

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050619\
 Data File : VX009341.D
 Acq On : 06 May 2019 11:34
 Operator : JC/SP
 Sample : K2685-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: May 07 06:33:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	198824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	318545	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115357	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	129391	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
35) Dibromofluoromethane	5.49	113	97660	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
50) Toluene-d8	8.71	98	398739	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	11.13	95	128260	43.66	ug/l	0.00
Spiked Amount			Recovery	=	87.32%	

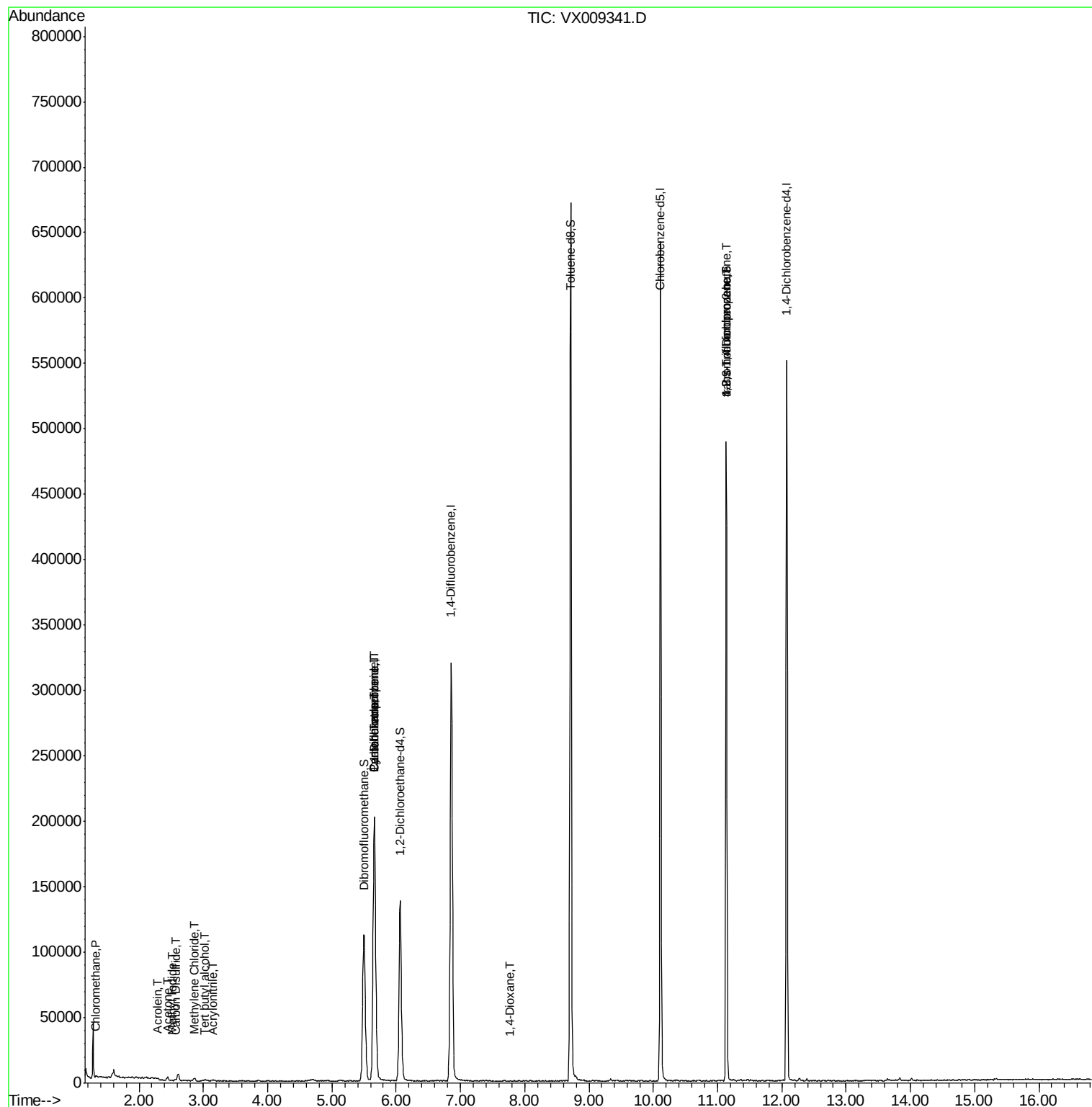
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	604	0.241	ug/l	92
10) Methyl Iodide	2.51	142	502	4.805	ug/l #	81
11) Tert butyl alcohol	3.01	59	485	0.772	ug/l #	83
13) Acrolein	2.29	56	310	0.545	ug/l	94
15) Acrylonitrile	3.15	53	337	0.219	ug/l #	16
16) Acetone	2.45	43	3026	2.076	ug/l	97
17) Carbon Disulfide	2.57	76	1129	0.216	ug/l #	81
20) Methylene Chloride	2.85	84	851	0.361	ug/l #	76
28) Bromochloromethane	5.01	49	67	Below Cal	#	20
31) Cyclohexane	5.67	56	4395	1.095	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15204	5.136	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18633	6.928	ug/l #	16
49) 1,4-Dioxane	7.76	88	20	0.301	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	64494	24.102	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64494	61.669	ug/l #	10

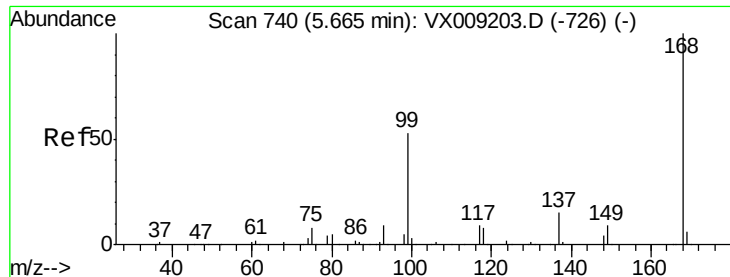
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009341.D

Acq: 06 May 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

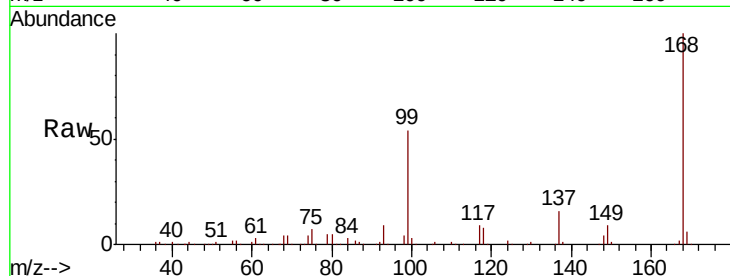
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 198824

Ion Ratio Lower Upper

168 100

99 53.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

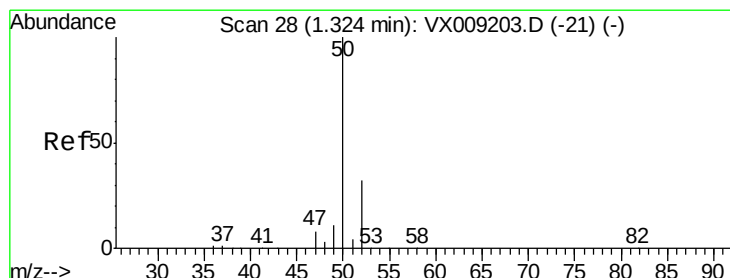
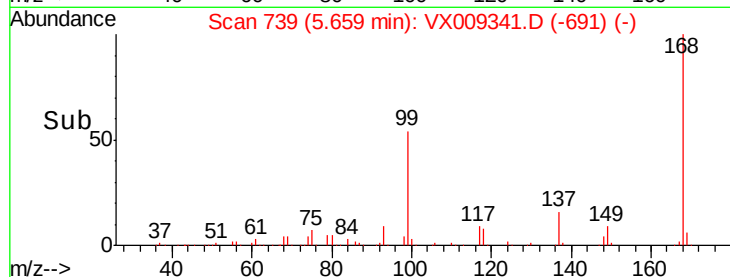
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.241 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009341.D

