

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030819\
 Data File : VX007939.D
 Acq On : 08 Mar 2019 19:09
 Operator : JC/SP
 Sample : K1815-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Mar 09 03:53:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	277432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	431417	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	403642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194694	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	150471	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
35) Dibromofluoromethane	5.50	113	140185	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
50) Toluene-d8	8.71	98	520232	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	11.13	95	190344	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	

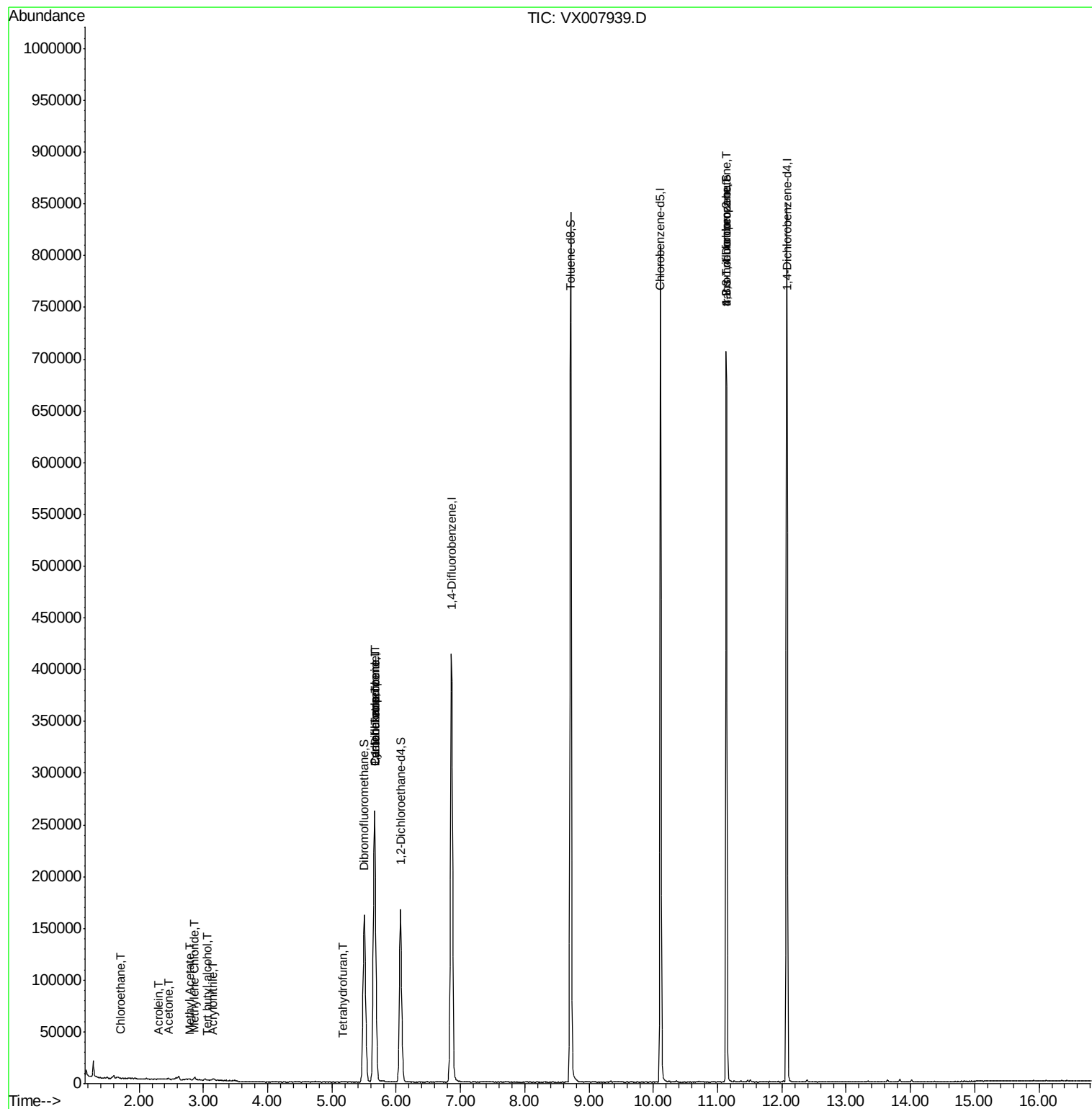
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	748	Below Cal		98
6) Chloroethane	1.71	64	999	0.495	ug/l #	81
11) Tert butyl alcohol	3.06	59	163	0.249	ug/l #	88
13) Acrolein	2.30	56	142	1.922	ug/l #	80
15) Acrylonitrile	3.14	53	578	0.350	ug/l #	74
16) Acetone	2.45	43	1487	0.878	ug/l	100
17) Carbon Disulfide	2.57	76	2312	Below Cal		98
18) Methyl Acetate	2.78	43	1004	0.279	ug/l	99
20) Methylene Chloride	2.85	84	815	0.302	ug/l #	90
29) Tetrahydrofuran	5.17	42	425	0.284	ug/l #	35
31) Cyclohexane	5.66	56	4597	1.022	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17181	4.398	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23347	6.295	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	87182	21.339	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	87182	68.211	ug/l #	11

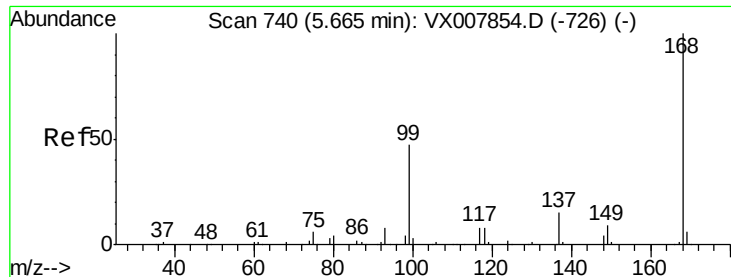
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007939.D

Acq: 08 Mar 2019 19:09

Instrument :

MSVOA_X

ClientSampleId :

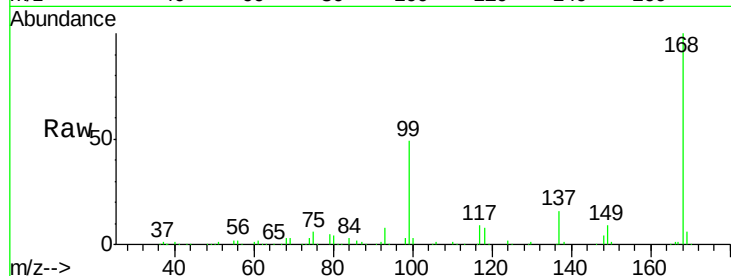
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 277432

Ion Ratio Lower Upper

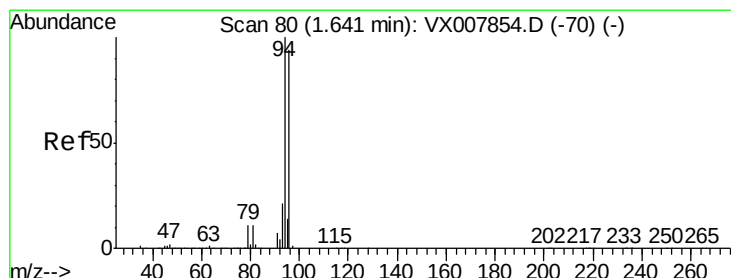
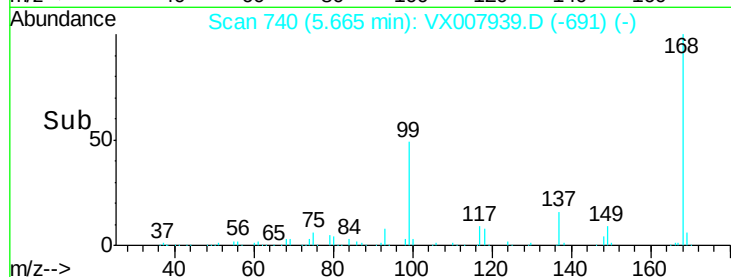
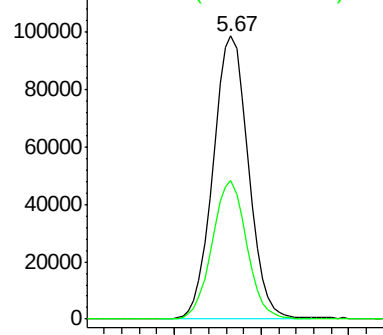
168 100

