

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040819\
 Data File : VX008738.D
 Acq On : 08 Apr 2019 12:19
 Operator : JC/SP
 Sample : VX0408WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBL01

Quant Time: Apr 09 06:42:50 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	5.67	168	203664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	342382	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	283667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115881	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	139683	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
35) Dibromofluoromethane	5.50	113	103931	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
50) Toluene-d8	8.71	98	422579	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	11.13	95	135137	43.72	ug/l	0.00
Spiked Amount			Recovery	=	87.44%	

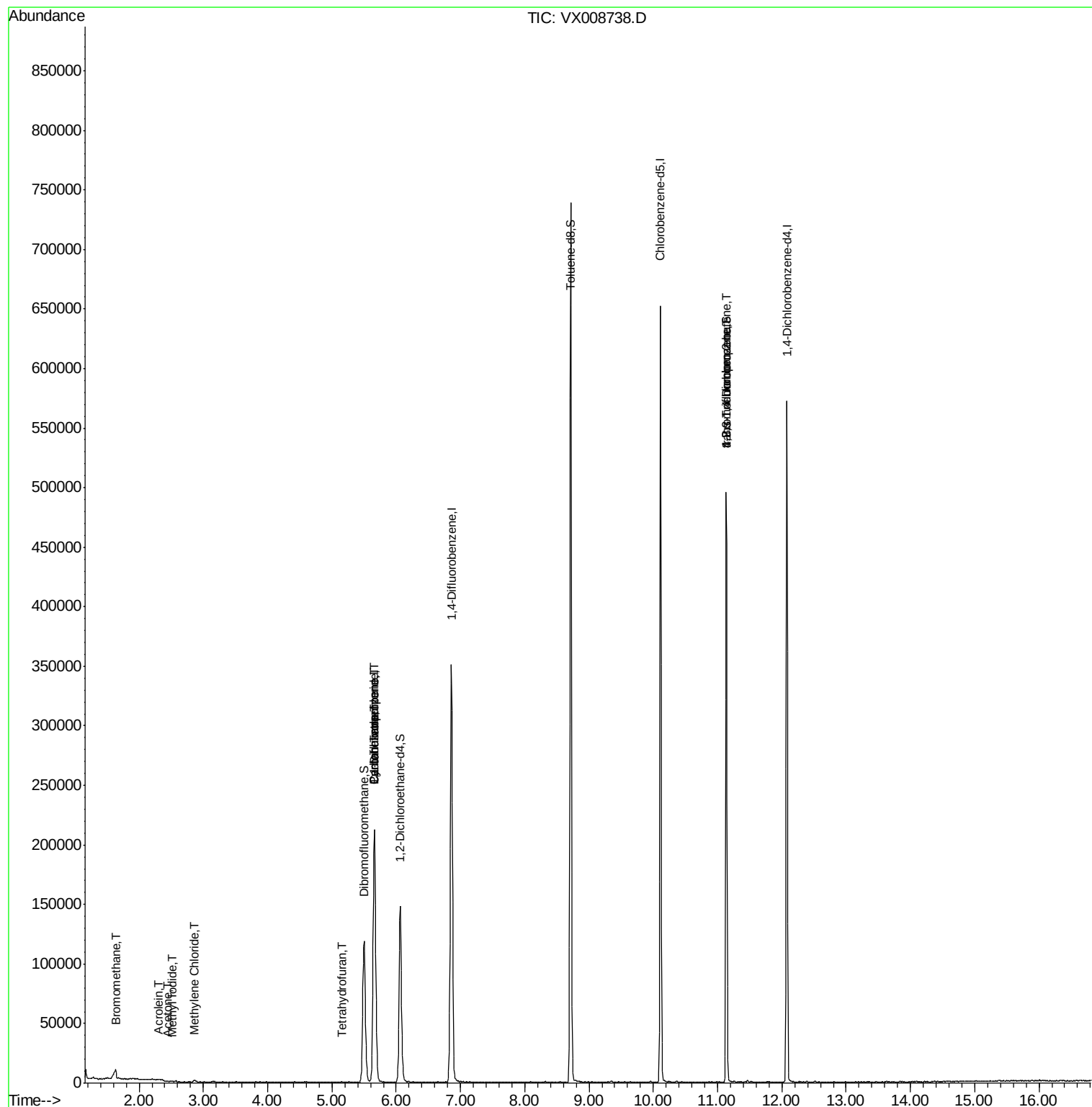
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	414	Below Cal	#	80
5) Bromomethane	1.64	94	621	2.268	ug/l	99
6) Chloroethane	1.71	64	74	Below Cal	#	43
10) Methyl Iodide	2.51	142	263	4.121	ug/l #	84
13) Acrolein	2.29	56	305	0.884	ug/l	94
16) Acetone	2.44	43	508	0.297	ug/l	89
17) Carbon Disulfide	2.57	76	982	Below Cal	#	84
20) Methylene Chloride	2.86	84	589	0.206	ug/l #	81
28) Bromochloromethane	5.01	49	116	Below Cal	#	22
29) Tetrahydrofuran	5.15	42	382	0.213	ug/l #	38
31) Cyclohexane	5.66	56	4499	0.877	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16175	4.322	ug/l #	51
38) Carbon Tetrachloride	5.66	117	19717	6.365	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	67921	21.336	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	67921	58.814	ug/l #	9

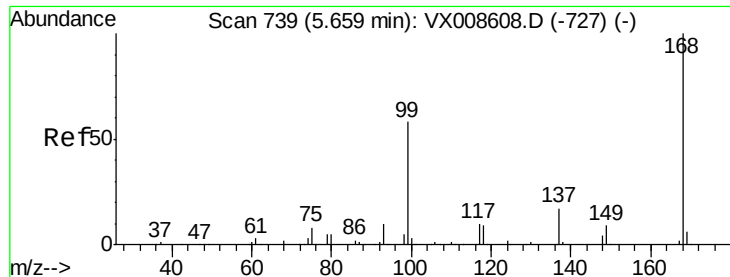
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampled :
VX0408WBL01

Quant Time: Apr 09 06:42:50 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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008738.D

Acq: 08 Apr 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

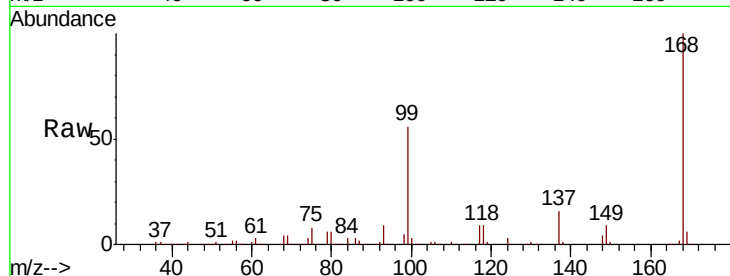
VX0408WBL01

Tot Ion:168 Resp: 203664

Ion Ratio Lower Upper

168 100

99 56.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

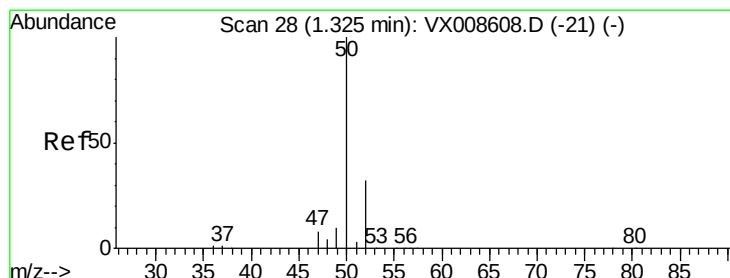
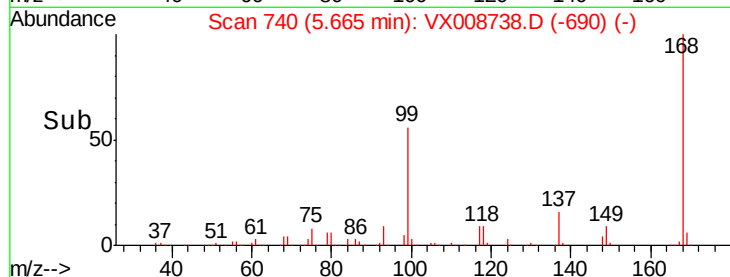
40000

