

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070119\
 Data File : VX010578.D
 Acq On : 01 Jul 2019 10:17
 Operator : JC/SP
 Sample : VX0701WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0701WBL01

Quant Time: Jul 02 04:48:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	265280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	403918	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	362676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165314	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	125193	50.33	ug/l	0.00
Spiked Amount						
			Recovery	=	100.66%	
35) Dibromofluoromethane	5.49	113	125403	50.74	ug/l	0.00
Spiked Amount						
			Recovery	=	101.48%	
50) Toluene-d8	8.71	98	474828	50.22	ug/l	0.00
Spiked Amount						
			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	11.13	95	157156	46.04	ug/l	0.00
Spiked Amount						
			Recovery	=	92.08%	

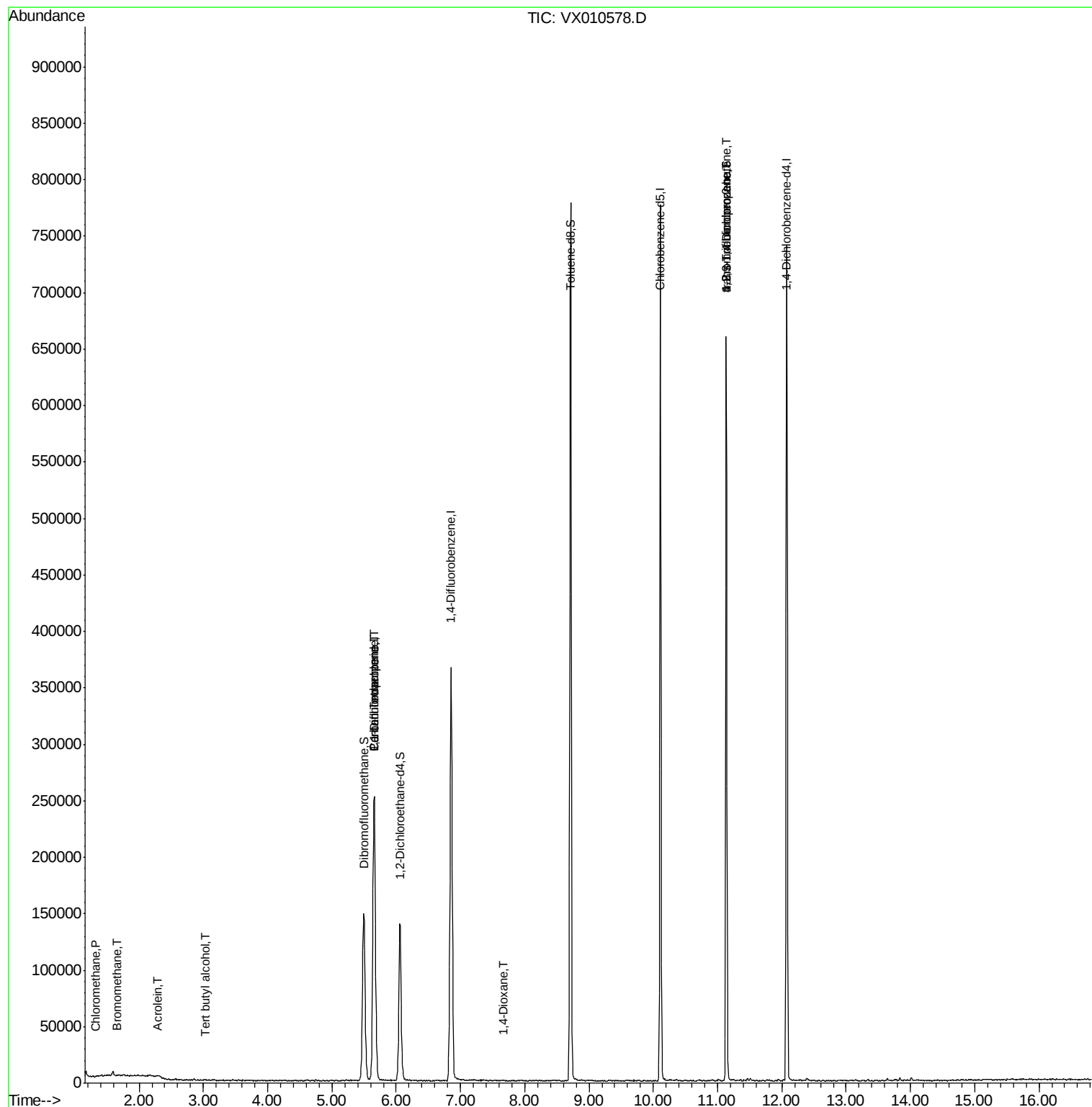
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	632	0.294	ug/l #	75
5) Bromomethane	1.66	94	661	0.577	ug/l #	61
11) Tert butyl alcohol	3.04	59	214	0.329	ug/l #	1
13) Acrolein	2.29	56	461	1.068	ug/l #	74
36) 1,1-Dichloropropene	5.65	75	16618	5.177	ug/l #	47
38) Carbon Tetrachloride	5.65	117	24166	6.953	ug/l #	15
49) 1,4-Dioxane	7.66	88	19	0.260	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	74899	24.863	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74899	58.003	ug/l #	16

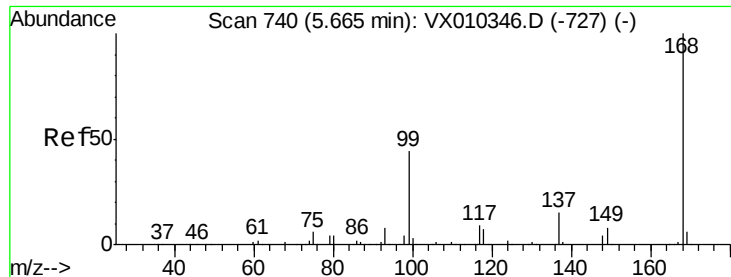
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070119\
Data File : VX010578.D
Acq On : 01 Jul 2019 10:17
Operator : JC/SP
Sample : VX0701WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0701WBL01