99 48.9 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007939.D

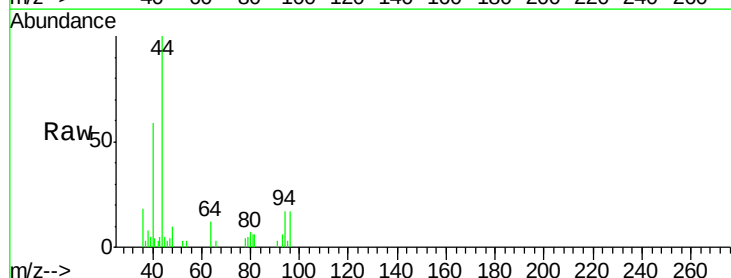
Acq: 08 Mar 2019 19:09

Tgt Ion: 94 Resp: 748

Ion Ratio Lower Upper

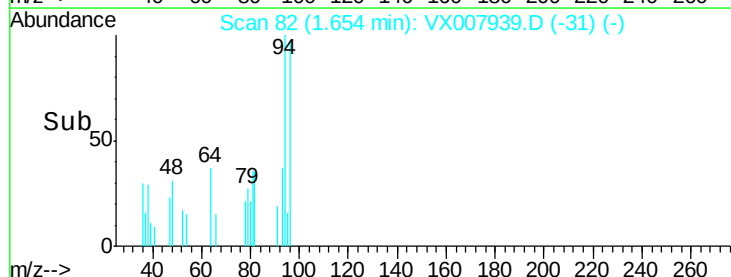
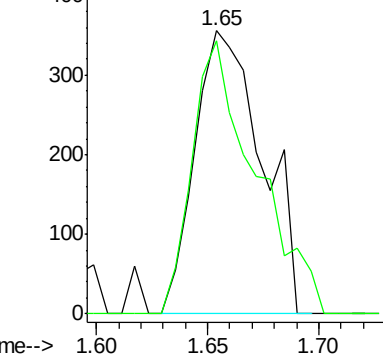
94 100

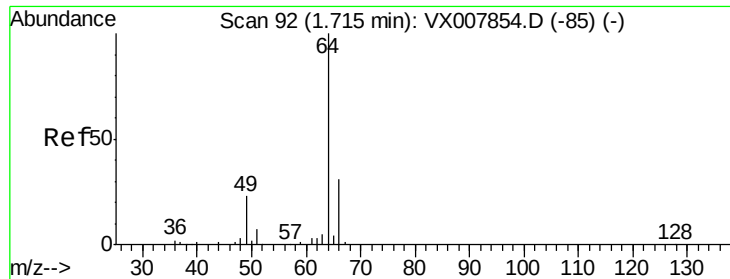
96 96.6 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.495 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX007939.D

Acq: 08 Mar 2019 19:09

Instrument :

MSVOA_X

ClientSampleId :

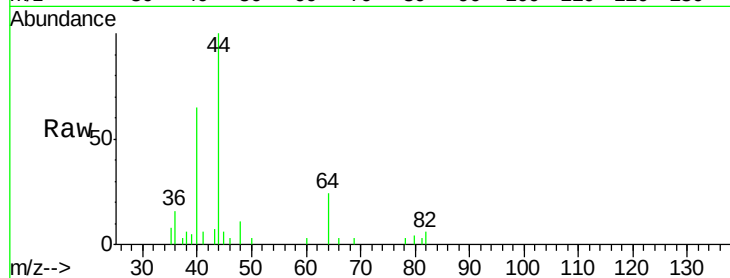
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 64 Resp: 999

Ion Ratio Lower Upper

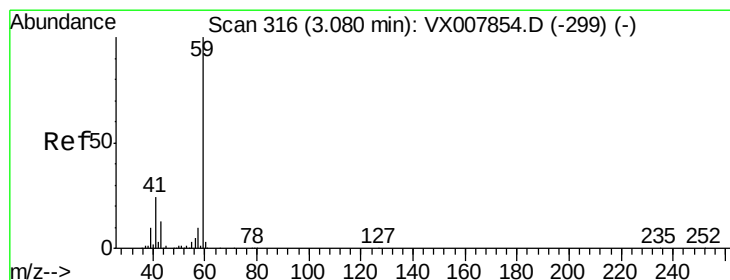
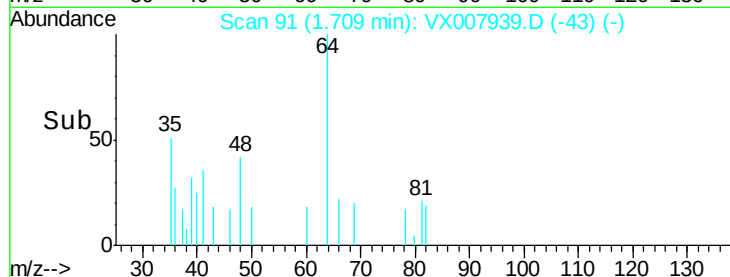
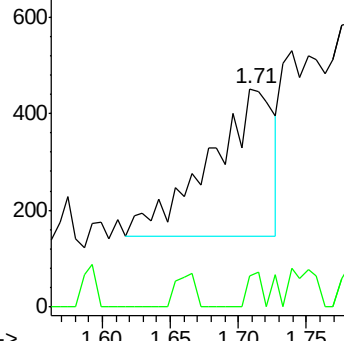
64 100

66 21.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 0.249 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX007939.D

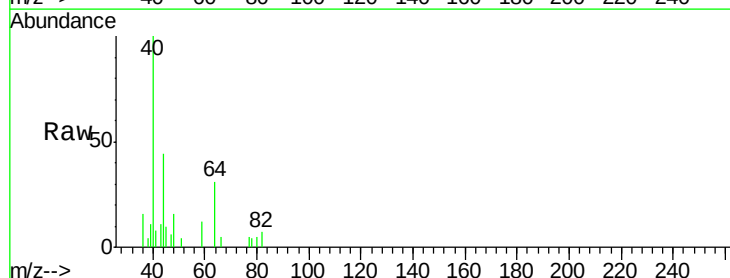
Acq: 08 Mar 2019 19:09

Tgt Ion: 59 Resp: 163

Ion Ratio Lower Upper

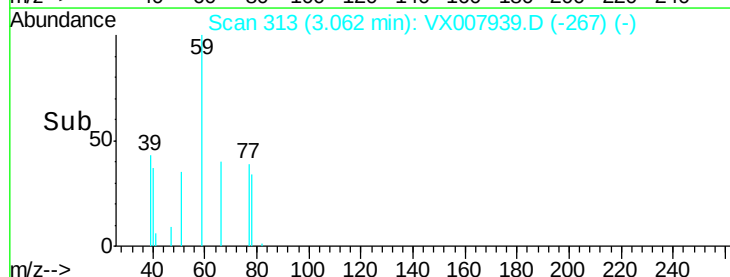
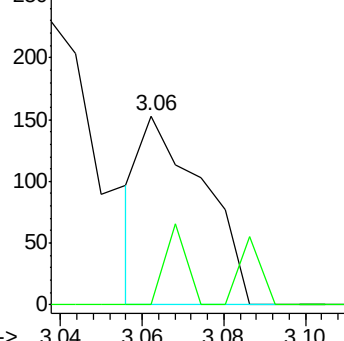
59 100

