

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009743.D
 Acq On : 21 May 2019 13:26
 Operator : JC/SP
 Sample : VX0521WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBL01

Quant Time: May 22 07:03:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	167064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	269068	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	232569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	97000	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	118650	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
35) Dibromofluoromethane	5.49	113	86221	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
50) Toluene-d8	8.71	98	354580	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.13	95	115341	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	

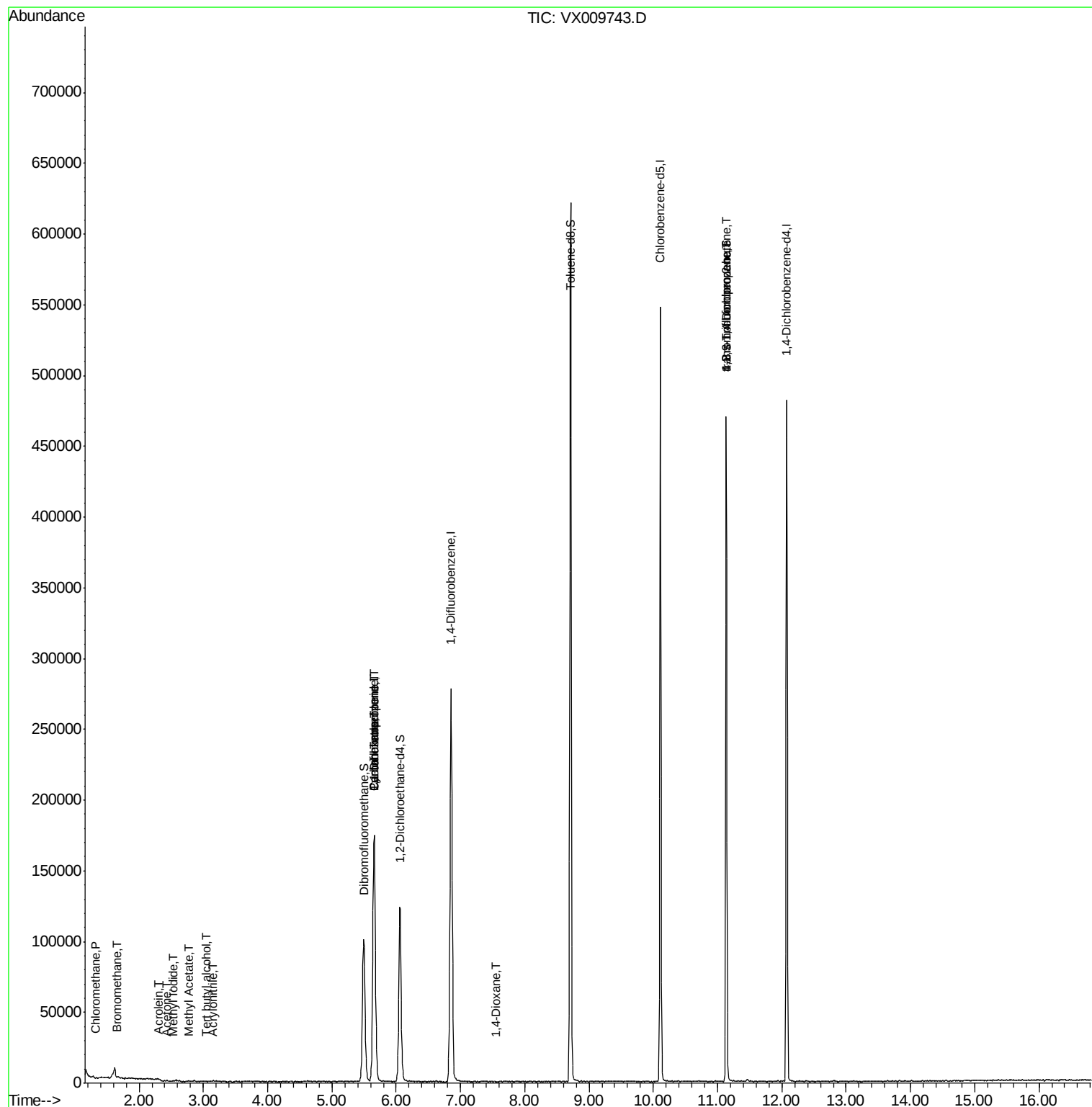
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	433	0.206	ug/l #	85
5) Bromomethane	1.65	94	361	0.293	ug/l	96
10) Methyl Iodide	2.53	142	164	4.676	ug/l #	82
11) Tert butyl alcohol	3.04	59	173	0.328	ug/l #	73
13) Acrolein	2.31	56	366	0.766	ug/l #	14
15) Acrylonitrile	3.15	53	409	0.317	ug/l #	85
16) Acetone	2.44	43	692	0.565	ug/l #	44
18) Methyl Acetate	2.78	43	646	0.222	ug/l #	81
28) Bromochloromethane	5.00	49	22	Below Cal	#	20
31) Cyclohexane	5.65	56	3996	1.185	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13363	5.344	ug/l #	50
38) Carbon Tetrachloride	5.65	117	16395	7.217	ug/l #	16
49) 1,4-Dioxane	7.56	88	19	0.339	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	59536	26.460	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59536	67.701	ug/l #	10

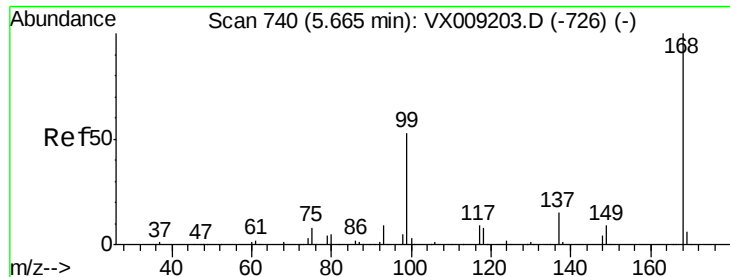
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 22 07:03:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009743.D

Acq: 21 May 2019 13:26

Instrument :

MSVOA_X

ClientSampleId :

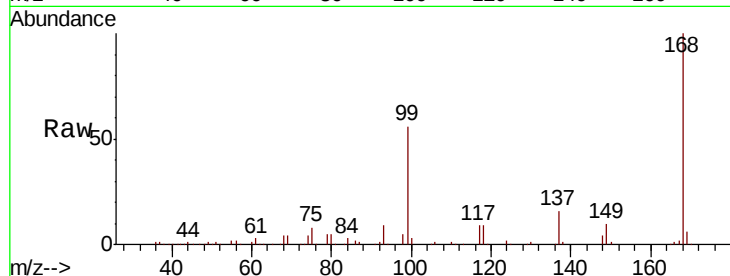
VX0521WBL01

Tot Ion:168 Resp: 167064

Ion Ratio Lower Upper

168 100

99 55.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

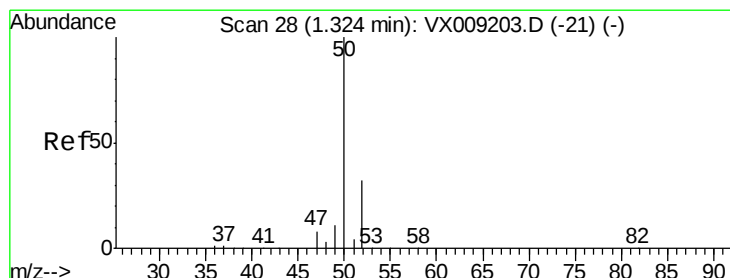
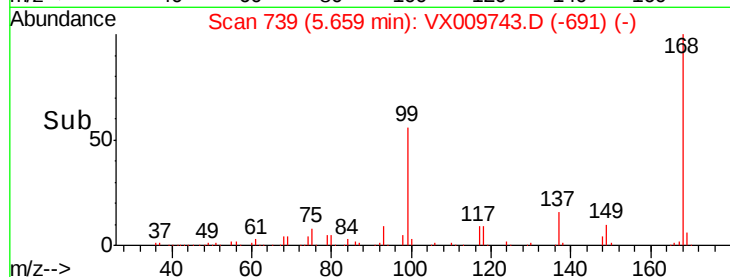
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.206 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009743.D