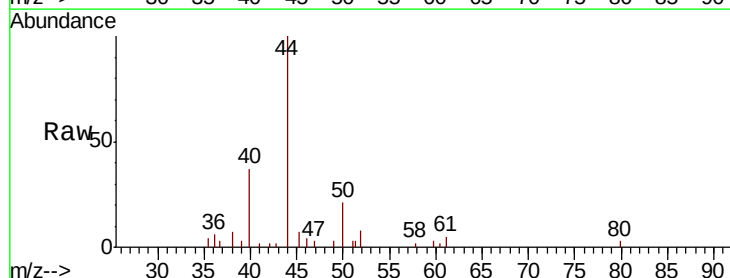
Acq: 06 May 2019 11:34

Tgt Ion: 50 Resp: 604

Ion Ratio Lower Upper

50 100

52 36.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

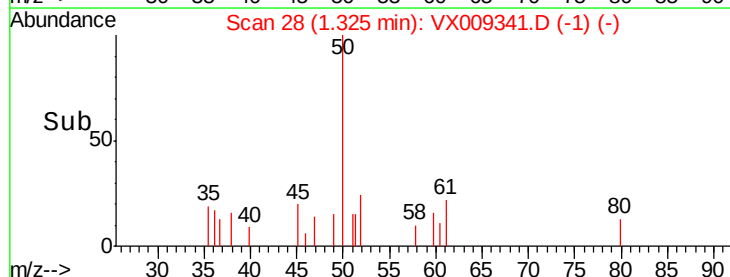
300

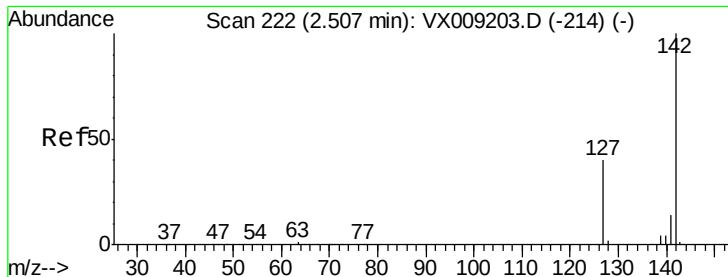
200

100

0

Time--> 1.30 1.35

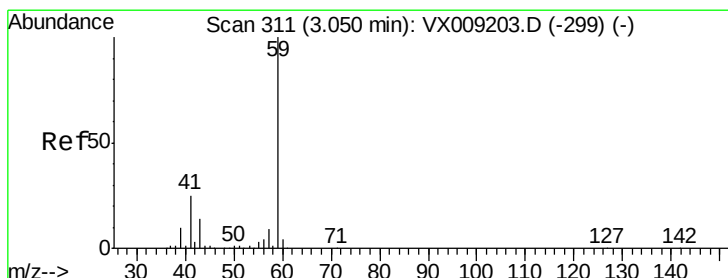
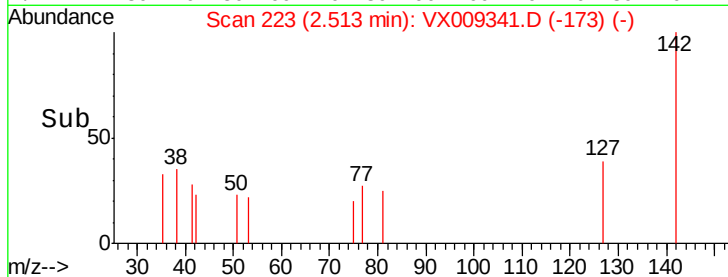
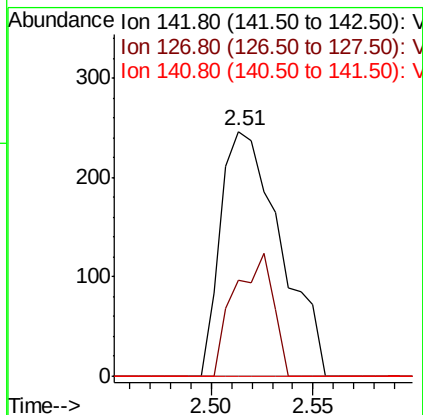
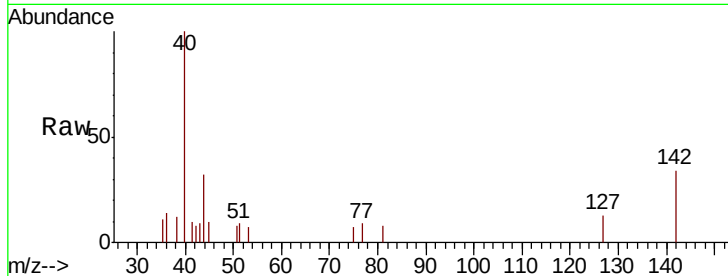




#10
Methvl Iodide
Concen: 4.805 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009341.D
Acq: 06 May 2019 11:34

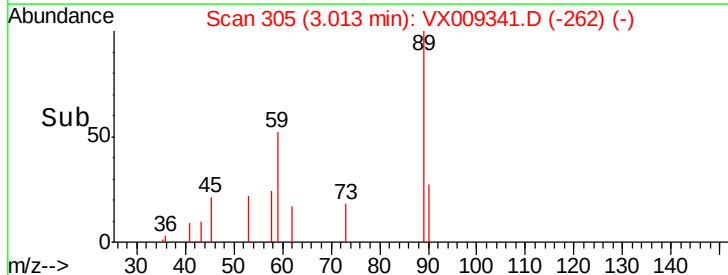
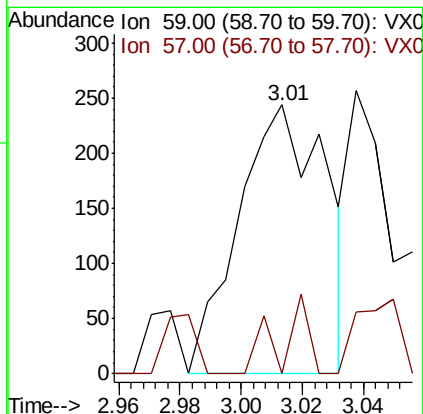
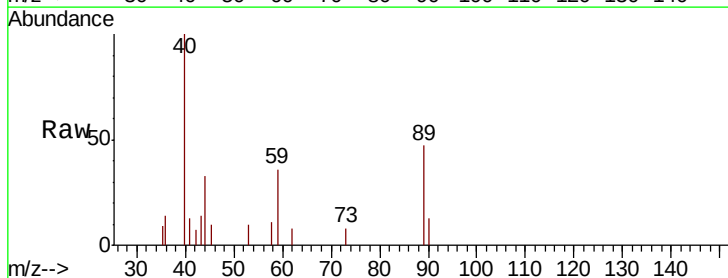
Instrument :
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STORAGE-BLANK-SOIL-REF-6

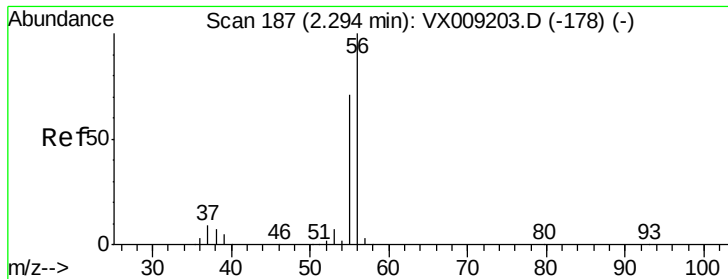
Tot Ion:142 Resp: 502
Ion Ratio Lower Upper
142 100
127 32.7 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.772 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009341.D
Acq: 06 May 2019 11:34

Tgt Ion: 59 Resp: 485
Ion Ratio Lower Upper
59 100
57 3.9 8.2 12.2#





#13

Acrolein

Concen: 0.545 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009341.D

Acq: 06 May 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

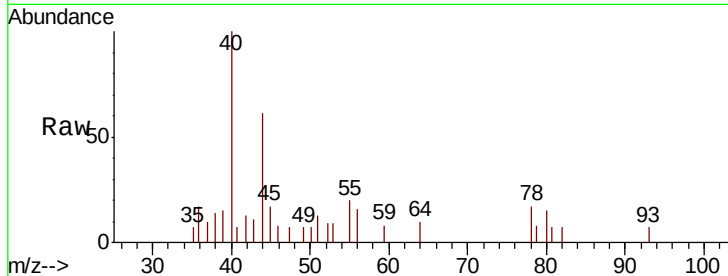
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 56 Resp: 310

