

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054333.D
 Acq On : 16 Mar 2019 13:34
 Operator : JC/SP
 Sample : K1962-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Mar 18 04:49:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1893799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2650359	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2225387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	807745	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	900721	44.78	ug/l	0.00
Spiked Amount			Recovery	=	89.56%	
35) Dibromofluoromethane	7.59	113	809100	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	10.09	98	3055547	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	12.40	95	915623	41.45	ug/l	0.00
Spiked Amount			Recovery	=	82.90%	

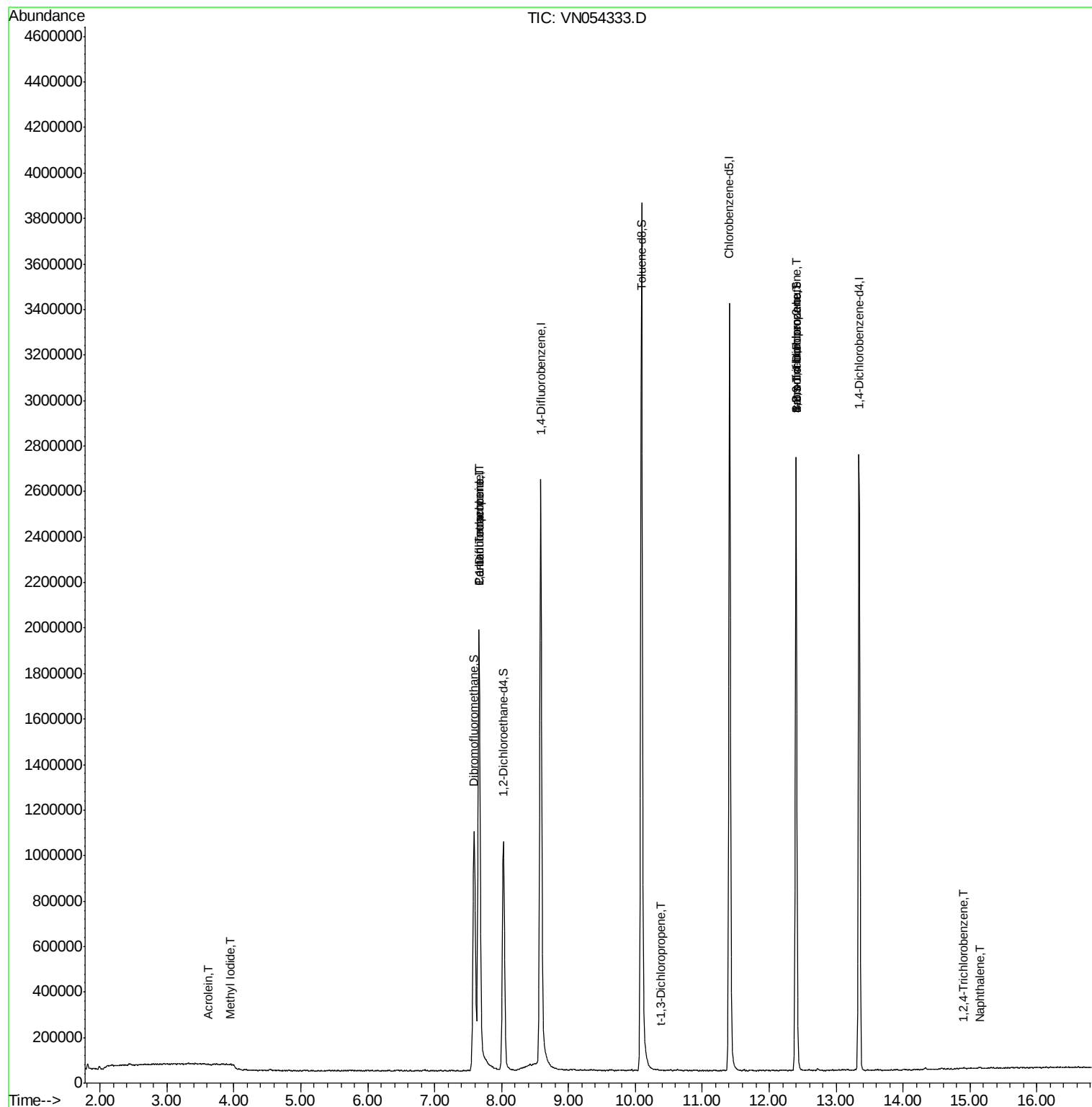
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	192	1.504	ug/l #	38
13) Acrolein	3.60	56	484	0.370	ug/l #	67
31) Cyclohexane	7.66	56	28165	Below Cal	#	6
36) 1,1-Dichloropropene	7.66	75	113872	4.665	ug/l #	48
38) Carbon Tetrachloride	7.66	117	153480	5.996	ug/l #	16
53) t-1,3-Dichloropropene	10.38	75	348	1.998	ug/l #	1
71) Bromoform	12.40	173	6138	2.783	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	442179	37.226	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	442179	127.255	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.90	180	668	2.554	ug/l #	19
95) Naphthalene	15.14	128	4971	3.600	ug/l #	94

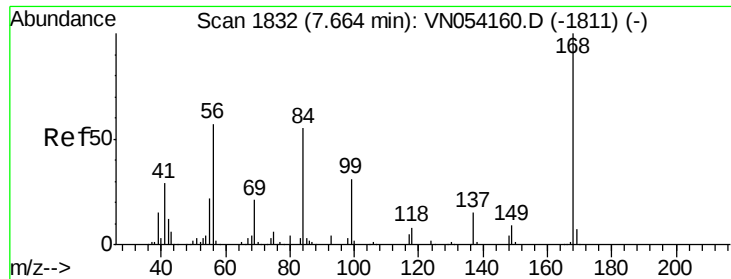
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031619\
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Quant Time: Mar 18 04:49:33 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054333.D

Acq: 16 Mar 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

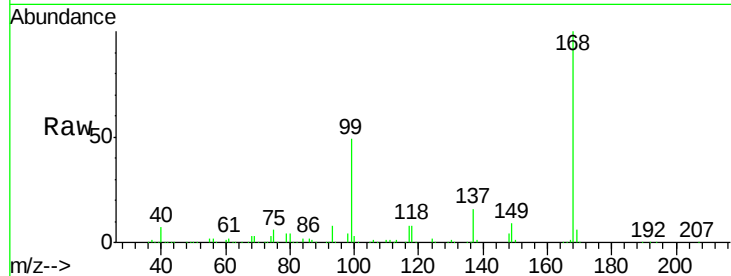
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 1893799

