

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041719\
 Data File : VX009027.D
 Acq On : 17 Apr 2019 20:04
 Operator : JC/SP
 Sample : K2449-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW014-190415

Quant Time: Apr 18 01:40:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	405864	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	351975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	149553	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	167127	46.98	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.96%		
35) Dibromofluoromethane	5.50	113	122869	47.17	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.34%		
50) Toluene-d8	8.71	98	506693	48.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.56%		
62) 4-Bromofluorobenzene	11.13	95	167754	45.75	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.50%		

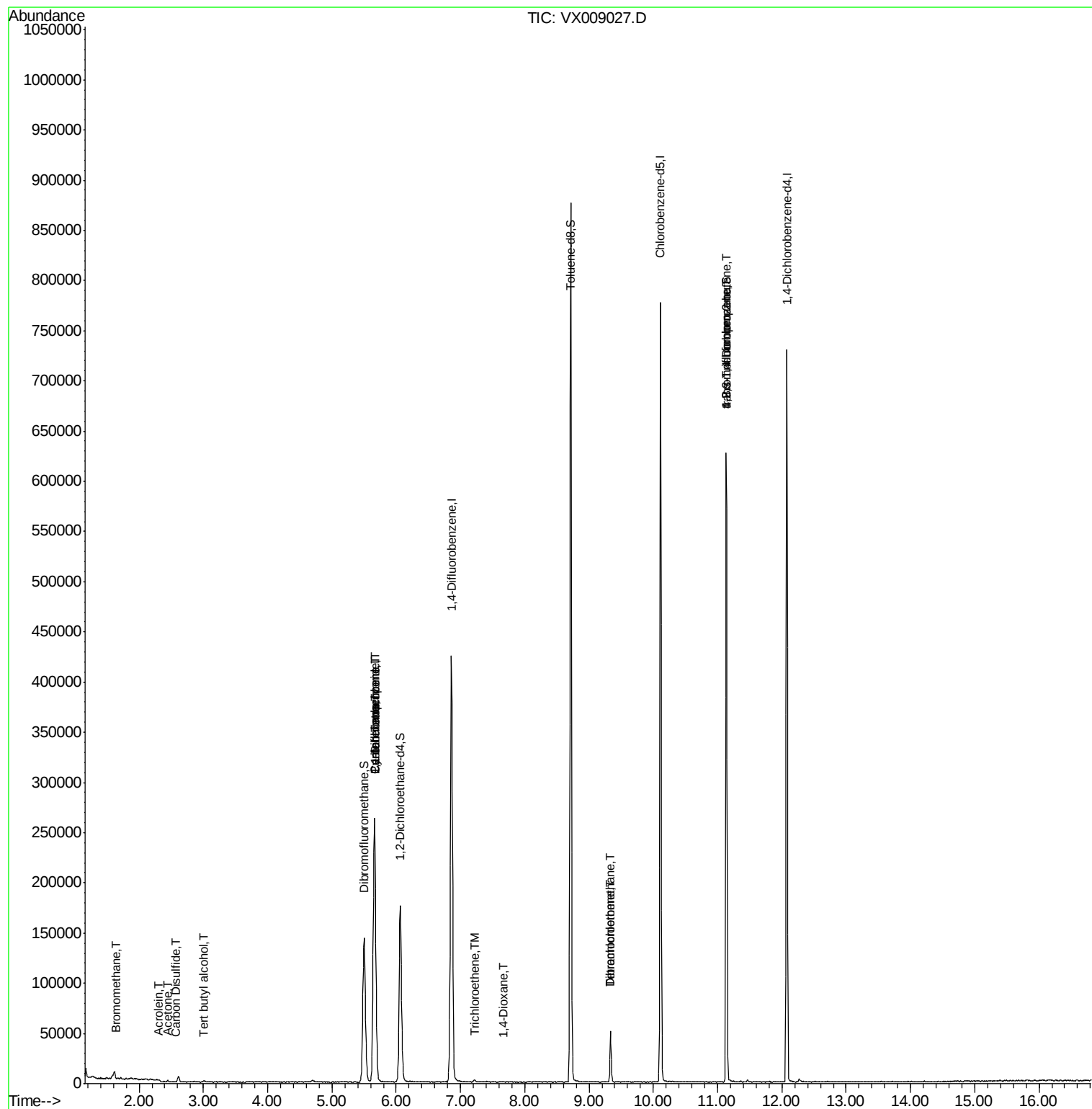
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	173	3.922	ug/l #	80
11) Tert butyl alcohol	3.01	59	756	0.957	ug/l #	79
13) Acrolein	2.29	56	258	0.378	ug/l #	24
16) Acetone	2.44	43	1189	0.644	ug/l #	88
17) Carbon Disulfide	2.57	76	423	1.304	ug/l #	53
28) Bromochloromethane	5.00	49	46	Below Cal	#	21
31) Cyclohexane	5.66	56	5783	1.021	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20157	4.802	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24337	6.839	ug/l #	18
44) Trichloroethene	7.23	130	652	0.215	ug/l	86
49) 1,4-Dioxane	7.68	88	25	0.311	ug/l #	19
60) Dibromochloromethane	9.34	129	8750	3.104	ug/l #	10
64) Tetrachloroethene	9.34	164	9830	3.676	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	84827	23.229	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	84827	59.635	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: VX009027.D

Acq: 17 Apr 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

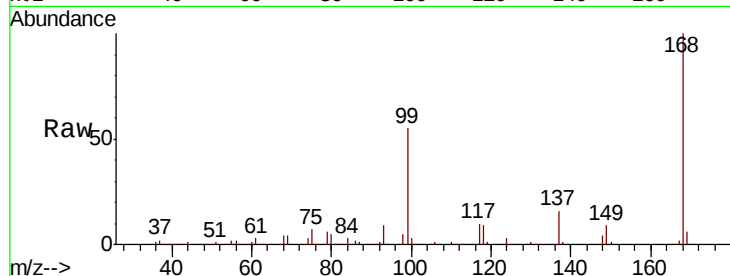
SS036MW014-190415

Tot Ion:168 Resp: 252439

Ion Ratio Lower Upper

168 100

99 54.6 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

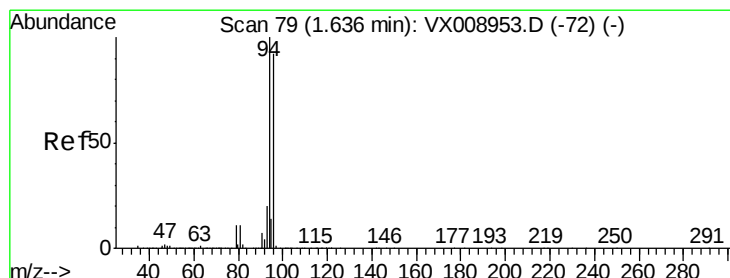
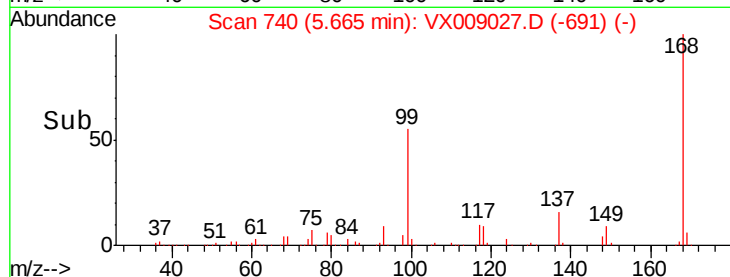
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 3.922 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009027.D

