

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041619\
 Data File : VX008982.D
 Acq On : 16 Apr 2019 13:08
 Operator : JC/SP
 Sample : K2387-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS042MW132-190411

Quant Time: Apr 17 04:16:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 09:35:21 2019
 Response via : Initial Calibration

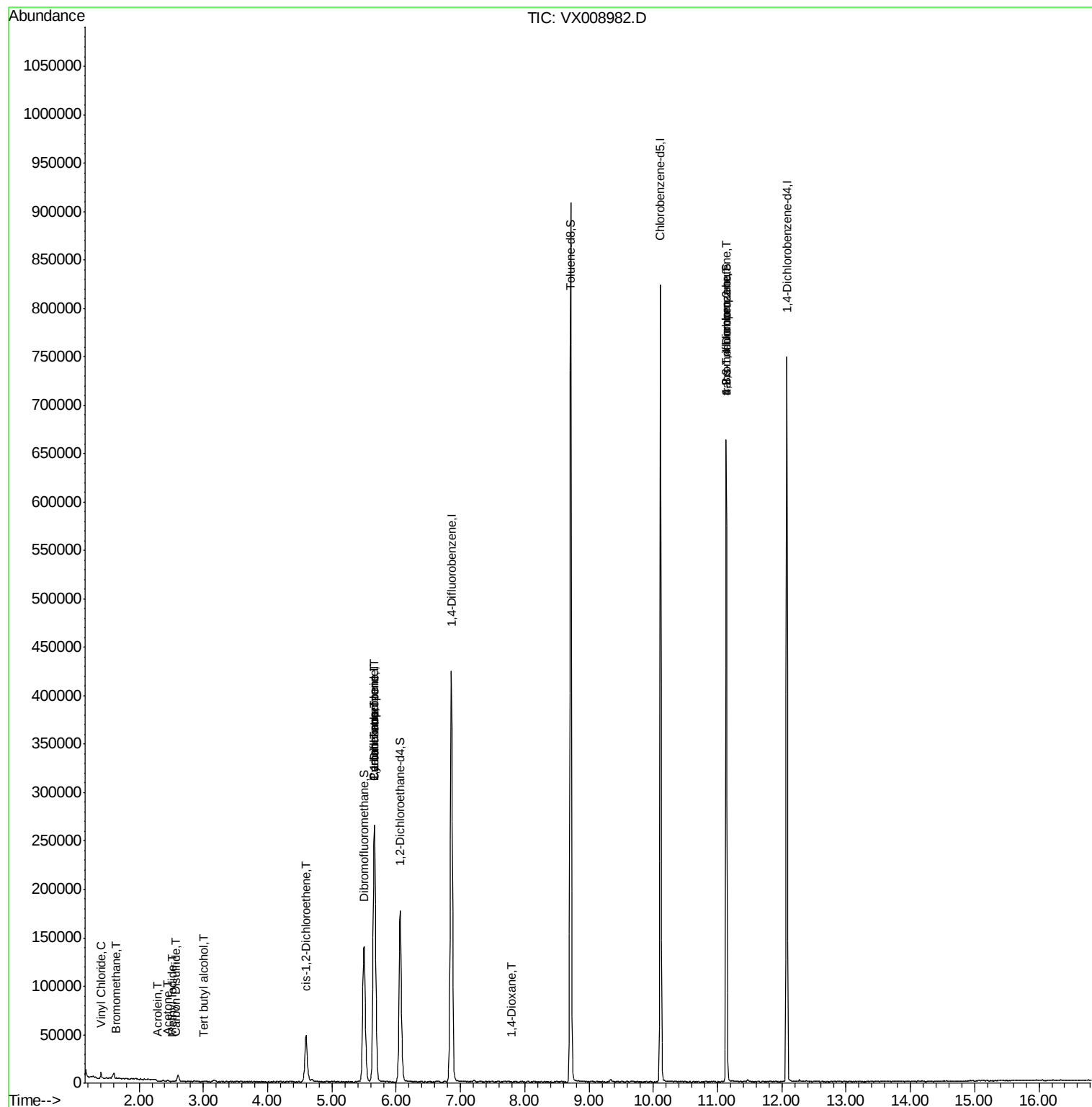
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	259735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	414391	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	358852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	153347	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	167670	45.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.62%	
35) Dibromofluoromethane	5.50	113	122304	45.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.98%	
50) Toluene-d8	8.71	98	514473	48.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	11.13	95	171244	45.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.48%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.41	62	4385	1.227	ug/l	93
5) Bromomethane	1.65	94	403	4.014	ug/l	84
10) Methyl Iodide	2.51	142	293	4.506	ug/l #	42
11) Tert butyl alcohol	3.00	59	184	0.226	ug/l #	72
13) Acrolein	2.29	56	189	0.269	ug/l #	65
16) Acetone	2.44	43	1710	0.901	ug/l	94
17) Carbon Disulfide	2.57	76	764	1.344	ug/l #	71
27) cis-1,2-Dichloroethene	4.60	96	28480	8.443	ug/l	91
28) Bromochloromethane	5.03	49	53	Below Cal	#	21
31) Cyclohexane	5.66	56	5521	0.947	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20683	4.826	ug/l #	50
38) Carbon Tetrachloride	5.67	117	23946	6.591	ug/l #	19
49) 1,4-Dioxane	7.80	88	20	0.243	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	87022	23.240	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	87022	59.665	ug/l #	11

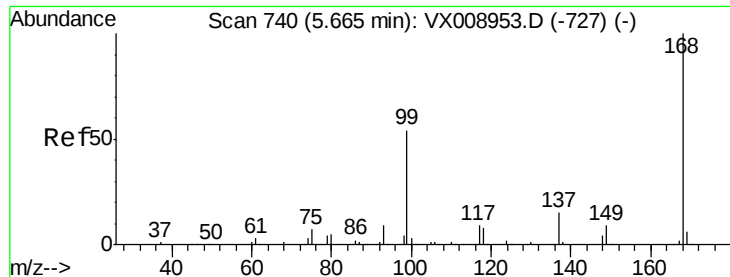
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008982.D

Acq: 16 Apr 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

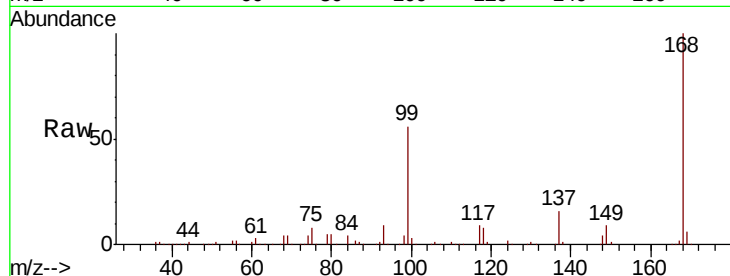
SS042MW132-190411

Tot Ion:168 Resp: 259735

Ion Ratio Lower Upper

168 100

99 56.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

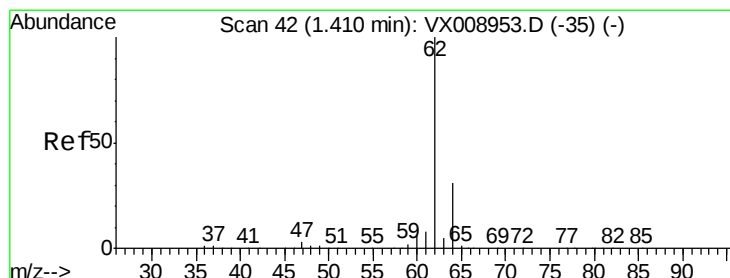
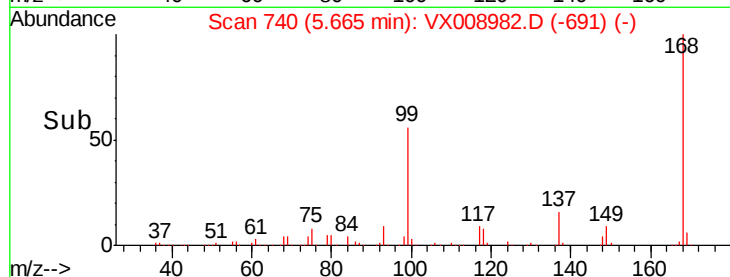
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 1.227 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008982.D