Quant Time: Jul 02 04:48:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010578.D

Acq: 01 Jul 2019 10:17

Instrument :

MSVOA_X

ClientSampled :

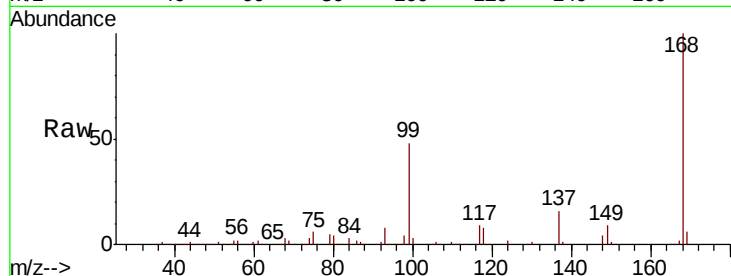
VX0701WBL01

Tot Ion:168 Resp: 265280

Ion Ratio Lower Upper

168 100

99 47.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

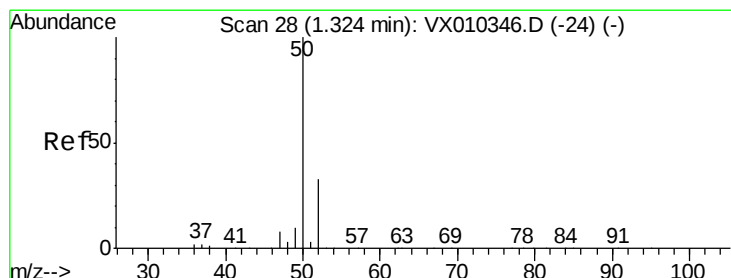
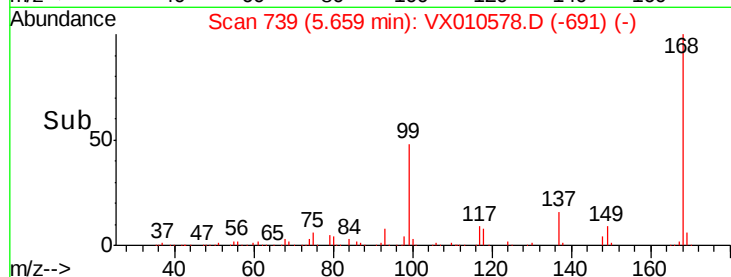
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.294 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010578.D

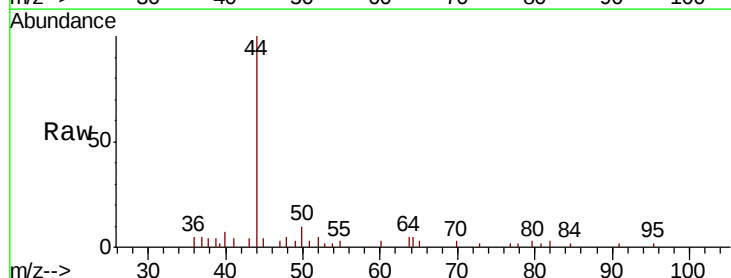
Acq: 01 Jul 2019 10:17

Tgt Ion: 50 Resp: 632

Ion Ratio Lower Upper

50 100

52 19.1 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

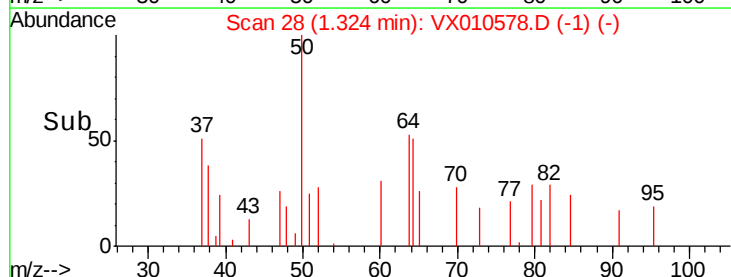
200

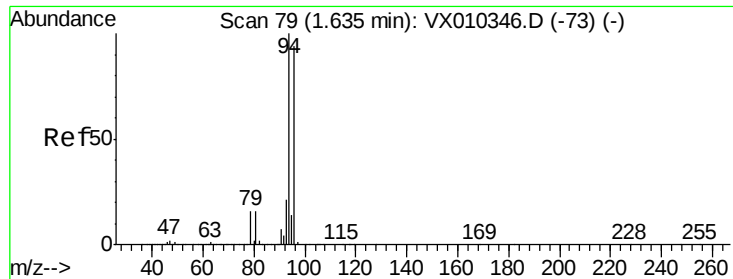
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.577 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010578.D