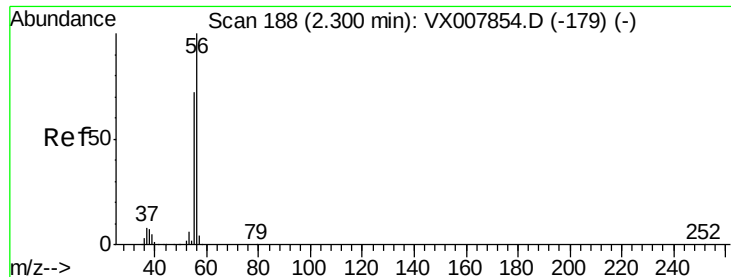
57 14.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.922 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007939.D

Acq: 08 Mar 2019 19:09

Instrument :

MSVOA_X

ClientSampleId :

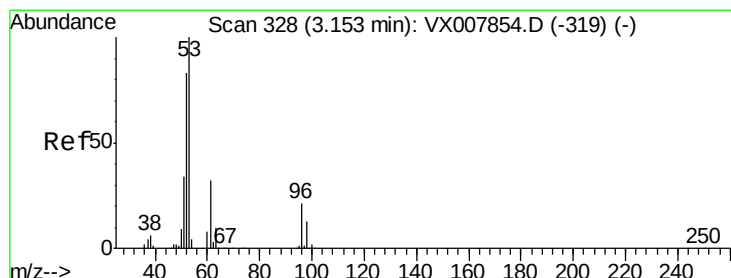
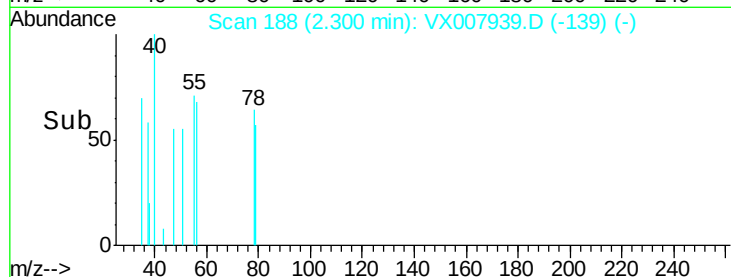
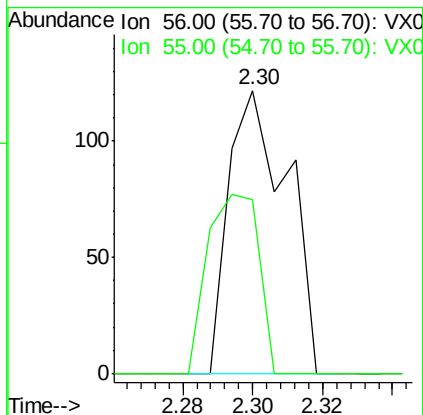
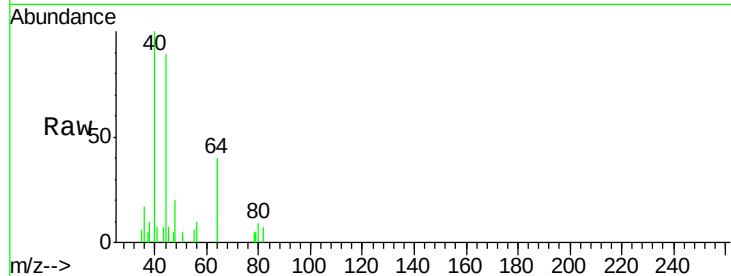
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 56 Resp: 142

Ion Ratio Lower Upper

56 100

55 55.6 57.8 86.6#



#15

Acrylonitrile

Concen: 0.350 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX007939.D

Acq: 08 Mar 2019 19:09

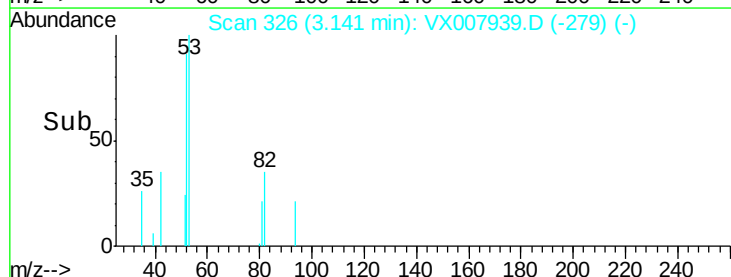
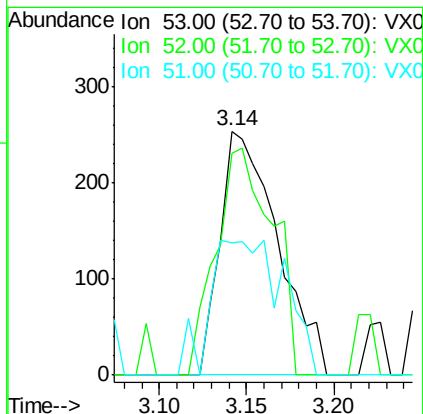
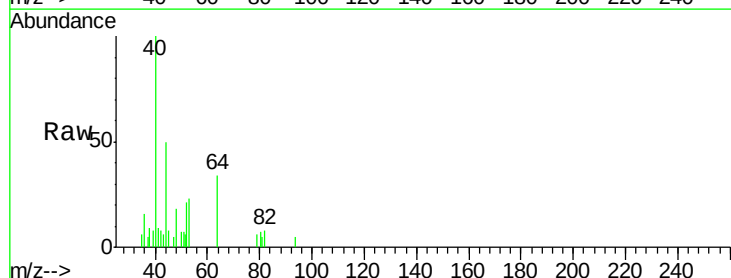
Tgt Ion: 53 Resp: 578

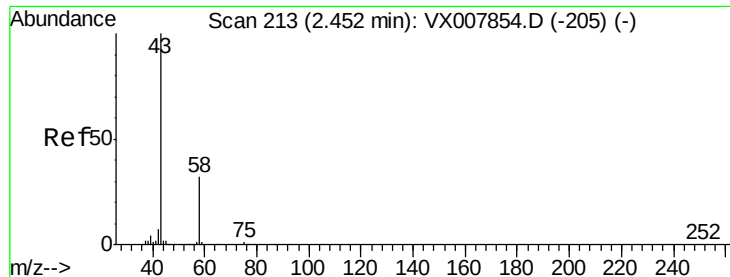
Ion Ratio Lower Upper

53 100

52 92.2 66.0 99.0

51 71.1 28.0 42.0#





#16

Acetone

Concen: 0.878 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007939.D

Acq: 08 Mar 2019 19:09

Instrument :

MSVOA_X

ClientSampleId :

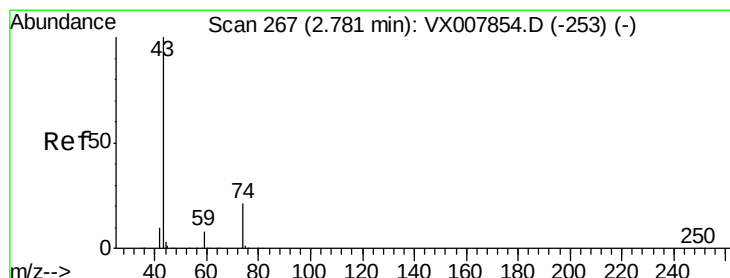
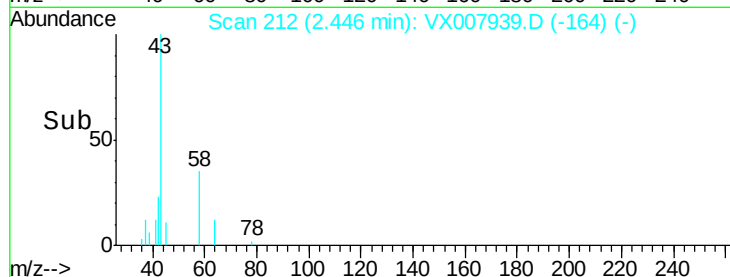
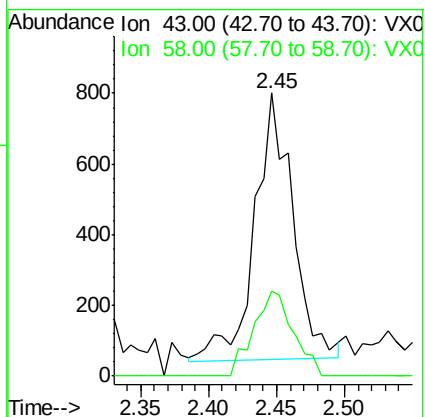
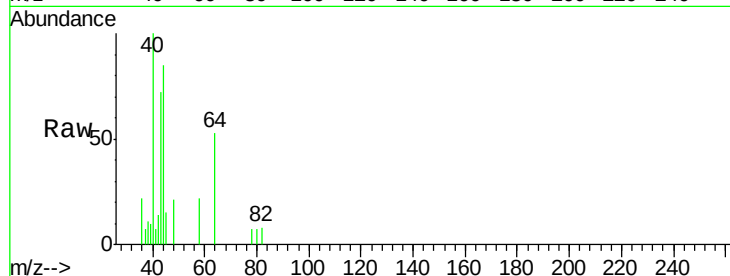
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 1487

