

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040219\
 Data File : VX008596.D
 Acq On : 02 Apr 2019 17:22
 Operator : JC/SP
 Sample : VX0402WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBL02

Quant Time: Apr 03 04:08:21 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	197210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	326160	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	276527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112327	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	135334	45.27	ug/l	0.00
Spiked Amount			Recovery	=	90.54%	
35) Dibromofluoromethane	5.49	113	99661	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
50) Toluene-d8	8.71	98	405153	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
62) 4-Bromofluorobenzene	11.13	95	134492	42.68	ug/l	0.00
Spiked Amount			Recovery	=	85.36%	

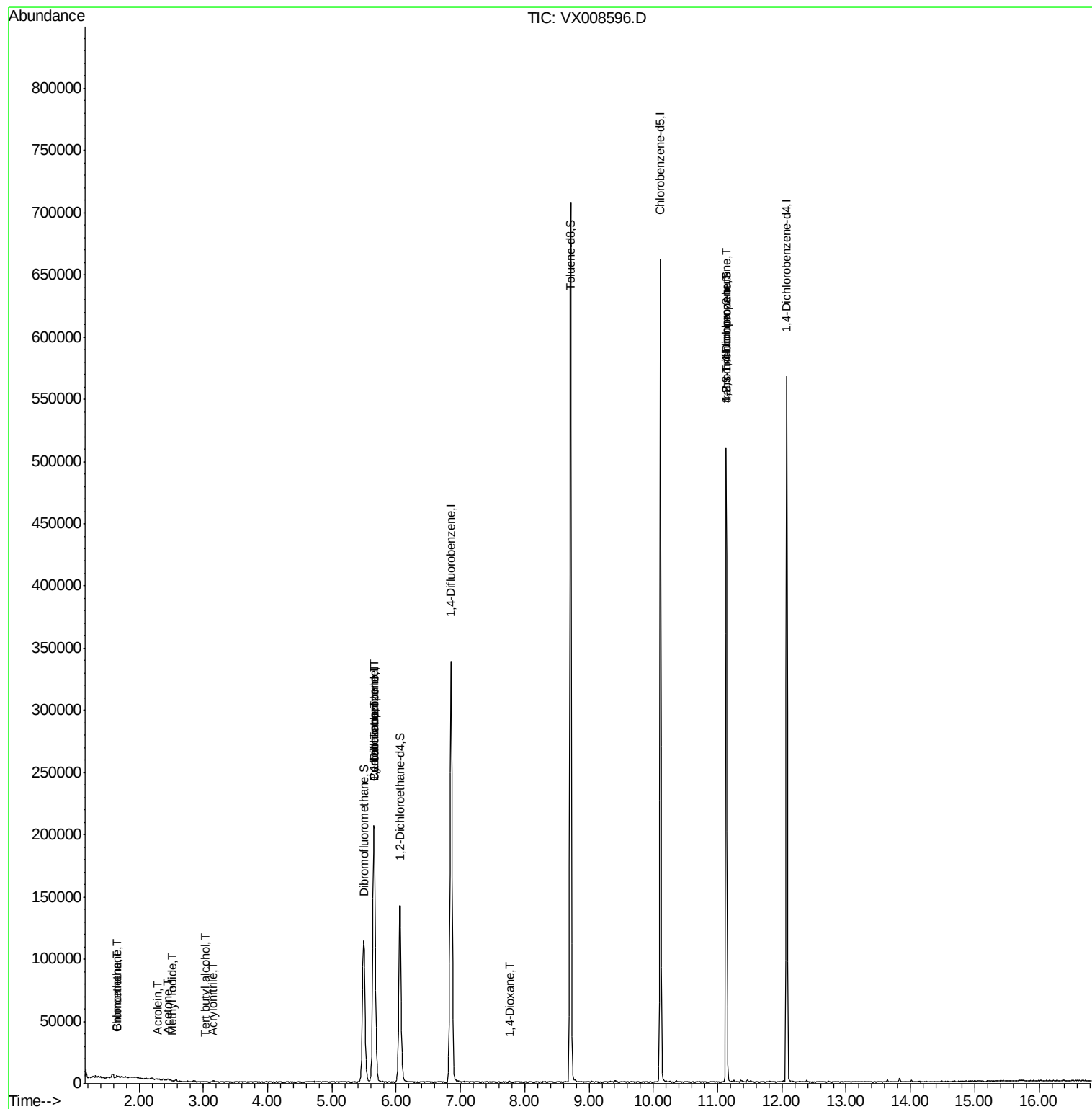
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	598	Below Cal		93
5) Bromomethane	1.66	94	612	2.154	ug/l	100
6) Chloroethane	1.67	64	1193	0.620	ug/l #	67
10) Methyl Iodide	2.51	142	463	4.326	ug/l #	88
11) Tert butyl alcohol	3.04	59	317	0.479	ug/l #	91
13) Acrolein	2.29	56	333	0.692	ug/l #	60
15) Acrylonitrile	3.15	53	595	0.343	ug/l #	73
16) Acetone	2.44	43	669	0.428	ug/l #	19
17) Carbon Disulfide	2.57	76	1872	Below Cal	#	94
20) Methylene Chloride	2.85	84	684	Below Cal	#	92
21) trans-1,2-Dichloroethene	3.17	96	298	Below Cal	#	68
31) Cyclohexane	5.66	56	4788	0.999	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15893	4.570	ug/l #	51
38) Carbon Tetrachloride	5.66	117	19558	6.739	ug/l #	16
49) 1,4-Dioxane	7.76	88	53	0.739	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	68415	20.487	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	68415	65.618	ug/l #	9

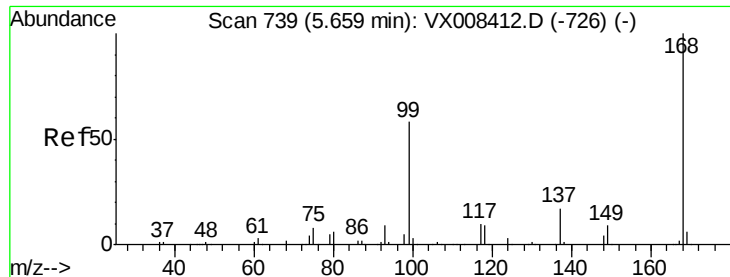
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008596.D

Acq: 02 Apr 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

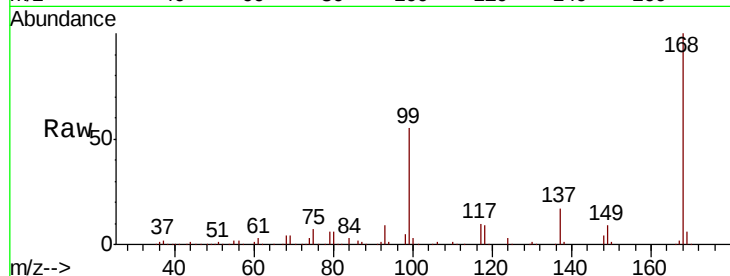
VX0402WBL02

Tot Ion:168 Resp: 197210

Ion Ratio Lower Upper

168 100

99 55.4 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

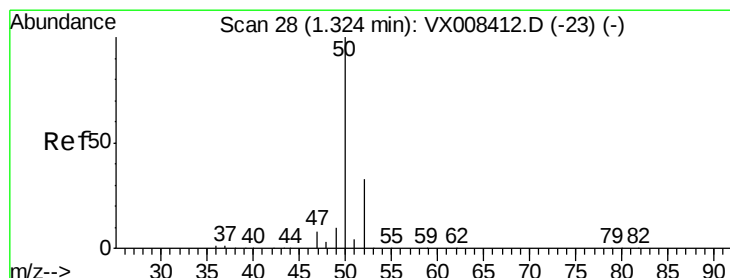
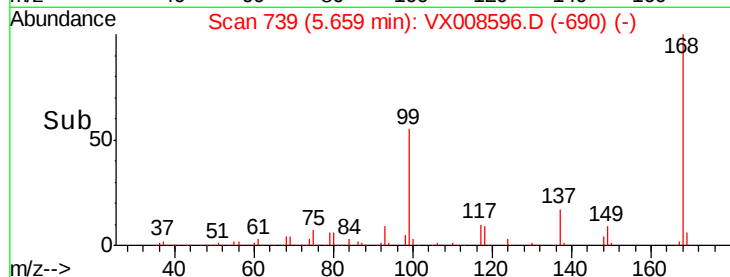
60000