Acq: 01 Jul 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

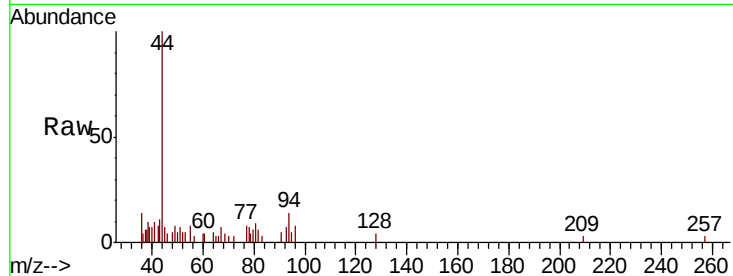
VX0701WBL01

Tot Ion: 94 Resp: 661

Ion Ratio Lower Upper

94 100

96 56.6 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

250

200

150

100

50

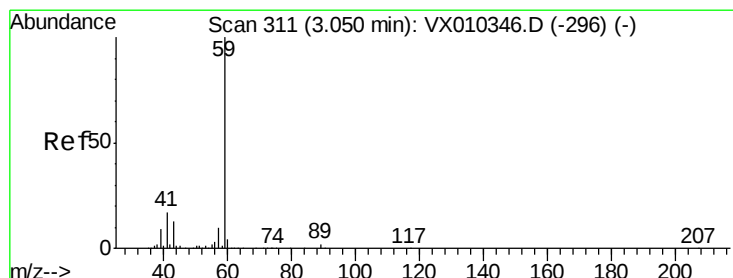
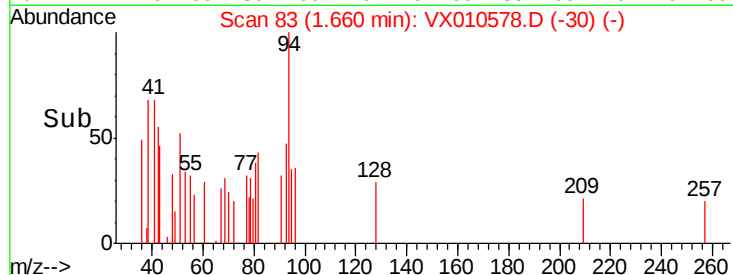
0

1.60

1.65

1.70

Time-->



#11

Tert butyl alcohol

Concen: 0.329 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX010578.D

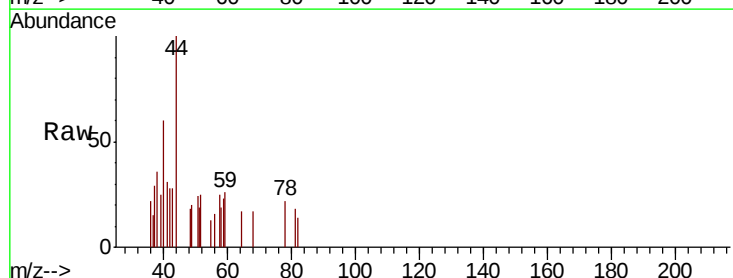
Acq: 01 Jul 2019 10:17

Tgt Ion: 59 Resp: 214

Ion Ratio Lower Upper

59 100

57 74.8 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

200

150

100

50

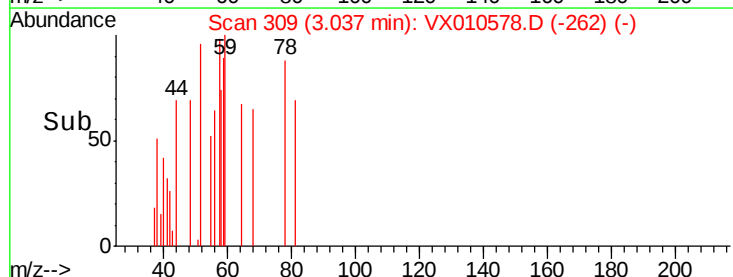
0

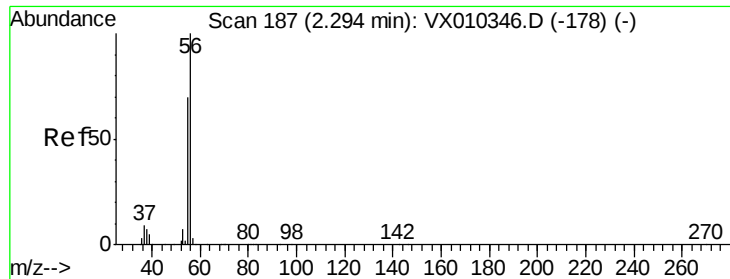
3.04

3.05

3.10

Time-->





#13

Acrolein

Concen: 1.068 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010578.D

Acq: 01 Jul 2019 10:17

Instrument :

MSVOA_X

ClientSampled :

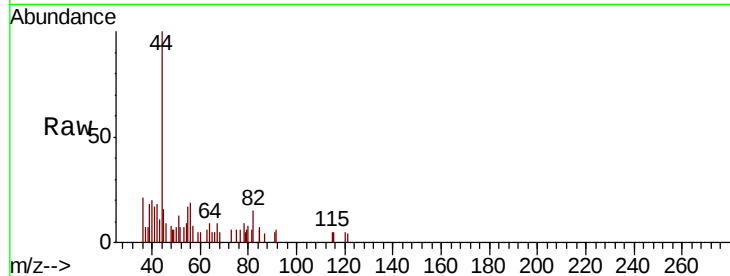
VX0701WBL01

Tot Ion: 56 Resp: 461

Ion Ratio Lower Upper

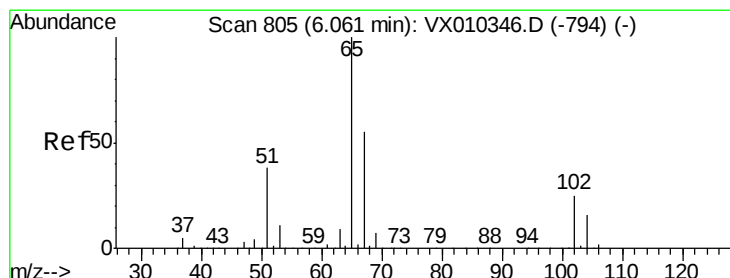
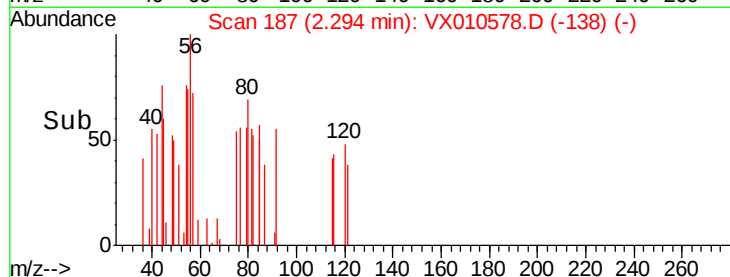
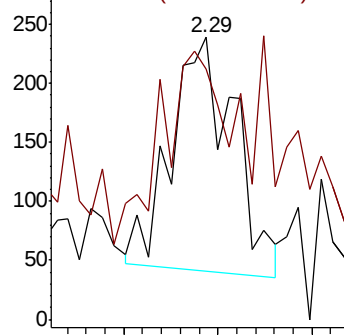
56 100

