

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010529.D
 Acq On : 28 Jun 2019 12:17
 Operator : JC/SP
 Sample : K3595-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jun 29 04:36:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	262234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	395184	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	354691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167755	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	120319	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
35) Dibromofluoromethane	5.50	113	120486	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	8.71	98	461413	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.13	95	152879	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	

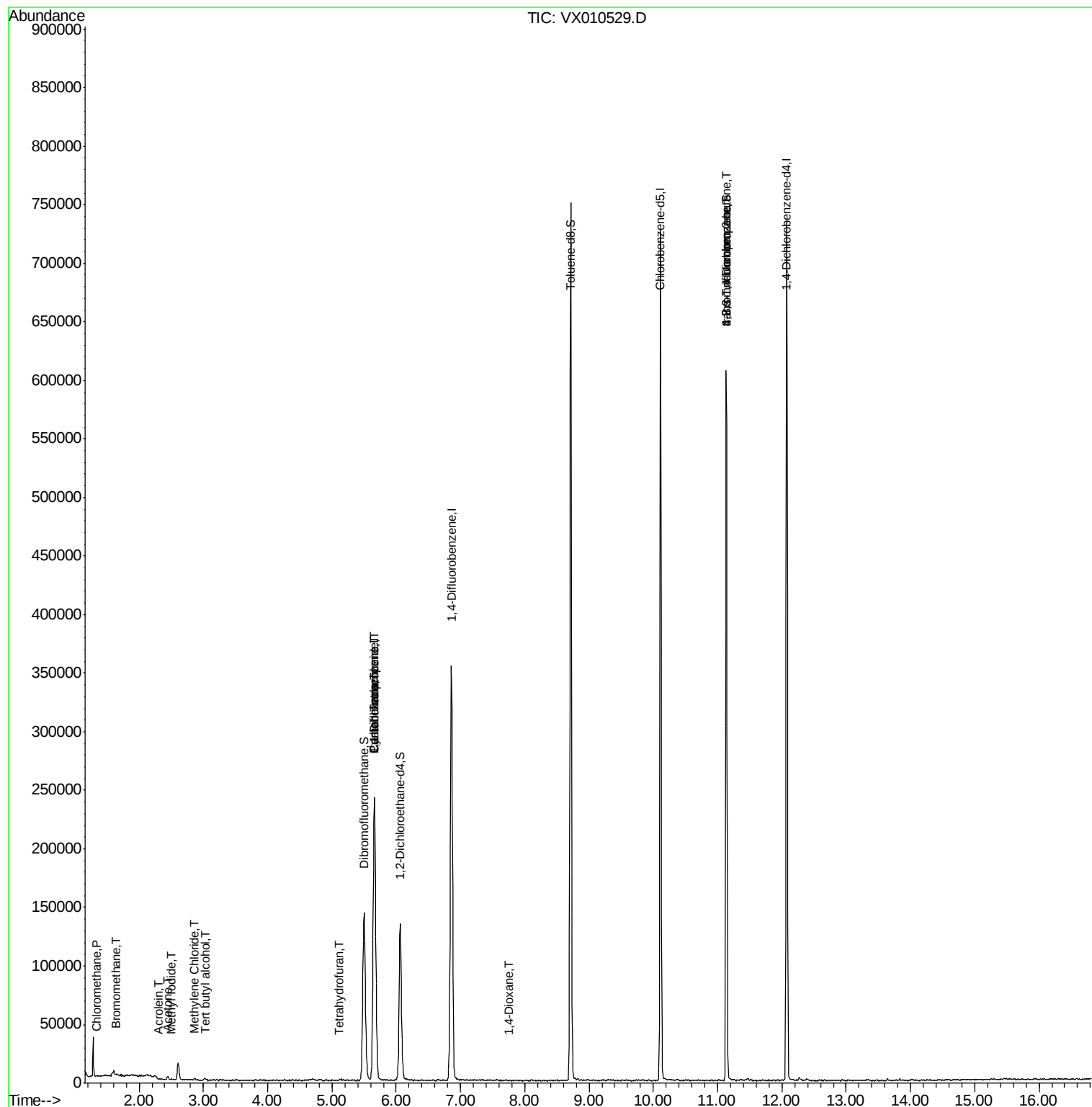
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	616	0.290	ug/l #	72
5) Bromomethane	1.65	94	567	0.501	ug/l #	61
10) Methyl Iodide	2.51	142	808	0.253	ug/l #	69
11) Tert butyl alcohol	3.03	59	674	1.048	ug/l #	91
13) Acrolein	2.30	56	348	0.815	ug/l #	73
16) Acetone	2.45	43	3543	2.875	ug/l	95
20) Methylene Chloride	2.86	84	755	0.298	ug/l #	63
29) Tetrahydrofuran	5.12	42	275	0.246	ug/l #	54
31) Cyclohexane	5.66	56	4884	1.375	ug/l #	17
36) 1,1-Dichloropropene	5.66	75	15685	4.995	ug/l #	49
38) Carbon Tetrachloride	5.66	117	23106	6.795	ug/l #	15
49) 1,4-Dioxane	7.76	88	19	0.265	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	71985	23.548	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71985	54.935	ug/l #	16

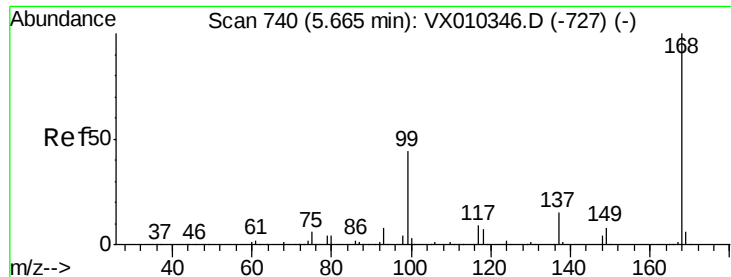
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062819\
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Quant Time: Jun 29 04:36:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010529.D

Acq: 28 Jun 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

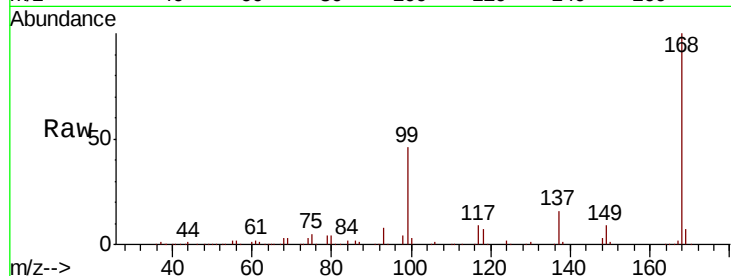
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 262234

Ion Ratio Lower Upper

168 100

99 45.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

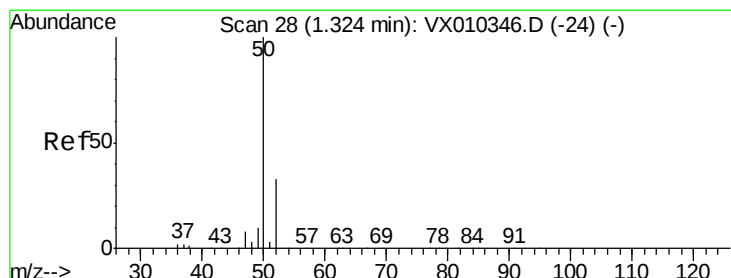
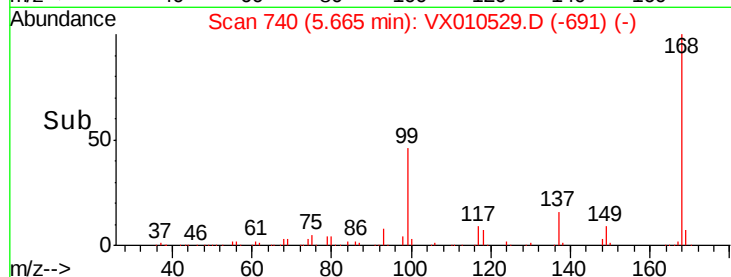
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.290 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010529.D