Ion Ratio Lower Upper

56 100

55 76.1 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

200

150

100

50

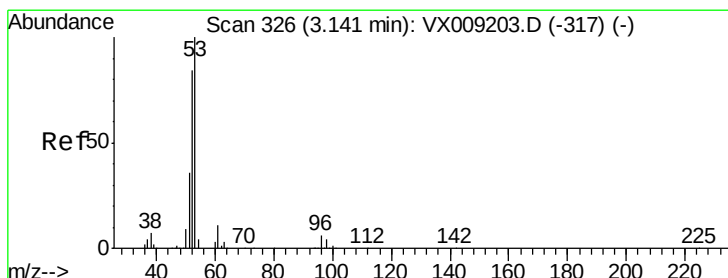
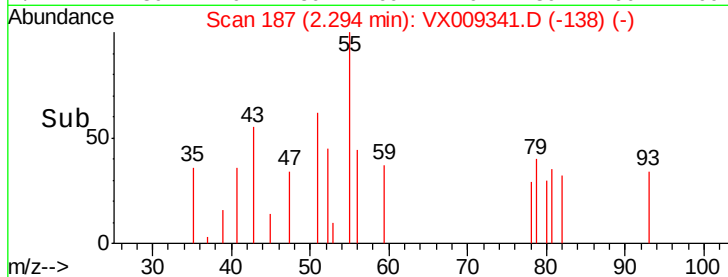
0

2.25

2.30

2.35

Time-->



#15

Acrylonitrile

Concen: 0.219 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009341.D

Acq: 06 May 2019 11:34

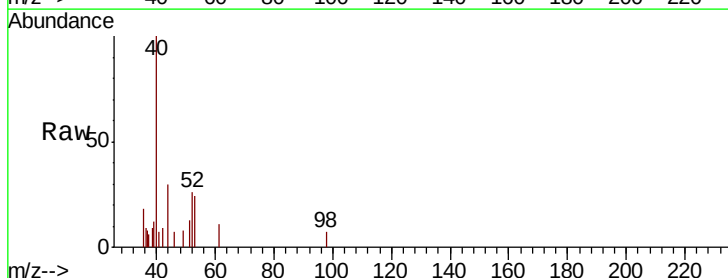
Tgt Ion: 53 Resp: 337

Ion Ratio Lower Upper

53 100

52 144.5 66.9 100.3#

51 107.1 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

250

200

150

100

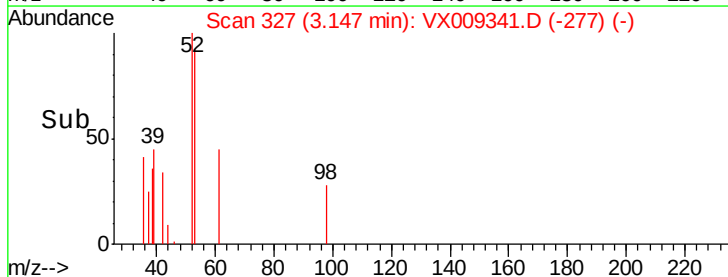
50

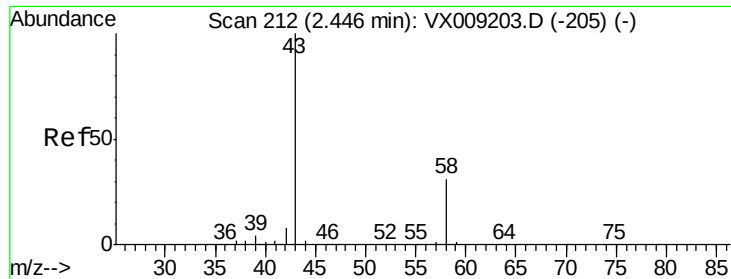
0

3.10

3.15

Time-->





#16

Acetone

Concen: 2.076 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009341.D

Acq: 06 May 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

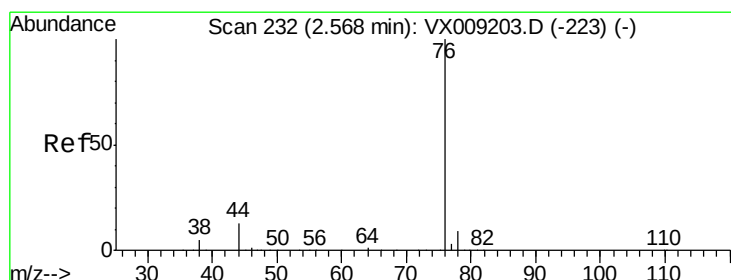
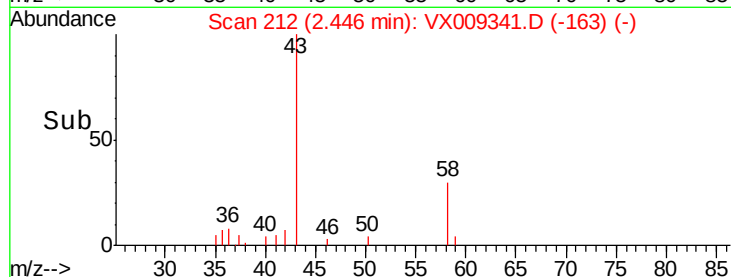
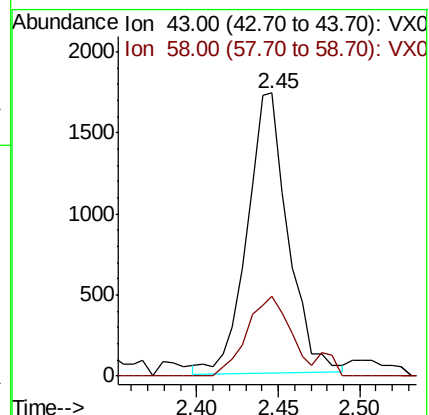
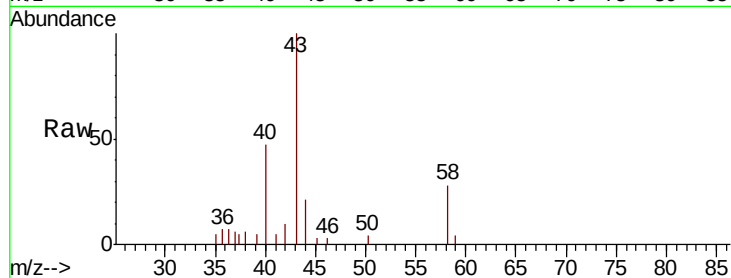
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 3026

Ion Ratio Lower Upper

43 100

58 29.6 24.9 37.3



#17

Carbon Disulfide

Concen: 0.216 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009341.D

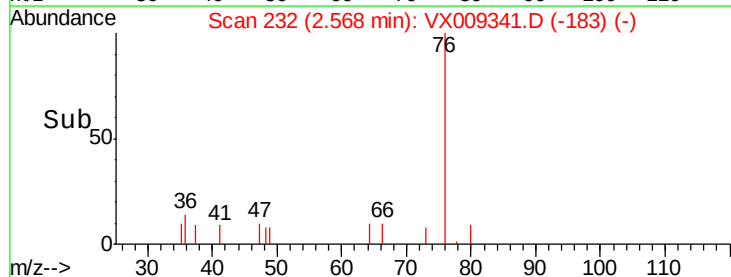
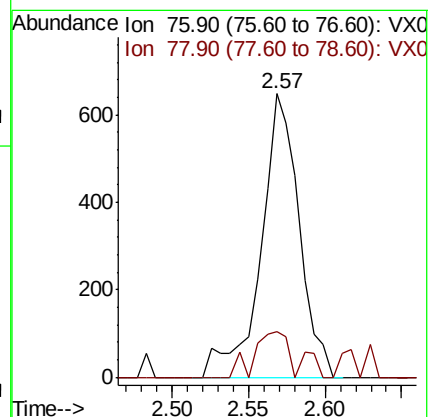
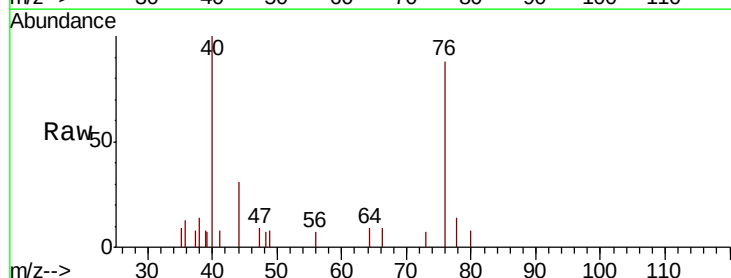
Acq: 06 May 2019 11:34

