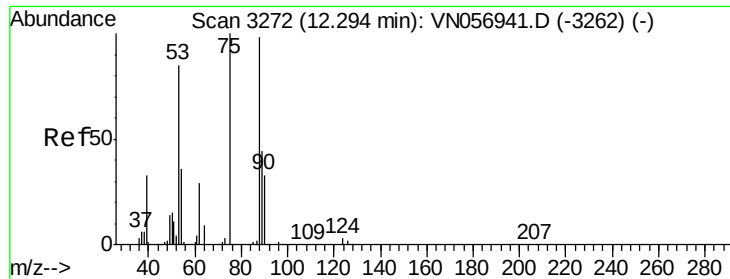
Tot Ion:152 Resp: 235895
 Ion Ratio Lower Upper
 152 100
 115 55.5 28.2 84.6
 150 157.3 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 29.714 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN056948.D
 Acq: 26 Jul 2019 17:53

Tgt Ion: 75 Resp: 142347
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

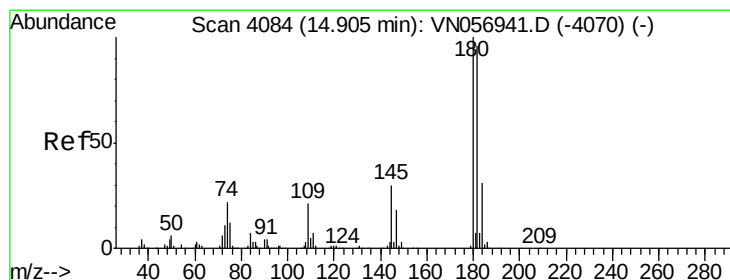
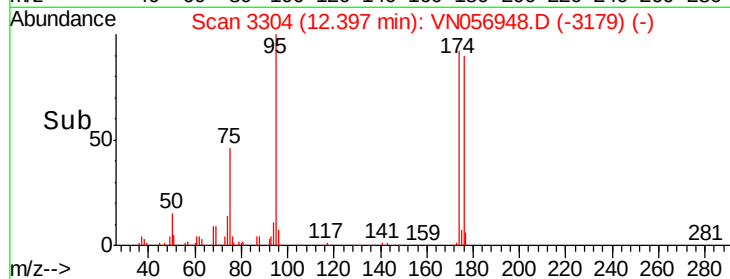
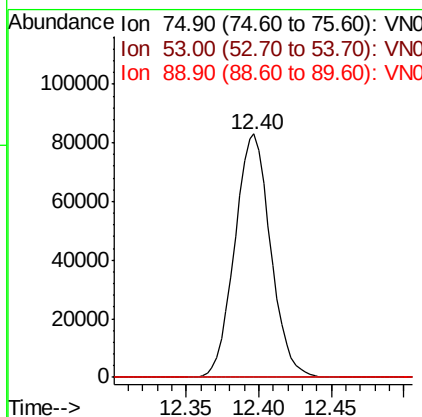
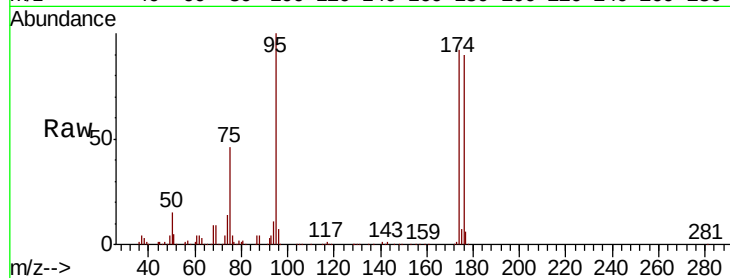




#81
trans-1,4-Dichloro-2-butene
Concen: 95.469 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN056948.D
Acq: 26 Jul 2019 17:53