Ion Ratio Lower Upper

43 100

58 32.1 25.5 38.3



#18

Methyl Acetate

Concen: 0.279 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007939.D

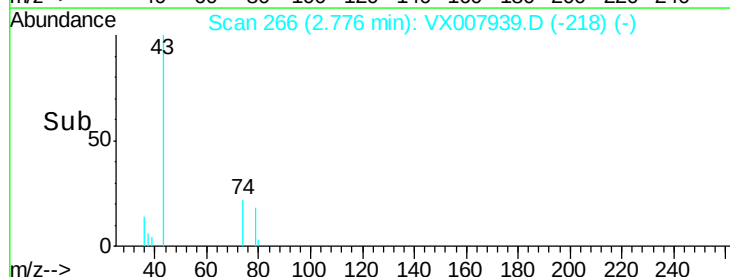
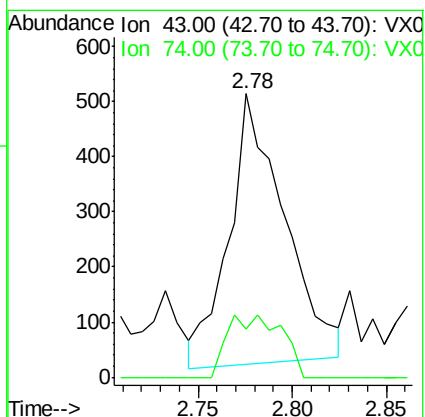
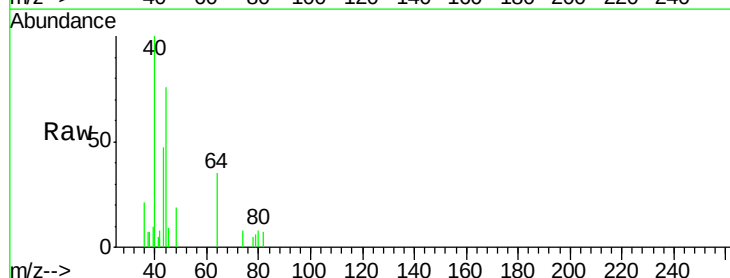
Acq: 08 Mar 2019 19:09

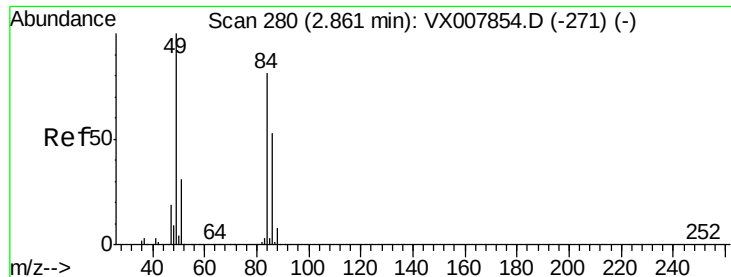
Tgt Ion: 43 Resp: 1004

Ion Ratio Lower Upper

43 100

74 22.5 17.8 26.6

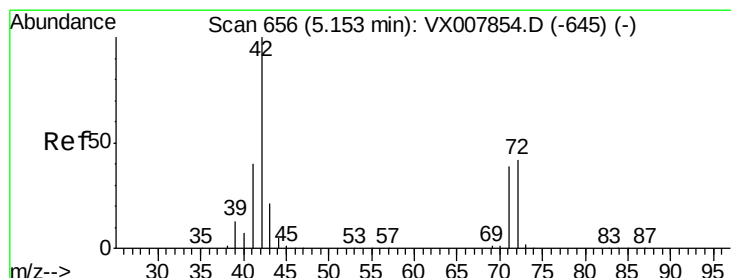
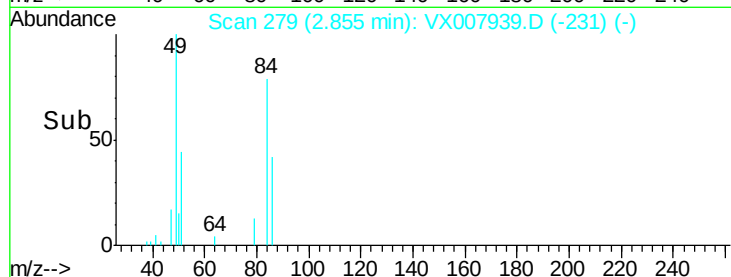
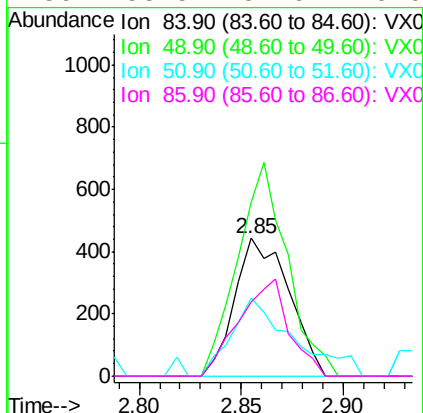
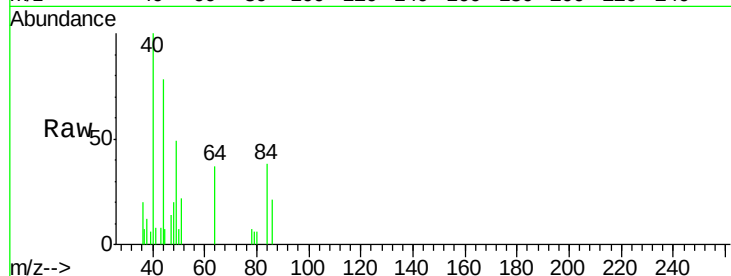




#20
Methylene Chloride
Concen: 0.302 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007939.D
Acq: 08 Mar 2019 19:09

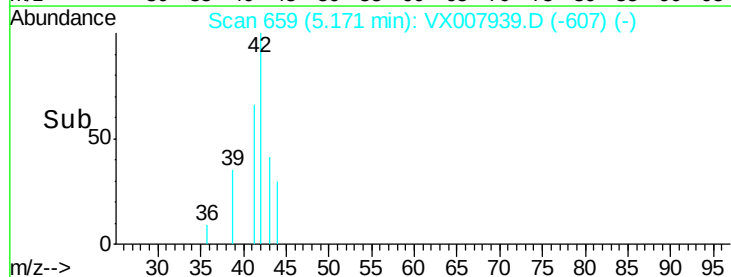
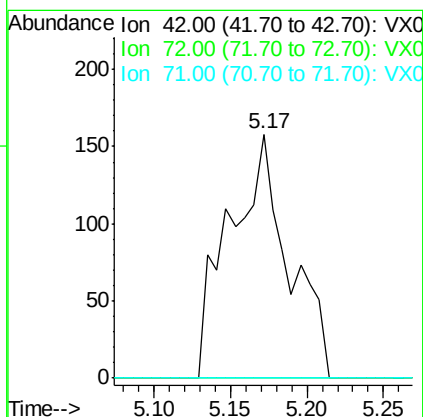
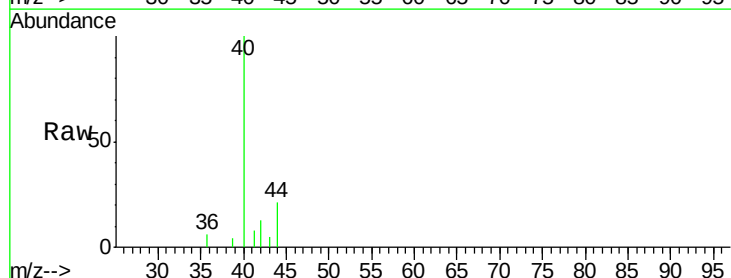
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

