

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032619\
 Data File : VX008451.D
 Acq On : 26 Mar 2019 12:57
 Operator : JC/SP
 Sample : K2082-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Mar 27 01:50:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	229603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387197	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	332793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136477	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	163501	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
35) Dibromofluoromethane	5.50	113	120586	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
50) Toluene-d8	8.71	98	487275	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
62) 4-Bromofluorobenzene	11.13	95	163088	43.60	ug/l	0.00
Spiked Amount			Recovery	=	87.20%	

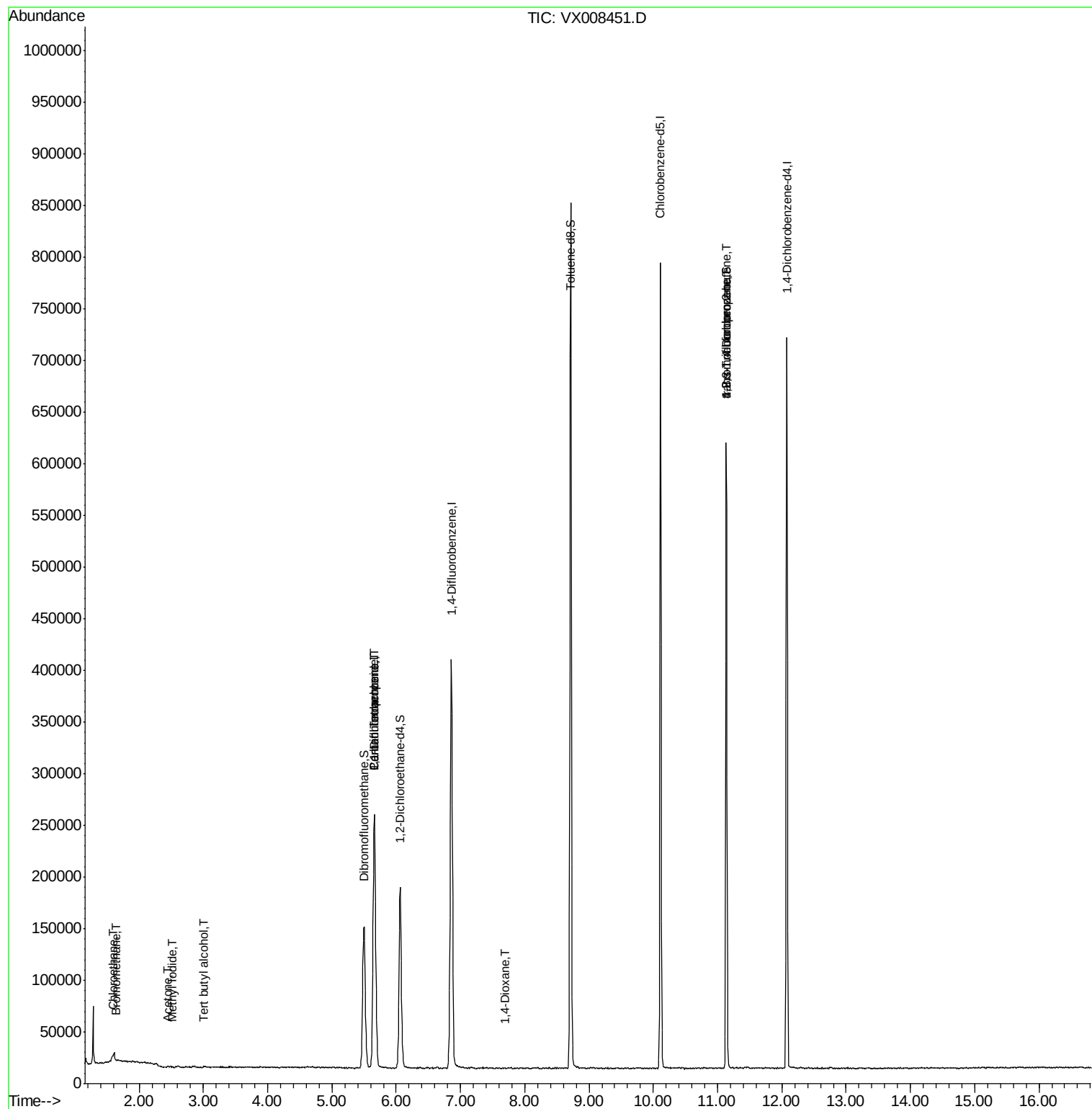
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	348	Below Cal		93
5) Bromomethane	1.64	94	426	2.015	ug/l #	72
6) Chloroethane	1.60	64	7003	3.128	ug/l #	54
10) Methyl Iodide	2.52	142	75	4.157	ug/l #	42
11) Tert butyl alcohol	3.01	59	522	0.677	ug/l #	93
16) Acetone	2.44	43	1232	0.677	ug/l	96
17) Carbon Disulfide	2.57	76	848	Below Cal	#	75
20) Methylene Chloride	2.85	84	659	Below Cal	#	88
21) trans-1,2-Dichloroethene	3.17	96	20	Below Cal	#	1
36) 1,1-Dichloropropene	5.66	75	19632	4.755	ug/l #	51
38) Carbon Tetrachloride	5.66	117	23365	6.782	ug/l #	15
49) 1,4-Dioxane	7.69	88	19	0.223	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	83648	20.616	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	83648	66.031	ug/l #	9

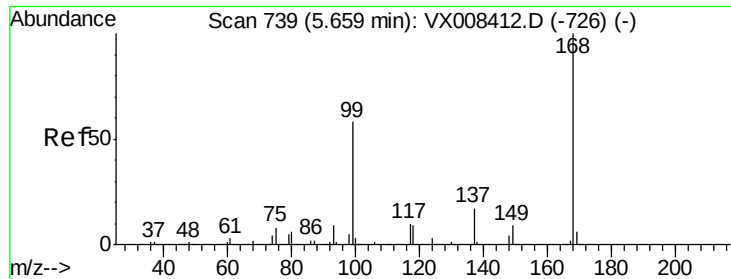
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008451.D

Acq: 26 Mar 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

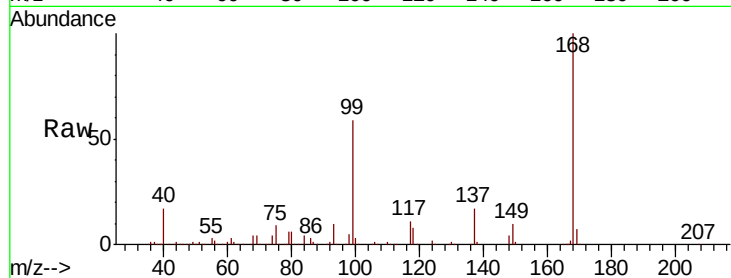
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 229603

Ion Ratio Lower Upper

168 100

99 59.5 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

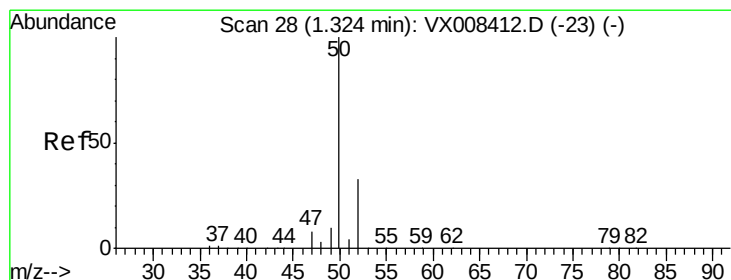
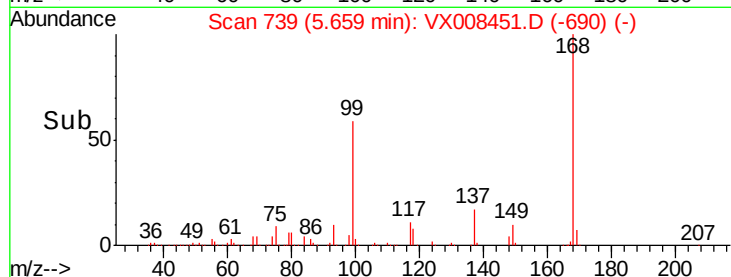
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008451.D