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: VX008596.D

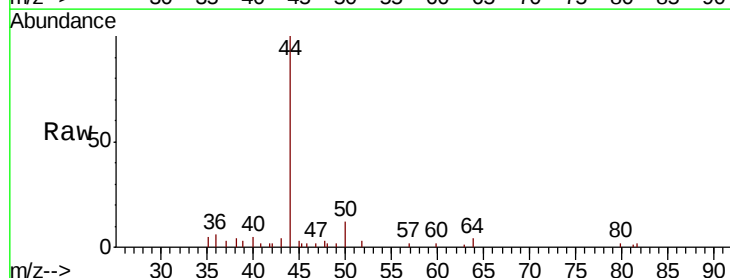
Acq: 02 Apr 2019 17:22

Tgt Ion: 50 Resp: 598

Ion Ratio Lower Upper

50 100

52 28.6 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

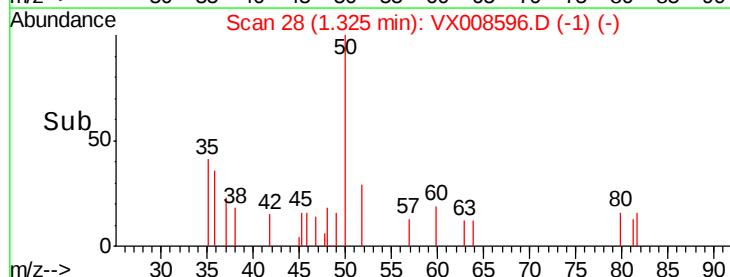
300

200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.154 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX008596.D

Acq: 02 Apr 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

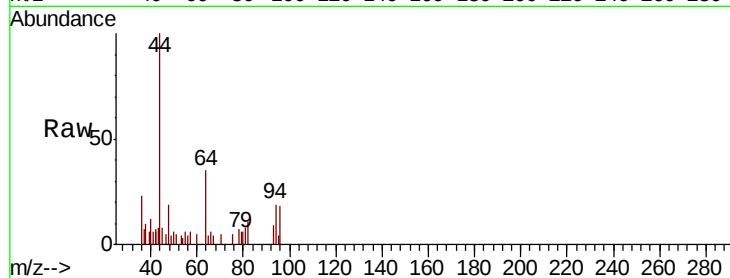
VX0402WBL02

Tot Ion: 94 Resp: 612

Ion Ratio Lower Upper

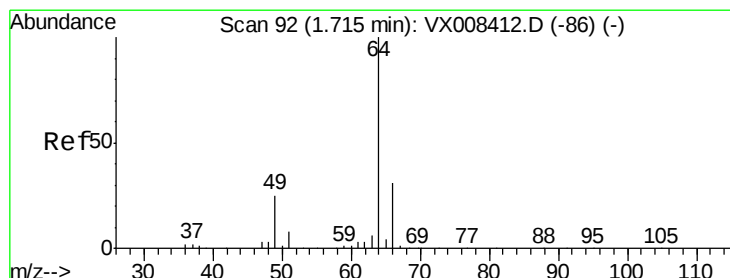
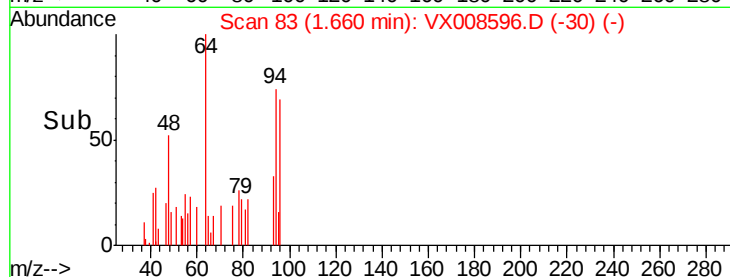
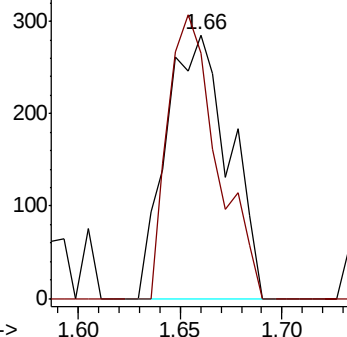
94 100

96 93.3 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: 0.620 ug/l

RT: 1.67 min Scan# 84

Delta R.T. -0.05 min

Lab File: VX008596.D

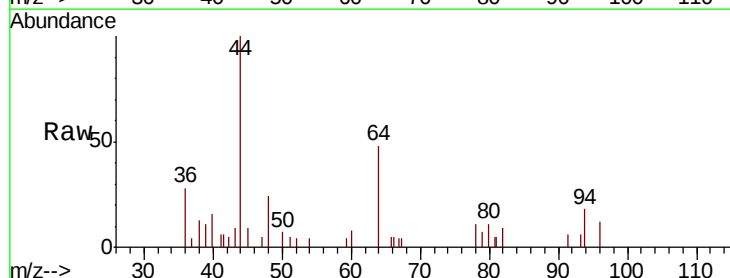
Acq: 02 Apr 2019 17:22

Tgt Ion: 64 Resp: 1193

Ion Ratio Lower Upper

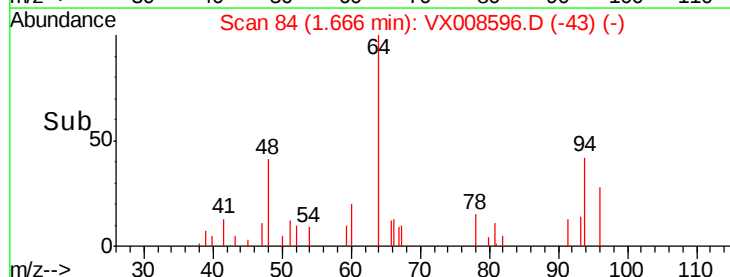
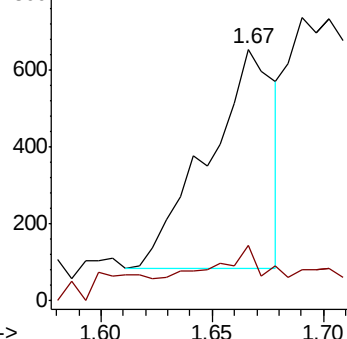
64 100

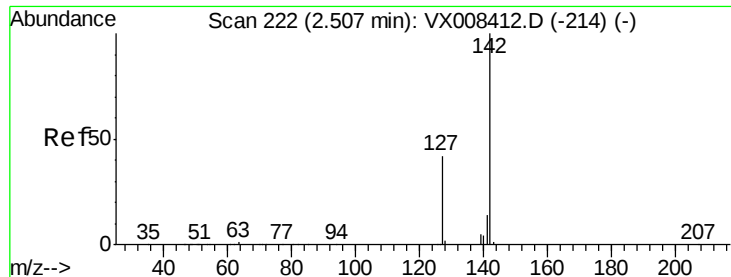
66 13.1 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

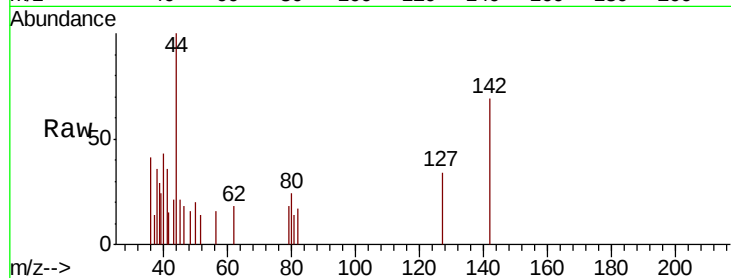




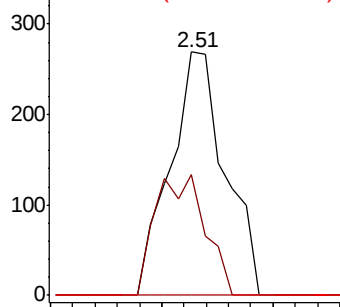
#10
Methvl Iodide
Concen: 4.326 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008596.D
Acq: 02 Apr 2019 17:22