20000

0

Time-->

5.60 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008738.D

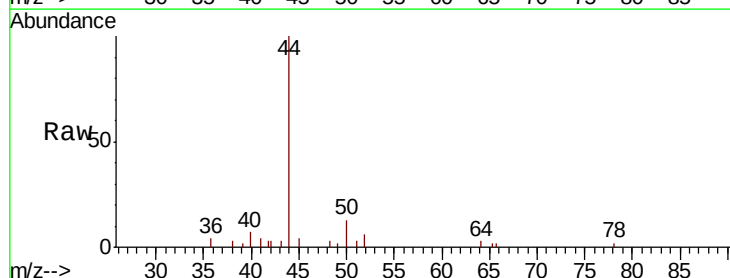
Acq: 08 Apr 2019 12:19

Tgt Ion: 50 Resp: 414

Ion Ratio Lower Upper

50 100

52 43.5 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

300

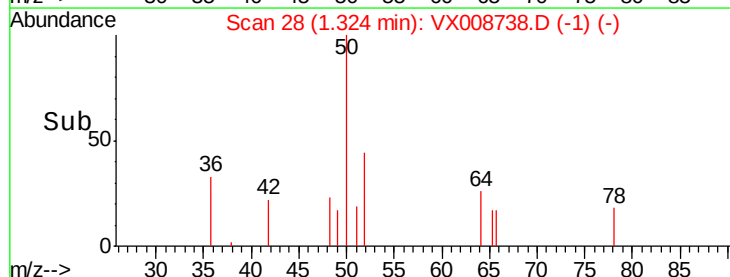
200

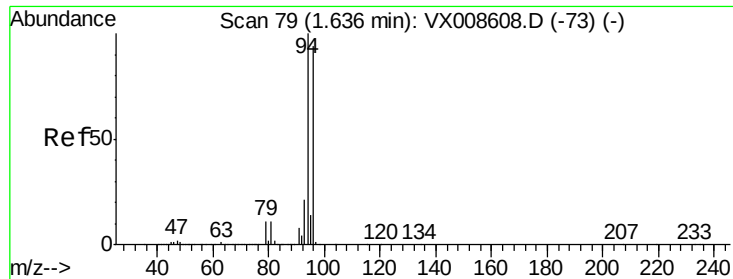
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 2.268 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008738.D

Acq: 08 Apr 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

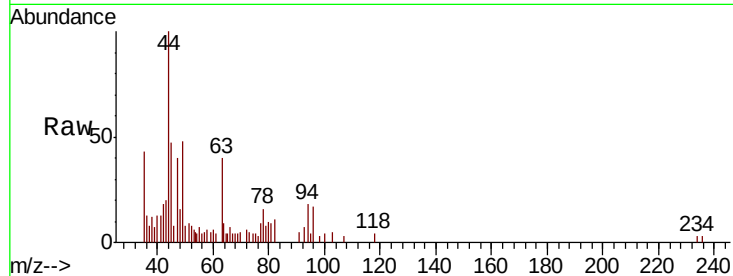
VX0408WBL01

Tot Ion: 94 Resp: 621

Ion Ratio Lower Upper

94 100

96 95.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

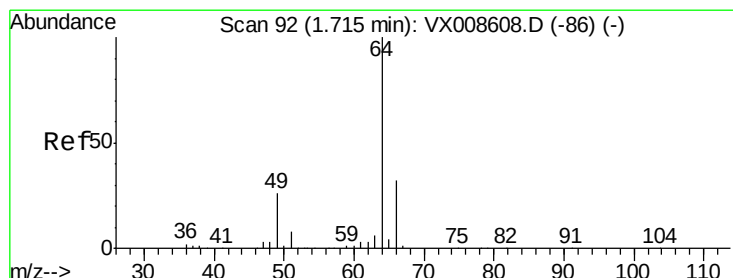
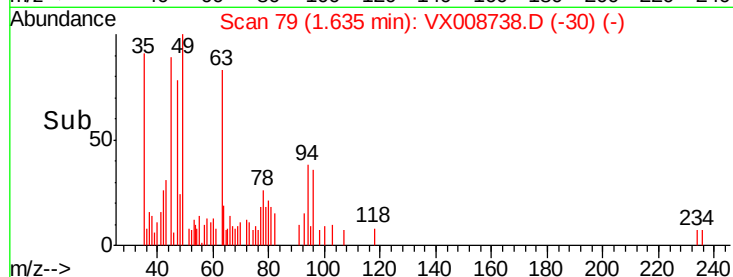
200

100

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008738.D

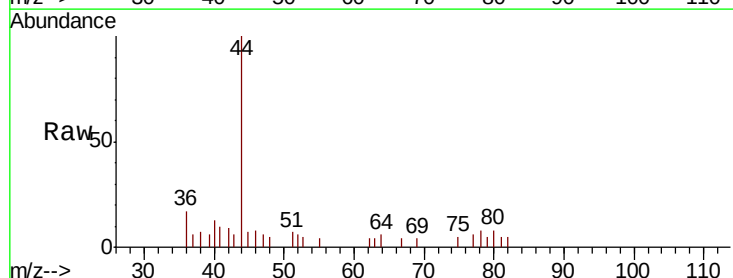
Acq: 08 Apr 2019 12:19

Tgt Ion: 64 Resp: 74

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

1.71

150

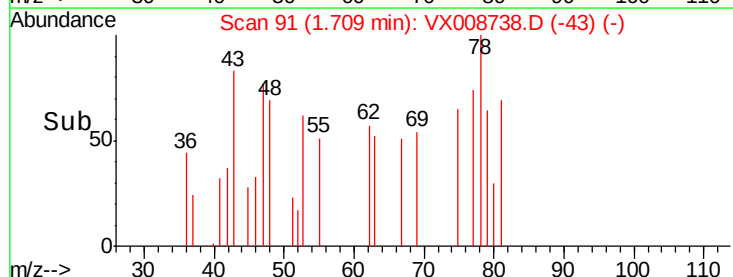
100

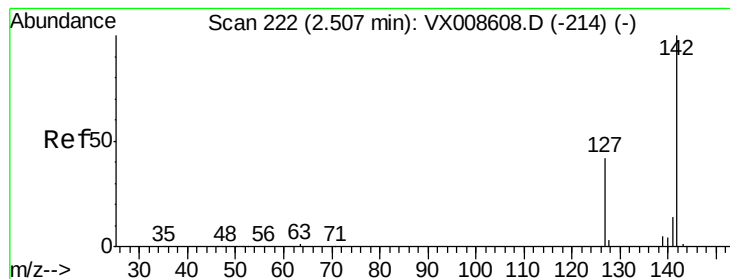
50

0

1.70 1.71 1.72

Time-->

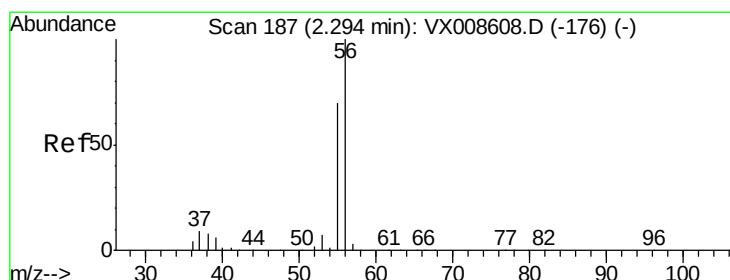
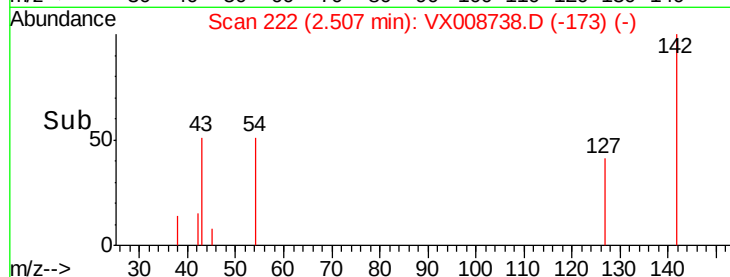
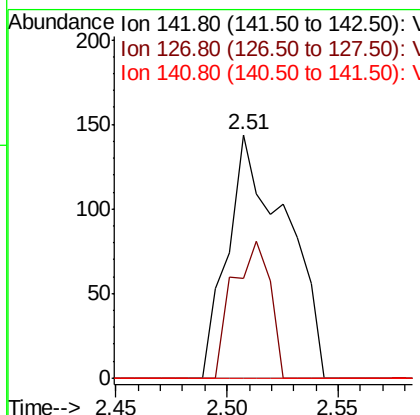
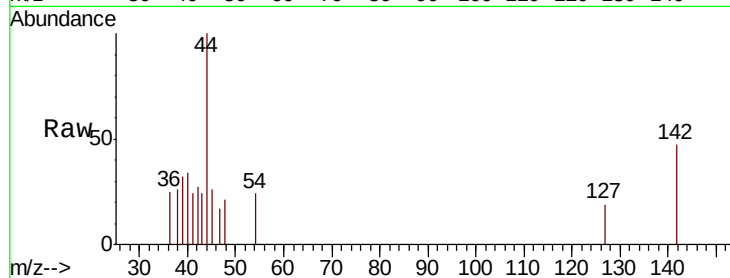




