

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040619\
 Data File : VX008710.D
 Acq On : 06 Apr 2019 11:01
 Operator : JC/SP
 Sample : VX0406WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBL01

Quant Time: Apr 08 01:51:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	206748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	347535	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	297664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122830	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	141893	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	
35) Dibromofluoromethane	5.49	113	105288	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
50) Toluene-d8	8.71	98	431952	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.13	95	144013	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	

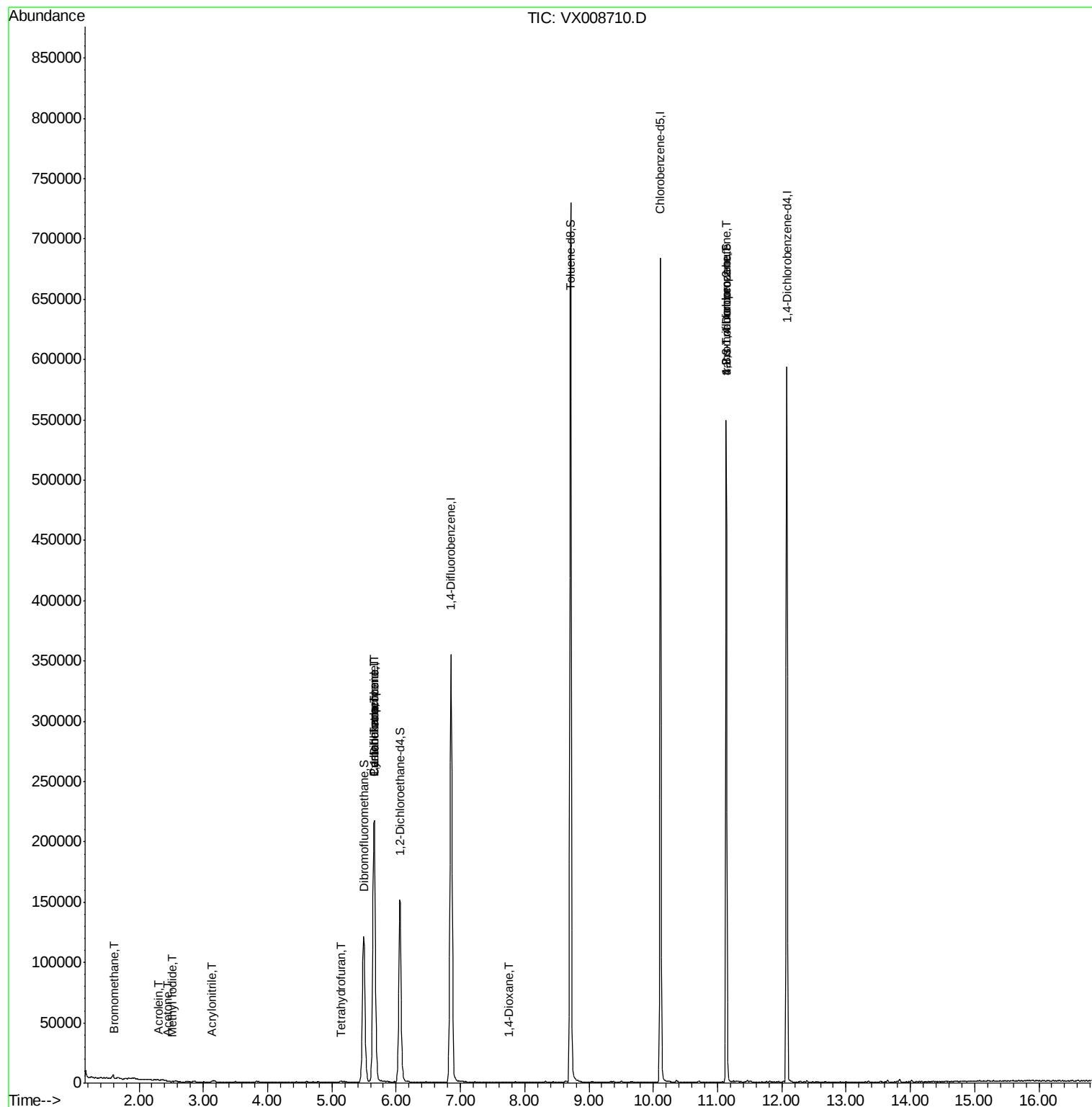
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	543	Below Cal	#	83
5) Bromomethane	1.62	94	26	1.901	ug/l #	3
6) Chloroethane	1.70	64	33	Below Cal	#	43
10) Methyl Iodide	2.53	142	359	4.161	ug/l #	68
13) Acrolein	2.29	56	363	1.037	ug/l #	74
15) Acrylonitrile	3.14	53	823	0.440	ug/l	88
16) Acetone	2.43	43	698	0.402	ug/l	91
17) Carbon Disulfide	2.57	76	1385	Below Cal	#	73
28) Bromochloromethane	5.03	49	141	Below Cal	#	22
29) Tetrahydrofuran	5.15	42	1165	0.639	ug/l #	51
31) Cyclohexane	5.66	56	4975	0.955	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	16761	4.412	ug/l #	50
38) Carbon Tetrachloride	5.65	117	19590	6.230	ug/l #	17
49) 1,4-Dioxane	7.75	88	113	1.501	ug/l #	47
76) 1,2,3-Trichloropropane	11.13	75	71915	21.313	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	71915	58.750	ug/l #	9

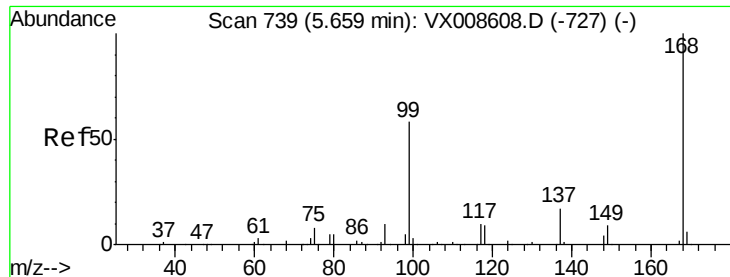
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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ClientSampleId :
VX0406WBL01

Quant Time: Apr 08 01:51:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
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: VX008710.D

Acq: 06 Apr 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

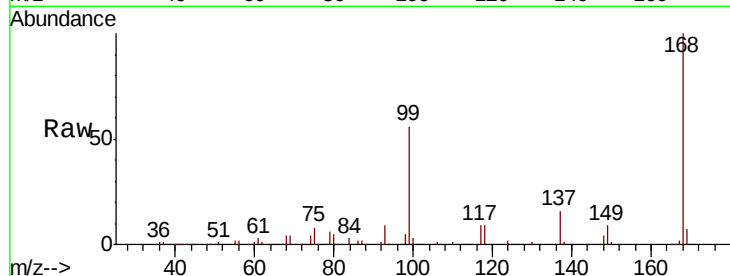
VX0406WBL01

Tot Ion:168 Resp: 206748

Ion Ratio Lower Upper

168 100

99 56.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

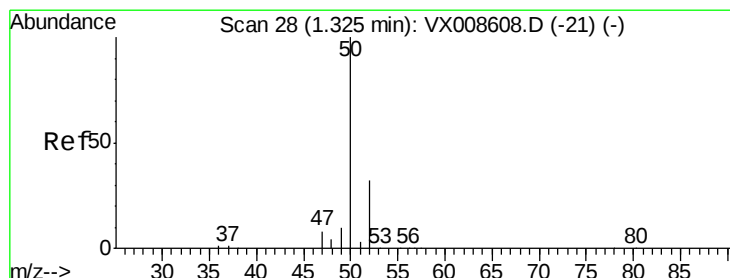
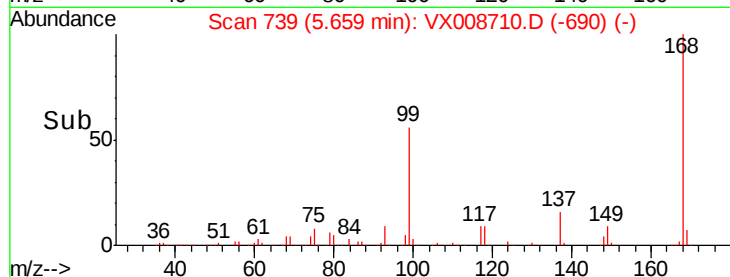
40000

