

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101618\
 Data File : VX005358.D
 Acq On : 16 Oct 2018 09:40
 Operator : JC/MD
 Sample : J5521-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-2018-10-13-1

Quant Time: Oct 17 04:54:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	278048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	384870	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	349583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171430	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	161460	52.32	ug/l	-0.01
Spiked Amount						
			Recovery	=	104.64%	
35) Dibromofluoromethane	5.50	113	125333	49.17	ug/l	0.00
Spiked Amount						
			Recovery	=	98.34%	
50) Toluene-d8	8.71	98	467041	53.37	ug/l	0.00
Spiked Amount						
			Recovery	=	106.74%	
62) 4-Bromofluorobenzene	11.14	95	152768	46.47	ug/l	0.00
Spiked Amount						
			Recovery	=	92.94%	

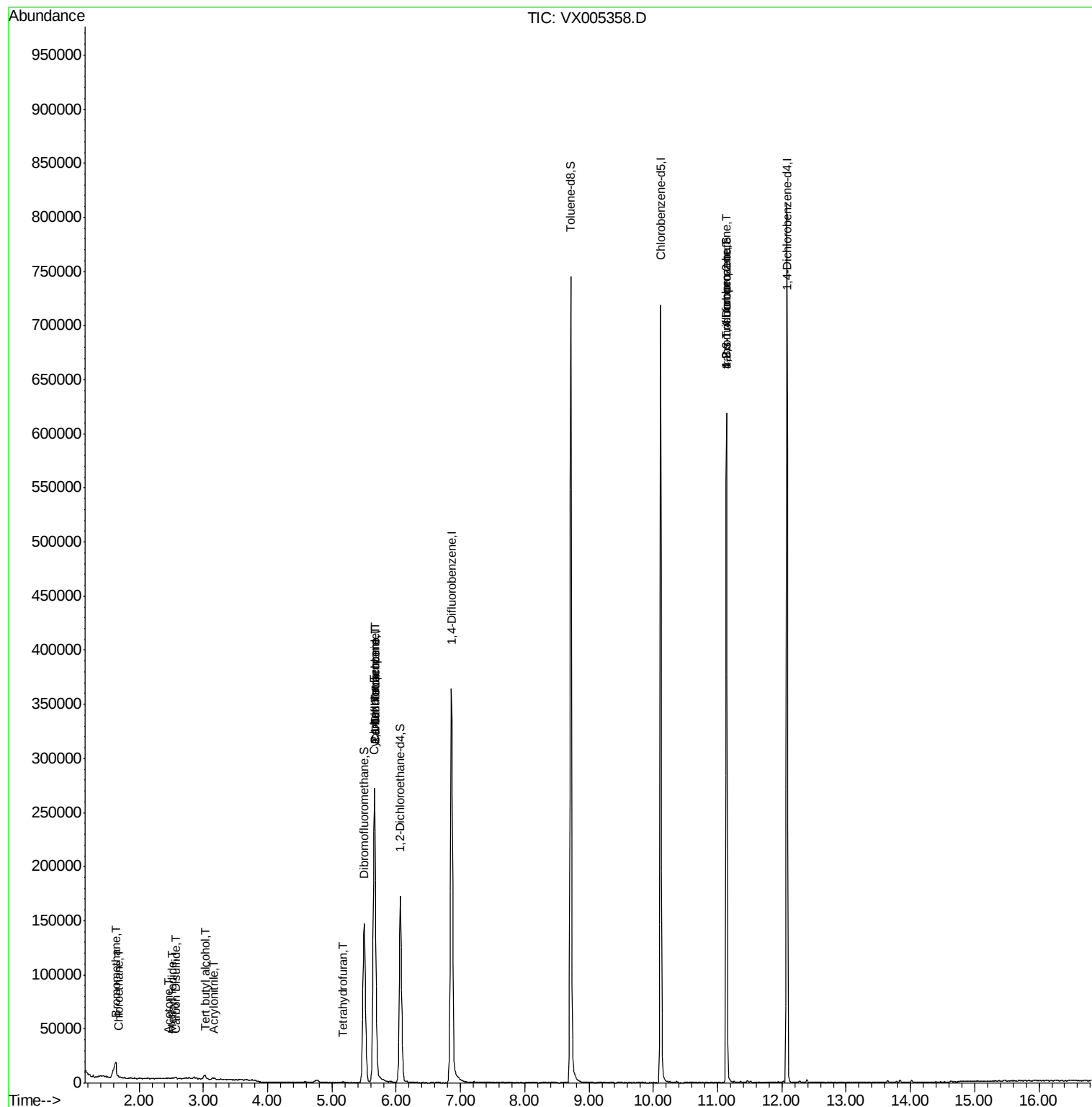
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	845	1.048	ug/l #	74
6) Chloroethane	1.68	64	38	0.353	ug/l #	44
10) Methyl Iodide	2.52	142	621	2.708	ug/l #	88
11) Tert butyl alcohol	3.03	59	2390	2.746	ug/l #	78
13) Acrolein	2.29	56	142	Below Cal	#	1
15) Acrylonitrile	3.15	53	629	0.319	ug/l #	66
16) Acetone	2.45	43	564	0.316	ug/l #	88
17) Carbon Disulfide	2.57	76	1666	0.226	ug/l #	73
20) Methylene Chloride	2.85	84	714	Below Cal	#	75
29) Tetrahydrofuran	5.17	42	676	0.406	ug/l #	57
31) Cyclohexane	5.65	56	5030	1.186	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18462	4.953	ug/l #	45
38) Carbon Tetrachloride	5.66	117	24819	6.627	ug/l #	16
44) Trichloroethene	7.21	130	293	Below Cal		93
76) 1,2,3-Trichloropropane	11.14	75	74644	22.448	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	74644	68.207	ug/l #	10

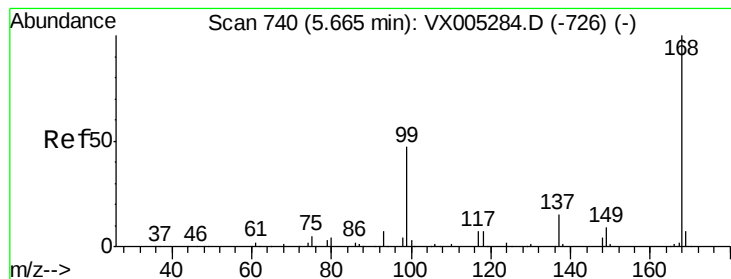
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005358.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

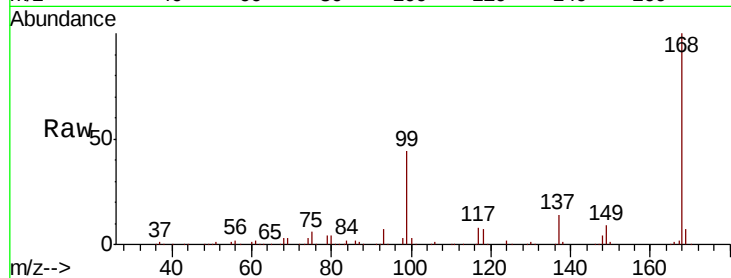
TB-2018-10-13-1

Tgt Ion:168 Resp: 278048

Ion Ratio Lower Upper

168 100

99 43.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

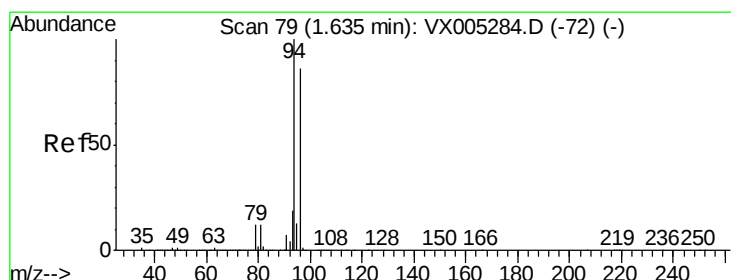
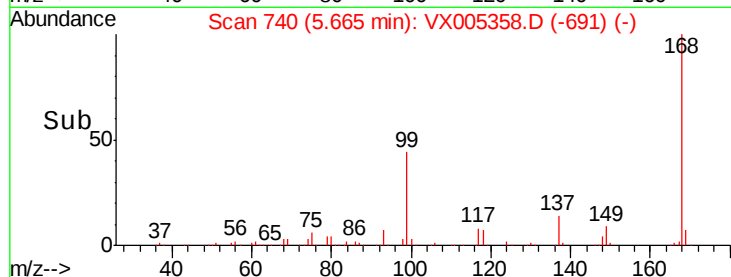
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 1.048 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005358.D