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBL02

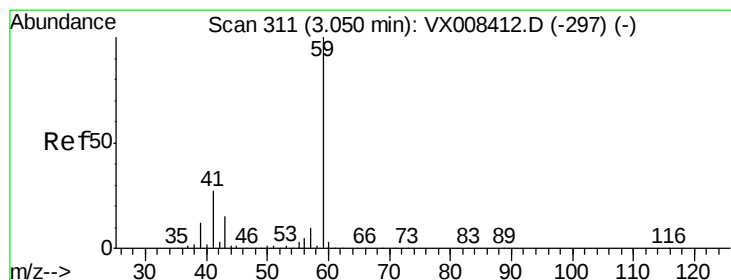
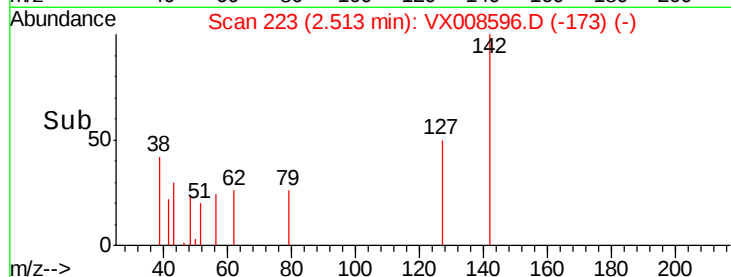
Tot Ion:142 Resp: 463
Ion Ratio Lower Upper
142 100
127 44.9 33.6 50.4
141 0.0 11.3 16.9#



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

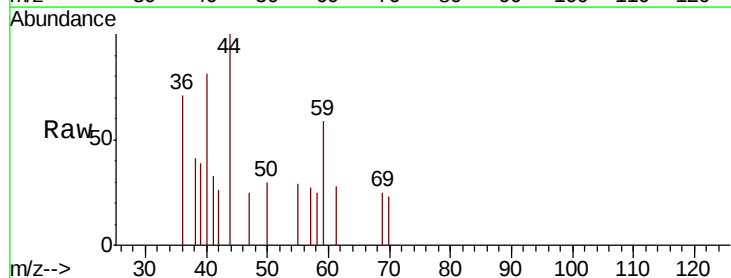


Time-->

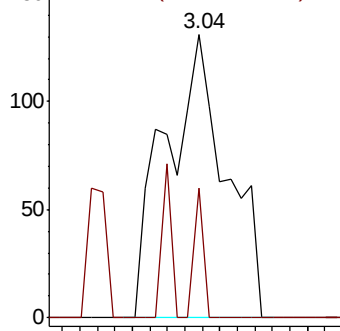


#11
Tert butyl alcohol
Concen: 0.479 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX008596.D
Acq: 02 Apr 2019 17:22

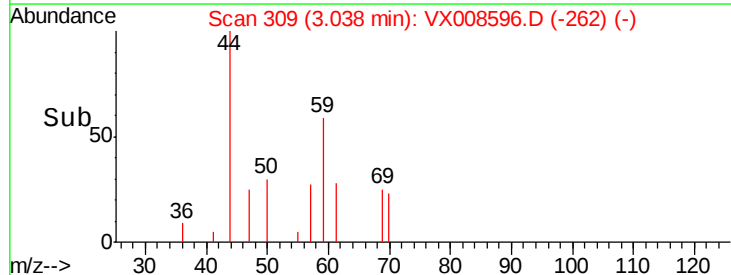
Tgt Ion: 59 Resp: 317
Ion Ratio Lower Upper
59 100
57 6.9 8.2 12.4#

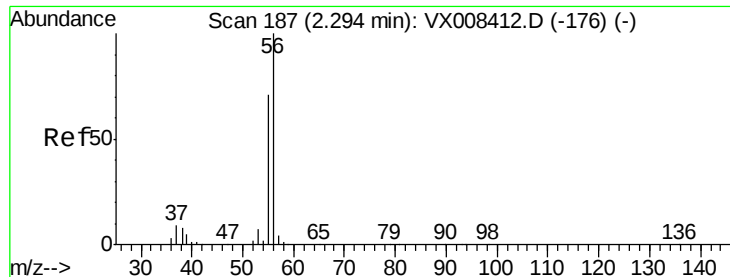


Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



Time-->

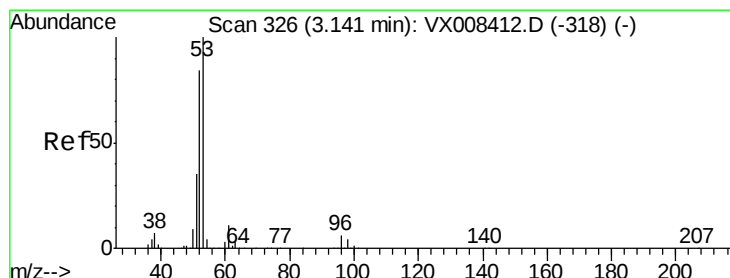
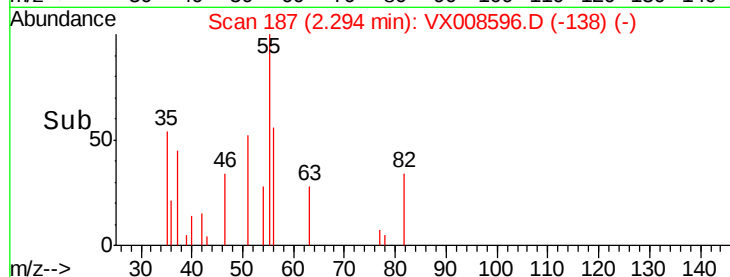
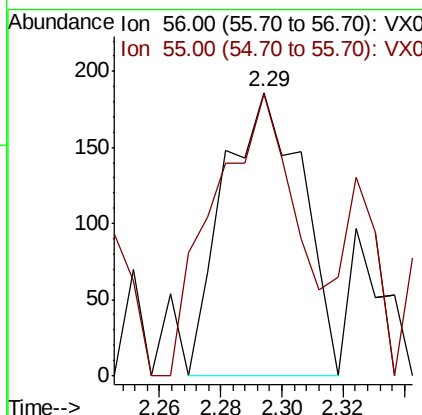
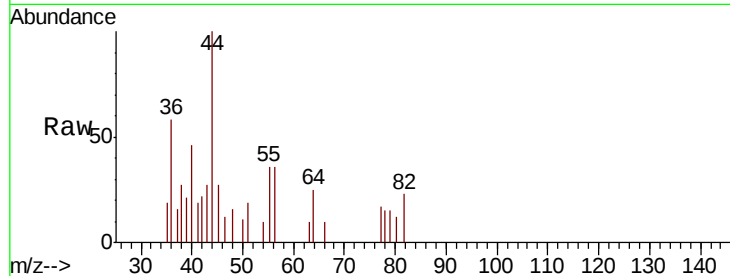




#13
Acrolein
Concen: 0.692 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008596.D
Acq: 02 Apr 2019 17:22

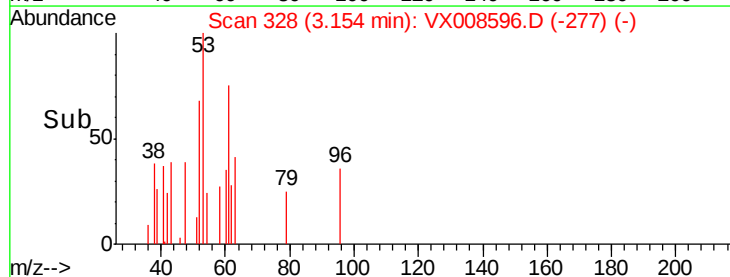
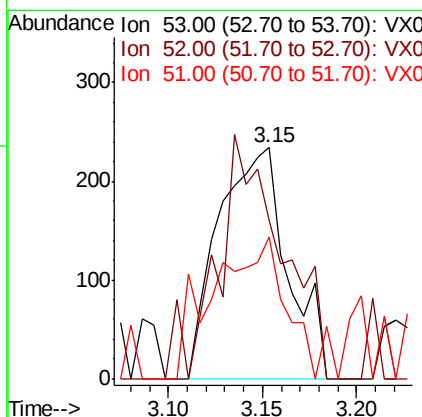
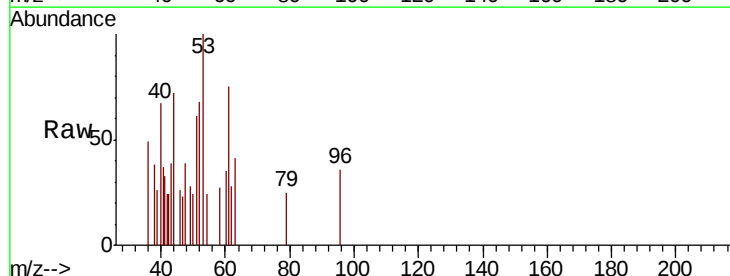
Instrument :
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ClientSampleId :
VX0402WBL02