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: VX008710.D

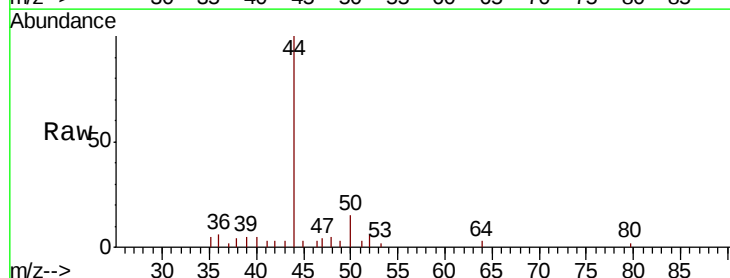
Acq: 06 Apr 2019 11:01

Tgt Ion: 50 Resp: 543

Ion Ratio Lower Upper

50 100

52 42.1 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

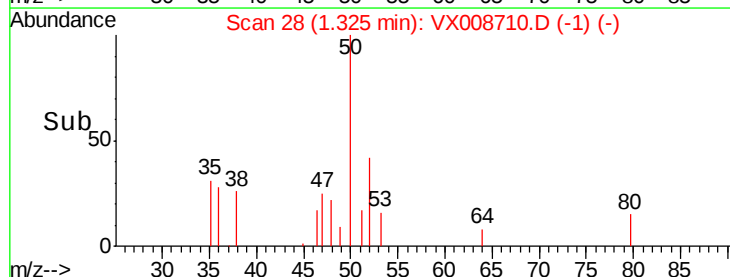
200

100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 1.901 ug/l

RT: 1.62 min Scan# 76

Delta R.T. -0.02 min

Lab File: VX008710.D

Acq: 06 Apr 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

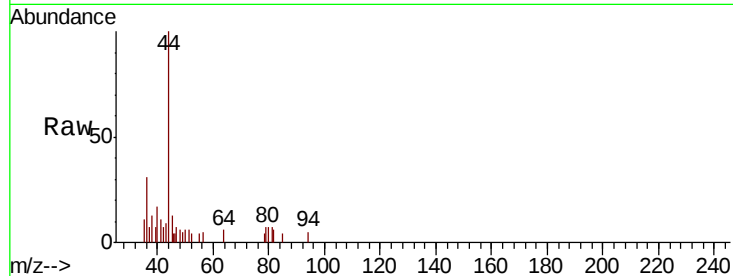
VX0406WBL01

Tot Ion: 94 Resp: 26

Ion Ratio Lower Upper

94 100

96 0.0 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

80

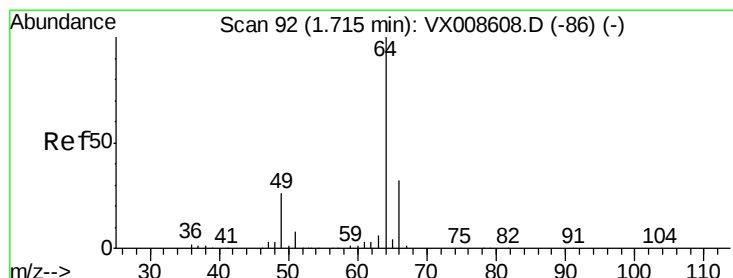
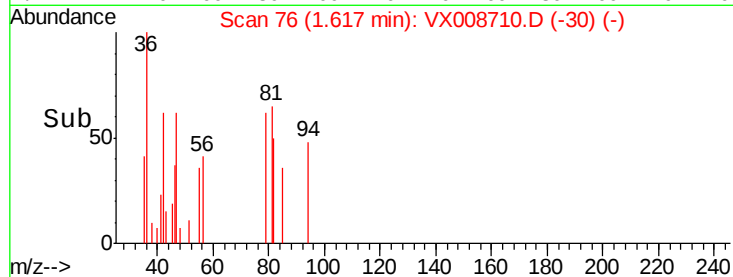
60

40

20

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008710.D

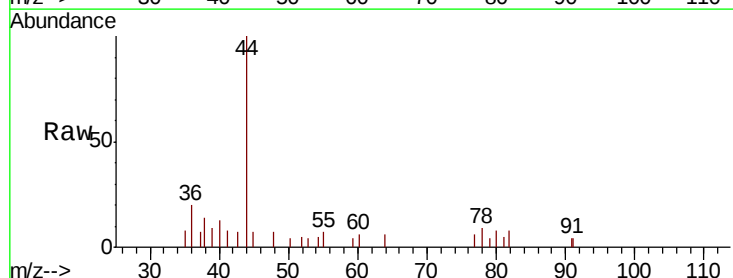
Acq: 06 Apr 2019 11:01

Tgt Ion: 64 Resp: 33

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

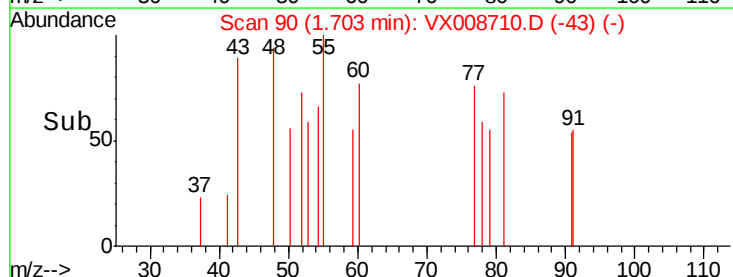
150

100

50

0

Time-->

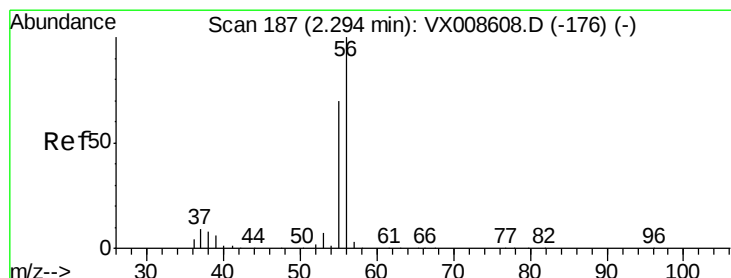
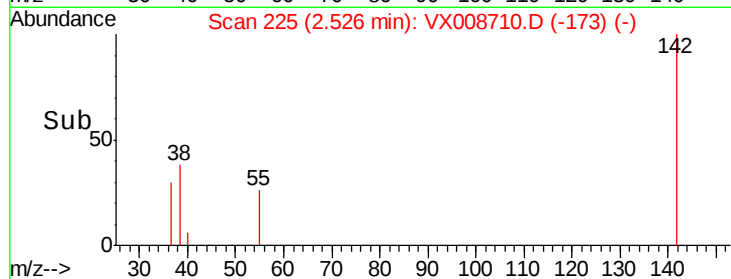
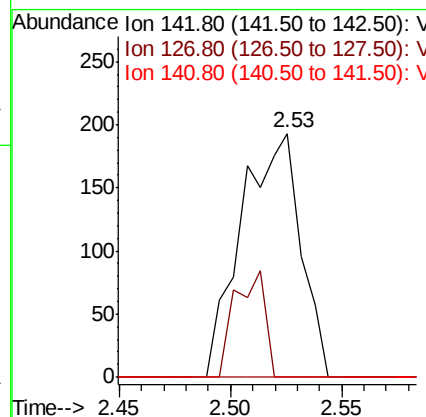
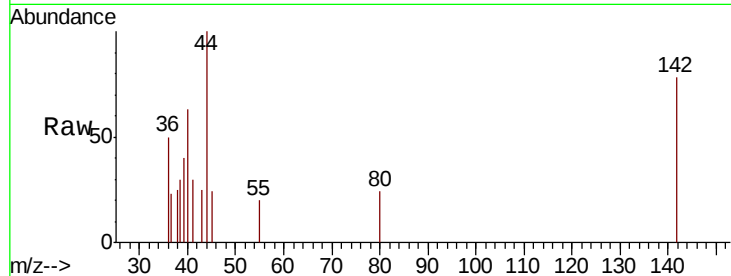