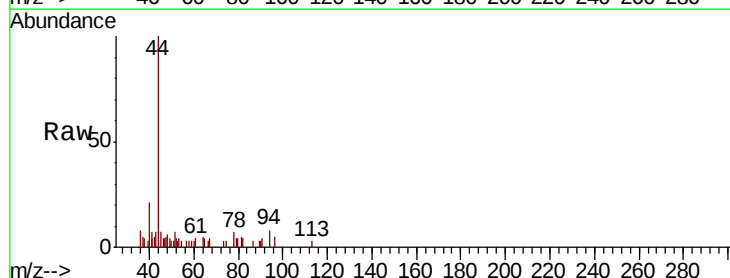
Acq: 17 Apr 2019 20:04

Tgt Ion: 94 Resp: 173

Ion Ratio Lower Upper

94 100

96 73.2 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

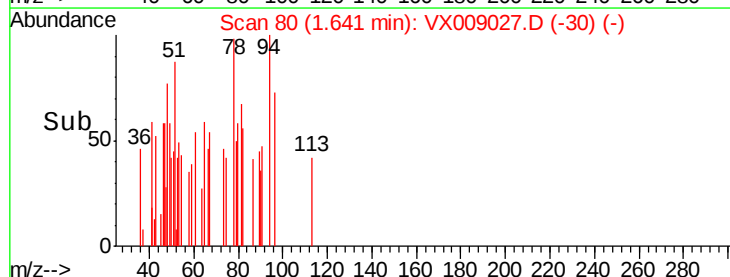
150

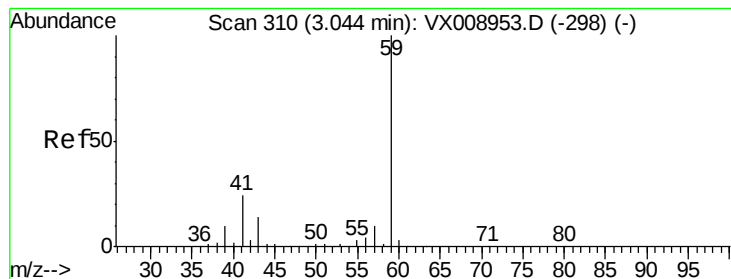
100

50

0

Time--> 1.62 1.64 1.66



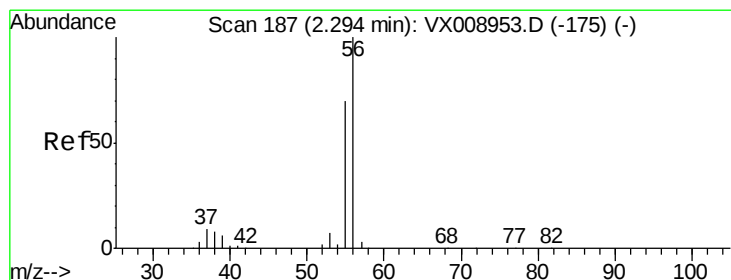
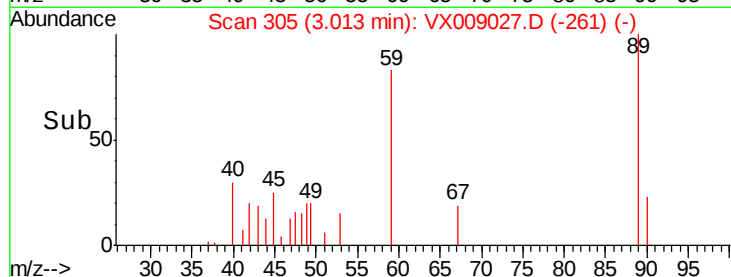
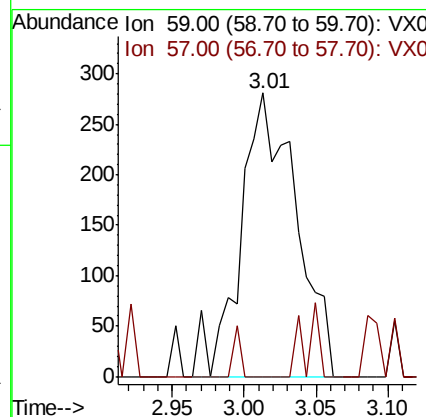
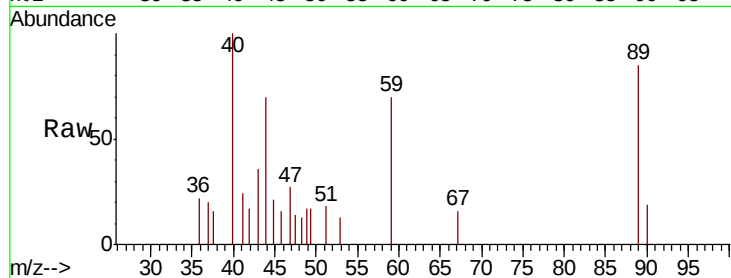


#11

Tert butyl alcohol
 Concen: 0.957 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.03 min
 Lab File: VX009027.D
 Acq: 17 Apr 2019 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW014-190415

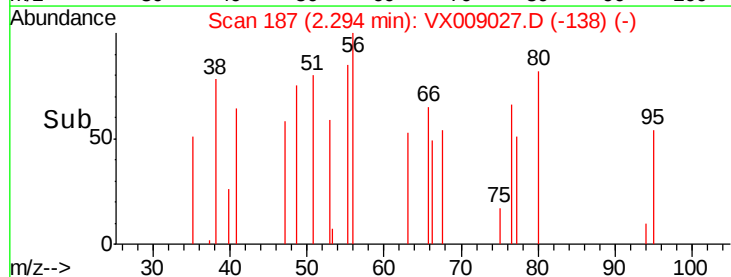
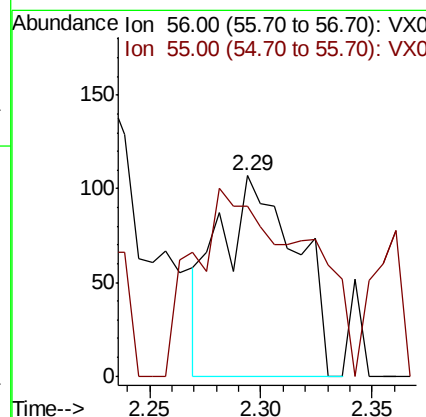
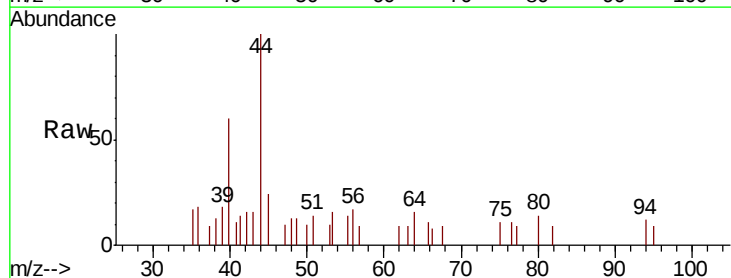
Tot Ion: 59 Resp: 756
 Ion Ratio Lower Upper
 59 100
 57 2.5 8.4 12.6#

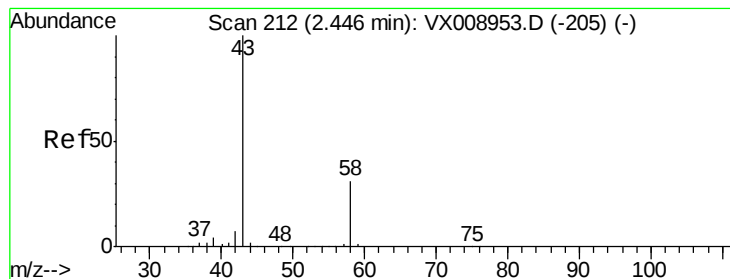


#13

Acrolein
 Concen: 0.378 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX009027.D
 Acq: 17 Apr 2019 20:04