Ion Ratio Lower Upper

168 100

99 48.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

800000

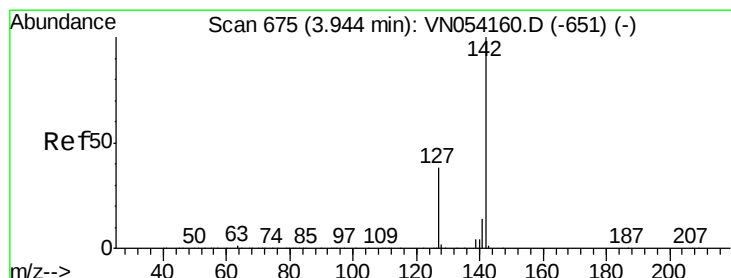
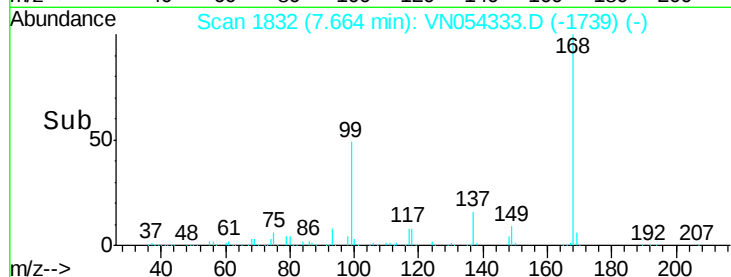
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#10

Methyl Iodide

Concen: 1.504 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054333.D

Acq: 16 Mar 2019 13:34

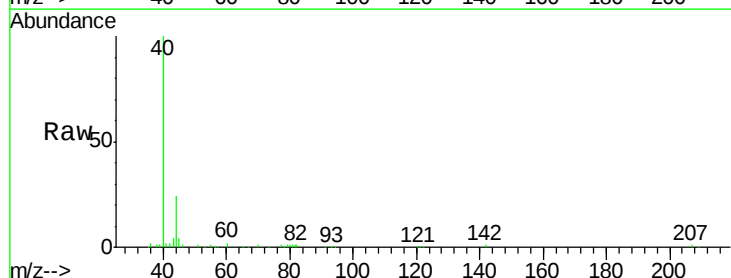
Tgt Ion:142 Resp: 192

Ion Ratio Lower Upper

142 100

127 16.1 30.3 45.5#

141 67.2 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.94

500

400

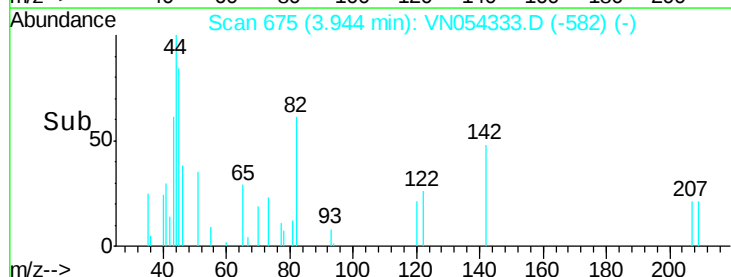
300

200

100

0

Time--> 3.92 3.93 3.94 3.95 3.96

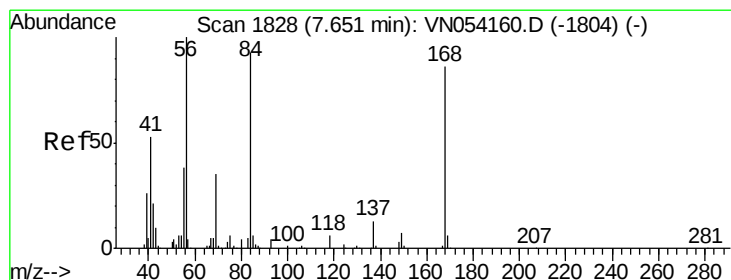
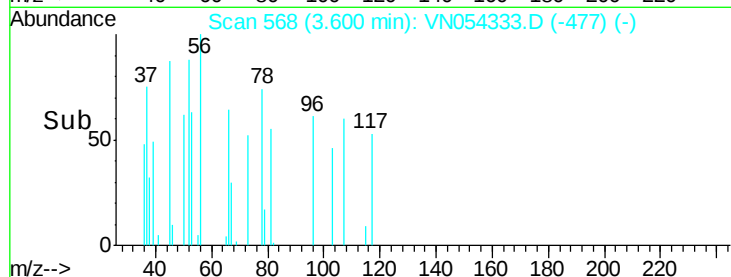
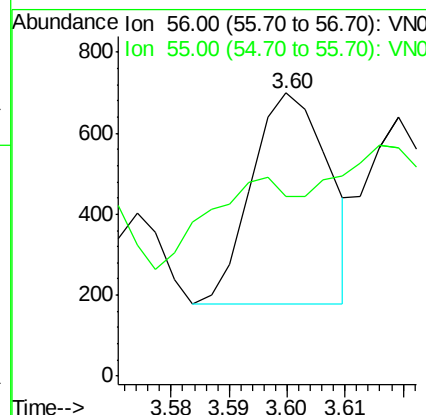
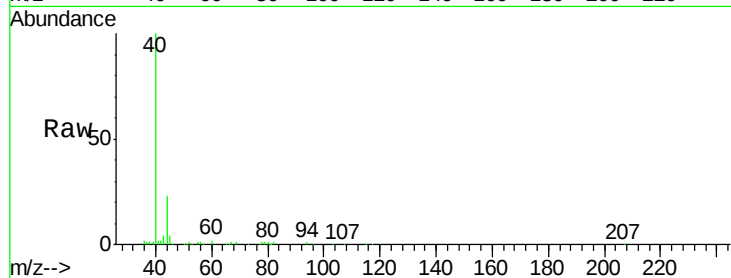




#13
Acrolein
Concen: 0.370 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.01 min
Lab File: VN054333.D
Acq: 16 Mar 2019 13:34

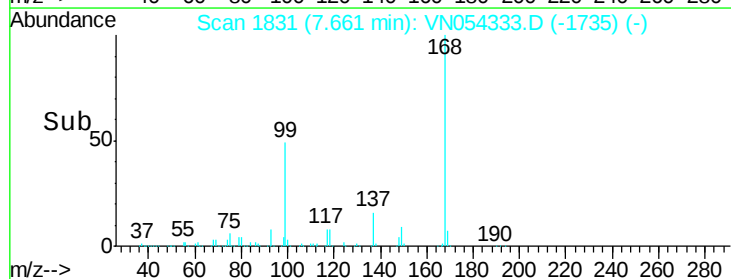
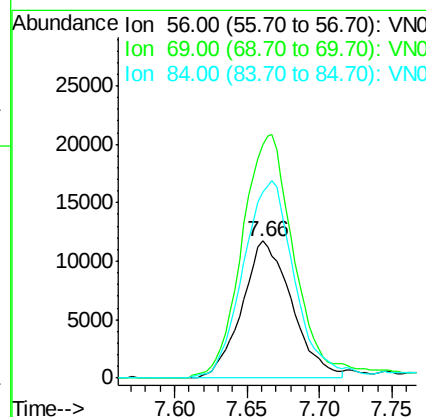
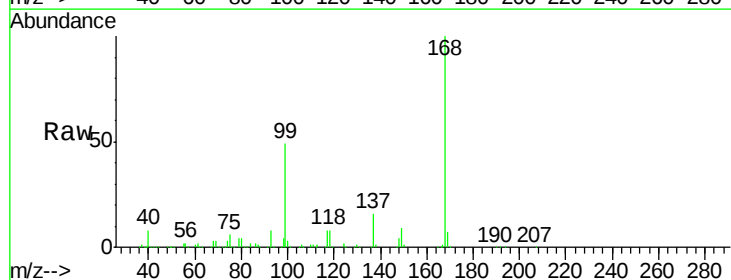
Instrument :
MSVOA_N
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STORAGE-BLANK-SOIL-REF-6