55 49.9 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.334 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010578.D

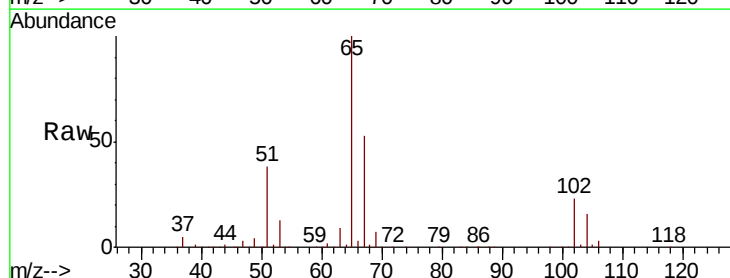
Acq: 01 Jul 2019 10:17

Tgt Ion: 65 Resp: 125193

Ion Ratio Lower Upper

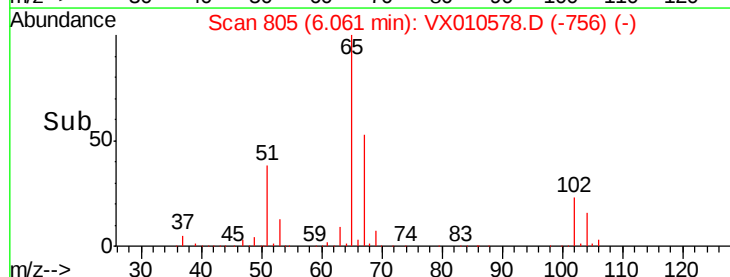
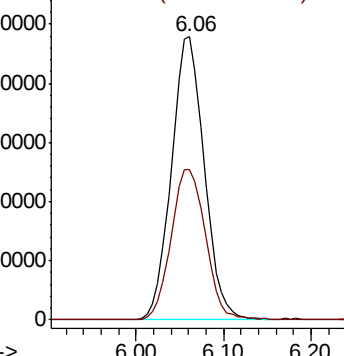
65 100

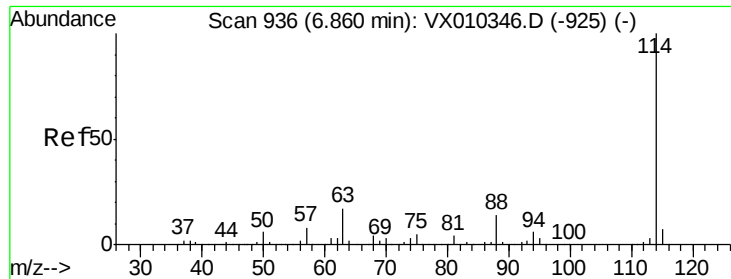
67 55.6 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

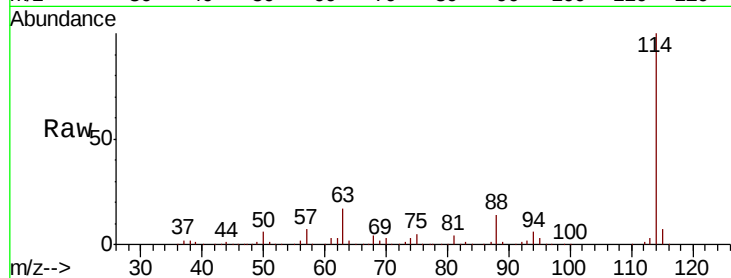




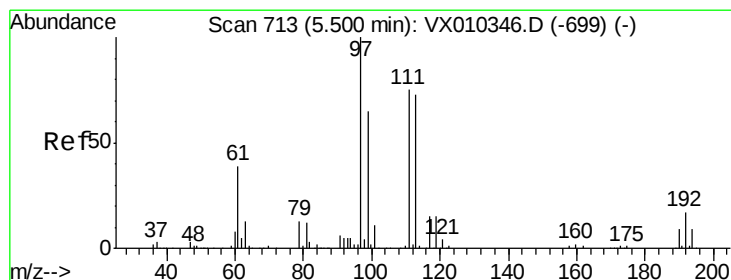
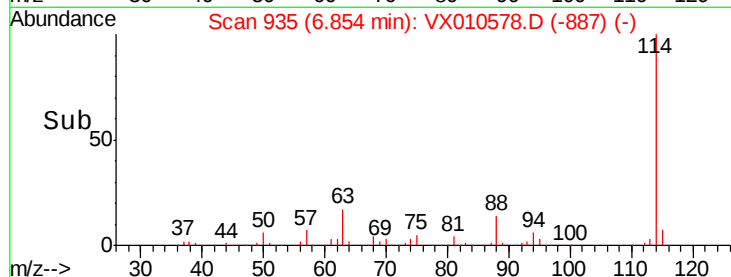
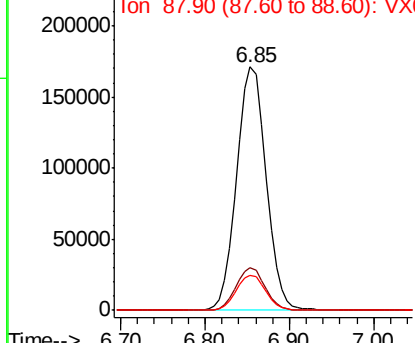
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX010578.D
Acq: 01 Jul 2019 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0701WBL01

Tot Ion:114 Resp: 403918
Ion Ratio Lower Upper
114 100
63 17.4 0.0 33.8
88 14.2 0.0 27.6