Tgt Ion: 56 Resp: 258
 Ion Ratio Lower Upper
 56 100
 55 133.7 56.6 84.8#





#16

Acetone

Concen: 0.644 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009027.D

Acq: 17 Apr 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

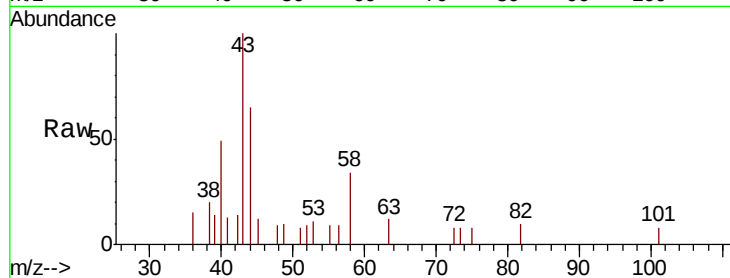
SS036MW014-190415

Tot Ion: 43 Resp: 1189

Ion Ratio Lower Upper

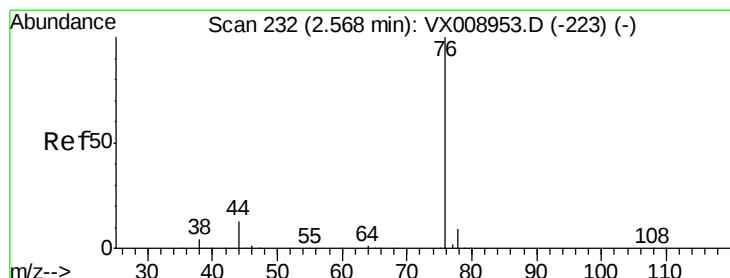
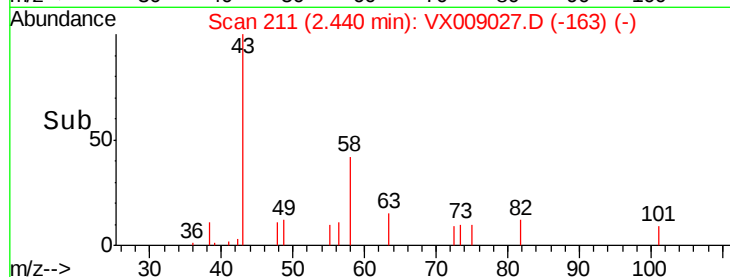
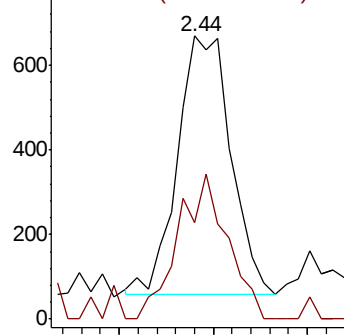
43 100

58 37.6 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: 1.304 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009027.D

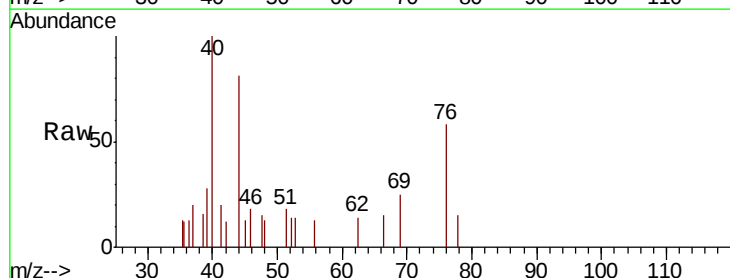
Acq: 17 Apr 2019 20:04

Tgt Ion: 76 Resp: 423

Ion Ratio Lower Upper

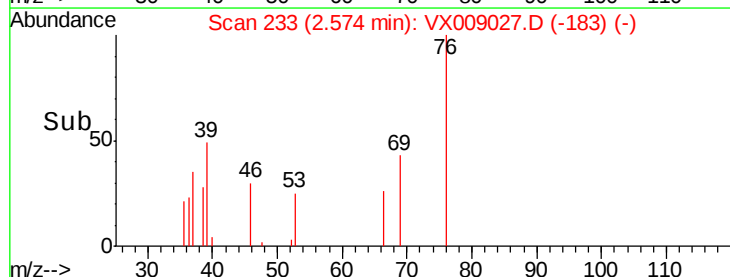
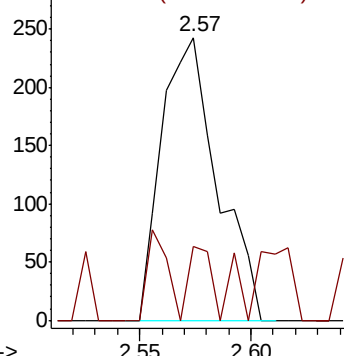
76 100

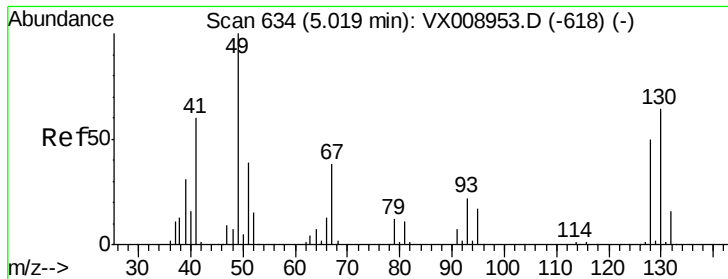
78 25.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.02 min

Lab File: VX009027.D

Acq: 17 Apr 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

SS036MW014-190415

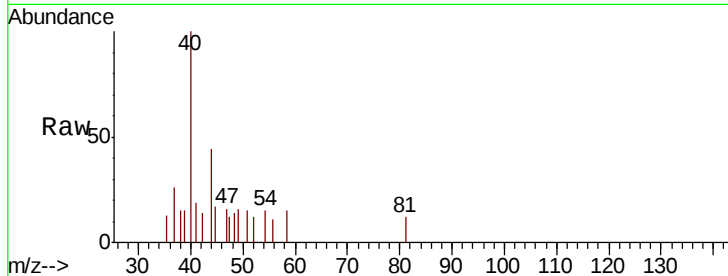
Tot Ion: 49 Resp: 46

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

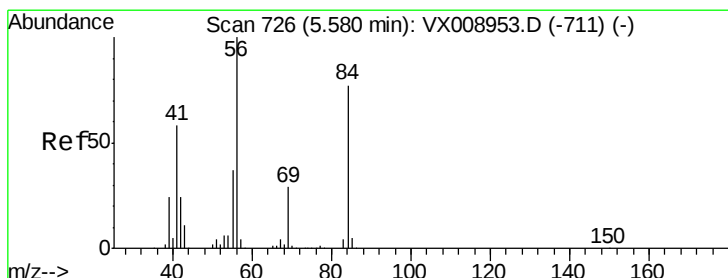
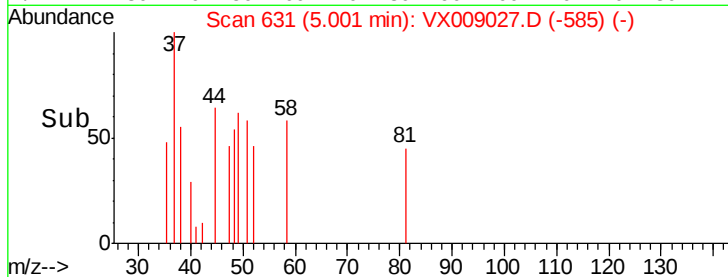
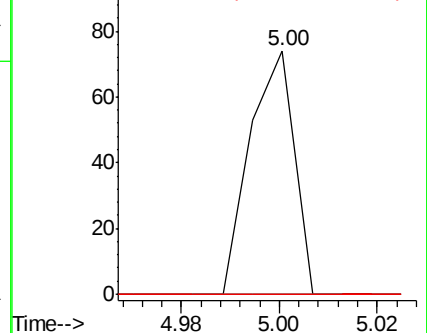
130 0.0 50.4 75.6#



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: 1.021 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009027.D