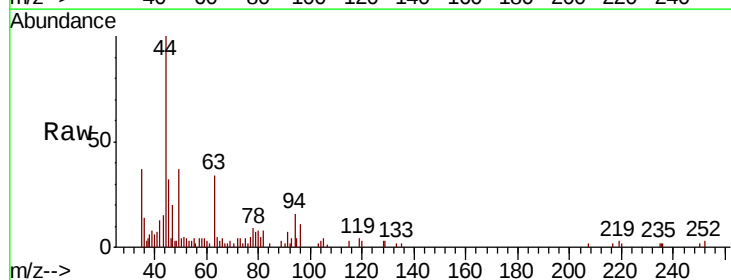
Acq: 16 Oct 2018 09:40

Tgt Ion: 94 Resp: 845

Ion Ratio Lower Upper

94 100

96 68.2 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

500

400

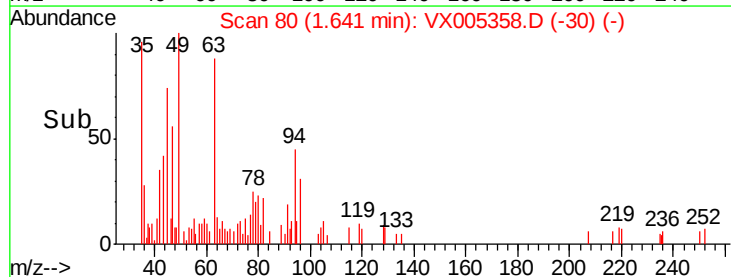
300

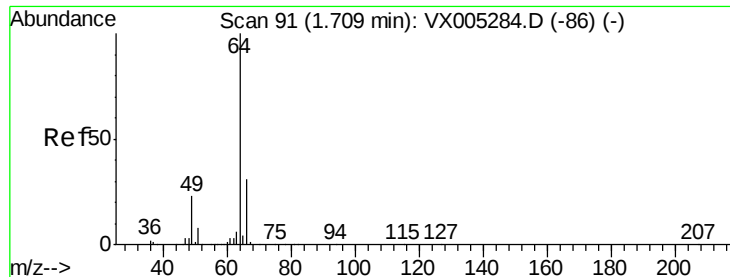
200

100

0

Time-->





#6

Chloroethane

Concen: 0.353 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.02 min

Lab File: VX005358.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

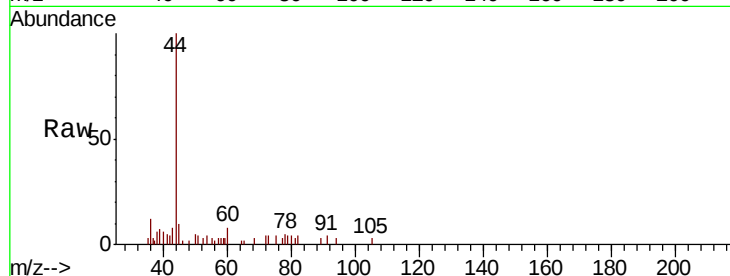
TB-2018-10-13-1

Tgt Ion: 64 Resp: 38

Ion Ratio Lower Upper

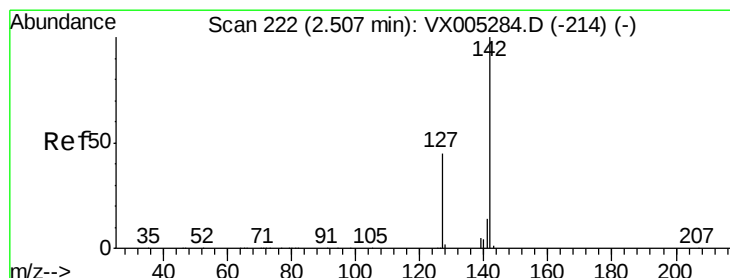
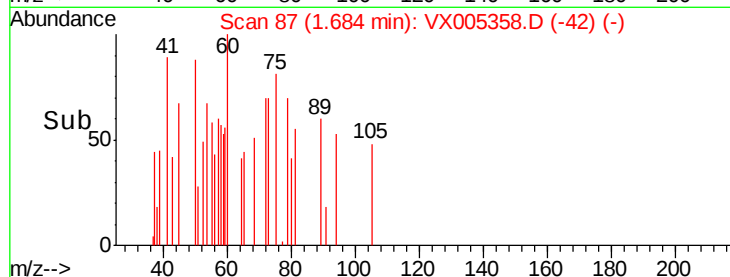
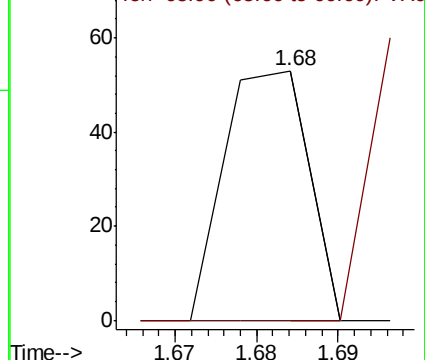
64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.708 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005358.D

Acq: 16 Oct 2018 09:40

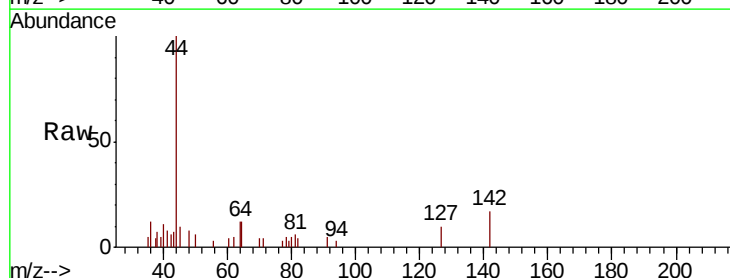
Tgt Ion: 142 Resp: 621

Ion Ratio Lower Upper

142 100

127 47.0 33.8 50.6

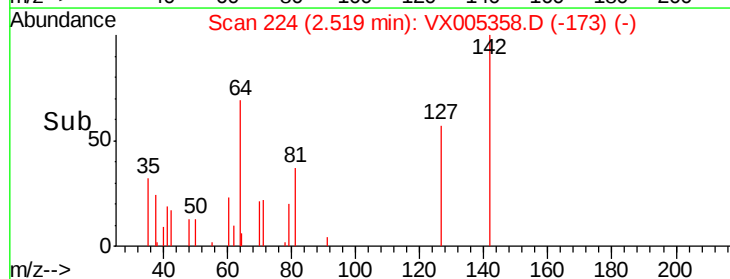
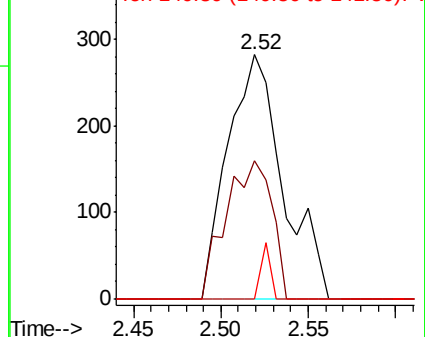
141 3.7 11.4 17.0#

