

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050719\
 Data File : VX009381.D
 Acq On : 07 May 2019 16:54
 Operator : JC/SP
 Sample : K2728-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP BLANK

Quant Time: May 08 02:16:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 08:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	179032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	284496	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108586	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	116164	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
35) Dibromofluoromethane	5.50	113	87232	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
50) Toluene-d8	8.71	98	357435	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
62) 4-Bromofluorobenzene	11.13	95	121232	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

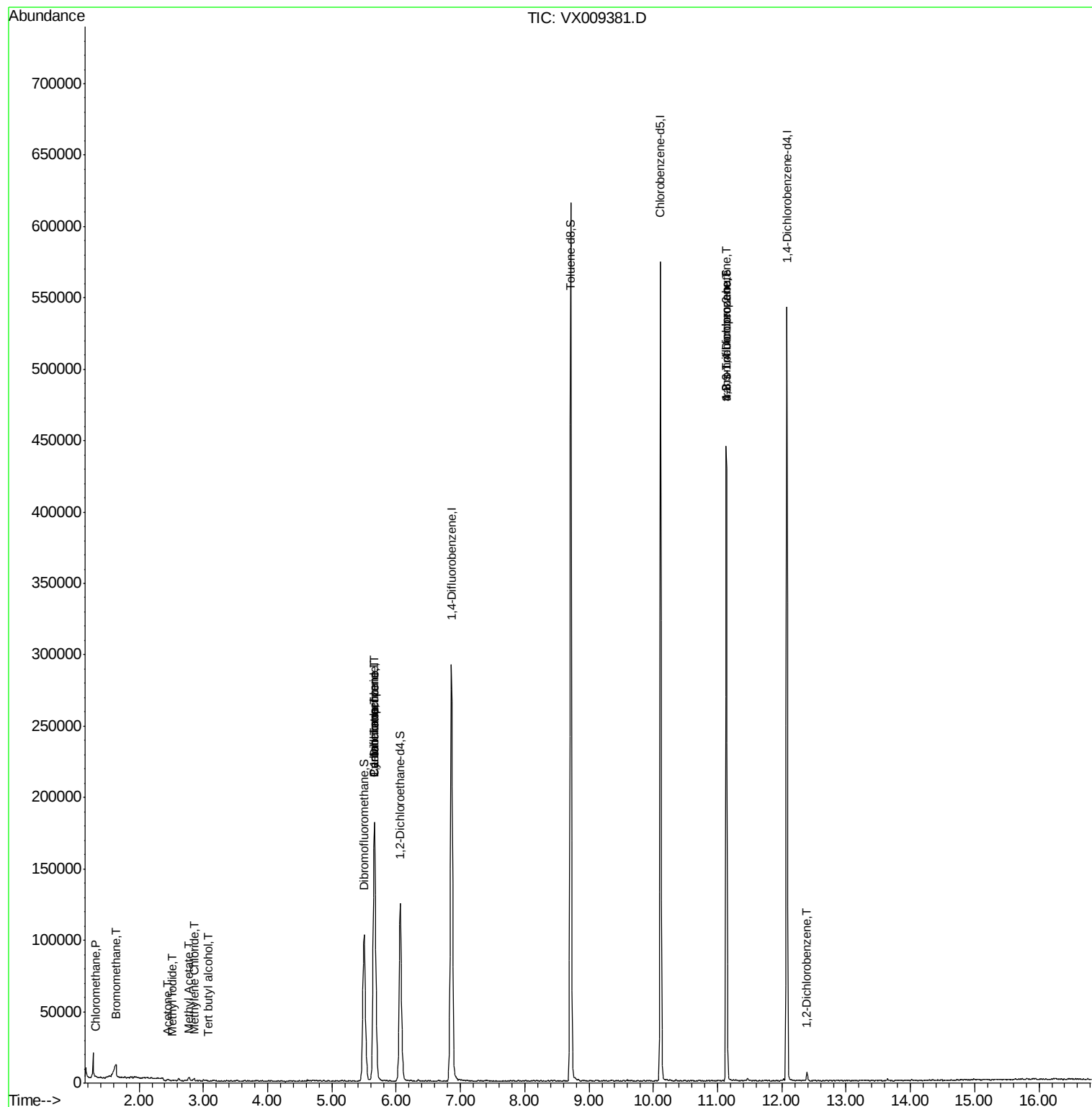
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	478	0.212	ug/l	92
5) Bromomethane	1.64	94	415	0.315	ug/l #	62
10) Methyl Iodide	2.51	142	99	4.640	ug/l #	42
11) Tert butyl alcohol	3.07	59	181	0.320	ug/l #	73
16) Acetone	2.45	43	1063	0.810	ug/l	100
18) Methyl Acetate	2.77	43	3408	1.092	ug/l	99
20) Methylene Chloride	2.85	84	528	0.248	ug/l #	73
28) Bromochloromethane	5.02	49	34	Below Cal	#	20
31) Cyclohexane	5.65	56	3924	1.086	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13875	5.248	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16952	7.057	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	60930	24.190	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60930	61.894	ug/l #	10
91) 1,2-Dichlorobenzene	12.39	146	1579	0.444	ug/l	88

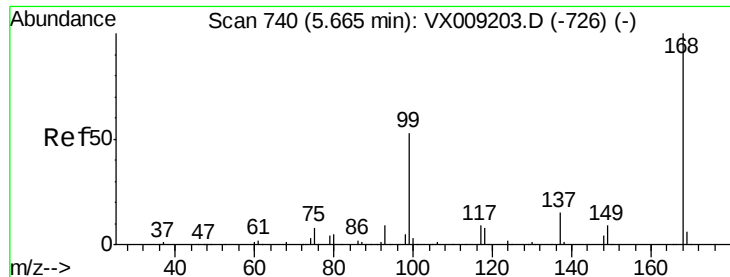
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009381.D

Acq: 07 May 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

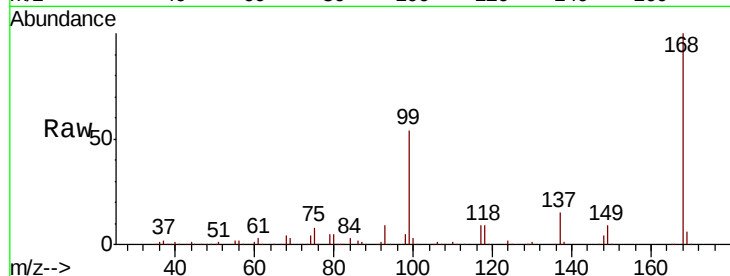
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Tot Ion:168 Resp: 179032

Ion Ratio Lower Upper

168 100

99 53.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VX009203.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX009203.D (-726) (-)

5.67

60000

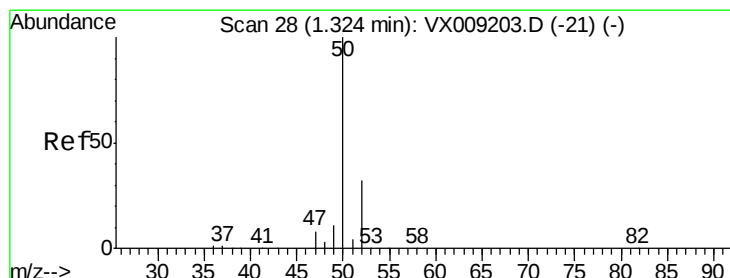
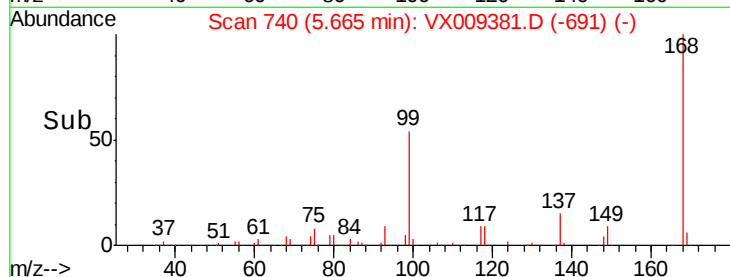
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.212 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009381.D