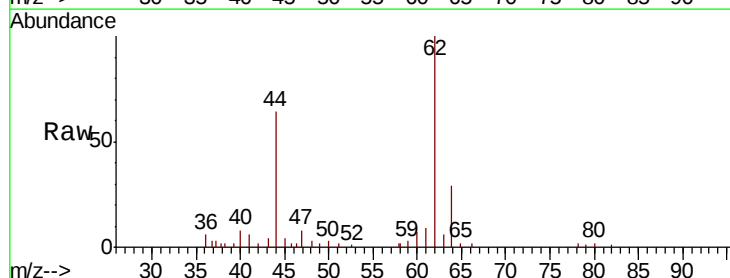
Acq: 16 Apr 2019 13:08

Tgt Ion: 62 Resp: 4385

Ion Ratio Lower Upper

62 100

64 27.5 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

4000

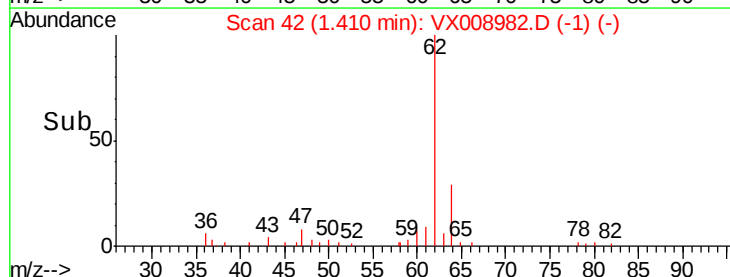
3000

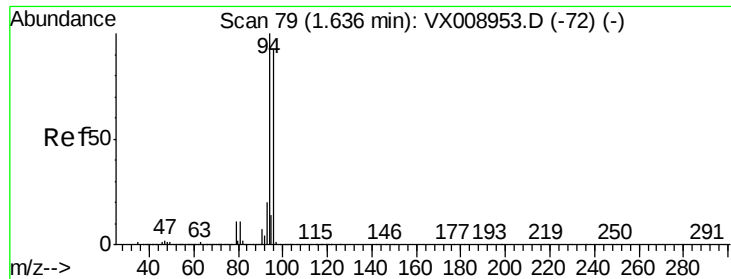
2000

1000

0

Time--> 1.35 1.40 1.45





#5

Bromomethane

Concen: 4.014 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008982.D

Acq: 16 Apr 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

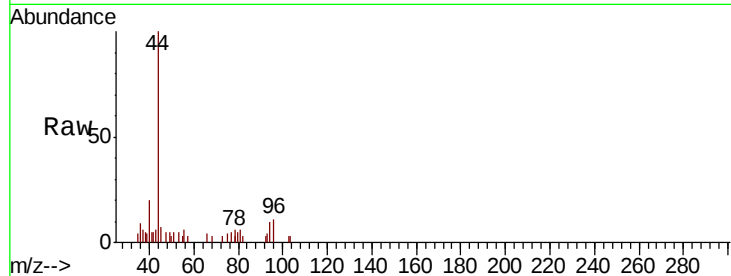
SS042MW132-190411

Tot Ion: 94 Resp: 403

Ion Ratio Lower Upper

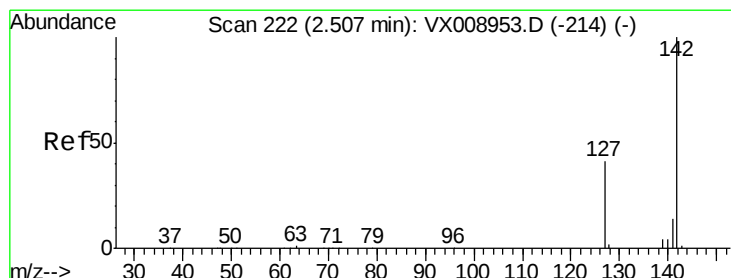
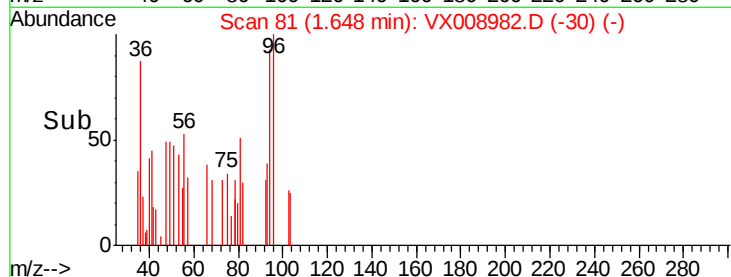
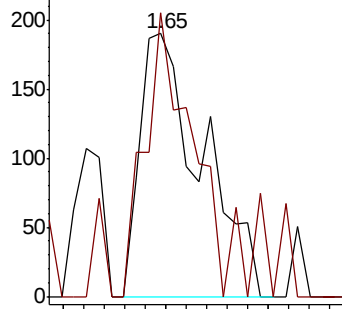
94 100

96 107.9 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.506 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008982.D

Acq: 16 Apr 2019 13:08

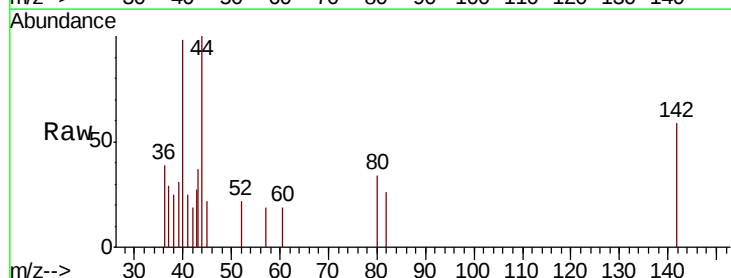
Tgt Ion: 142 Resp: 293

Ion Ratio Lower Upper

142 100

127 0.0 32.8 49.2#

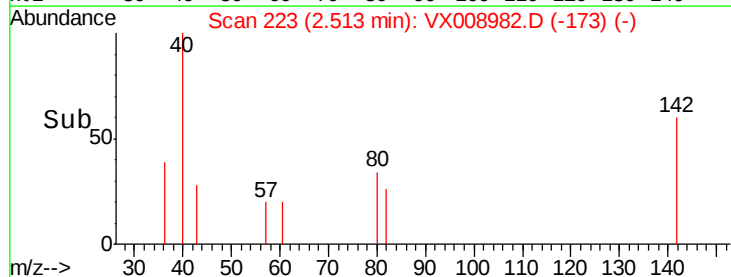
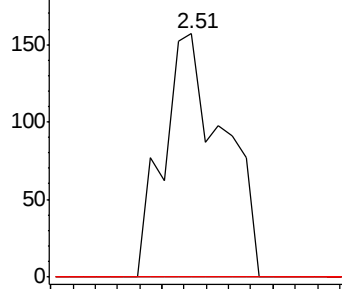
141 0.0 11.4 17.2#