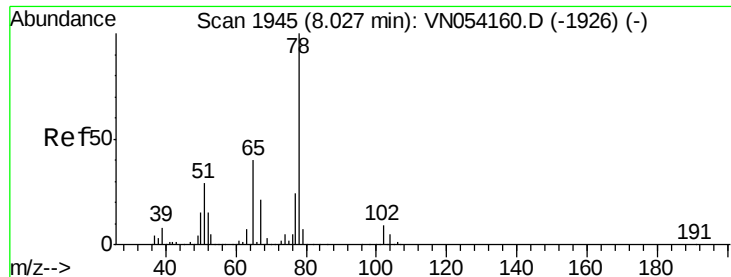
Tot Ion: 56 Resp: 484
Ion Ratio Lower Upper
56 100
55 43.6 56.7 85.1#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054333.D
Acq: 16 Mar 2019 13:34

Tgt Ion: 56 Resp: 28165
Ion Ratio Lower Upper
56 100
69 168.3 27.8 41.6#
84 134.8 74.6 111.8#

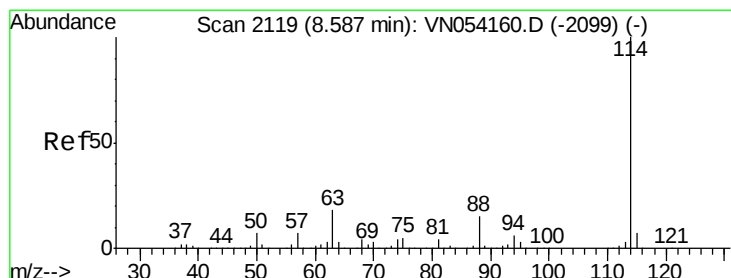
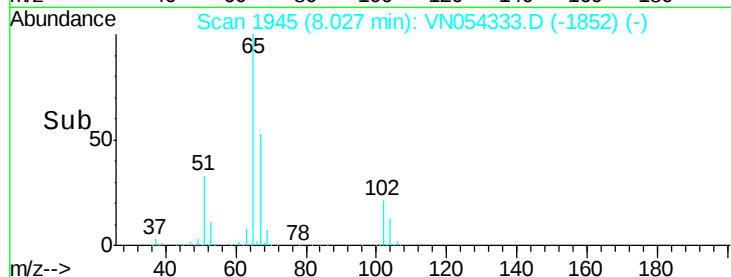
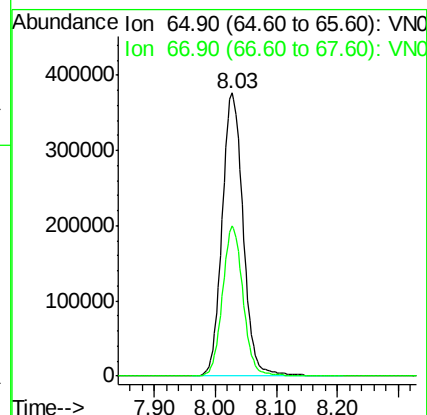
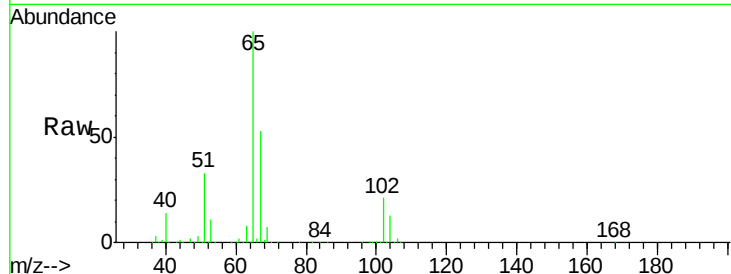




#33
 1,2-Dichloroethane-d4
 Concen: 44.785 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054333.D
 Acq: 16 Mar 2019 13:34

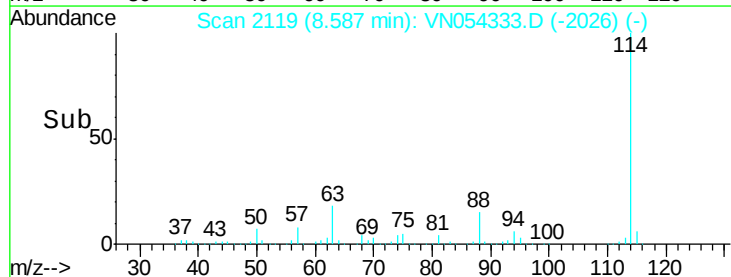
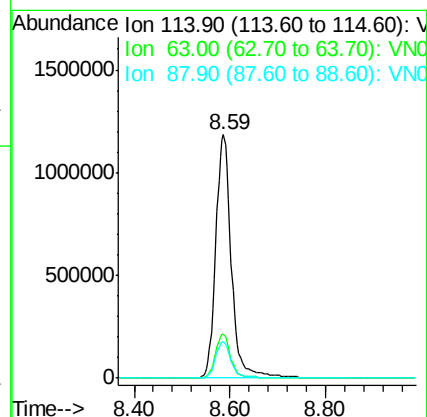
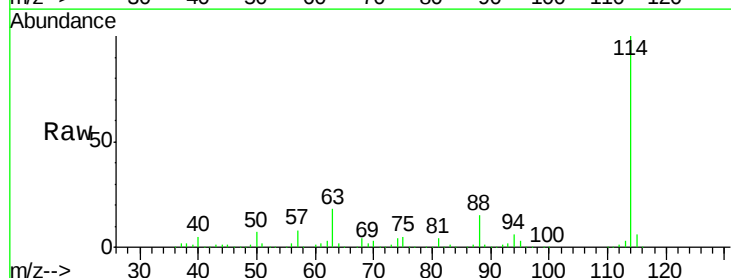
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