Acq: 17 Apr 2019 20:04

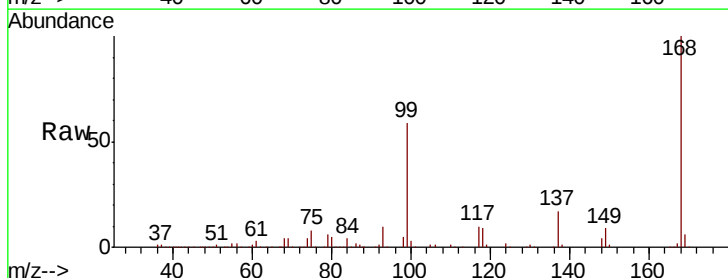
Tgt Ion: 56 Resp: 5783

Ion Ratio Lower Upper

56 100

69 174.5 23.3 34.9#

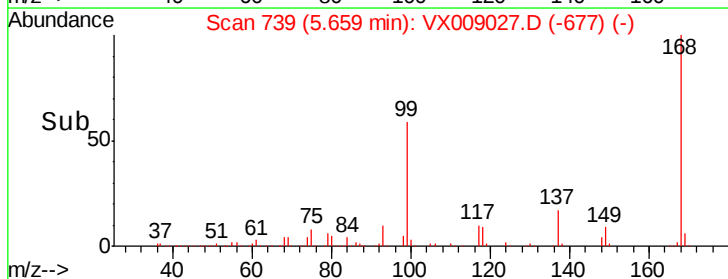
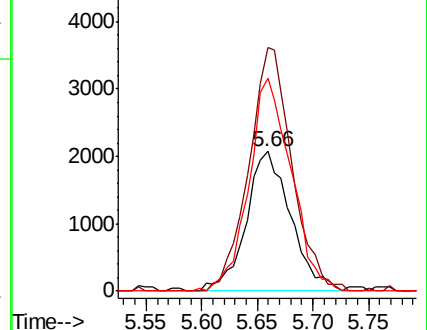
84 152.2 61.7 92.5#

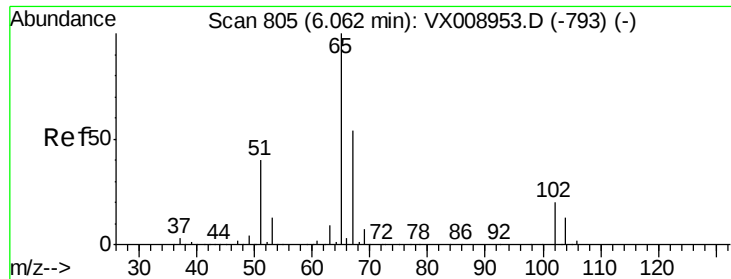


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.978 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009027.D

Acq: 17 Apr 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

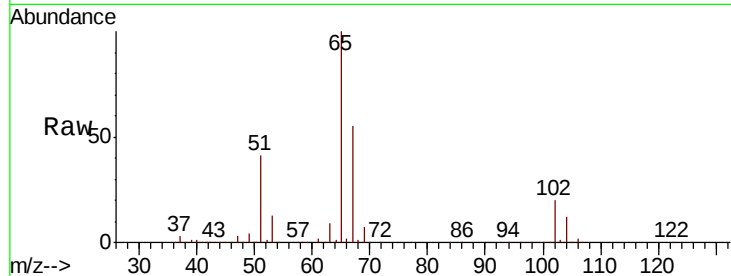
SS036MW014-190415

Tot Ion: 65 Resp: 167127

Ion Ratio Lower Upper

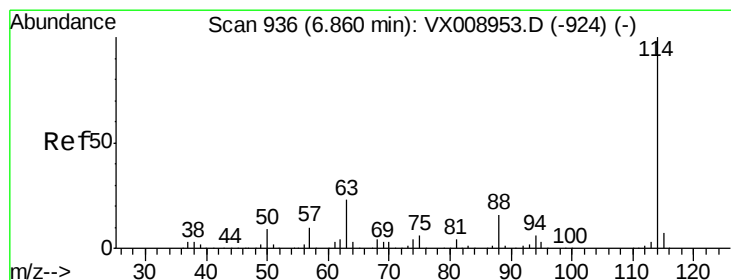
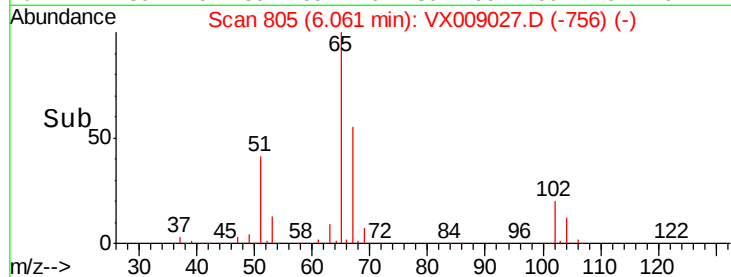
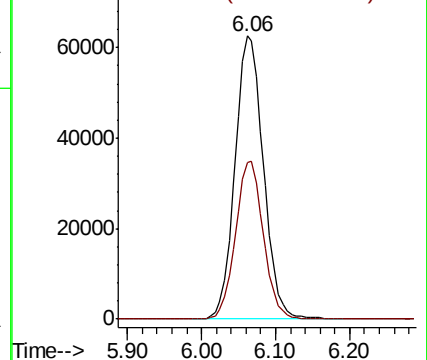
65 100

67 54.8 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: VX009027.D

Acq: 17 Apr 2019 20:04

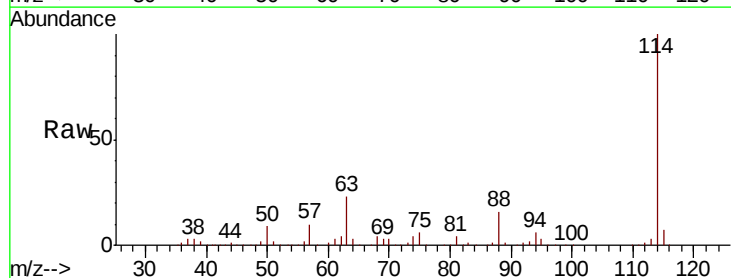
Tgt Ion: 114 Resp: 405864

Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.0

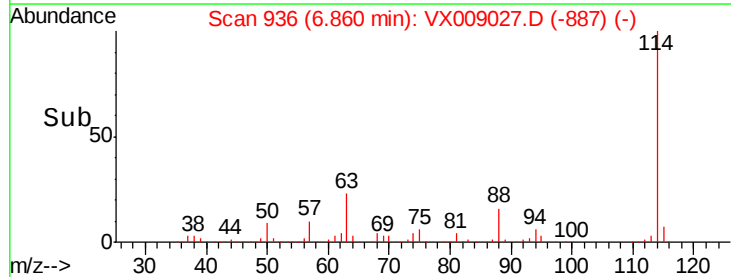
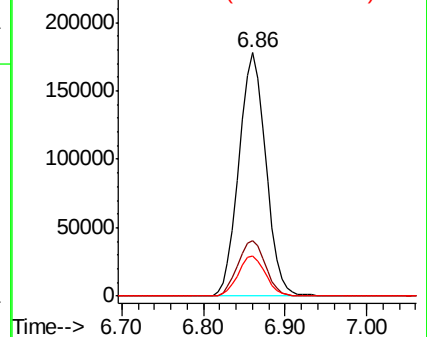
88 16.3 0.0 32.6