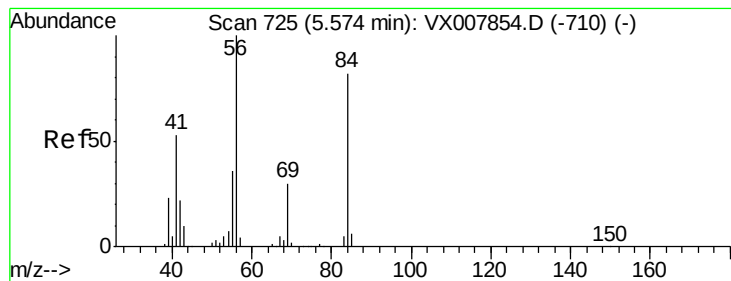
Tot Ion:	84	Resp:	815
Ion	Ratio	Lower	Upper
84	100		
49	126.6	99.3	148.9
51	56.2	31.3	46.9#
86	53.5	52.6	79.0



#29
Tetrahydrofuran
Concen: 0.284 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX007939.D
Acq: 08 Mar 2019 19:09

Tgt Ion:	42	Resp:	425
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.8	50.6#
71	0.0	31.5	47.3#





#31

Cyclohexane

Concen: 1.022 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX007939.D

Acq: 08 Mar 2019 19:09

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

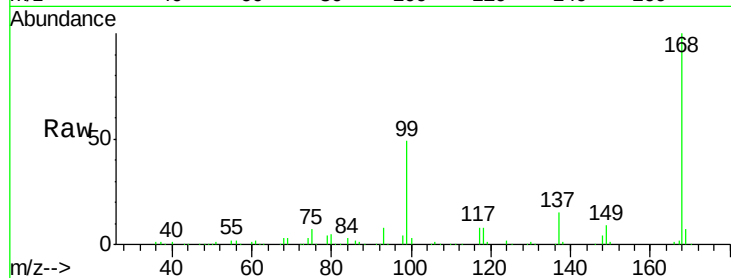
Tot Ion: 56 Resp: 4597

Ion Ratio Lower Upper

56 100

69 193.4 24.0 36.0#

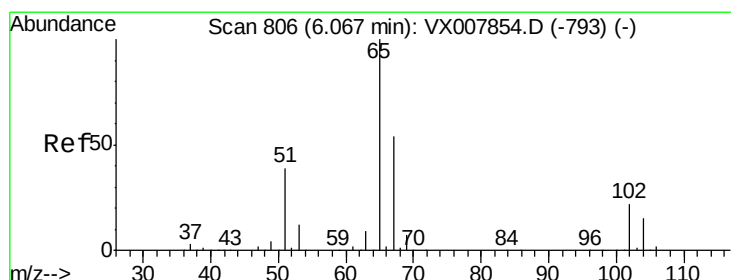
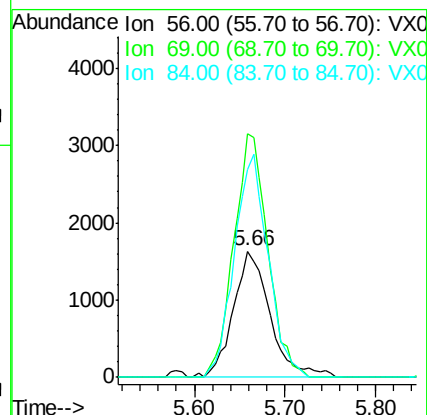
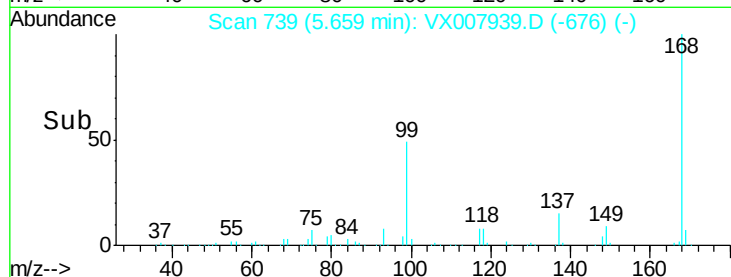
84 164.9 65.3 97.9#



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: 51.414 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007939.D

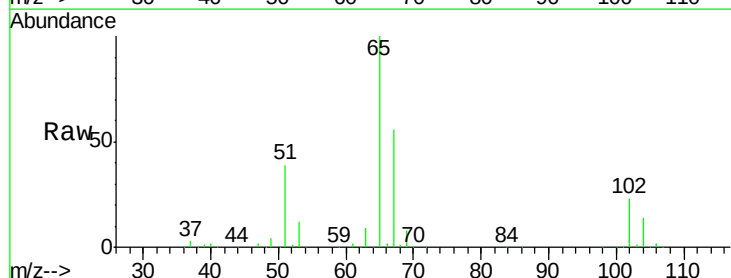
Acq: 08 Mar 2019 19:09

Tgt Ion: 65 Resp: 150471

Ion Ratio Lower Upper

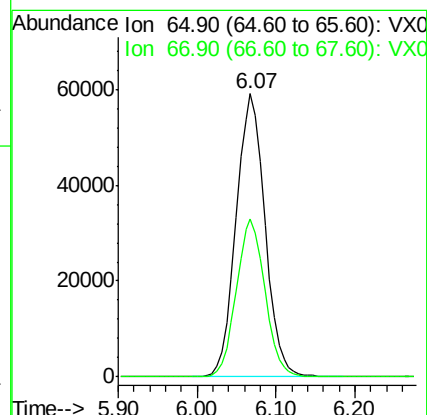
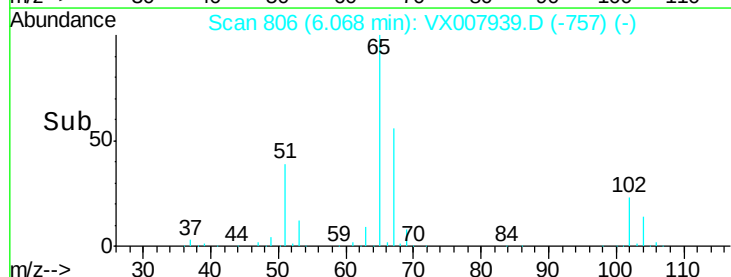
65 100

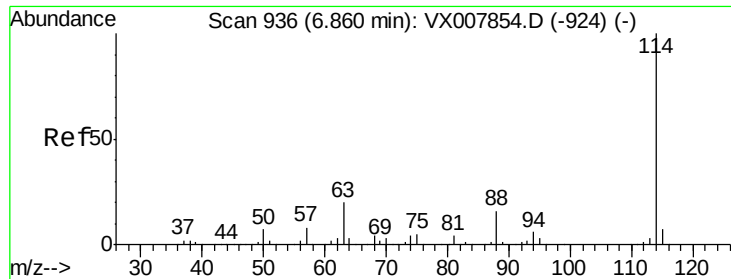
67 55.4 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