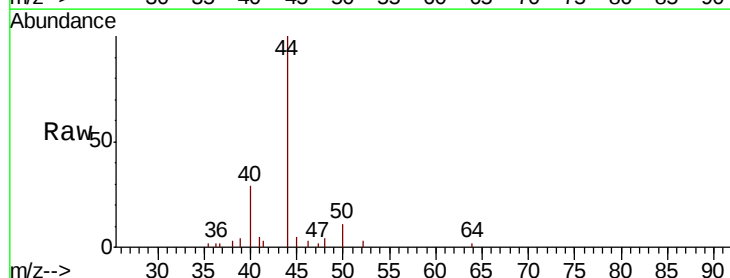
Acq: 07 May 2019 16:54

Tgt Ion: 50 Resp: 478

Ion Ratio Lower Upper

50 100

52 27.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX009203.D (-21) (-)

Ion 51.90 (51.60 to 52.60): VX009203.D (-21) (-)

1.32

300

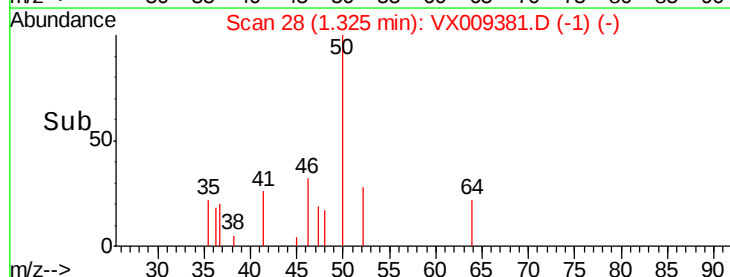
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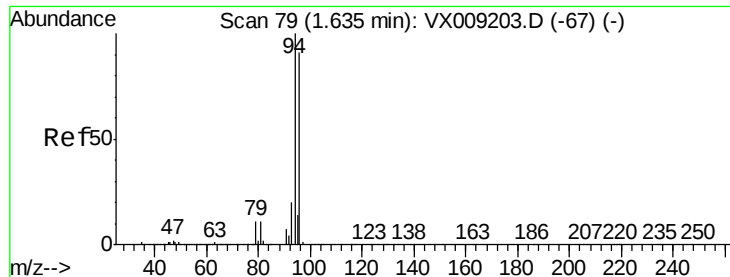
100

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 0.315 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009381.D

Acq: 07 May 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

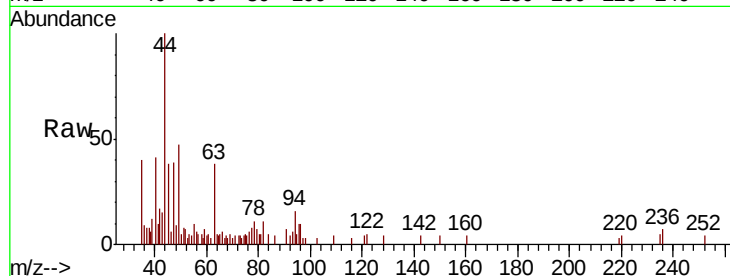
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Tot Ion: 94 Resp: 415

Ion Ratio Lower Upper

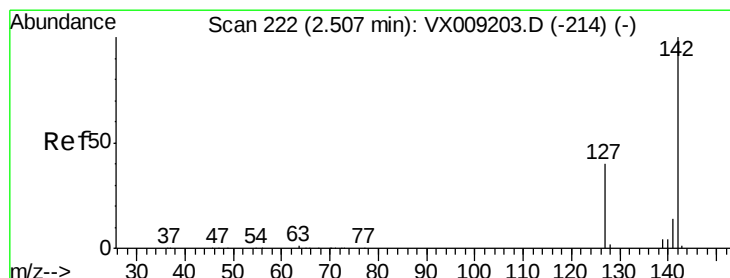
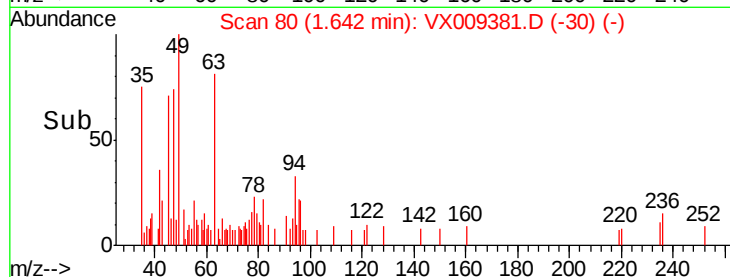
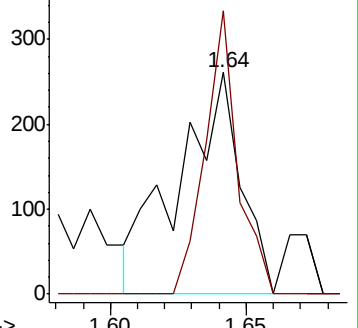
94 100

96 127.6 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.640 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009381.D

Acq: 07 May 2019 16:54

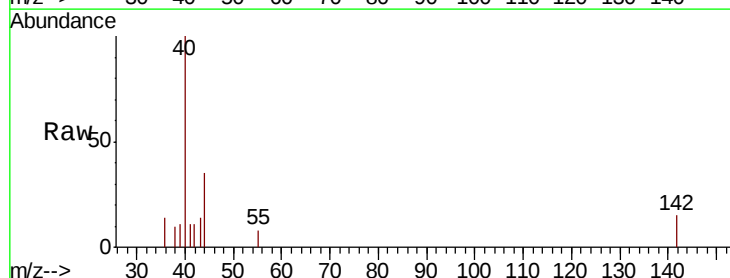
Tgt Ion: 142 Resp: 99

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

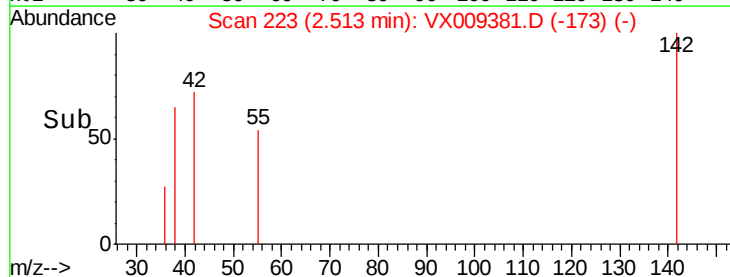
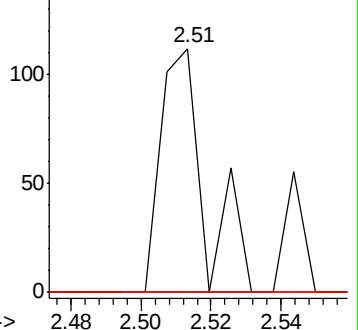
141 0.0 11.5 17.3#