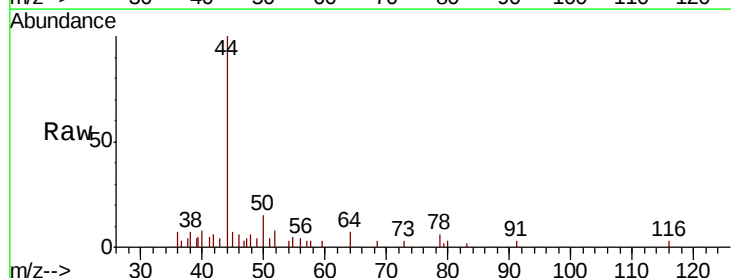
Acq: 28 Jun 2019 12:17

Tgt Ion: 50 Resp: 616

Ion Ratio Lower Upper

50 100

52 48.9 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

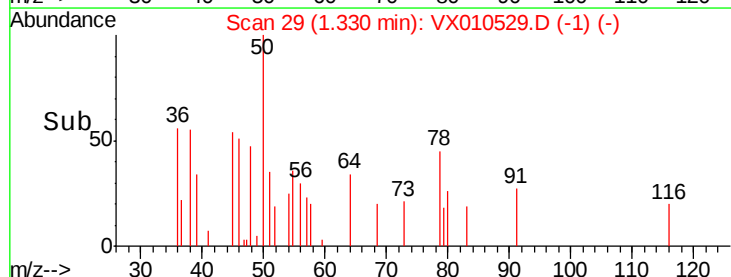
300

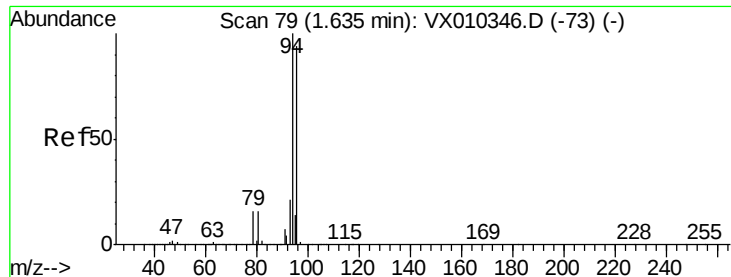
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.501 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010529.D

Acq: 28 Jun 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

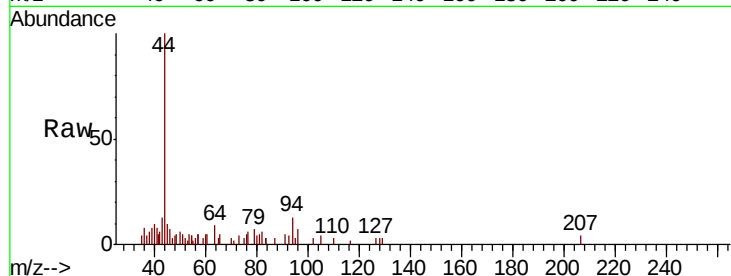
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 94 Resp: 567

Ion Ratio Lower Upper

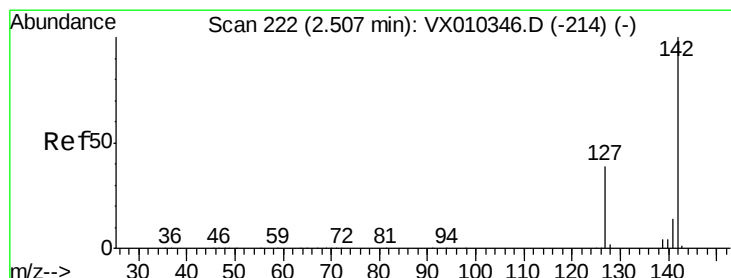
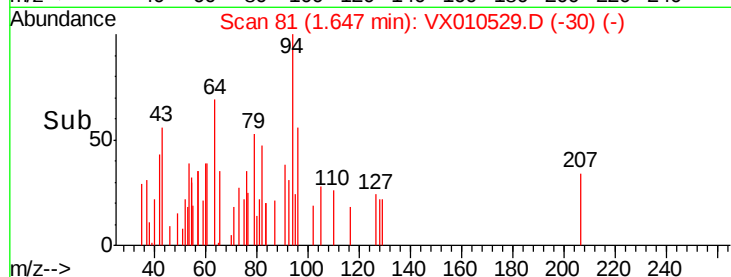
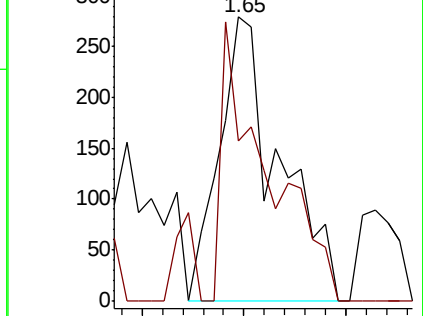
94 100

96 56.3 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.253 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010529.D

Acq: 28 Jun 2019 12:17

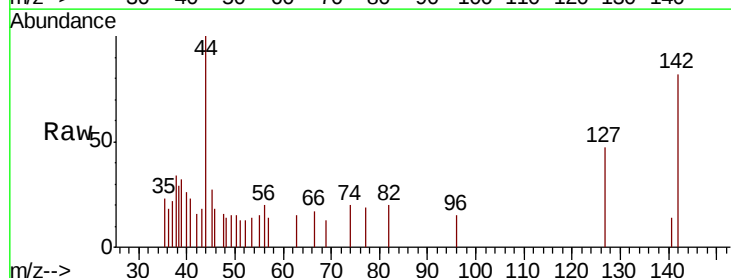
Tgt Ion:142 Resp: 808

Ion Ratio Lower Upper

142 100

127 59.2 31.1 46.7#

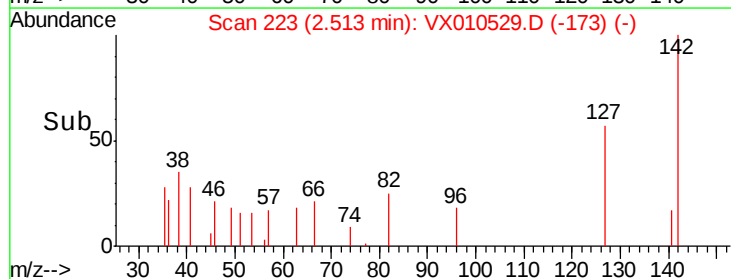
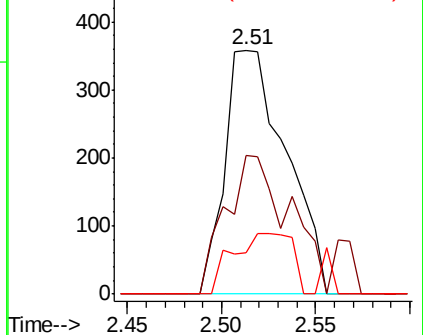
141 24.0 11.2 16.8#