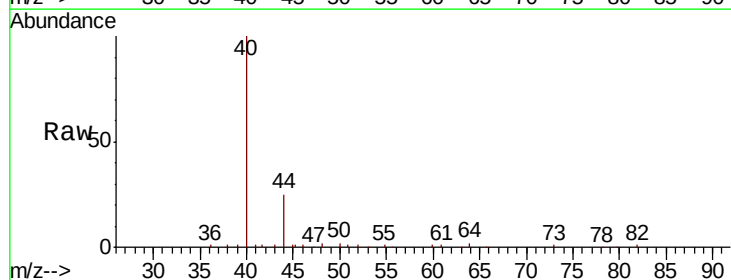
Acq: 26 Mar 2019 12:57

Tgt Ion: 50 Resp: 348

Ion Ratio Lower Upper

50 100

52 29.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

300

250

200

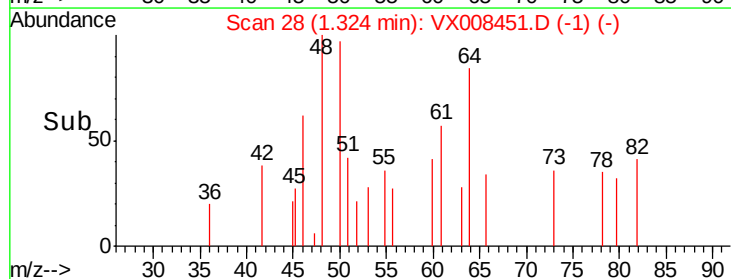
150

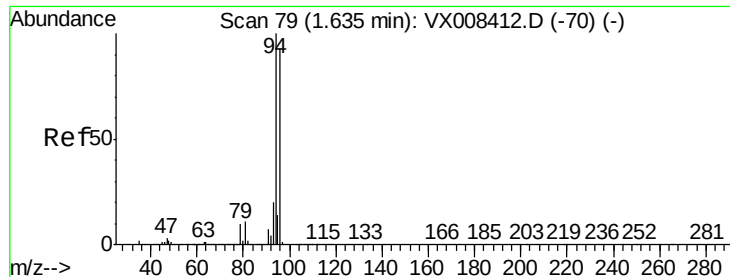
100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.015 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008451.D

Acq: 26 Mar 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

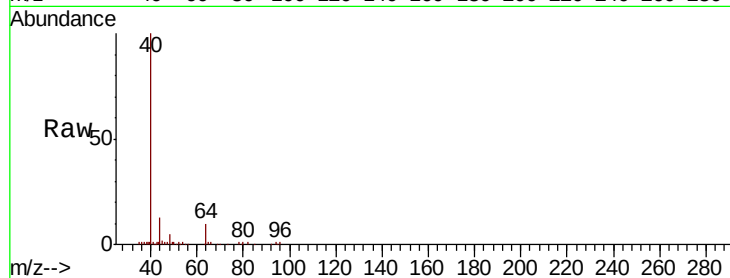
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 94 Resp: 426

Ion Ratio Lower Upper

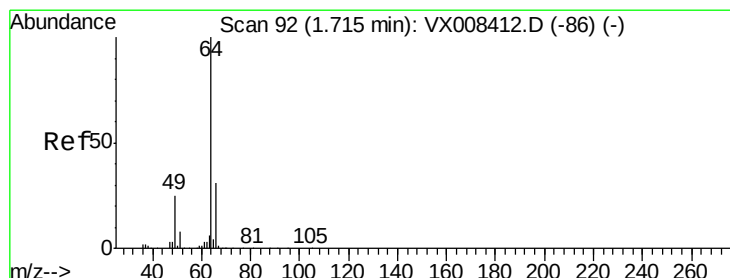
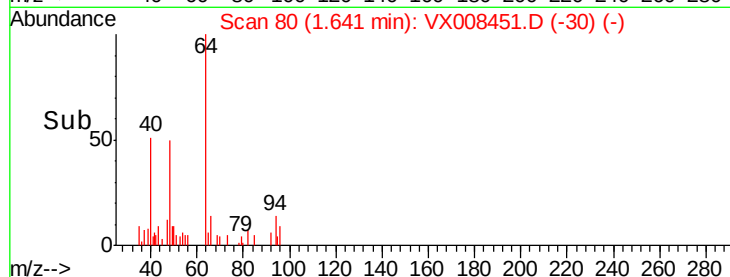
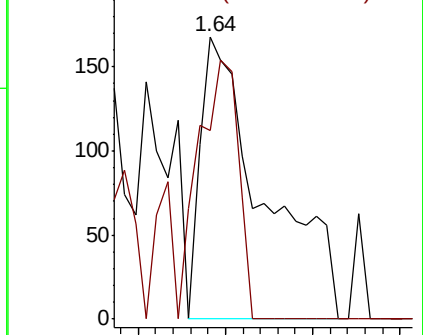
94 100

96 66.7 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 3.128 ug/l

RT: 1.60 min Scan# 73

Delta R.T. -0.12 min

Lab File: VX008451.D

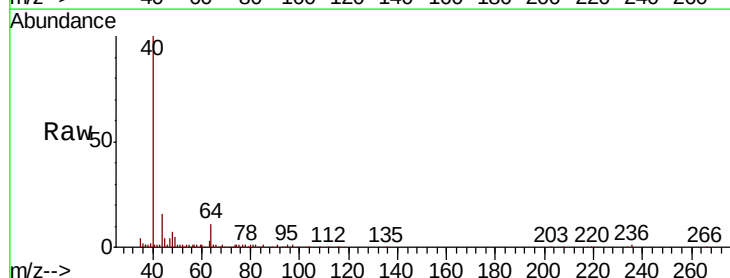
Acq: 26 Mar 2019 12:57

Tgt Ion: 64 Resp: 7003

Ion Ratio Lower Upper

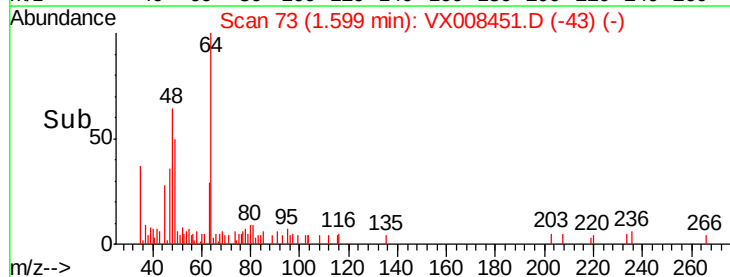
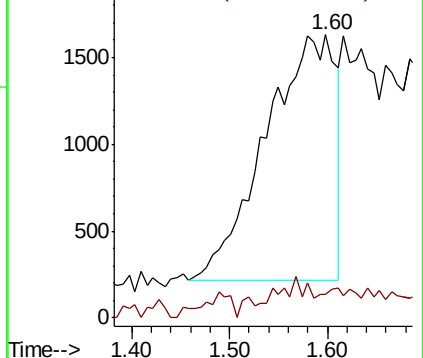
64 100

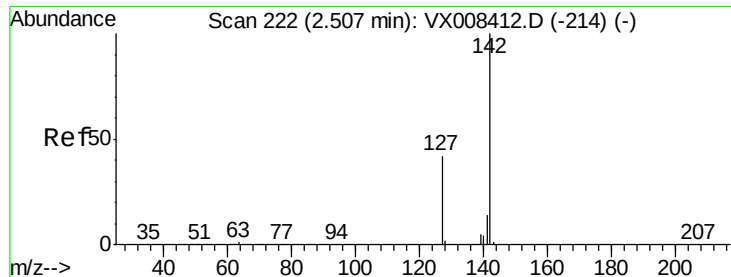
66 5.9 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