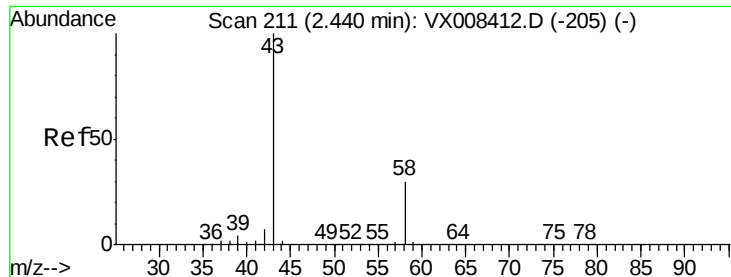
Tot Ion: 56 Resp: 333
Ion Ratio Lower Upper
56 100
55 103.3 56.5 84.7#



#15
Acrylonitrile
Concen: 0.343 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.01 min
Lab File: VX008596.D
Acq: 02 Apr 2019 17:22

Tgt Ion: 53 Resp: 595
Ion Ratio Lower Upper
53 100
52 99.0 66.5 99.7
51 63.4 28.3 42.5#

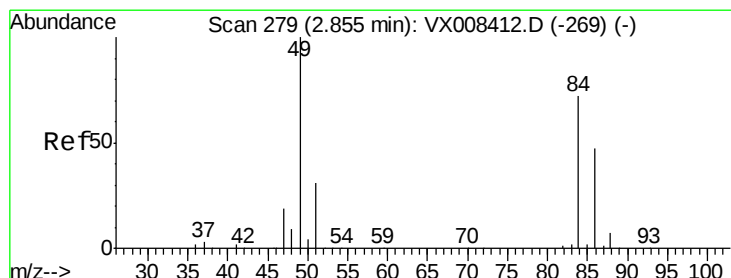
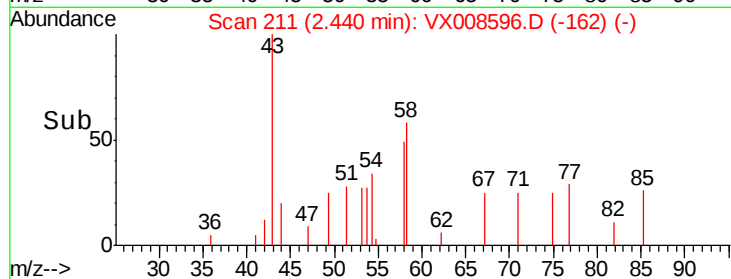
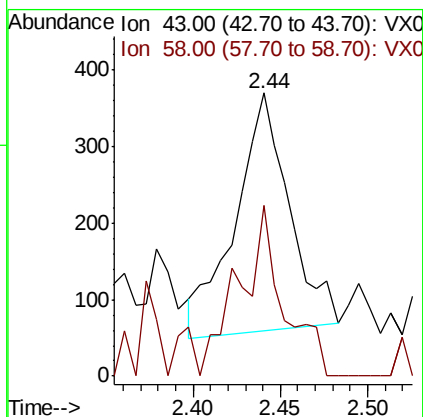
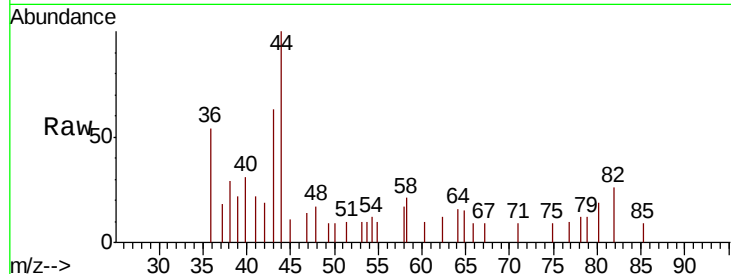




#16
Acetone
Concen: 0.428 ug/l
RT: 2.44 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX008596.D
Acq: 02 Apr 2019 17:22

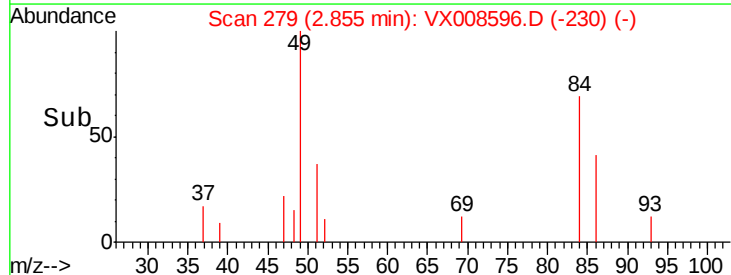
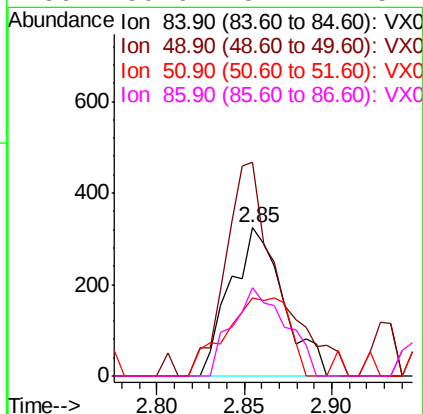
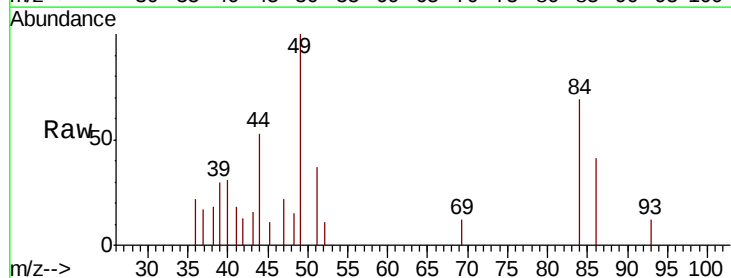
Instrument :
MSVOA_X
ClientSampleId :
VX0402WBL02

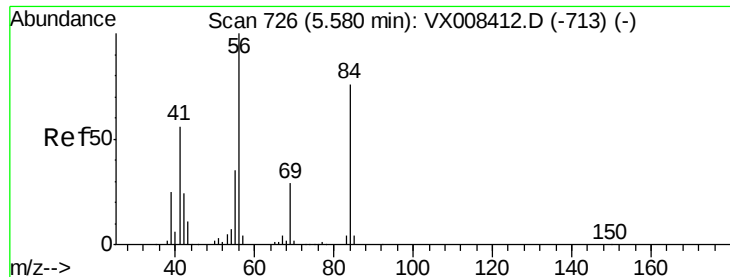
Tot Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
58 74.1 24.2 36.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008596.D
Acq: 02 Apr 2019 17:22

Tgt Ion: 84 Resp: 684
Ion Ratio Lower Upper
84 100
49 144.1 110.6 165.8
51 53.1 33.9 50.9#
86 59.6 52.2 78.2