#10
Methvl Iodide
Concen: 4.161 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX008710.D
Acq: 06 Apr 2019 11:01

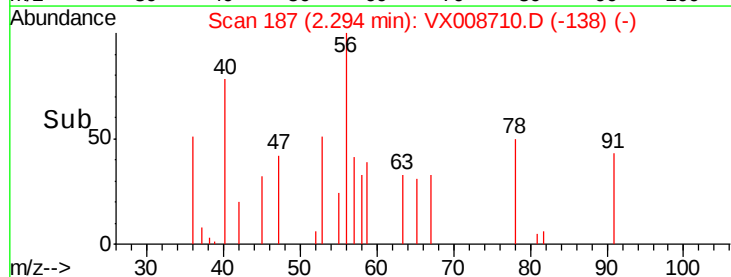
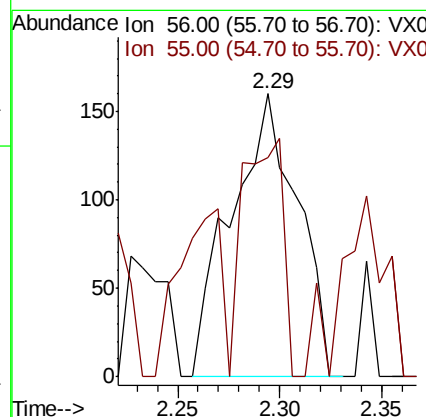
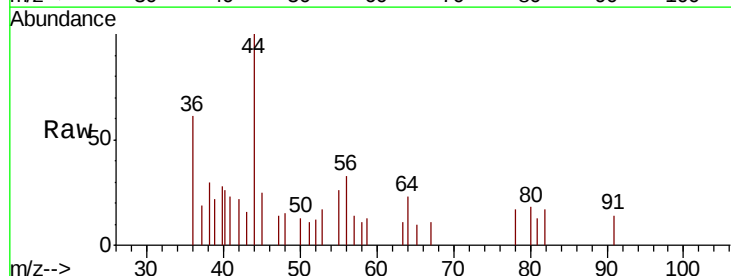
Instrument :
MSVOA_X
ClientSampleId :
VX0406WBL01

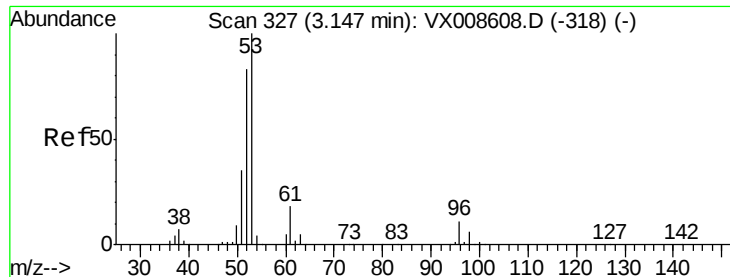
Tot Ion:142 Resp: 359
Ion Ratio Lower Upper
142 100
127 22.0 33.0 49.6#
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 1.037 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008710.D
Acq: 06 Apr 2019 11:01

Tgt Ion: 56 Resp: 363
Ion Ratio Lower Upper
56 100
55 50.4 58.0 87.0#





#15

Acrylonitrile

Concen: 0.440 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX008710.D

Acq: 06 Apr 2019 11:01

Instrument :

MSVOA_X

ClientSampled :

VX0406WBL01

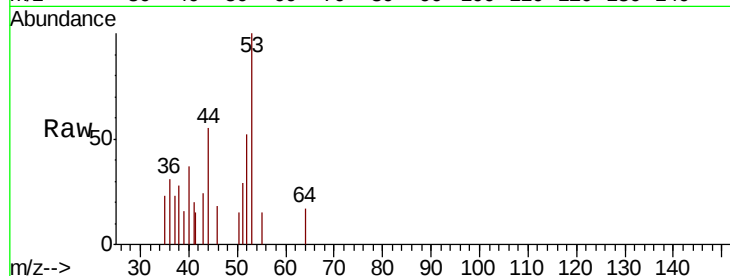
Tot Ion: 53 Resp: 823

Ion Ratio Lower Upper

53 100

52 94.0 66.5 99.7

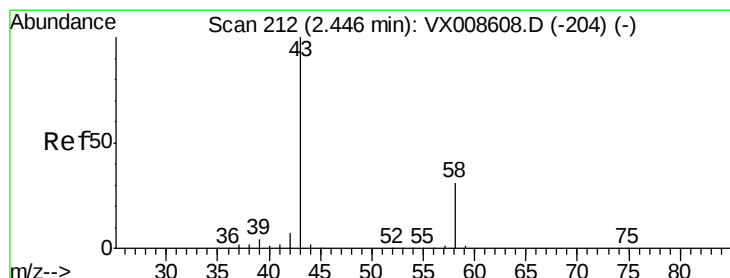
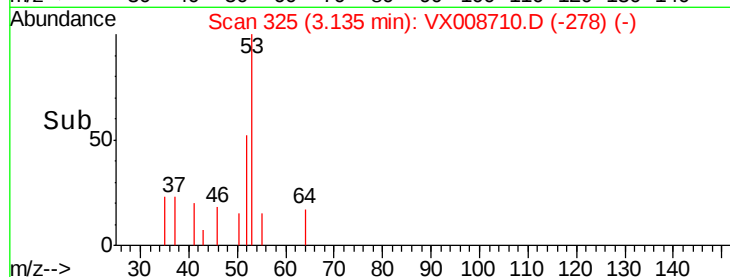
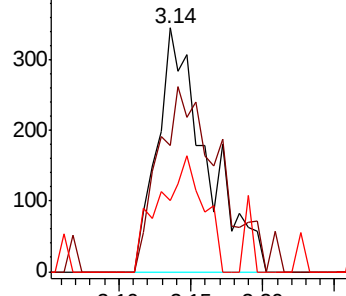
51 42.8 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.402 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX008710.D

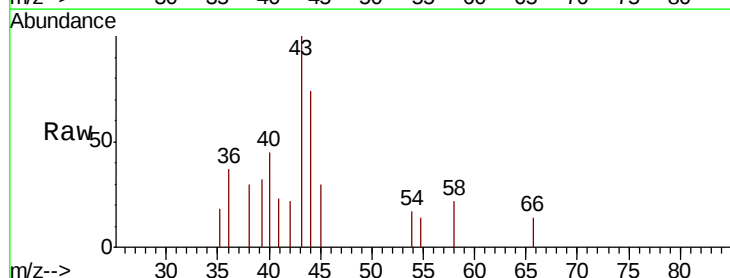
Acq: 06 Apr 2019 11:01

Tgt Ion: 43 Resp: 698

Ion Ratio Lower Upper

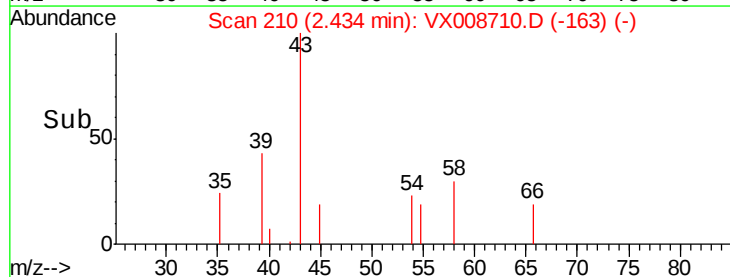
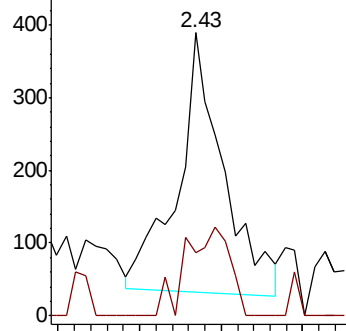
43 100