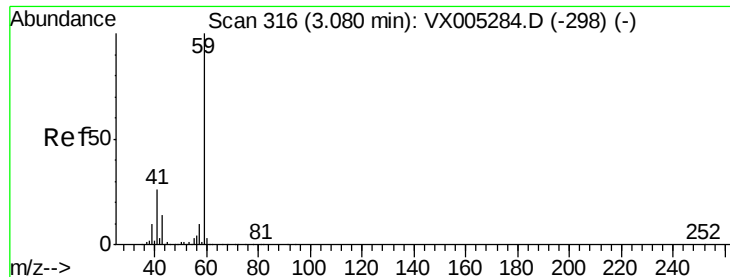


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

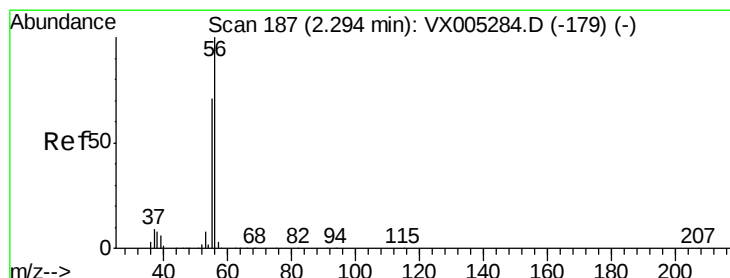
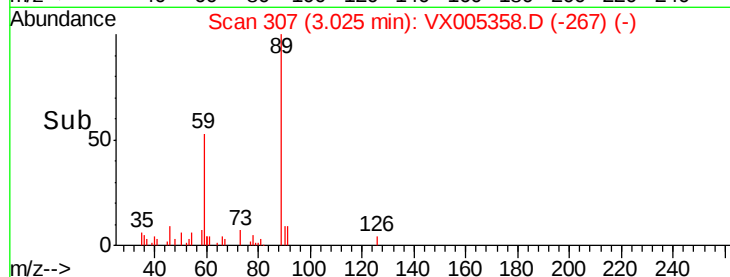
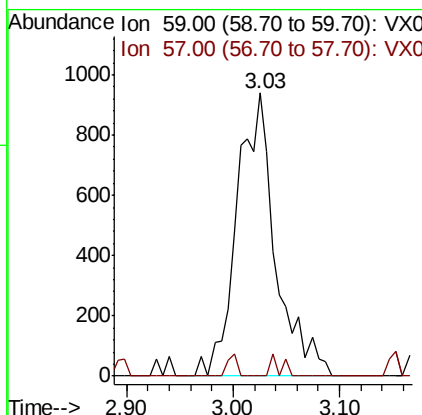
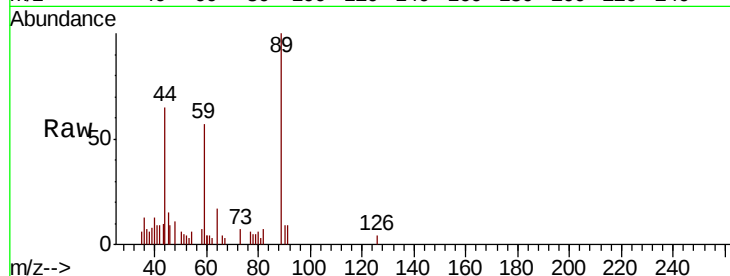




#11
Tert butyl alcohol
Concen: 2.746 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX005358.D
Acq: 16 Oct 2018 09:40

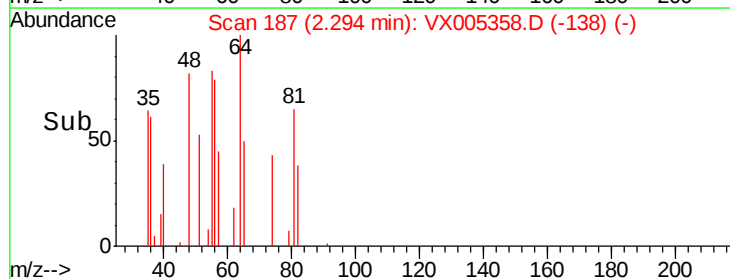
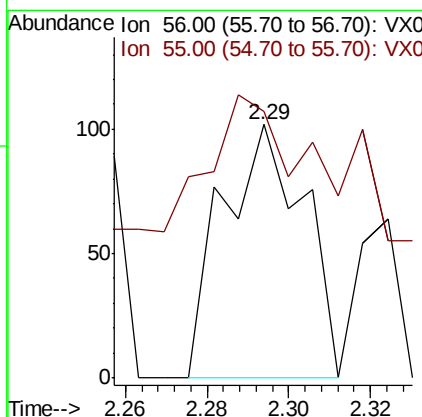
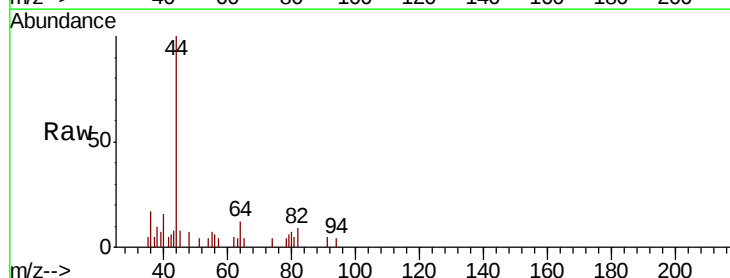
Instrument :
MSVOA_X
ClientSampled :
TB-2018-10-13-1

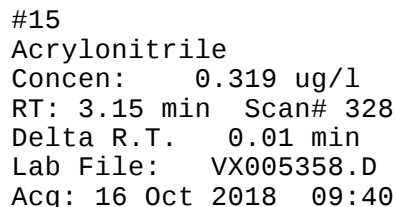
Tgt Ion: 59 Resp: 2390
Ion Ratio Lower Upper
59 100
57 2.0 8.2 12.4#



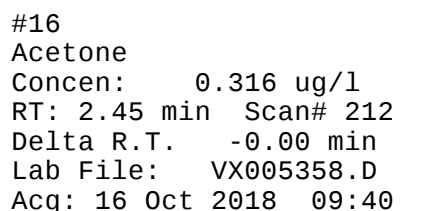
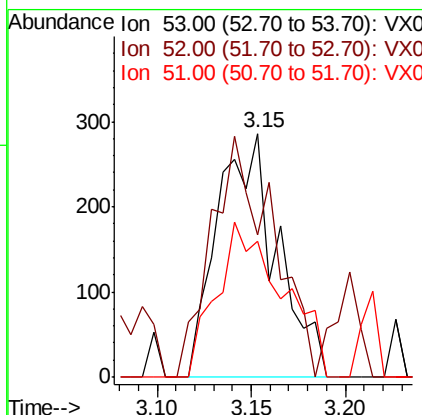
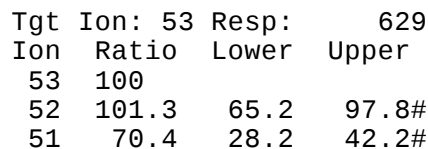
#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005358.D
Acq: 16 Oct 2018 09:40

Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 295.1 54.7 82.1#

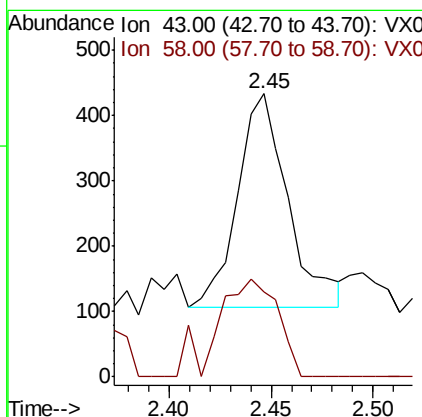


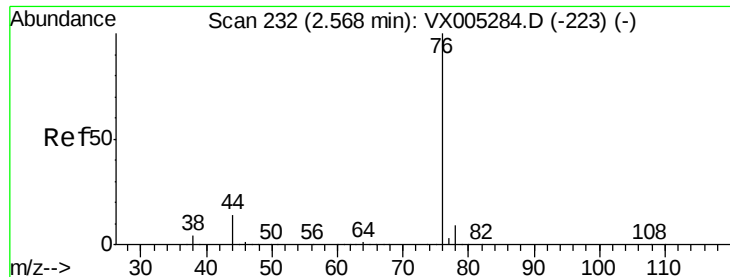


Instrument :
MSVOA_X
ClientSampleId :
TB-2018-10-13-1



Tgt	Ion: 43	Resp:	564
Ion	Ratio	Lower	Upper
43	100		
58	39.8	26.2	39.4#





#17

Carbon Disulfide

Concen: 0.226 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005358.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