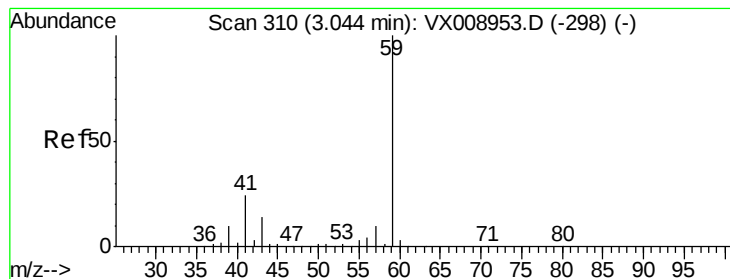


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



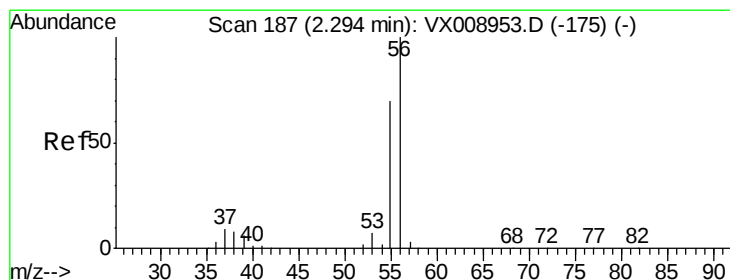
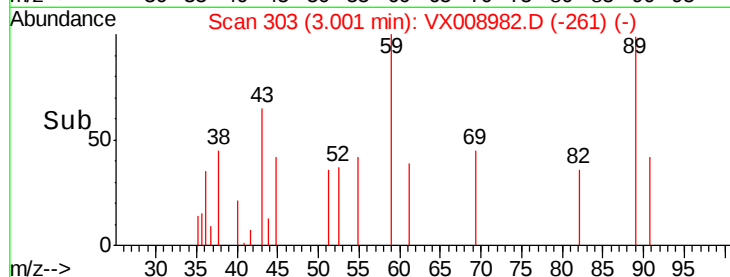
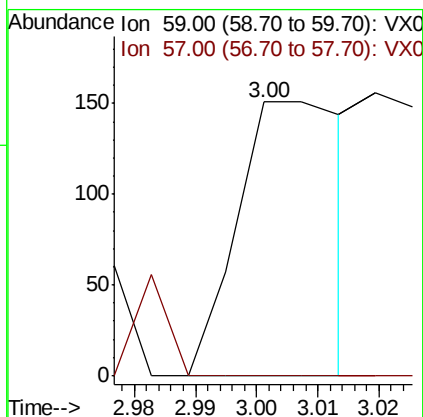
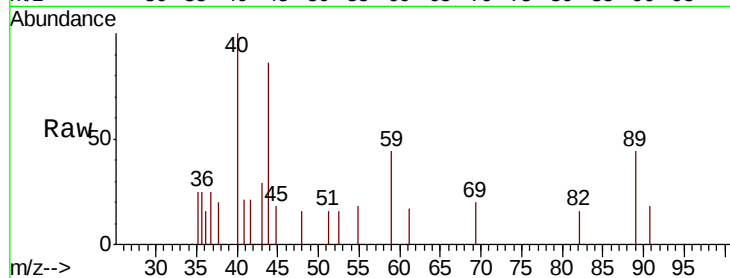


#11

Tert butyl alcohol
 Concen: 0.226 ug/l
 RT: 3.00 min Scan# 303
 Delta R.T. -0.04 min
 Lab File: VX008982.D
 Acq: 16 Apr 2019 13:08

Instrument :
 MSVOA_X
 ClientSampleId :
 SS042MW132-190411

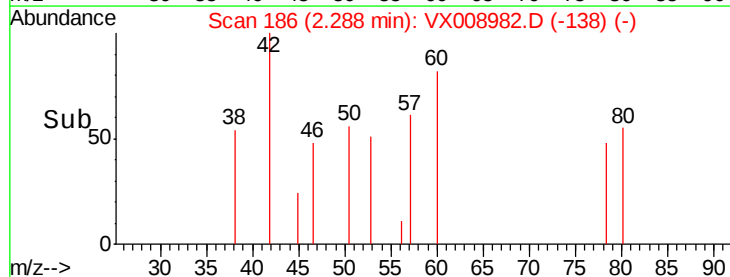
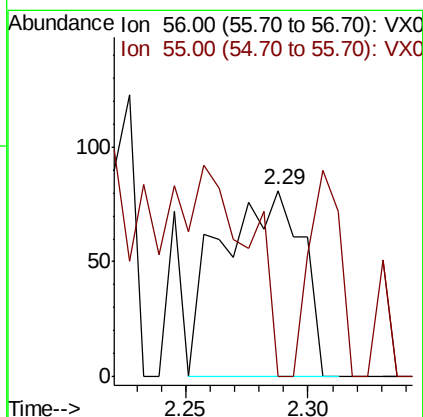
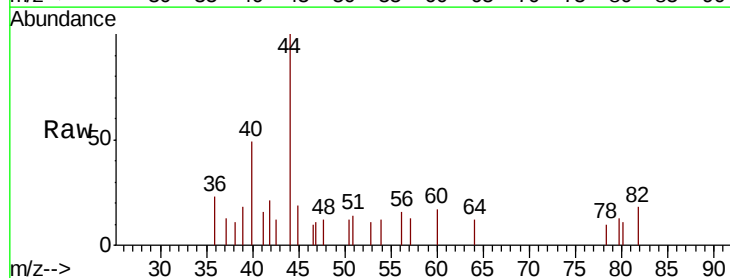
Tot Ion: 59 Resp: 184
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

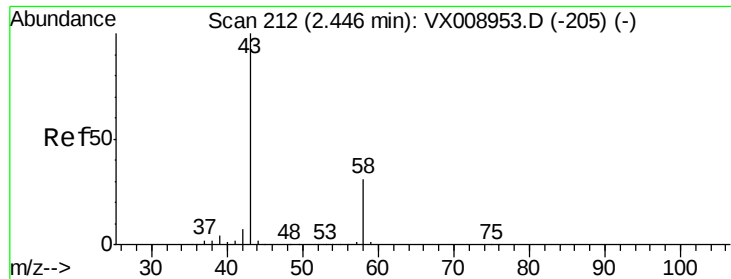


#13

Acrolein
 Concen: 0.269 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX008982.D
 Acq: 16 Apr 2019 13:08

Tgt Ion: 56 Resp: 189
 Ion Ratio Lower Upper
 56 100
 55 41.8 56.6 84.8#





#16

Acetone

Concen: 0.901 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008982.D

Acq: 16 Apr 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

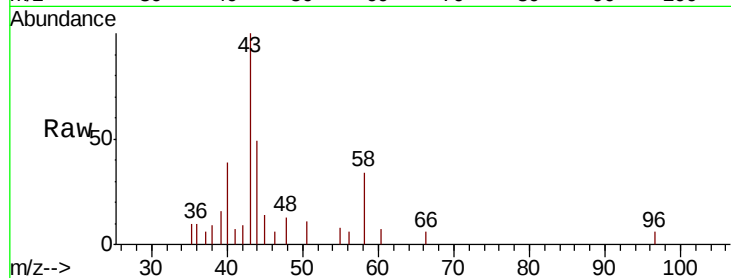
SS042MW132-190411

Tot Ion: 43 Resp: 1710

Ion Ratio Lower Upper

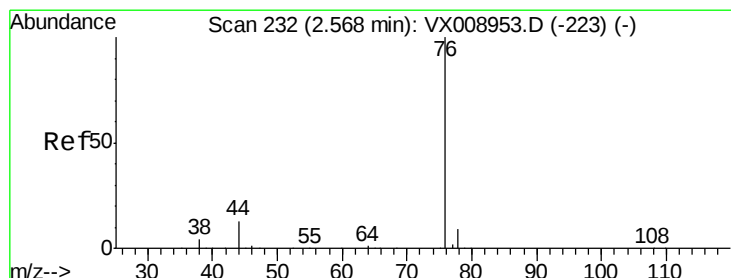
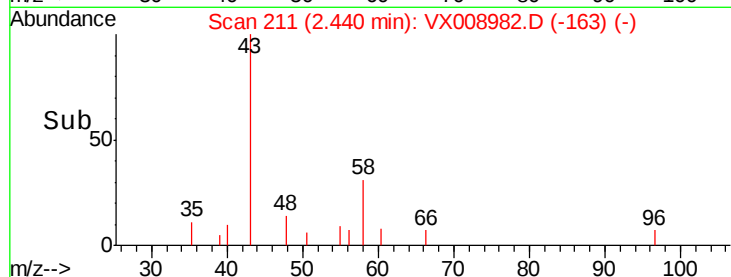
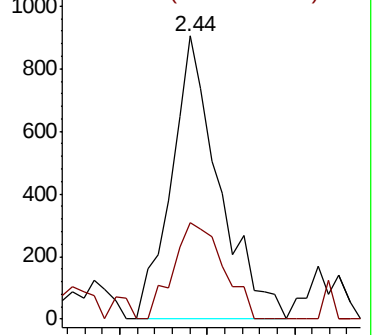
43 100

58 34.3 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.344 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008982.D