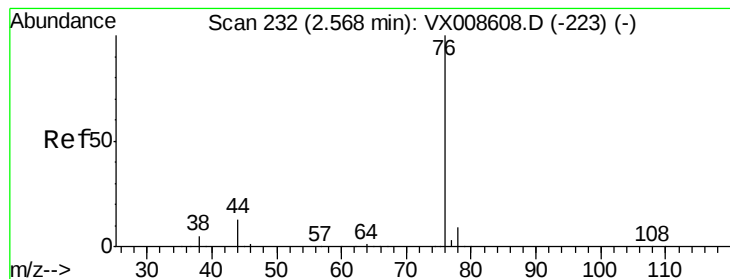
58 26.0 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008710.D

Acq: 06 Apr 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

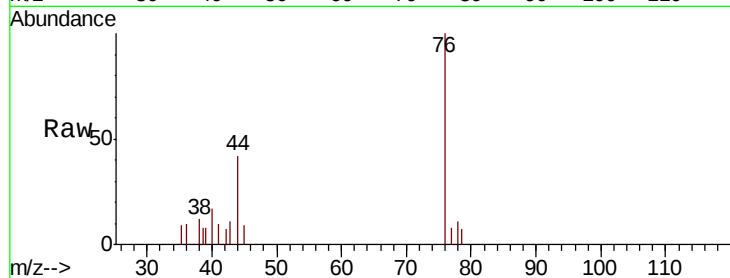
VX0406WBL01

Tot Ion: 76 Resp: 1385

Ion Ratio Lower Upper

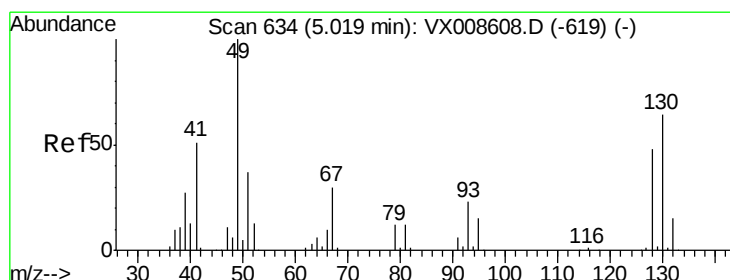
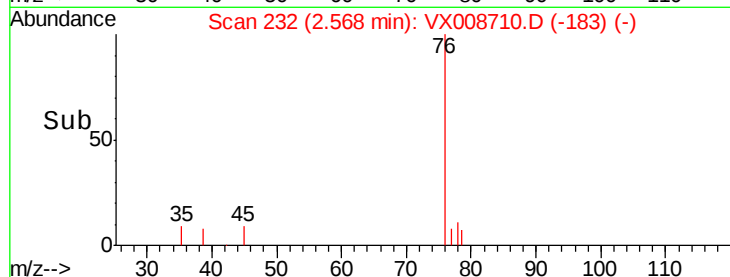
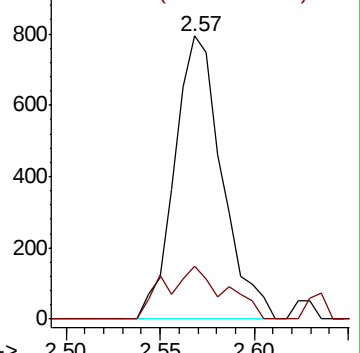
76 100

78 18.5 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX008710.D

Acq: 06 Apr 2019 11:01

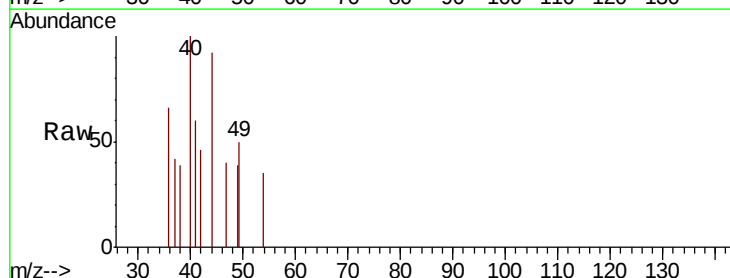
Tgt Ion: 49 Resp: 141

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

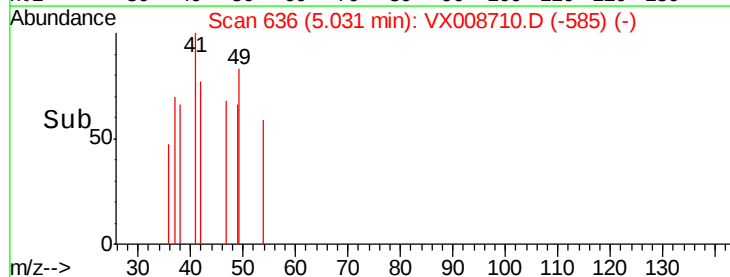
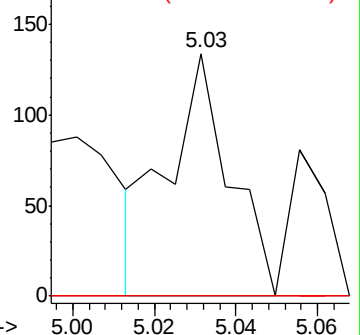
130 0.0 49.3 73.9#

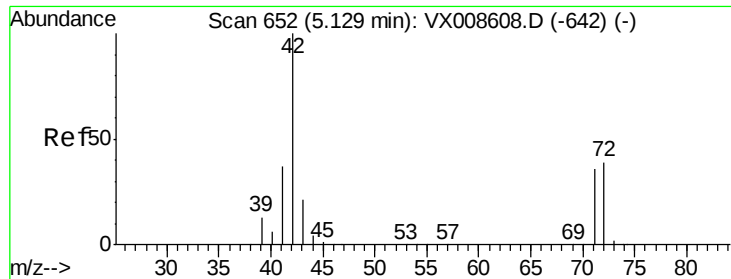


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

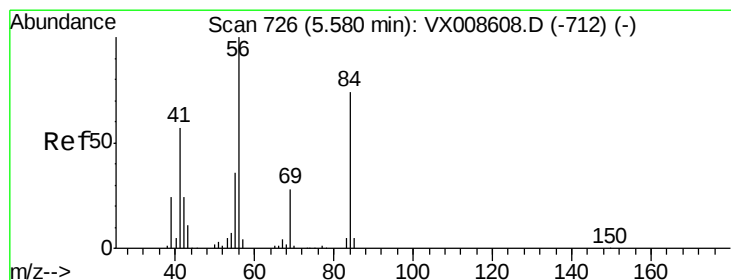
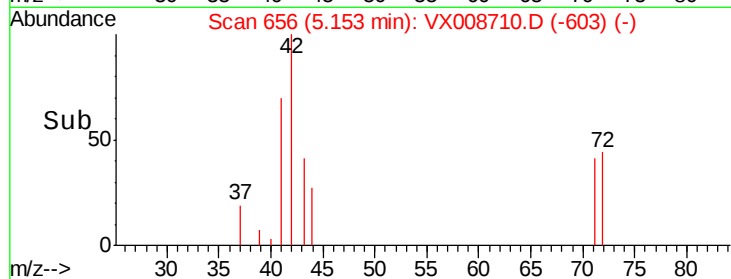
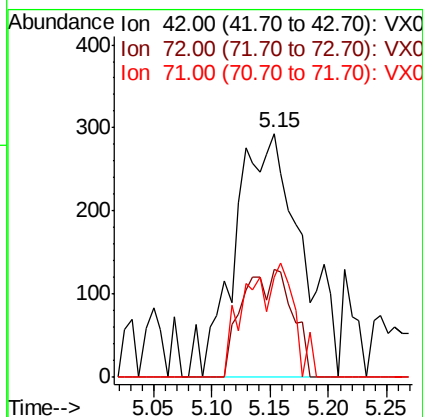
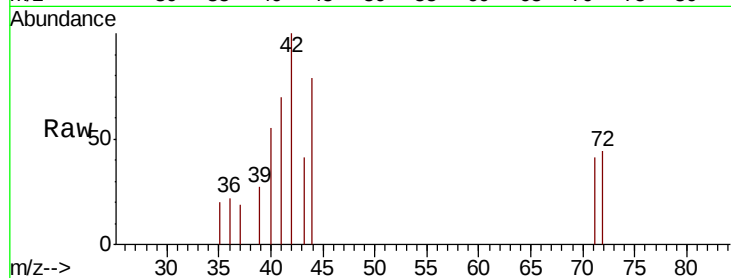