#10
Methvl Iodide
Concen: 4.121 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008738.D
Acq: 08 Apr 2019 12:19

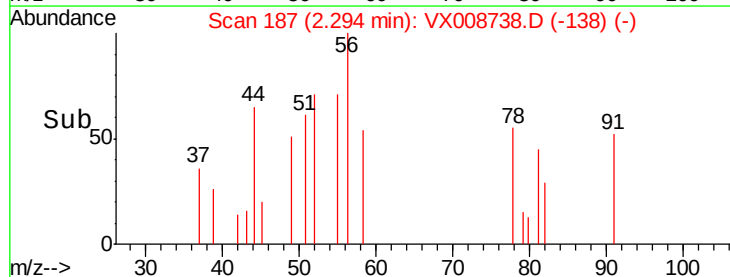
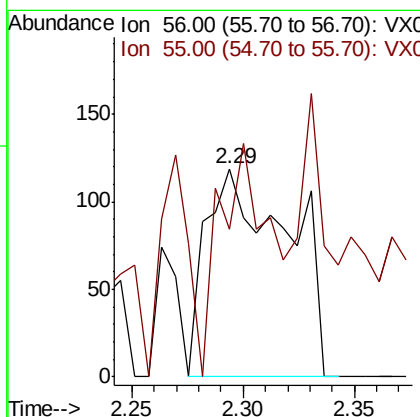
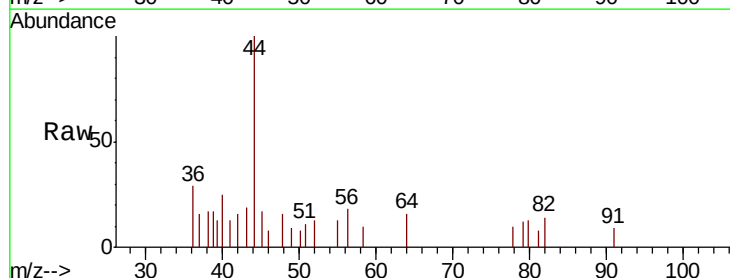
Instrument :
MSVOA_X
ClientSampleId :
VX0408WBL01

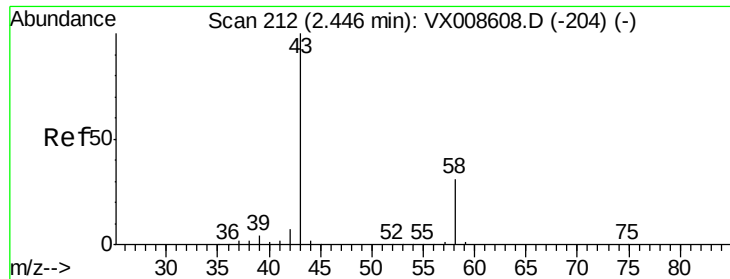
Tot Ion:142 Resp: 263
Ion Ratio Lower Upper
142 100
127 35.7 33.0 49.6
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 0.884 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008738.D
Acq: 08 Apr 2019 12:19

Tgt Ion: 56 Resp: 305
Ion Ratio Lower Upper
56 100
55 67.9 58.0 87.0





#16

Acetone

Concen: 0.297 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008738.D

Acq: 08 Apr 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

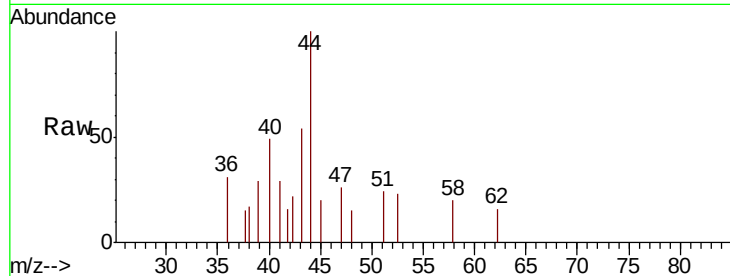
VX0408WBL01

Tot Ion: 43 Resp: 508

Ion Ratio Lower Upper

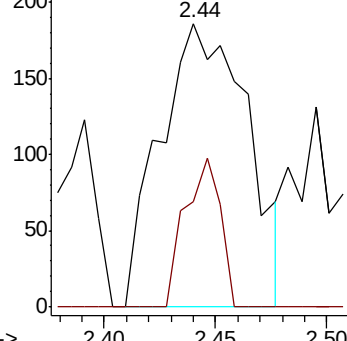
43 100

58 37.1 24.8 37.2

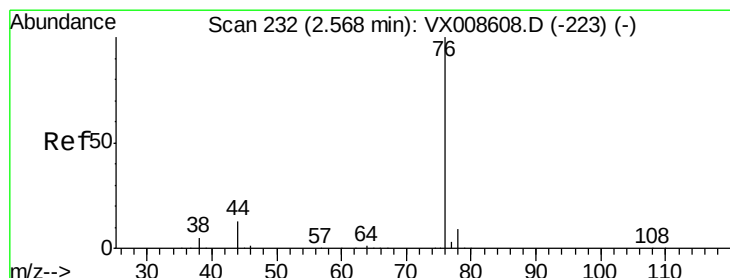
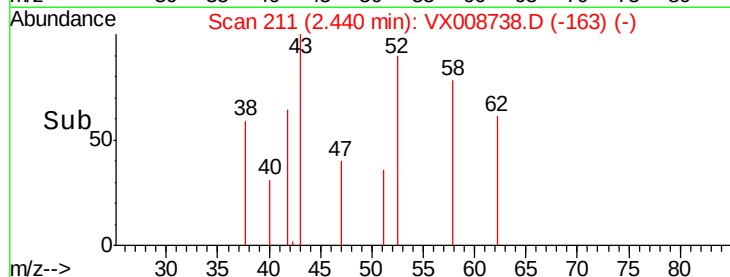


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008738.D

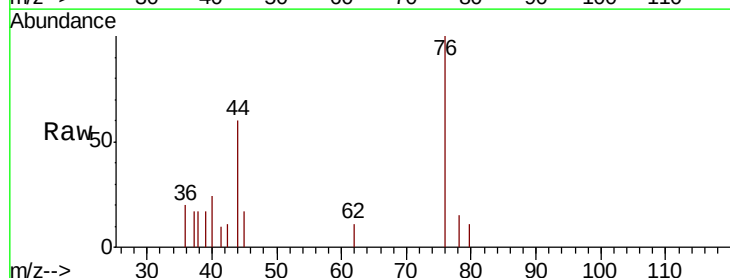
Acq: 08 Apr 2019 12:19

Tgt Ion: 76 Resp: 982

Ion Ratio Lower Upper

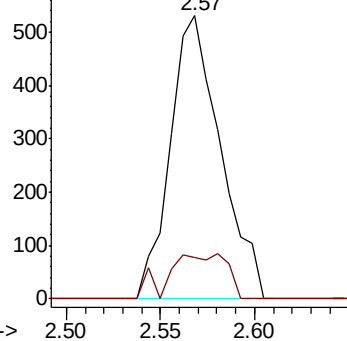
76 100

78 14.7 7.1 10.7#

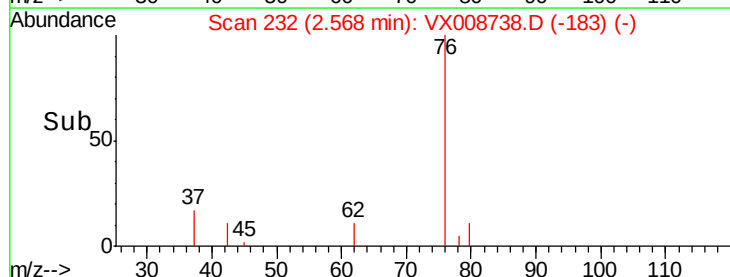


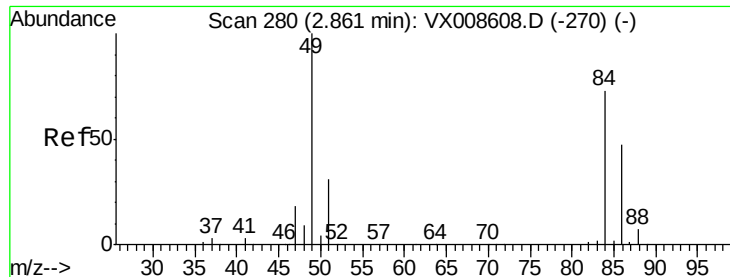
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->