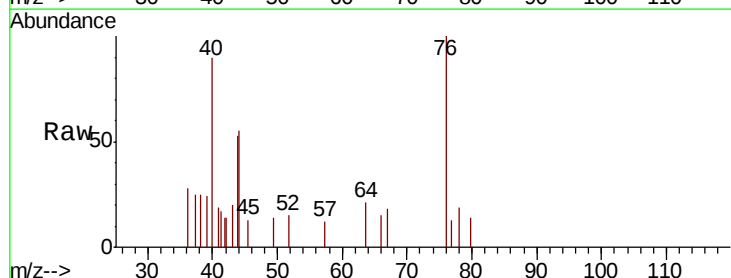
Acq: 16 Apr 2019 13:08

Tgt Ion: 76 Resp: 764

Ion Ratio Lower Upper

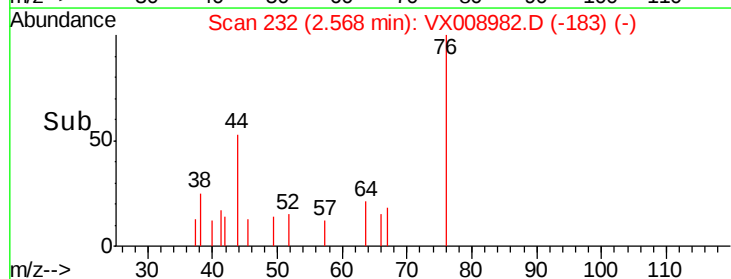
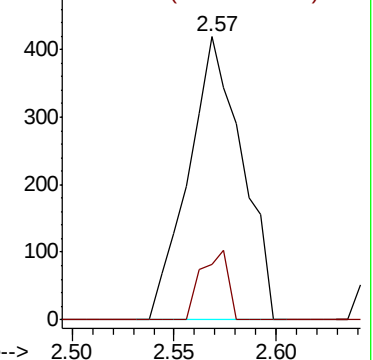
76 100

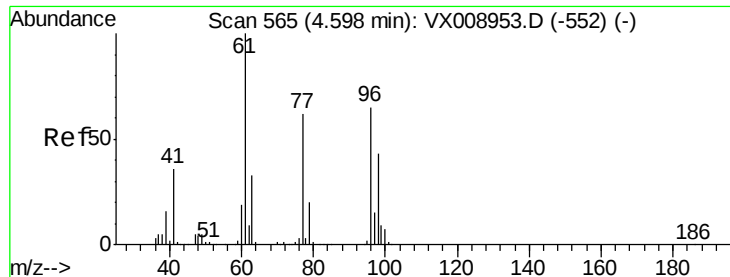
78 19.3 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



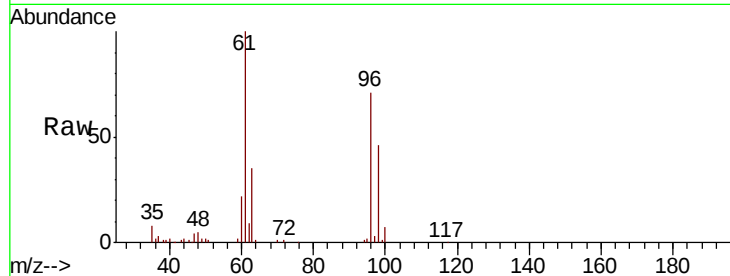


#27

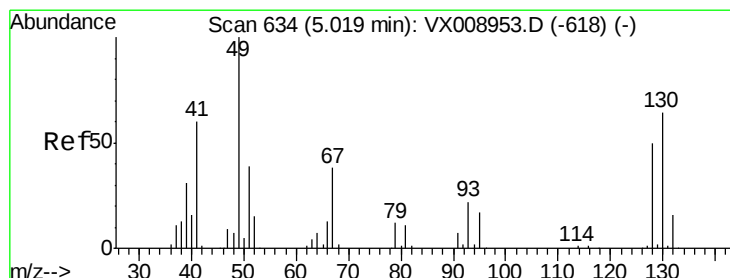
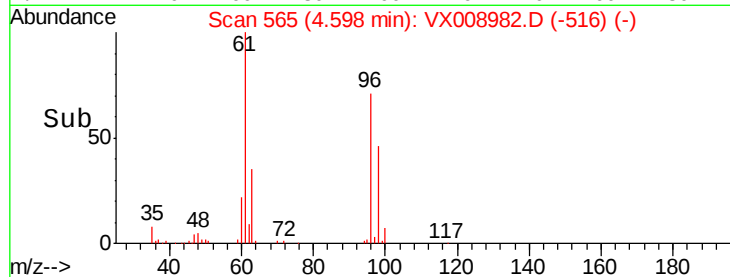
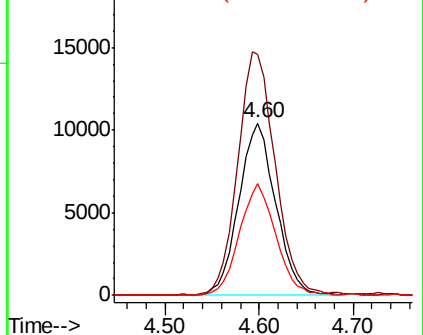
cis-1,2-Dichloroethene
 Concen: 8.443 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008982.D
 Acq: 16 Apr 2019 13:08

Instrument :
 MSVOA_X
 ClientSampleId :
 SS042MW132-190411

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	322.0
98	63.9	0.0	128.4



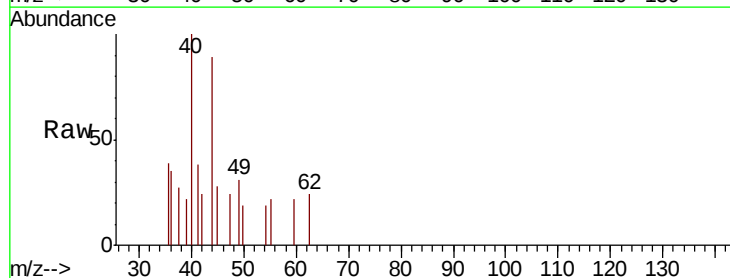
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



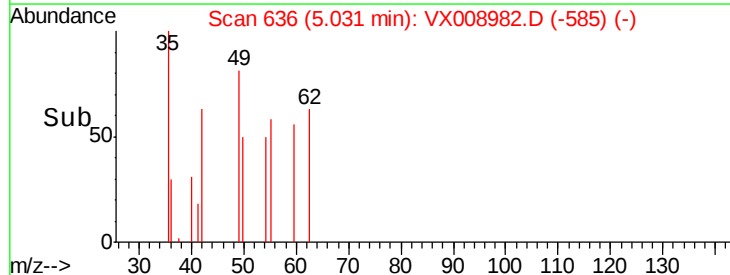
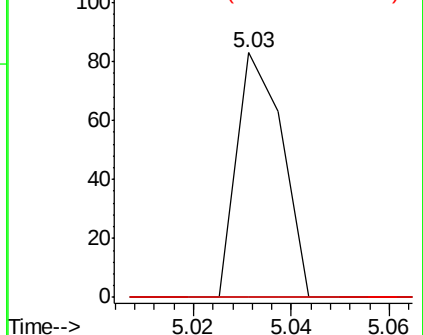
#28

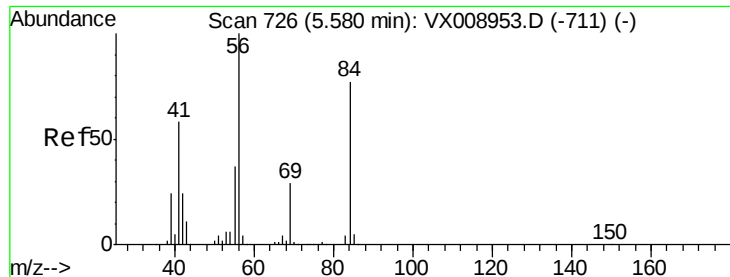
Bromochloromethane
 Concen: Below Cal
 RT: 5.03 min Scan# 636
 Delta R.T. 0.01 min
 Lab File: VX008982.D
 Acq: 16 Apr 2019 13:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	50.4	75.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