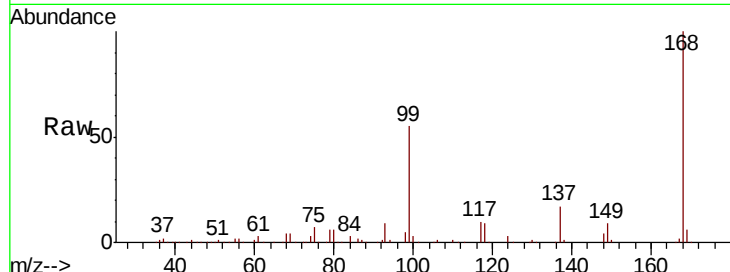




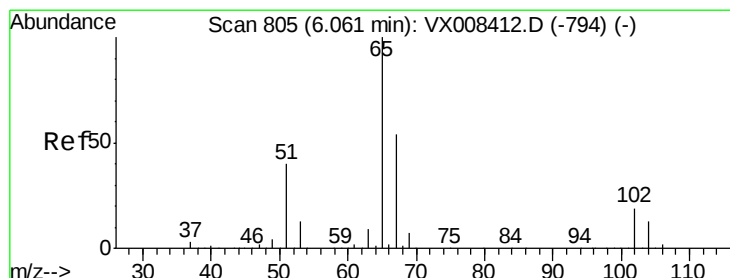
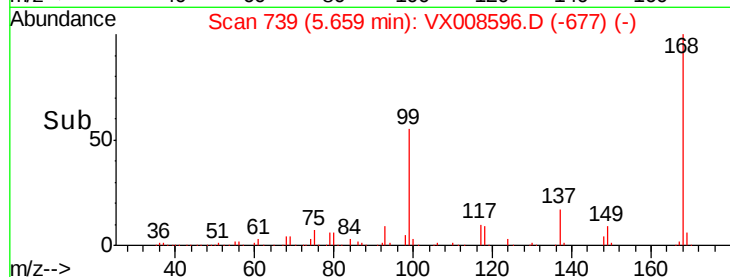
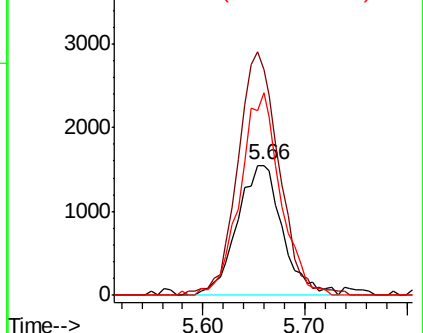
#31
Cyclohexane
Concen: 0.999 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008596.D
Acq: 02 Apr 2019 17:22

Instrument :
MSVOA_X
ClientSampleId :
VX0402WBL02

Tot Ion: 56 Resp: 4788
Ion Ratio Lower Upper
56 100
69 169.9 23.2 34.8#
84 155.2 60.7 91.1#

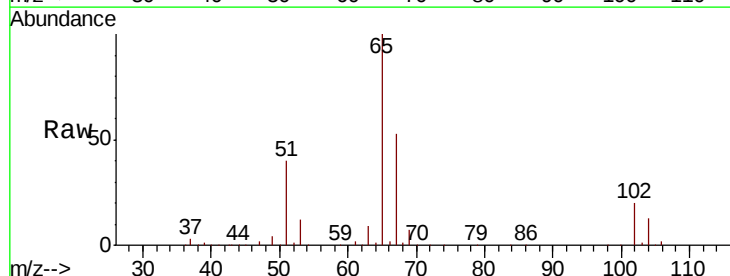


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

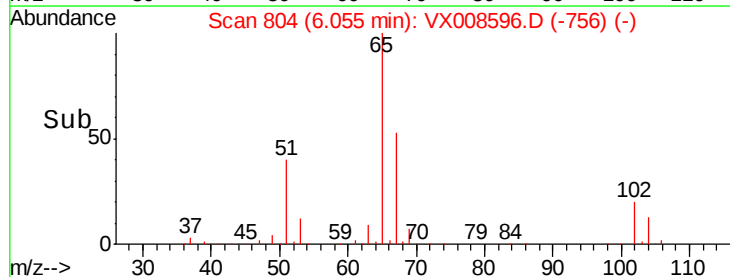
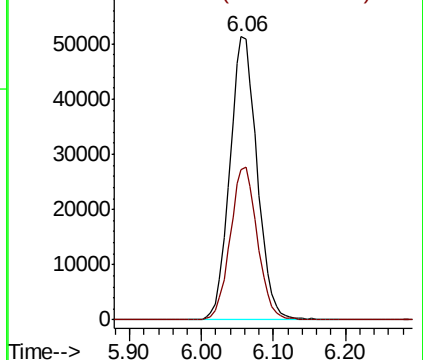


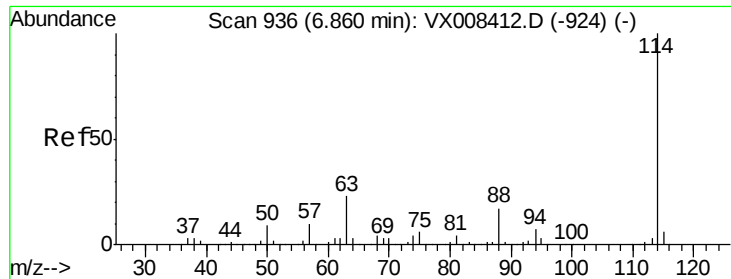
#33
1,2-Dichloroethane-d4
Concen: 45.266 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX008596.D
Acq: 02 Apr 2019 17:22

Tgt Ion: 65 Resp: 135334
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

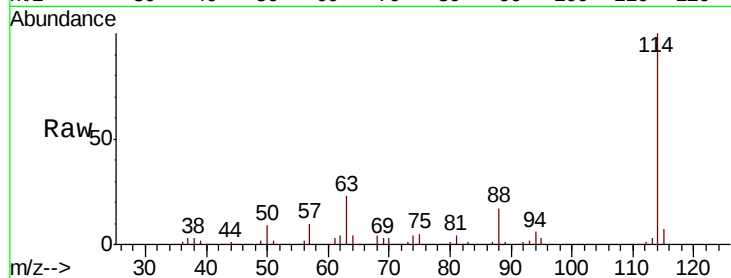




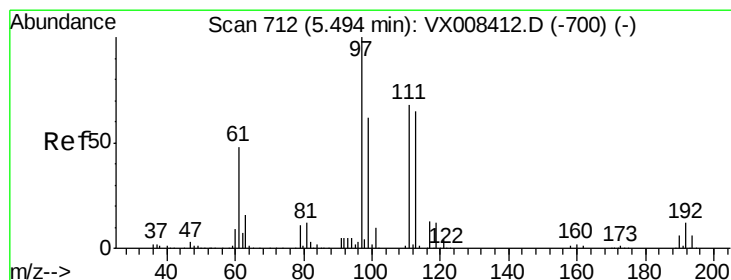
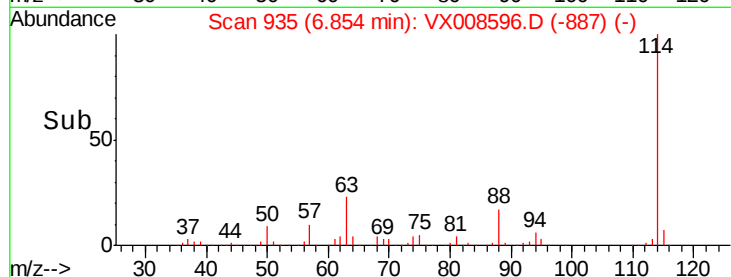
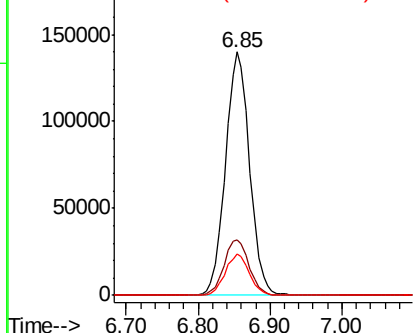
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008596.D
 Acq: 02 Apr 2019 17:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBL02

Tot Ion:114 Resp: 326160
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.4
 88 16.9 0.0 33.2

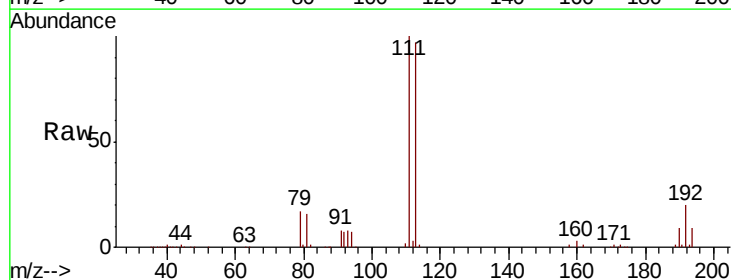


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

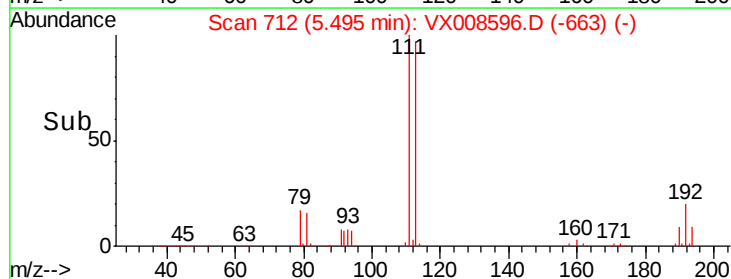
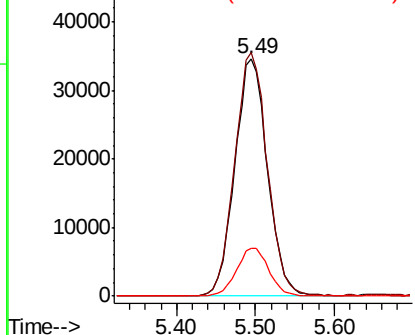