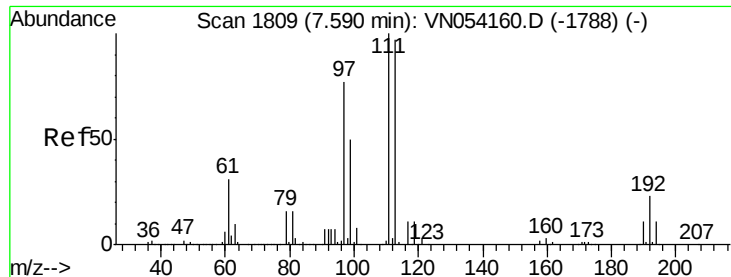
Tot Ion: 65 Resp: 900721
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054333.D
 Acq: 16 Mar 2019 13:34

Tgt Ion: 114 Resp: 2650359
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.2
 88 14.8 0.0 30.2

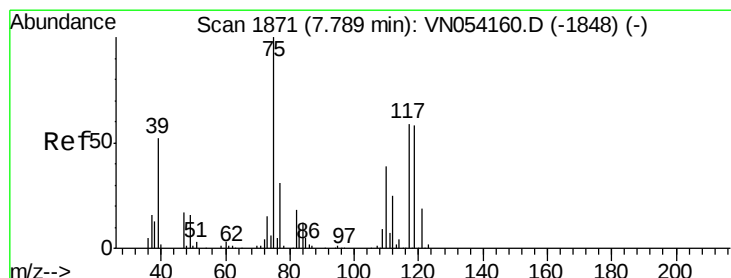
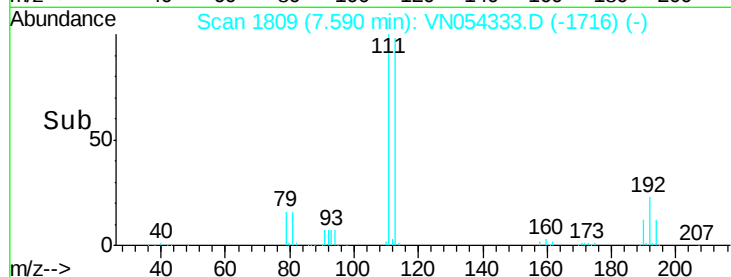
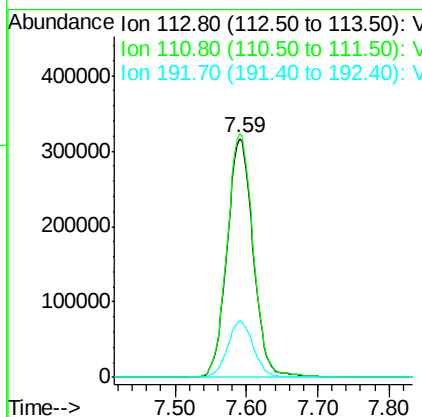
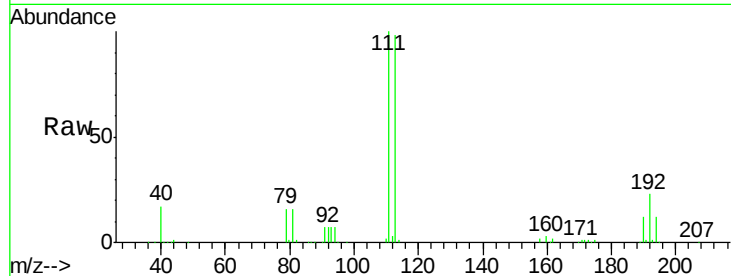




#35
Dibromofluoromethane
Concen: 47.333 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054333.D
Acq: 16 Mar 2019 13:34

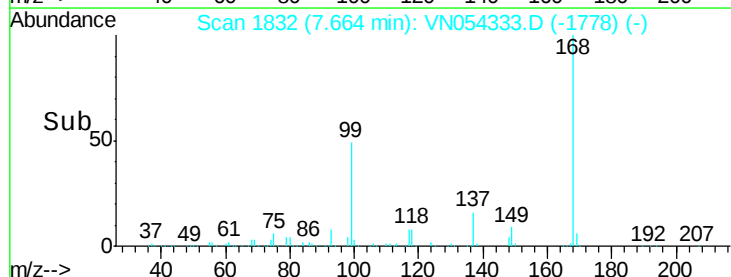
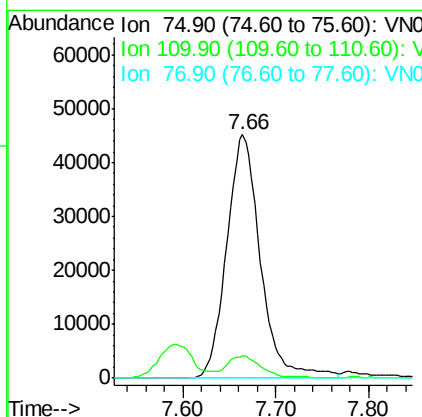
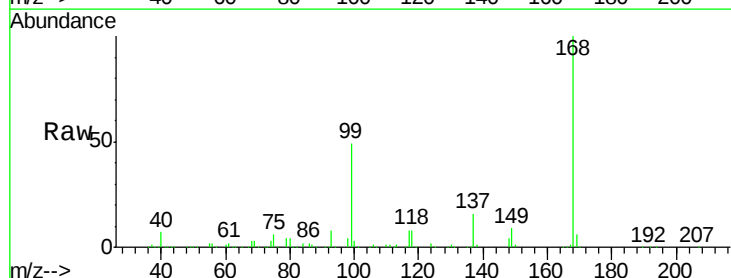
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

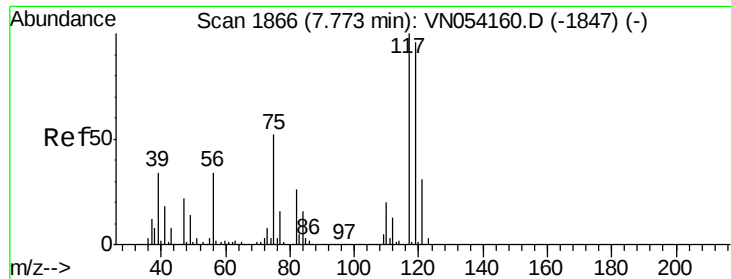
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	23.5	19.2	28.8



#36
1,1-Dichloropropene
Concen: 4.665 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN054333.D
Acq: 16 Mar 2019 13:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	19.1	57.5#
77	0.1	25.0	37.4#