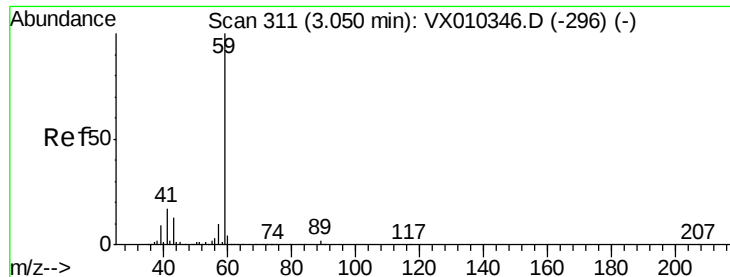


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



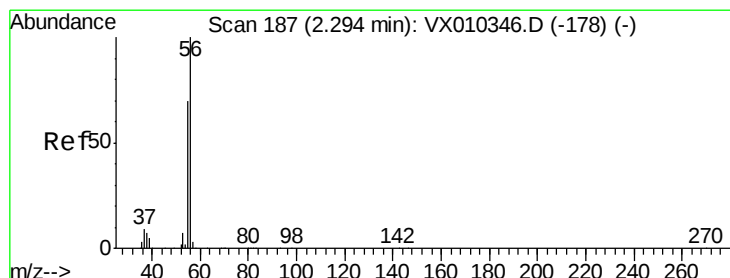
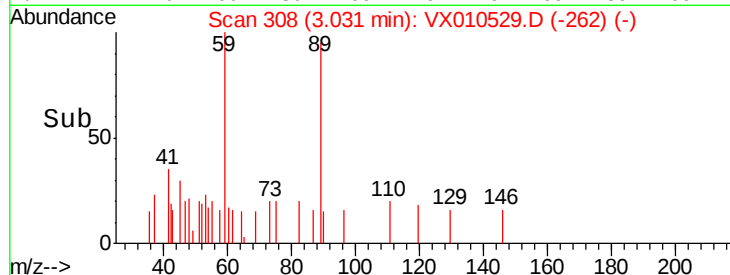
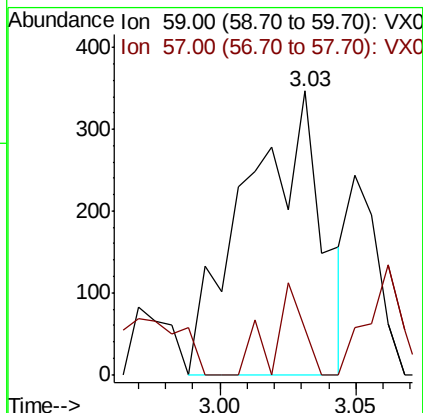
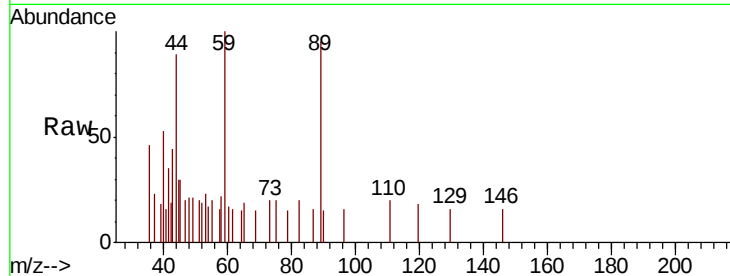


#11

Tert butyl alcohol
Concen: 1.048 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX010529.D
Acq: 28 Jun 2019 12:17

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

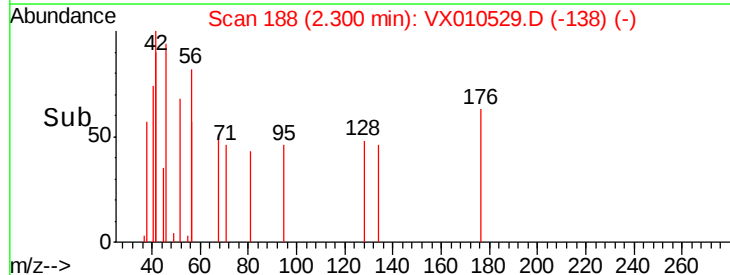
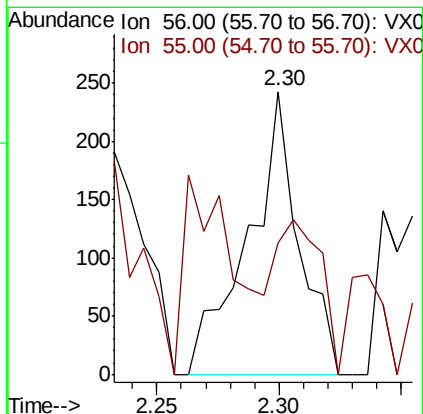
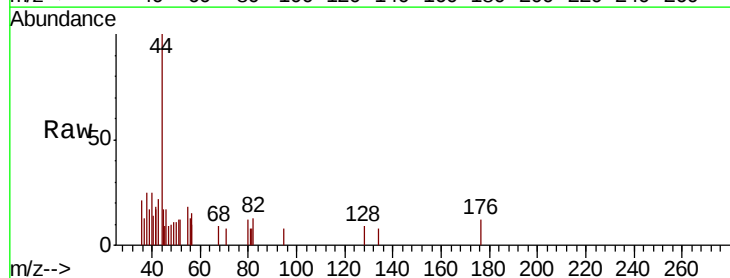
Tot Ion: 59 Resp: 674
Ion Ratio Lower Upper
59 100
57 12.8 7.7 11.5#

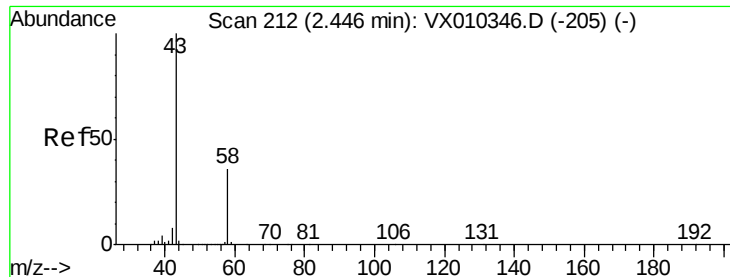


#13

Acrolein
Concen: 0.815 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX010529.D
Acq: 28 Jun 2019 12:17

Tgt Ion: 56 Resp: 348
Ion Ratio Lower Upper
56 100
55 48.9 56.9 85.3#

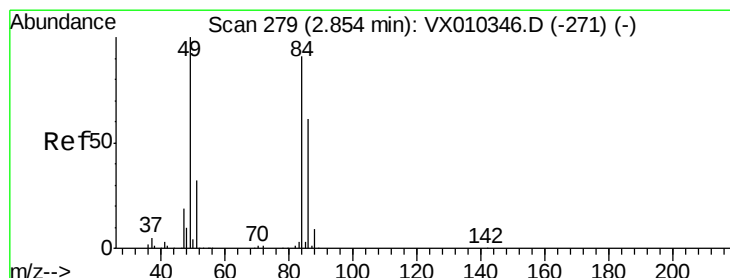
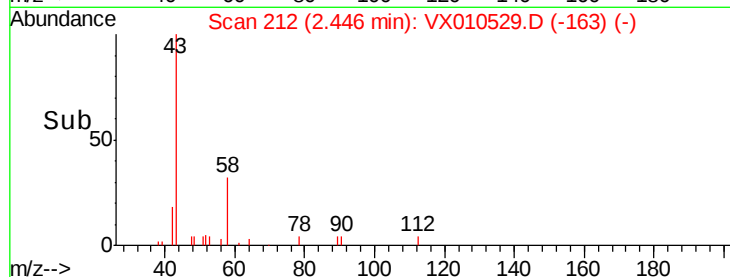
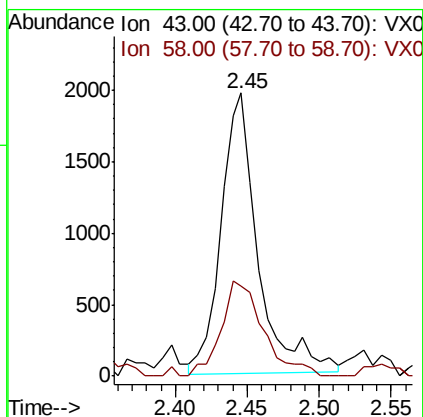
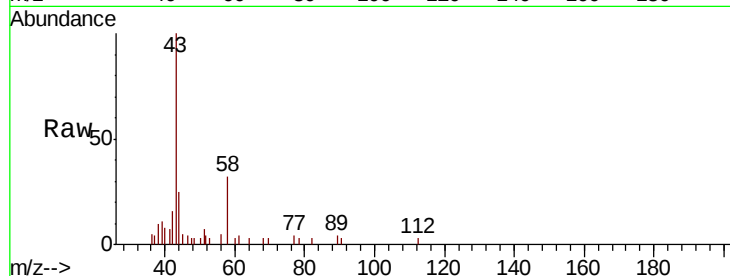