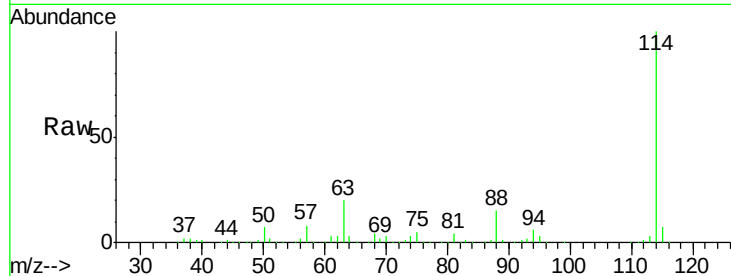




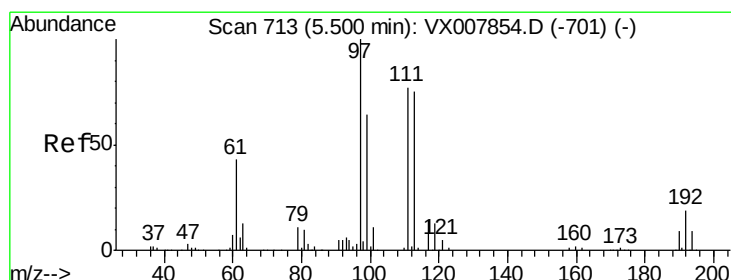
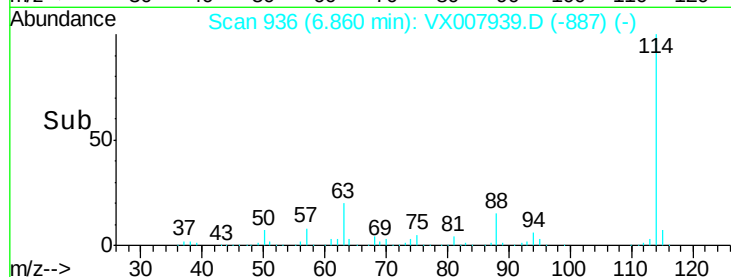
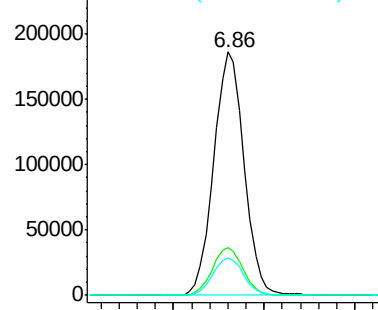
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007939.D
 Acq: 08 Mar 2019 19:09

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.8
88	15.3	0.0	31.4

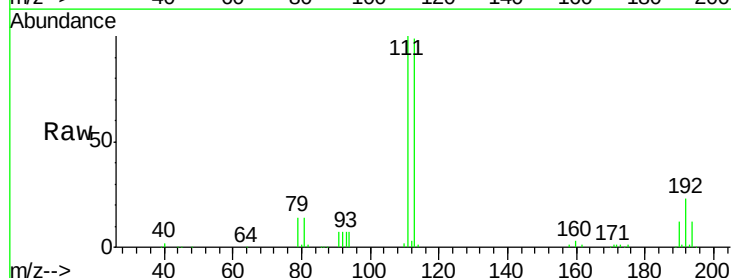


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

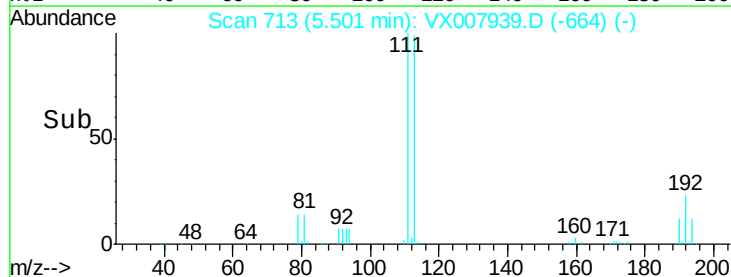
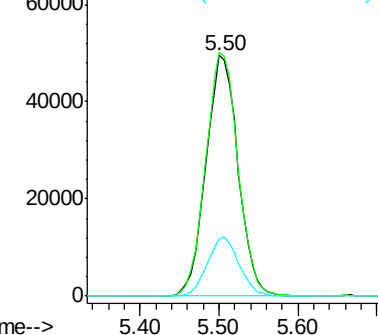


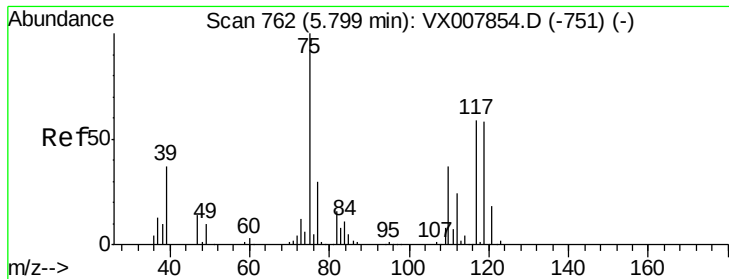
#35
 Dibromofluoromethane
 Concen: 50.798 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007939.D
 Acq: 08 Mar 2019 19:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.4	122.0
192	24.2	19.4	29.0



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: 4.398 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007939.D

Acq: 08 Mar 2019 19:09

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

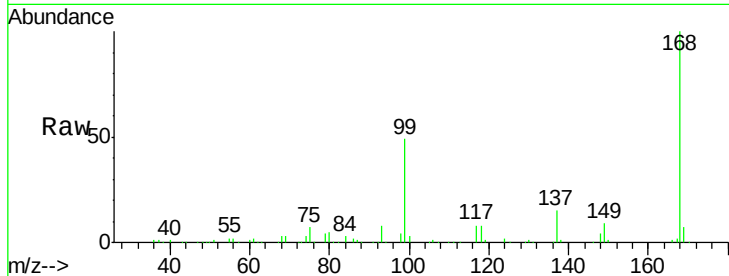
Tot Ion: 75 Resp: 17181

Ion Ratio Lower Upper

75 100

110 8.7 18.4 55.0#

77 0.0 25.0 37.4#



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

8000

6000

4000

2000

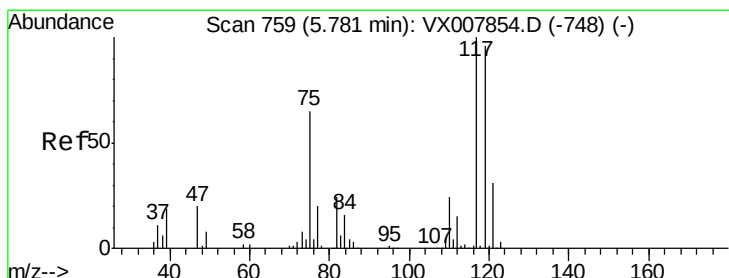
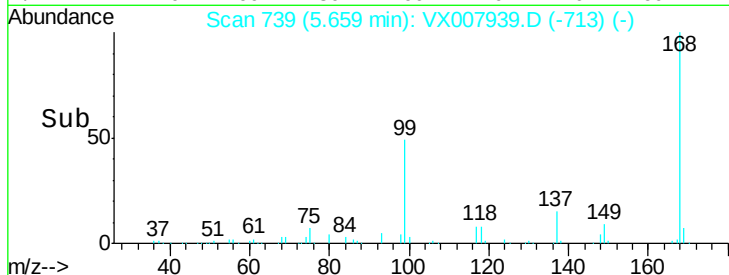
0