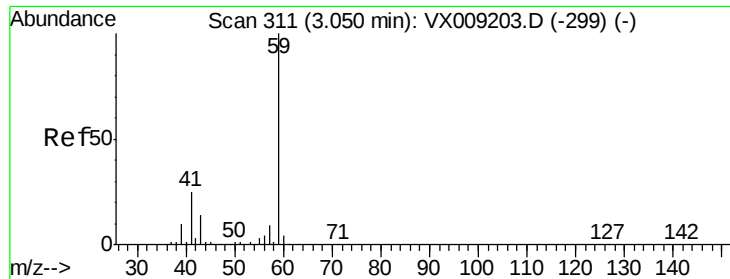


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

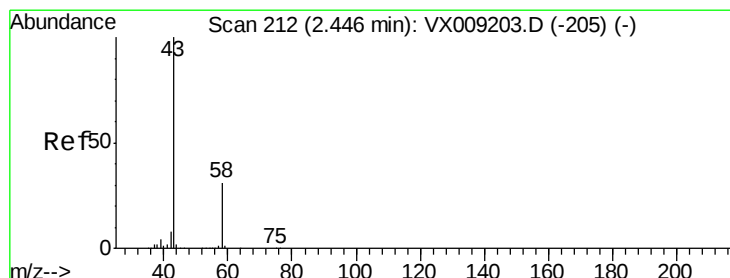
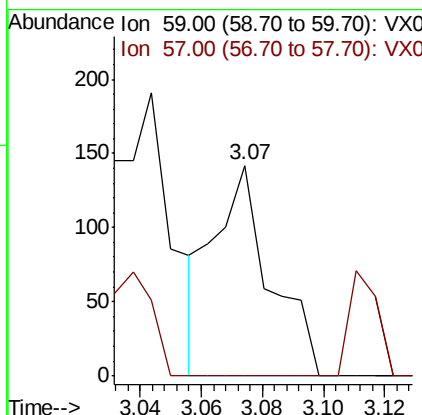
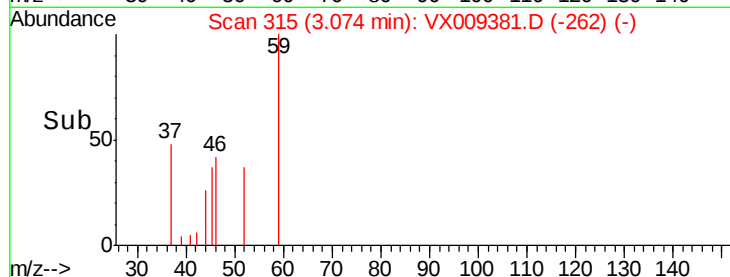
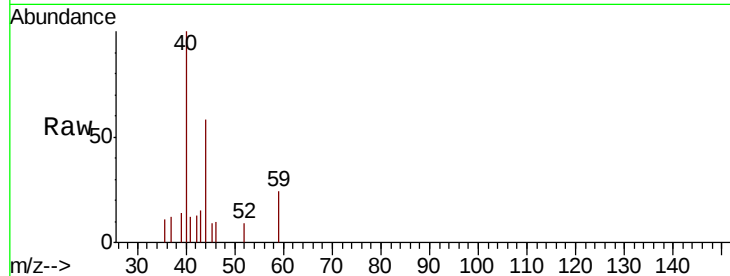




#11
Tert butyl alcohol
Concen: 0.320 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.02 min
Lab File: VX009381.D
Acq: 07 May 2019 16:54

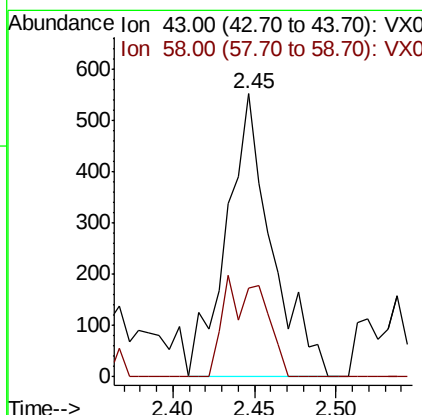
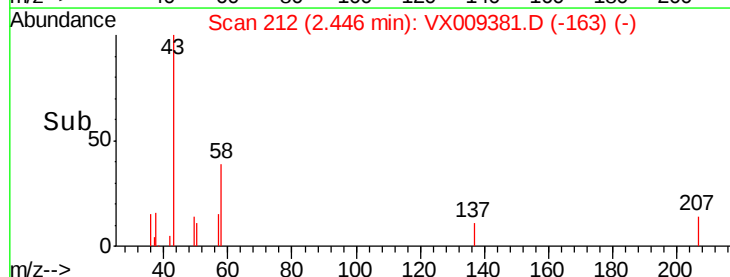
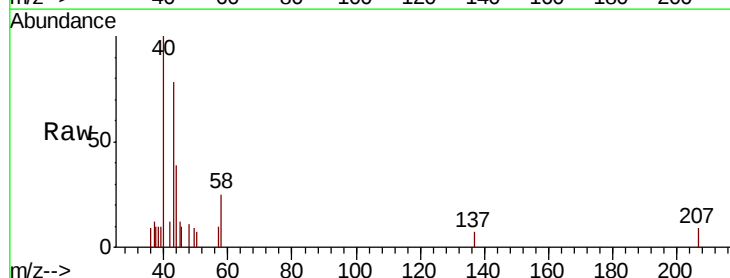
Instrument :
MSVOA_X
ClientSampled :
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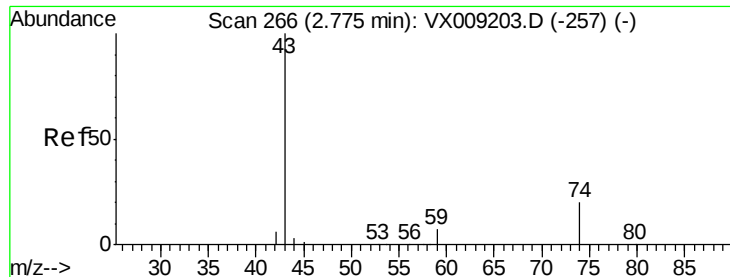
Tot Ion: 59 Resp: 181
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 0.810 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX009381.D
Acq: 07 May 2019 16:54

Tgt Ion: 43 Resp: 1063
Ion Ratio Lower Upper
43 100
58 31.3 24.9 37.3

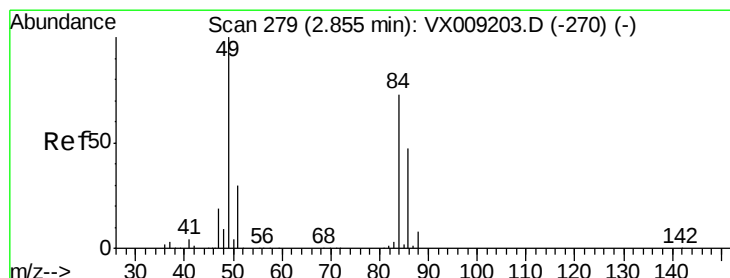
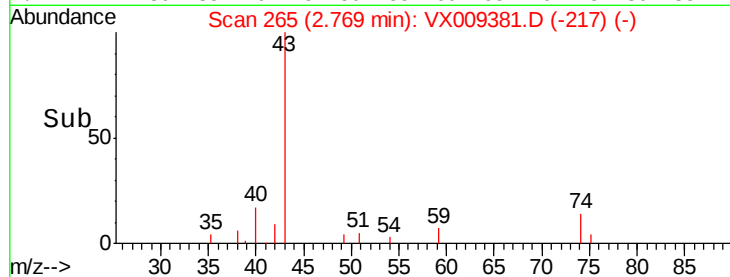
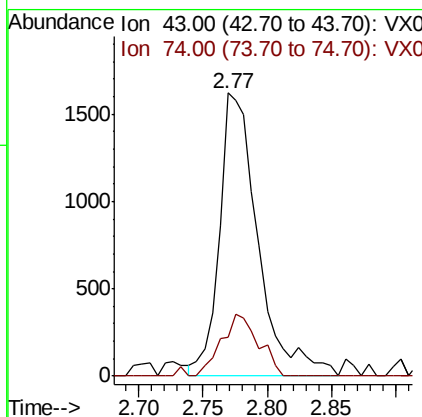
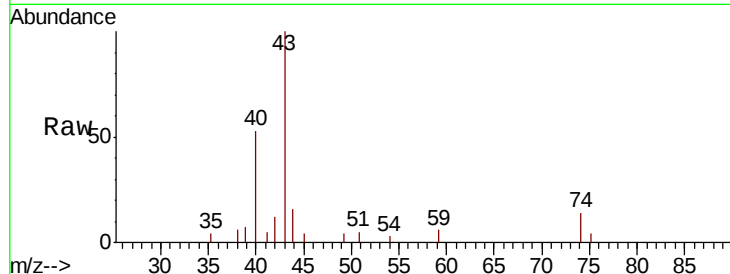