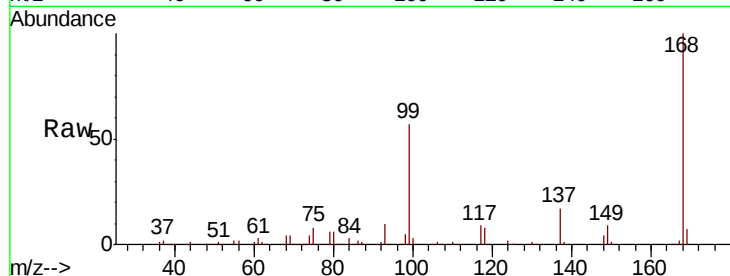




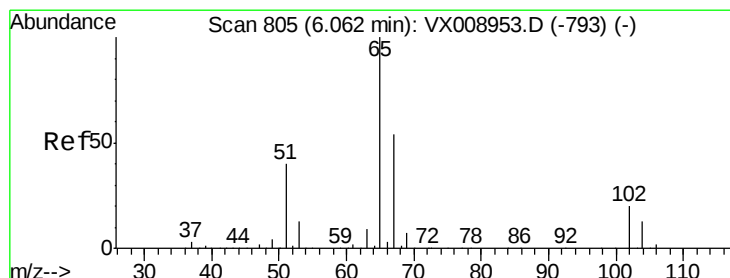
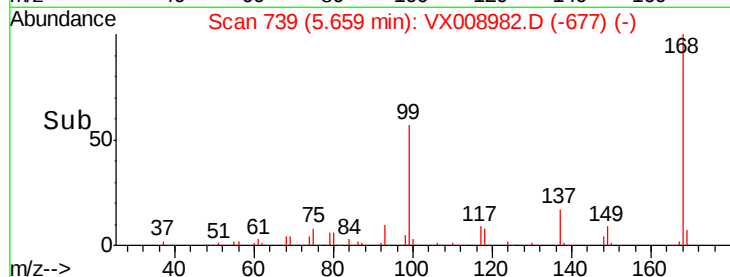
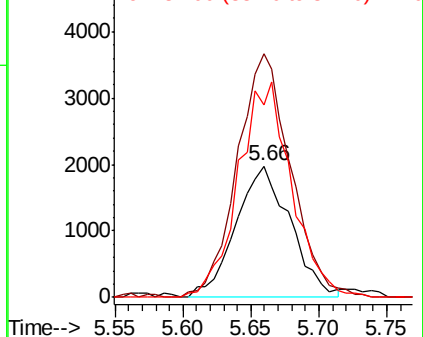
#31
Cyclohexane
Concen: 0.947 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008982.D
Acq: 16 Apr 2019 13:08

Instrument :
MSVOA_X
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SS042MW132-190411

Tot Ion: 56 Resp: 5521
Ion Ratio Lower Upper
56 100
69 181.4 23.3 34.9#
84 143.3 61.7 92.5#

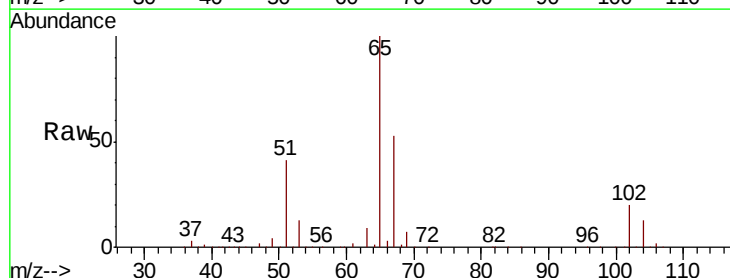


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

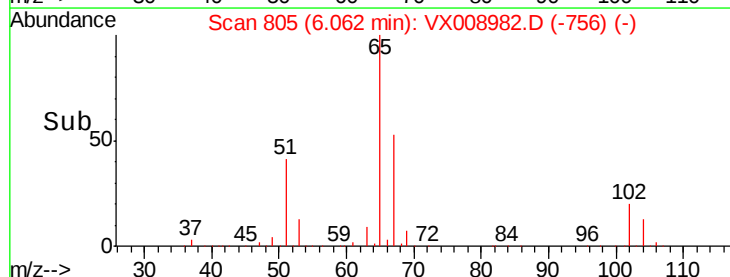
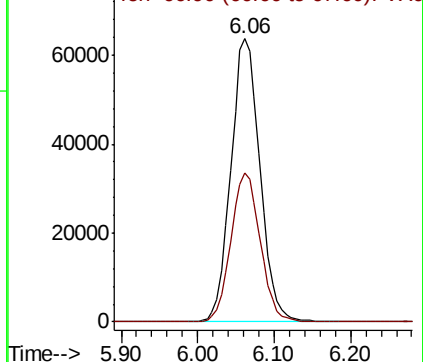


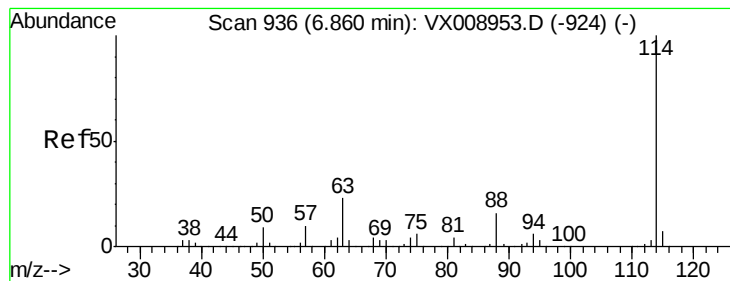
#33
1,2-Dichloroethane-d4
Concen: 45.806 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008982.D
Acq: 16 Apr 2019 13:08

Tgt Ion: 65 Resp: 167670
Ion Ratio Lower Upper
65 100
67 53.0 0.0 108.6



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: VX008982.D

Acq: 16 Apr 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

SS042MW132-190411

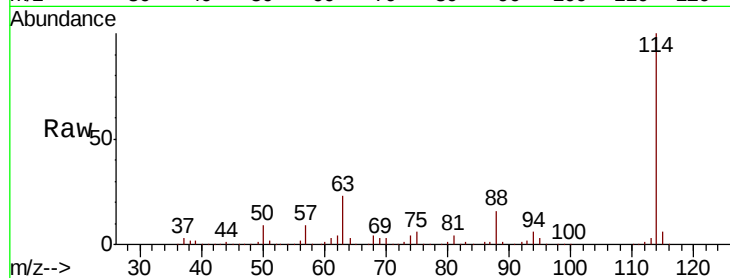
Tot Ion:114 Resp: 414391

Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.0

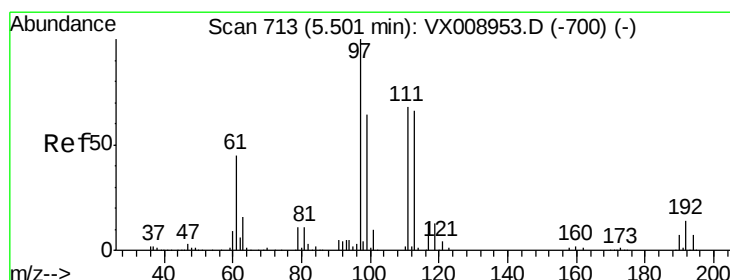
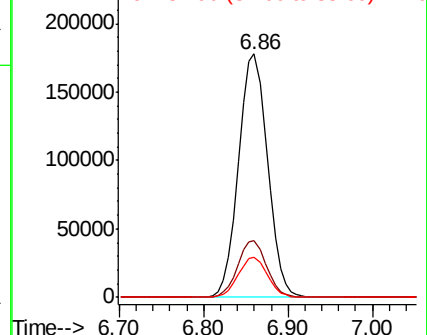
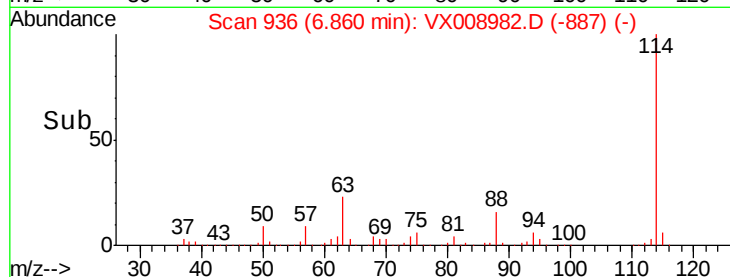
88 16.3 0.0 32.6



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: 45.988 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008982.D