#16
Acetone
Concen: 2.875 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX010529.D
Acq: 28 Jun 2019 12:17

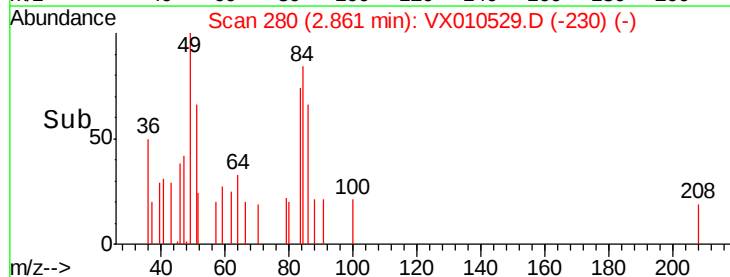
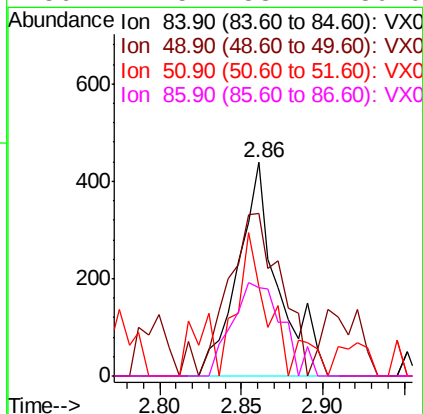
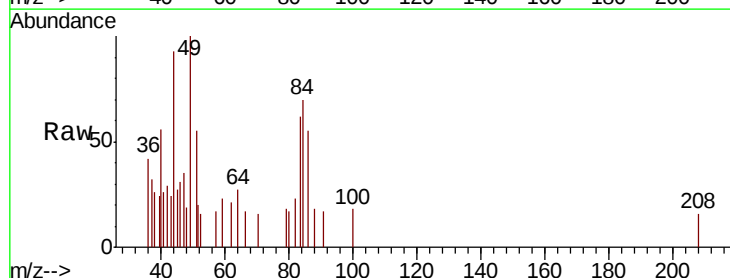
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

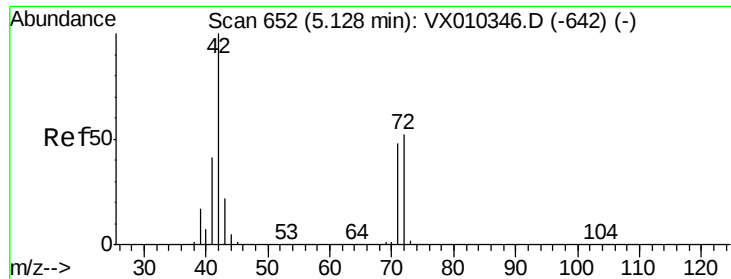
Tot Ion: 43 Resp: 3543
Ion Ratio Lower Upper
43 100
58 33.4 28.9 43.3



#20
Methylene Chloride
Concen: 0.298 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010529.D
Acq: 28 Jun 2019 12:17

Tgt Ion: 84 Resp: 755
Ion Ratio Lower Upper
84 100
49 59.9 87.5 131.3#
51 43.3 27.7 41.5#
86 41.5 53.4 80.0#

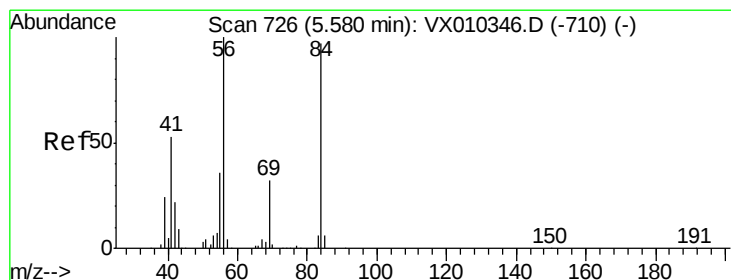
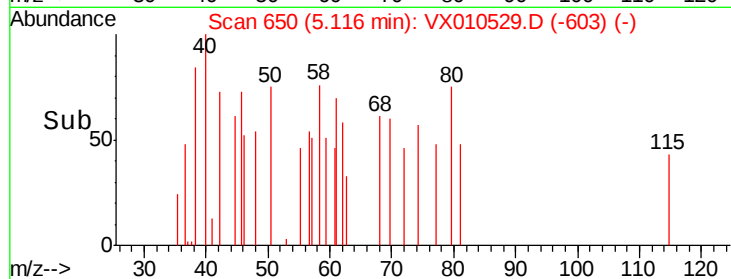
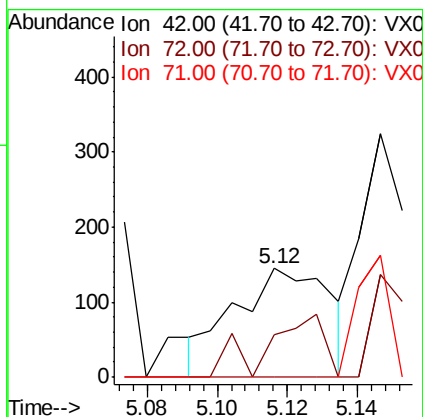
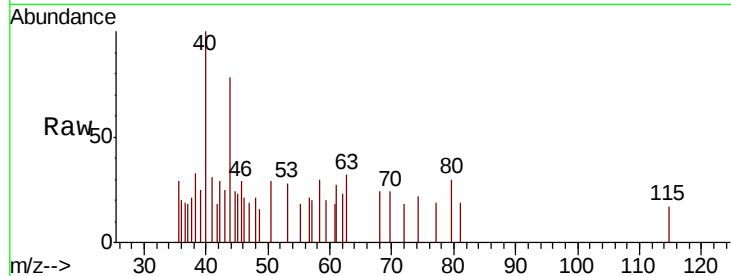




#29
Tetrahydrofuran
Concen: 0.246 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX010529.D
Acq: 28 Jun 2019 12:17

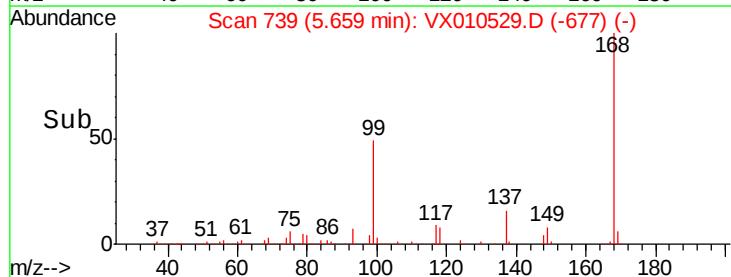
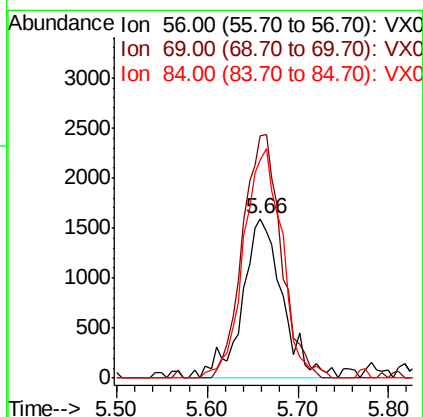
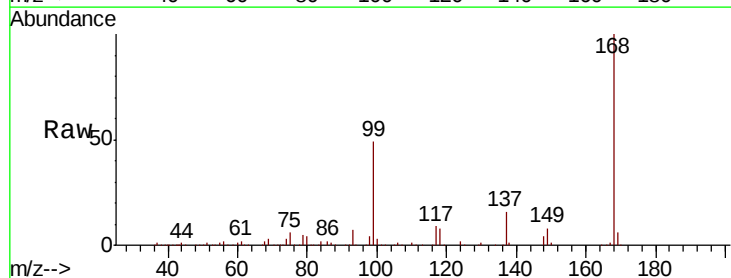
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