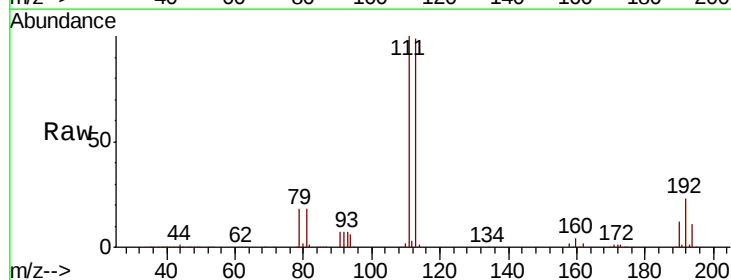


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

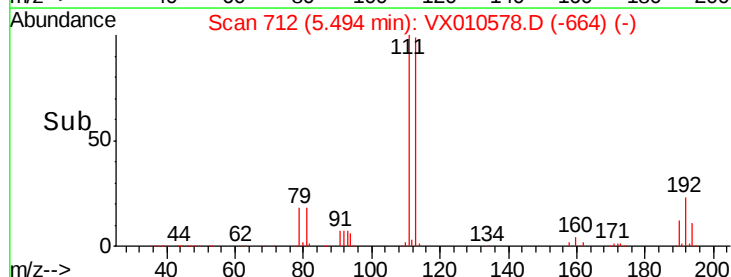
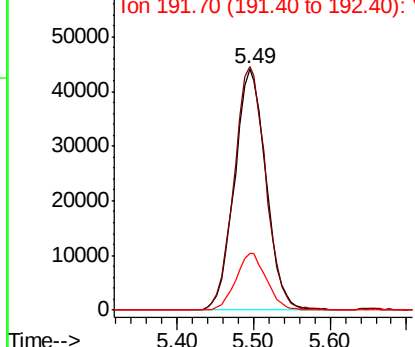


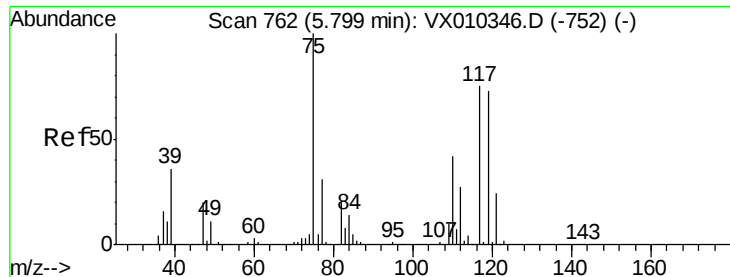
#35
Dibromofluoromethane
Concen: 50.743 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010578.D
Acq: 01 Jul 2019 10:17

Tgt Ion:113 Resp: 125403
Ion Ratio Lower Upper
113 100
111 101.8 81.2 121.8
192 23.0 18.6 27.8



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

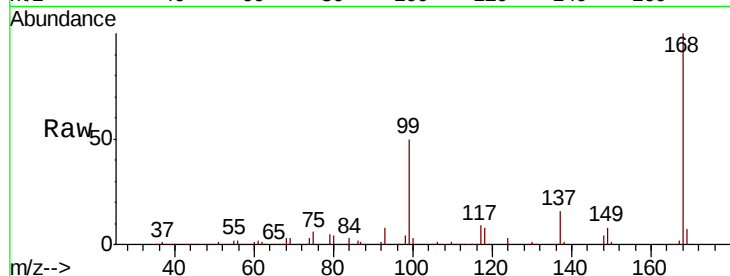




#36
 1,1-Dichloropropene
 Concen: 5.177 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010578.D
 Acq: 01 Jul 2019 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0701WBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	20.8	62.2#
77	0.0	25.4	38.0#

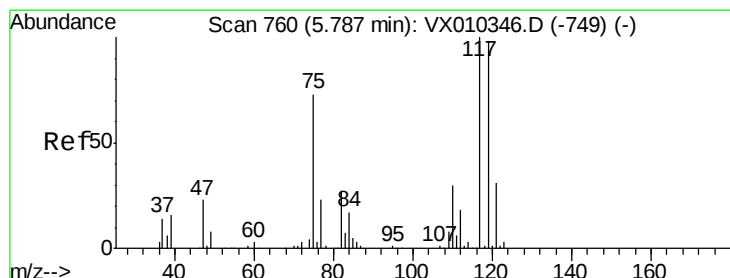
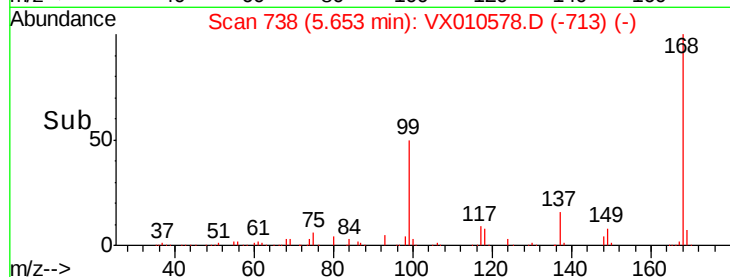
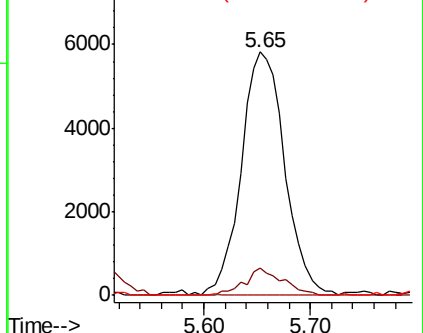


Abundance

Ion 74.90 (74.60 to 75.60): VX0

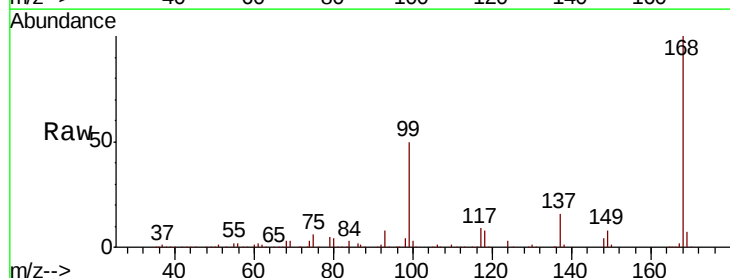
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38
 Carbon Tetrachloride
 Concen: 6.953 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX010578.D
 Acq: 01 Jul 2019 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	78.2	117.4#
121	0.0	24.7	37.1#

