

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050619\
 Data File : VX009348.D
 Acq On : 06 May 2019 14:18
 Operator : JC/SP
 Sample : K2707-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW201D1-GW-20190502

Quant Time: May 07 06:35:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	189432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	303223	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110352	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	123871	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
35) Dibromofluoromethane	5.50	113	92544	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	8.71	98	376478	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
62) 4-Bromofluorobenzene	11.13	95	123839	44.29	ug/l	0.00
Spiked Amount			Recovery	=	88.58%	

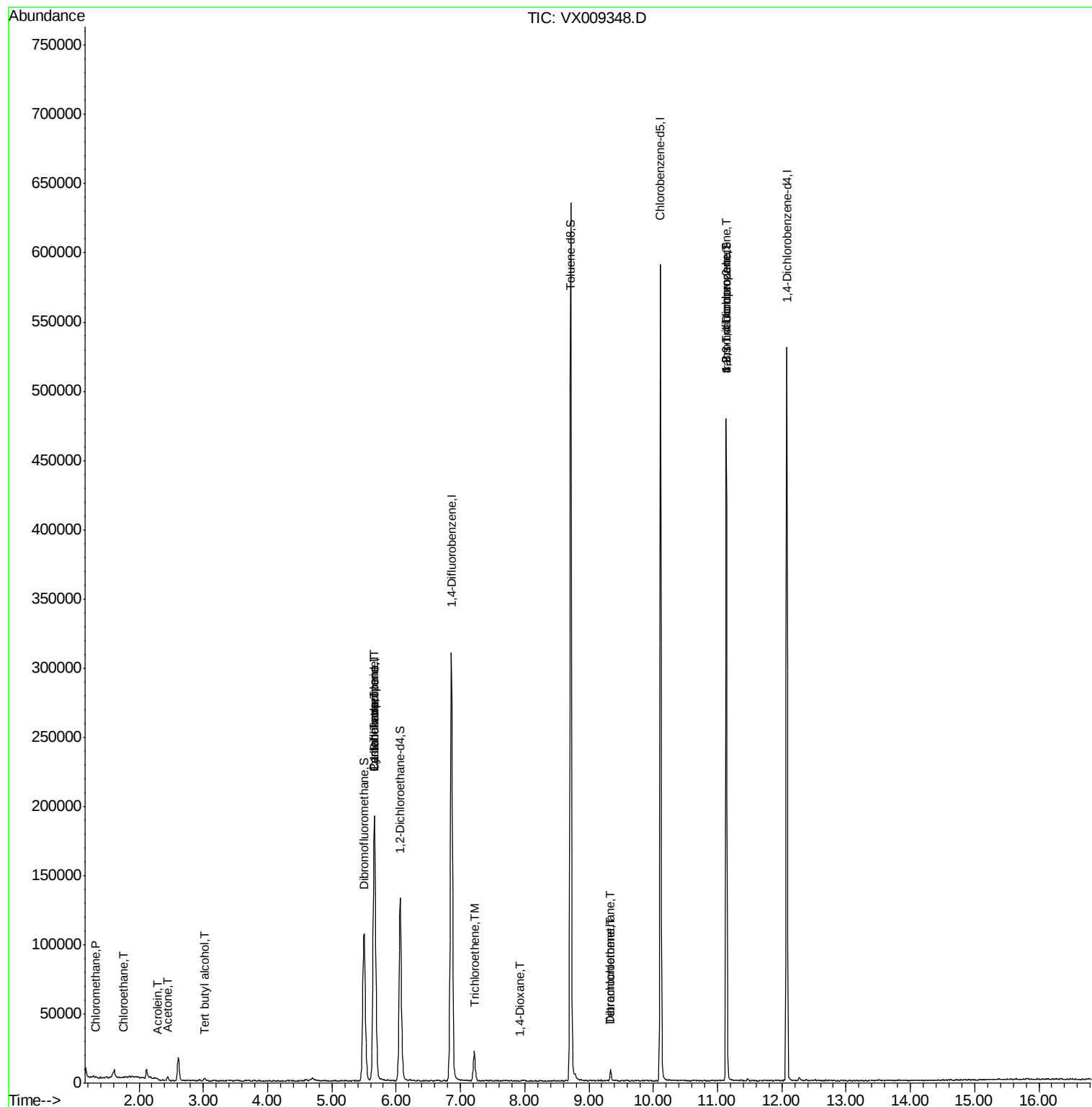
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	539	0.226	ug/l	92
6) Chloroethane	1.75	64	350	0.235	ug/l #	43
11) Tert butyl alcohol	3.01	59	1273	2.127	ug/l #	86
13) Acrolein	2.28	56	129	0.238	ug/l	97
16) Acetone	2.45	43	3286	2.366	ug/l	99
28) Bromochloromethane	4.99	49	69	Below Cal	#	20
31) Cyclohexane	5.66	56	3978	1.040	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14569	5.170	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17131	6.691	ug/l #	16
44) Trichloroethene	7.21	130	8001	3.795	ug/l	97
49) 1,4-Dioxane	7.93	88	20	0.317	ug/l #	51
60) Dibromochloromethane	9.34	129	1444	0.684	ug/l #	11
64) Tetrachloroethene	9.34	164	1567	0.867	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	62177	24.290	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62177	62.150	ug/l #	10