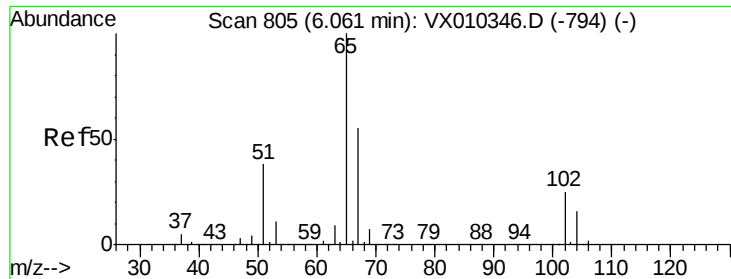
Tot Ion: 42 Resp: 275
Ion Ratio Lower Upper
42 100
72 34.9 40.6 60.8#
71 0.0 37.8 56.8#



#31
Cyclohexane
Concen: 1.375 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010529.D
Acq: 28 Jun 2019 12:17

Tgt Ion: 56 Resp: 4884
Ion Ratio Lower Upper
56 100
69 152.2 25.9 38.9#
84 137.0 78.0 117.0#

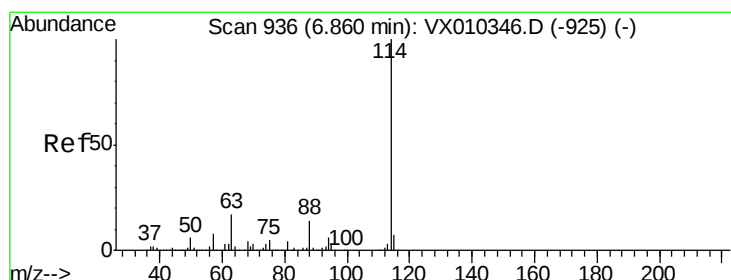
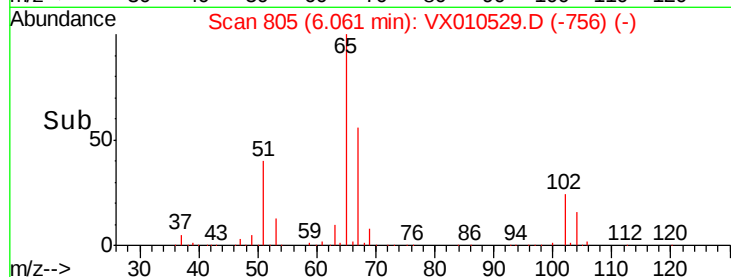
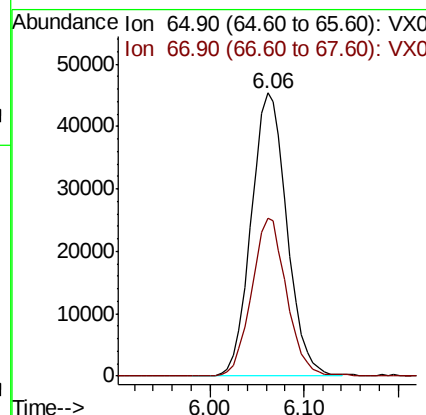
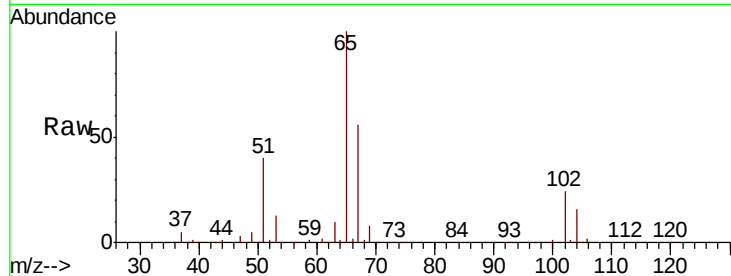




#33
 1,2-Dichloroethane-d4
 Concen: 48.936 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010529.D
 Acq: 28 Jun 2019 12:17

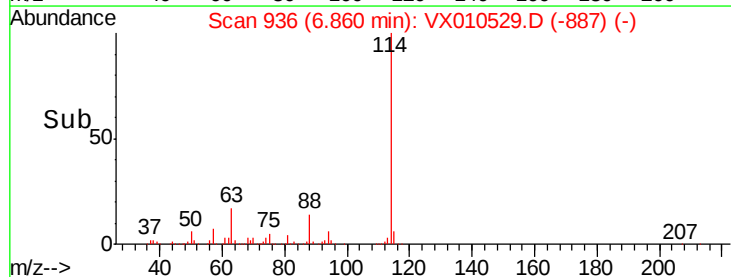
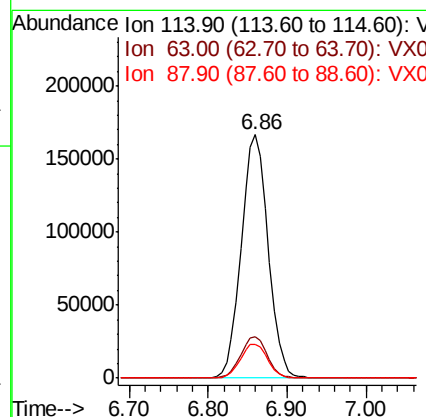
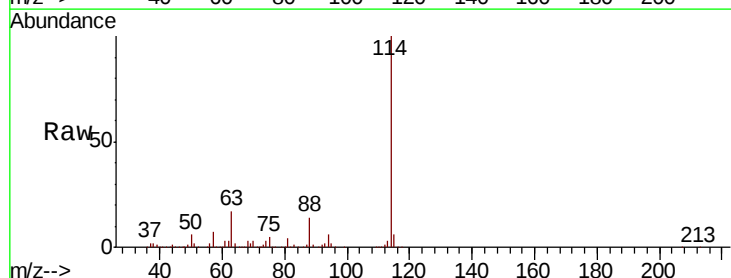
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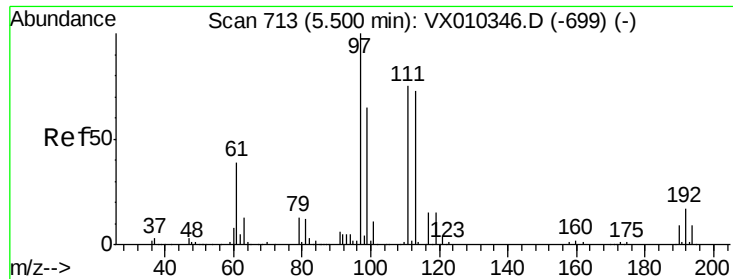
Tot Ion: 65 Resp: 120319
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010529.D
 Acq: 28 Jun 2019 12:17

Tgt Ion: 114 Resp: 395184
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 33.8
 88 13.9 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.831 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010529.D