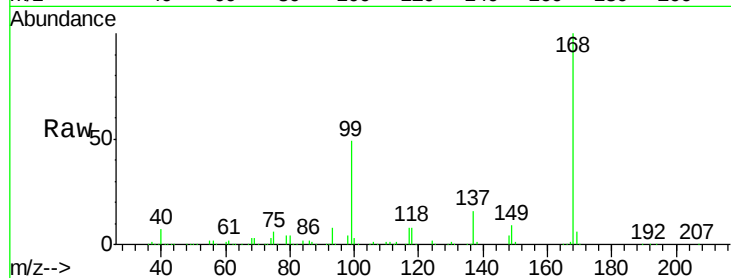




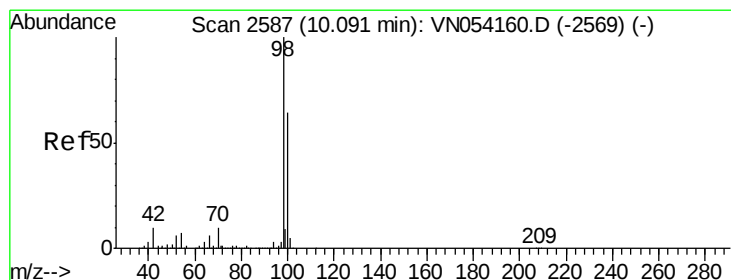
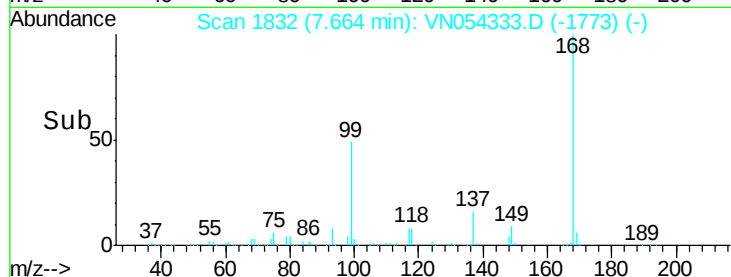
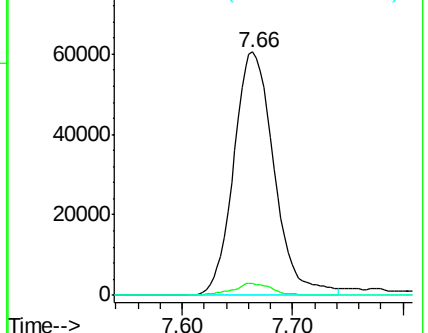
#38
Carbon Tetrachloride
Concen: 5.996 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054333.D
Acq: 16 Mar 2019 13:34

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

Tot Ion:117 Resp: 153480
Ion Ratio Lower Upper
117 100
119 4.8 76.3 114.5#
121 0.0 24.6 36.8#

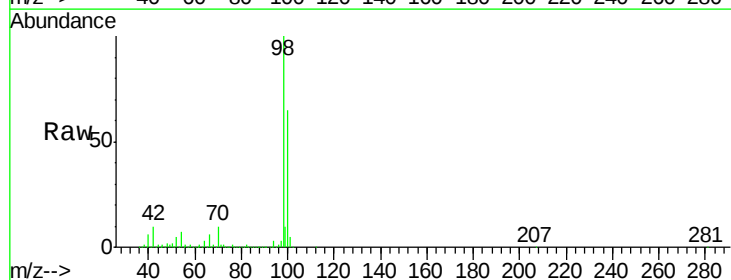


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

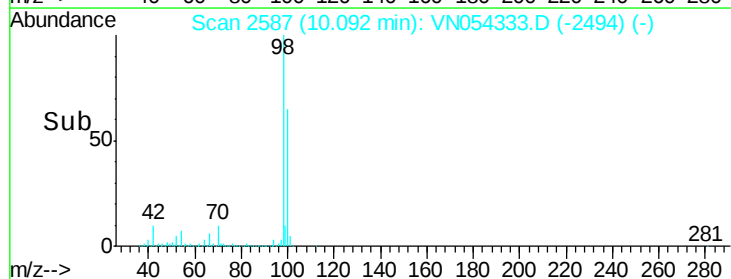
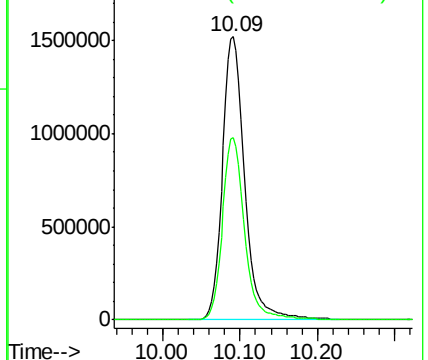


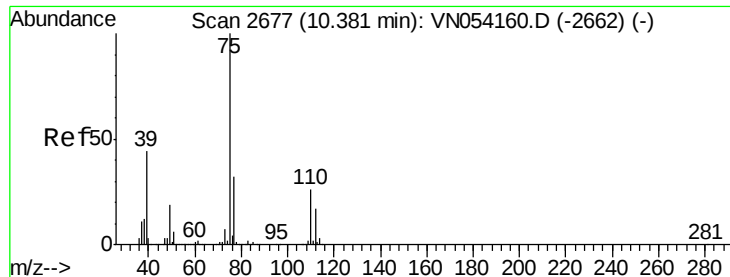
#50
Toluene-d8
Concen: 48.401 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054333.D
Acq: 16 Mar 2019 13:34

Tgt Ion: 98 Resp: 3055547
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#53

t-1,3-Dichloropropene

Concen: 1.998 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054333.D

Acq: 16 Mar 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

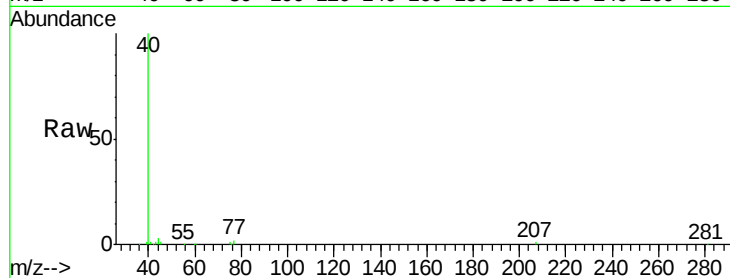
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 348

Ion Ratio Lower Upper

75 100

77 111.1 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

1500

1000

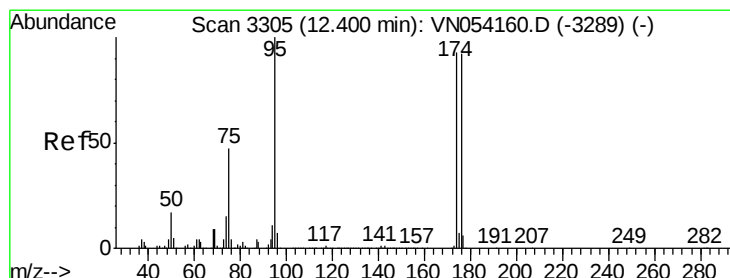
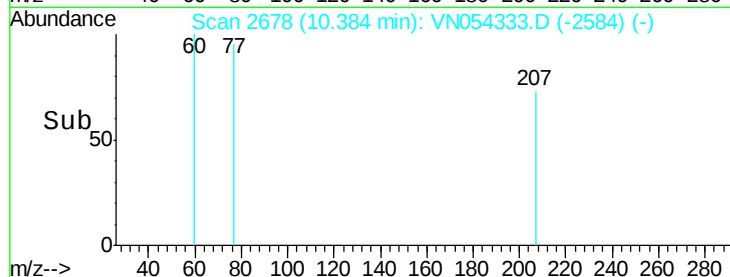
500