#18
Methvl Acetate
Concen: 1.092 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009381.D
Acq: 07 May 2019 16:54

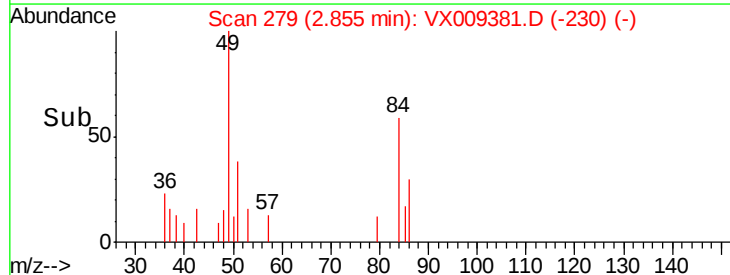
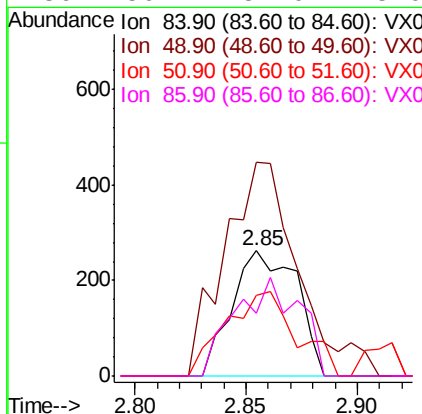
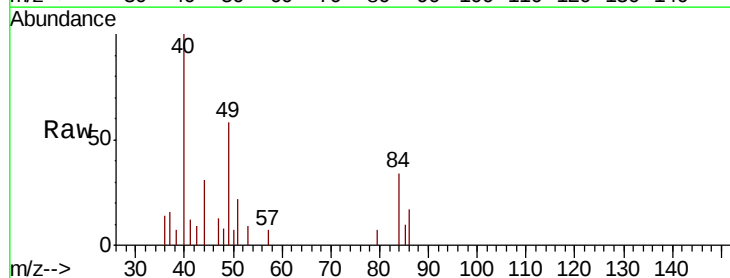
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ClientSampleId :
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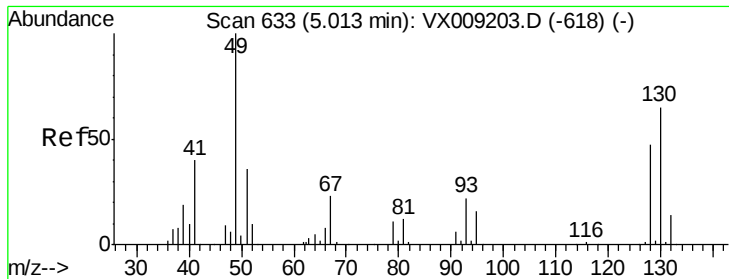
Tot Ion: 43 Resp: 3408
Ion Ratio Lower Upper
43 100
74 20.8 16.2 24.4



#20
Methylene Chloride
Concen: 0.248 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009381.D
Acq: 07 May 2019 16:54

Tgt Ion: 84 Resp: 528
Ion Ratio Lower Upper
84 100
49 170.6 109.9 164.9#
51 64.9 32.7 49.1#
86 50.4 52.0 78.0#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009381.D

Acq: 07 May 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

TRIP BLANK

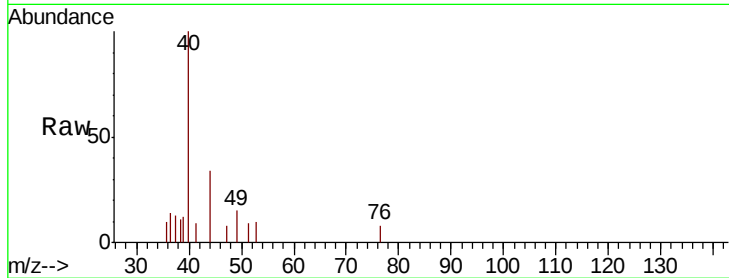
Tot Ion: 49 Resp: 34

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

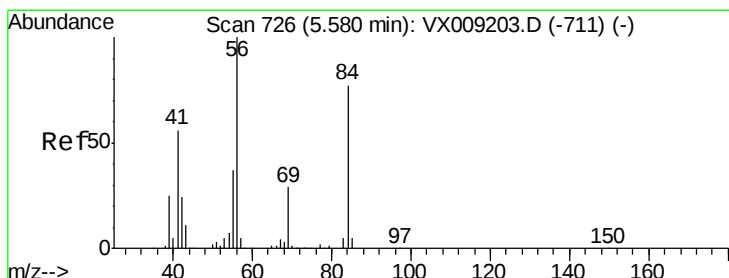
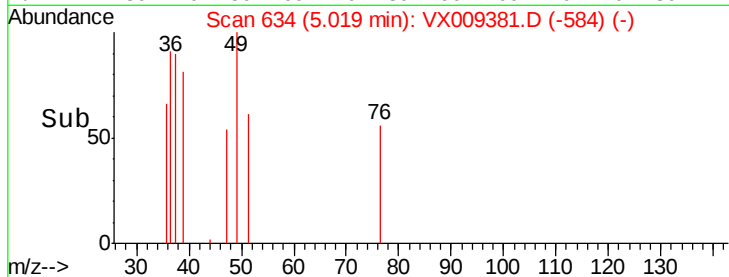
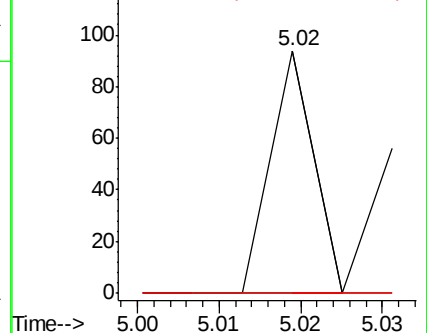
130 0.0 51.2 76.8#



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: 1.086 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX009381.D

Acq: 07 May 2019 16:54

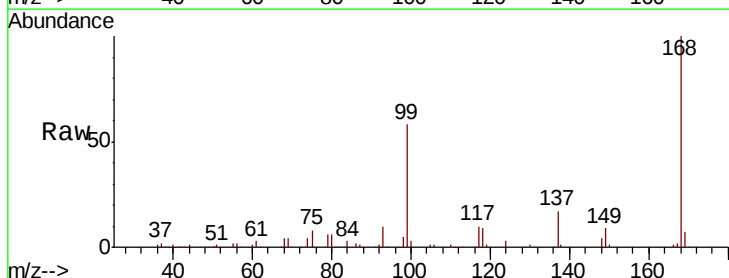
Tgt Ion: 56 Resp: 3924

Ion Ratio Lower Upper

56 100

69 158.9 23.4 35.0#

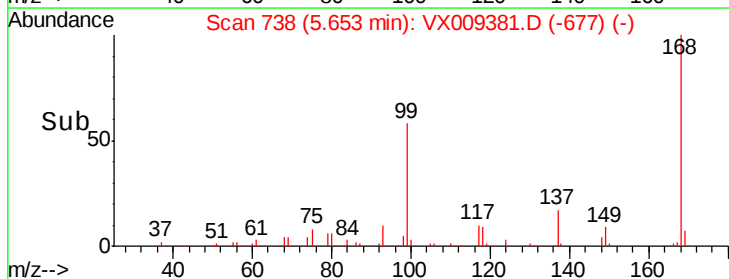
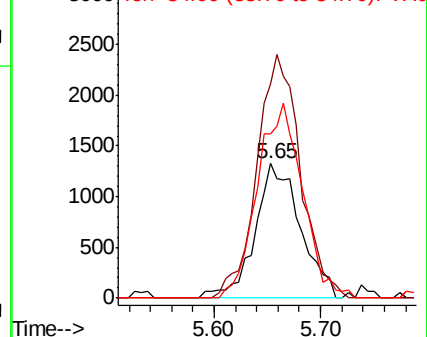
84 121.9 61.9 92.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