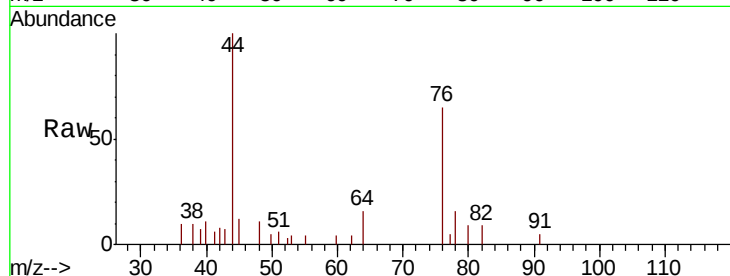
TB-2018-10-13-1

Tgt Ion: 76 Resp: 1666

Ion Ratio Lower Upper

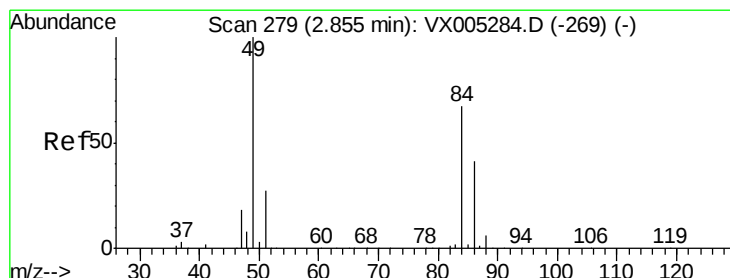
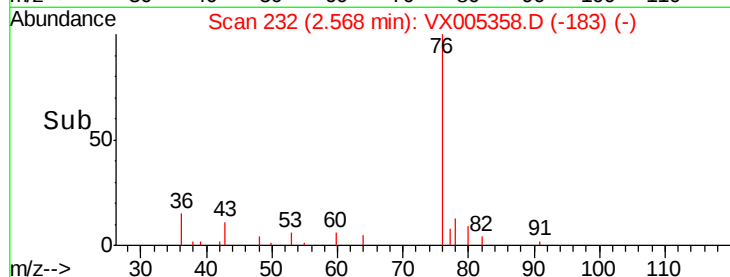
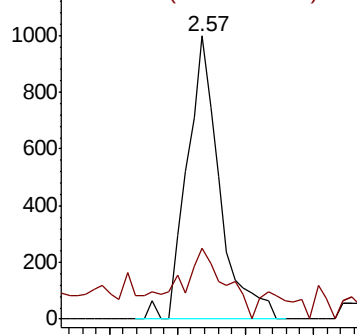
76 100

78 18.4 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005358.D

Acq: 16 Oct 2018 09:40

Tgt Ion: 84 Resp: 714

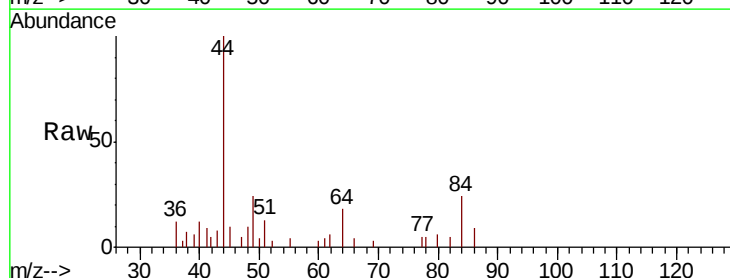
Ion Ratio Lower Upper

84 100

49 97.2 101.2 151.8#

51 37.6 29.5 44.3

86 36.0 52.3 78.5#

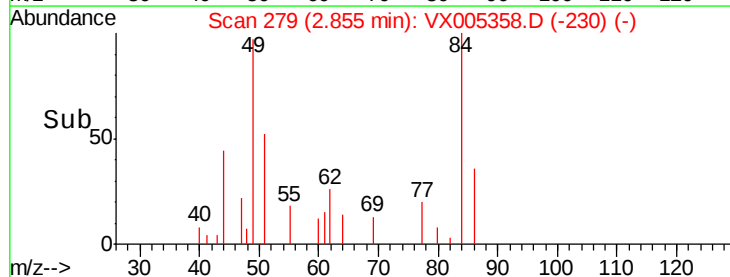
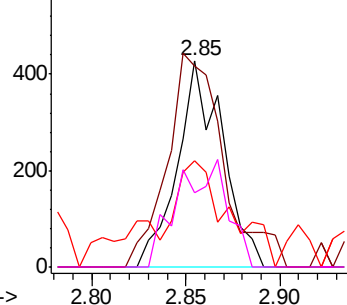


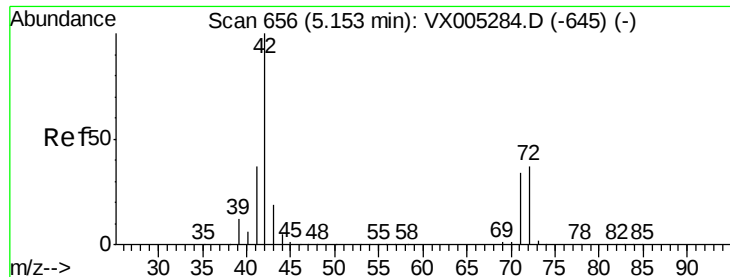
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#29

Tetrahydrofuran

Concen: 0.406 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX005358.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

TB-2018-10-13-1

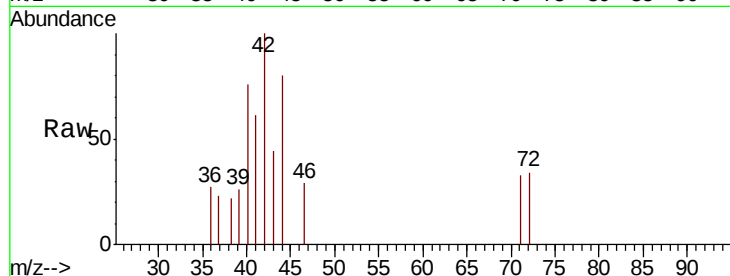
Tgt Ion: 42 Resp: 676

Ion Ratio Lower Upper

42 100

72 22.3 37.4 56.0#

71 11.5 34.5 51.7#

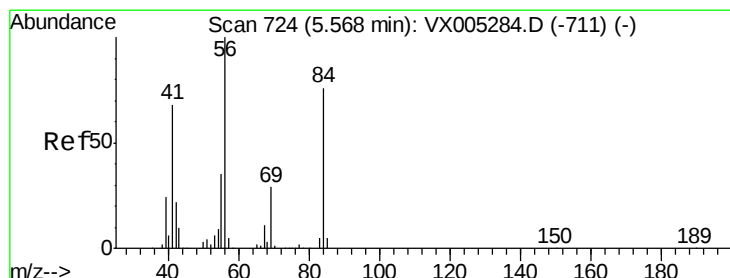
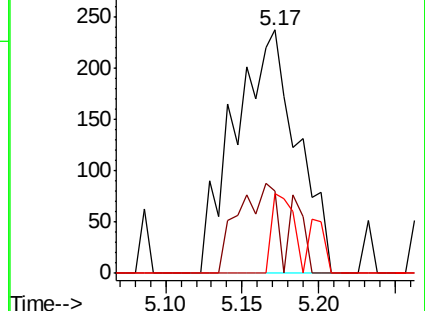
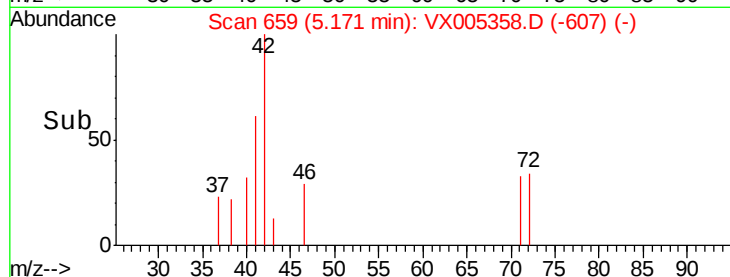