0

10.36 10.38 10.40

10.38

Time-->



#62

4-Bromofluorobenzene

Concen: 41.451 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054333.D

Acq: 16 Mar 2019 13:34

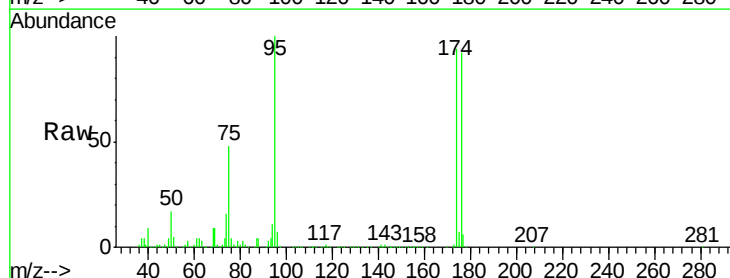
Tgt Ion: 95 Resp: 915623

Ion Ratio Lower Upper

95 100

174 96.8 0.0 191.0

176 93.8 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

600000

400000

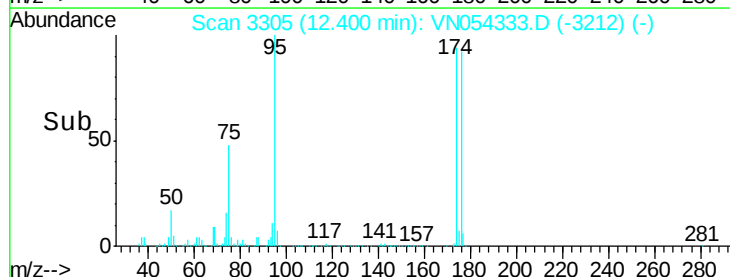
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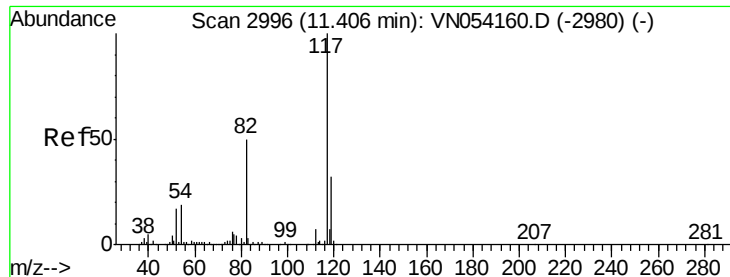
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12.30 12.40 12.50

12.40

Time-->

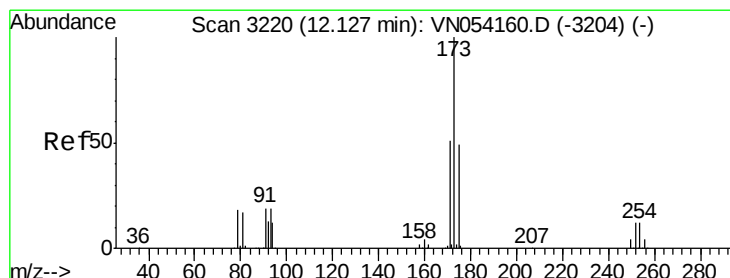
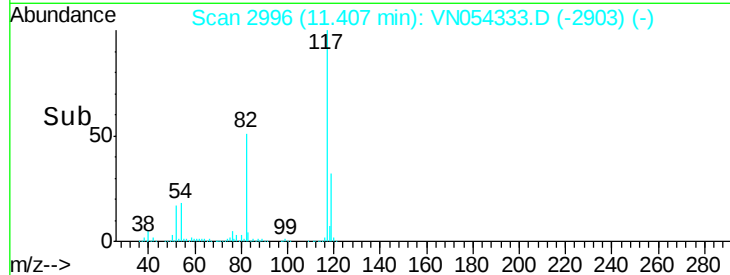
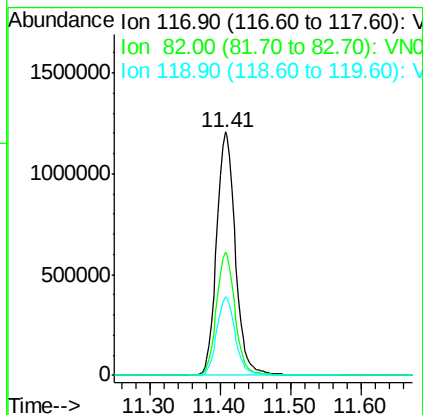
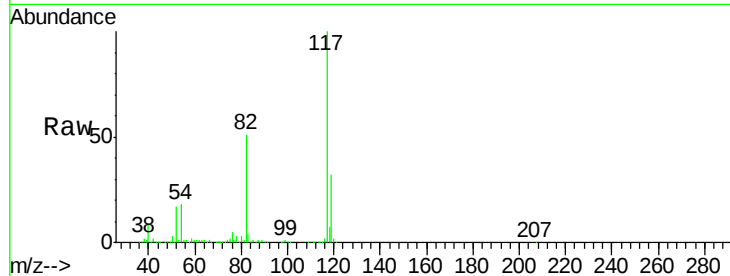




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054333.D
Acq: 16 Mar 2019 13:34