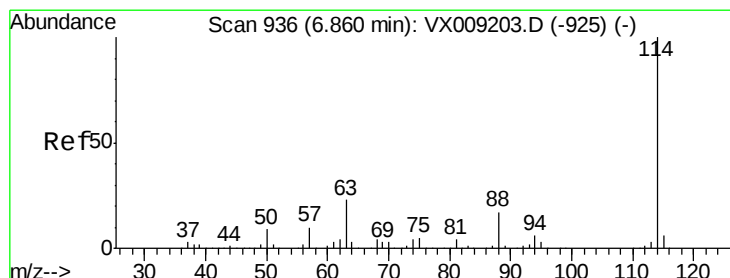
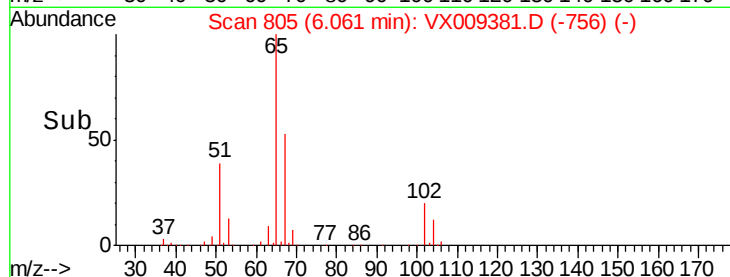
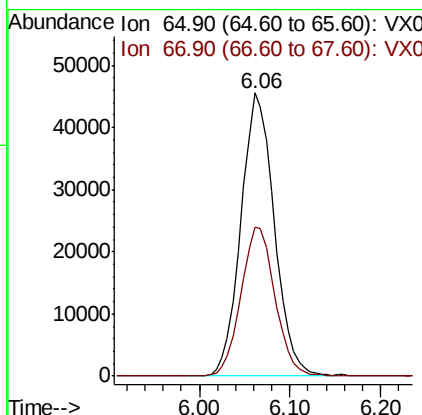
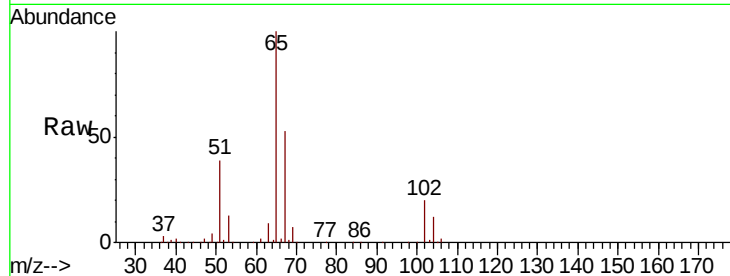




#33
 1,2-Dichloroethane-d4
 Concen: 47.530 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009381.D
 Acq: 07 May 2019 16:54

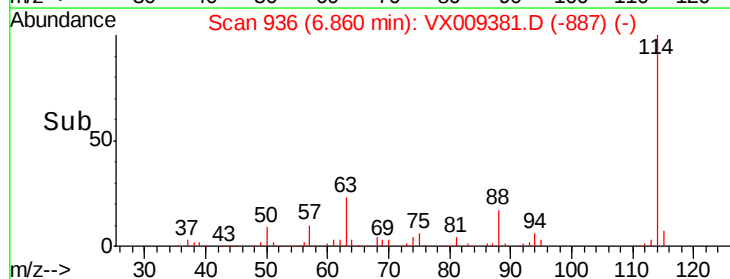
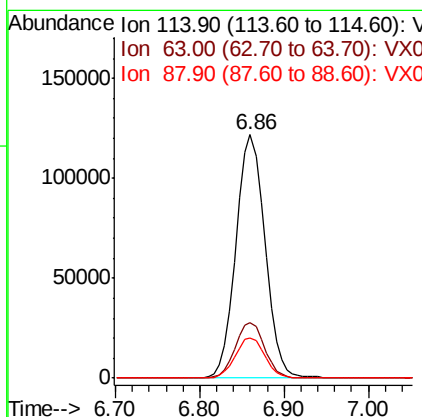
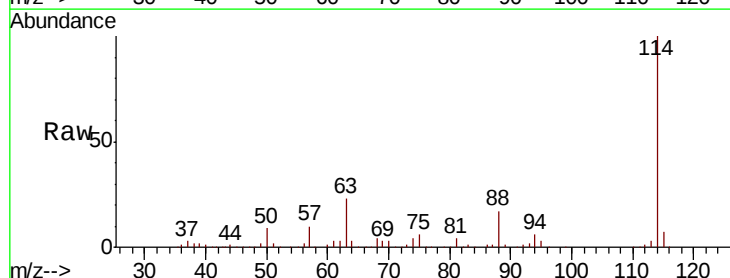
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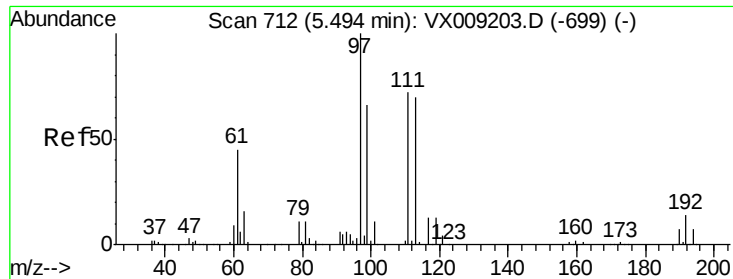
Tot Ion: 65 Resp: 116164
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009381.D
 Acq: 07 May 2019 16:54

Tgt Ion: 114 Resp: 284496
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.5 0.0 33.2

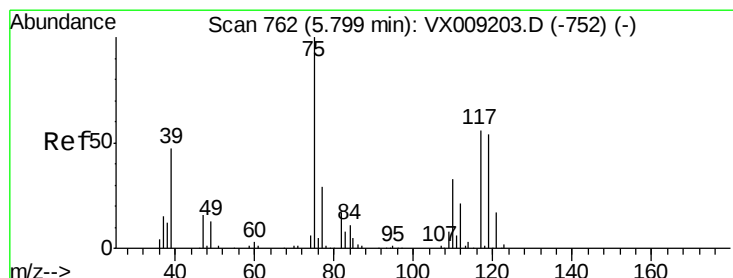
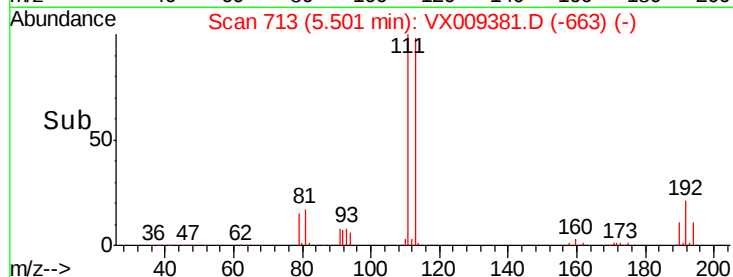
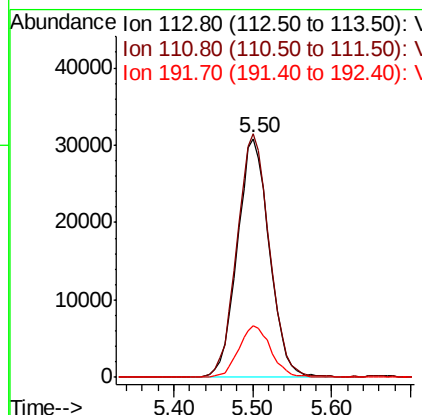
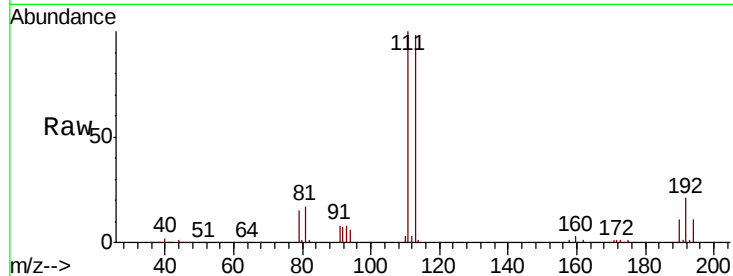