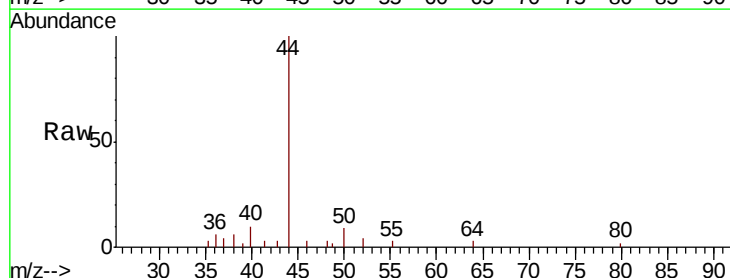
Acq: 21 May 2019 13:26

Tgt Ion: 50 Resp: 433

Ion Ratio Lower Upper

50 100

52 40.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

250

200

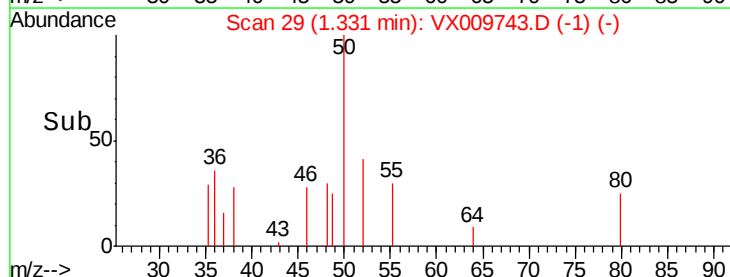
150

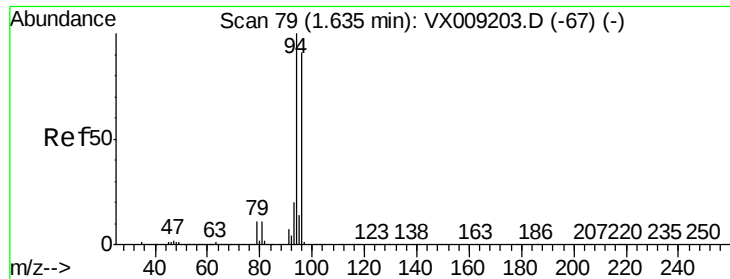
100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.293 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009743.D

Acq: 21 May 2019 13:26

Instrument :

MSVOA_X

ClientSampleId :

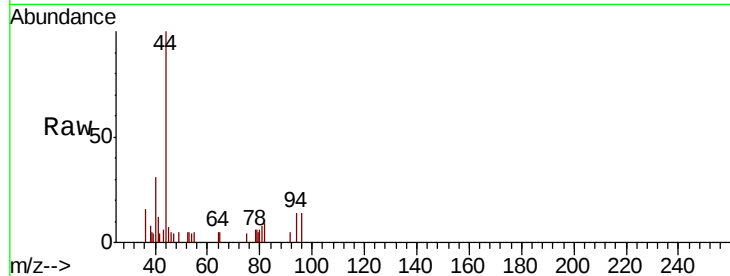
VX0521WBL01

Tot Ion: 94 Resp: 361

Ion Ratio Lower Upper

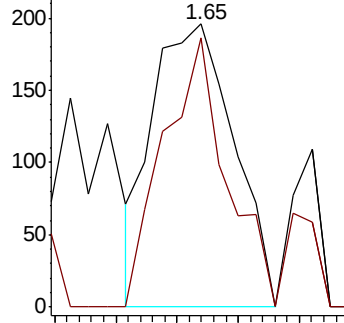
94 100

96 94.9 73.0 109.6

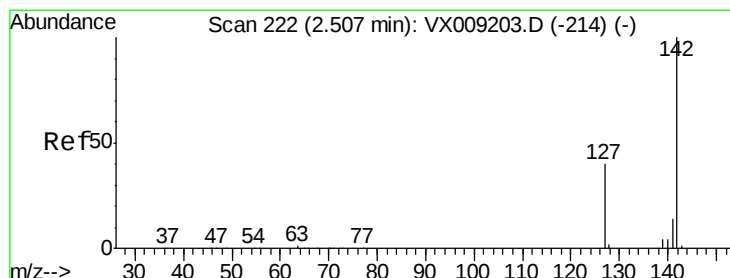
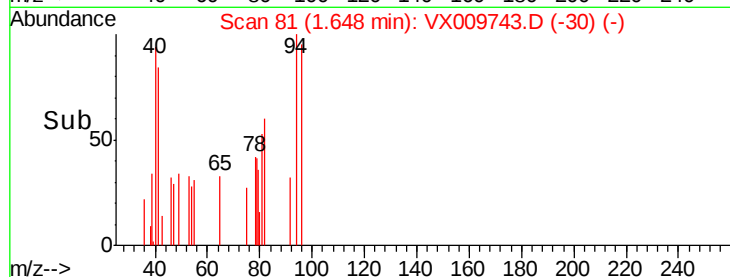


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 4.676 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX009743.D

Acq: 21 May 2019 13:26

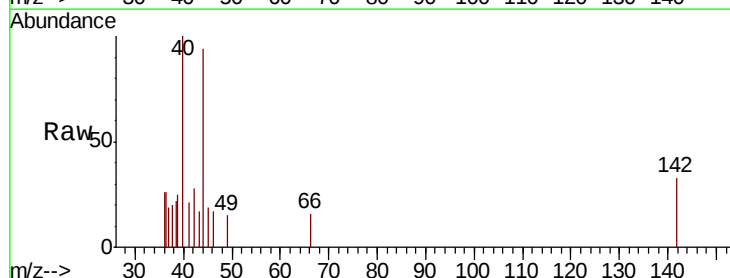
Tgt Ion: 142 Resp: 164

Ion Ratio Lower Upper

142 100

127 48.2 32.7 49.1

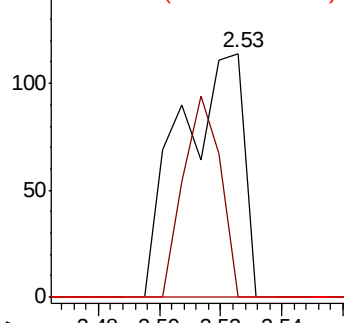
141 0.0 11.5 17.3#



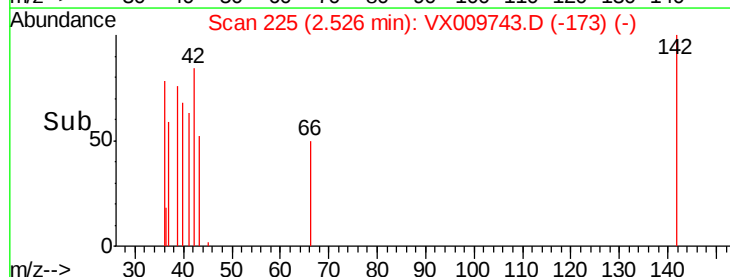
Abundance Ion 141.80 (141.50 to 142.50): V

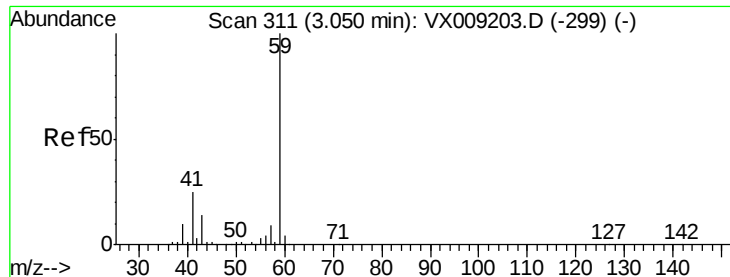
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->





#11

Tert butyl alcohol

Concen: 0.328 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX009743.D

Acq: 21 May 2019 13:26

Instrument :

MSVOA_X

ClientSampleId :