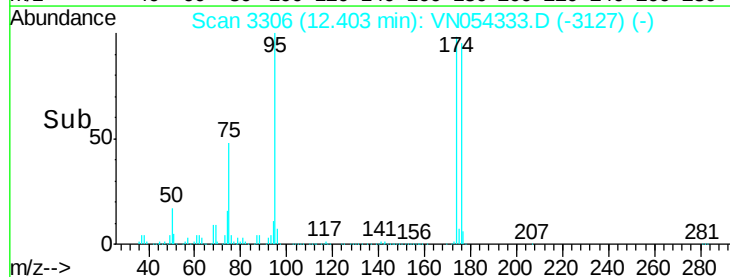
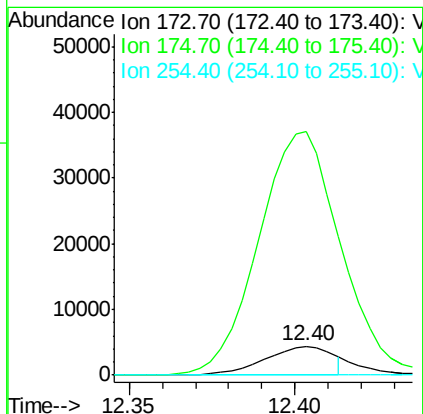
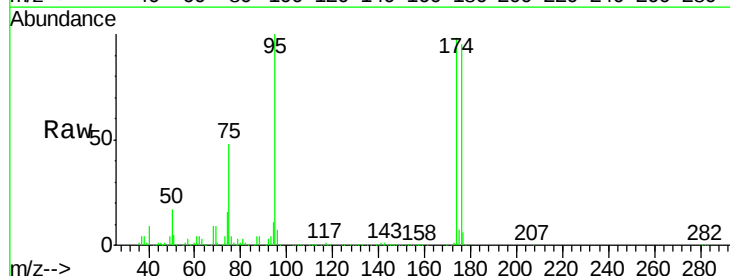
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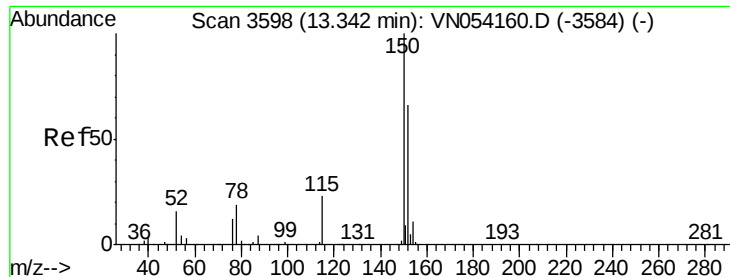
Tot Ion:117 Resp: 2225387
Ion Ratio Lower Upper
117 100
82 50.8 40.0 60.0
119 32.1 25.8 38.6



#71
Bromoform
Concen: 2.783 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054333.D
Acq: 16 Mar 2019 13:34

Tgt Ion:173 Resp: 6138
Ion Ratio Lower Upper
173 100
175 903.1 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054333.D

Acq: 16 Mar 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

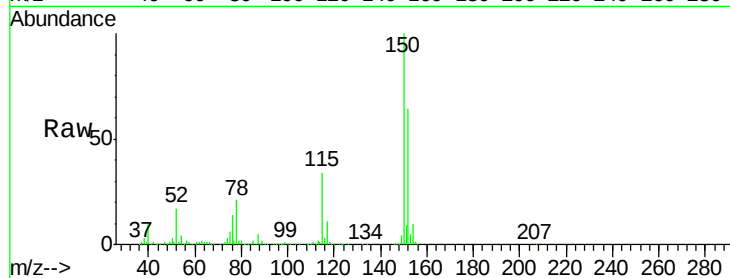
Tot Ion:152 Resp: 807745

Ion Ratio Lower Upper

152 100

115 54.8 27.2 81.6

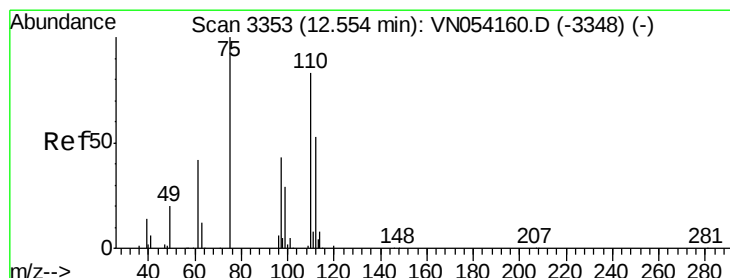
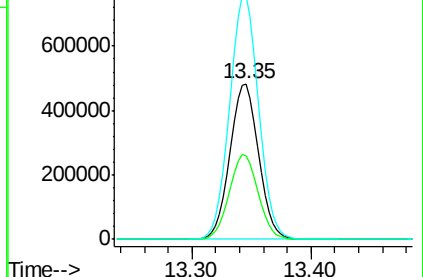
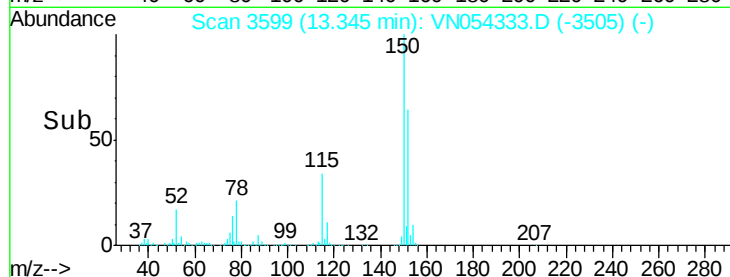
150 158.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 37.226 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054333.D

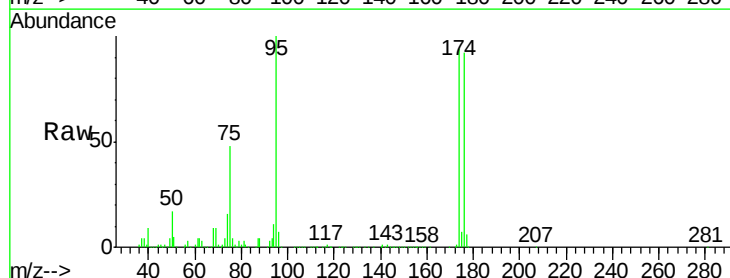
Acq: 16 Mar 2019 13:34

Tgt Ion: 75 Resp: 442179

Ion Ratio Lower Upper

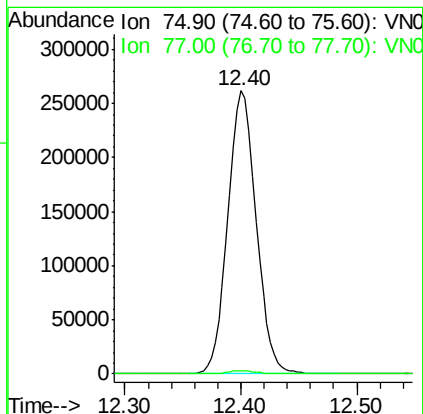
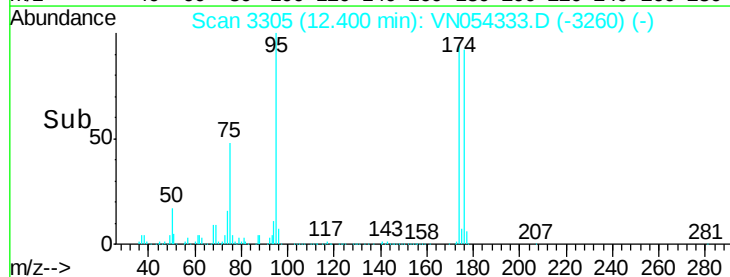
75 100