#35
 Dibromofluoromethane
 Concen: 48.775 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009381.D
 Acq: 07 May 2019 16:54

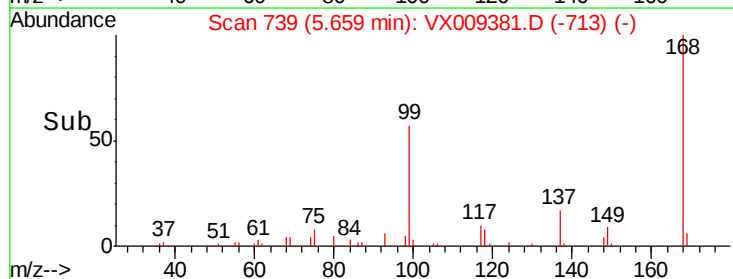
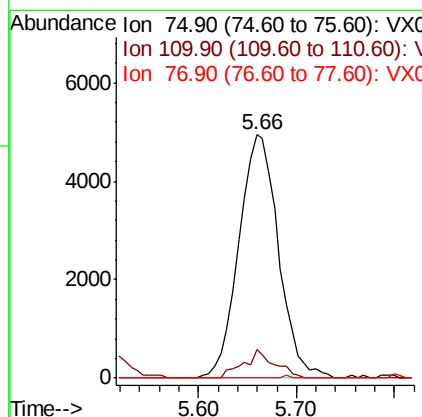
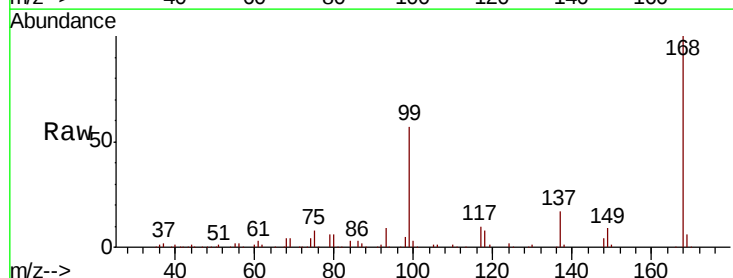
Instrument :
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 ClientSampled :
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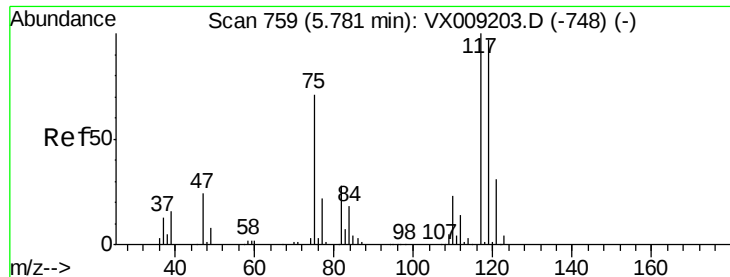
Tot Ion:113 Resp: 87232
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.8 124.2
 192 21.5 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.248 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009381.D
 Acq: 07 May 2019 16:54

Tgt Ion: 75 Resp: 13875
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.057 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009381.D

Acq: 07 May 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

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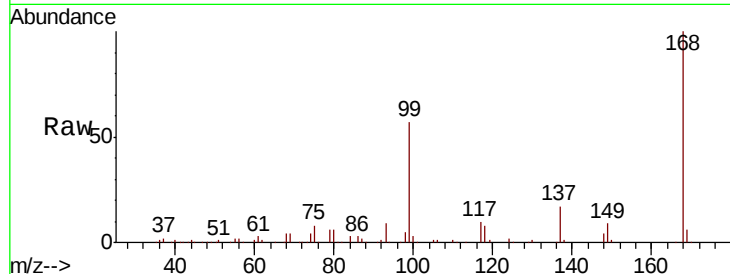
Tot Ion:117 Resp: 16952

Ion Ratio Lower Upper

117 100

119 5.5 77.5 116.3#

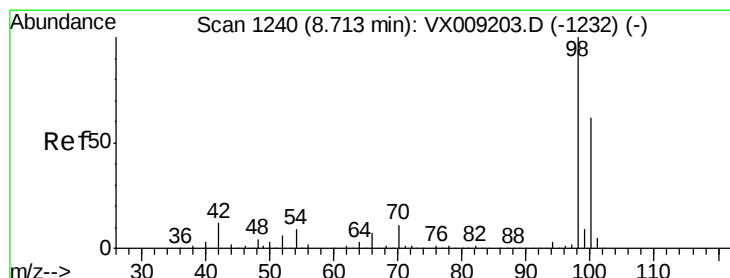
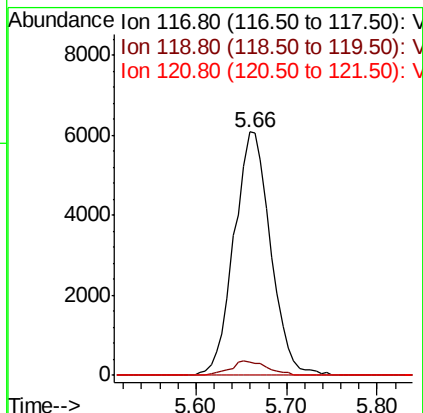
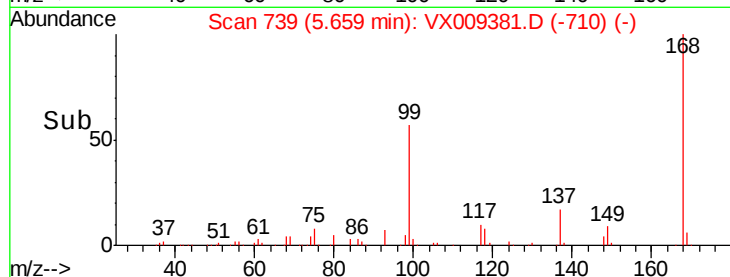
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 49.503 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009381.D

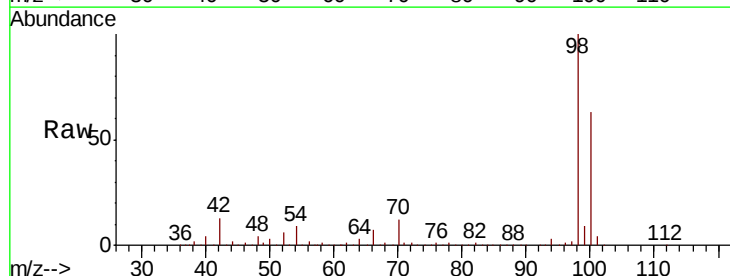
Acq: 07 May 2019 16:54

Tgt Ion: 98 Resp: 357435

Ion Ratio Lower Upper

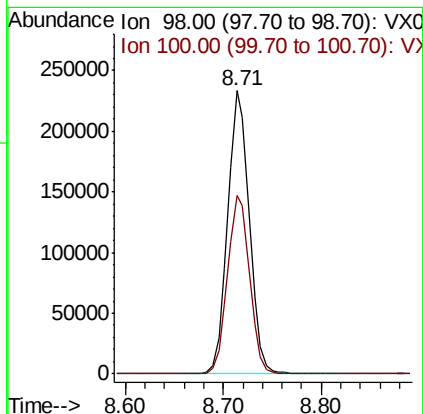
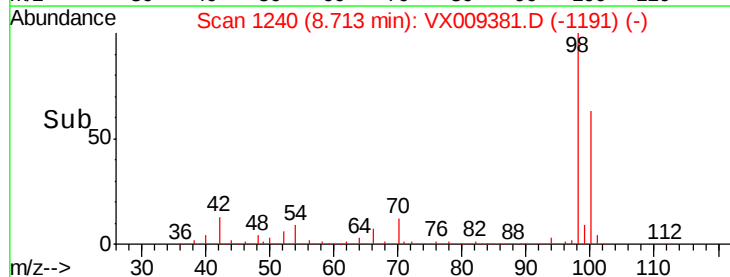
98 100