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

Time-->



#31

Cyclohexane

Concen: 1.186 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.09 min

Lab File: VX005358.D

Acq: 16 Oct 2018 09:40

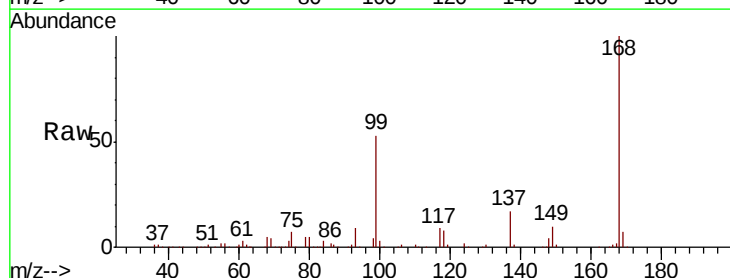
Tgt Ion: 56 Resp: 5030

Ion Ratio Lower Upper

56 100

69 170.8 25.4 38.2#

84 154.2 71.4 107.2#

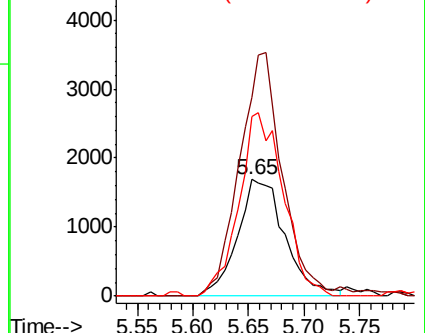
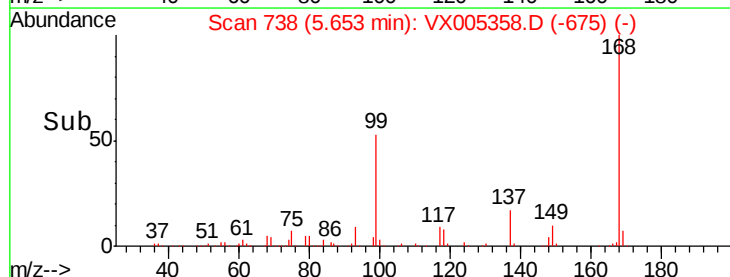


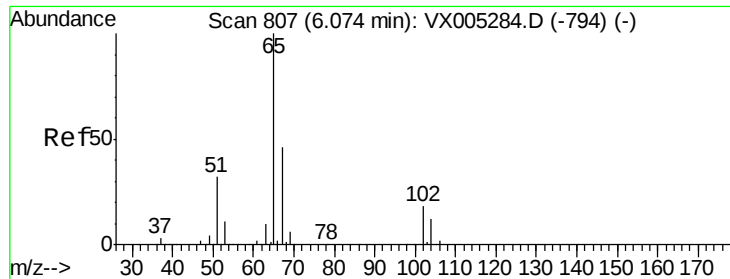
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.322 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005358.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

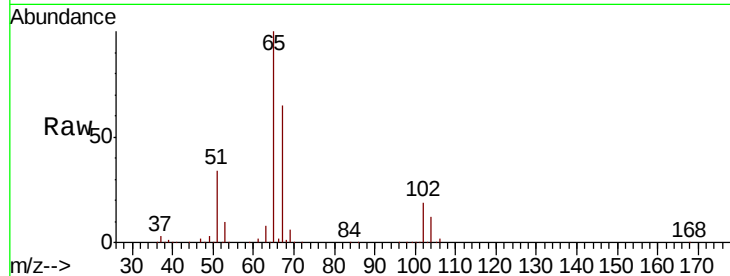
TB-2018-10-13-1

Tgt Ion: 65 Resp: 161460

Ion Ratio Lower Upper

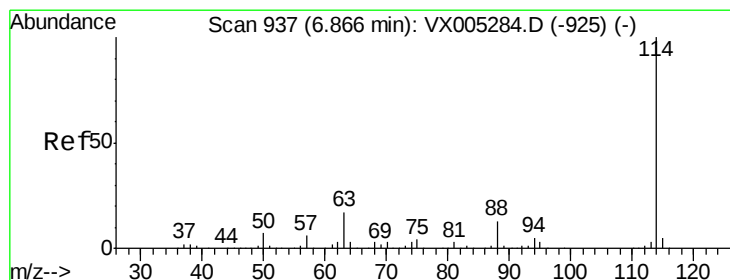
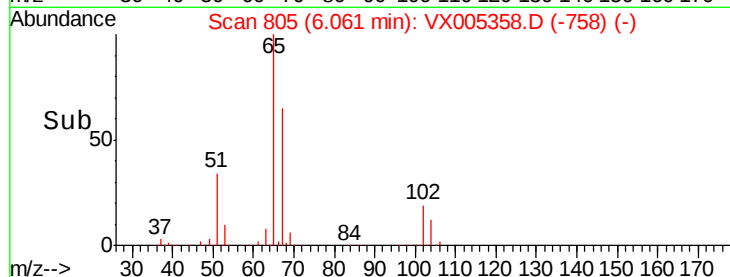
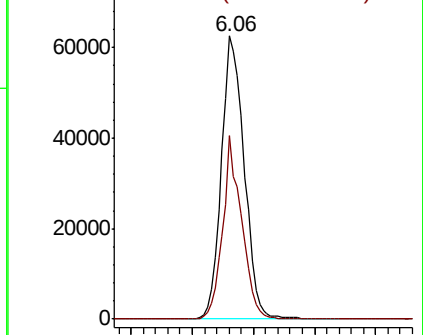
65 100

67 53.7 0.0 106.8



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. -0.01 min

Lab File: VX005358.D

Acq: 16 Oct 2018 09:40

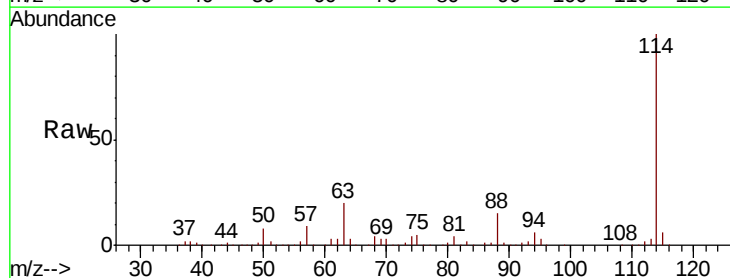
Tgt Ion: 114 Resp: 384870

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.0

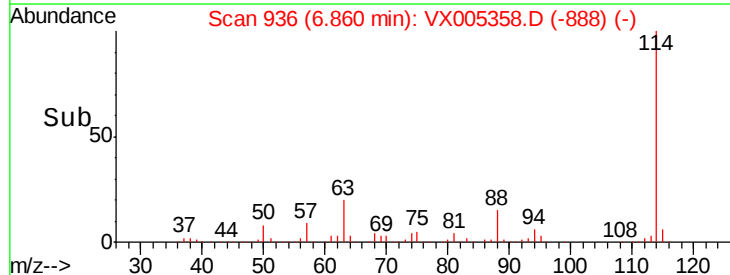
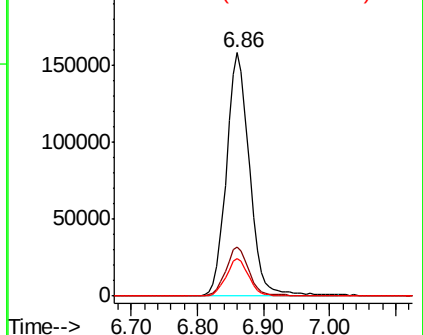
88 15.3 0.0 30.4

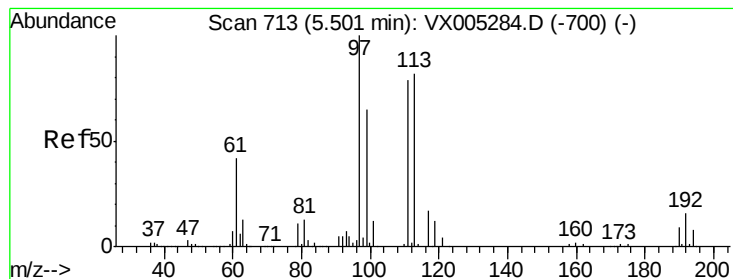


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.168 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005358.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