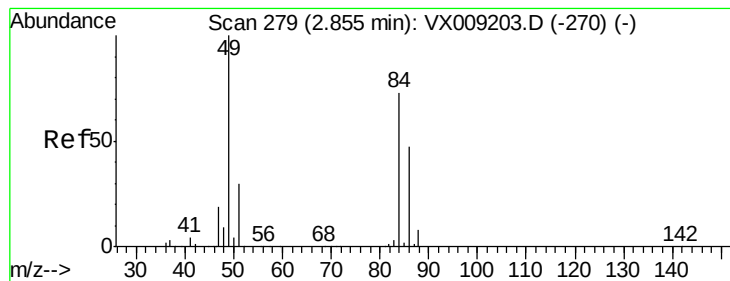
Tgt Ion: 76 Resp: 1129

Ion Ratio Lower Upper

76 100

78 16.0 7.4 11.0#





#20

Methylene Chloride

Concen: 0.361 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX009341.D

Acq: 06 May 2019 11:34

Instrument :

MSVOA_X

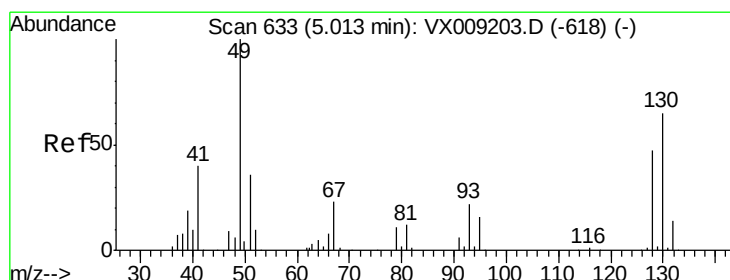
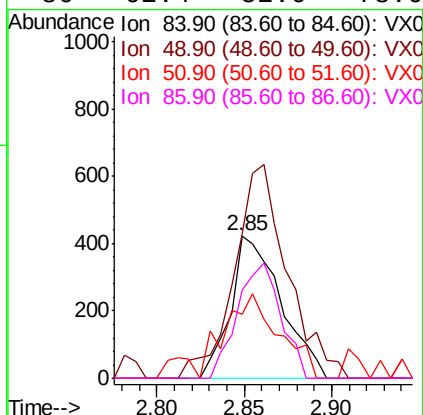
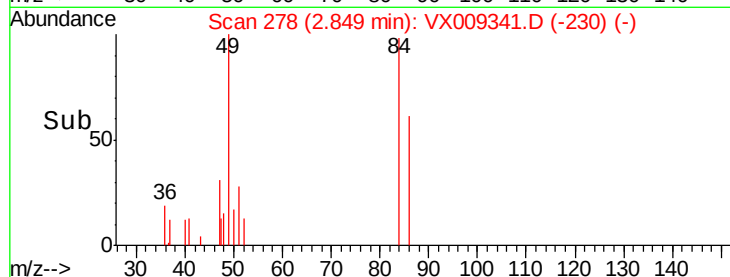
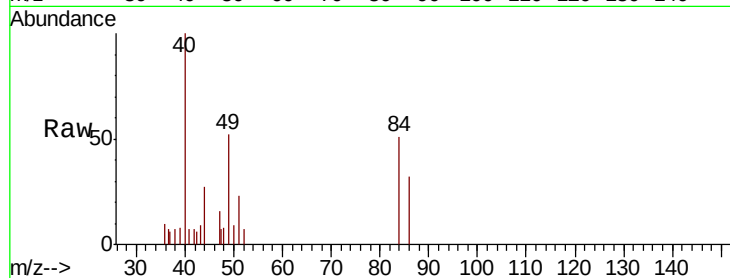
ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

Tot Ion: 84 Resp: 851

Ion Ratio Lower Upper

84	100		
49	90.1	109.9	164.9#
51	44.7	32.7	49.1
86	62.4	52.0	78.0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

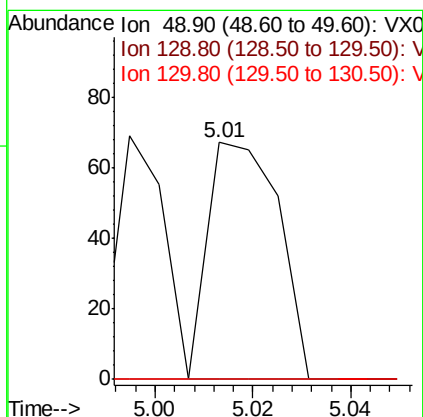
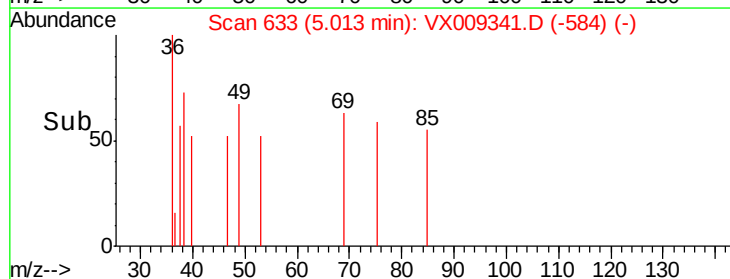
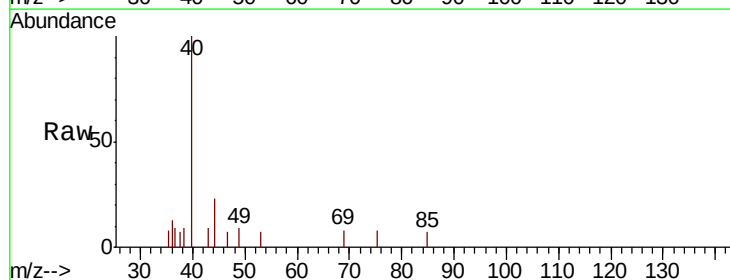
Lab File: VX009341.D