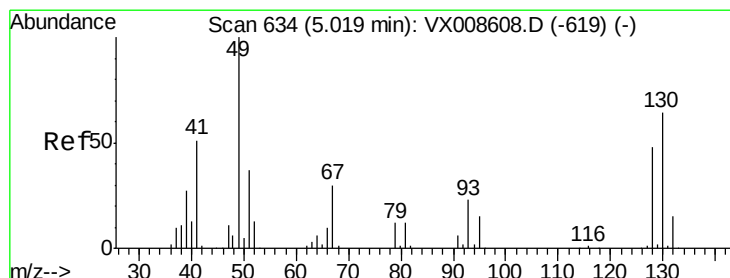
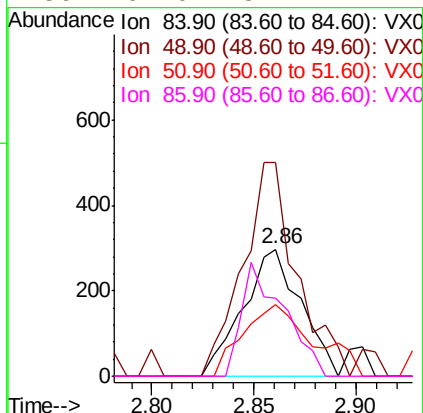
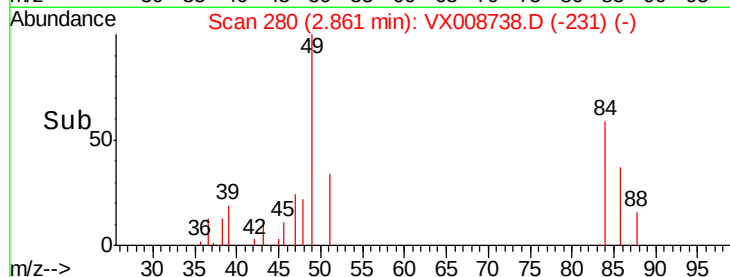
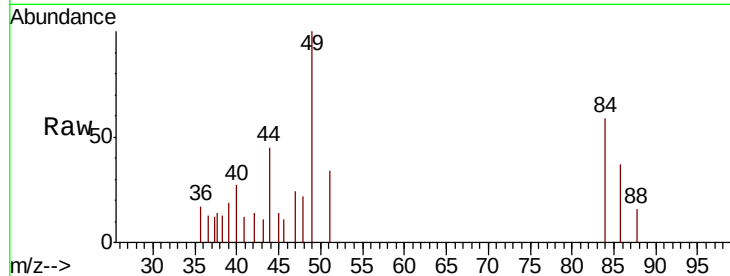




#20
Methylene Chloride
Concen: 0.206 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008738.D
Acq: 08 Apr 2019 12:19

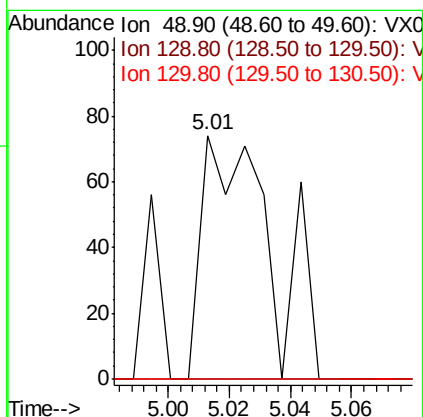
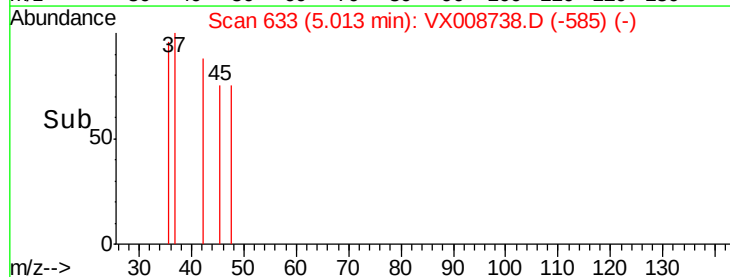
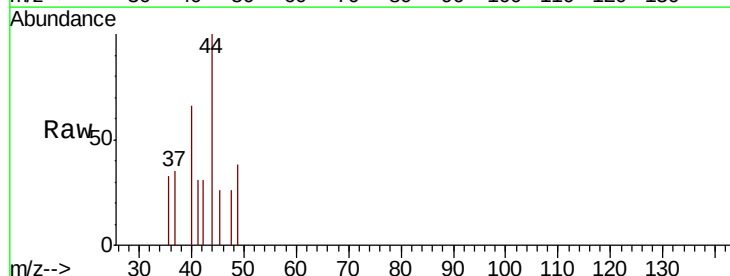
Instrument :
MSVOA_X
ClientSampleId :
VX0408WBL01

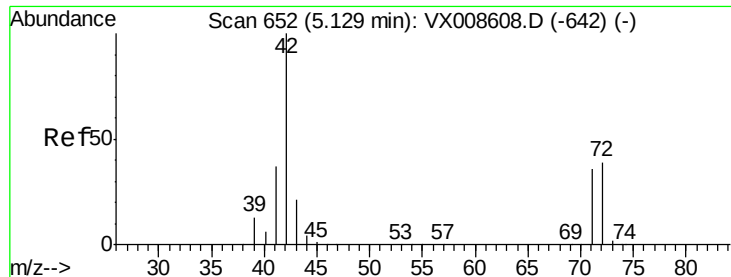
Tot Ion: 84 Resp: 589
Ion Ratio Lower Upper
84 100
49 168.4 109.7 164.5#
51 56.6 33.6 50.4#
86 62.0 51.4 77.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008738.D
Acq: 08 Apr 2019 12:19