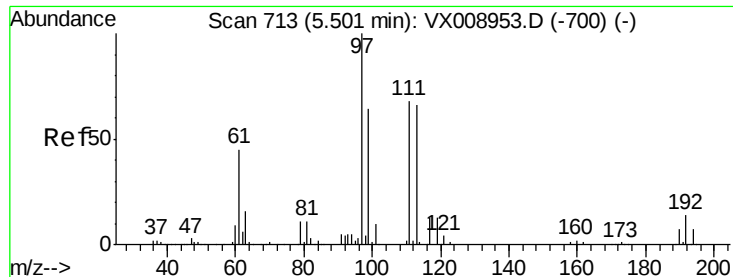


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

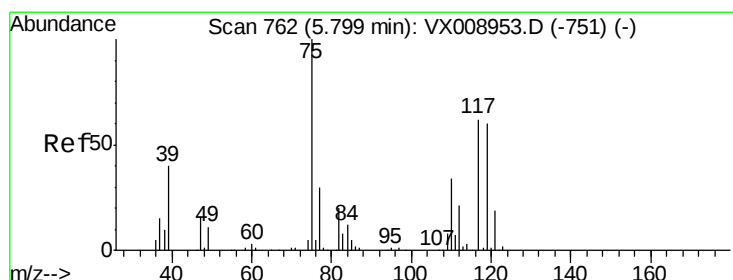
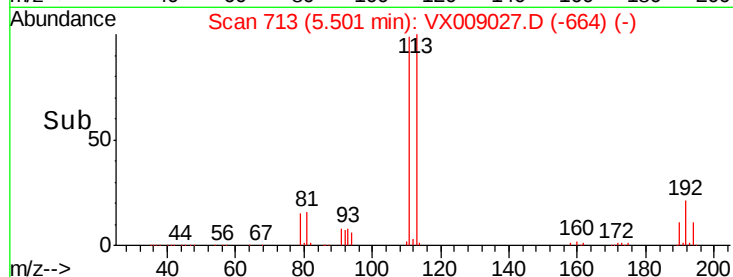
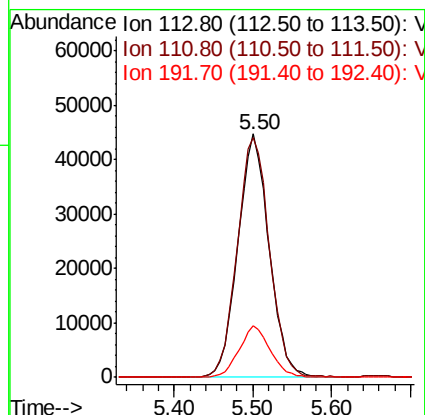
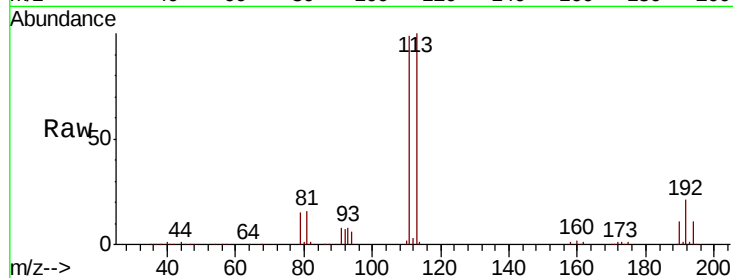




#35
 Dibromofluoromethane
 Concen: 47.171 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009027.D
 Acq: 17 Apr 2019 20:04

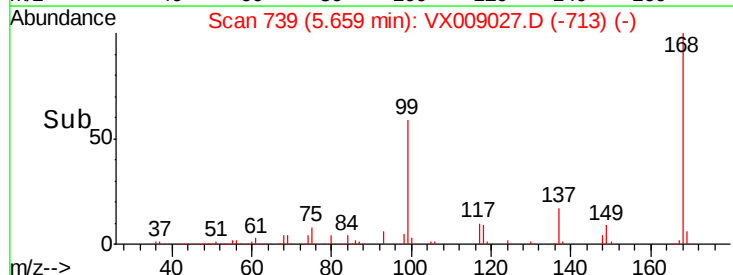
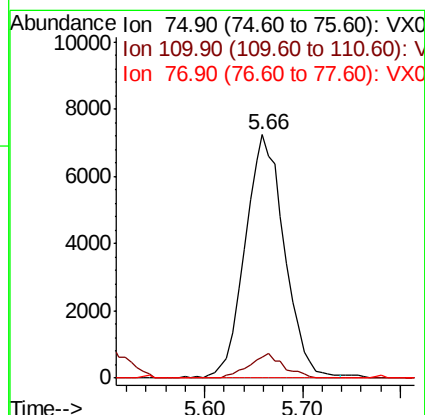
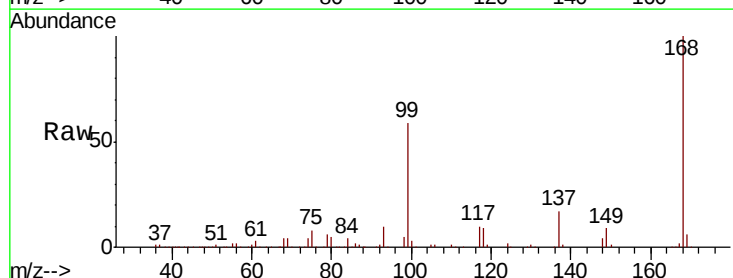
Instrument :
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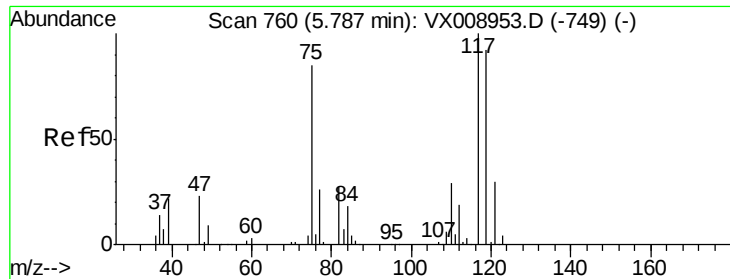
Tot Ion:113 Resp: 122869
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.9 124.3
 192 21.0 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 4.802 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009027.D
 Acq: 17 Apr 2019 20:04

Tgt Ion: 75 Resp: 20157
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.9 50.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.839 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009027.D

Acq: 17 Apr 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

SS036MW014-190415

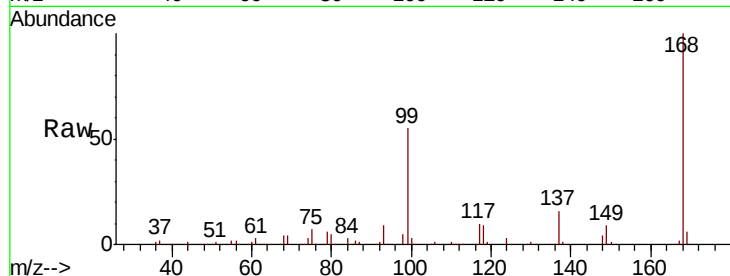
Tot Ion:117 Resp: 24337

Ion Ratio Lower Upper

117 100

119 5.7 73.8 110.8#

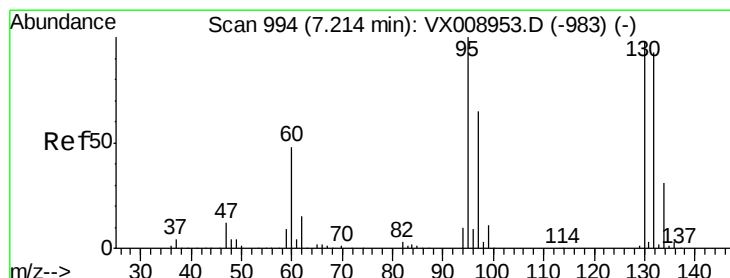
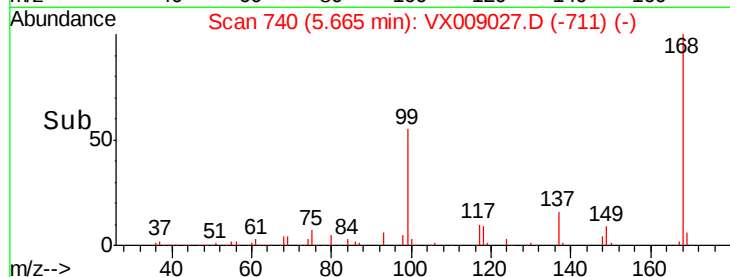
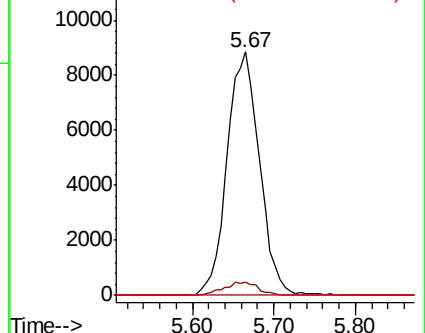
121 0.0 23.6 35.4#