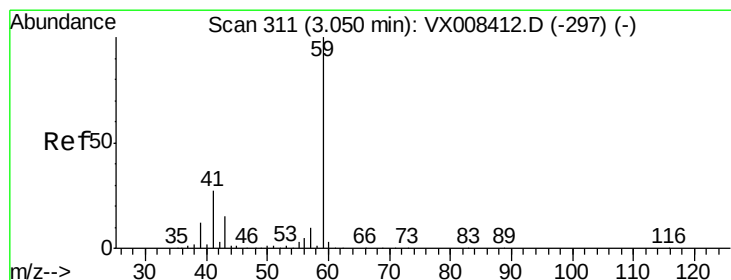
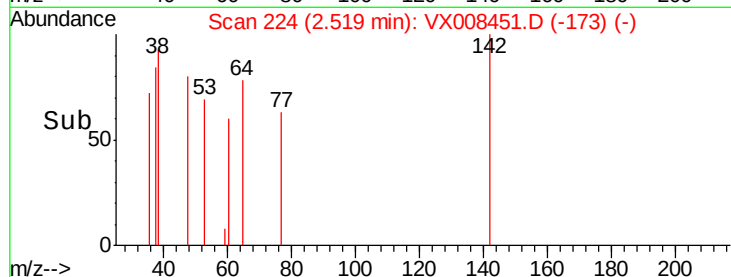
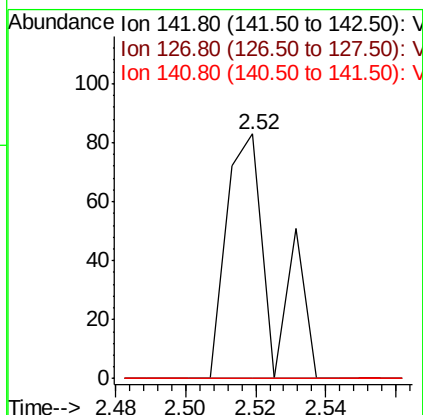
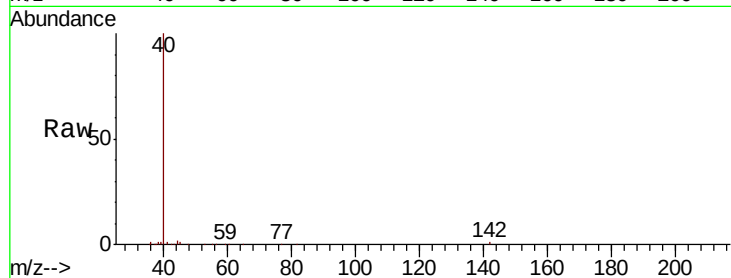




#10
Methyl Iodide
Concen: 4.157 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008451.D
Acq: 26 Mar 2019 12:57

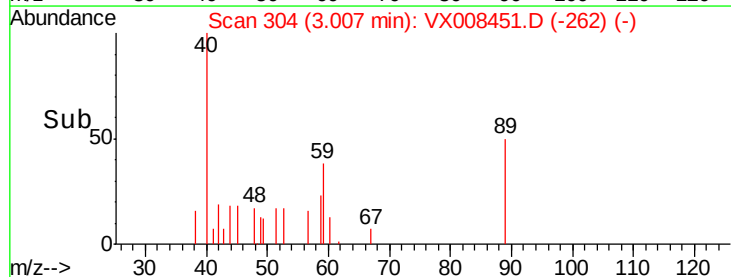
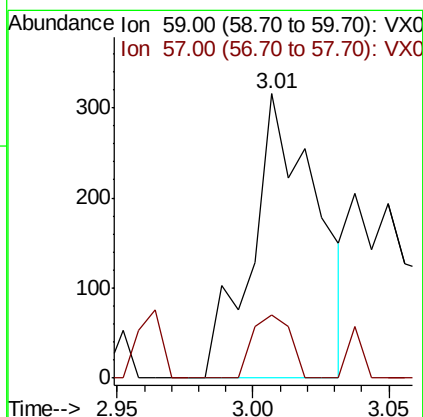
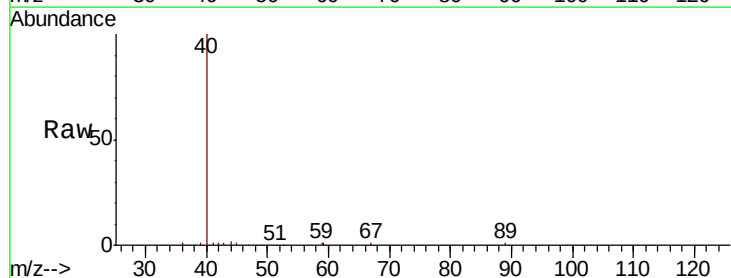
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MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

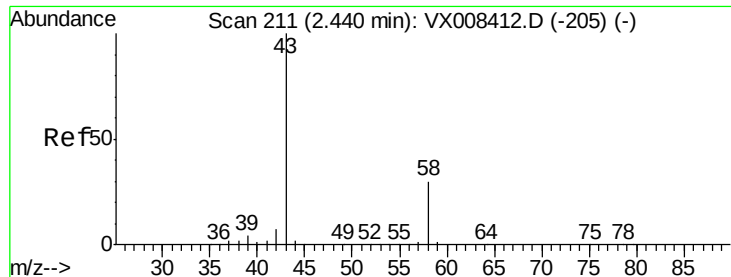
Tot Ion:142 Resp: 75
Ion Ratio Lower Upper
142 100
127 0.0 33.6 50.4#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.677 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.04 min
Lab File: VX008451.D
Acq: 26 Mar 2019 12:57

Tgt Ion: 59 Resp: 522
Ion Ratio Lower Upper
59 100
57 12.8 8.2 12.4#





#16

Acetone

Concen: 0.677 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008451.D

Acq: 26 Mar 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

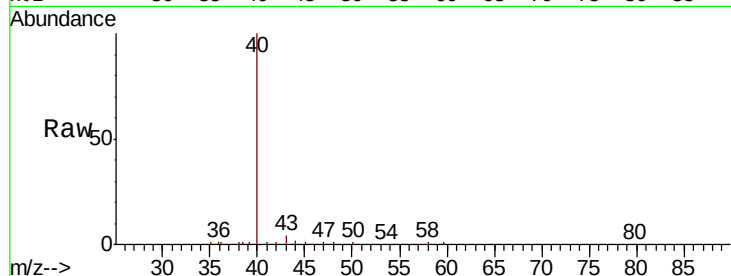
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 1232

Ion Ratio Lower Upper

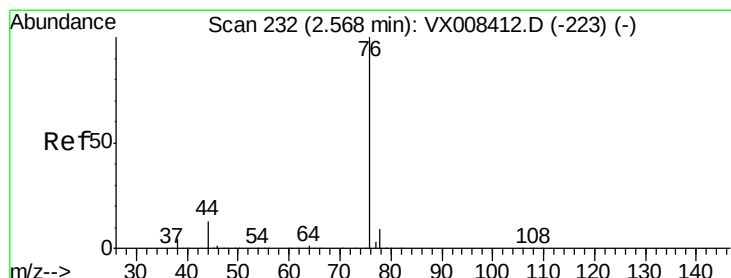
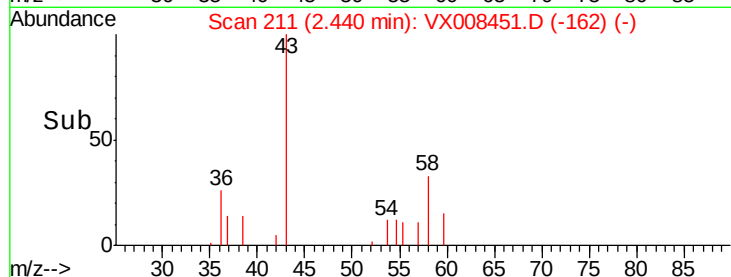
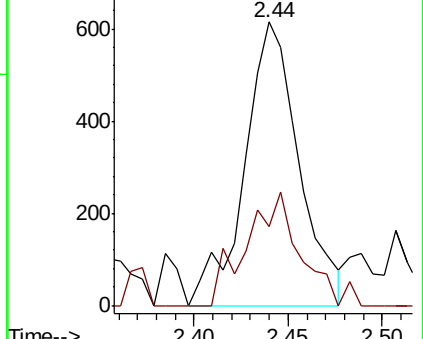
43 100