Tgt Ion: 49 Resp: 116
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#

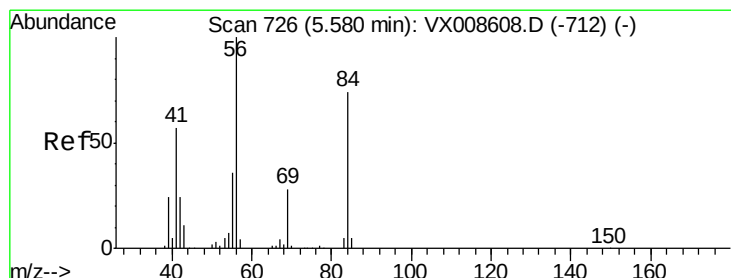
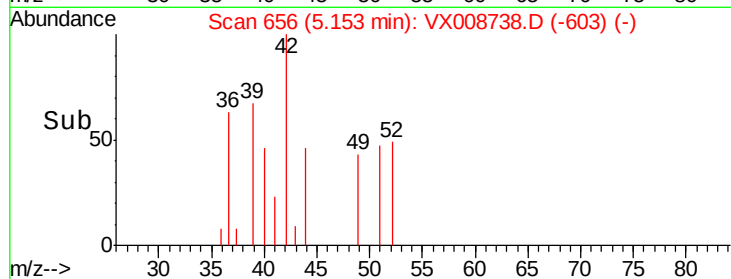
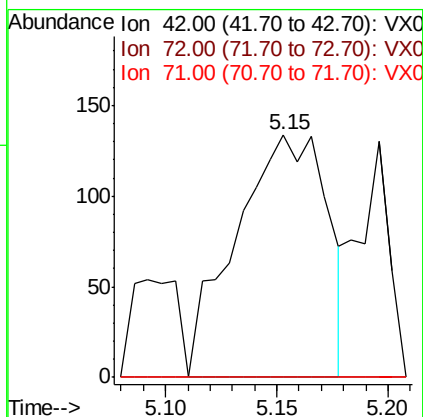
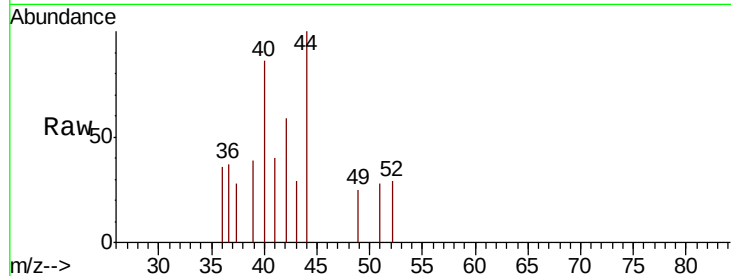




#29
Tetrahydrofuran
Concen: 0.213 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.02 min
Lab File: VX008738.D
Acq: 08 Apr 2019 12:19

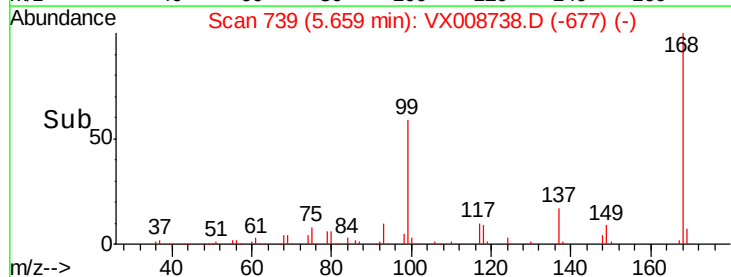
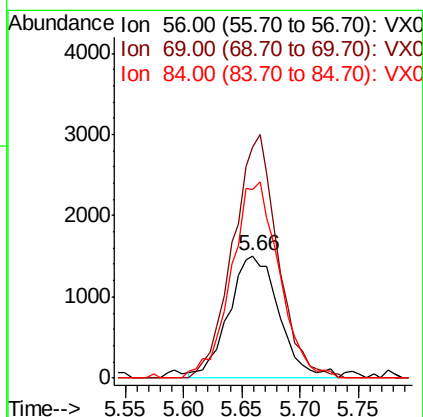
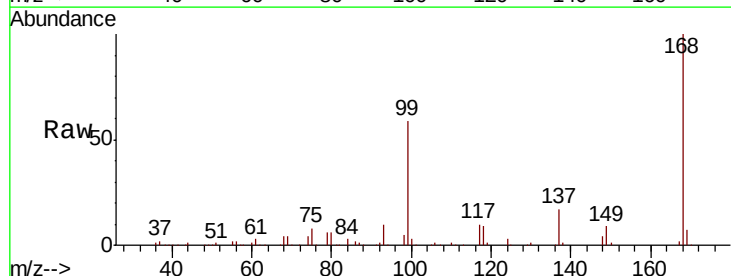
Instrument :
MSVOA_X
ClientSampleId :
VX0408WBL01

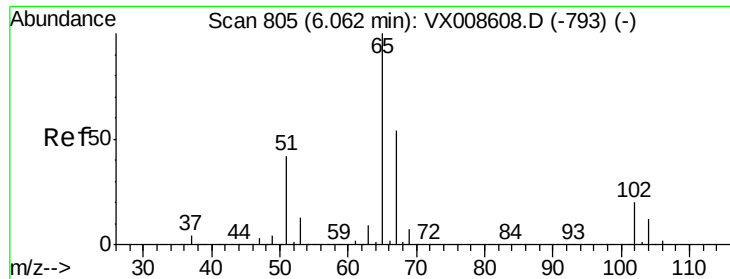
Tot Ion: 42 Resp: 382
Ion Ratio Lower Upper
42 100
72 0.0 30.5 45.7#
71 0.0 28.6 43.0#



#31
Cyclohexane
Concen: 0.877 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008738.D
Acq: 08 Apr 2019 12:19

Tgt Ion: 56 Resp: 4499
Ion Ratio Lower Upper
56 100
69 188.1 22.6 33.8#
84 154.4 59.3 88.9#





#33

1,2-Dichloroethane-d4

Concen: 47.022 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008738.D

Acq: 08 Apr 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

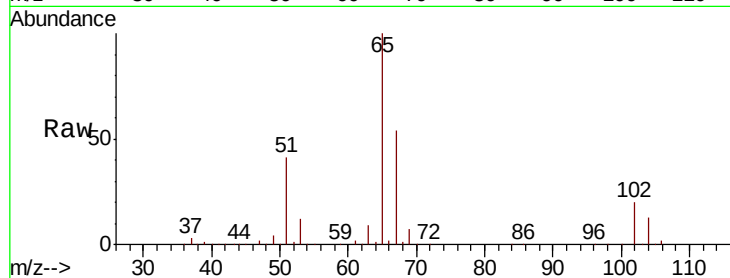
VX0408WBL01

Tot Ion: 65 Resp: 139683

Ion Ratio Lower Upper

65 100

67 54.3 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

60000

50000

40000

30000

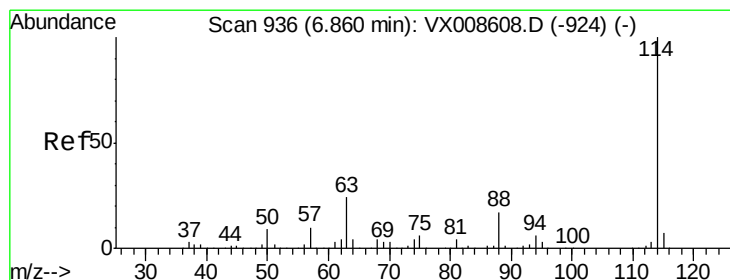
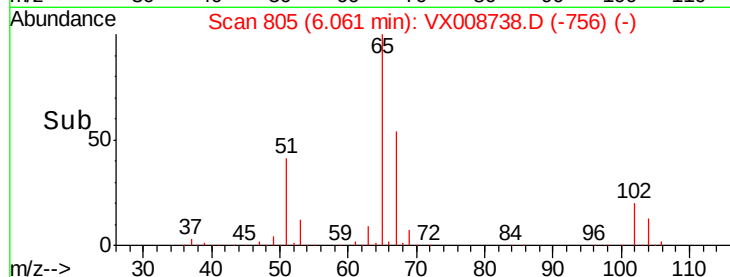
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008738.D

Acq: 08 Apr 2019 12:19

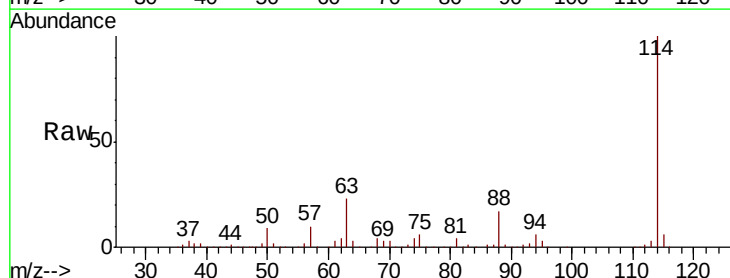
Tgt Ion: 114 Resp: 342382

Ion Ratio Lower Upper

114 100

63 22.8 0.0 47.2

88 16.8 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

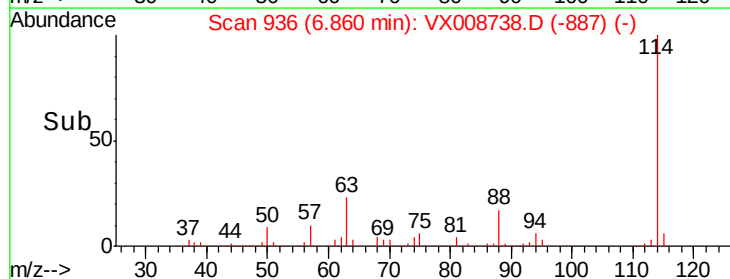
100000

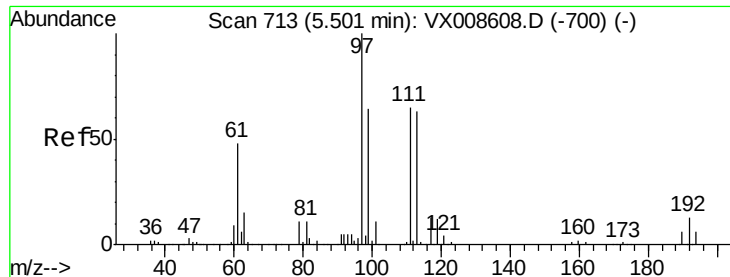
50000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 47.477 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008738.D