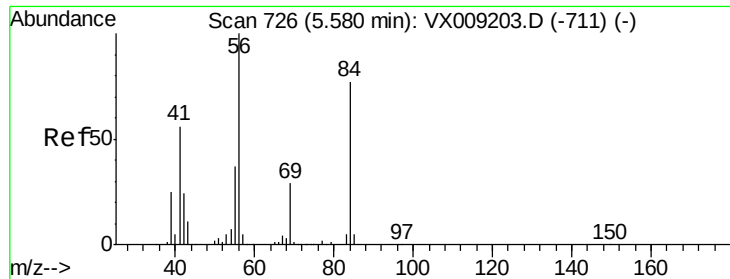
Acq: 06 May 2019 11:34

Tgt Ion: 49 Resp: 67

Ion Ratio Lower Upper

49	100		
129	0.0	0.0	3.8
130	0.0	51.2	76.8#

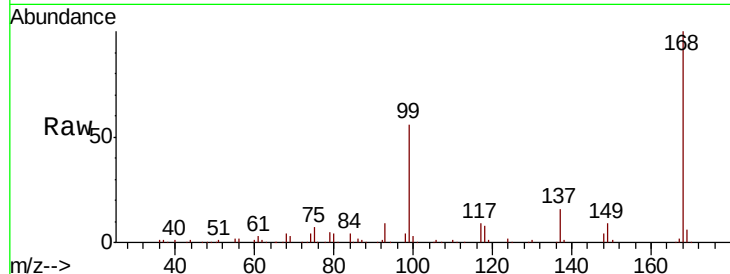




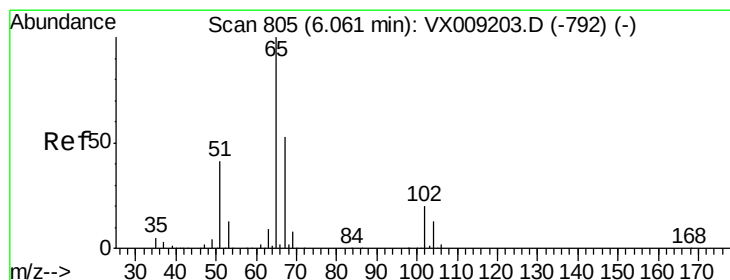
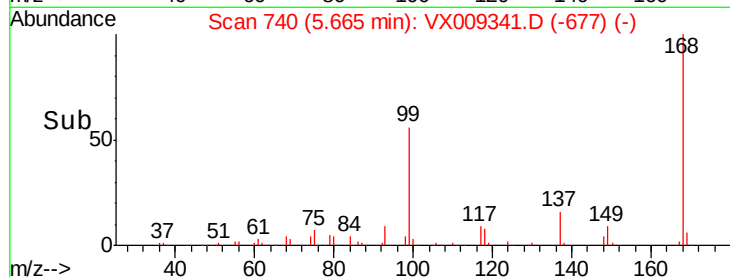
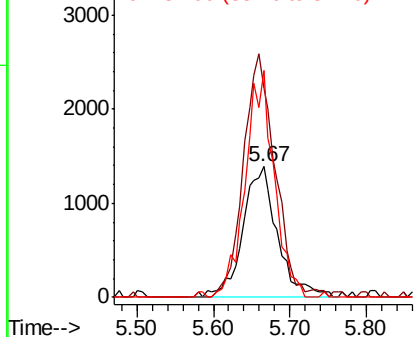
#31
Cyclohexane
Concen: 1.095 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009341.D
Acq: 06 May 2019 11:34

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

Tot Ion: 56 Resp: 4395
Ion Ratio Lower Upper
56 100
69 159.9 23.4 35.0#
84 173.6 61.9 92.9#

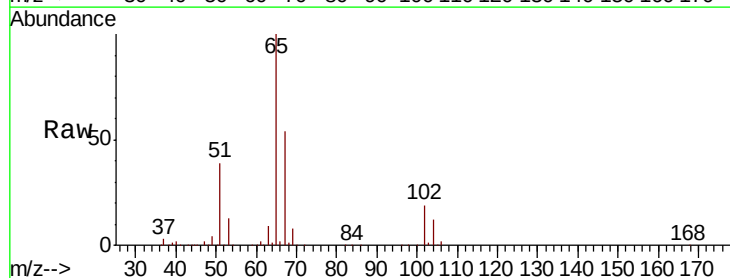


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

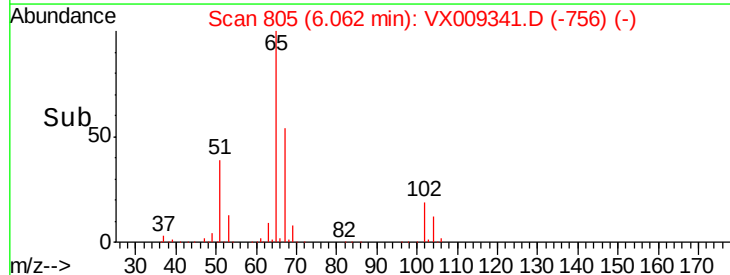
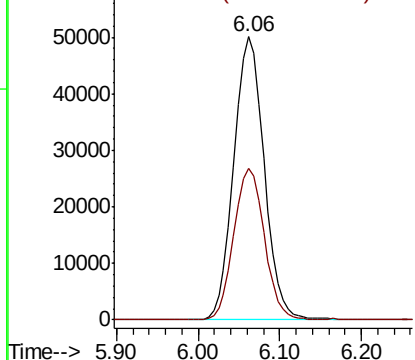


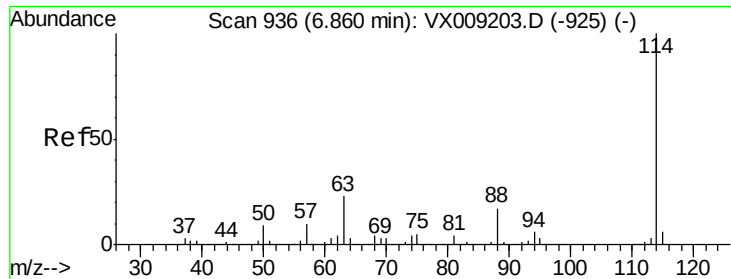
#33
1,2-Dichloroethane-d4
Concen: 47.672 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009341.D
Acq: 06 May 2019 11:34

Tgt Ion: 65 Resp: 129391
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

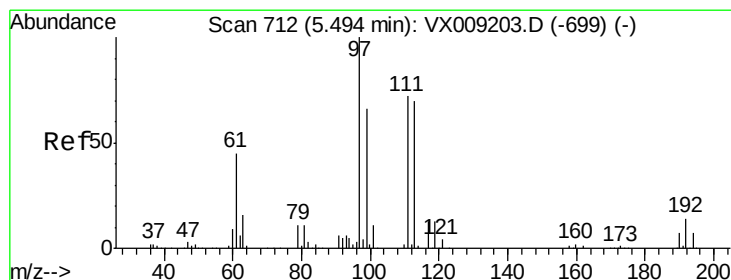
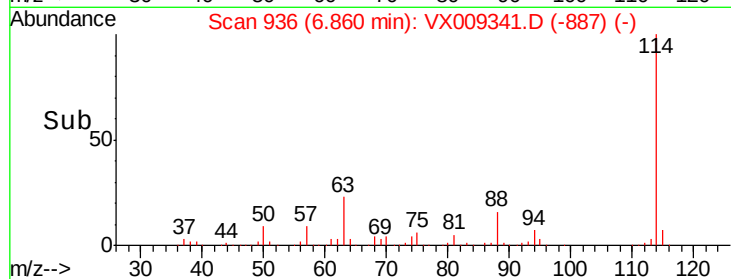
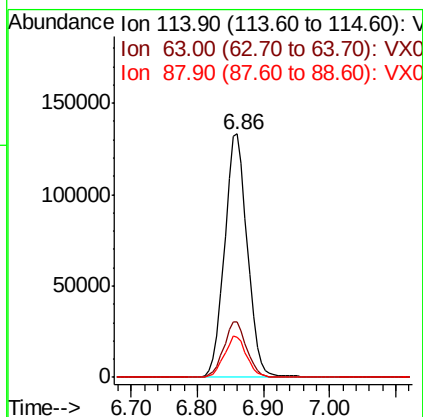
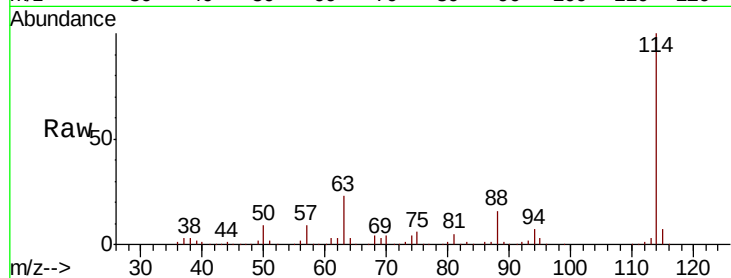




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009341.D
 Acq: 06 May 2019 11:34