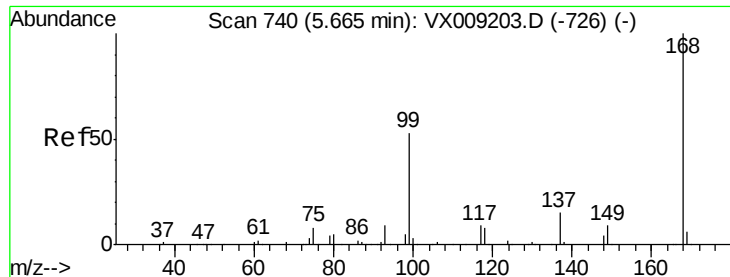
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050619\
Data File : VX009348.D
Acq On : 06 May 2019 14:18
Operator : JC/SP
Sample : K2707-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW201D1-GW-20190502

Quant Time: May 07 06:35:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Sat May 04 07:18:36 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: VX009348.D

Acq: 06 May 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

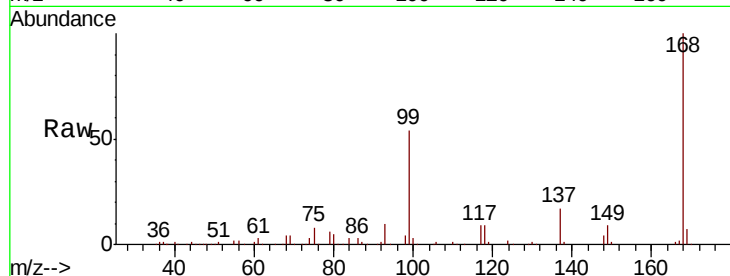
BP-TT-MW201D1-GW-20190502

Tot Ion:168 Resp: 189432

Ion Ratio Lower Upper

168 100

99 54.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

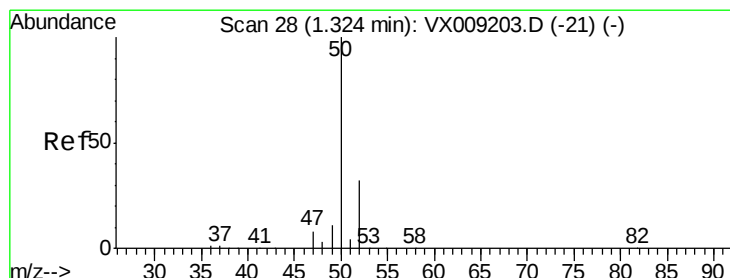
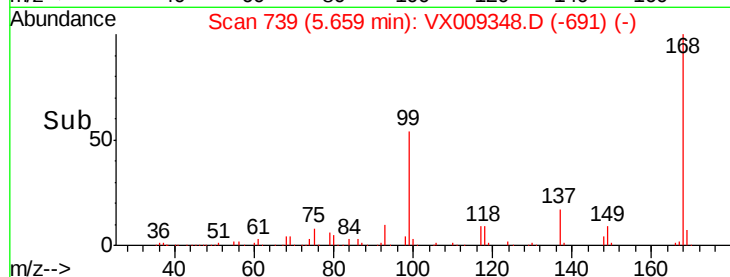
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.226 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009348.D