58 28.0 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008451.D

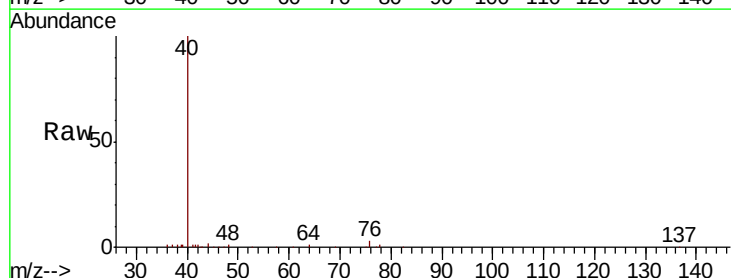
Acq: 26 Mar 2019 12:57

Tgt Ion: 76 Resp: 848

Ion Ratio Lower Upper

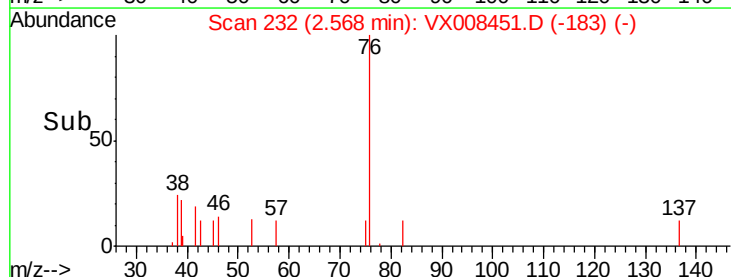
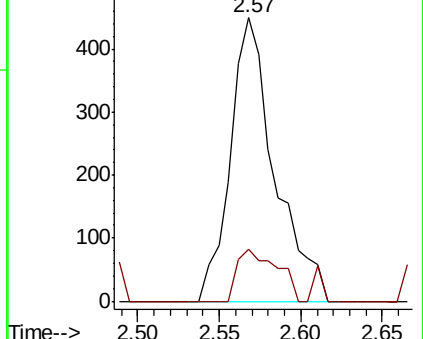
76 100

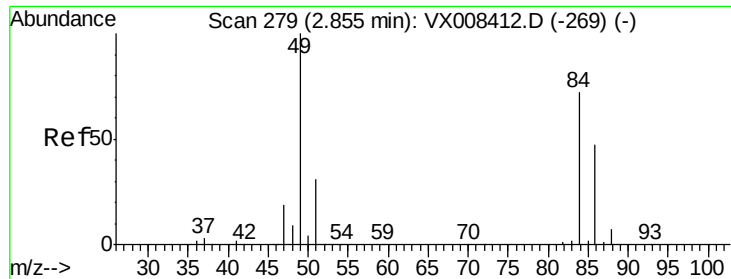
78 18.5 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

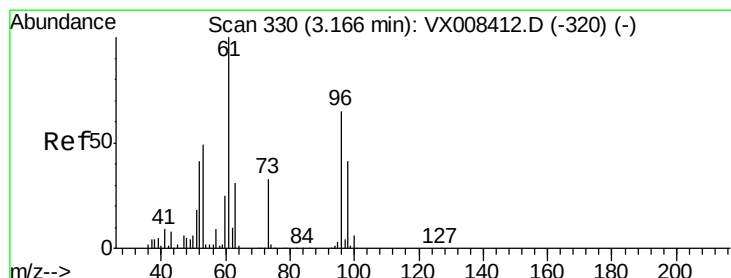
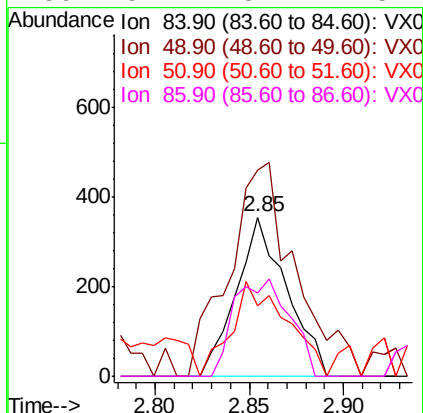
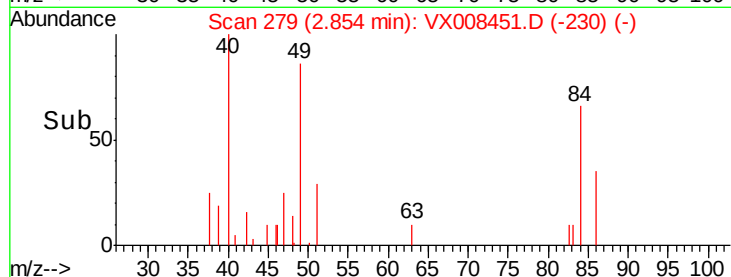
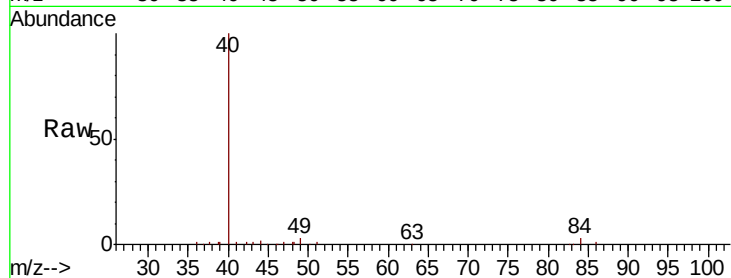




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008451.D
Acq: 26 Mar 2019 12:57

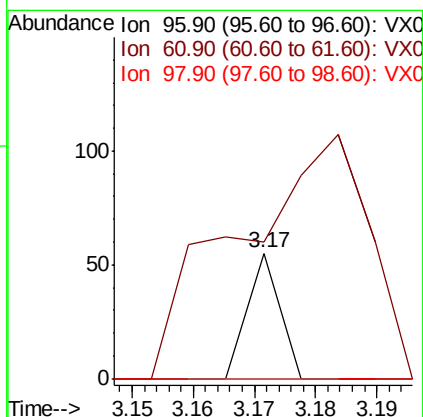
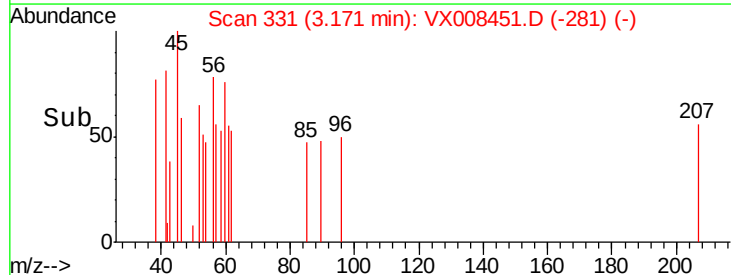
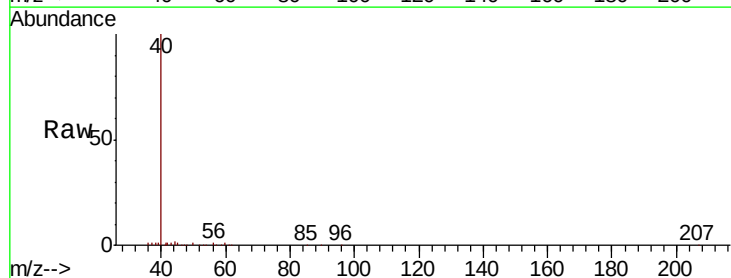
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

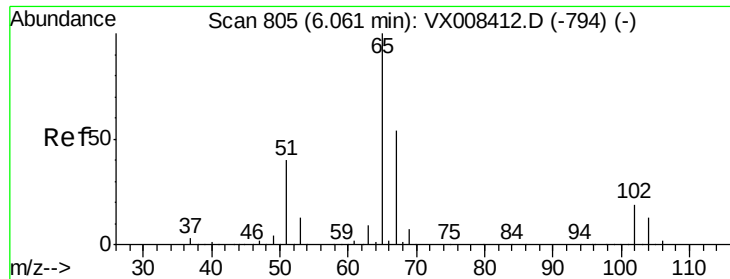
Tot Ion: 84 Resp: 659
Ion Ratio Lower Upper
84 100
49 129.6 110.6 165.8
51 29.9 33.9 50.9#
86 52.4 52.2 78.2