Acq: 28 Jun 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

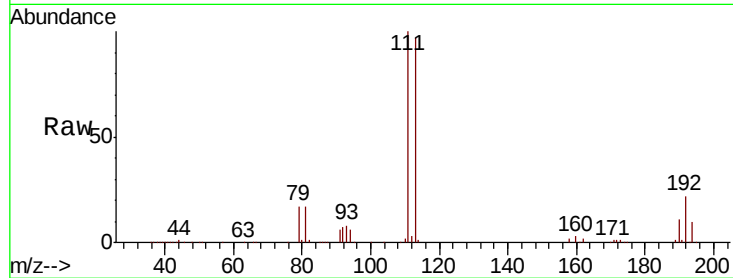
Tot Ion:113 Resp: 120486

Ion Ratio Lower Upper

113 100

111 102.2 81.2 121.8

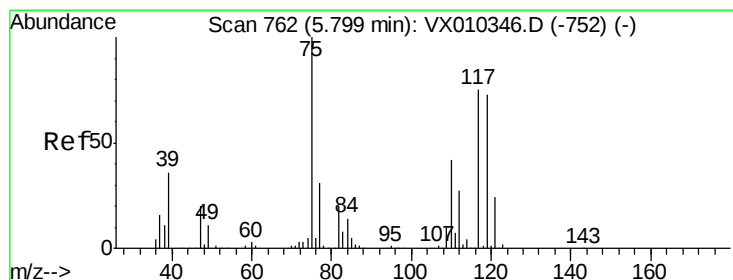
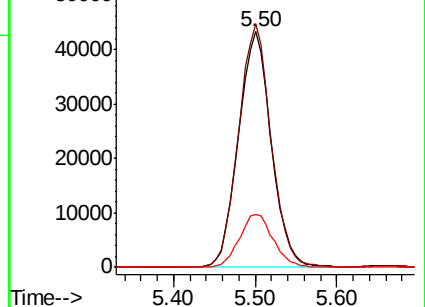
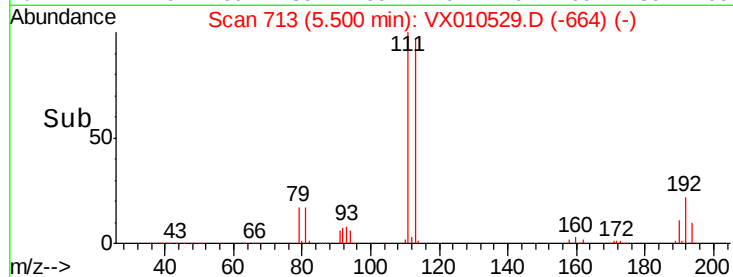
192 23.1 18.6 27.8



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: 4.995 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010529.D

Acq: 28 Jun 2019 12:17

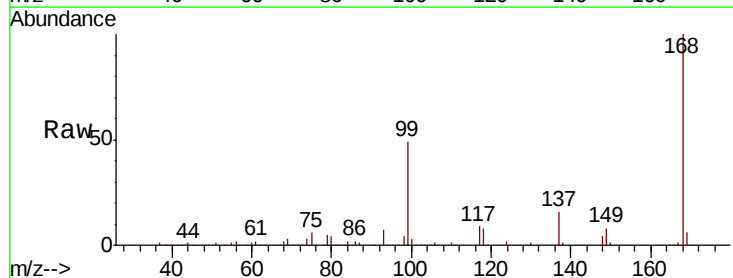
Tgt Ion: 75 Resp: 15685

Ion Ratio Lower Upper

75 100

110 11.5 20.8 62.2#

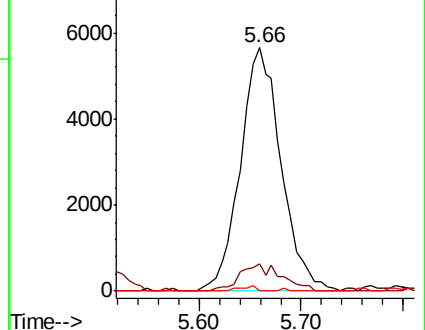
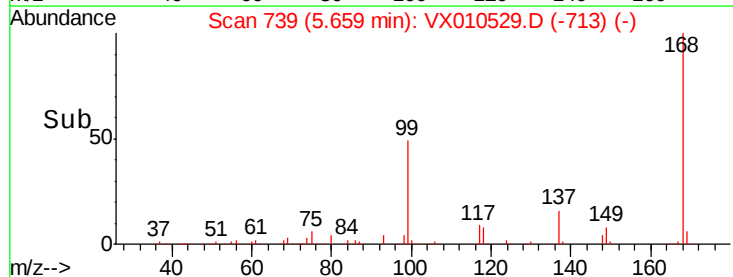
77 0.7 25.4 38.0#

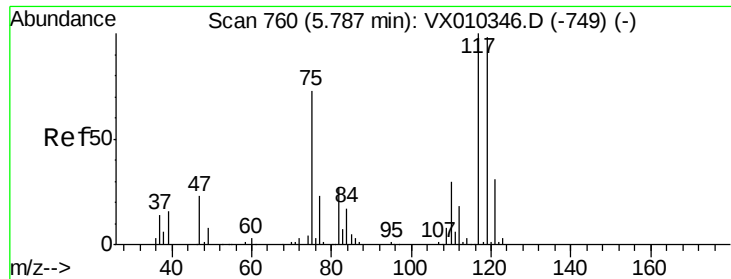


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.795 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010529.D

Acq: 28 Jun 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

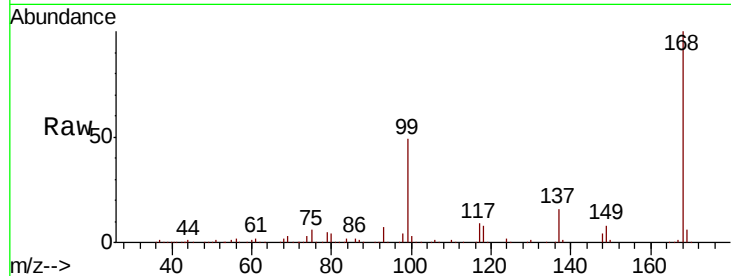
Tot Ion:117 Resp: 23106

Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.4#

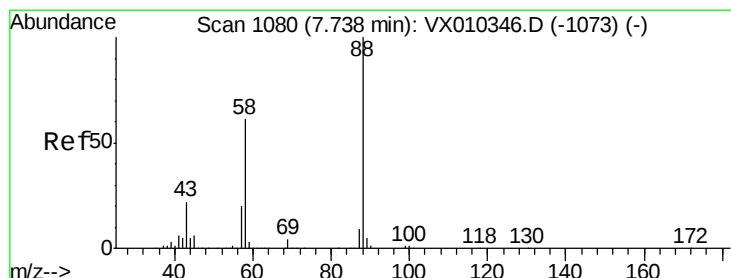
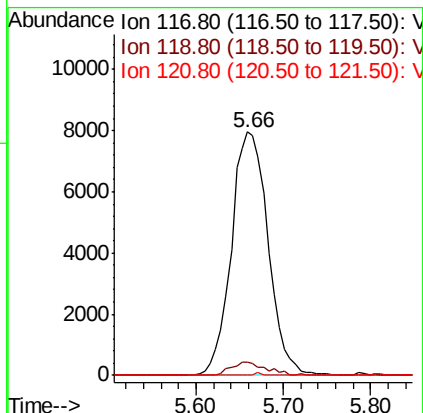
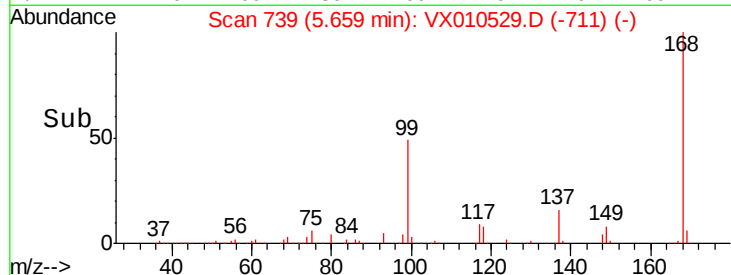
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.265 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX010529.D

Acq: 28 Jun 2019 12:17

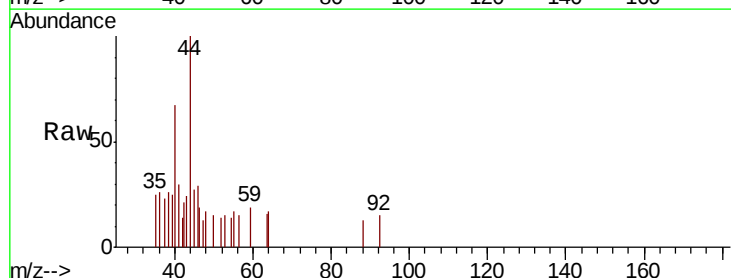
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 621.1 20.2 30.2#