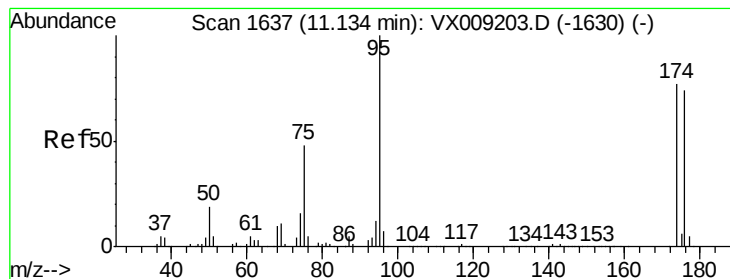
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.208 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009381.D

Acq: 07 May 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

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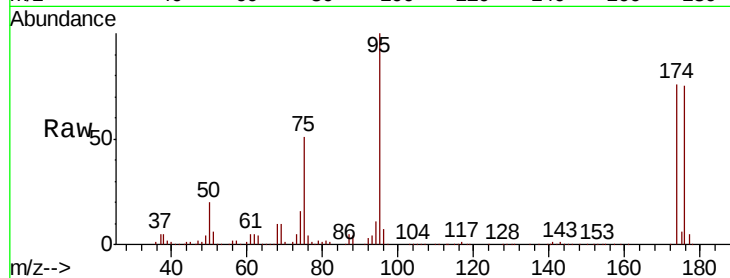
Tot Ion: 95 Resp: 121232

Ion Ratio Lower Upper

95 100

174 81.1 0.0 161.6

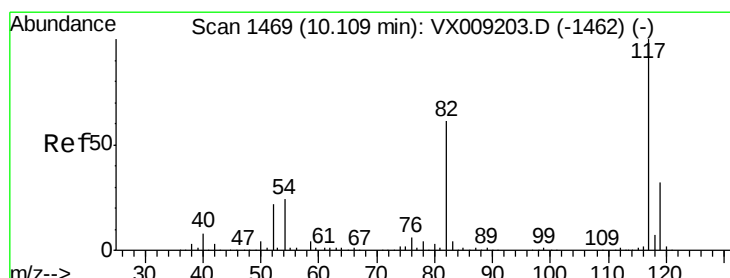
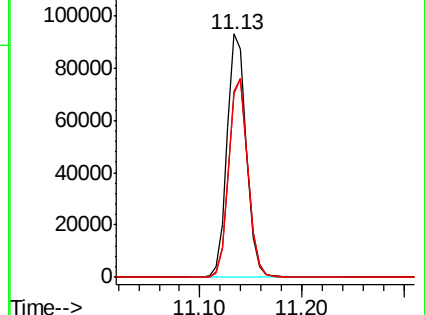
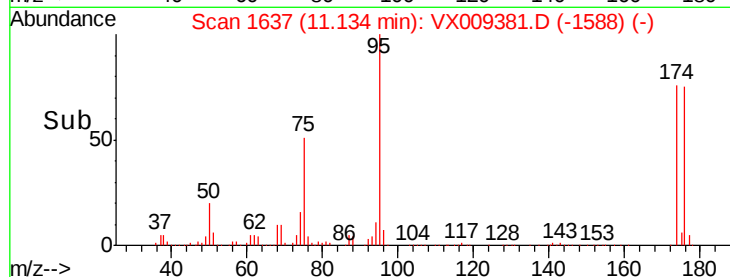
176 80.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009381.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009381.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009381.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009381.D

Acq: 07 May 2019 16:54

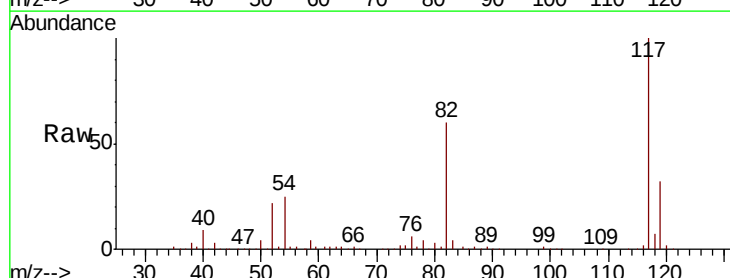
Tgt Ion: 117 Resp: 252383

Ion Ratio Lower Upper

117 100

82 60.4 48.8 73.2

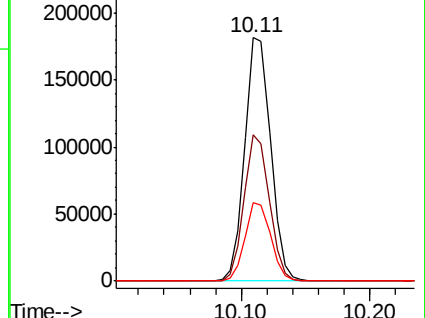
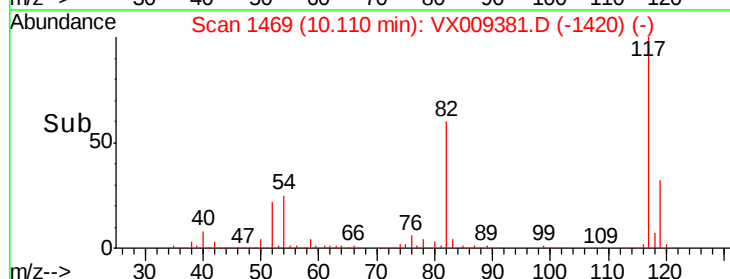
119 32.3 25.8 38.6

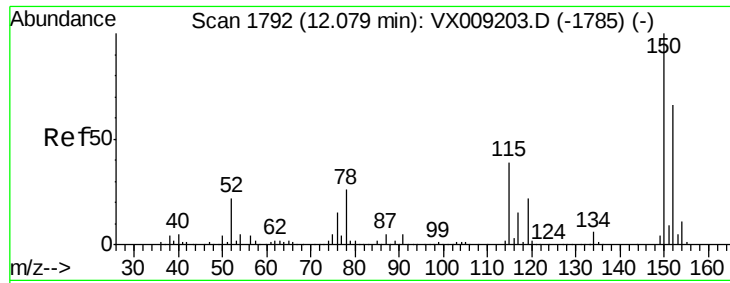


Abundance Ion 116.90 (116.60 to 117.60): VX009381.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009381.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009381.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009381.D

Acq: 07 May 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

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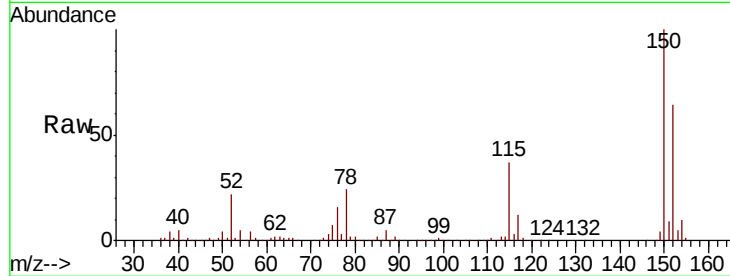
Tot Ion:152 Resp: 108586