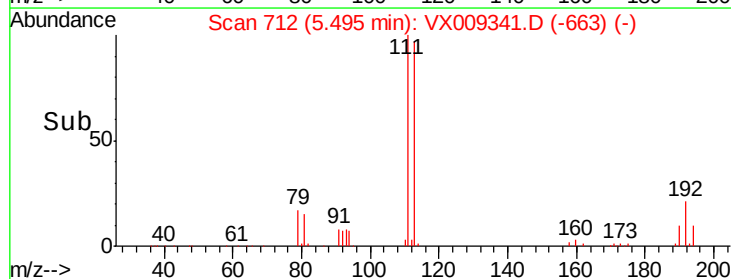
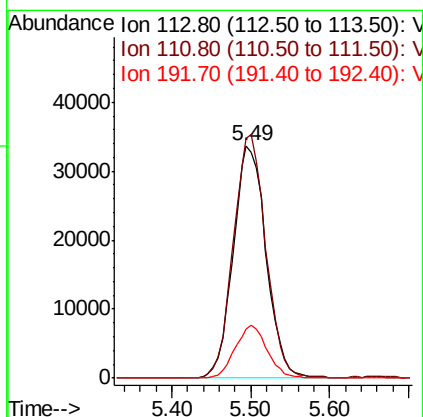
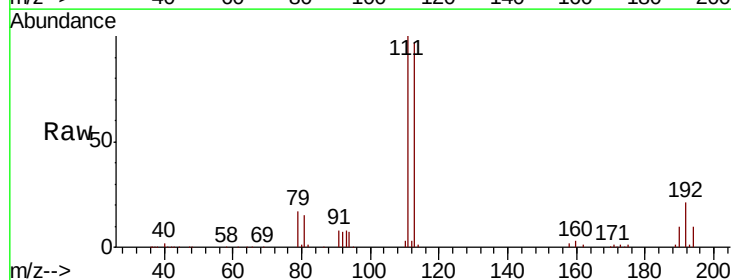
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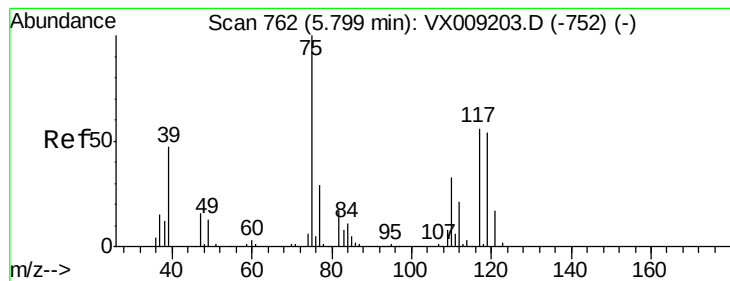
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	45.6
88	16.4	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 48.769 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009341.D
 Acq: 06 May 2019 11:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.8	124.2
192	22.1	17.0	25.6





#36

1,1-Dichloropropene

Concen: 5.136 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009341.D

Acq: 06 May 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

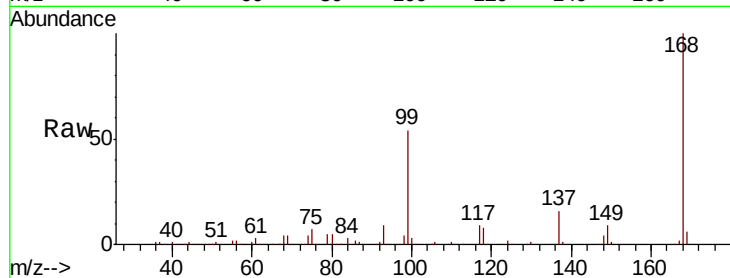
Tot Ion: 75 Resp: 15204

Ion Ratio Lower Upper

75 100

110 9.4 16.9 50.6#

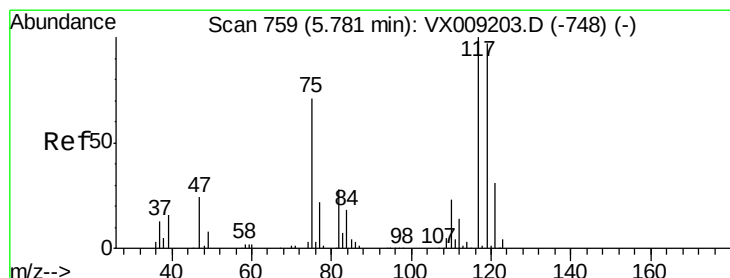
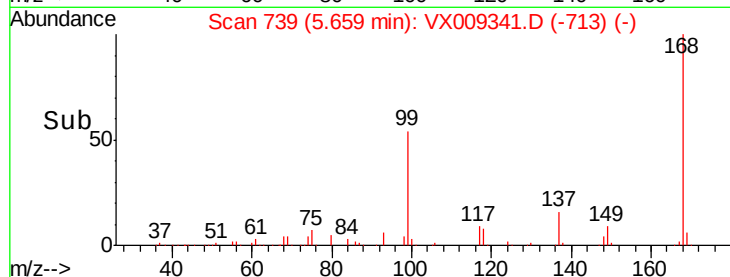
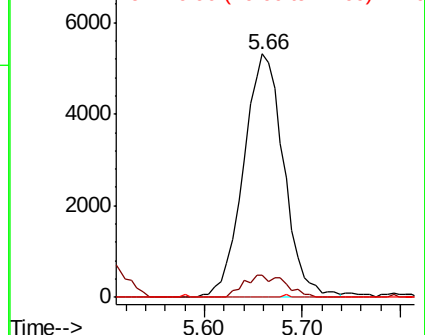
77 0.0 24.8 37.2#



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: 6.928 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX009341.D

Acq: 06 May 2019 11:34

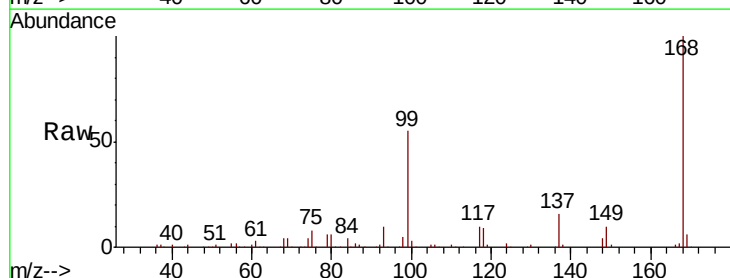
Tgt Ion: 117 Resp: 18633

Ion Ratio Lower Upper

117 100

119 5.1 77.5 116.3#

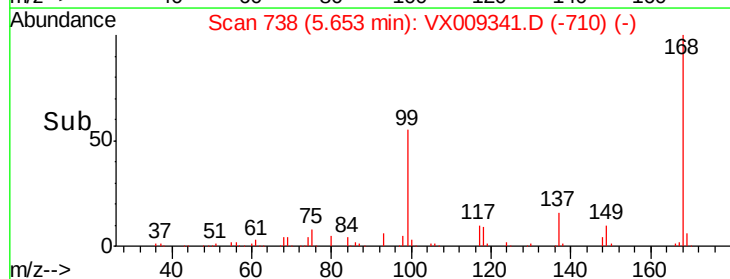
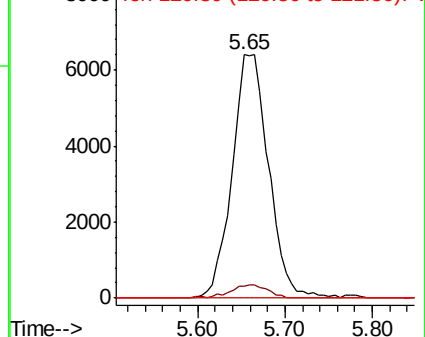
121 0.0 24.7 37.1#