Acq: 16 Apr 2019 13:08

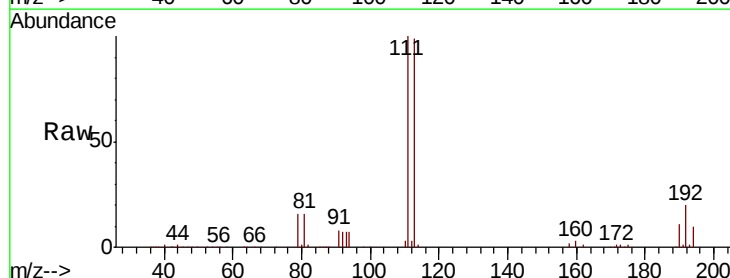
Tgt Ion:113 Resp: 122304

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

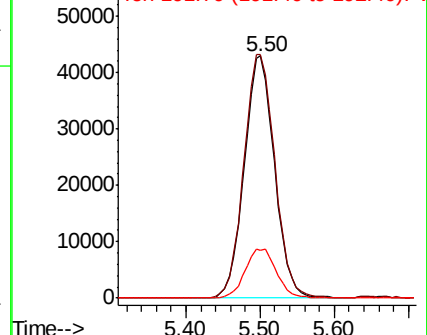
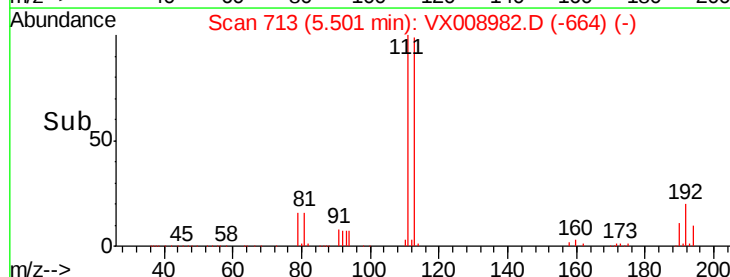
192 21.2 17.4 26.0

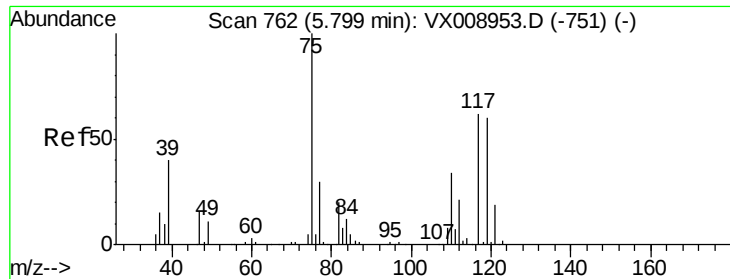


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

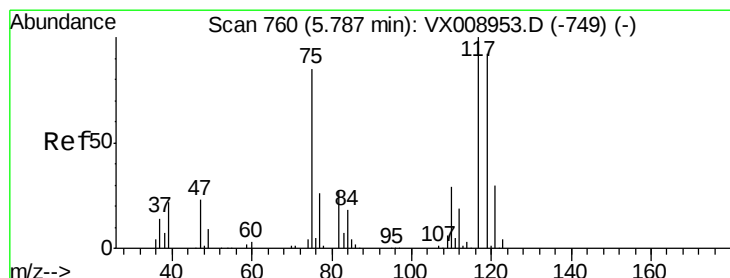
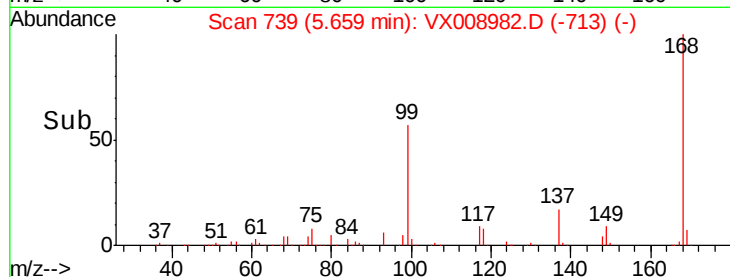
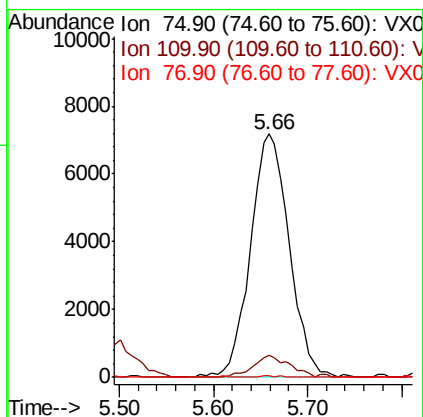
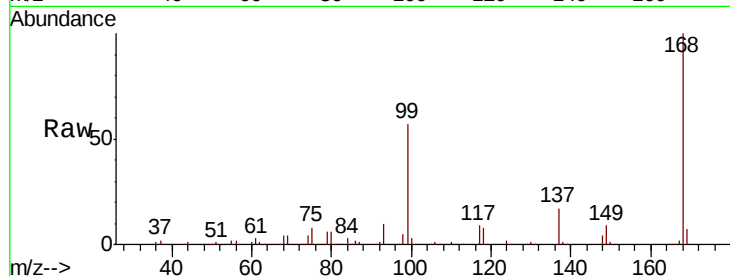




#36
 1,1-Dichloropropene
 Concen: 4.826 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008982.D
 Acq: 16 Apr 2019 13:08

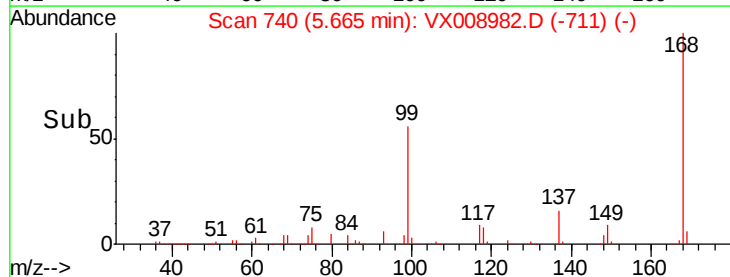
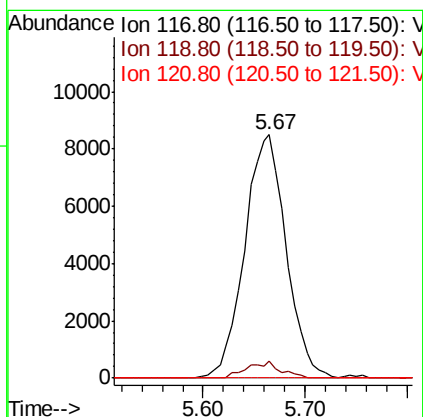
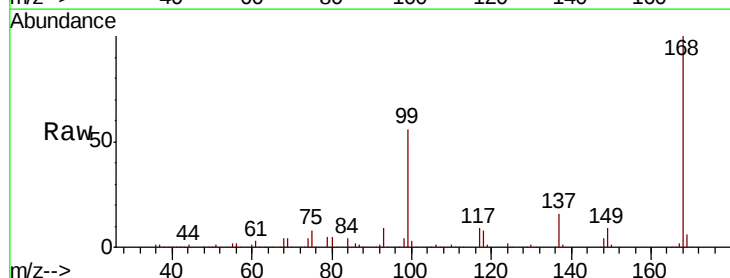
Instrument :
 MSVOA_X
 ClientSampleId :
 SS042MW132-190411

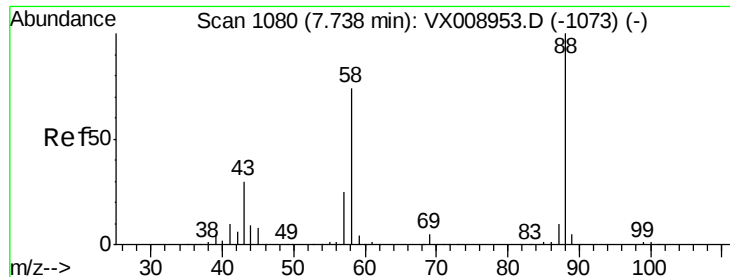
Tot Ion	75	Resp	20683
Ion Ratio	100	Lower	Upper
110	8.4	16.9	50.7#
77	0.3	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.591 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008982.D
 Acq: 16 Apr 2019 13:08

Tgt Ion	117	Resp	23946
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	6.9	73.8	110.8#
121	0.0	23.6	35.4#