TB-2018-10-13-1

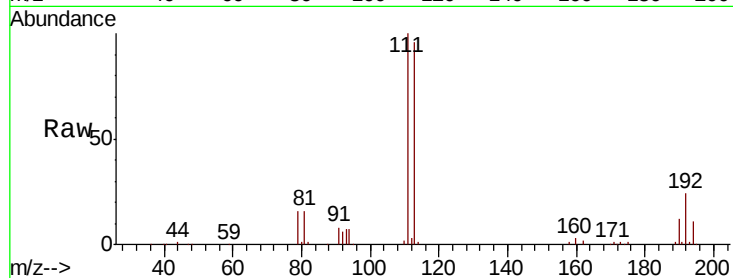
Tgt Ion:113 Resp: 125333

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

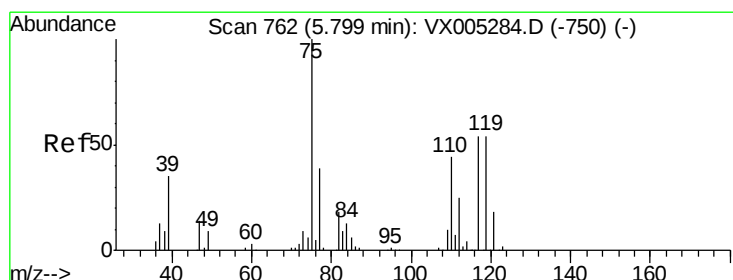
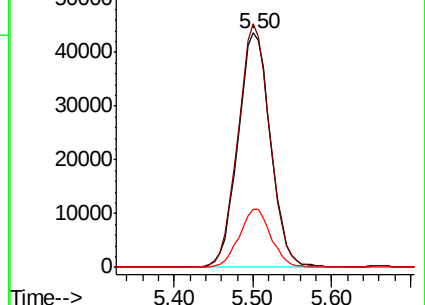
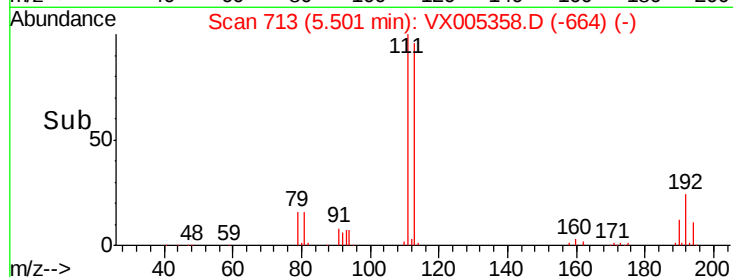
192 24.4 19.4 29.2



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: 4.953 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005358.D

Acq: 16 Oct 2018 09:40

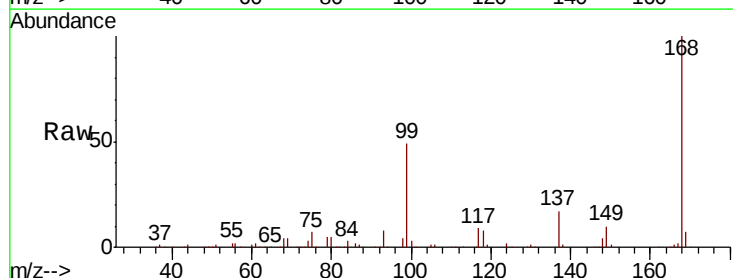
Tgt Ion: 75 Resp: 18462

Ion Ratio Lower Upper

75 100

110 4.3 18.0 54.0#

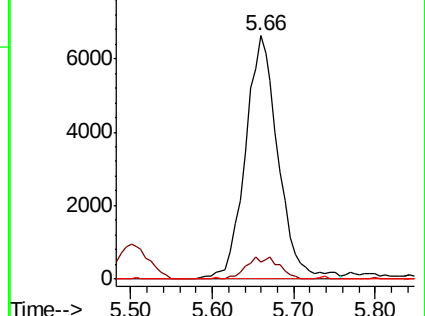
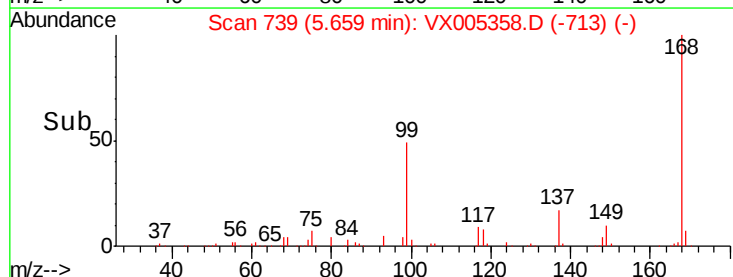
77 0.0 24.6 36.8#

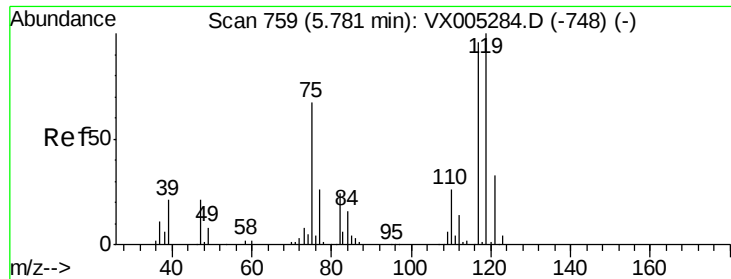


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.627 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005358.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

TB-2018-10-13-1

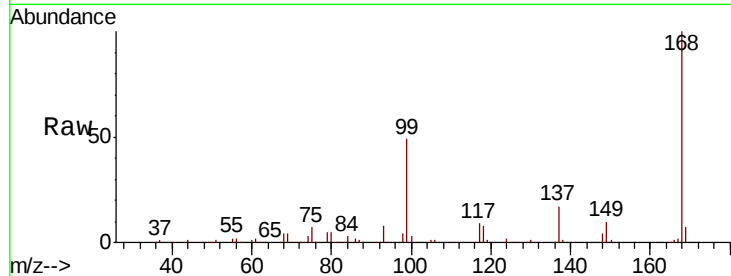
Tgt Ion:117 Resp: 24819

Ion Ratio Lower Upper

117 100

119 6.8 78.8 118.2#

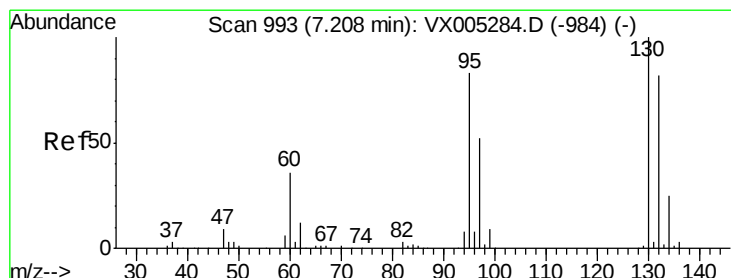
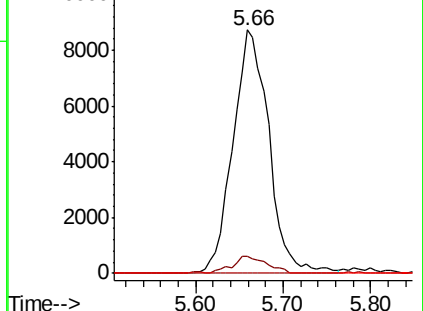
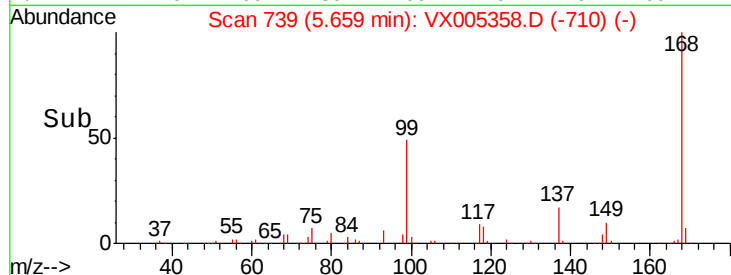
121 0.0 24.9 37.3#