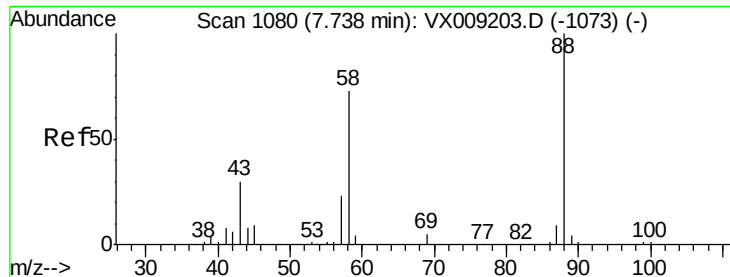


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

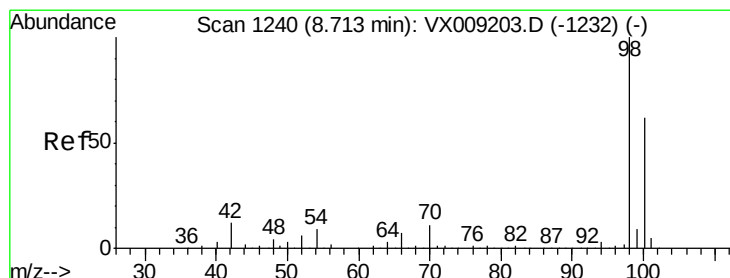
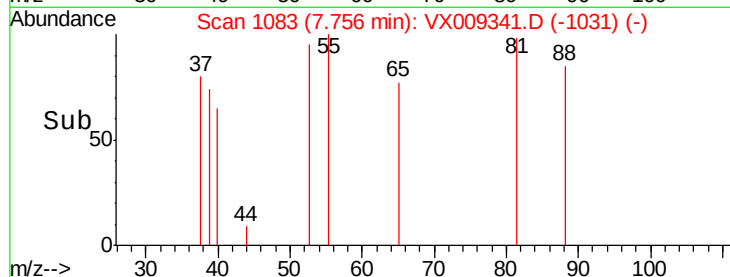
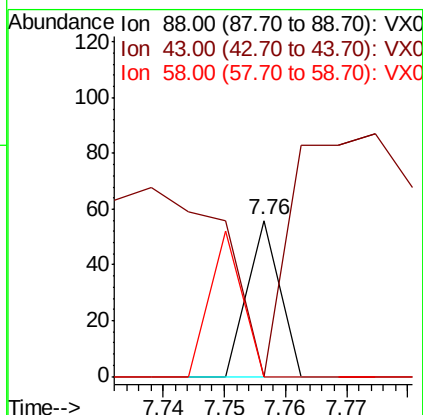
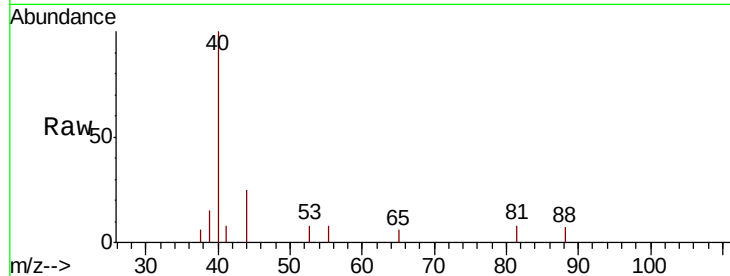




#49
1,4-Dioxane
Concen: 0.301 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VX009341.D
Acq: 06 May 2019 11:34

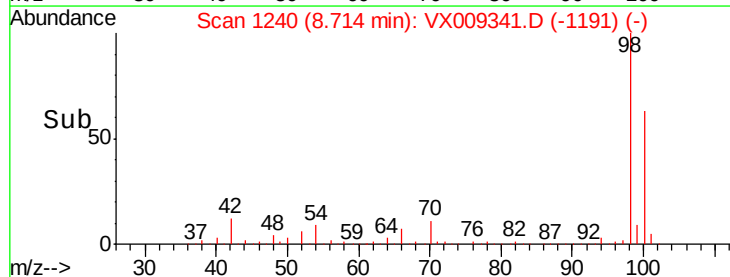
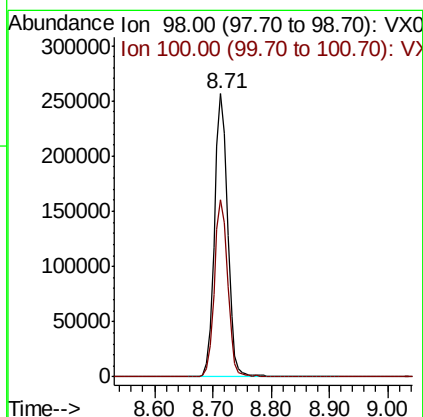
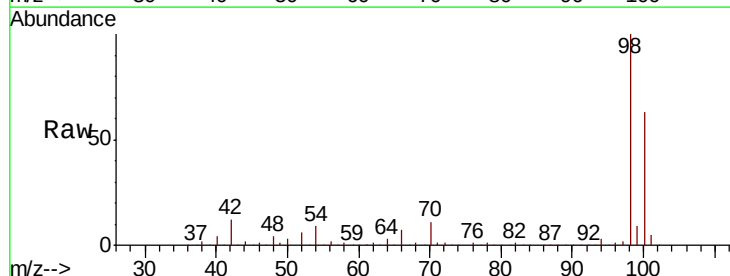
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

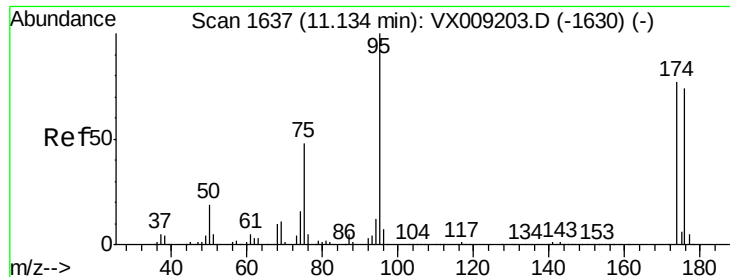
Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 660.0 28.6 42.8#
58 95.0 61.7 92.5#



#50
Toluene-d8
Concen: 49.321 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009341.D
Acq: 06 May 2019 11:34

Tgt Ion: 98 Resp: 398739
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 43.661 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009341.D

Acq: 06 May 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

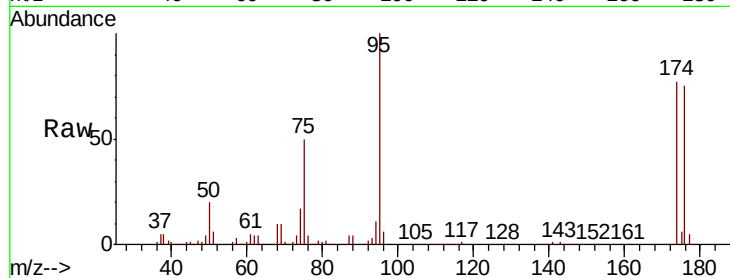
Tot Ion: 95 Resp: 128260

Ion Ratio Lower Upper

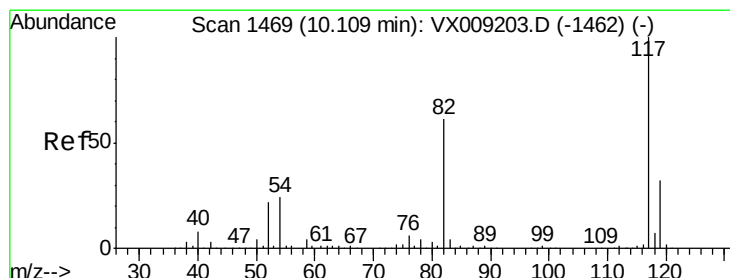
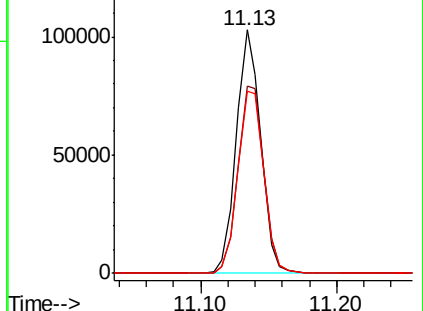
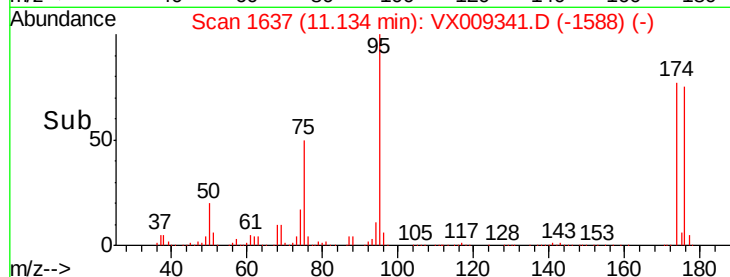
95 100

174 81.7 0.0 161.6

176 79.7 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009341.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009341.D