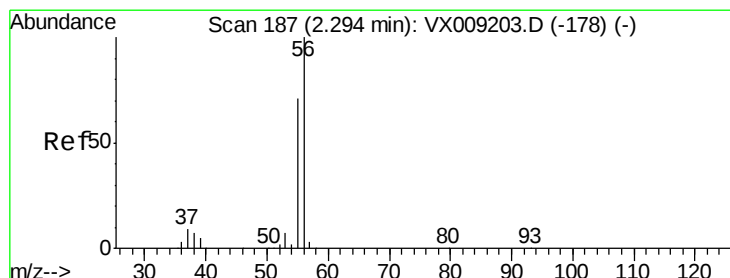
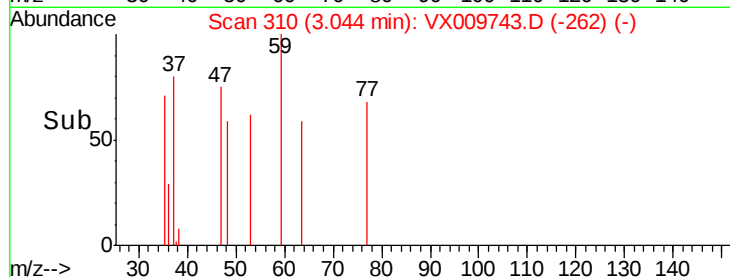
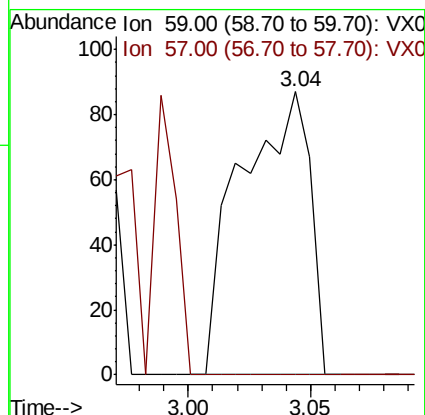
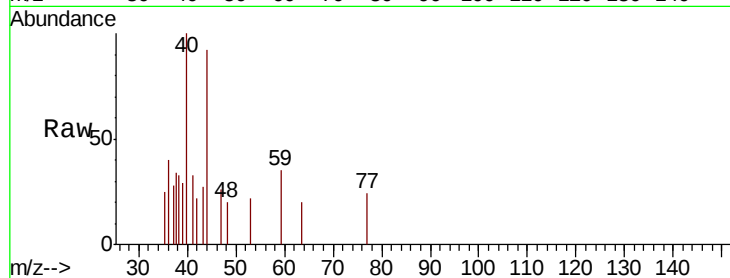
VX0521WBL01

Tot Ion: 59 Resp: 173

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: 0.766 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX009743.D

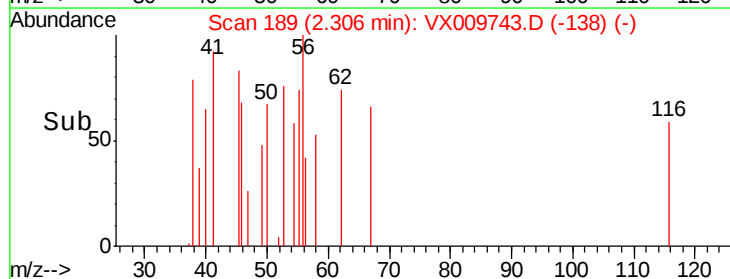
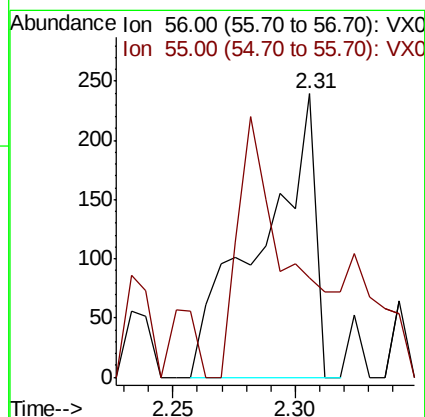
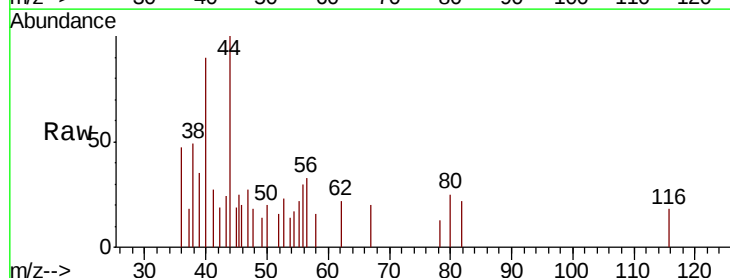
Acq: 21 May 2019 13:26

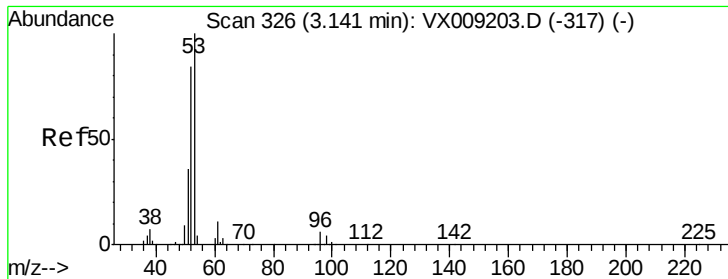
Tgt Ion: 56 Resp: 366

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#





#15

Acrylonitrile

Concen: 0.317 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009743.D

Acq: 21 May 2019 13:26

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBL01

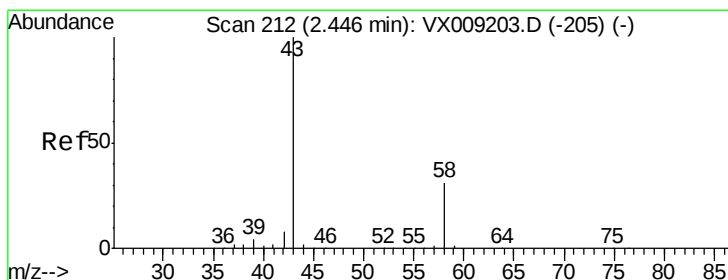
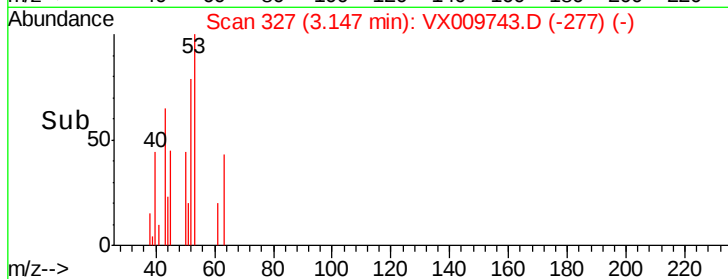
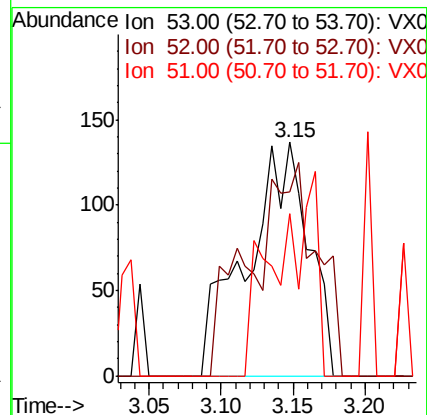
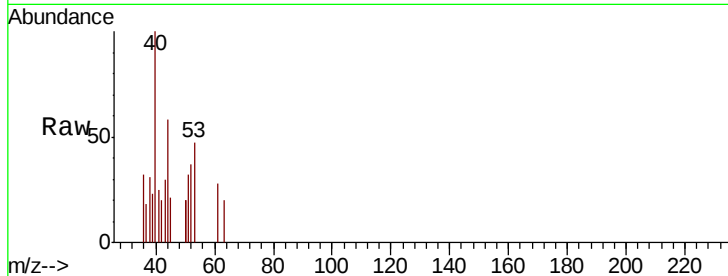
Tot Ion: 53 Resp: 409