#29
Tetrahydrofuran
Concen: 0.639 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.02 min
Lab File: VX008710.D
Acq: 06 Apr 2019 11:01

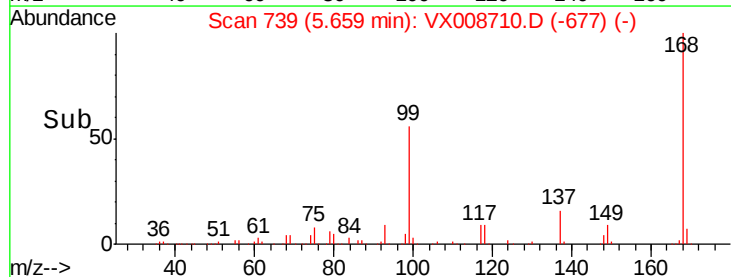
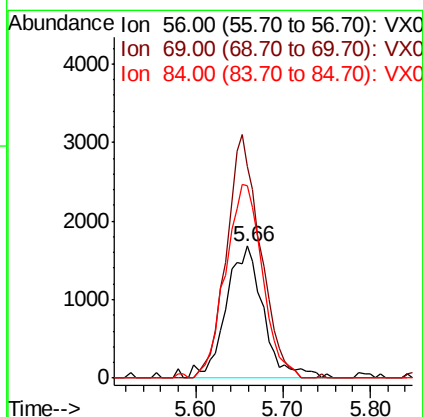
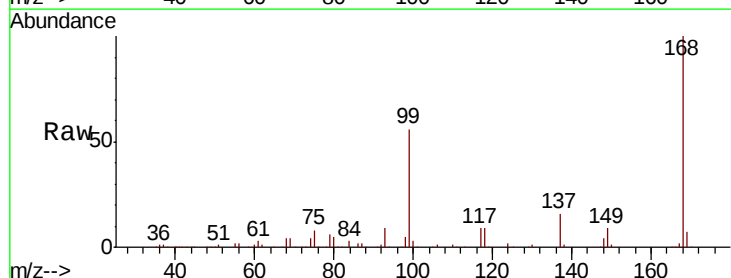
Instrument :
MSVOA_X
ClientSampleId :
VX0406WBL01

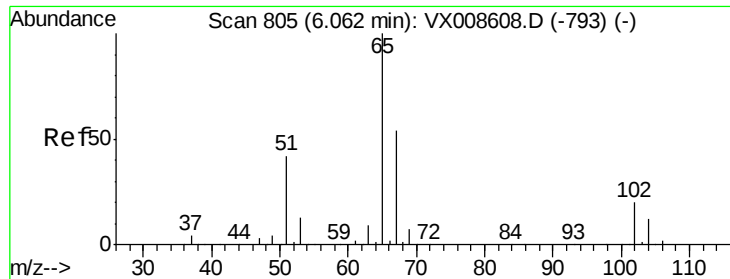
Tot Ion: 42 Resp: 1165
Ion Ratio Lower Upper
42 100
72 0.0 30.5 45.7#
71 15.9 28.6 43.0#



#31
Cyclohexane
Concen: 0.955 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008710.D
Acq: 06 Apr 2019 11:01

Tgt Ion: 56 Resp: 4975
Ion Ratio Lower Upper
56 100
69 159.7 22.6 33.8#
84 145.8 59.3 88.9#





#33

1,2-Dichloroethane-d4

Concen: 47.054 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008710.D

Acq: 06 Apr 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

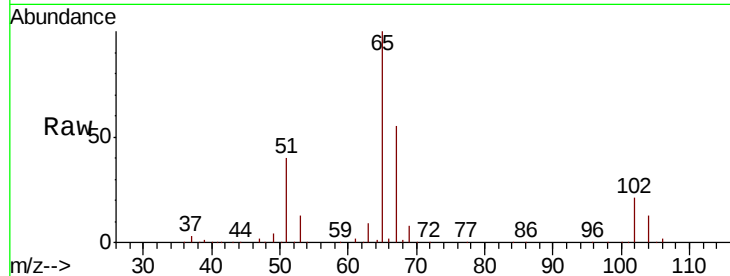
VX0406WBL01

Tot Ion: 65 Resp: 141893

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

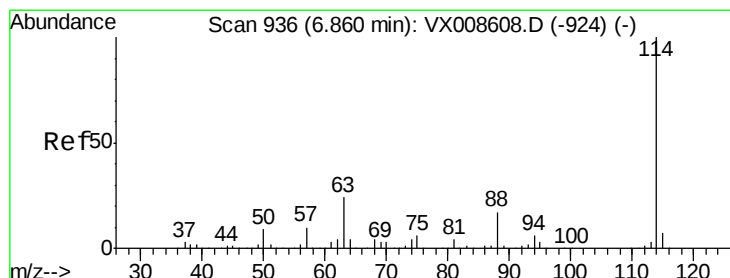
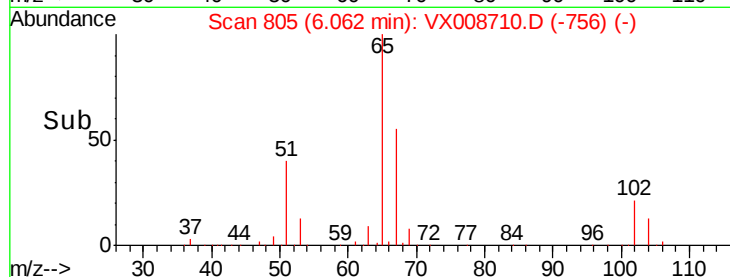
20000