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX008451.D
Acq: 26 Mar 2019 12:57

Tgt Ion: 96 Resp: 20
Ion Ratio Lower Upper
96 100
61 1.8 122.6 184.0#
98 0.0 50.9 76.3#

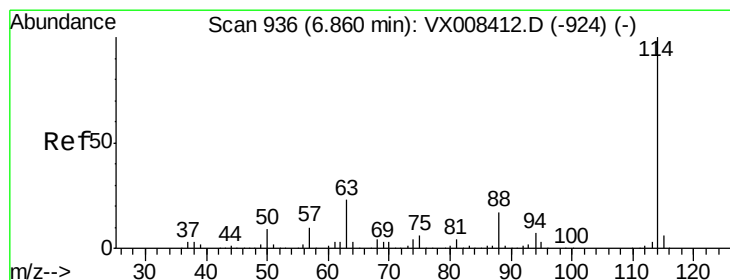
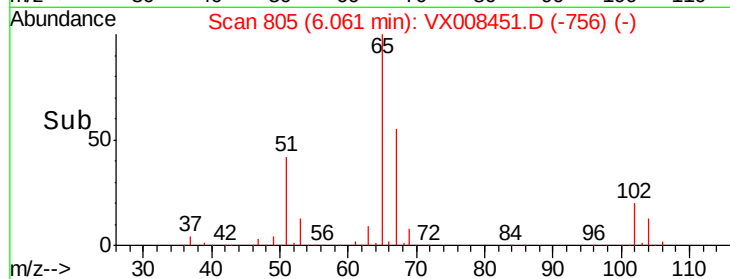
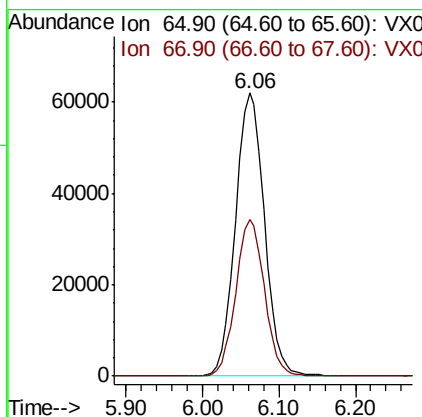
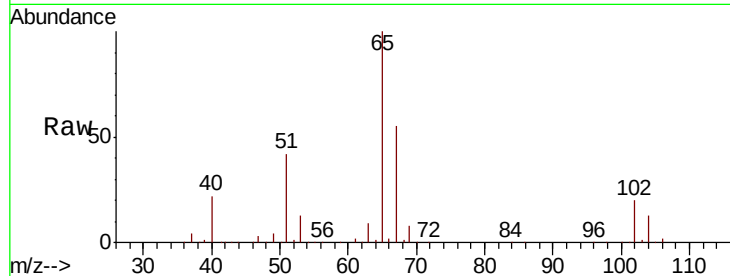




#33
 1,2-Dichloroethane-d4
 Concen: 46.972 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008451.D
 Acq: 26 Mar 2019 12:57

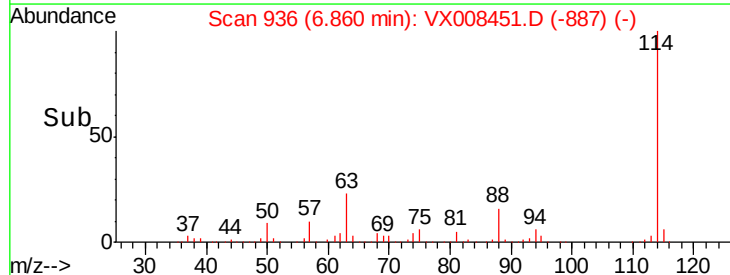
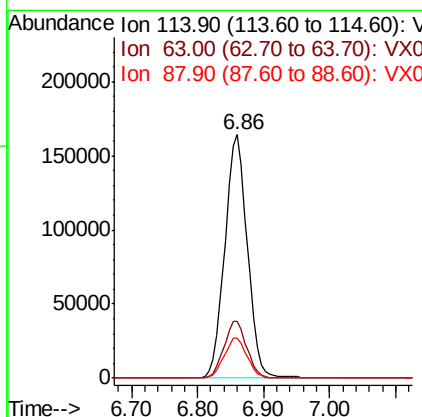
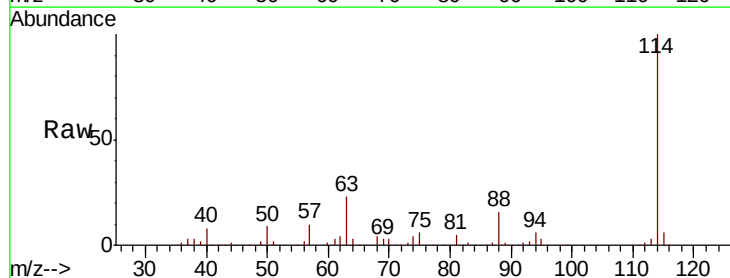
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 MSVOA_X
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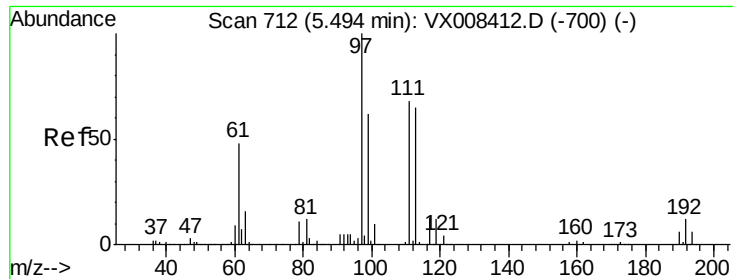
Tot Ion: 65 Resp: 163501
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008451.D
 Acq: 26 Mar 2019 12:57

Tgt Ion: 114 Resp: 387197
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 46.4
 88 16.4 0.0 33.2

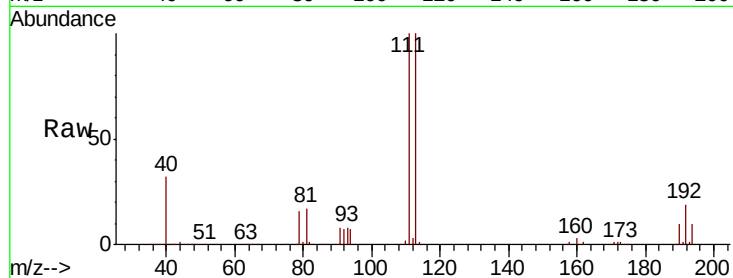




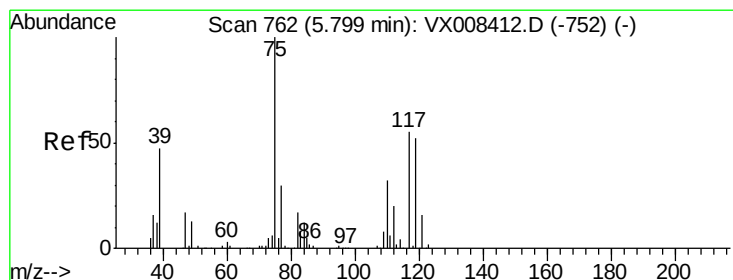
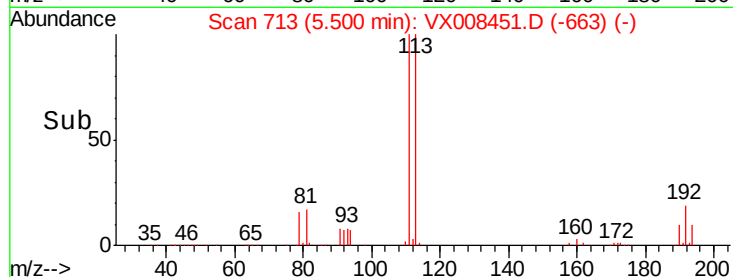
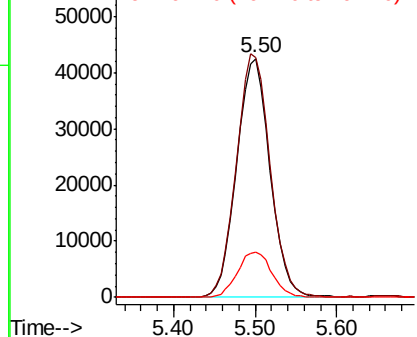
#35
Dibromofluoromethane
Concen: 47.762 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX008451.D
Acq: 26 Mar 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:113 Resp: 120586
Ion Ratio Lower Upper
113 100
111 103.1 83.0 124.4
192 19.8 15.6 23.4