Ion Ratio Lower Upper

53 100

52 65.5 66.9 100.3#

51 32.8 28.2 42.2



#16

Acetone

Concen: 0.565 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009743.D

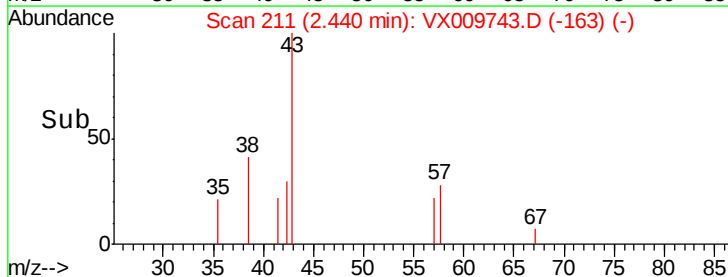
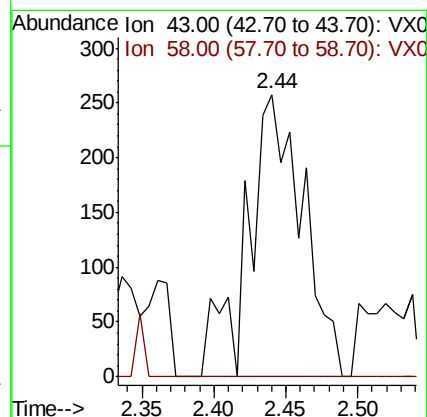
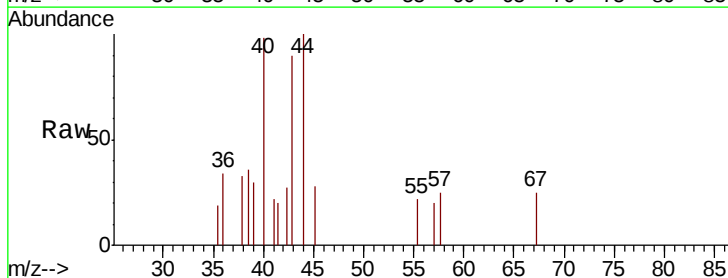
Acq: 21 May 2019 13:26

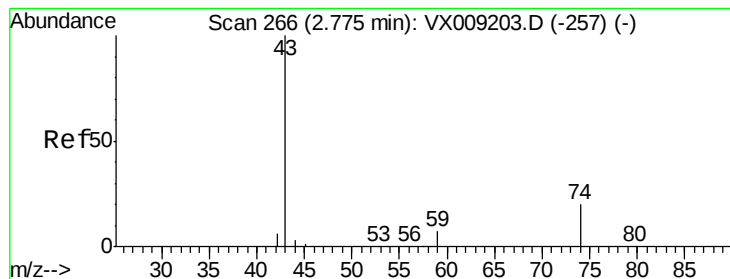
Tgt Ion: 43 Resp: 692

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#





#18

Methvl Acetate

Concen: 0.222 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009743.D

Acq: 21 May 2019 13:26

Instrument :

MSVOA_X

ClientSampleId :

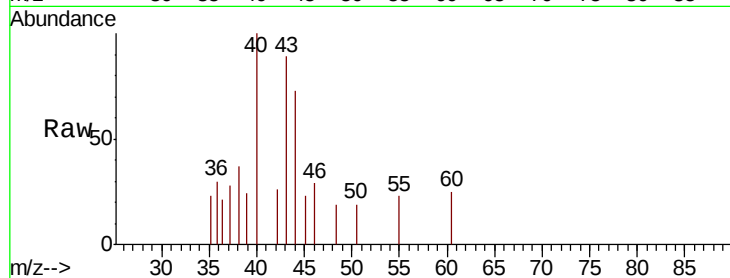
VX0521WBL01

Tot Ion: 43 Resp: 646

Ion Ratio Lower Upper

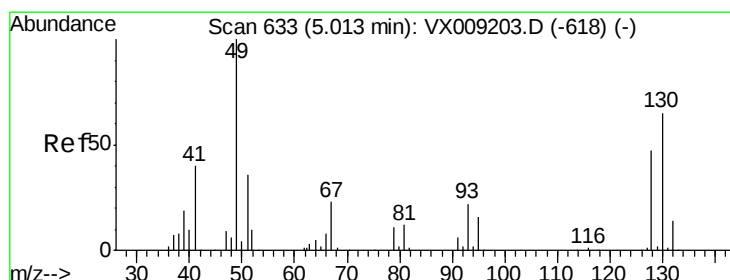
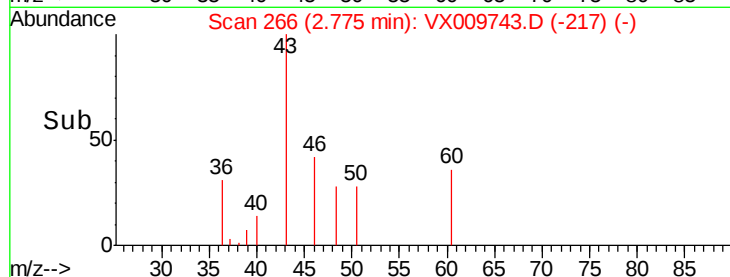
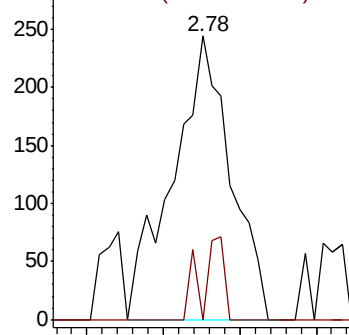
43 100

74 11.3 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: VX009743.D

Acq: 21 May 2019 13:26

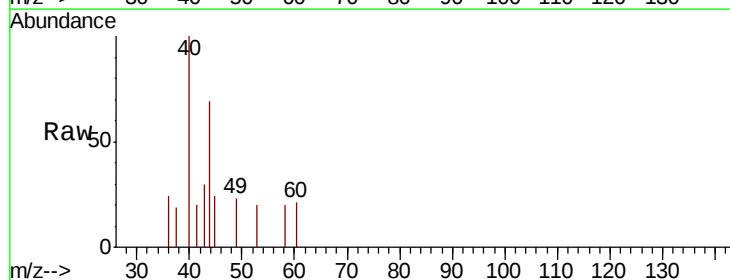
Tgt Ion: 49 Resp: 22

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

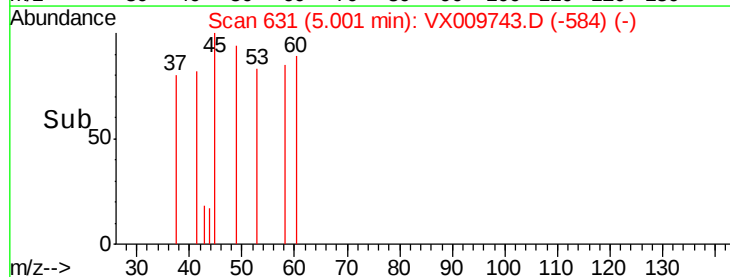
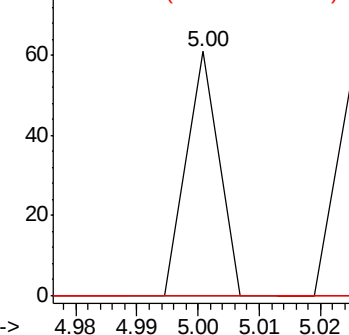
130 0.0 51.2 76.8#

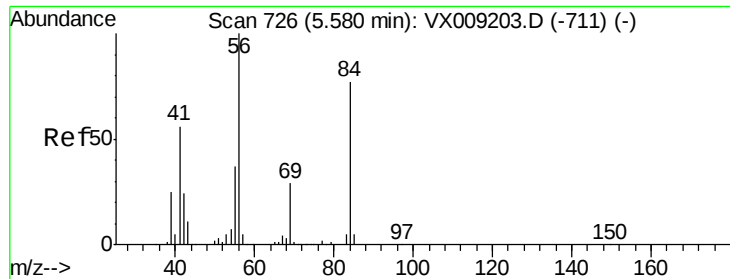


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

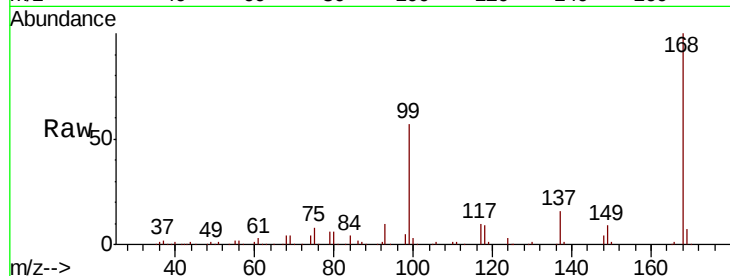




#31
Cyclohexane
Concen: 1.185 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX009743.D
Acq: 21 May 2019 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