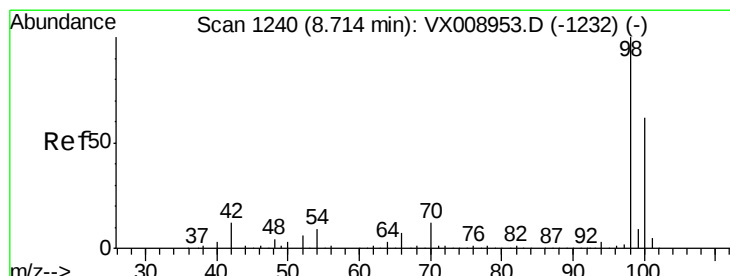
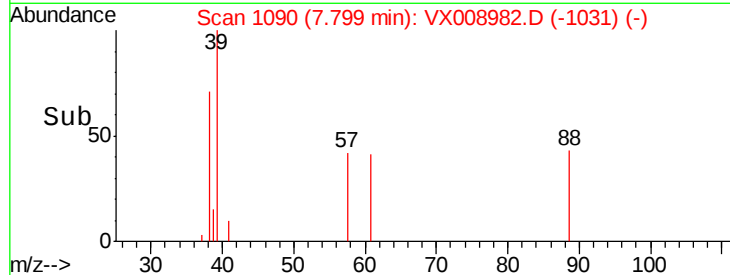
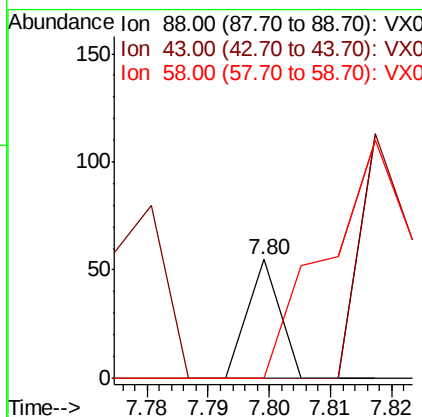
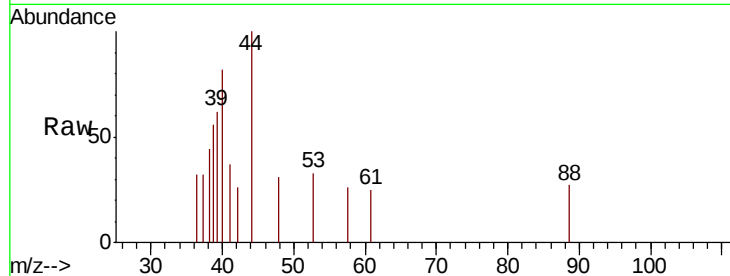




#49
 1,4-Dioxane
 Concen: 0.243 ug/l
 RT: 7.80 min Scan# 1090
 Delta R.T. 0.06 min
 Lab File: VX008982.D
 Acq: 16 Apr 2019 13:08

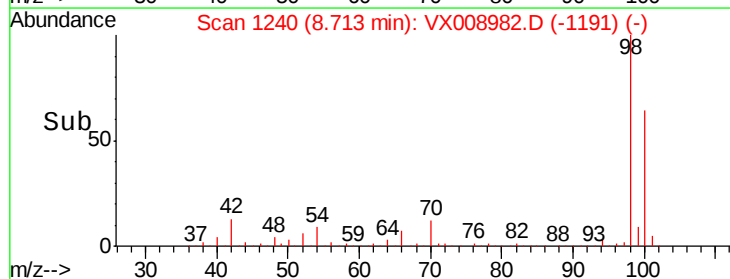
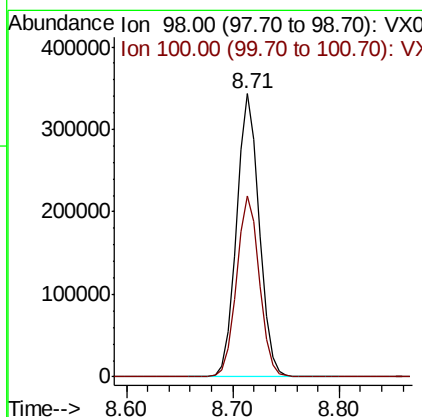
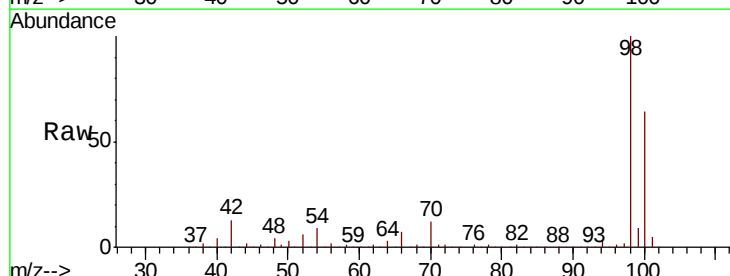
Instrument :
 MSVOA_X
 ClientSampleId :
 SS042MW132-190411

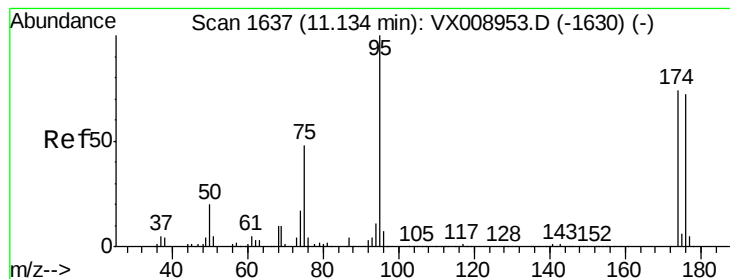
Tot Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 325.0 29.3 43.9#
 58 515.0 62.6 93.8#



#50
 Toluene-d8
 Concen: 48.507 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX008982.D
 Acq: 16 Apr 2019 13:08

Tgt Ion: 98 Resp: 514473
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.4 77.2





#62

4-Bromofluorobenzene

Concen: 45.739 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008982.D

Acq: 16 Apr 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

SS042MW132-190411

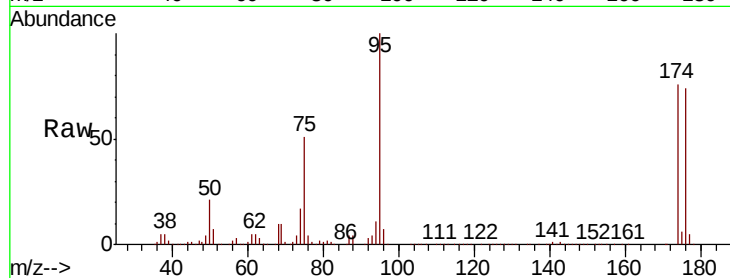
Tot Ion: 95 Resp: 171244

Ion Ratio Lower Upper

95 100

174 79.8 0.0 159.6

176 77.9 0.0 154.8

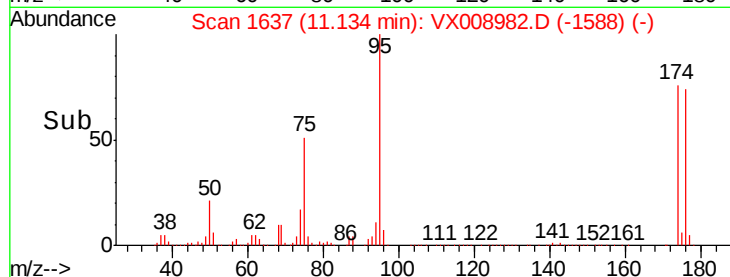


Abundance Ion 94.90 (94.60 to 95.60): VX008953.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008953.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008953.D (-1630) (-)

Time-->

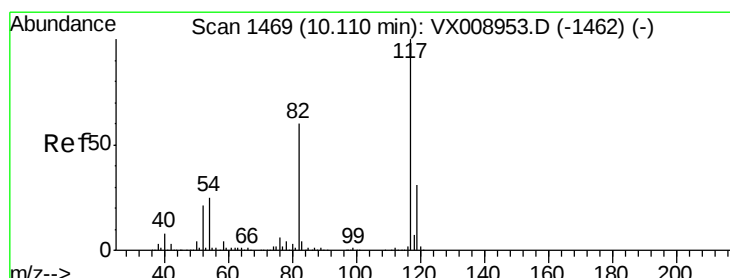


Abundance Ion 94.90 (94.60 to 95.60): VX008982.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008982.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008982.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008982.D