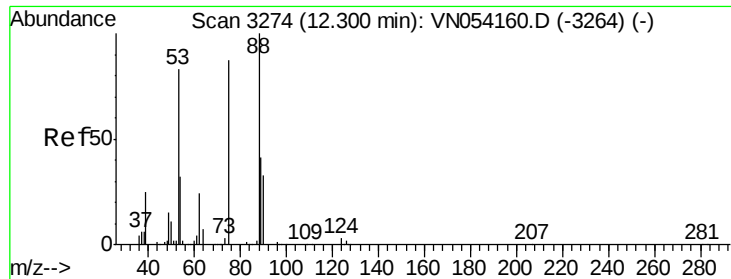
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 127.255 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054333.D

Acq: 16 Mar 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

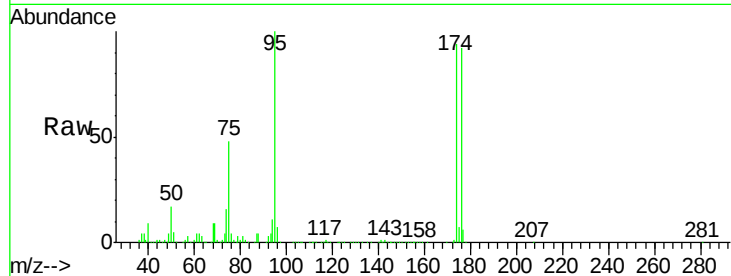
Tot Ion: 75 Resp: 442179

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

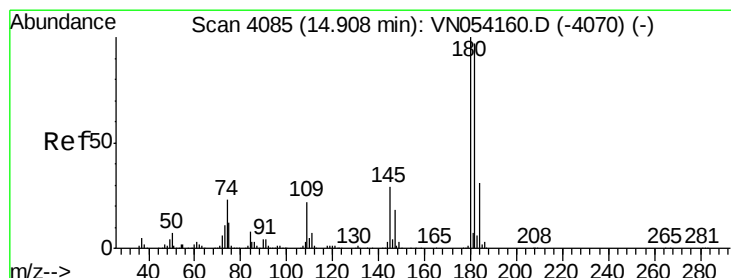
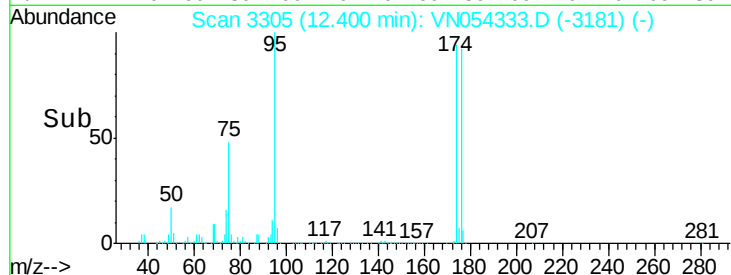
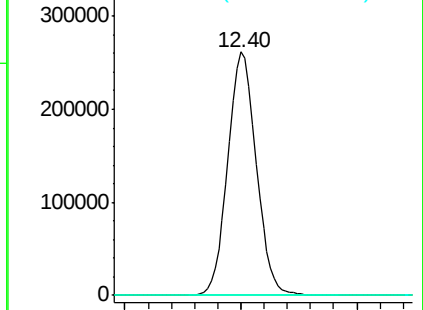
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN054160.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN054160.D (-3264) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.554 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN054333.D

Acq: 16 Mar 2019 13:34

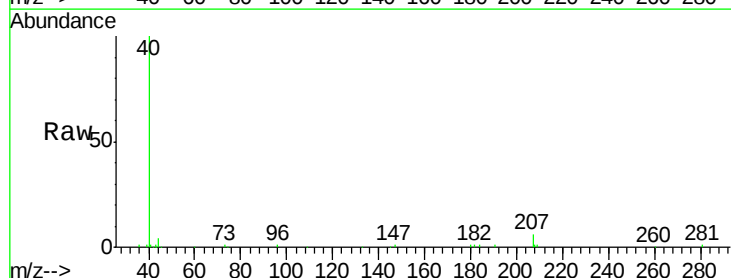
Tgt Ion:180 Resp: 668

Ion Ratio Lower Upper

180 100

182 0.0 48.0 144.2#

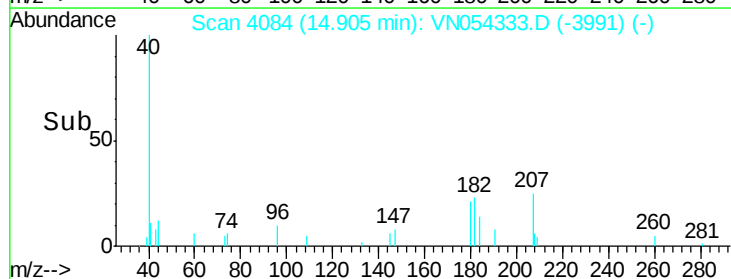
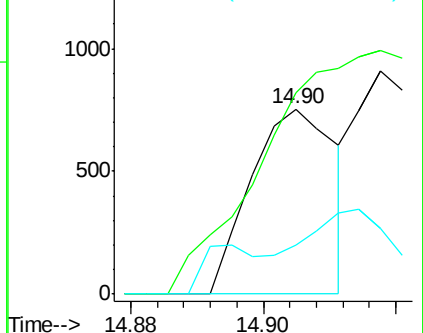
145 15.7 14.2 42.8

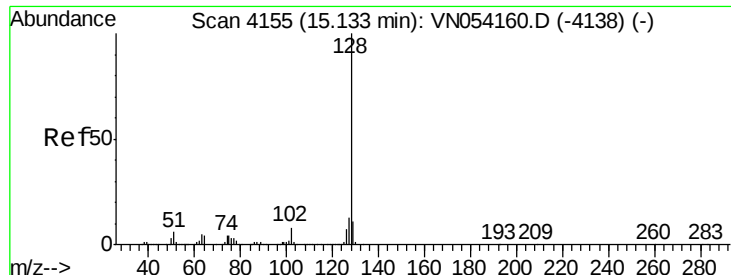


Abundance Ion 179.80 (179.50 to 180.50): VN054160.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN054160.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN054160.D (-4070) (-)

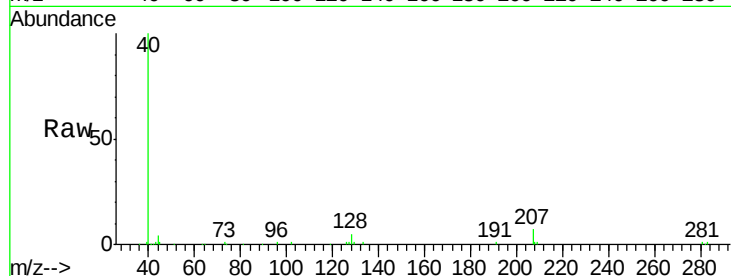




#95
Naphthalene
Concen: 3.600 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN054333.D
Acq: 16 Mar 2019 13:34

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.8	10.1	15.1#
129	11.2	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