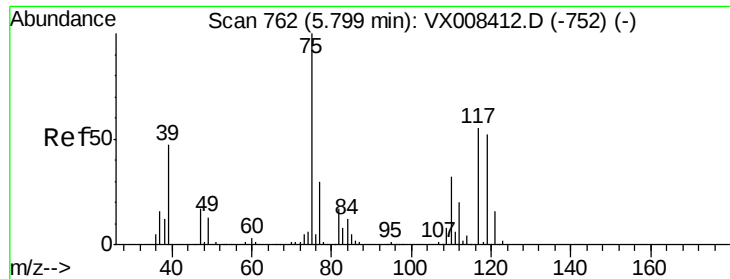
#35
 Dibromofluoromethane
 Concen: 46.861 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008596.D
 Acq: 02 Apr 2019 17:22

Tgt Ion:113 Resp: 99661
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.0 124.4
 192 20.0 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

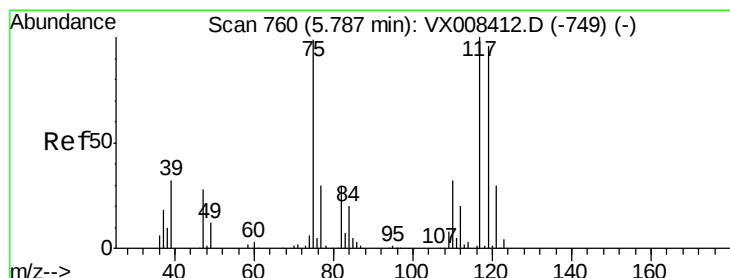
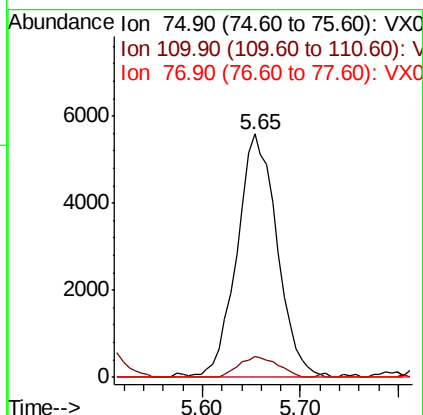
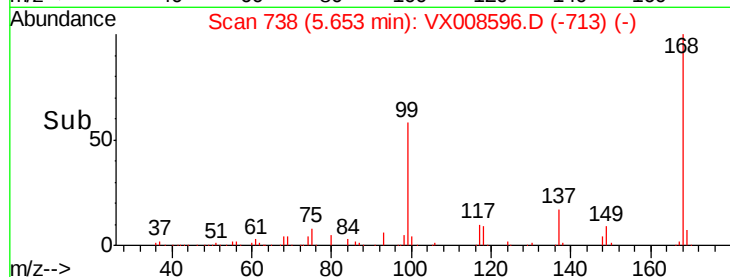
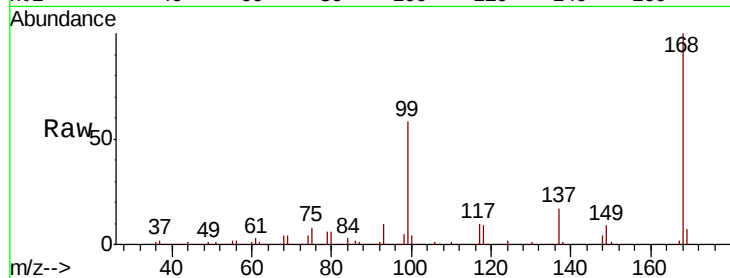




#36
 1,1-Dichloropropene
 Concen: 4.570 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX008596.D
 Acq: 02 Apr 2019 17:22

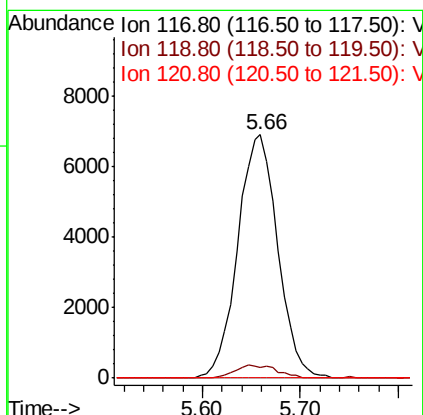
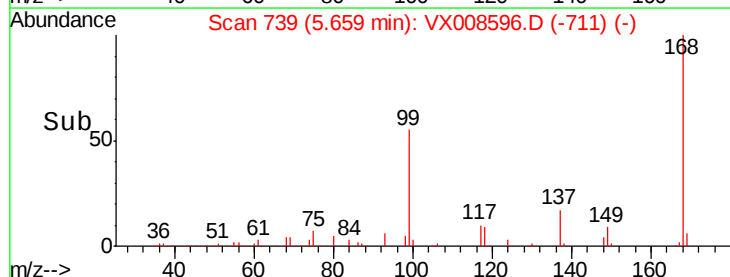
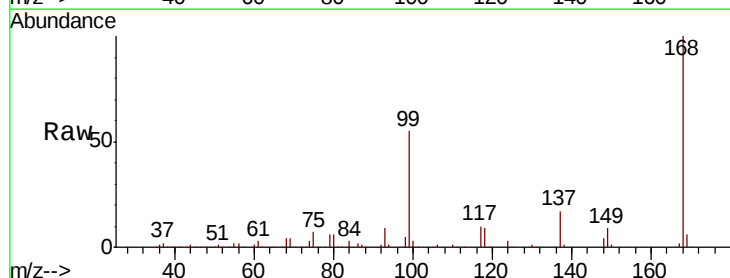
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBL02

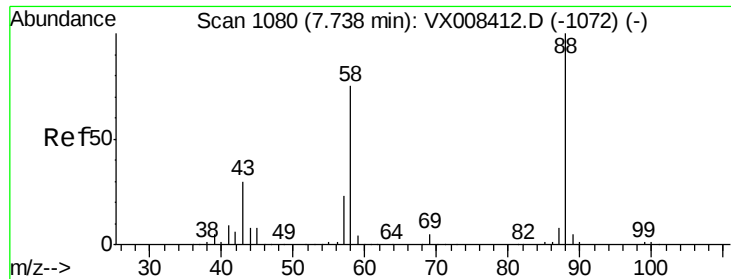
Tot Ion: 75 Resp: 15893
 Ion Ratio Lower Upper
 75 100
 110 8.2 16.6 49.7#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.739 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008596.D
 Acq: 02 Apr 2019 17:22

Tgt Ion: 117 Resp: 19558
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.7 115.1#
 121 0.0 24.3 36.5#