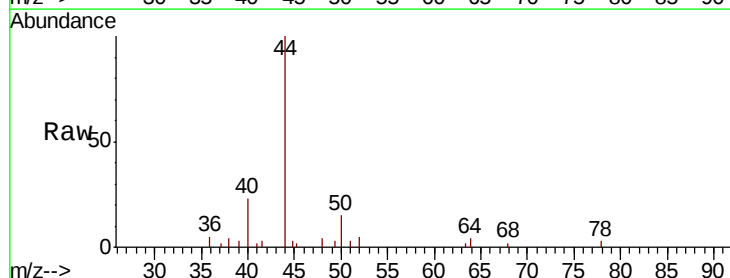
Acq: 06 May 2019 14:18

Tgt Ion: 50 Resp: 539

Ion Ratio Lower Upper

50 100

52 37.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

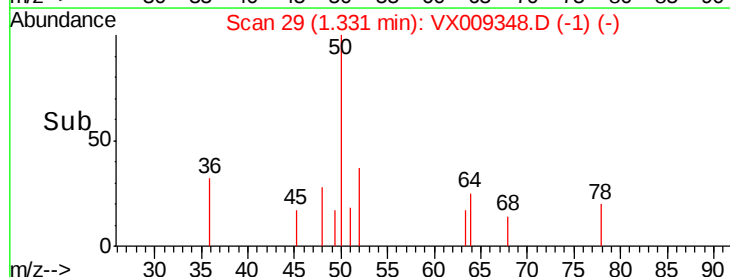
300

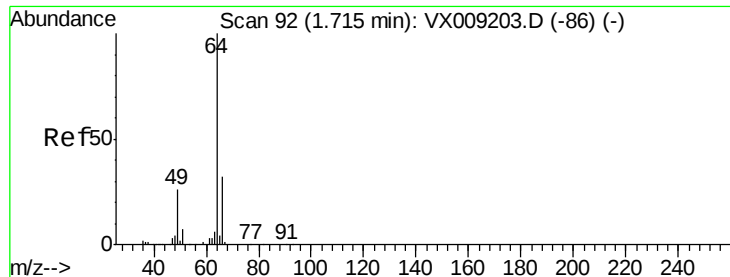
200

100

0

Time--> 1.30 1.35





#6

Chloroethane

Concen: 0.235 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.04 min

Lab File: VX009348.D

Acq: 06 May 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

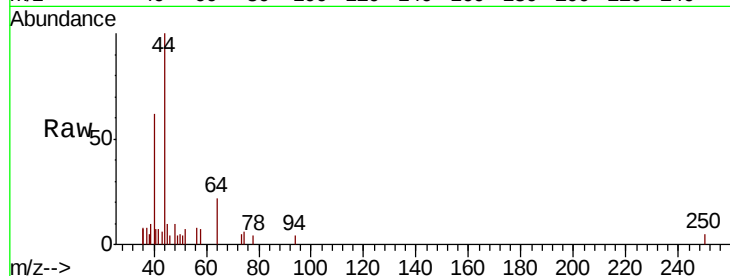
BP-TT-MW201D1-GW-20190502

Tot Ion: 64 Resp: 350

Ion Ratio Lower Upper