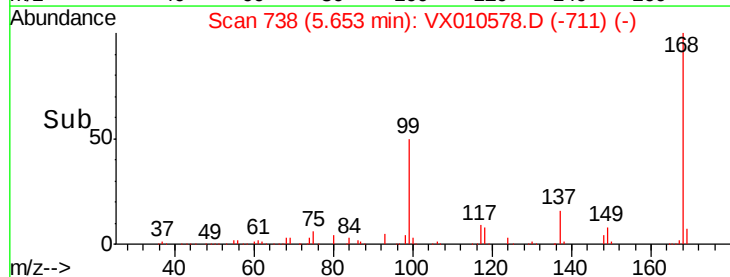
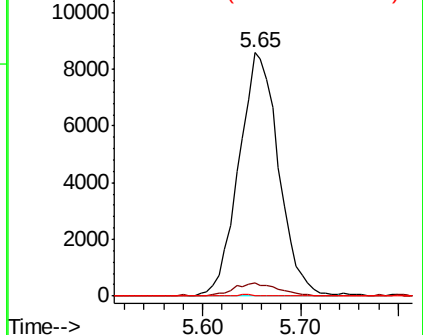


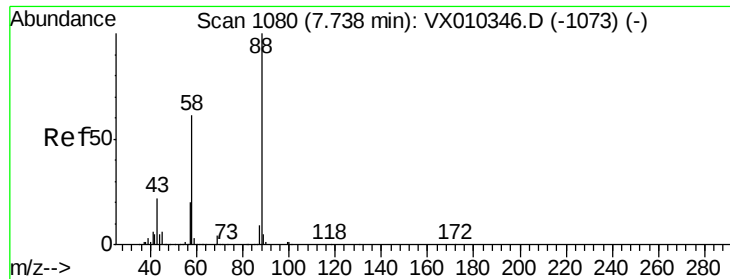
Abundance

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: 0.260 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.07 min

Lab File: VX010578.D

Acq: 01 Jul 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX0701WBL01

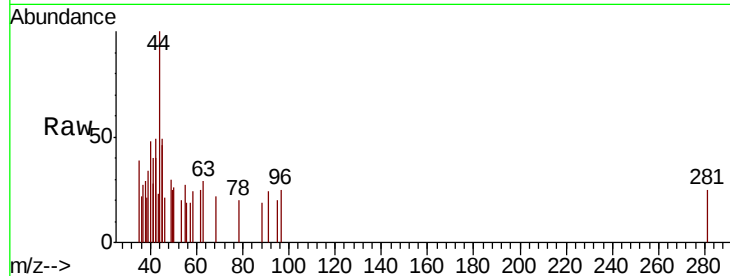
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 789.5 20.2 30.2#

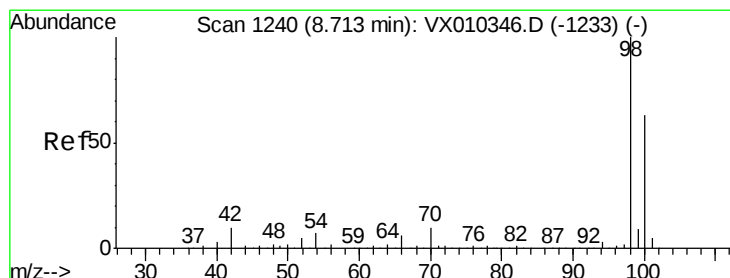
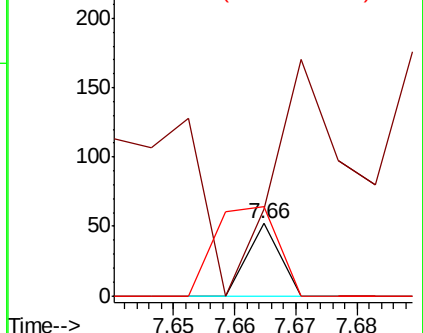
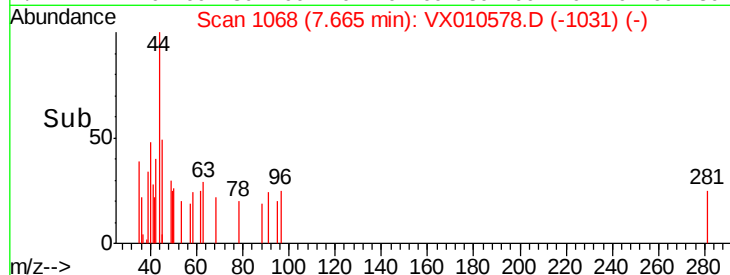
58 242.1 49.5 74.3#



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: 50.221 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010578.D

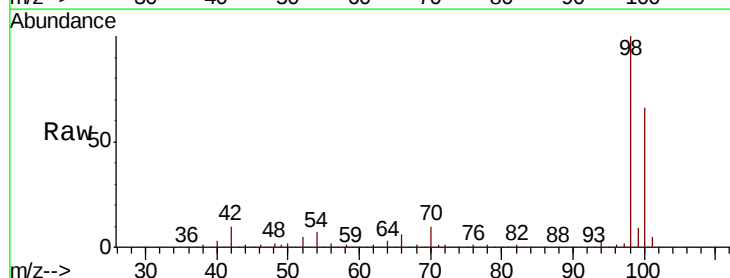
Acq: 01 Jul 2019 10:17

Tgt Ion: 98 Resp: 474828

Ion Ratio Lower Upper

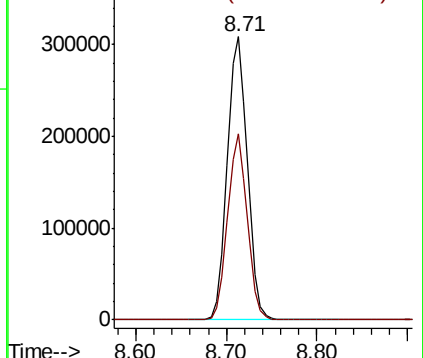
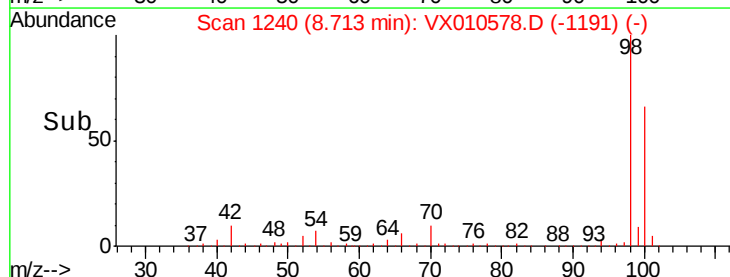
98 100