Tot Ion	56	Resp	3996
Ion Ratio	Lower	Upper	
56	100		
69	166.7	23.4	35.0#
84	146.4	61.9	92.9#

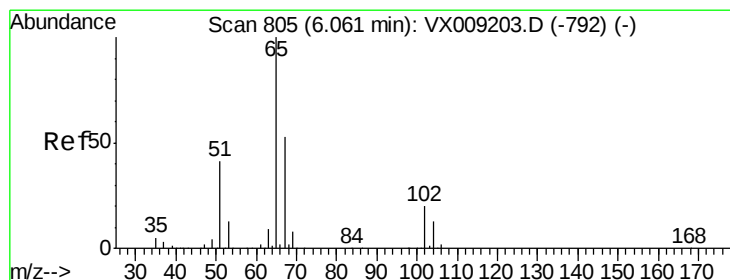
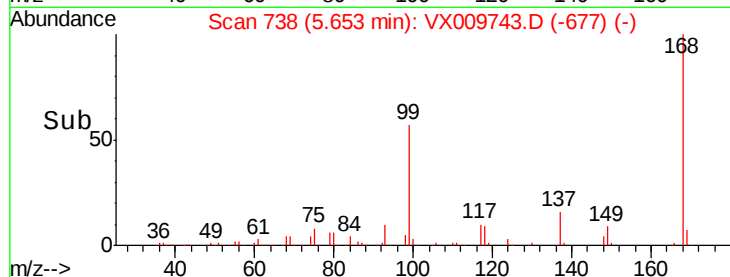
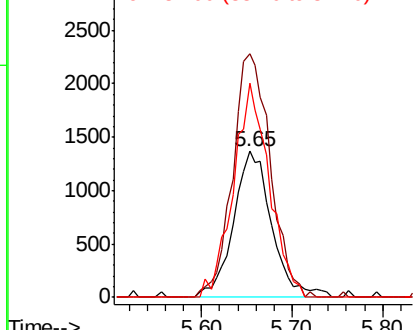


Abundance

Ion 56.00 (55.70 to 56.70): VX0

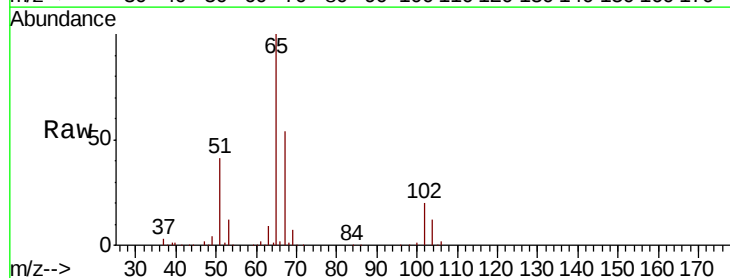
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33
1,2-Dichloroethane-d4
Concen: 52.025 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX009743.D
Acq: 21 May 2019 13:26

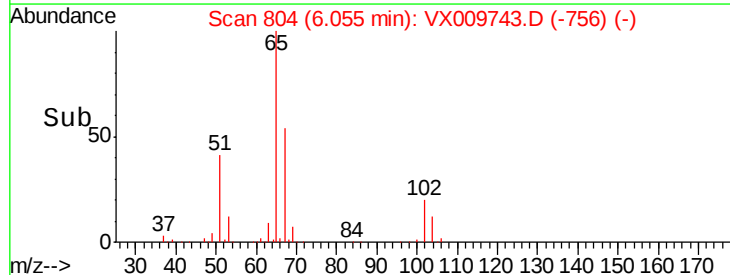
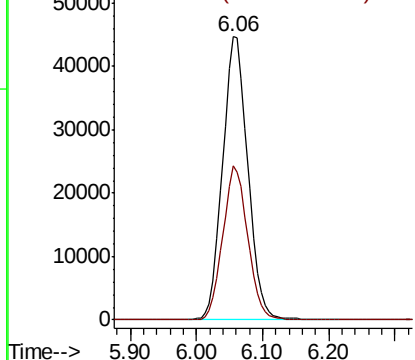
Tgt Ion	65	Resp	118650
Ion Ratio	Lower	Upper	
65	100		
67	53.6	0.0	106.6

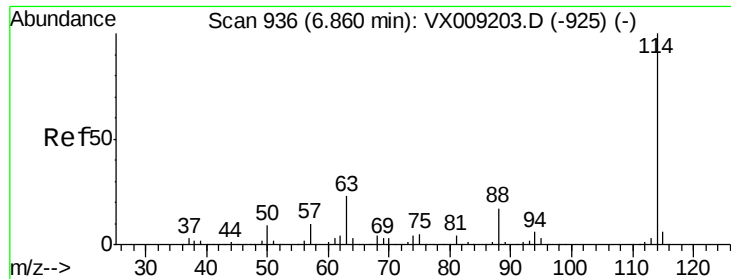


Abundance

Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

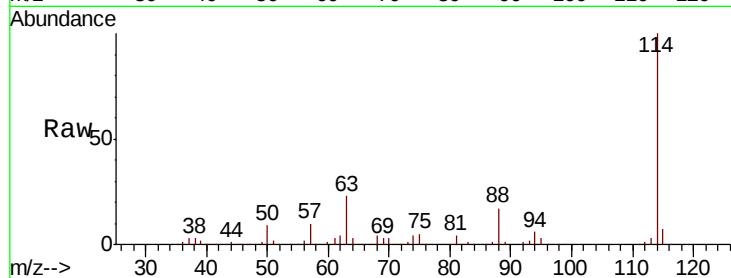




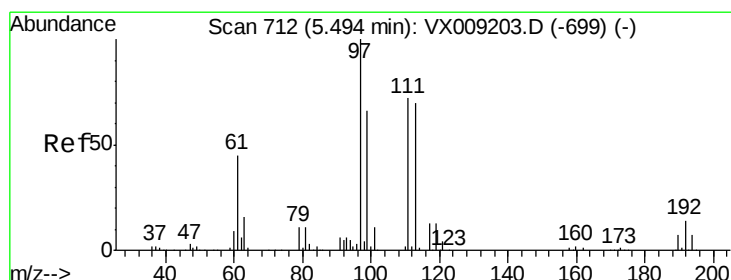
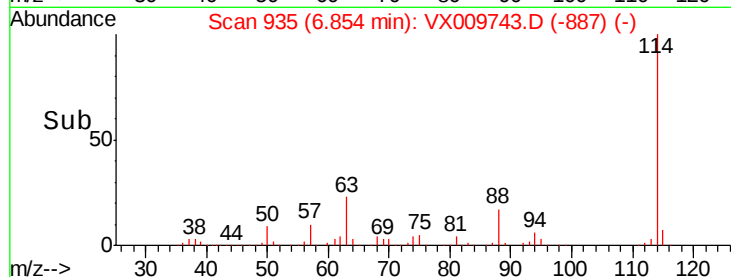
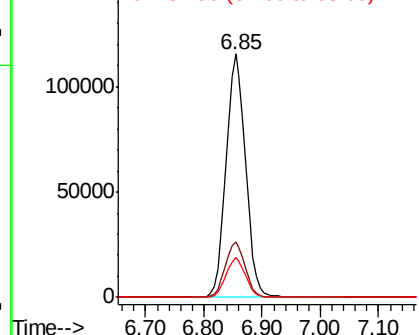
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX009743.D
Acq: 21 May 2019 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

Tot Ion:114 Resp: 269068
Ion Ratio Lower Upper
114 100
63 23.0 0.0 45.6
88 16.7 0.0 33.2