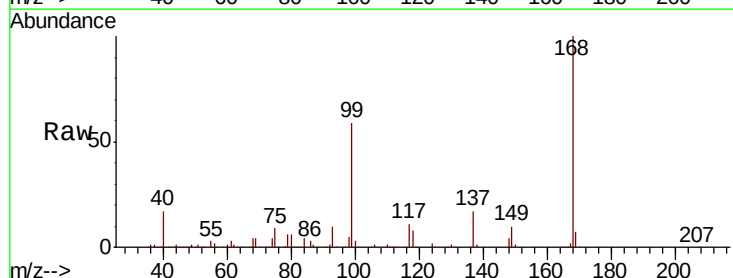


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

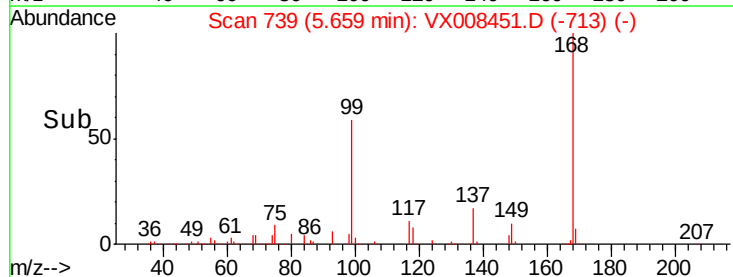
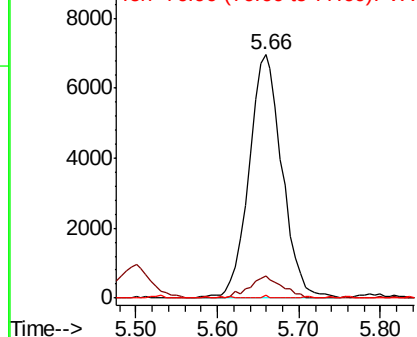


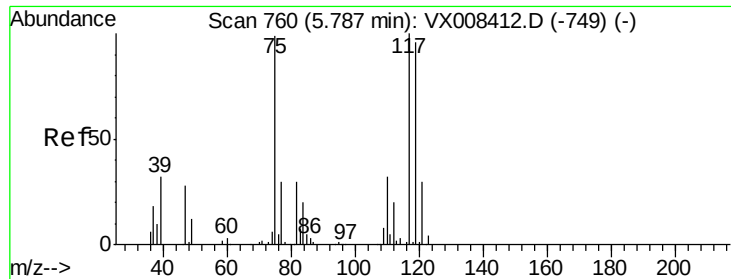
#36
1,1-Dichloropropene
Concen: 4.755 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX008451.D
Acq: 26 Mar 2019 12:57

Tgt Ion: 75 Resp: 19632
Ion Ratio Lower Upper
75 100
110 8.8 16.6 49.7#
77 0.1 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.782 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008451.D

Acq: 26 Mar 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

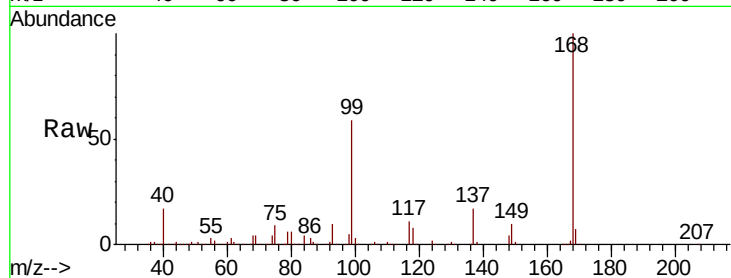
Tot Ion:117 Resp: 23365

Ion Ratio Lower Upper

117 100

119 4.3 76.7 115.1#

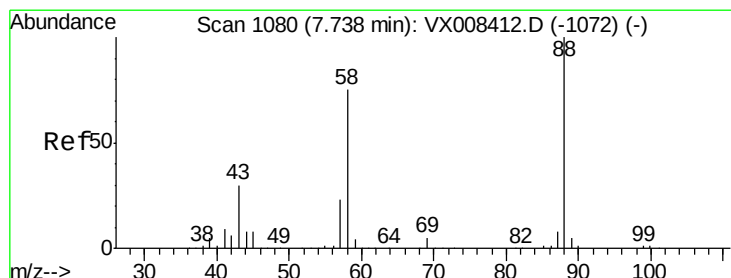
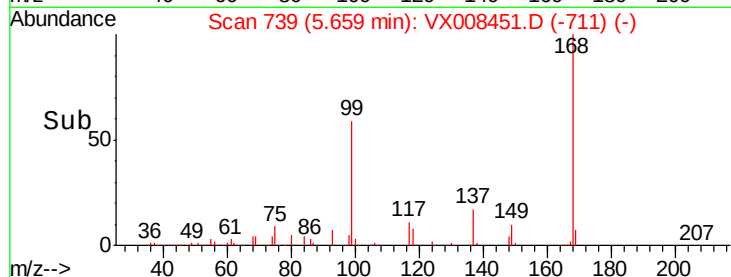
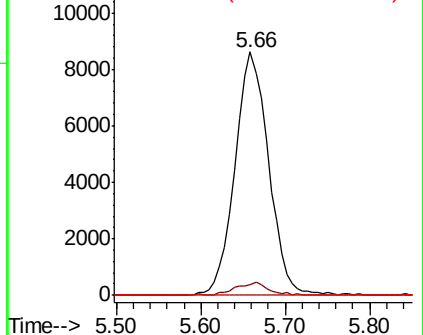
121 0.0 24.3 36.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.223 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.05 min

Lab File: VX008451.D

Acq: 26 Mar 2019 12:57

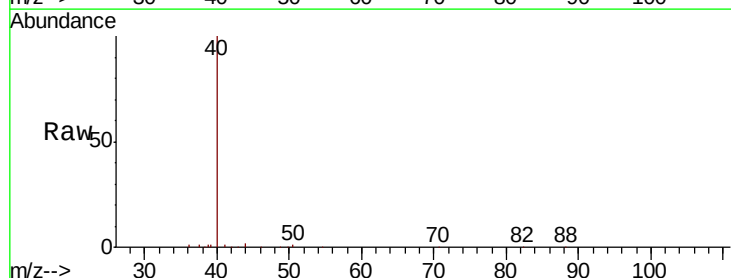
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 1010.5 28.6 43.0#

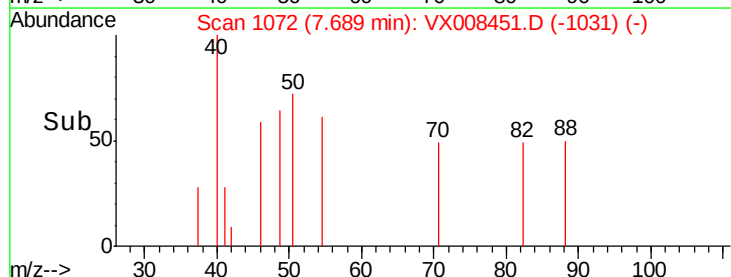
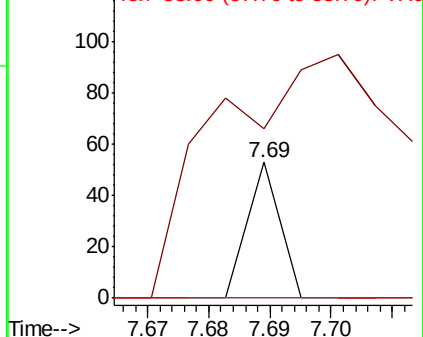
58 0.0 63.0 94.4#