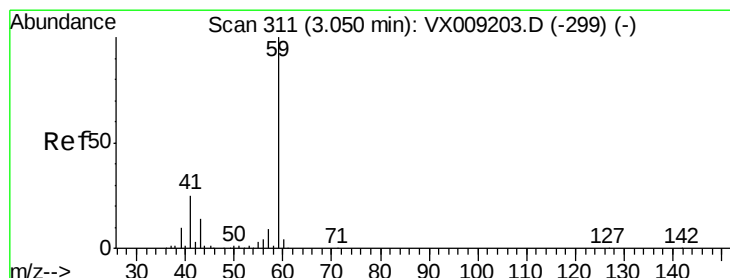
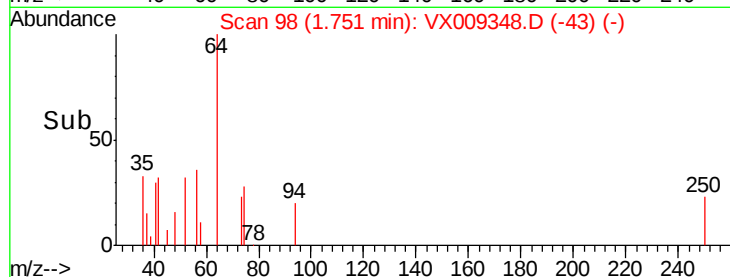
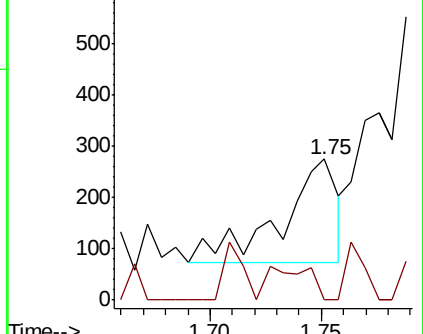
64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 2.127 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX009348.D

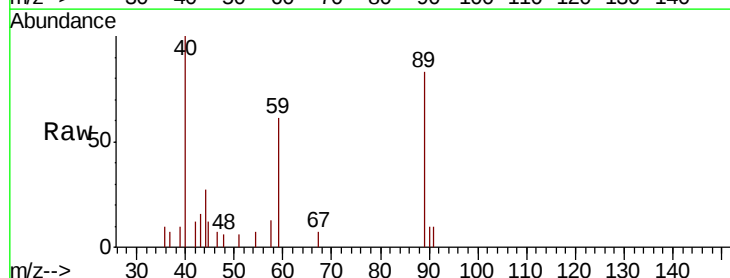
Acq: 06 May 2019 14:18

Tgt Ion: 59 Resp: 1273

Ion Ratio Lower Upper

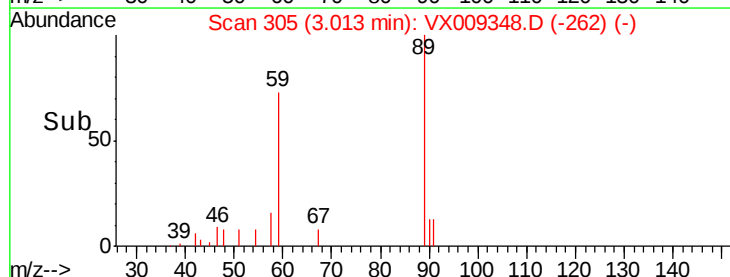
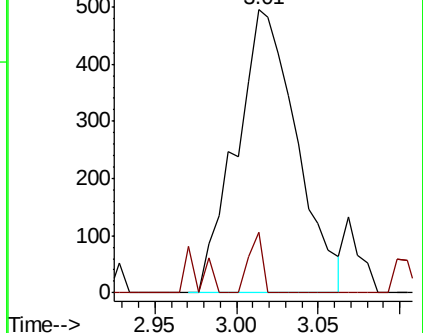
59 100

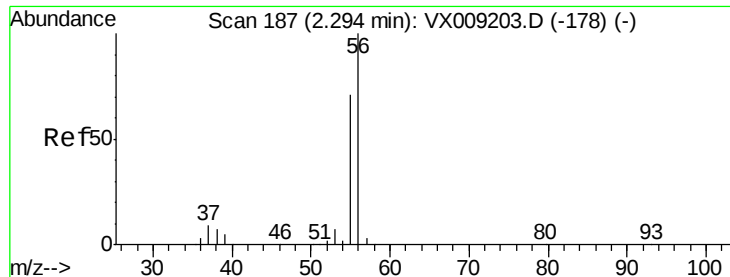
57 4.9 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.238 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX009348.D