Acq: 08 Apr 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBL01

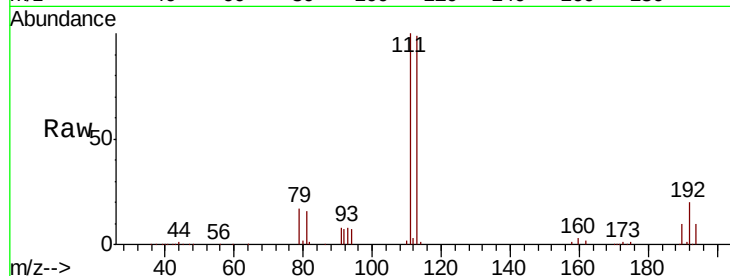
Tot Ion:113 Resp: 103931

Ion Ratio Lower Upper

113 100

111 101.6 83.4 125.2

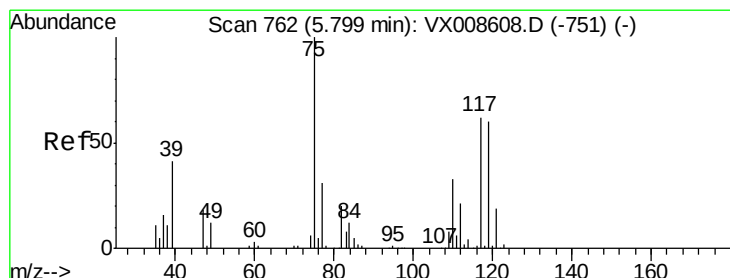
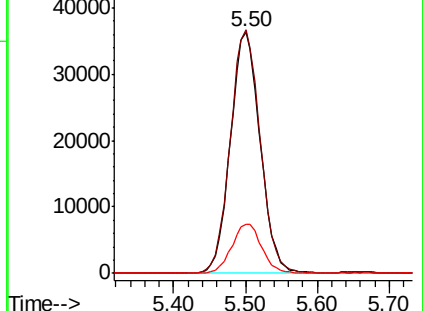
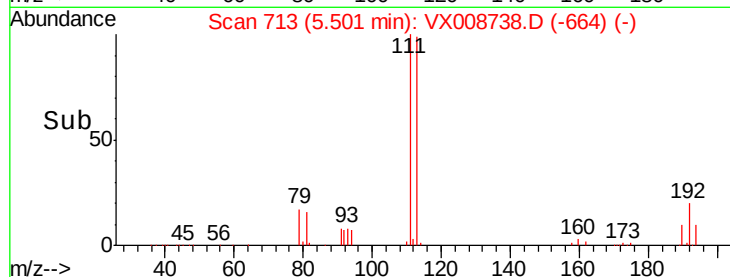
192 20.4 16.1 24.1



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: 4.322 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008738.D

Acq: 08 Apr 2019 12:19

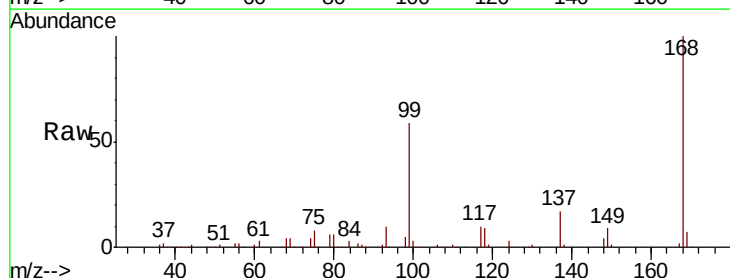
Tgt Ion: 75 Resp: 16175

Ion Ratio Lower Upper

75 100

110 9.1 16.4 49.2#

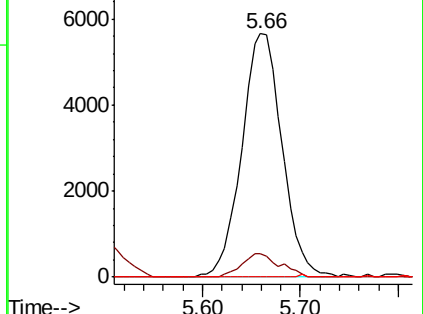
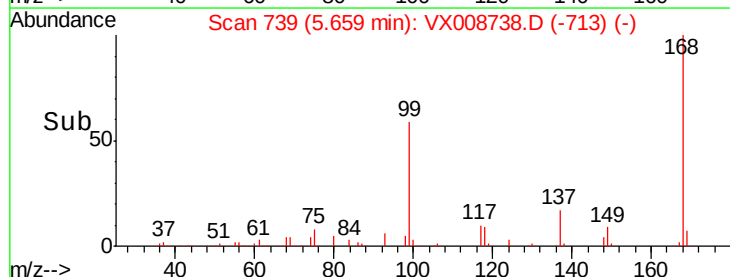
77 0.0 24.7 37.1#

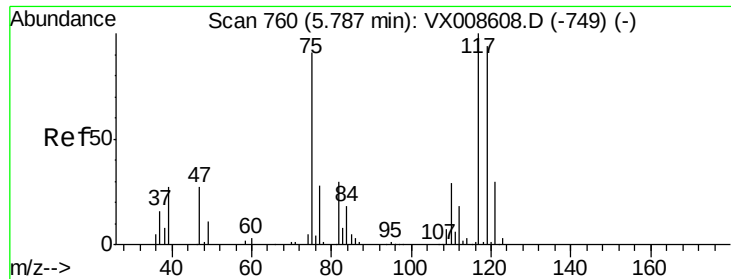


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

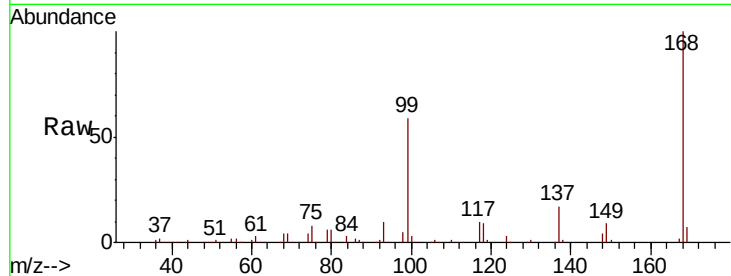




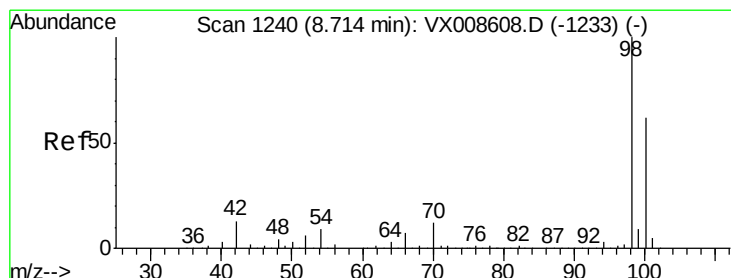
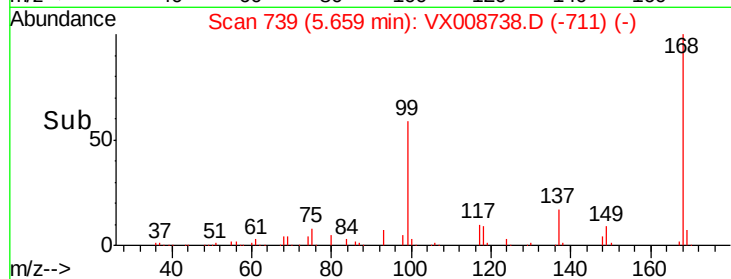
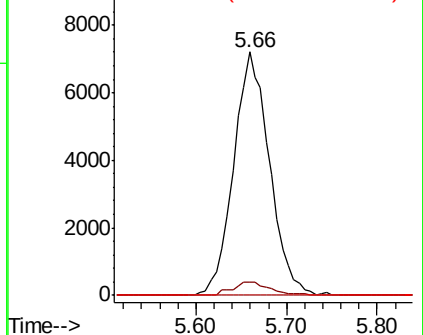
#38
Carbon Tetrachloride
Concen: 6.365 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008738.D
Acq: 08 Apr 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBL01