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



#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX005358.D

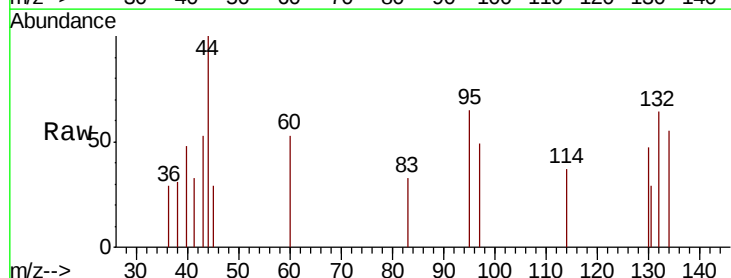
Acq: 16 Oct 2018 09:40

Tgt Ion:130 Resp: 293

Ion Ratio Lower Upper

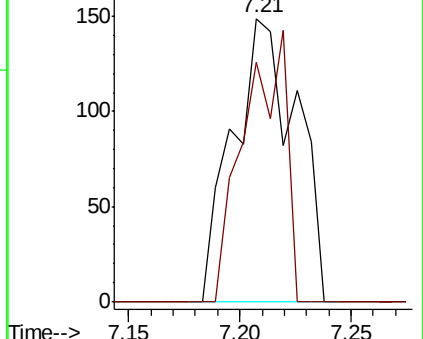
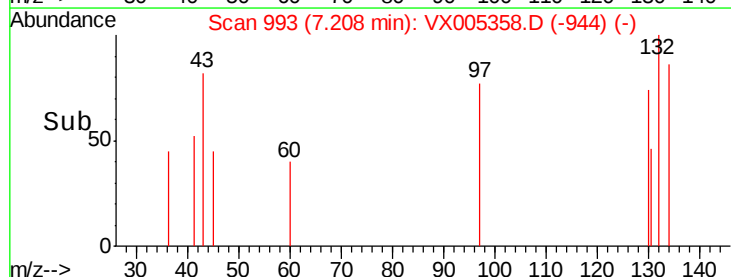
130 100

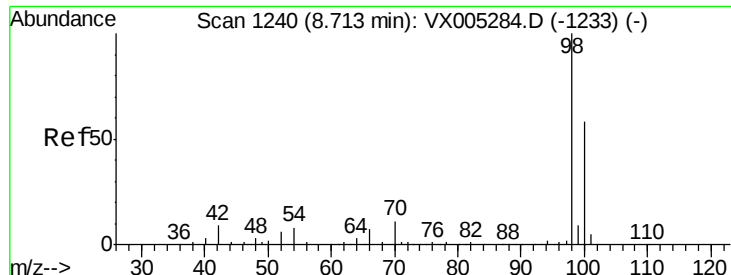
95 84.6 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 53.369 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005358.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

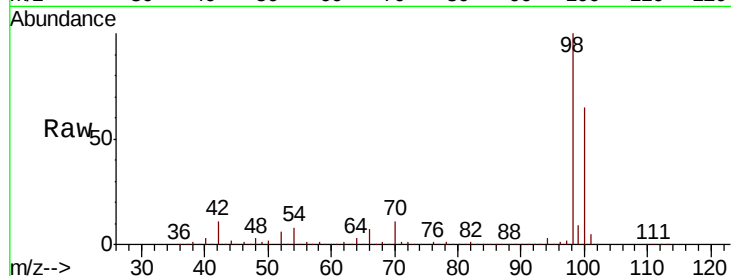
TB-2018-10-13-1

Tgt Ion: 98 Resp: 467041

Ion Ratio Lower Upper

98 100

100 63.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

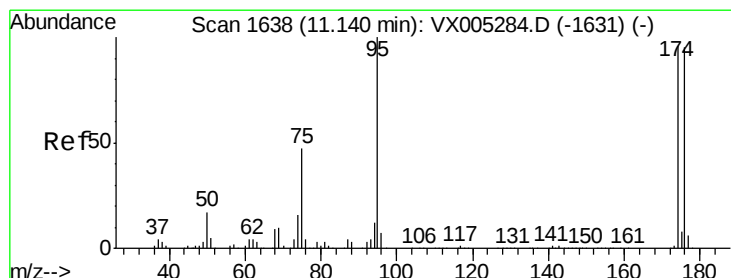
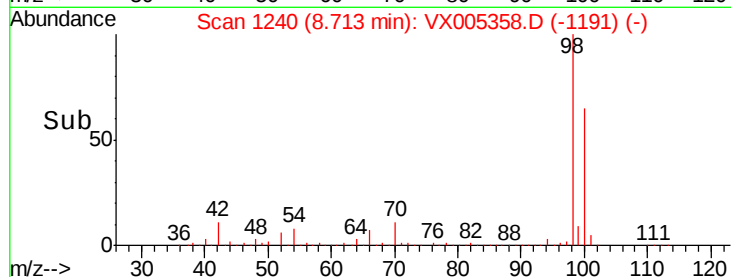
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.469 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005358.D