Acq: 06 May 2019 11:34

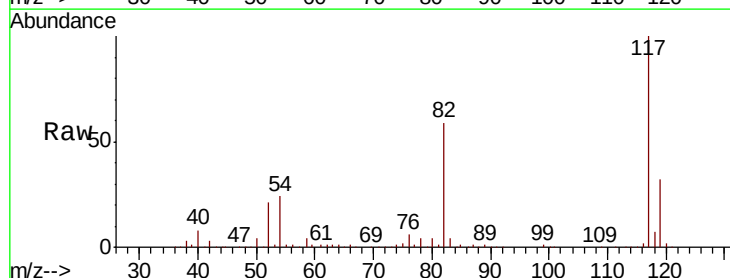
Tgt Ion: 117 Resp: 277640

Ion Ratio Lower Upper

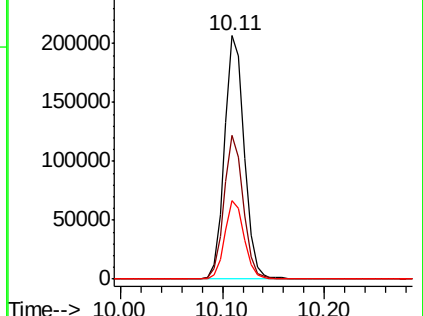
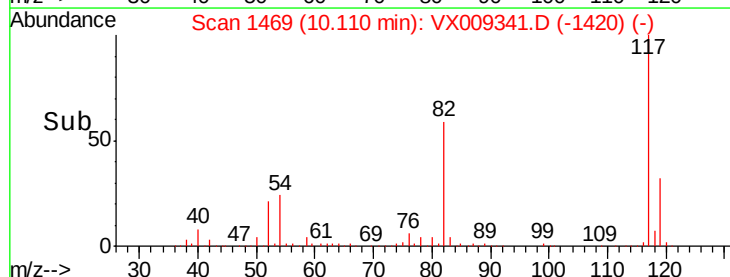
117 100

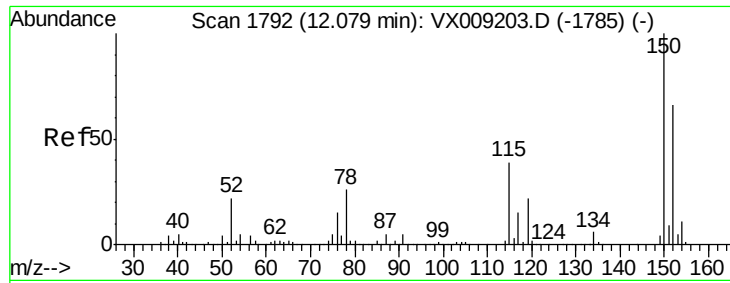
82 59.1 48.8 73.2

119 32.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009341.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009341.D

Acq: 06 May 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

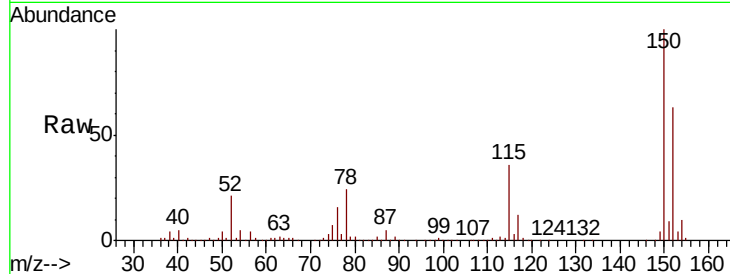
Tot Ion:152 Resp: 115357

Ion Ratio Lower Upper

152 100

115 57.9 41.2 123.6

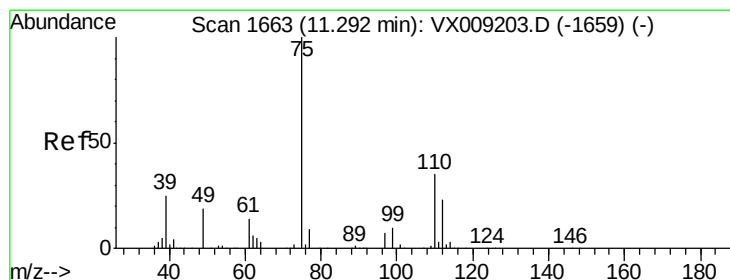
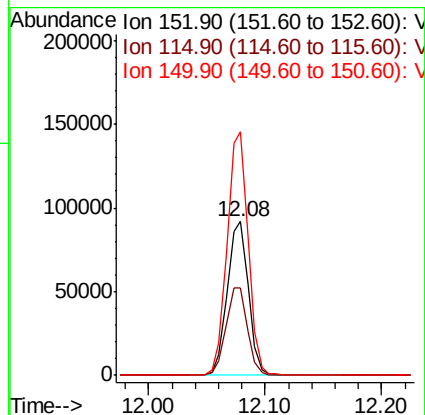
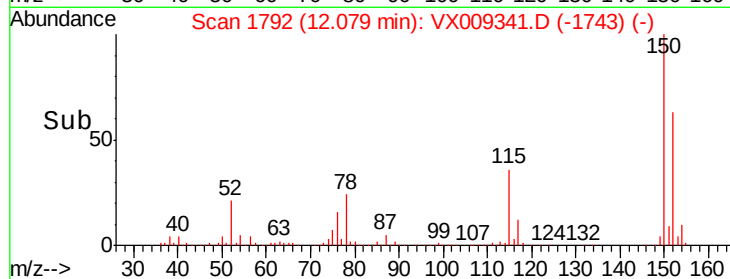
150 157.2 0.0 346.4



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: 24.102 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009341.D

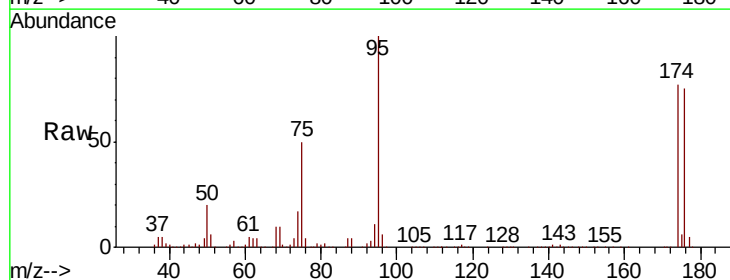
Acq: 06 May 2019 11:34

Tgt Ion: 75 Resp: 64494

Ion Ratio Lower Upper

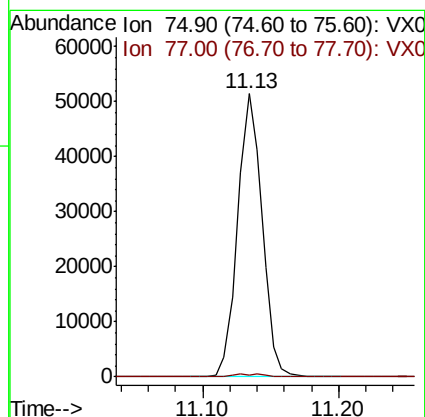
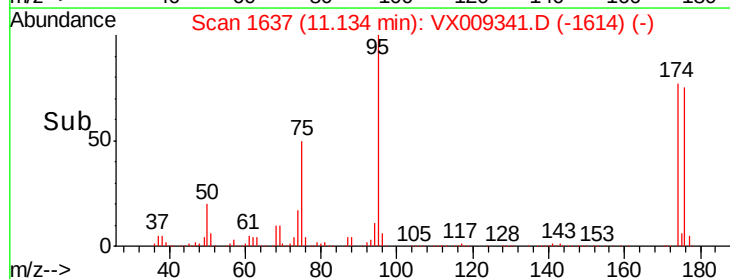
75 100

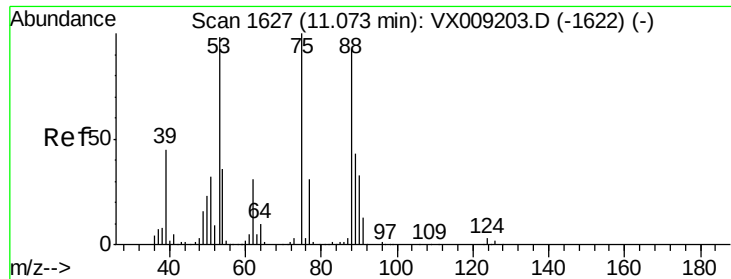
77 1.2 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 61.669 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009341.D

Acq: 06 May 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 64494

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#