Tot Ion:117 Resp: 19717
Ion Ratio Lower Upper
117 100
119 5.6 75.0 112.6#
121 0.0 24.3 36.5#

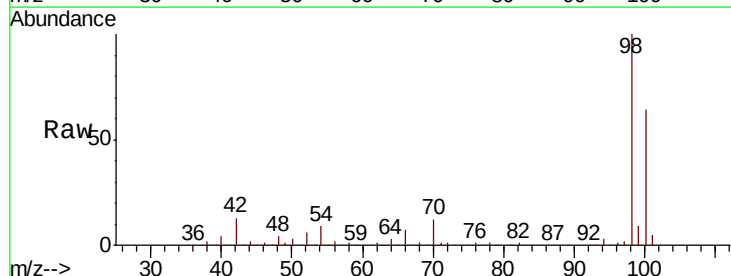


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

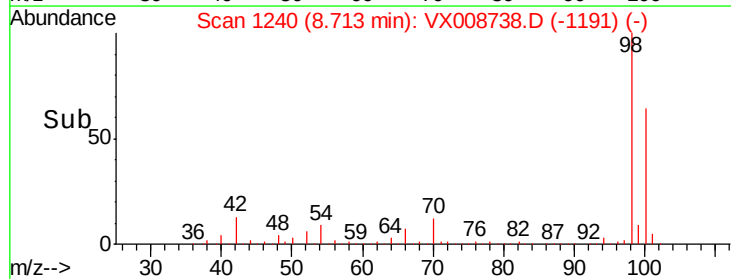
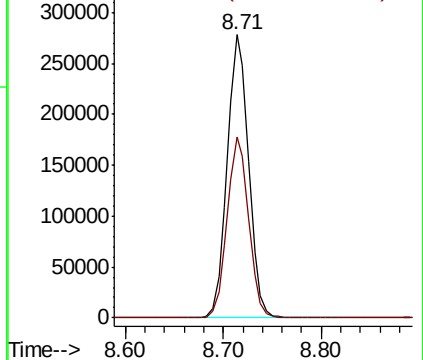


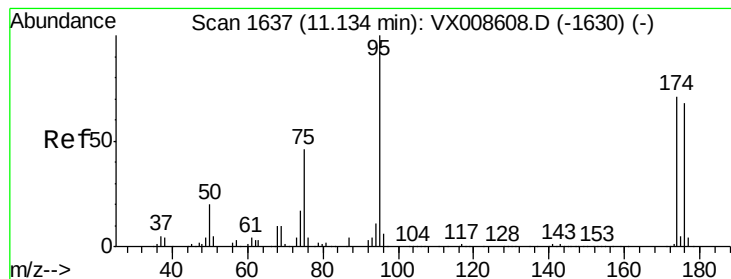
#50
Toluene-d8
Concen: 48.482 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008738.D
Acq: 08 Apr 2019 12:19

Tgt Ion: 98 Resp: 422579
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0



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





#62

4-Bromofluorobenzene

Concen: 43.721 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008738.D

Acq: 08 Apr 2019 12:19

Instrument :

MSVOA_X

ClientSampled :

VX0408WBL01

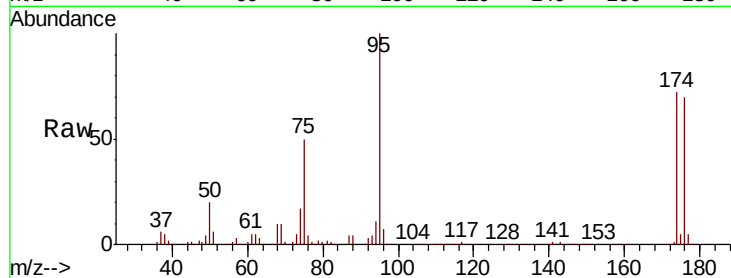
Tot Ion: 95 Resp: 135137

Ion Ratio Lower Upper

95 100

174 76.7 0.0 151.8

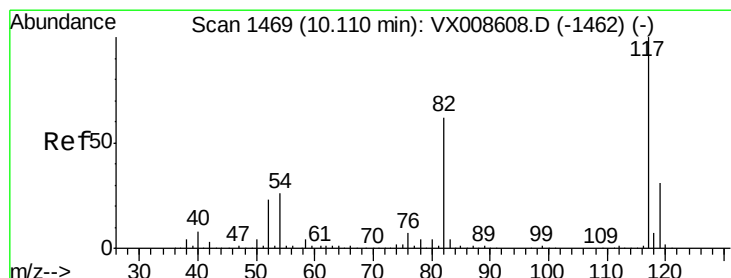
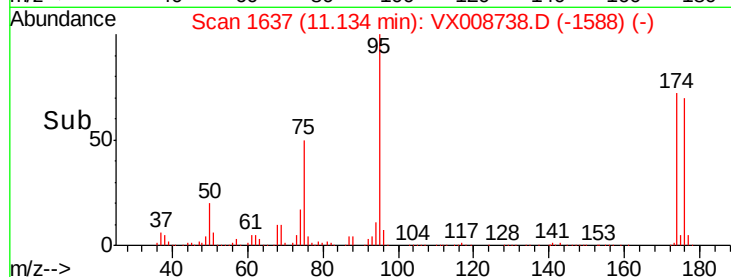
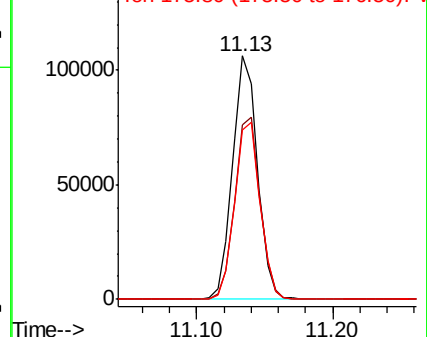
176 74.7 0.0 145.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008738.D

Acq: 08 Apr 2019 12:19

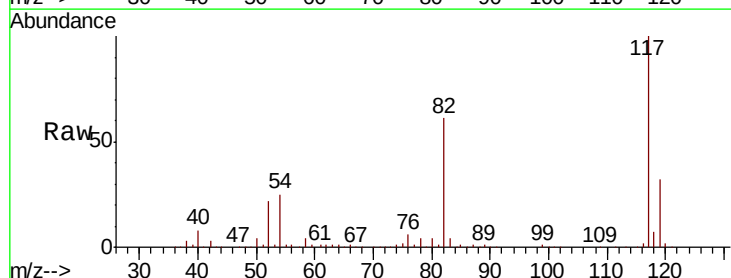
Tgt Ion: 117 Resp: 283667

Ion Ratio Lower Upper

117 100

82 60.7 49.6 74.4

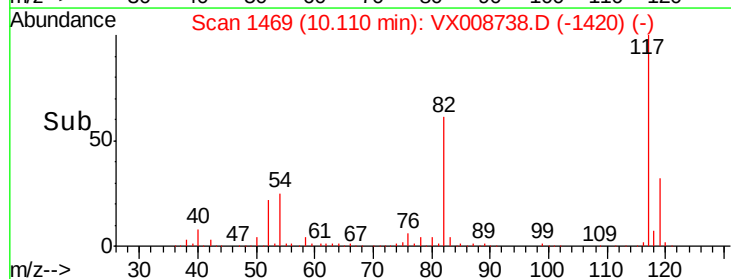
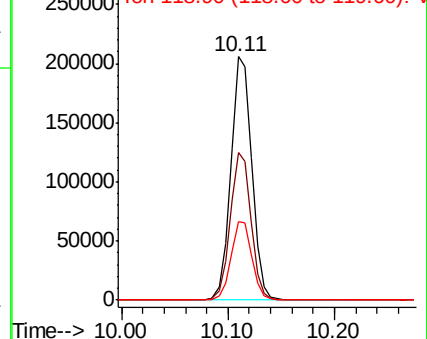
119 32.2 25.0 37.4