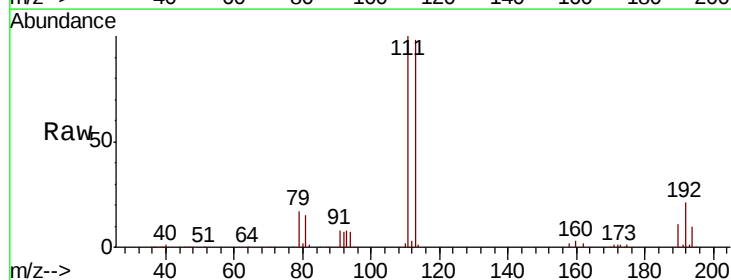


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

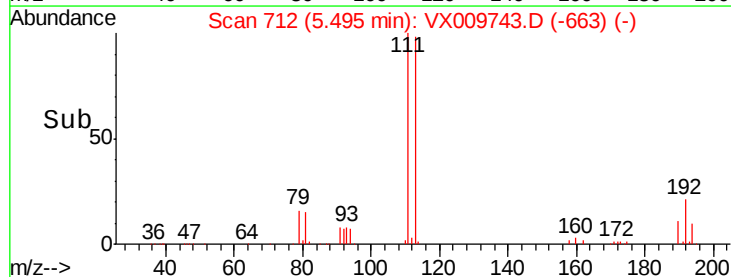
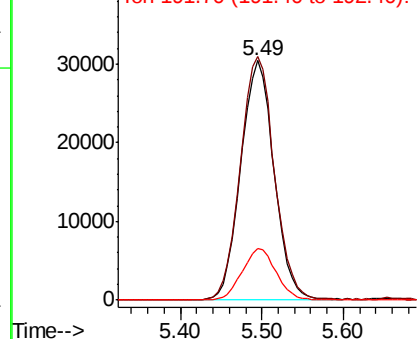


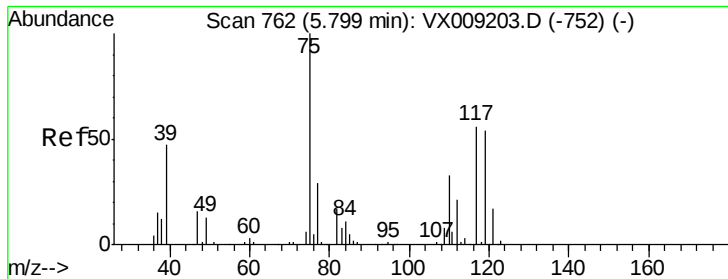
#35
Dibromofluoromethane
Concen: 50.974 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009743.D
Acq: 21 May 2019 13:26

Tgt Ion:113 Resp: 86221
Ion Ratio Lower Upper
113 100
111 103.9 82.8 124.2
192 21.9 17.0 25.6



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: 5.344 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009743.D

Acq: 21 May 2019 13:26

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBL01

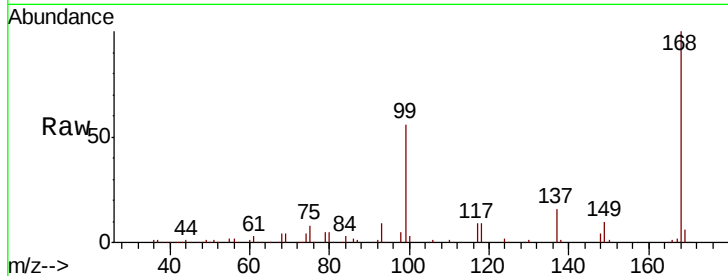
Tot Ion: 75 Resp: 13363

Ion Ratio Lower Upper

75 100

110 8.2 16.9 50.6#

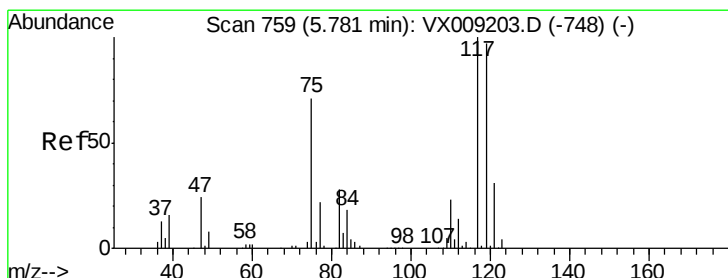
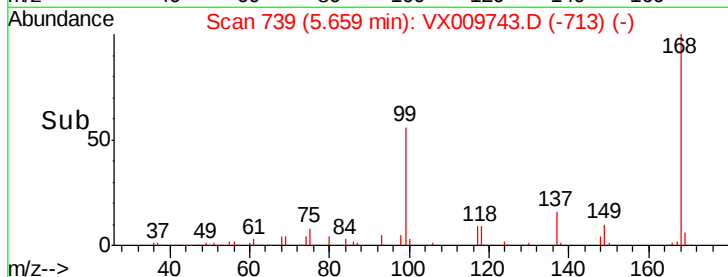
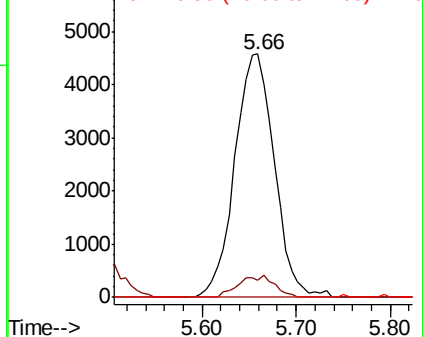
77 0.0 24.8 37.2#



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: 7.217 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX009743.D

Acq: 21 May 2019 13:26

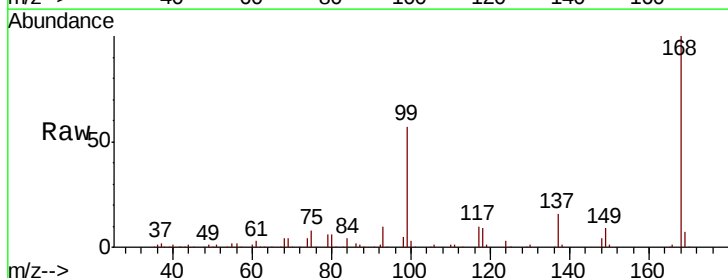
Tgt Ion: 117 Resp: 16395

Ion Ratio Lower Upper

117 100

119 6.1 77.5 116.3#

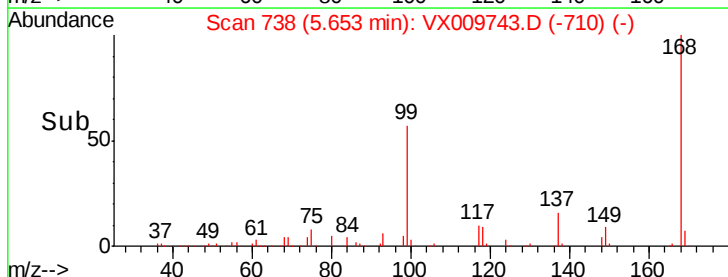
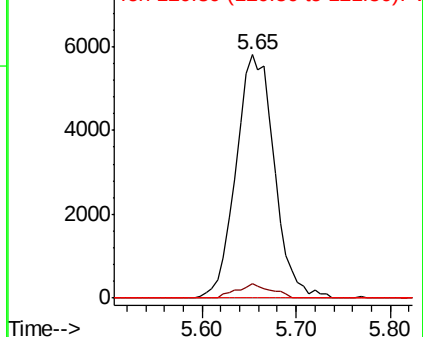
121 0.0 24.7 37.1#