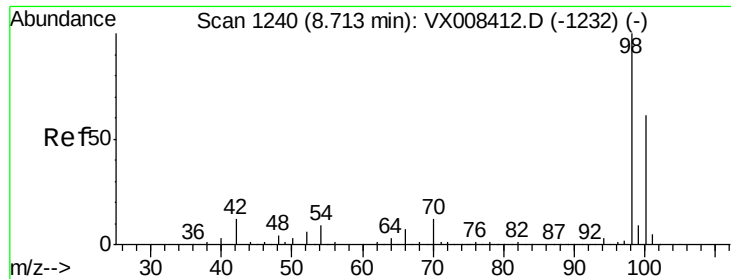


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

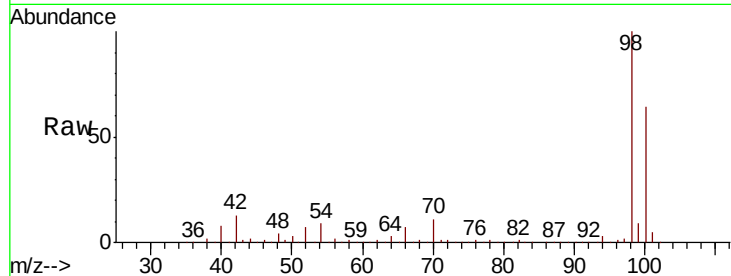




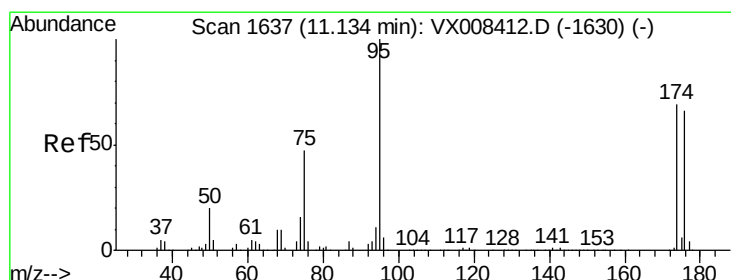
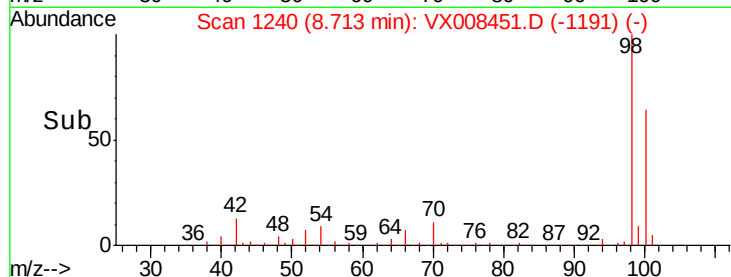
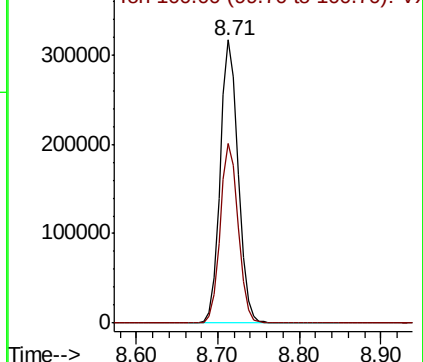
#50
Toluene-d8
Concen: 48.268 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008451.D
Acq: 26 Mar 2019 12:57

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 98 Resp: 487275
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7

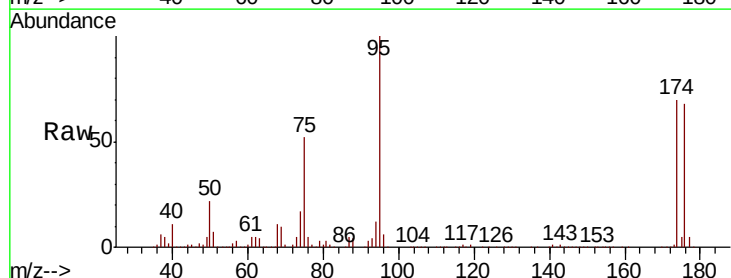


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

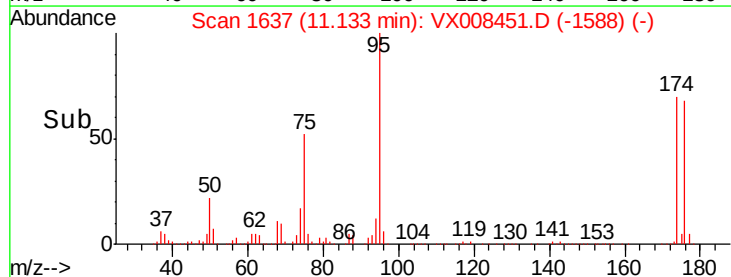
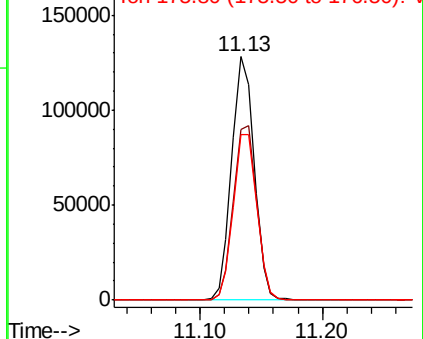


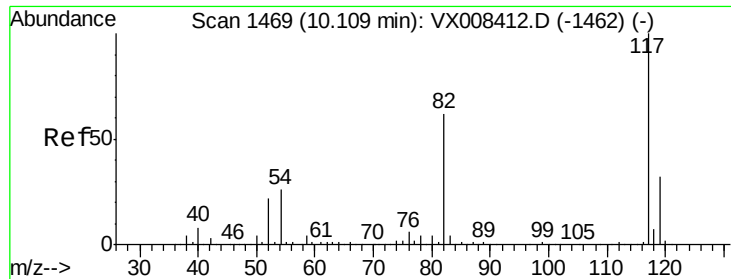
#62
4-Bromofluorobenzene
Concen: 43.596 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008451.D
Acq: 26 Mar 2019 12:57

Tgt Ion: 95 Resp: 163088
Ion Ratio Lower Upper
95 100
174 74.0 0.0 147.2
176 71.3 0.0 142.4