10000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008710.D

Acq: 06 Apr 2019 11:01

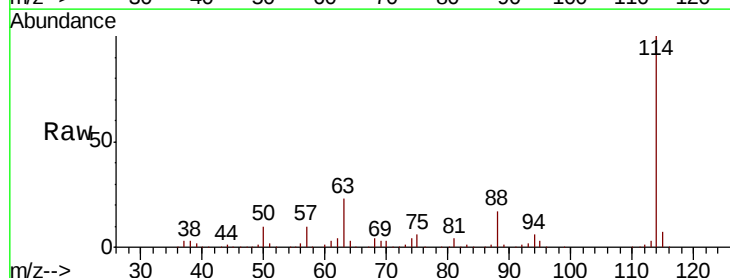
Tgt Ion: 114 Resp: 347535

Ion Ratio Lower Upper

114 100

63 23.5 0.0 47.2

88 17.1 0.0 34.0



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

200000

150000

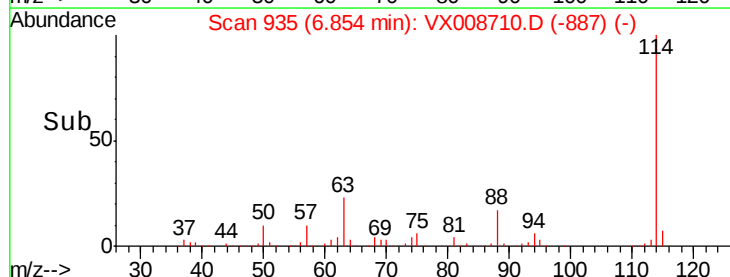
100000

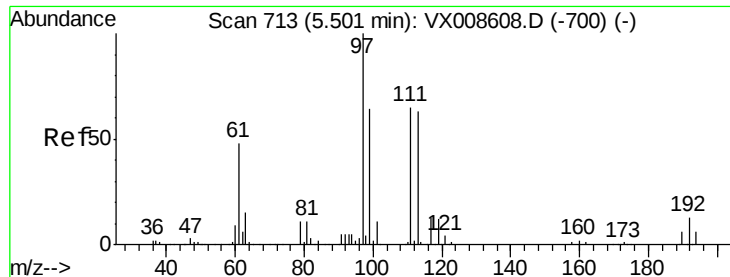
50000

0

6.70 6.80 6.90 7.00

Time-->

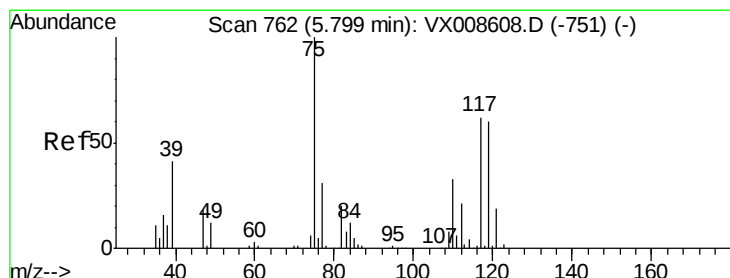
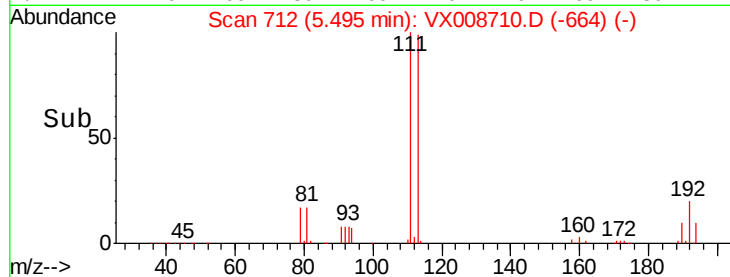
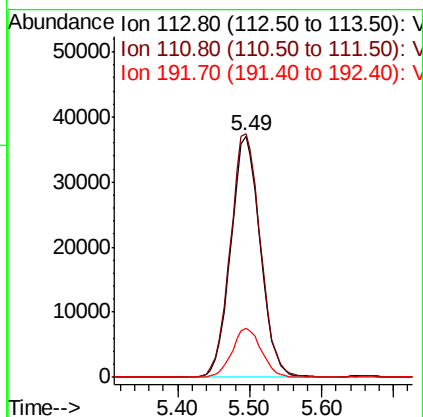
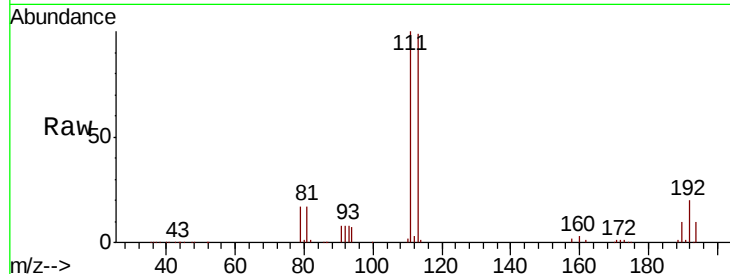




#35
 Dibromofluoromethane
 Concen: 47.384 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008710.D
 Acq: 06 Apr 2019 11:01

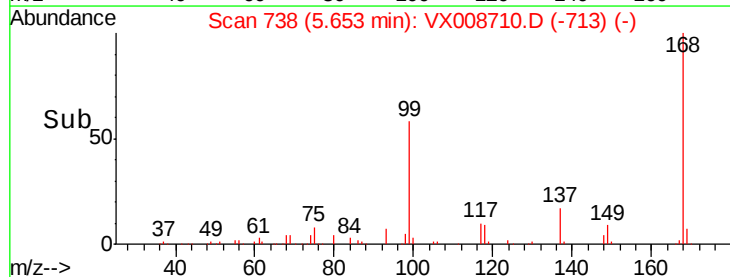
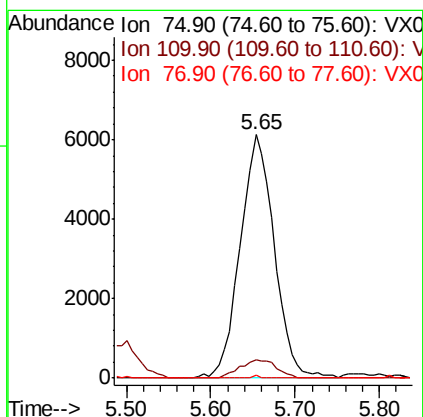
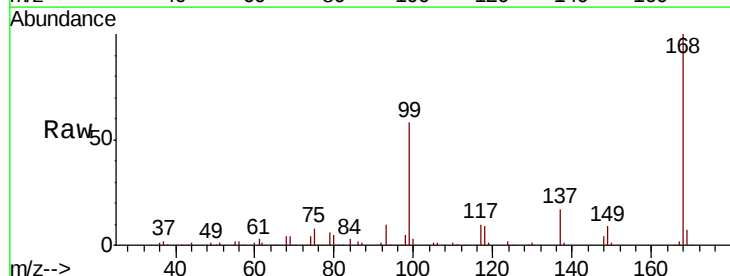
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBL01

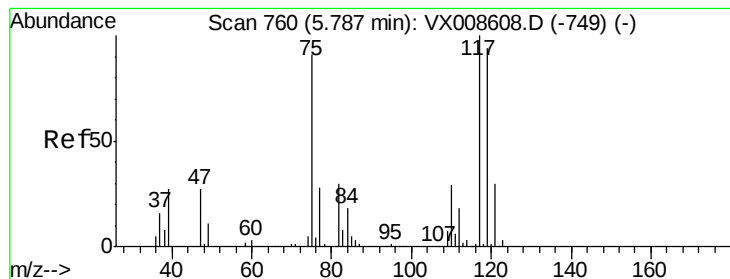
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.4	125.2
192	20.3	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 4.412 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX008710.D
 Acq: 06 Apr 2019 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.4	49.2#
77	0.2	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.230 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX008710.D

Acq: 06 Apr 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBL01

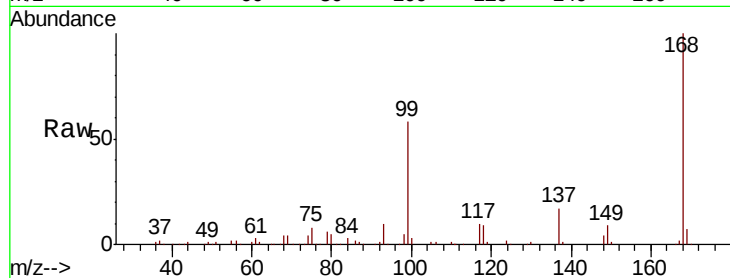
Tot Ion:117 Resp: 19590

Ion Ratio Lower Upper

117 100

119 5.8 75.0 112.6#

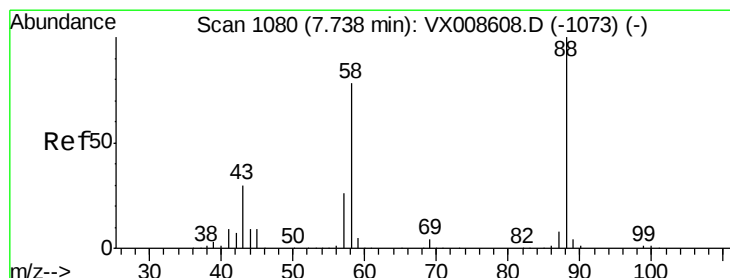
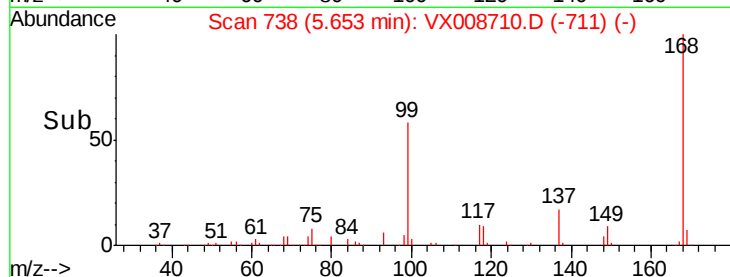
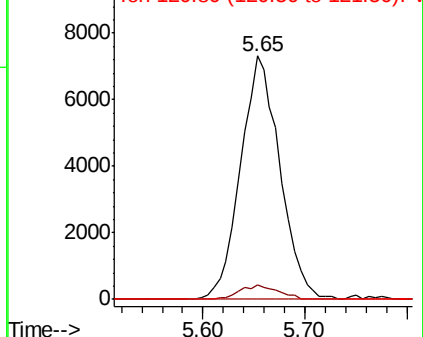
121 0.0 24.3 36.5#



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: 1.501 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX008710.D