Ion Ratio Lower Upper

152 100

115 59.0 41.2 123.6

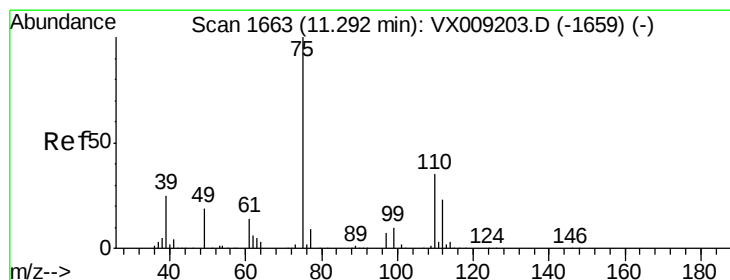
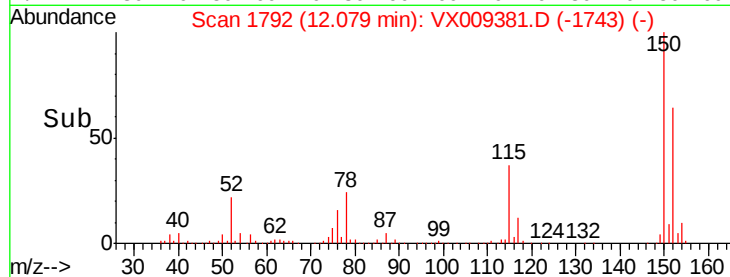
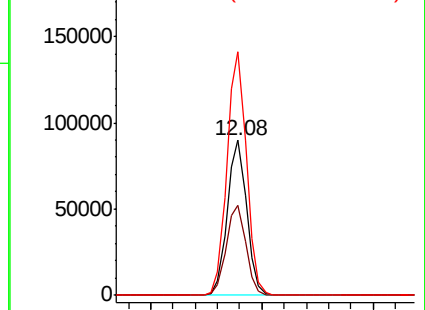
150 157.5 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.190 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009381.D

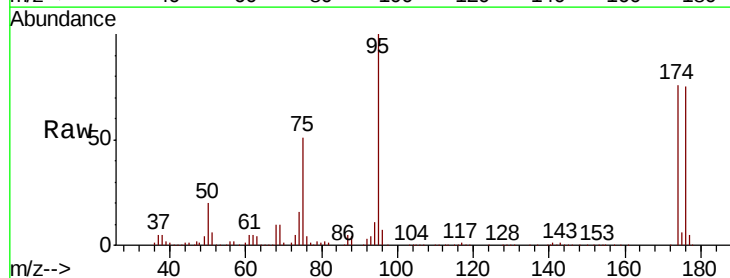
Acq: 07 May 2019 16:54

Tgt Ion: 75 Resp: 60930

Ion Ratio Lower Upper

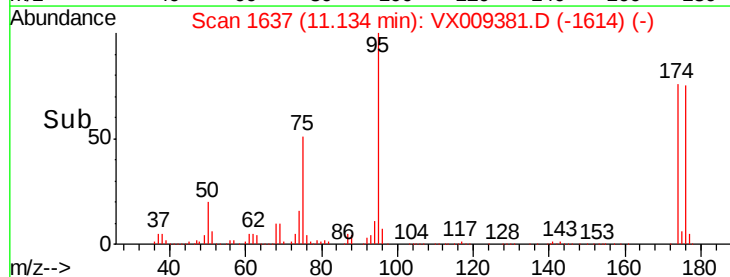
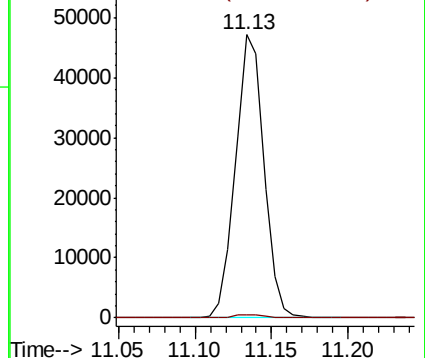
75 100

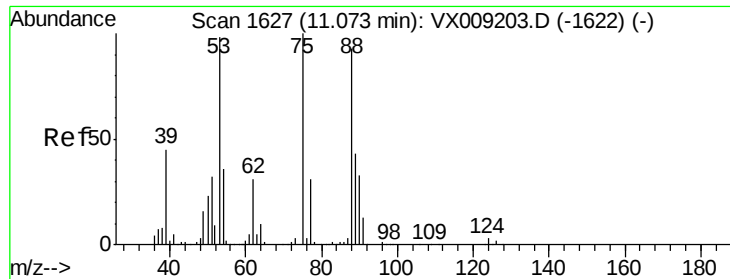
77 1.4 22.1 66.1#



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: 61.894 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009381.D

Acq: 07 May 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

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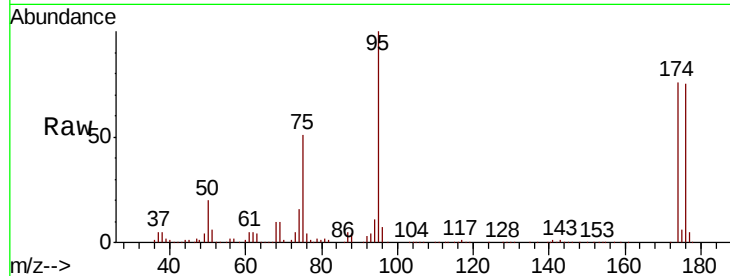
Tot Ion: 75 Resp: 60930

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

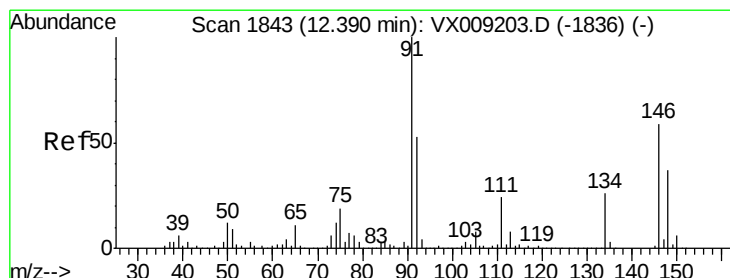
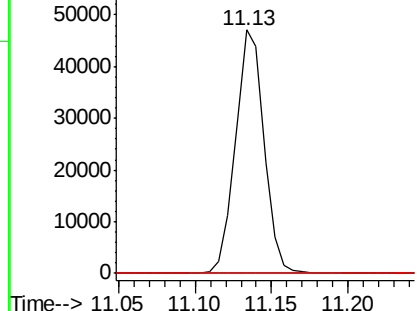
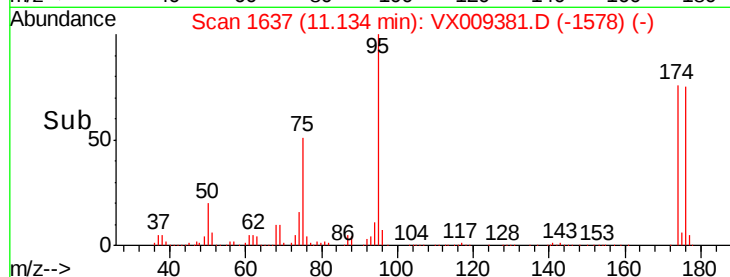
89 0.0 34.7 52.1#



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



#91

1,2-Dichlorobenzene

Concen: 0.444 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009381.D

Acq: 07 May 2019 16:54

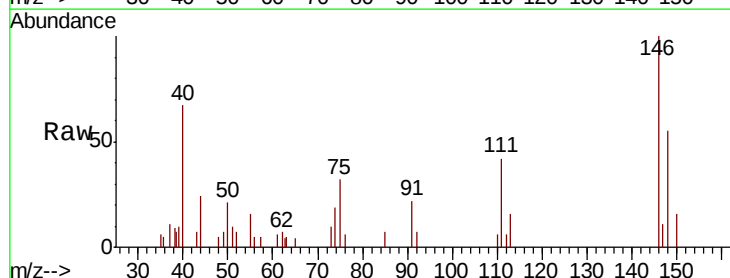
Tgt Ion: 146 Resp: 1579

Ion Ratio Lower Upper

146 100

111 51.0 20.8 62.4

148 56.7 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