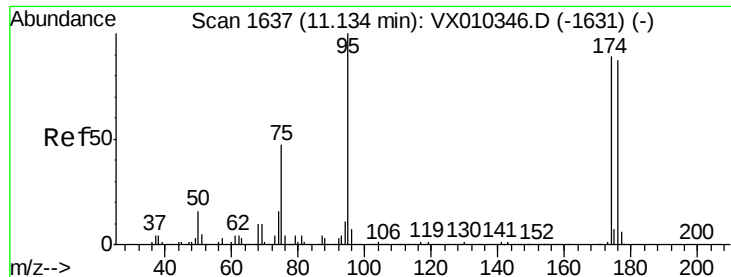
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.040 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010578.D

Acq: 01 Jul 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX0701WBL01

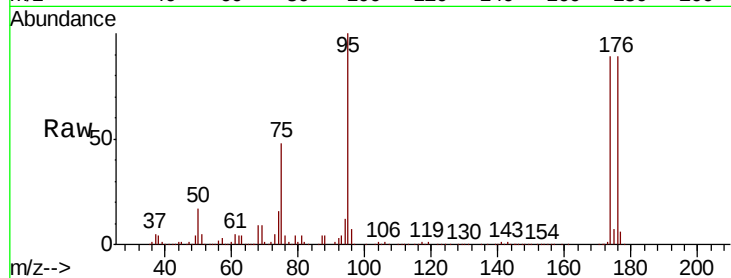
Tot Ion: 95 Resp: 157156

Ion Ratio Lower Upper

95 100

174 95.2 0.0 187.6

176 92.2 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)

11.13

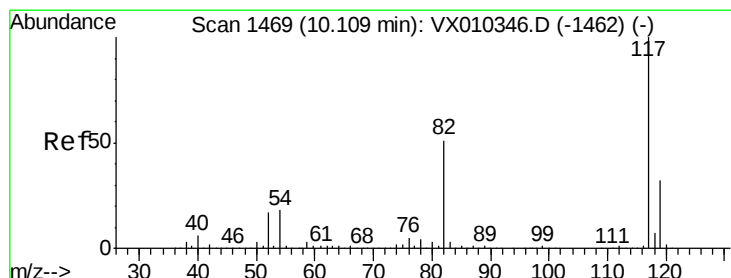
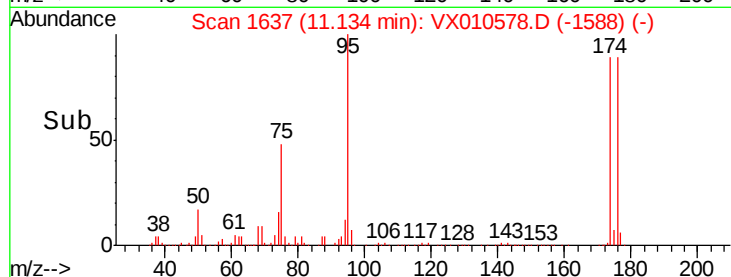
150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010578.D

Acq: 01 Jul 2019 10:17

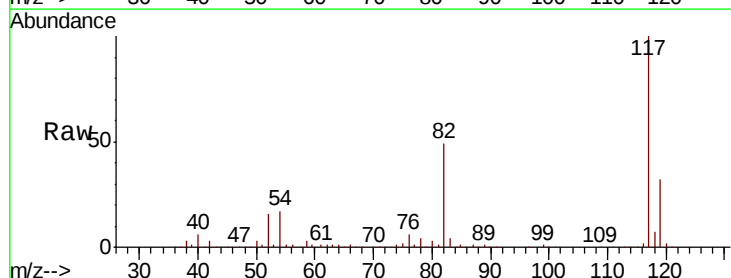
Tgt Ion: 117 Resp: 362676

Ion Ratio Lower Upper

117 100

82 49.2 41.2 61.8

119 31.7 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)

10.11

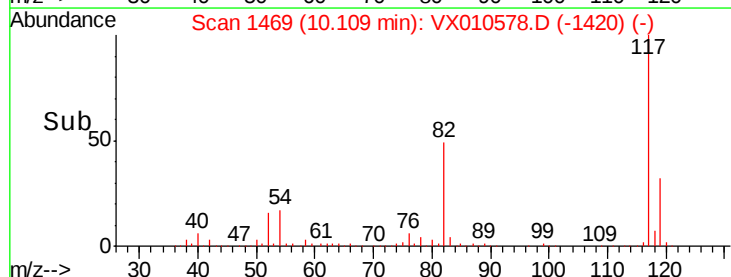
300000

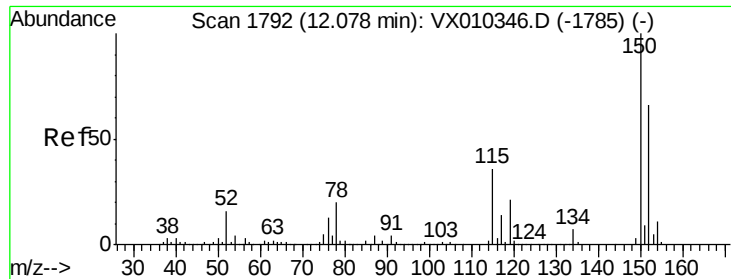
200000

100000

0

Time--> 10.00 10.10 10.20 10.30





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010578.D

Acq: 01 Jul 2019 10:17

Instrument :