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

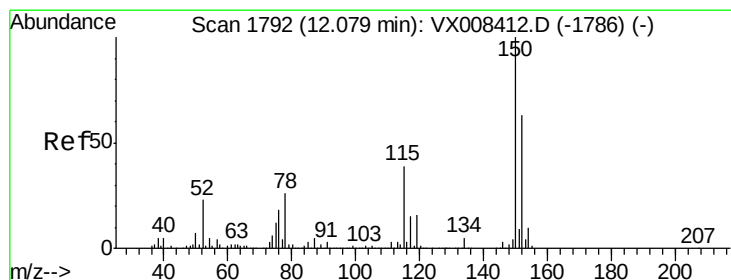
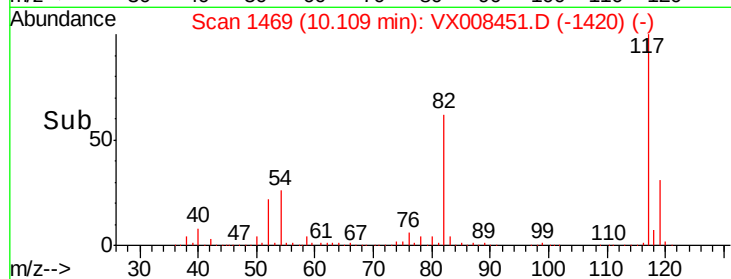
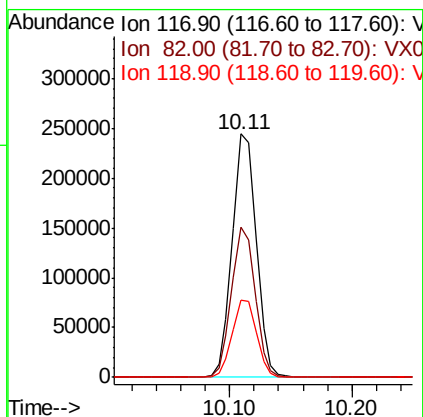
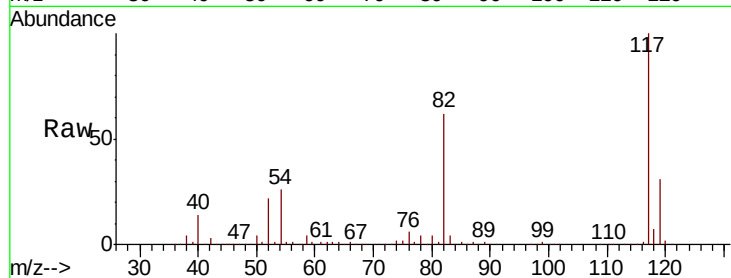




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008451.D
Acq: 26 Mar 2019 12:57

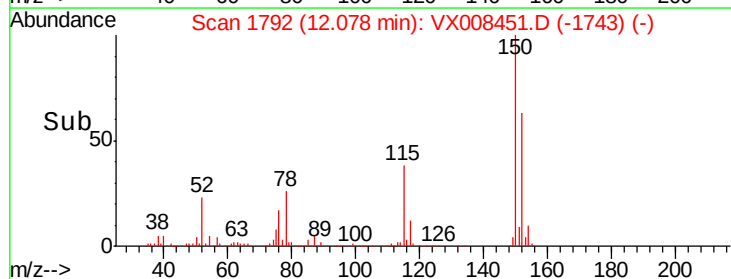
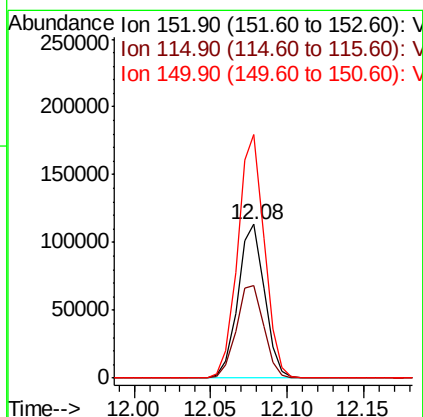
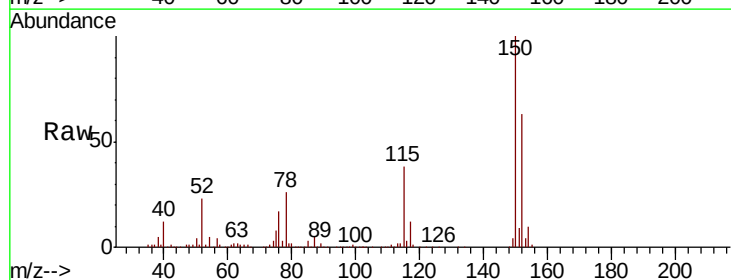
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

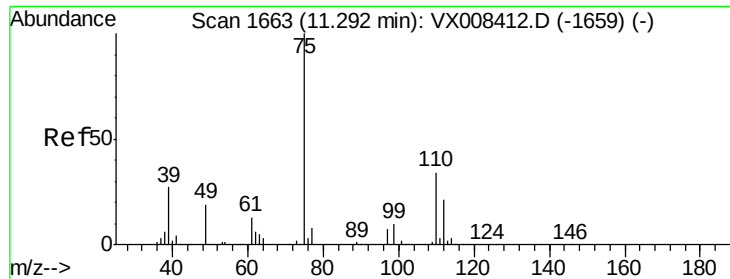
Tot Ion:117 Resp: 332793
Ion Ratio Lower Upper
117 100
82 61.7 49.4 74.2
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008451.D
Acq: 26 Mar 2019 12:57

Tgt Ion:152 Resp: 136477
Ion Ratio Lower Upper
152 100
115 62.6 43.5 130.5
150 159.1 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 20.616 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008451.D

Acq: 26 Mar 2019 12:57

Instrument :

MSVOA_X

ClientSampleId :

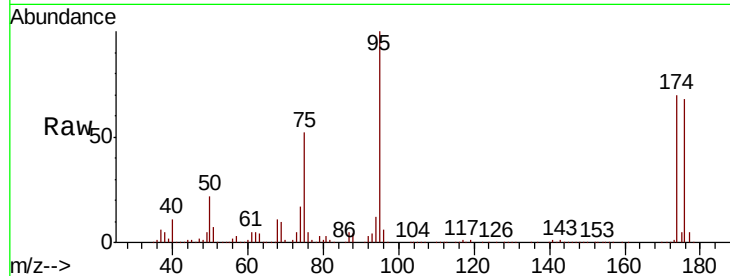
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 83648

Ion Ratio Lower Upper

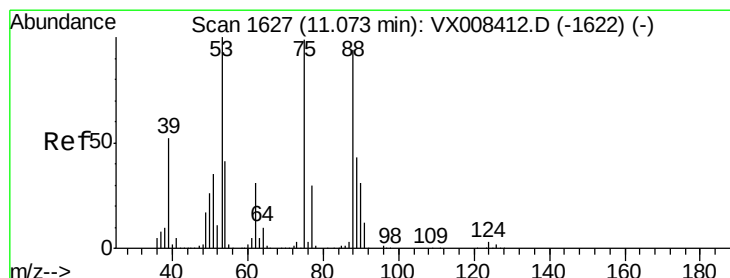
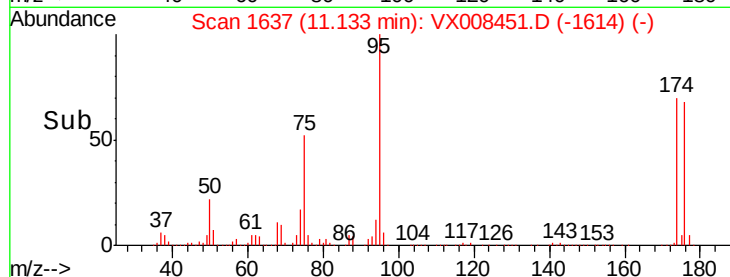
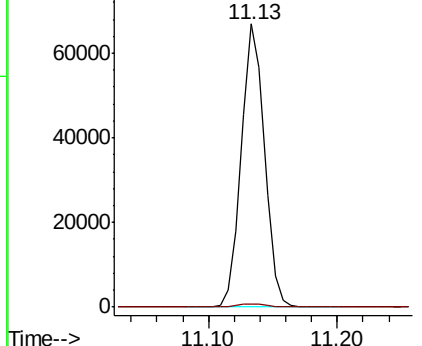
75 100

77 1.2 21.9 65.7#



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: 66.031 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008451.D

Acq: 26 Mar 2019 12:57

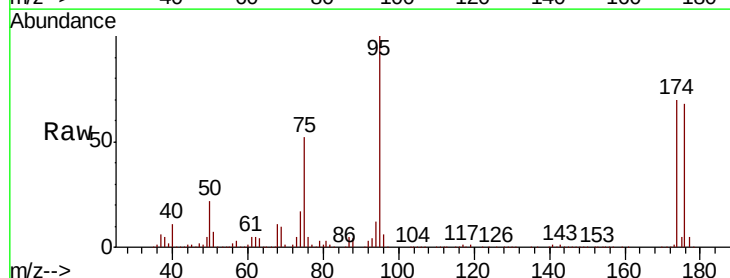
Tgt Ion: 75 Resp: 83648

Ion Ratio Lower Upper

75 100

53 0.1 82.1 123.1#

89 0.0 34.6 52.0#



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