Acq: 06 May 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

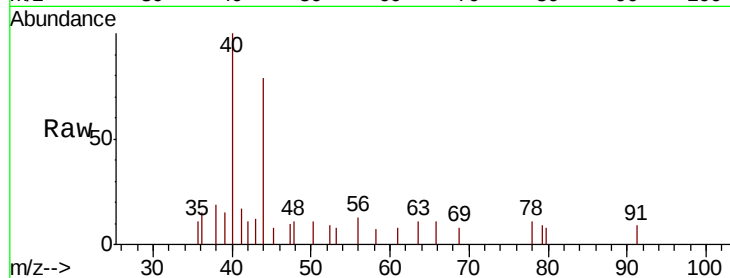
BP-TT-MW201D1-GW-20190502

Tot Ion: 56 Resp: 129

Ion Ratio Lower Upper

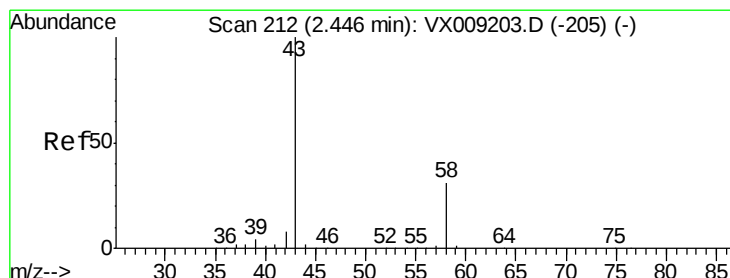
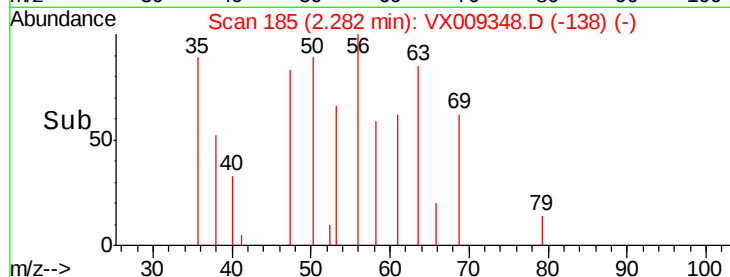
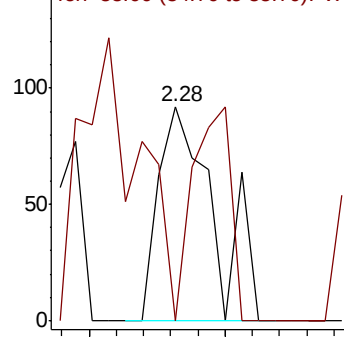
56 100

55 68.2 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.366 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009348.D

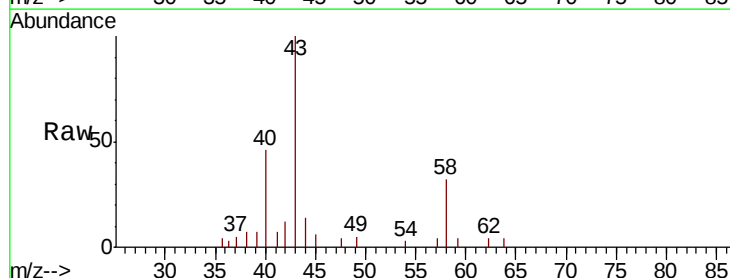
Acq: 06 May 2019 14:18

Tgt Ion: 43 Resp: 3286

Ion Ratio Lower Upper

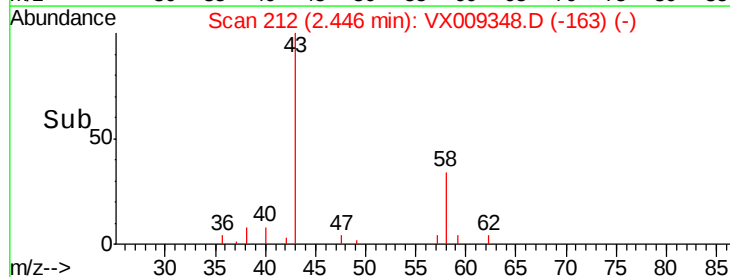
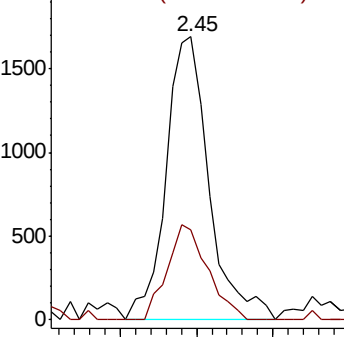
43 100