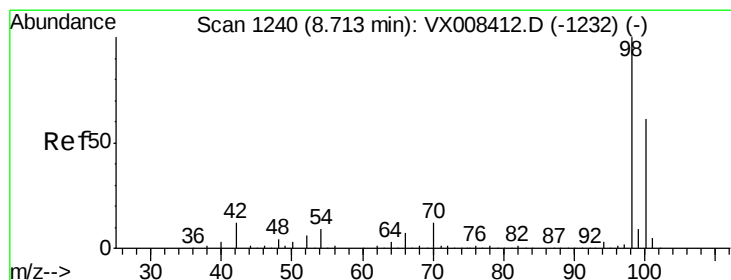
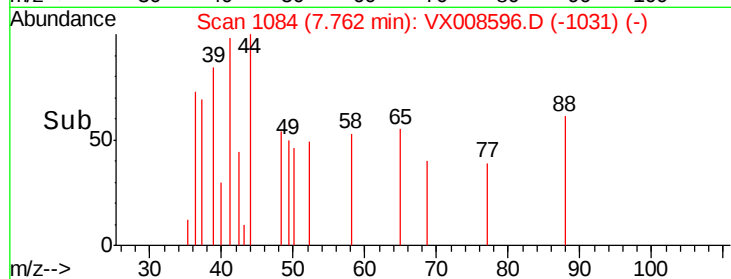
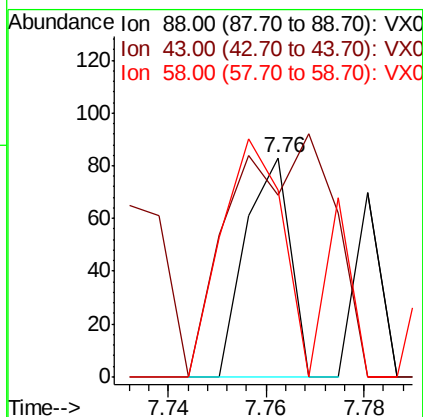
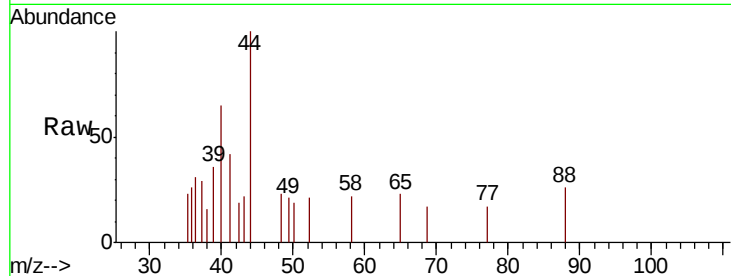




#49
 1,4-Dioxane
 Concen: 0.739 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. 0.02 min
 Lab File: VX008596.D
 Acq: 02 Apr 2019 17:22

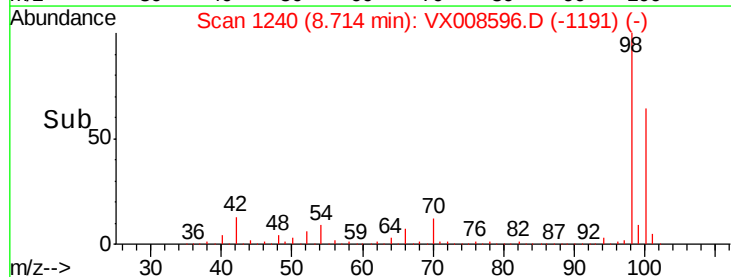
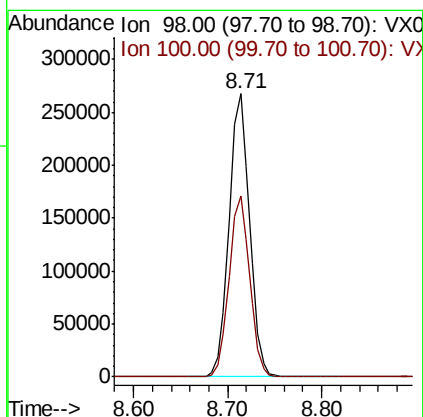
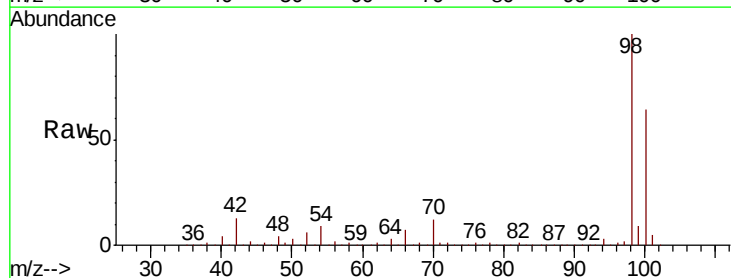
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBL02

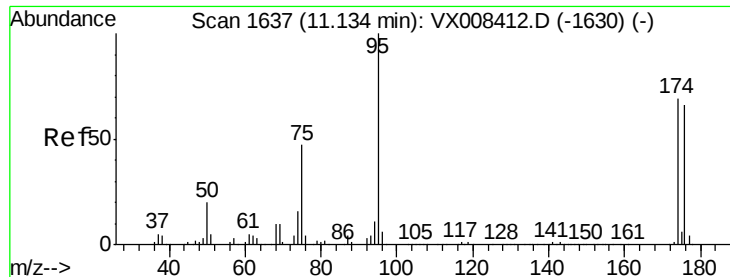
Tot Ion: 88 Resp: 53
 Ion Ratio Lower Upper
 88 100
 43 249.1 28.6 43.0#
 58 194.3 63.0 94.4#



#50
 Toluene-d8
 Concen: 47.643 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX008596.D
 Acq: 02 Apr 2019 17:22

Tgt Ion: 98 Resp: 405153
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 42.679 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008596.D

Acq: 02 Apr 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBL02

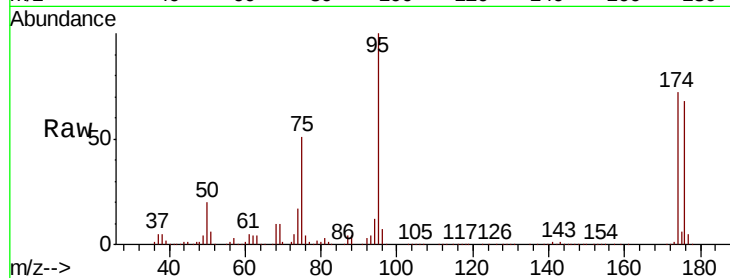
Tot Ion: 95 Resp: 134492

Ion Ratio Lower Upper

95 100

174 75.3 0.0 147.2

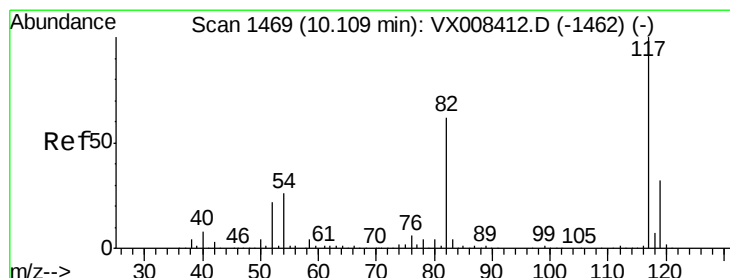
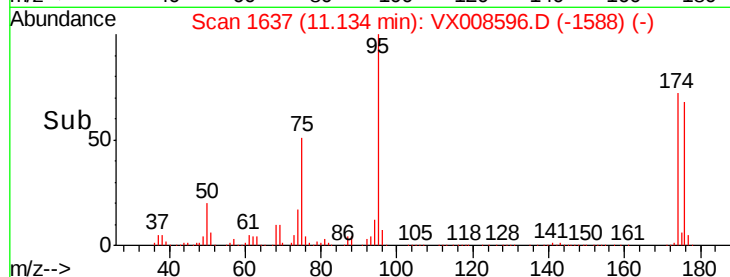
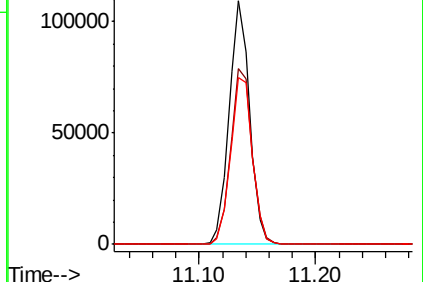
176 73.1 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX008412.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008412.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008412.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008596.D