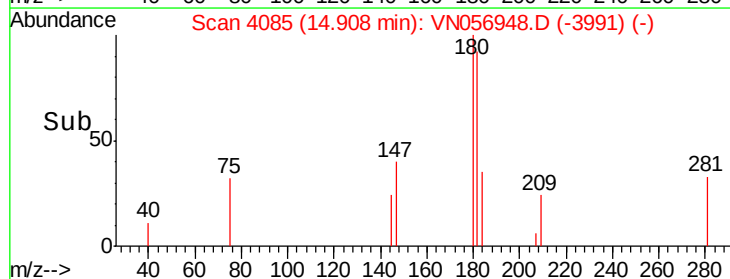
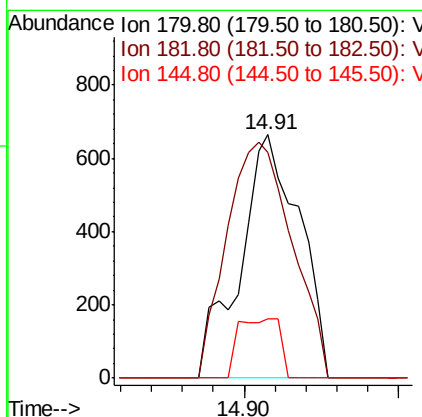
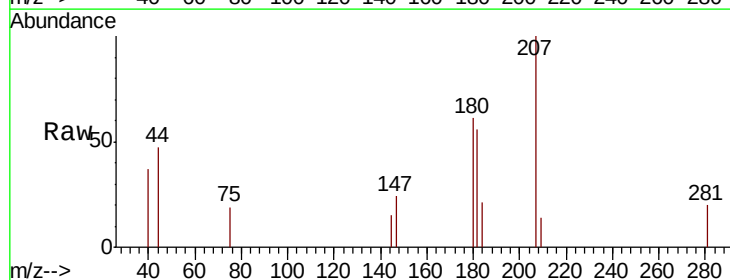
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

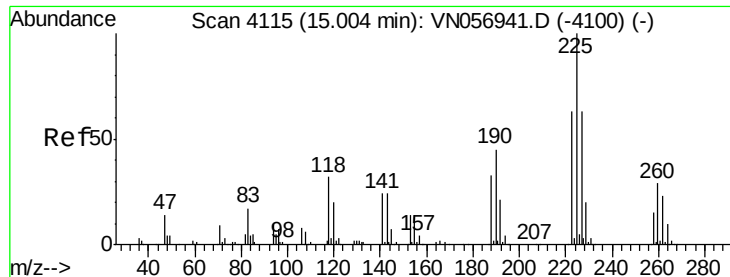
Tot Ion: 75 Resp: 142347
Ion Ratio Lower Upper
75 100
53 0.0 69.3 103.9#
89 0.0 35.8 53.6#



#93
1,2,4-Trichlorobenzene
Concen: 2.916 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056948.D
Acq: 26 Jul 2019 17:53

Tgt Ion: 180 Resp: 889
Ion Ratio Lower Upper
180 100
182 106.4 47.6 142.8
145 17.0 14.2 42.8