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: 0.215 ug/l

RT: 7.23 min Scan# 996

Delta R.T. 0.01 min

Lab File: VX009027.D

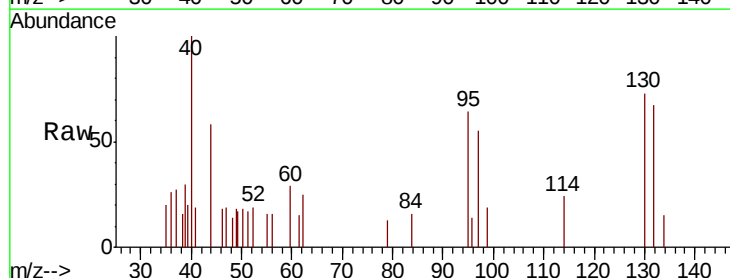
Acq: 17 Apr 2019 20:04

Tgt Ion:130 Resp: 652

Ion Ratio Lower Upper

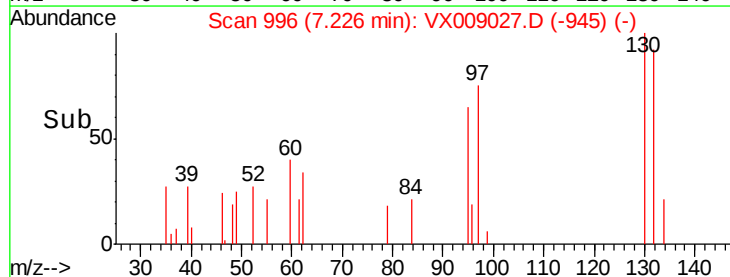
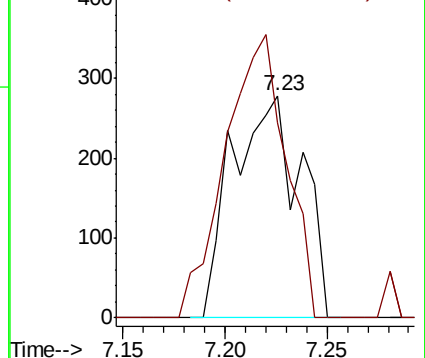
130 100

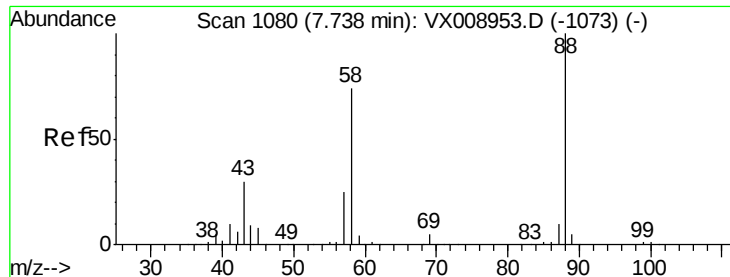
95 87.5 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.311 ug/l

RT: 7.68 min Scan# 1070

Delta R.T. -0.06 min

Lab File: VX009027.D

Acq: 17 Apr 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

SS036MW014-190415

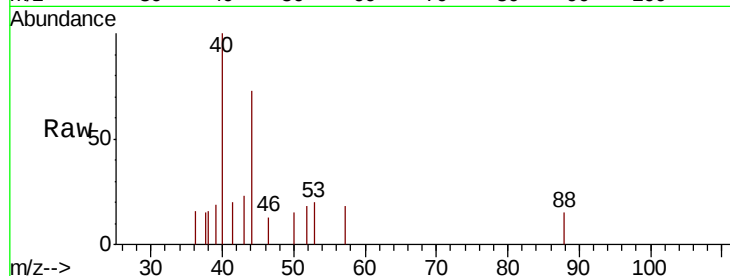
Tot Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 29.3 43.9#

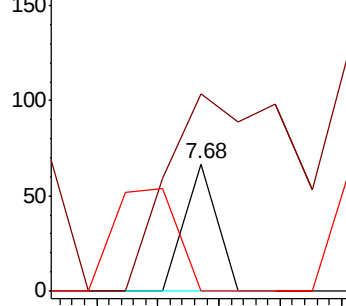
58 156.0 62.6 93.8#



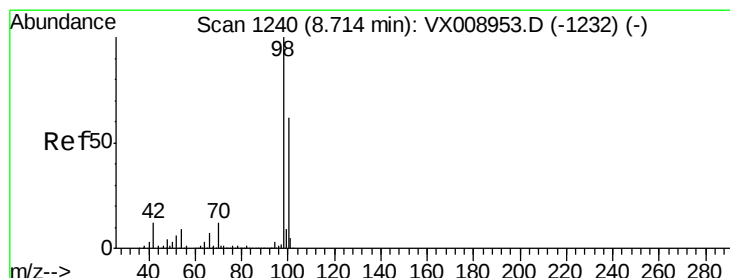
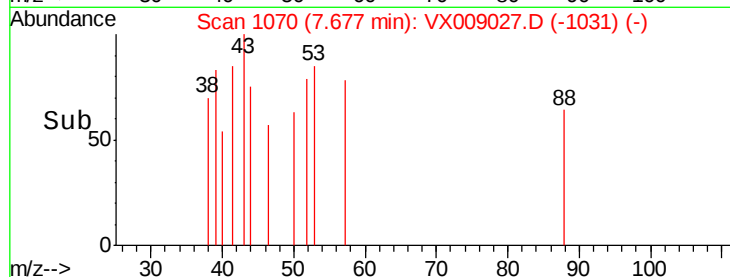
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 48.778 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009027.D

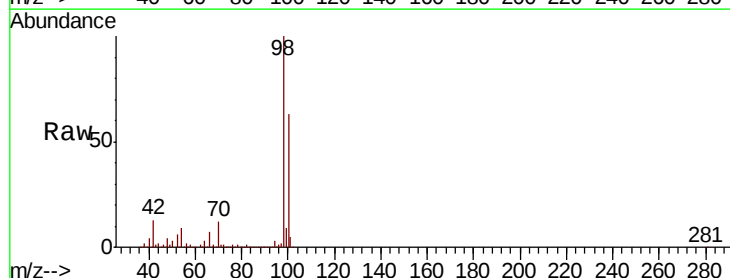
Acq: 17 Apr 2019 20:04

Tgt Ion: 98 Resp: 506693

Ion Ratio Lower Upper

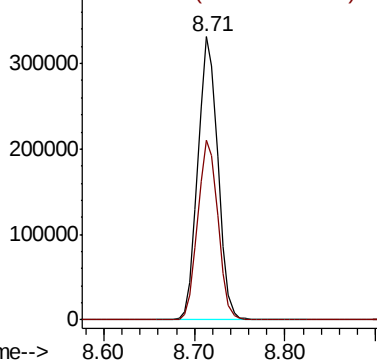
98 100

100 64.3 51.4 77.2

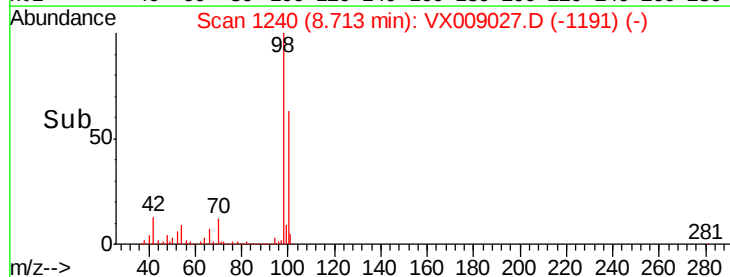


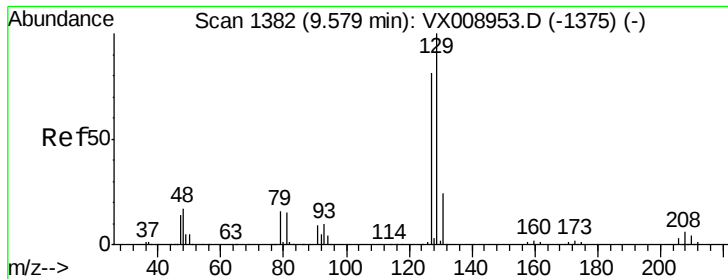
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#60