Acq: 06 Apr 2019 11:01

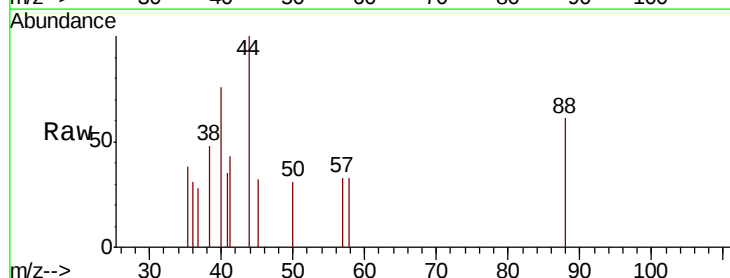
Tgt Ion: 88 Resp: 113

Ion Ratio Lower Upper

88 100

43 75.2 28.6 43.0#

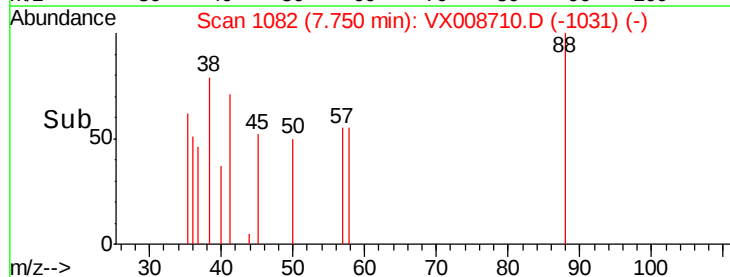
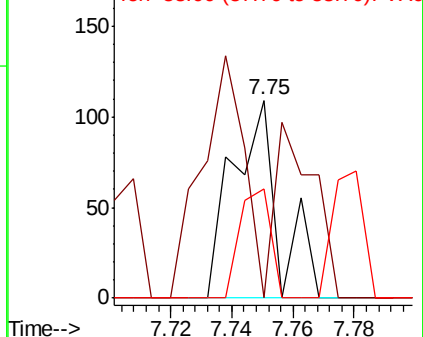
58 37.2 62.2 93.2#

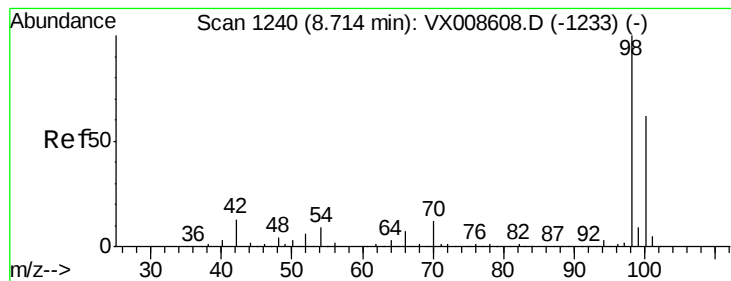


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.822 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008710.D

Acq: 06 Apr 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

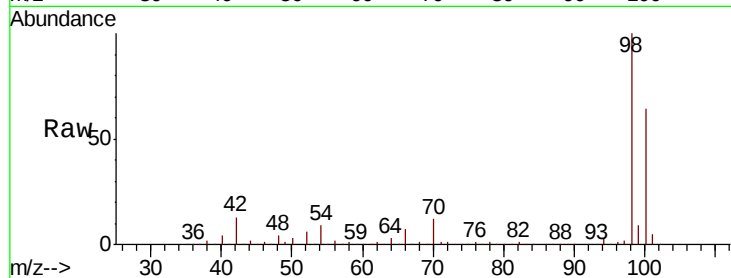
VX0406WBL01

Tot Ion: 98 Resp: 431952

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

150000

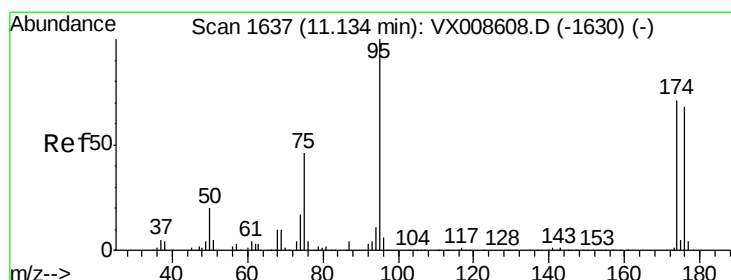
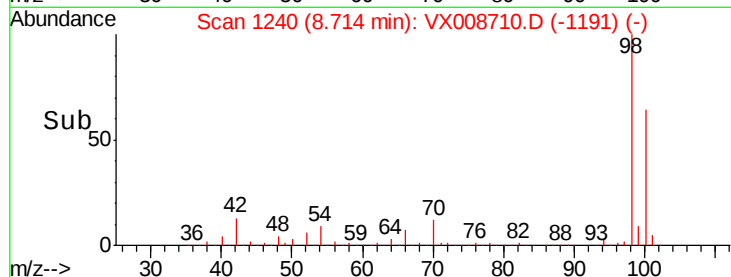
100000

50000

0

Time-->

8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 45.901 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008710.D