5.66

5.60

5.70

Time-->



#38

Carbon Tetrachloride

Concen: 6.295 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007939.D

Acq: 08 Mar 2019 19:09

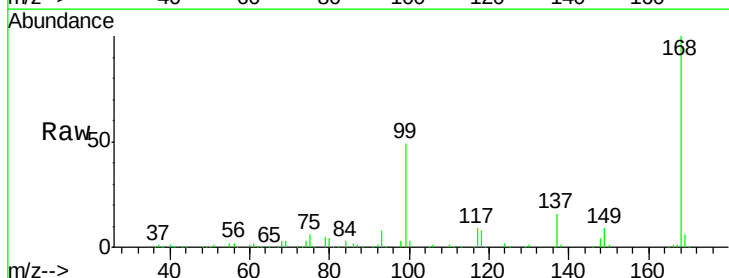
Tgt Ion: 117 Resp: 23347

Ion Ratio Lower Upper

117 100

119 4.4 76.2 114.2#

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

10000

8000

6000

4000

2000

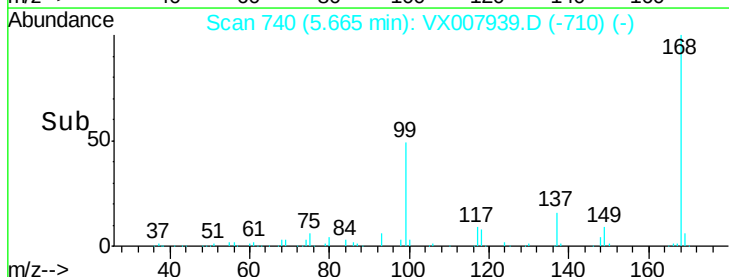
0

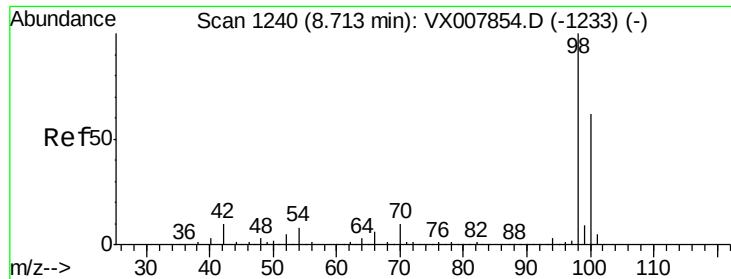
5.67

5.60

5.70

Time-->

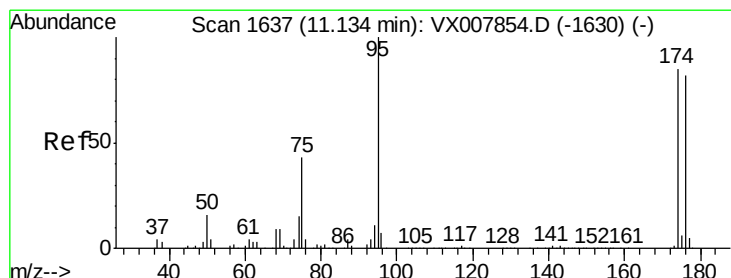
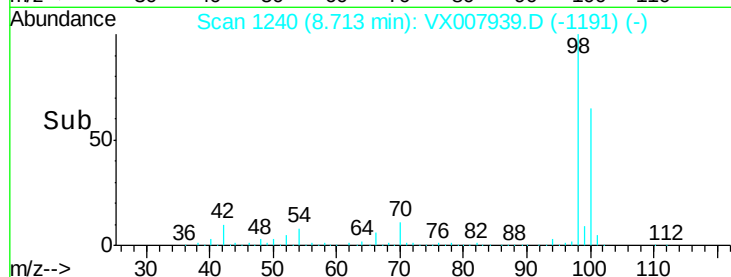
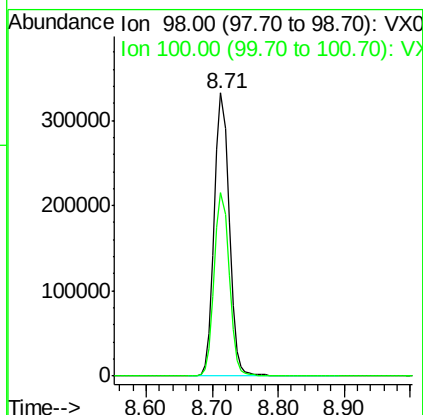
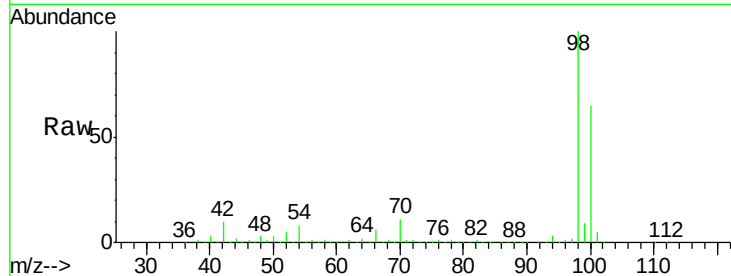




#50
Toluene-d8
Concen: 51.331 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007939.D
Acq: 08 Mar 2019 19:09

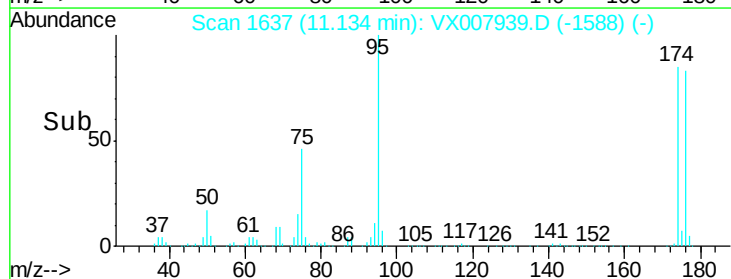
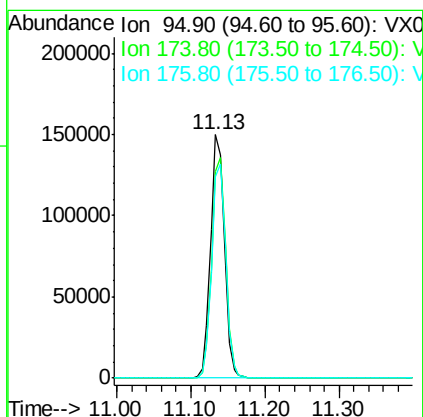
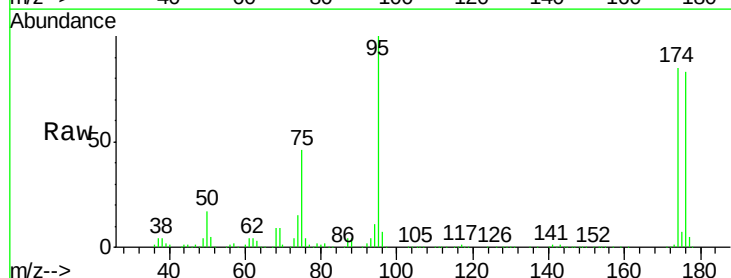
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

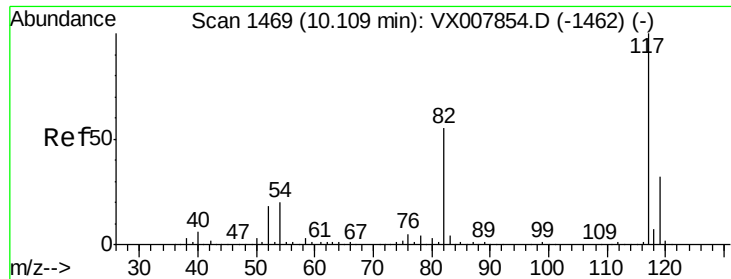
Tot Ion: 98 Resp: 520232
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 53.568 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007939.D
Acq: 08 Mar 2019 19:09

Tgt Ion: 95 Resp: 190344
Ion Ratio Lower Upper
95 100
174 92.1 0.0 182.8
176 89.4 0.0 178.0