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 14.99 min Scan# 4112

Delta R.T. -0.01 min

Lab File: VN056948.D

Acq: 26 Jul 2019 17:53

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

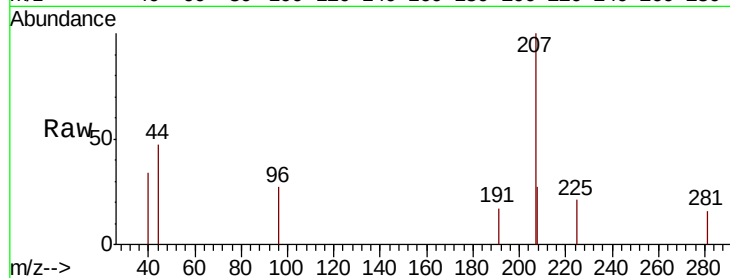
Tot Ion:225 Resp: 241

Ion Ratio Lower Upper

225 100

223 0.0 30.8 92.4#

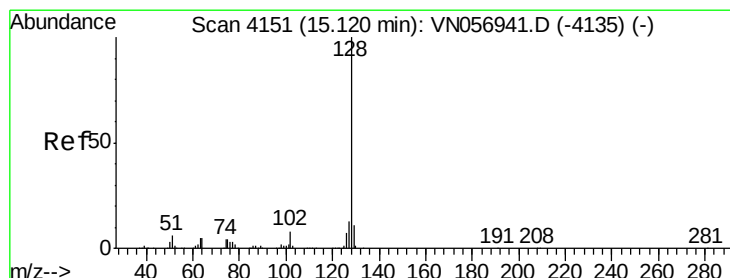
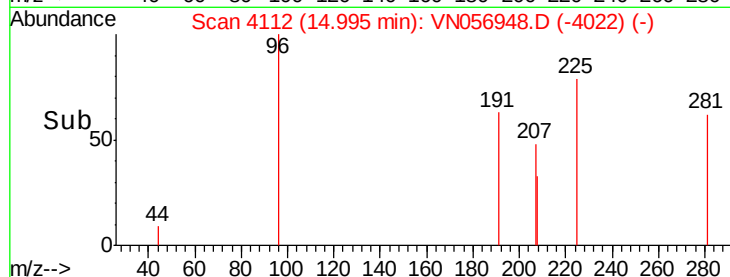
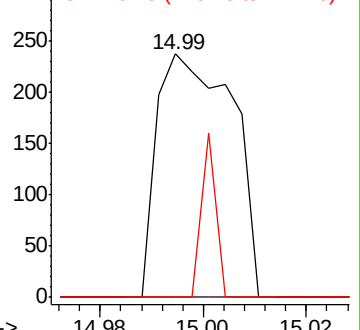
227 12.9 31.1 93.5#



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: 3.806 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN056948.D

Acq: 26 Jul 2019 17:53

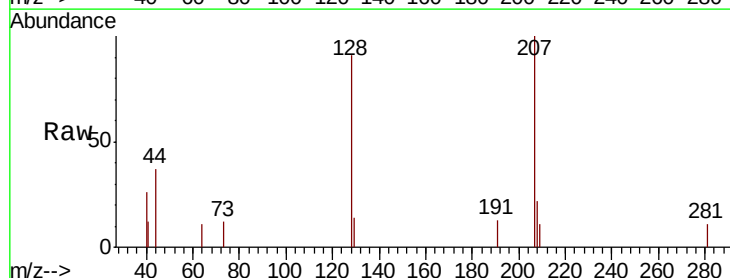
Tgt Ion:128 Resp: 2358

Ion Ratio Lower Upper

128 100

127 4.6 10.0 15.0#

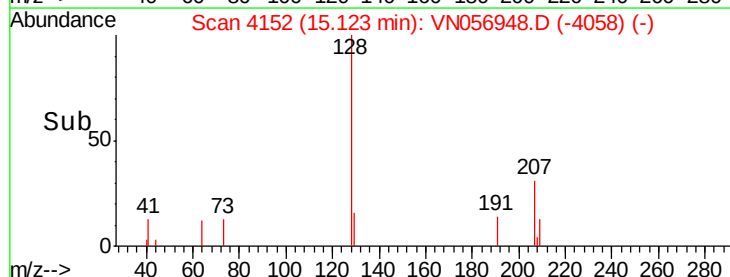
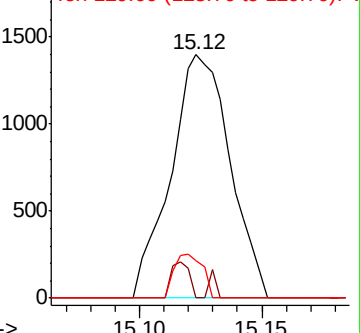
129 8.6 8.7 13.1#

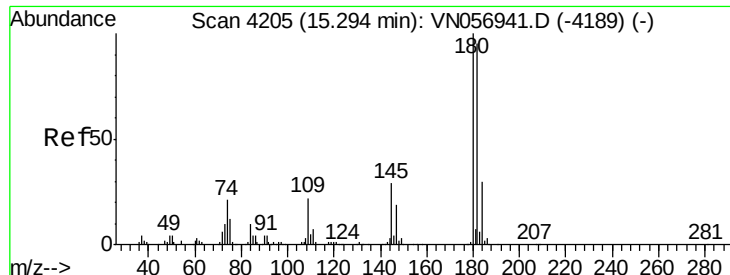


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.298 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.01 min
 Lab File: VN056948.D
 Acq: 26 Jul 2019 17:53

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

Tot Ion:180 Resp: 1074
 Ion Ratio Lower Upper
 180 100
 182 113.2 48.0 144.2
 145 25.2 15.0 45.0