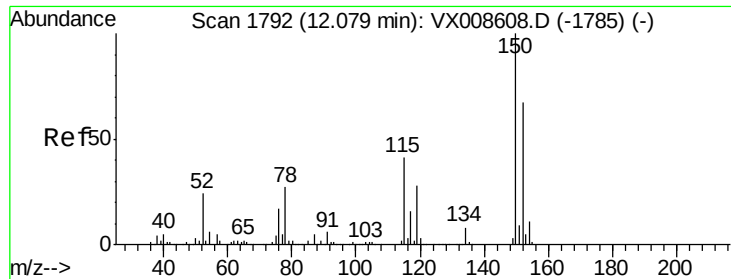


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX008738.D

Acq: 08 Apr 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBL01

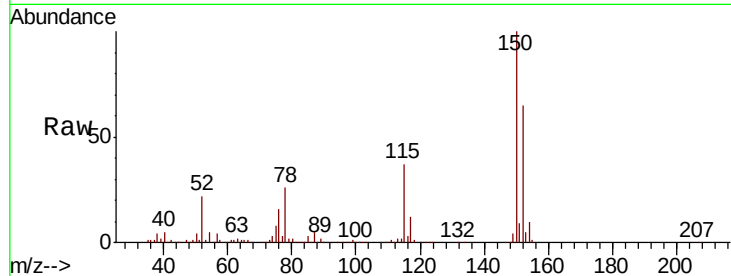
Tot Ion:152 Resp: 115881

Ion Ratio Lower Upper

152 100

115 59.0 43.5 130.5

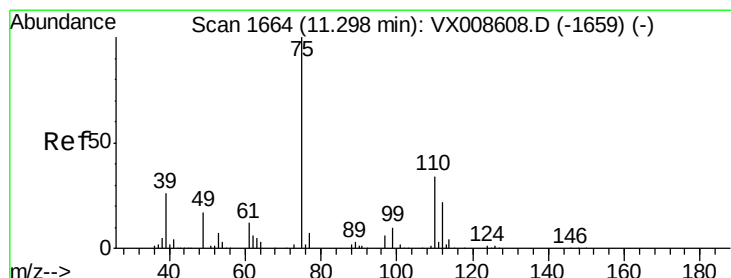
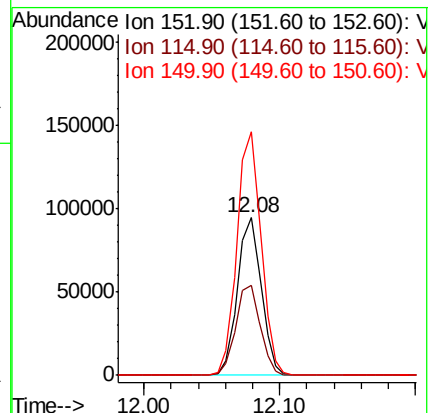
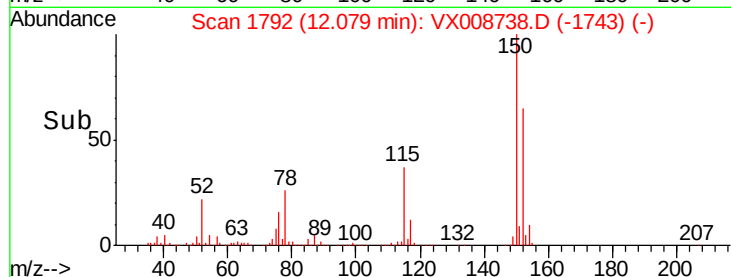
150 156.0 0.0 348.8



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: 21.336 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008738.D

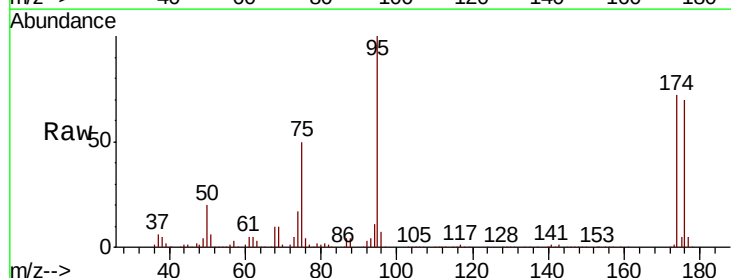
Acq: 08 Apr 2019 12:19

Tgt Ion: 75 Resp: 67921

Ion Ratio Lower Upper

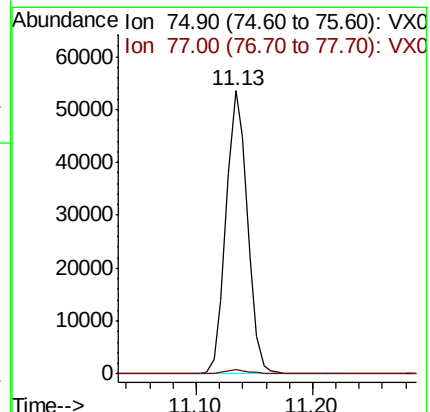
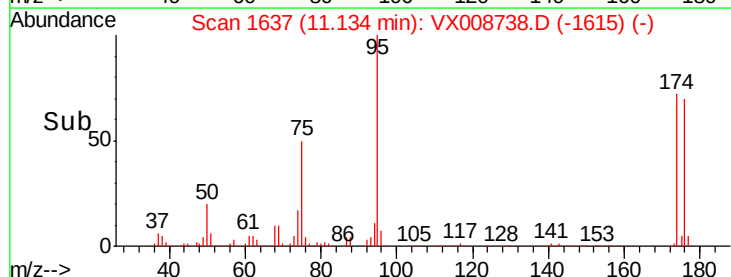
75 100

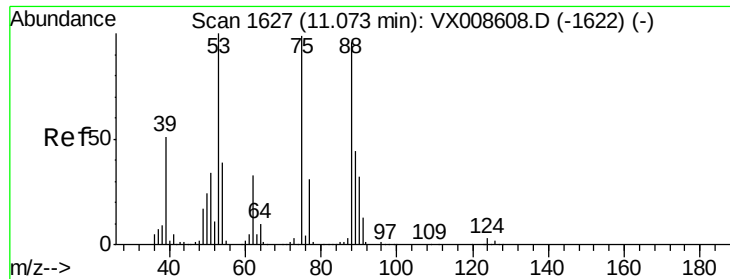
77 1.4 22.3 66.8#



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: 58.814 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008738.D

Acq: 08 Apr 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBL01

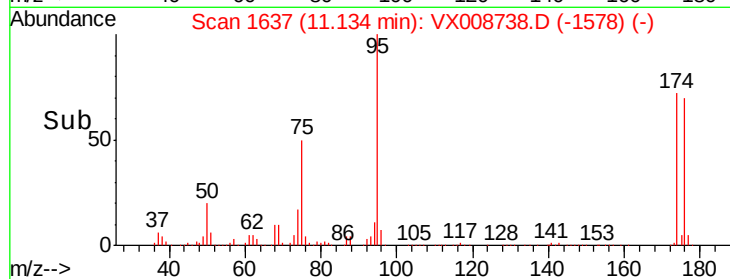
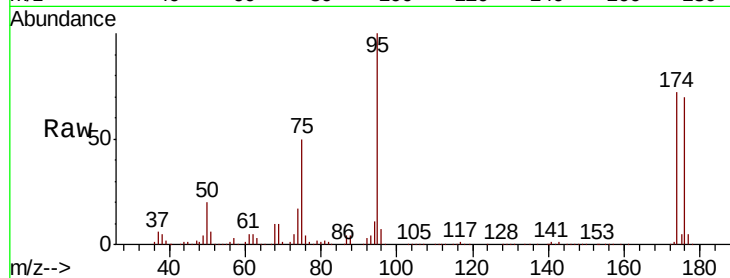
Tot Ion: 75 Resp: 67921

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