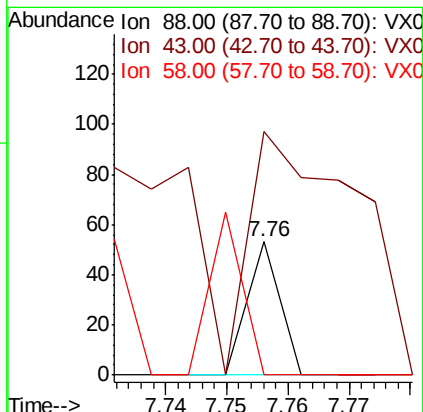
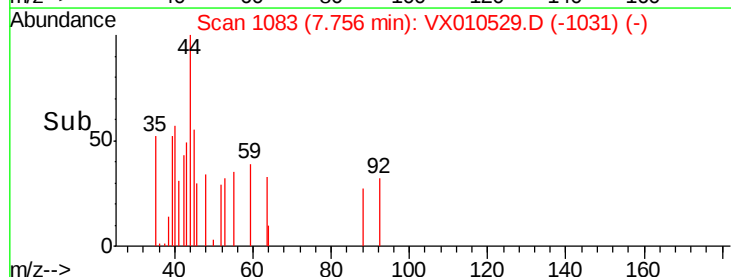
58 126.3 49.5 74.3#

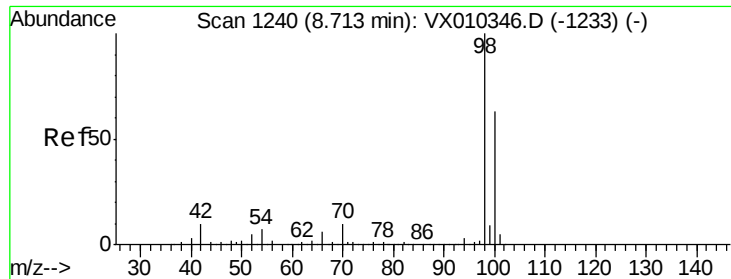


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

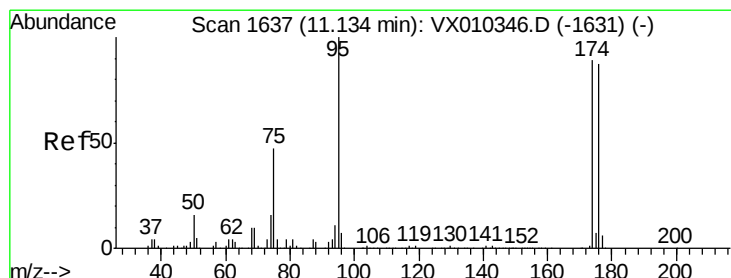
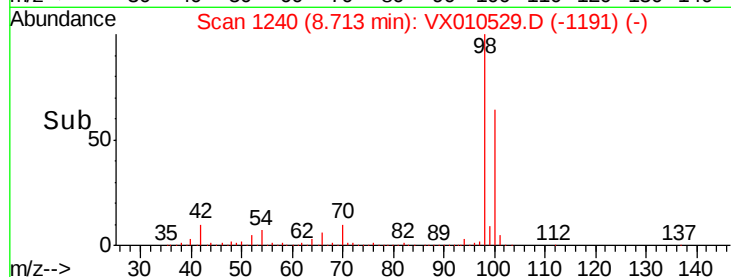
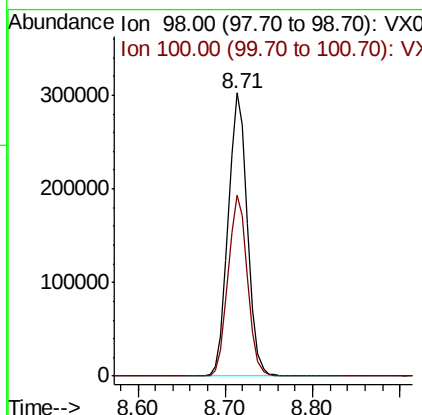
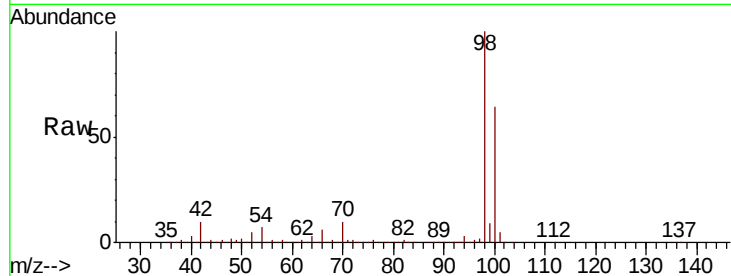




#50
Toluene-d8
Concen: 49.881 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010529.D
Acq: 28 Jun 2019 12:17

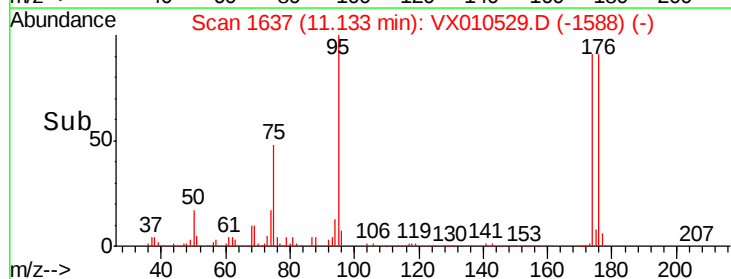
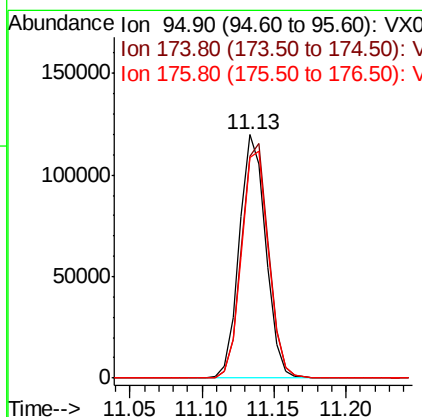
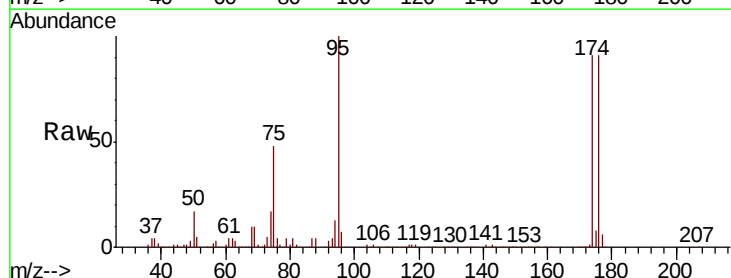
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

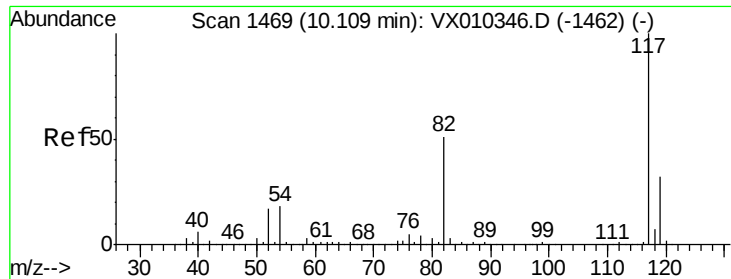
Tot Ion: 98 Resp: 461413
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 45.777 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010529.D
Acq: 28 Jun 2019 12:17

Tgt Ion: 95 Resp: 152879
Ion Ratio Lower Upper
95 100
174 98.1 0.0 187.6
176 95.7 0.0 184.0