Acq: 06 Apr 2019 11:01

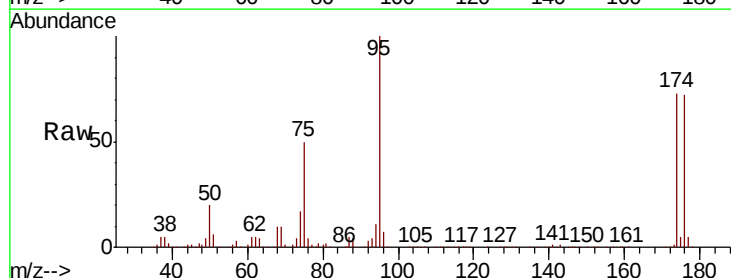
Tgt Ion: 95 Resp: 144013

Ion Ratio Lower Upper

95 100

174 77.1 0.0 151.8

176 75.3 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

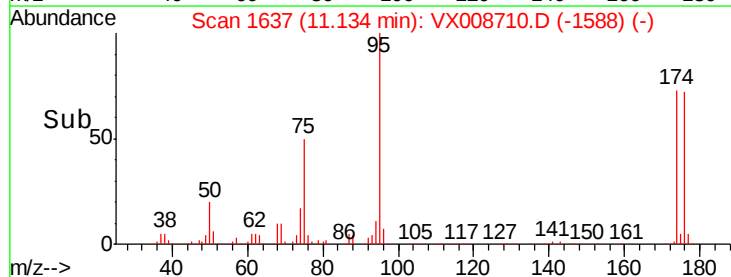
100000

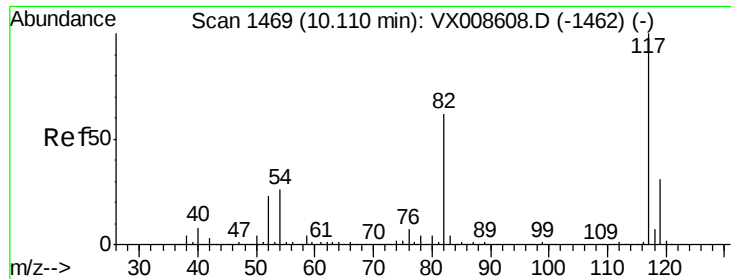
50000

0

Time-->

11.10 11.20

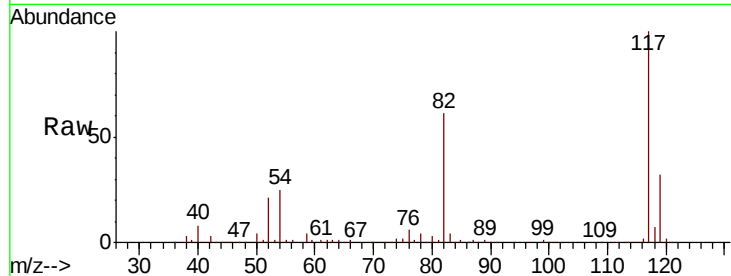




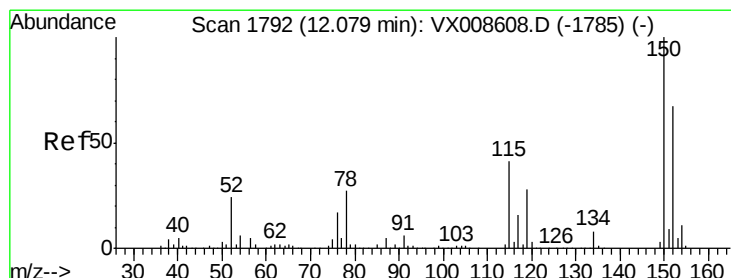
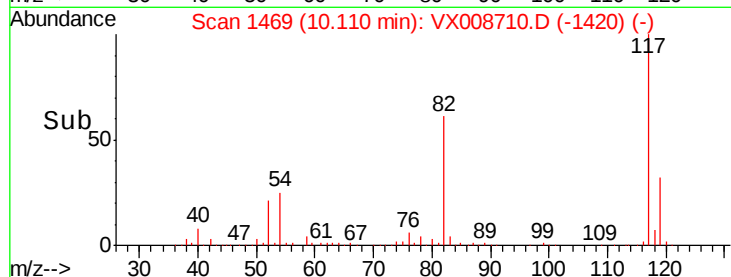
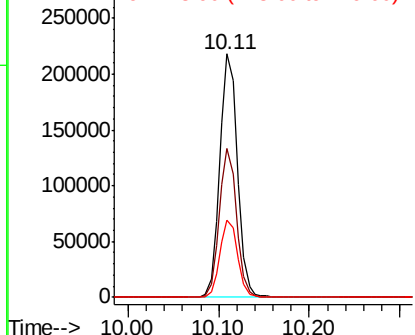
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008710.D
Acq: 06 Apr 2019 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBL01

Tot Ion:117 Resp: 297664
Ion Ratio Lower Upper
117 100
82 61.1 49.6 74.4
119 31.5 25.0 37.4

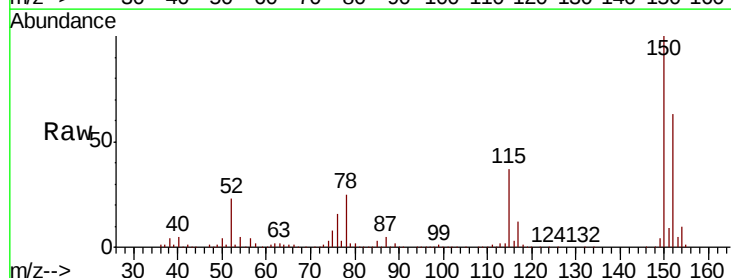


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

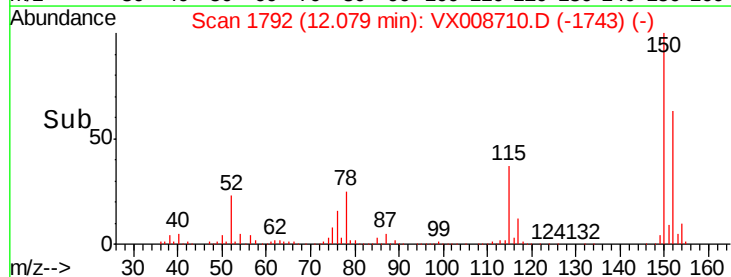
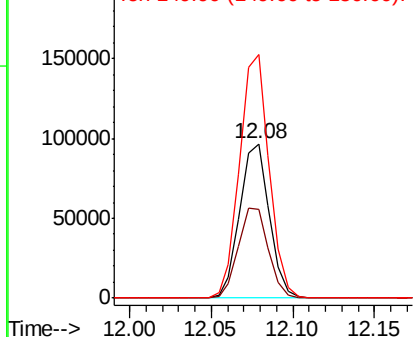


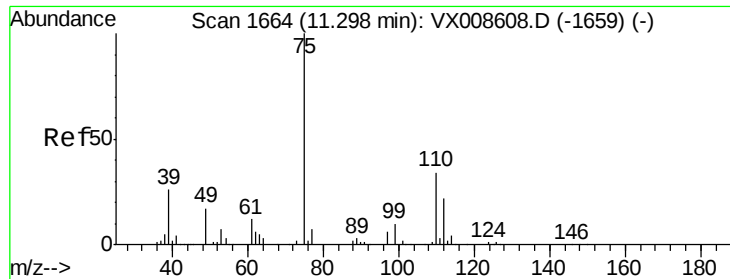
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008710.D
Acq: 06 Apr 2019 11:01

Tgt Ion:152 Resp: 122830
Ion Ratio Lower Upper
152 100
115 59.9 43.5 130.5
150 157.6 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: 21.313 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008710.D

Acq: 06 Apr 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

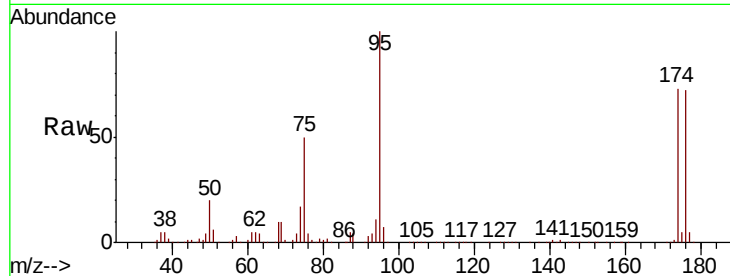
VX0406WBL01

Tot Ion: 75 Resp: 71915

Ion Ratio Lower Upper

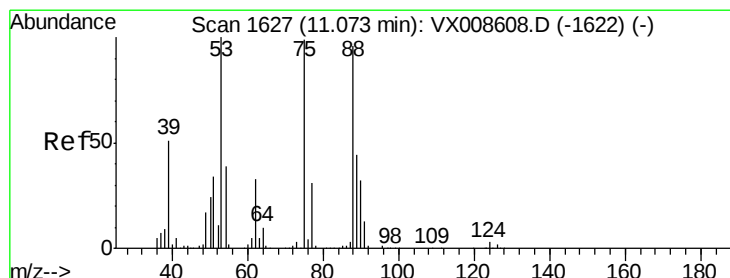
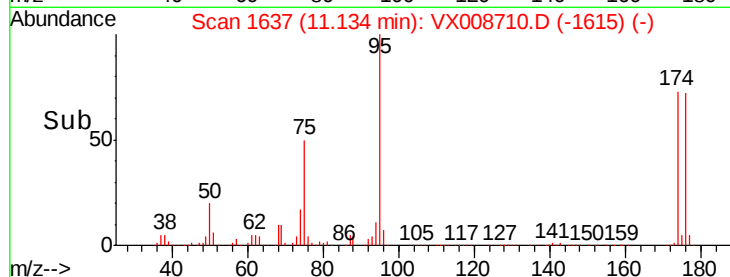
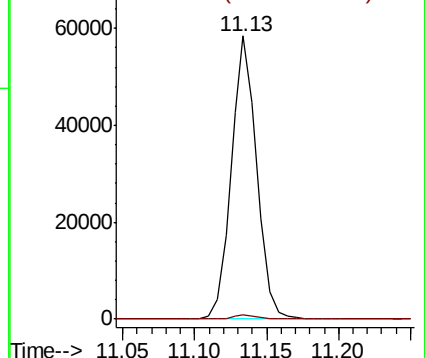
75 100

77 1.4 22.3 66.8#



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: 58.750 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008710.D

Acq: 06 Apr 2019 11:01

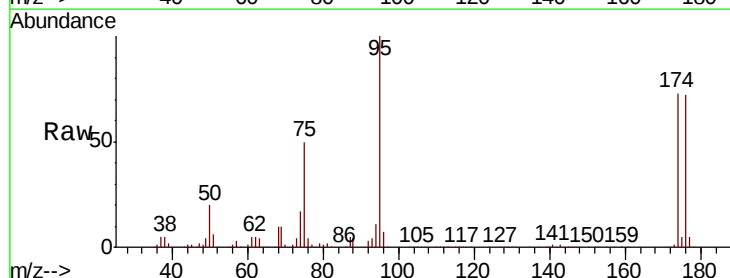
Tgt Ion: 75 Resp: 71915

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#



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