Acq: 16 Apr 2019 13:08

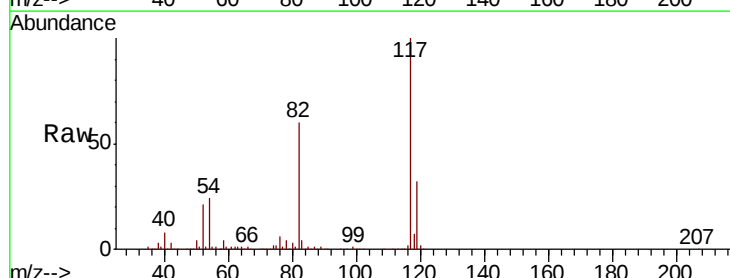
Tgt Ion: 117 Resp: 358852

Ion Ratio Lower Upper

117 100

82 60.0 48.2 72.4

119 31.6 25.0 37.6

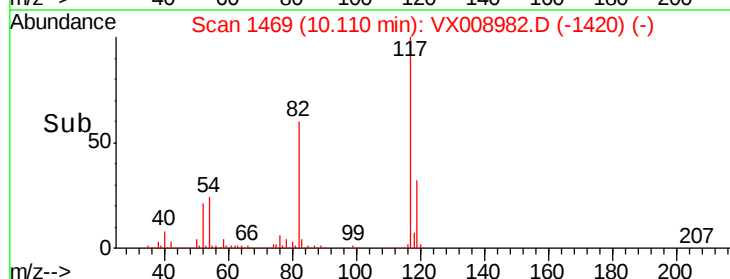


Abundance Ion 116.90 (116.60 to 117.60): VX008953.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008953.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008953.D (-1462) (-)

Time-->

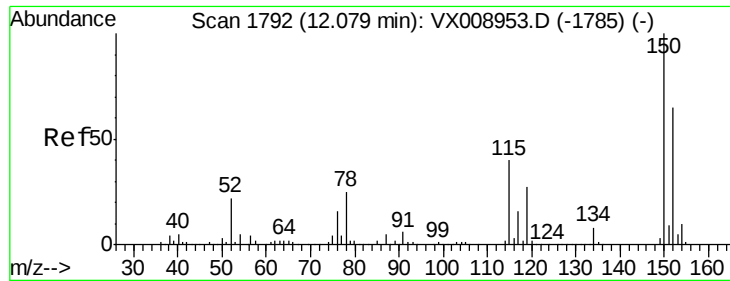


Abundance Ion 116.90 (116.60 to 117.60): VX008982.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008982.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008982.D (-1420) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008982.D

Acq: 16 Apr 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

SS042MW132-190411

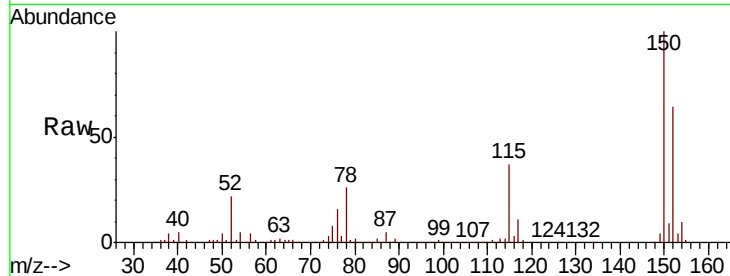
Tot Ion:152 Resp: 153347

Ion Ratio Lower Upper

152 100

115 59.2 41.4 124.2

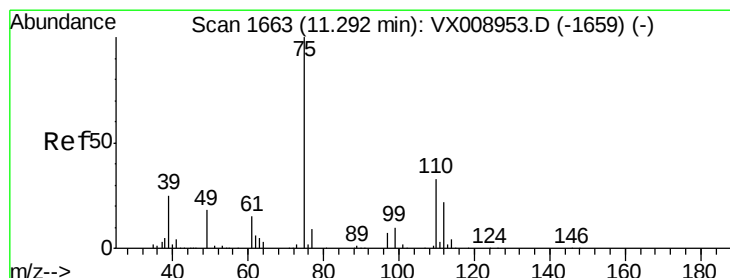
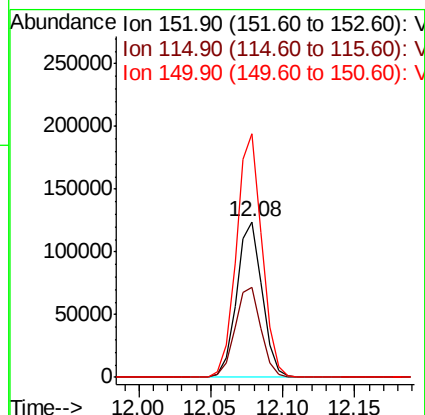
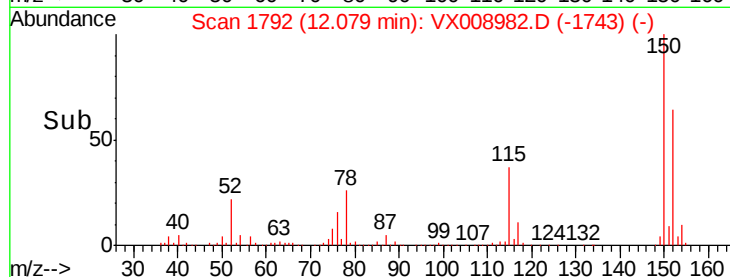
150 157.1 0.0 349.8



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: 23.240 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008982.D

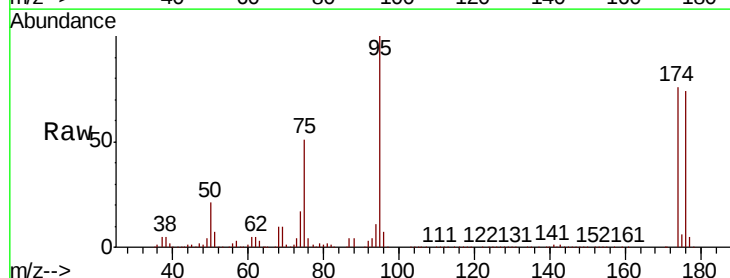
Acq: 16 Apr 2019 13:08

Tgt Ion: 75 Resp: 87022

Ion Ratio Lower Upper

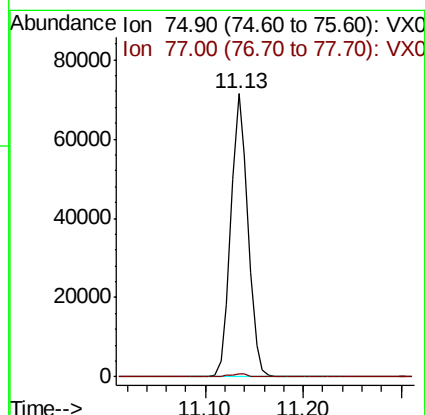
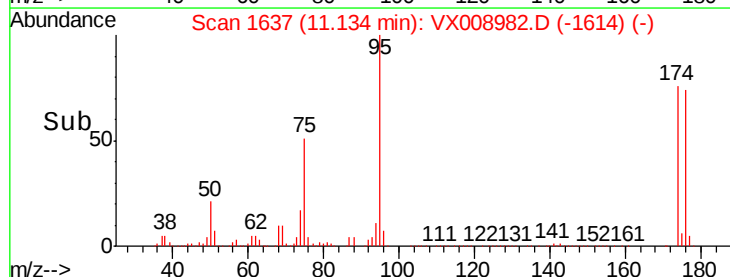
75 100

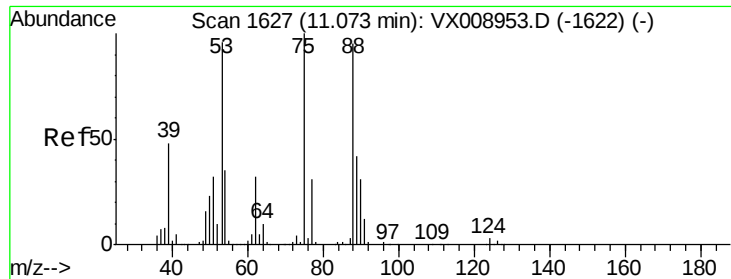
77 1.3 22.7 68.0#



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: 59.665 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008982.D

Acq: 16 Apr 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

SS042MW132-190411

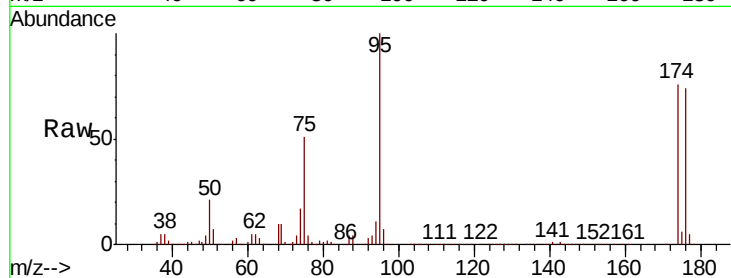
Tot Ion: 75 Resp: 87022

Ion Ratio Lower Upper

75 100

53 0.3 78.2 117.4#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