Acq: 16 Oct 2018 09:40

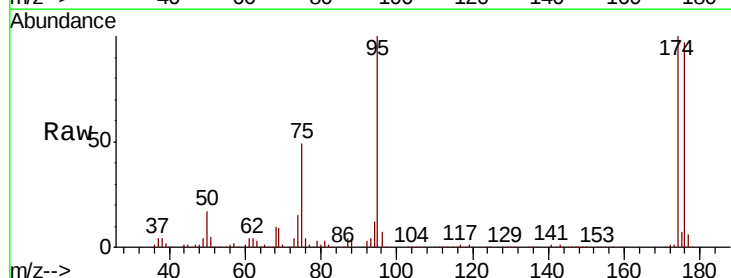
Tgt Ion: 95 Resp: 152768

Ion Ratio Lower Upper

95 100

174 95.7 0.0 185.2

176 92.7 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

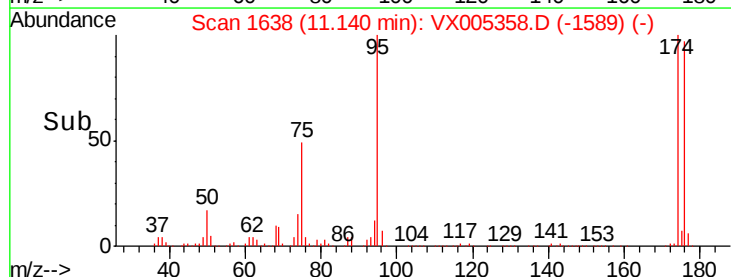
150000

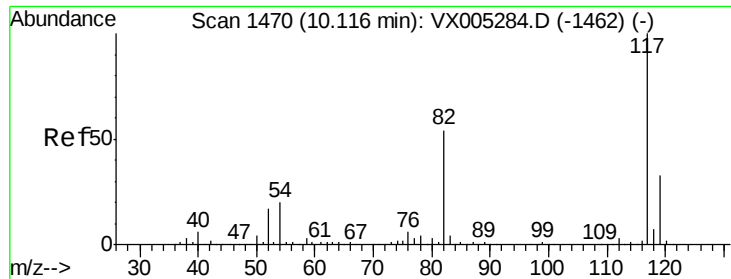
100000

50000

0

Time-->

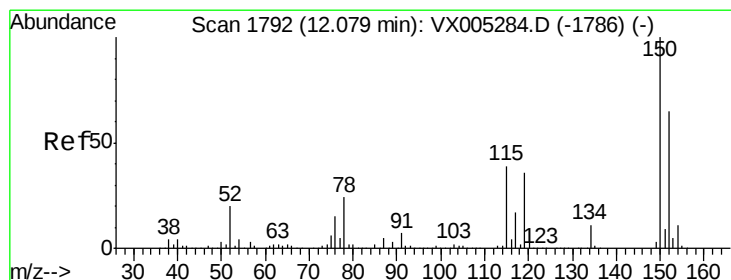
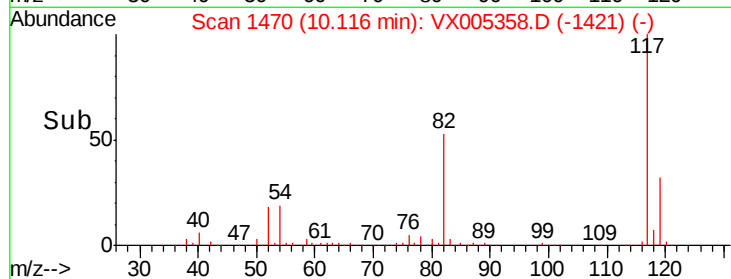
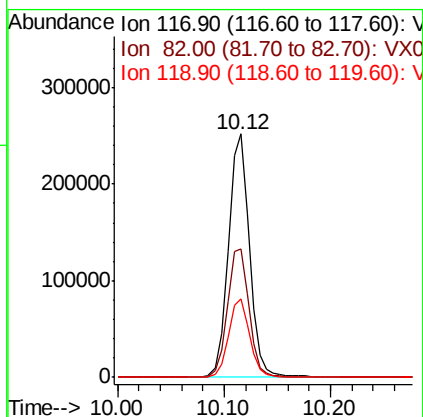
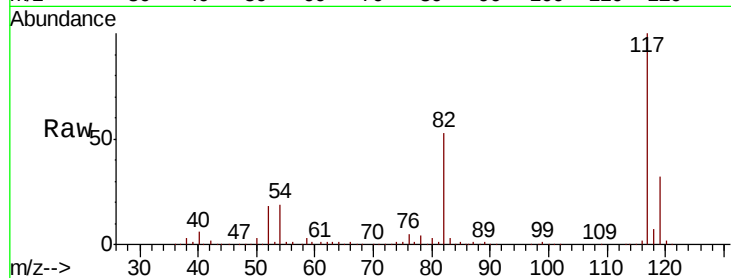




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005358.D
Acq: 16 Oct 2018 09:40

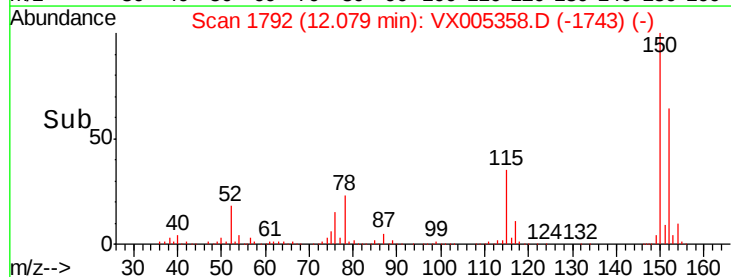
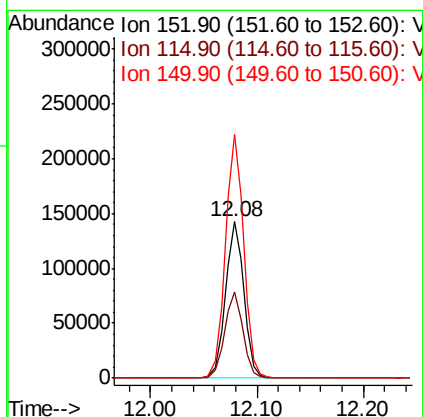
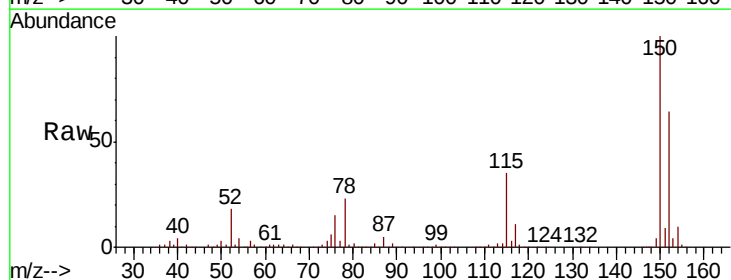
Instrument :
MSVOA_X
ClientSampleId :
TB-2018-10-13-1

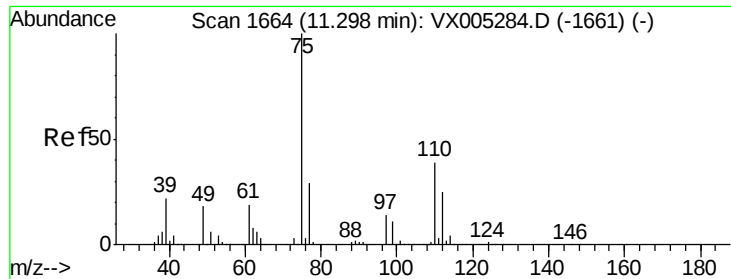
Tgt Ion:117 Resp: 349583
Ion Ratio Lower Upper
117 100
82 52.7 47.8 71.6
119 32.1 29.3 43.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005358.D
Acq: 16 Oct 2018 09:40

Tgt Ion:152 Resp: 171430
Ion Ratio Lower Upper
152 100
115 54.8 39.0 117.0
150 155.3 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 22.448 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005358.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

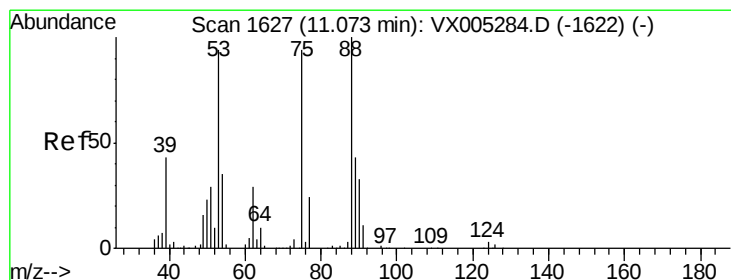
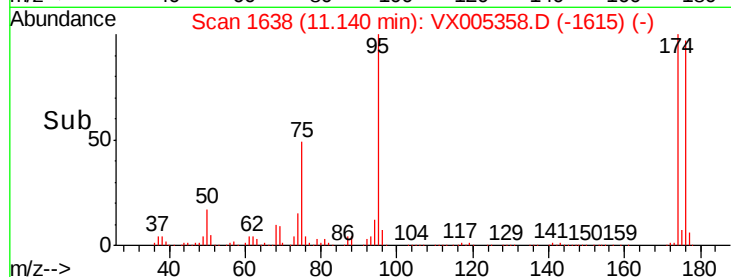
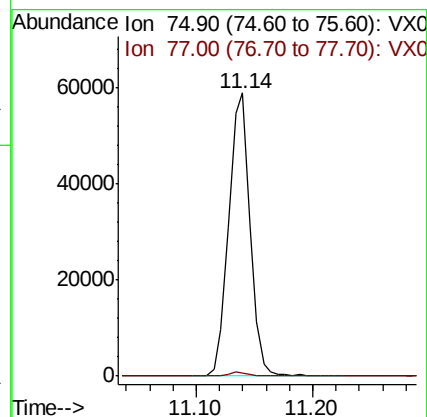
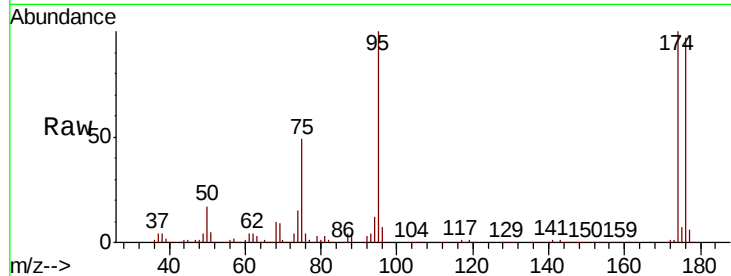
TB-2018-10-13-1

Tgt Ion: 75 Resp: 74644

Ion Ratio Lower Upper

75 100

77 1.5 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.207 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005358.D

Acq: 16 Oct 2018 09:40

Tgt Ion: 75 Resp: 74644

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