MSVOA_X

ClientSampled :

VX0701WBL01

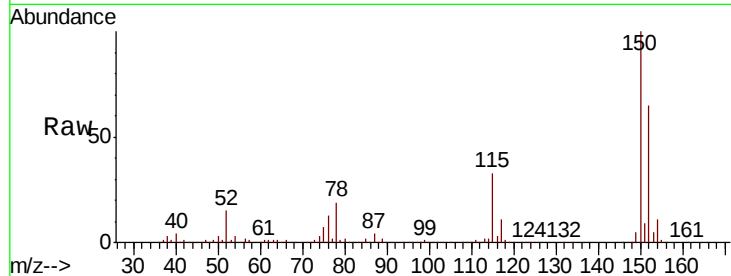
Tot Ion:152 Resp: 165314

Ion Ratio Lower Upper

152 100

115 53.7 38.6 115.7

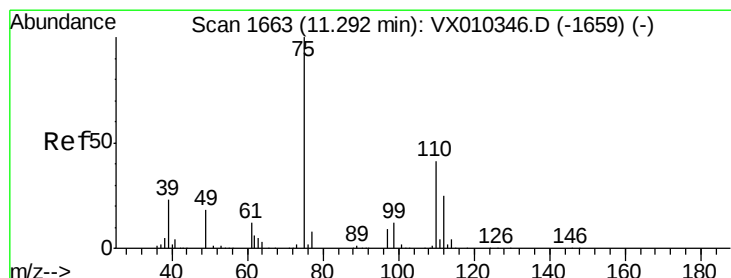
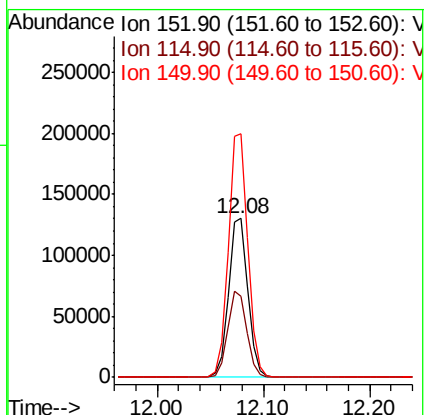
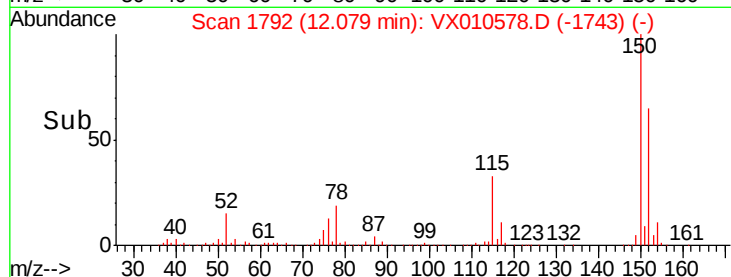
150 154.8 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.863 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010578.D

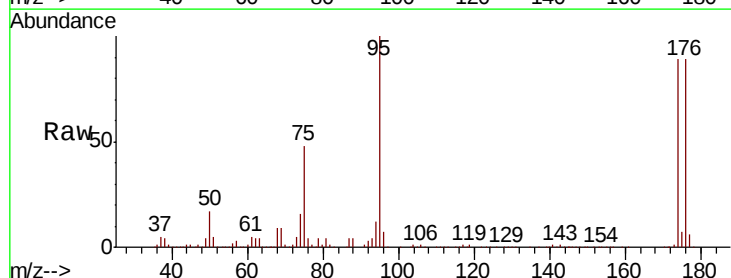
Acq: 01 Jul 2019 10:17

Tgt Ion: 75 Resp: 74899

Ion Ratio Lower Upper

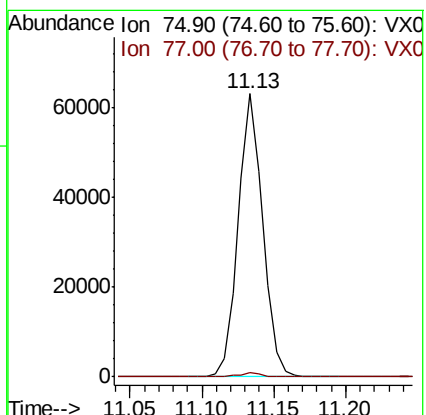
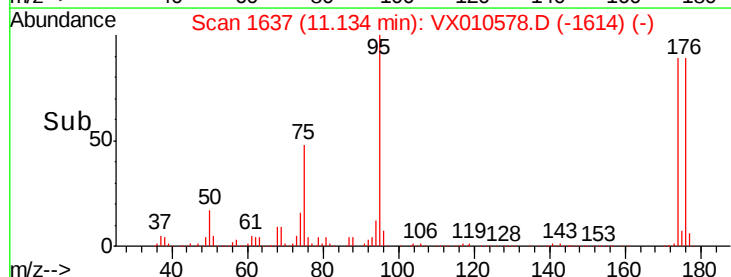
75 100

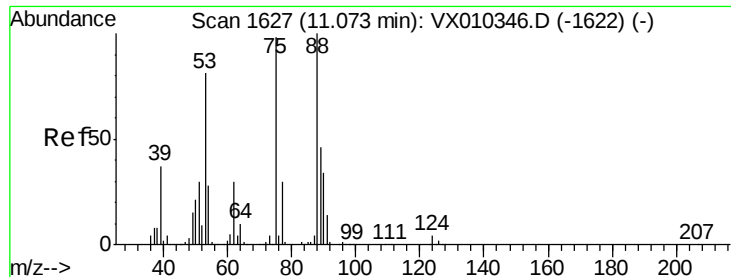
77 1.4 22.6 67.8#



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: 58.003 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010578.D

Acq: 01 Jul 2019 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX0701WBL01

Tot Ion: 75 Resp: 74899

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