Acq: 02 Apr 2019 17:22

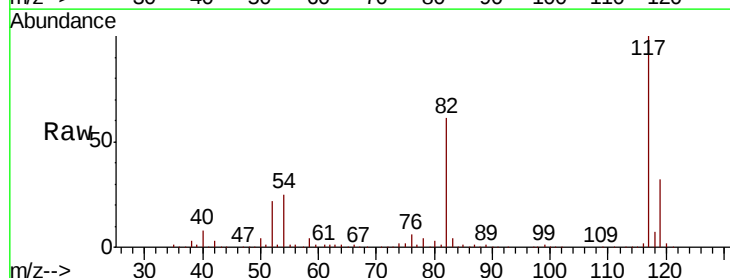
Tgt Ion: 117 Resp: 276527

Ion Ratio Lower Upper

117 100

82 60.8 49.4 74.2

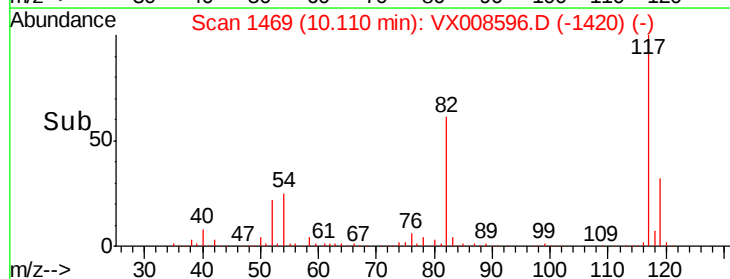
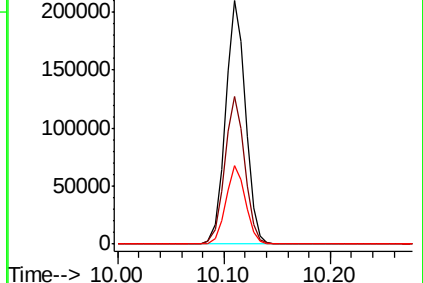
119 32.3 25.4 38.0

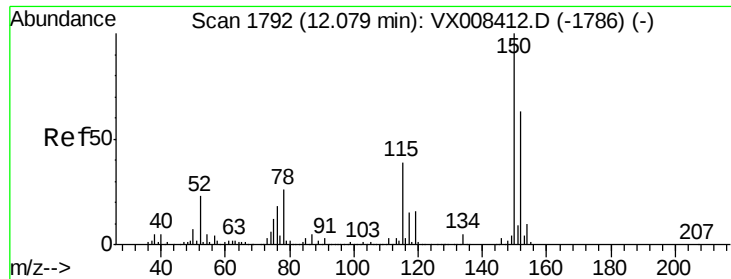


Abundance Ion 116.90 (116.60 to 117.60): VX008412.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008412.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008412.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008596.D

Acq: 02 Apr 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBL02

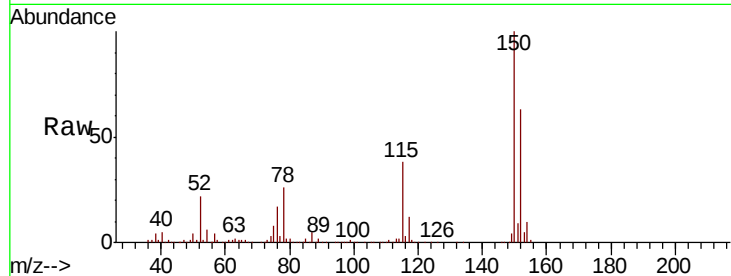
Tot Ion:152 Resp: 112327

Ion Ratio Lower Upper

152 100

115 62.3 43.5 130.5

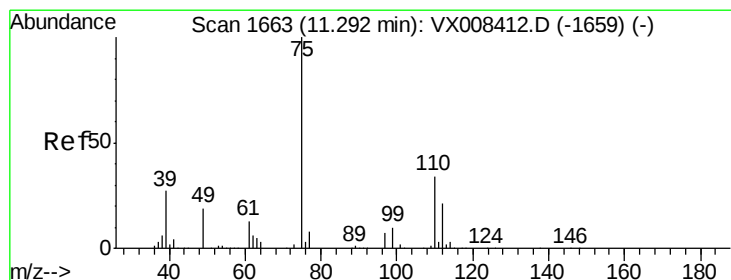
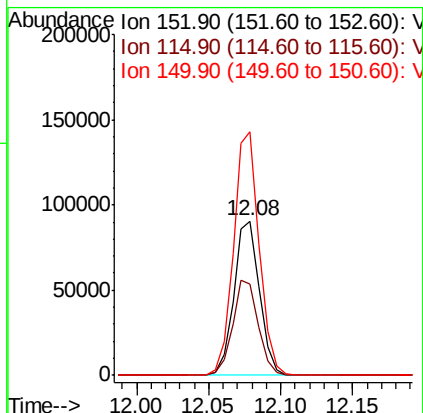
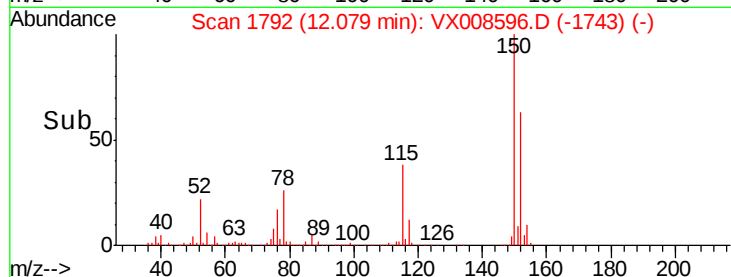
150 157.8 0.0 348.8



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: 20.487 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008596.D

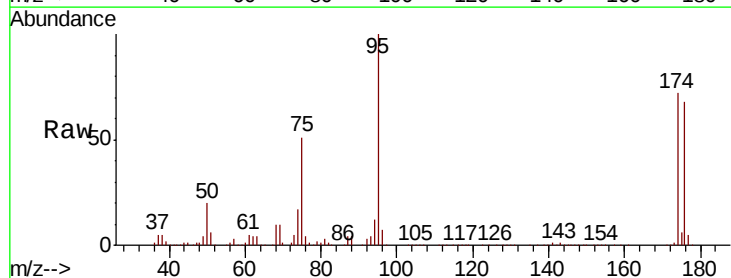
Acq: 02 Apr 2019 17:22

Tgt Ion: 75 Resp: 68415

Ion Ratio Lower Upper

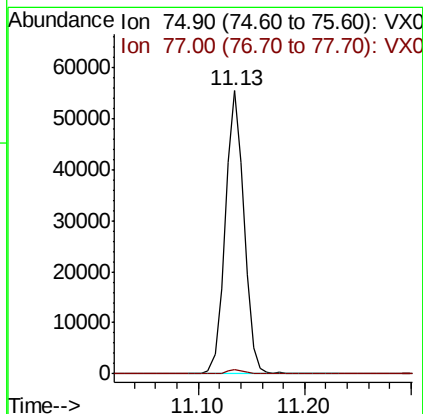
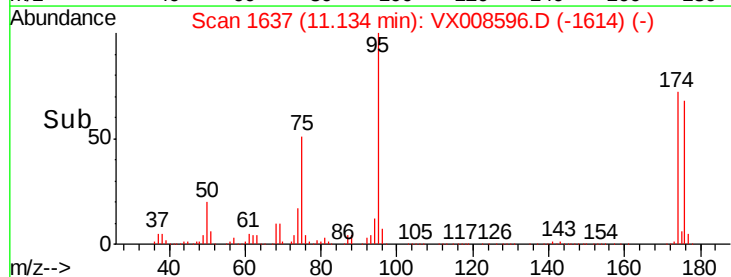
75 100

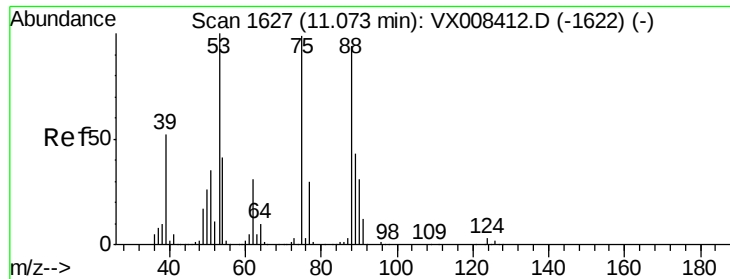
77 1.4 21.9 65.7#



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: 65.618 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008596.D

Acq: 02 Apr 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBL02

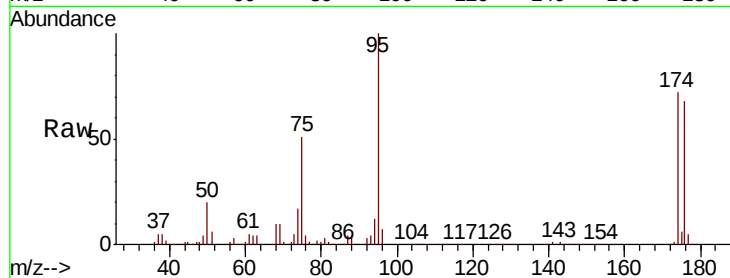
Tot Ion: 75 Resp: 68415

Ion Ratio Lower Upper

75 100

53 0.2 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