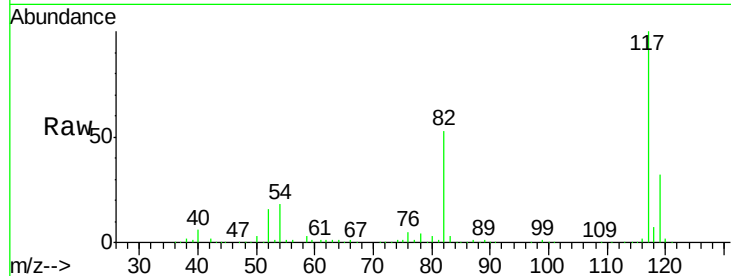




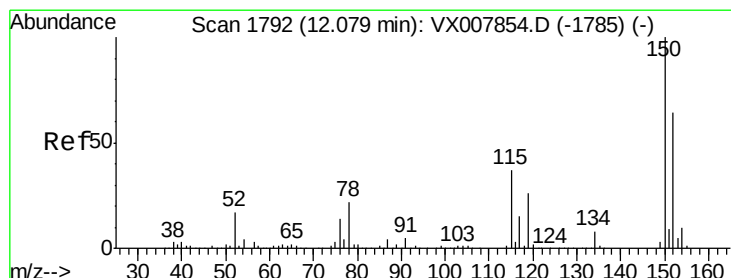
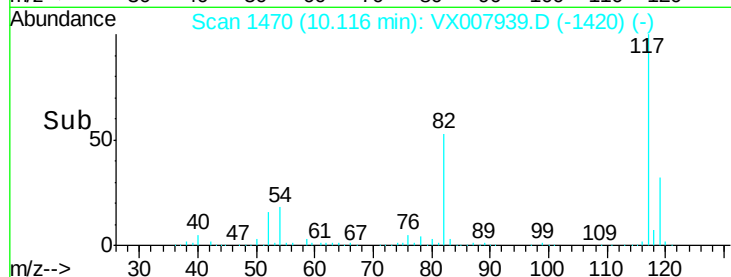
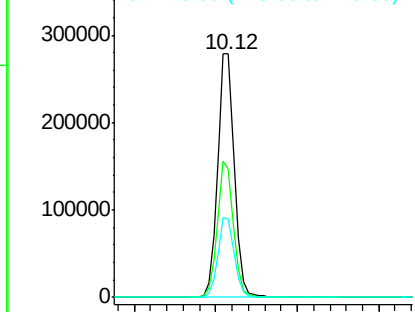
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007939.D
Acq: 08 Mar 2019 19:09

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

Tot Ion:117 Resp: 403642
Ion Ratio Lower Upper
117 100
82 52.7 44.3 66.5
119 32.3 25.3 37.9

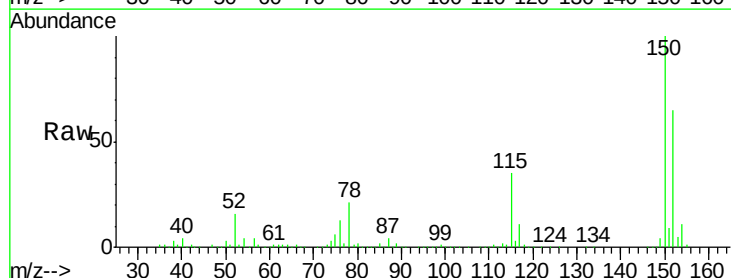


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

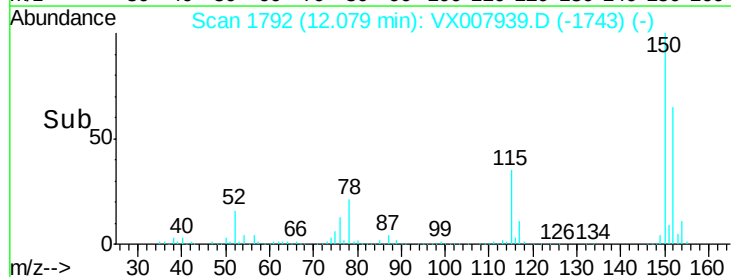
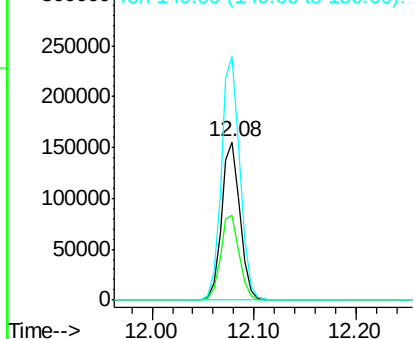


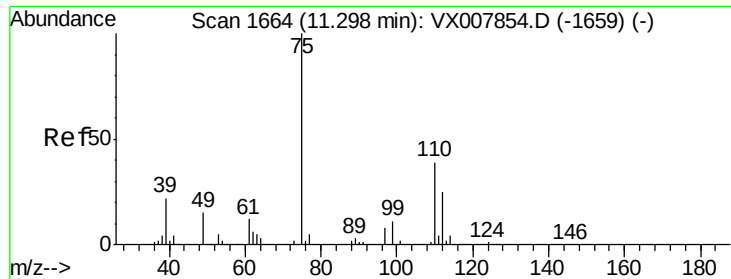
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007939.D
Acq: 08 Mar 2019 19:09

Tgt Ion:152 Resp: 194694
Ion Ratio Lower Upper
152 100
115 55.0 38.6 115.7
150 155.7 0.0 348.4



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

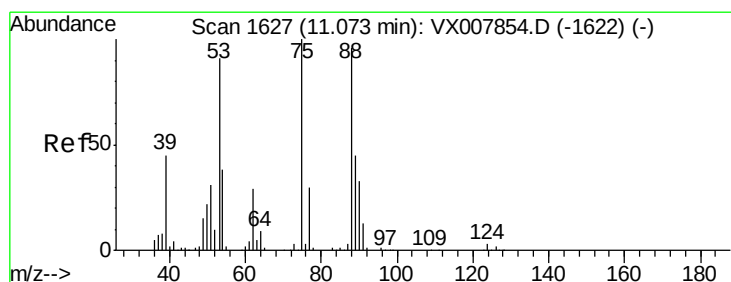
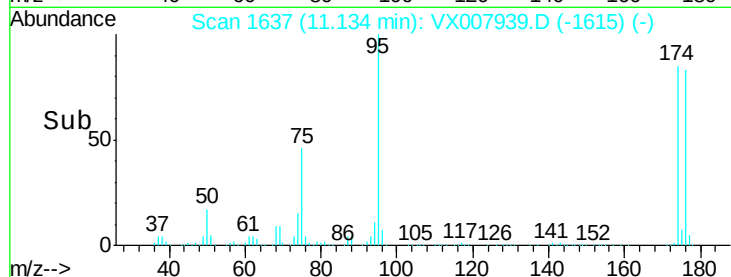
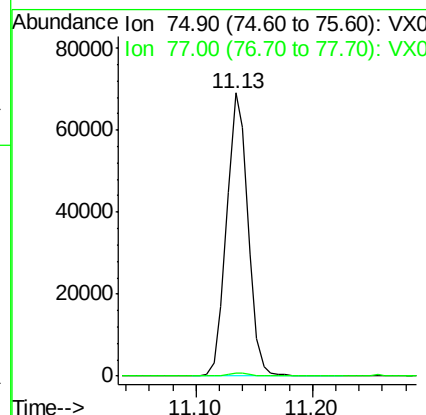
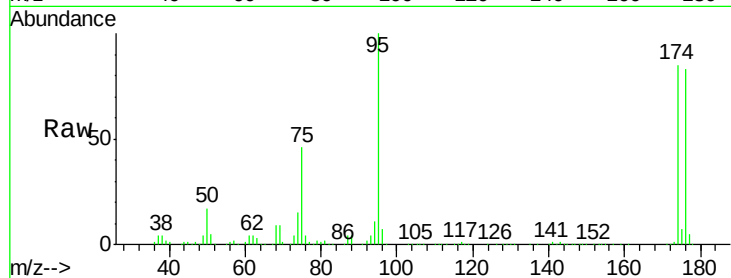




#76
 1,2,3-Trichloropropane
 Concen: 21.339 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007939.D
 Acq: 08 Mar 2019 19:09

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

Tot Ion: 75 Resp: 87182
 Ion Ratio Lower Upper
 75 100
 77 1.2 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.211 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007939.D
 Acq: 08 Mar 2019 19:09

Tgt Ion: 75 Resp: 87182
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.0 36.3 54.5#