Dibromochloromethane

Concen: 3.104 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009027.D

Acq: 17 Apr 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

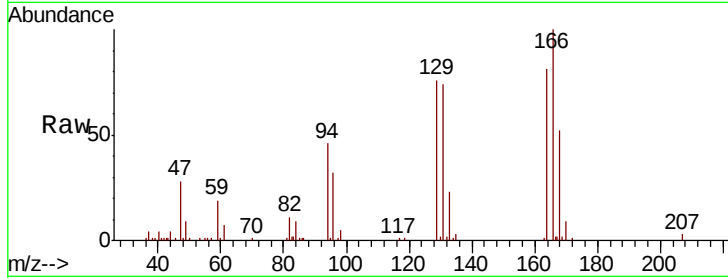
SS036MW014-190415

Tot Ion:129 Resp: 8750

Ion Ratio Lower Upper

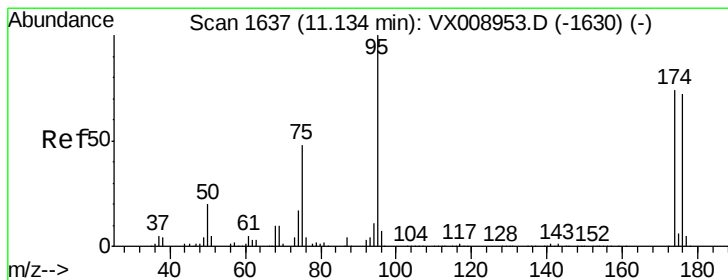
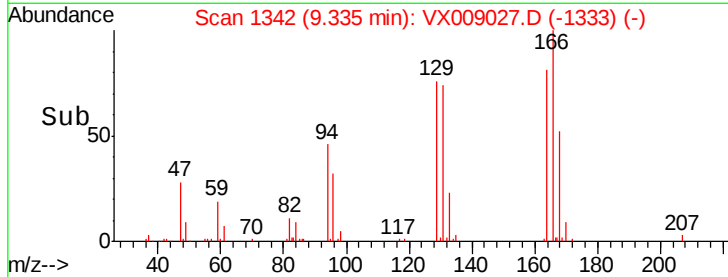
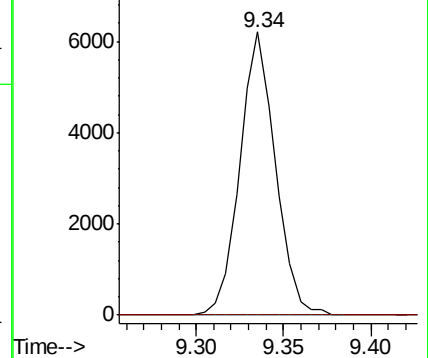
129 100

127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 45.748 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009027.D

Acq: 17 Apr 2019 20:04

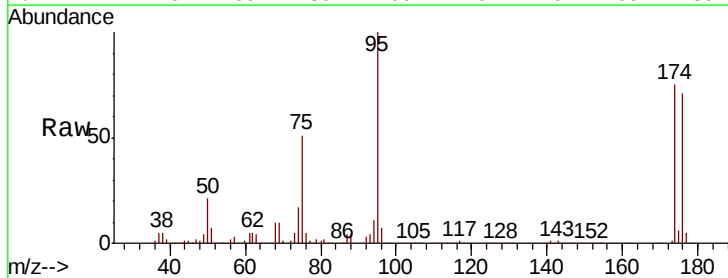
Tgt Ion: 95 Resp: 167754

Ion Ratio Lower Upper

95 100

174 78.4 0.0 159.6

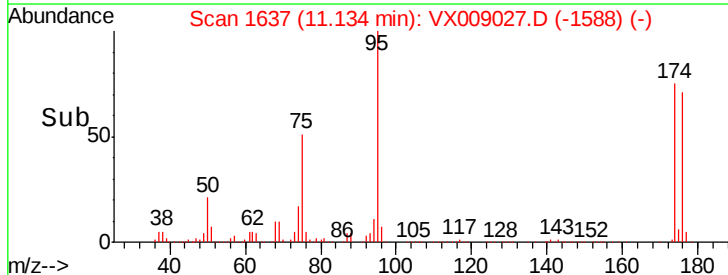
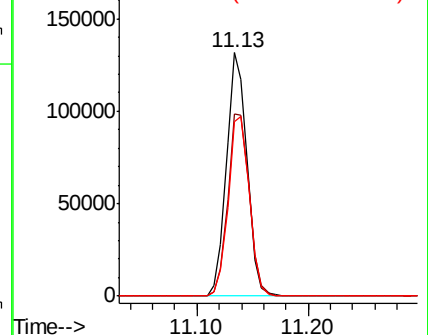
176 76.2 0.0 154.8

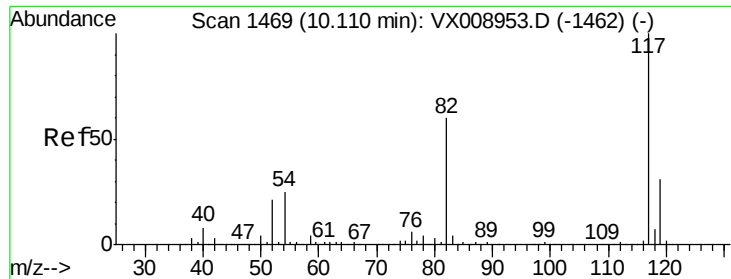


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

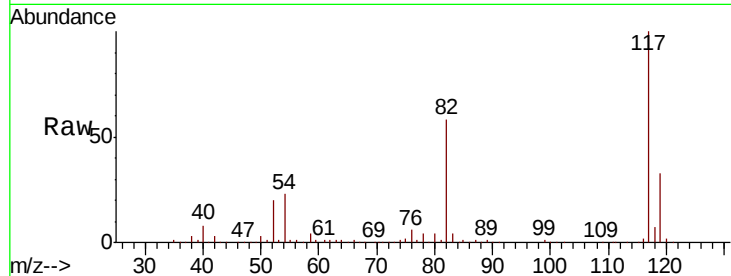




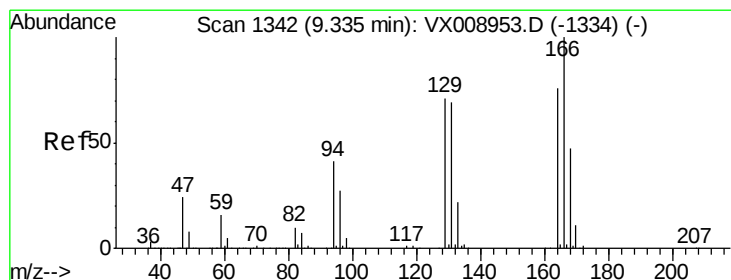
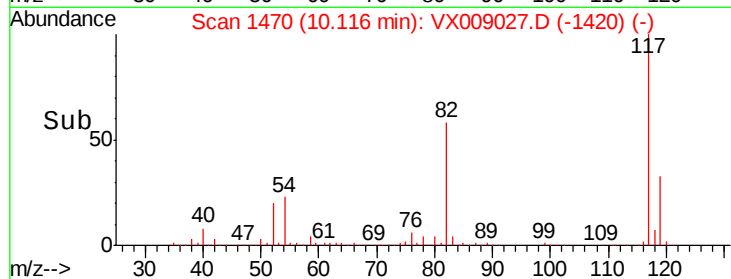
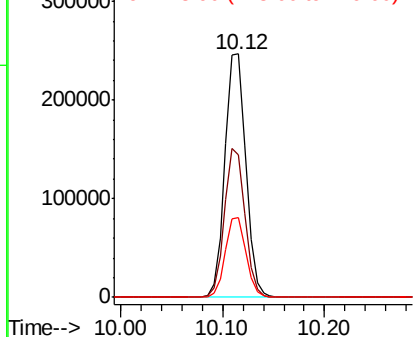
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009027.D
Acq: 17 Apr 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
SS036MW014-190415

Tot Ion:117 Resp: 351975
Ion Ratio Lower Upper
117 100
82 58.4 48.2 72.4
119 32.7 25.0 37.6