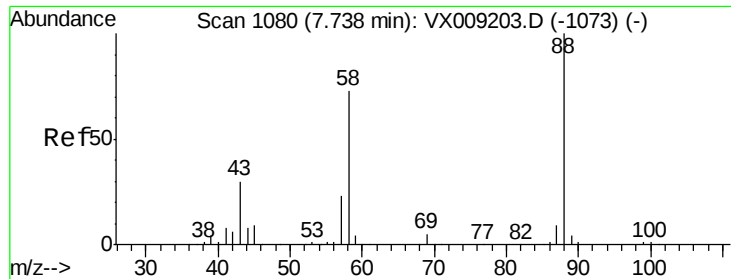


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

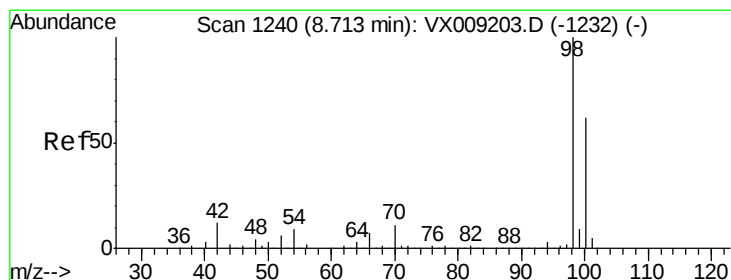
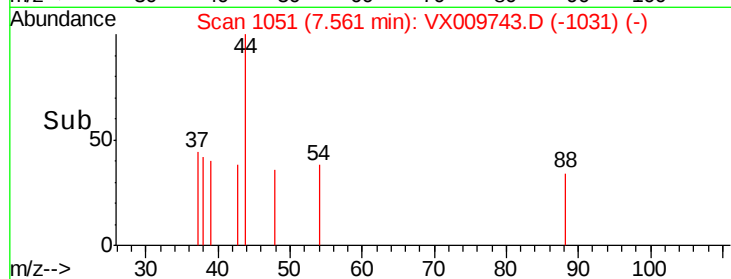
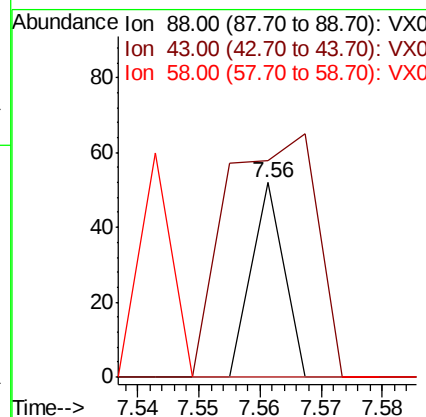
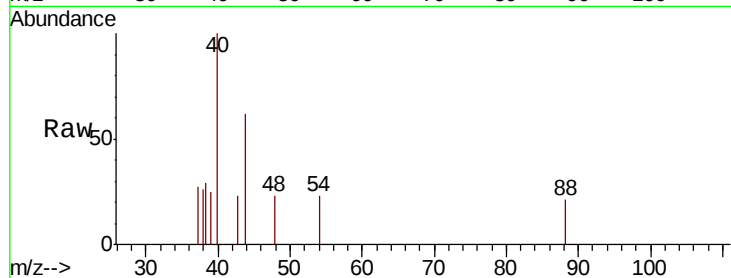




#49
 1,4-Dioxane
 Concen: 0.339 ug/l
 RT: 7.56 min Scan# 1051
 Delta R.T. -0.18 min
 Lab File: VX009743.D
 Acq: 21 May 2019 13:26

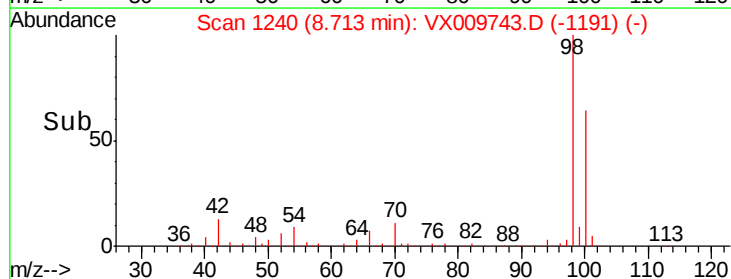
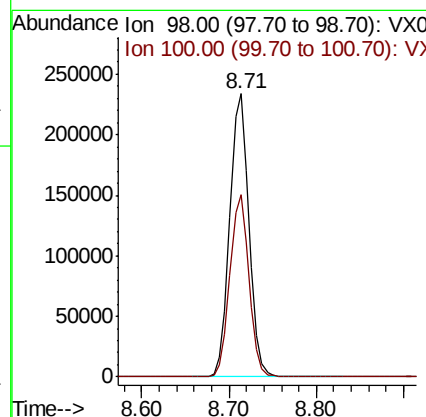
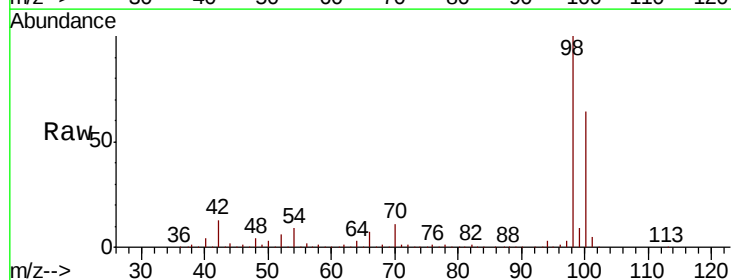
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBL01

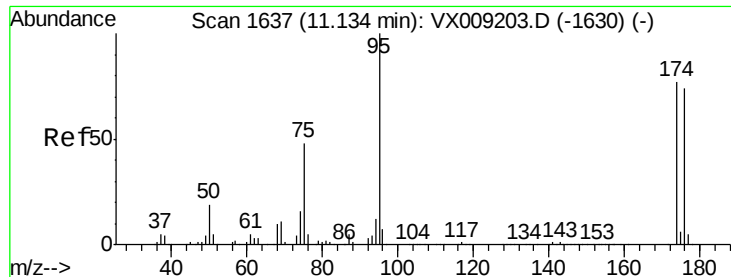
Tot Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 347.4 28.6 42.8#
 58 0.0 61.7 92.5#



#50
 Toluene-d8
 Concen: 51.924 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009743.D
 Acq: 21 May 2019 13:26

Tgt Ion: 98 Resp: 354580
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 46.483 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009743.D

Acq: 21 May 2019 13:26

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBL01

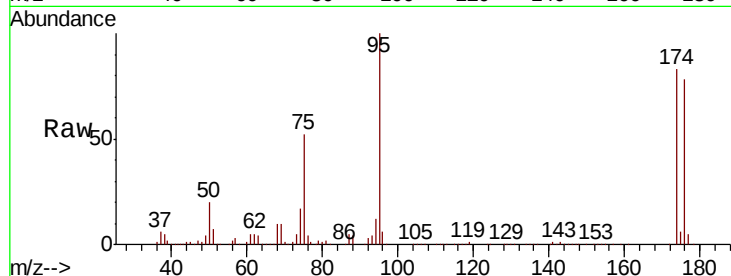
Tot Ion: 95 Resp: 115341

Ion Ratio Lower Upper

95 100

174 83.8 0.0 161.6

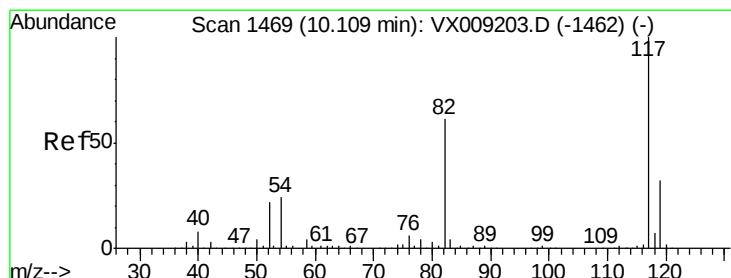
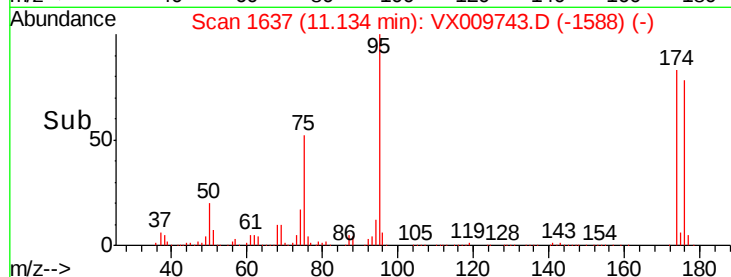
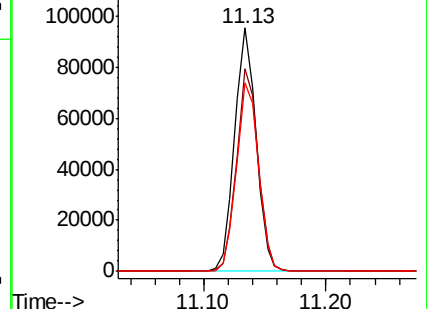
176 79.5 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009743.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009743.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009743.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009743.D