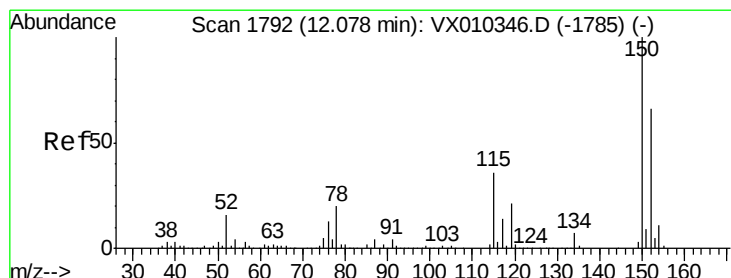
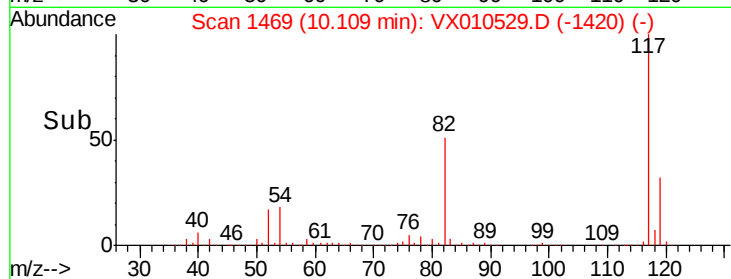
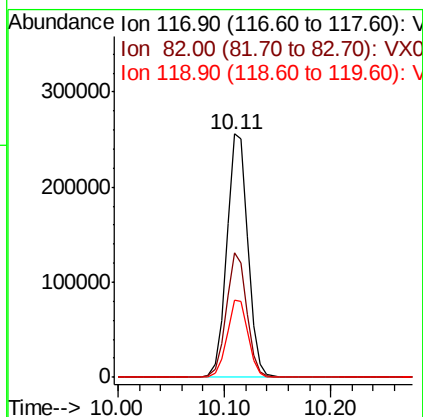
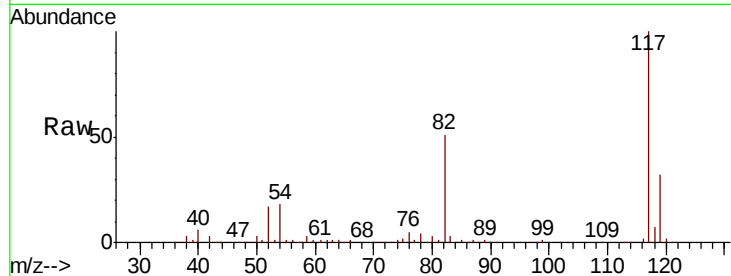




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010529.D
Acq: 28 Jun 2019 12:17

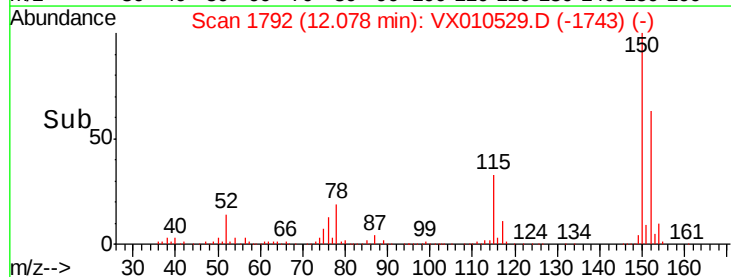
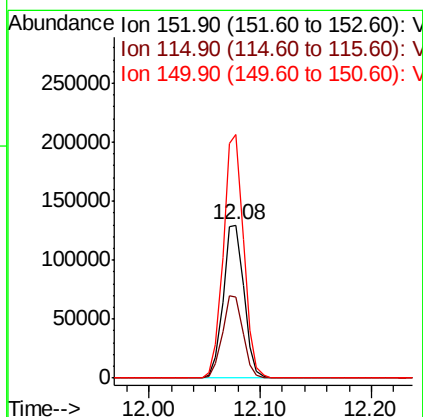
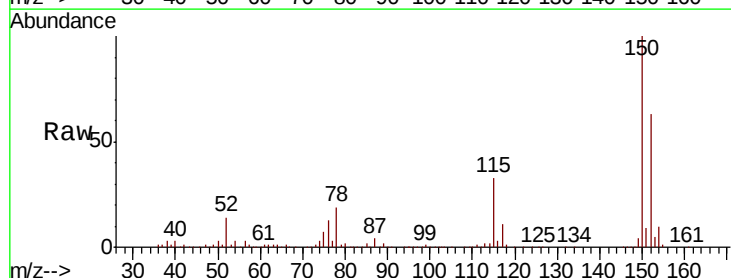
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

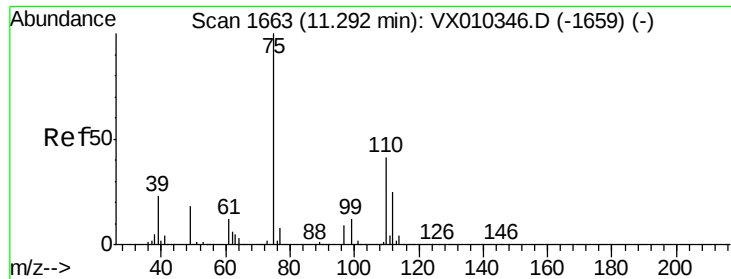
Tot Ion:117 Resp: 354691
Ion Ratio Lower Upper
117 100
82 51.2 41.2 61.8
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010529.D
Acq: 28 Jun 2019 12:17

Tgt Ion:152 Resp: 167755
Ion Ratio Lower Upper
152 100
115 53.5 38.6 115.7
150 155.5 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 23.548 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010529.D

Acq: 28 Jun 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

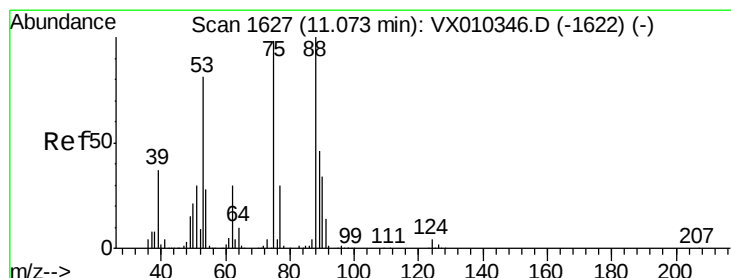
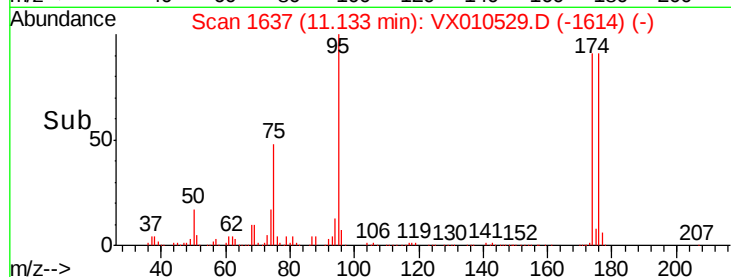
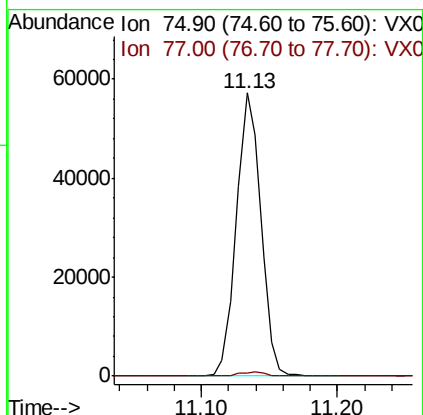
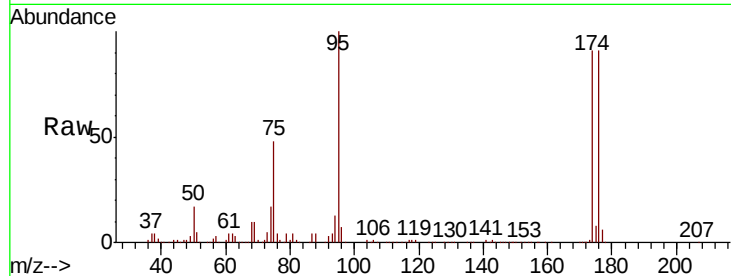
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 71985

Ion Ratio Lower Upper

75 100

77 1.6 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.935 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010529.D

Acq: 28 Jun 2019 12:17

Tgt Ion: 75 Resp: 71985

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