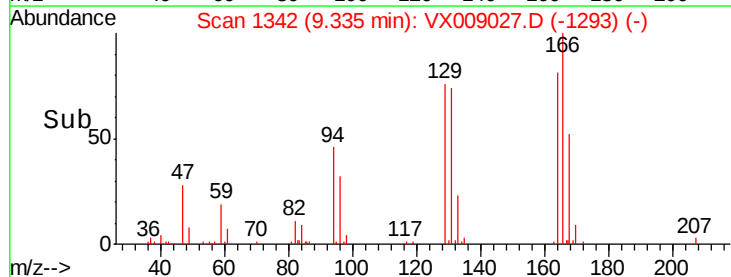
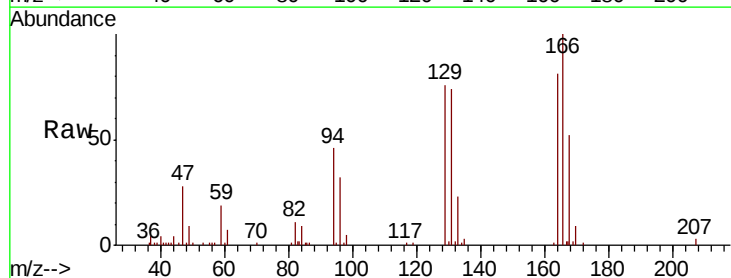
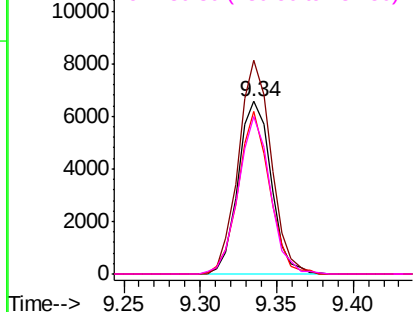
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

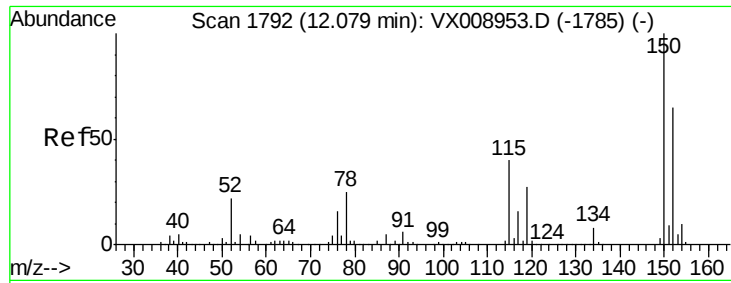


#64
Tetrachloroethene
Concen: 3.676 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009027.D
Acq: 17 Apr 2019 20:04

Tgt Ion:164 Resp: 9830
Ion Ratio Lower Upper
164 100
166 123.7 105.0 157.4
129 94.4 74.2 111.4
131 91.4 72.2 108.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX009027.D

Acq: 17 Apr 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

SS036MW014-190415

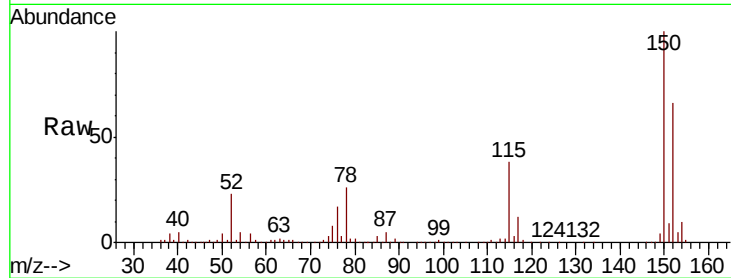
Tot Ion:152 Resp: 149553

Ion Ratio Lower Upper

152 100

115 59.2 41.4 124.2

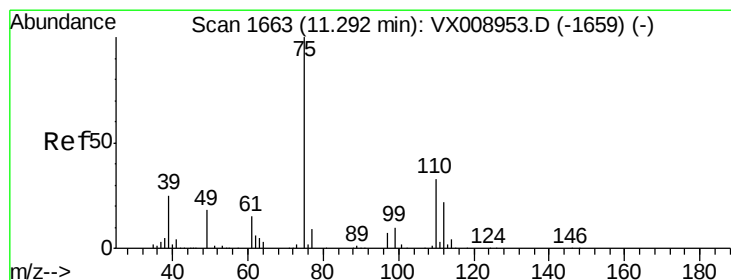
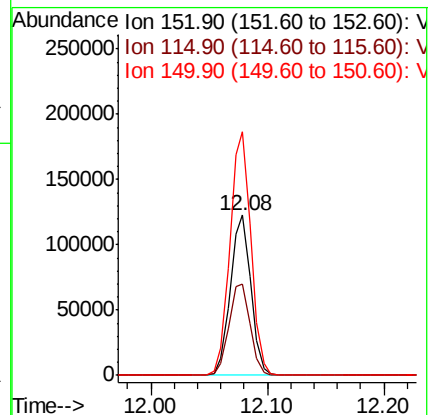
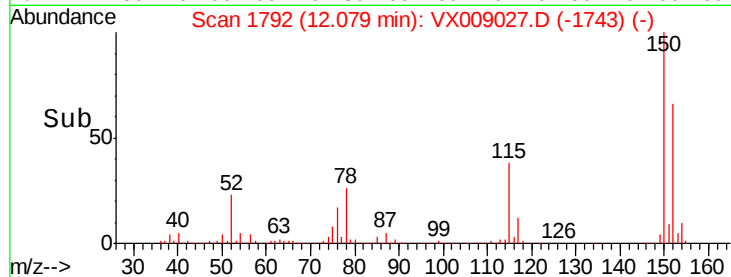
150 154.3 0.0 349.8



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: 23.229 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009027.D

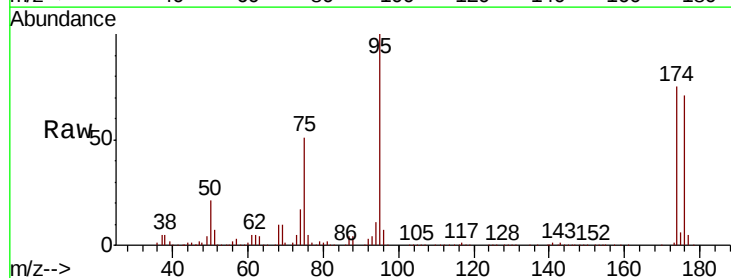
Acq: 17 Apr 2019 20:04

Tgt Ion: 75 Resp: 84827

Ion Ratio Lower Upper

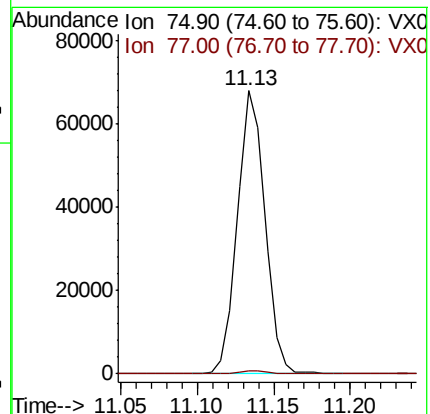
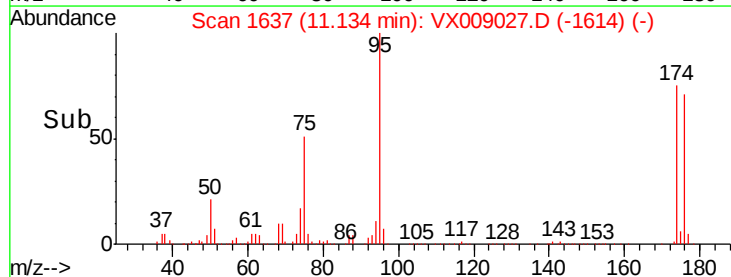
75 100

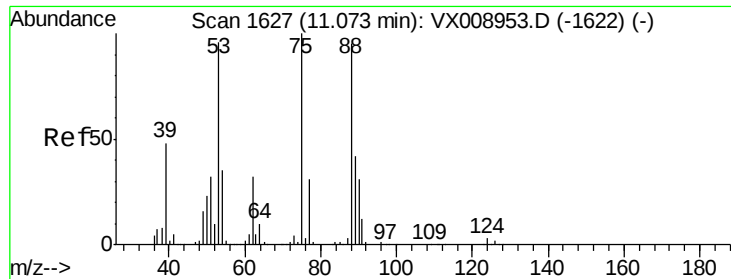
77 1.4 22.7 68.0#



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: 59.635 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009027.D

Acq: 17 Apr 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

SS036MW014-190415

Tot Ion: 75 Resp: 84827

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#