Acq: 21 May 2019 13:26

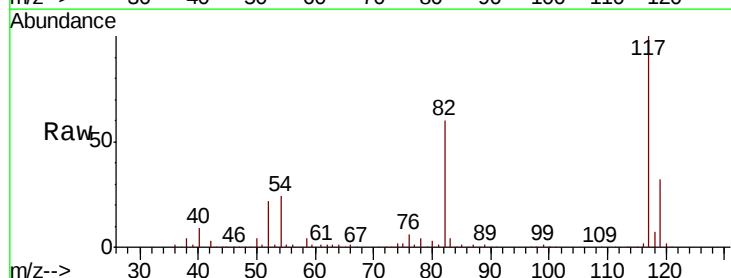
Tgt Ion: 117 Resp: 232569

Ion Ratio Lower Upper

117 100

82 59.9 48.8 73.2

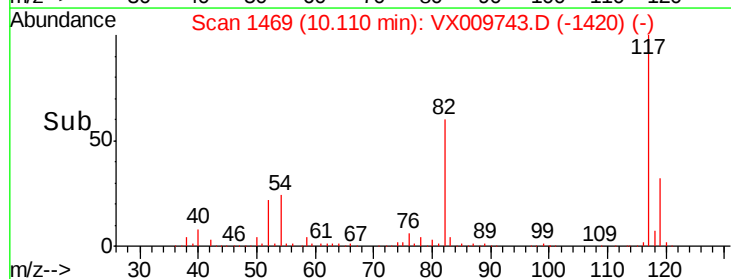
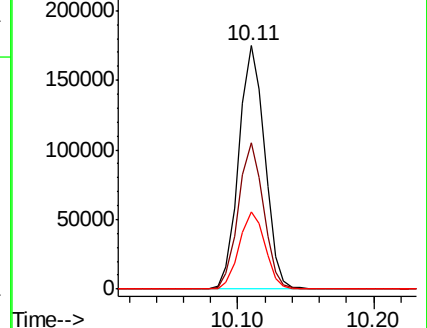
119 31.6 25.8 38.6

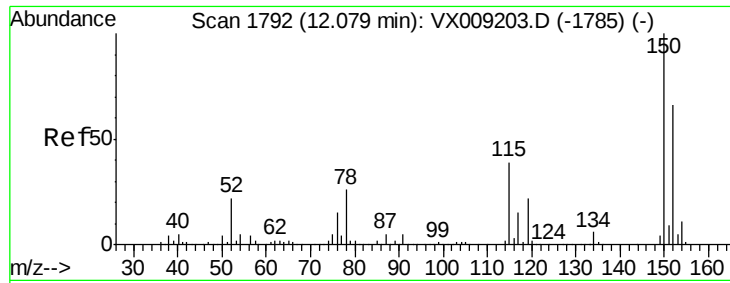


Abundance Ion 116.90 (116.60 to 117.60): VX009743.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009743.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009743.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: VX009743.D

Acq: 21 May 2019 13:26

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBL01

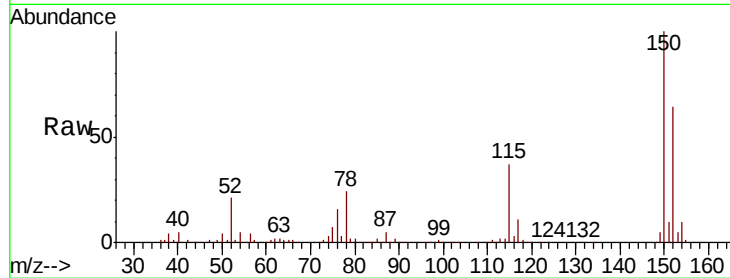
Tot Ion:152 Resp: 97000

Ion Ratio Lower Upper

152 100

115 59.0 41.2 123.6

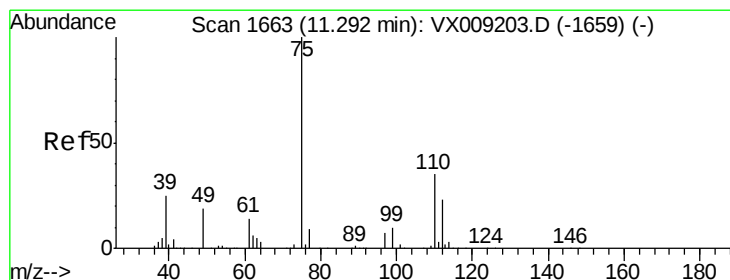
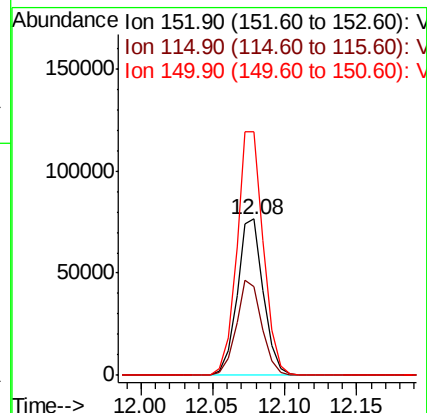
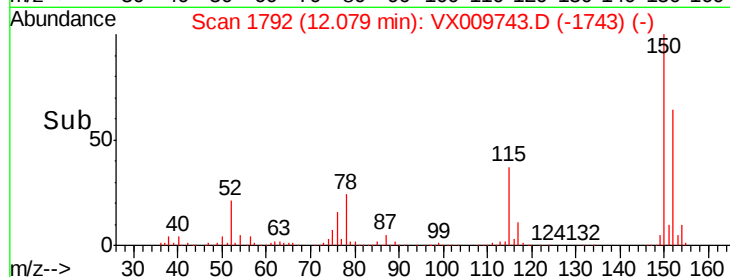
150 157.9 0.0 346.4



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: 26.460 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009743.D

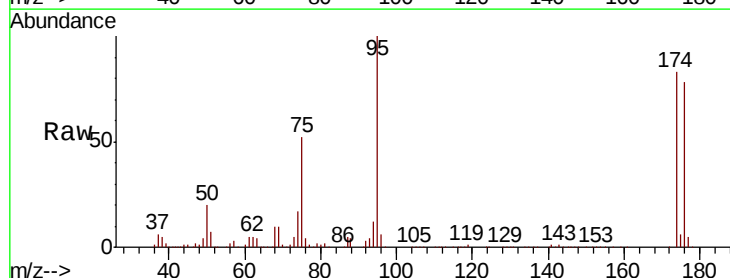
Acq: 21 May 2019 13:26

Tgt Ion: 75 Resp: 59536

Ion Ratio Lower Upper

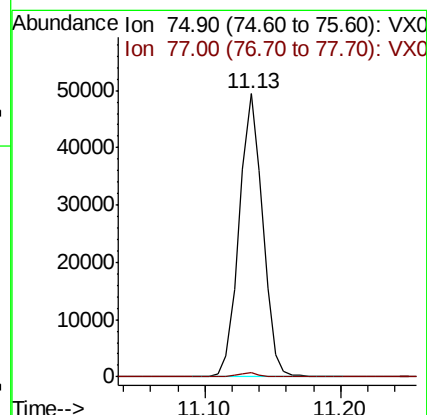
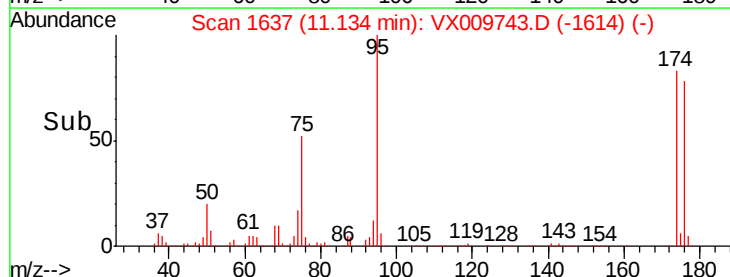
75 100

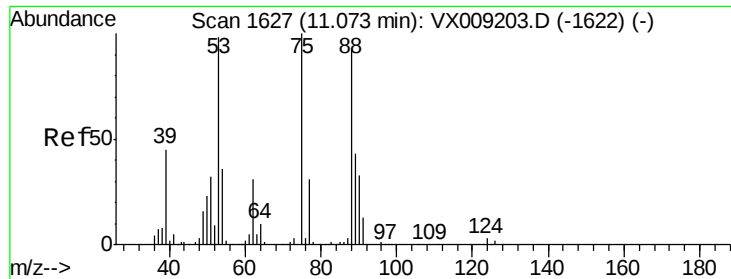
77 1.3 22.1 66.1#



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: 67.701 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009743.D

Acq: 21 May 2019 13:26

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBL01

Tot Ion: 75 Resp: 59536

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