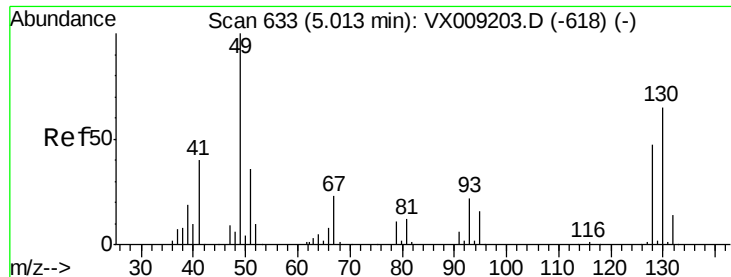
58 31.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

Delta R.T. -0.02 min

Lab File: VX009348.D

Acq: 06 May 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW201D1-GW-20190502

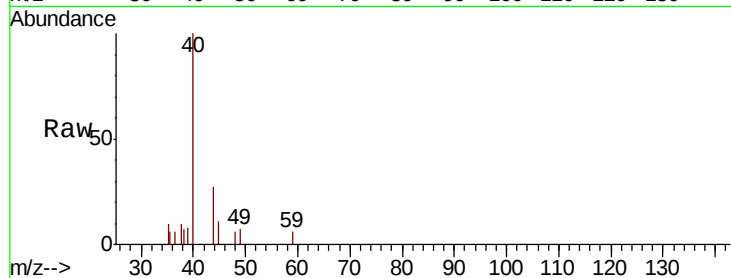
Tot Ion: 49 Resp: 69

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

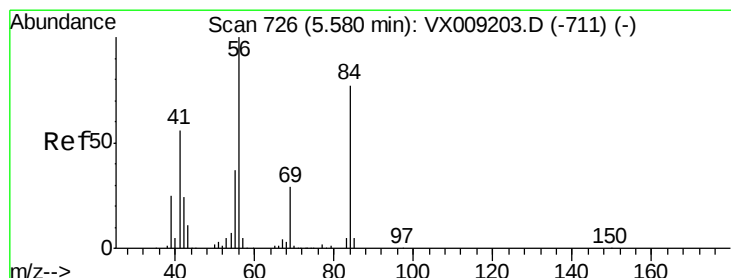
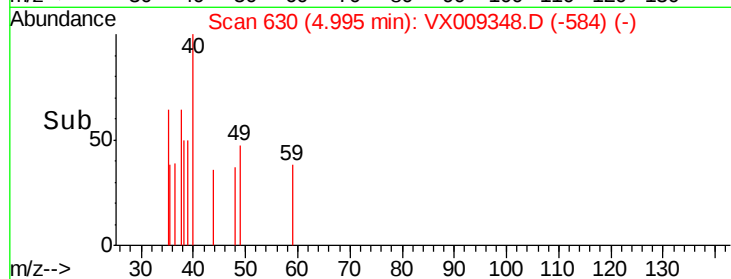
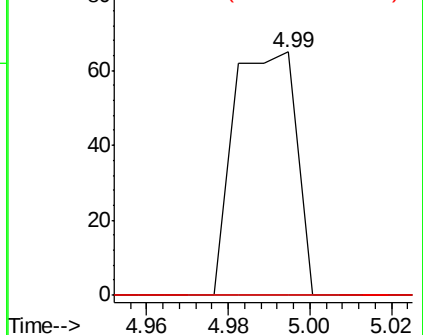
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.040 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009348.D

Acq: 06 May 2019 14:18

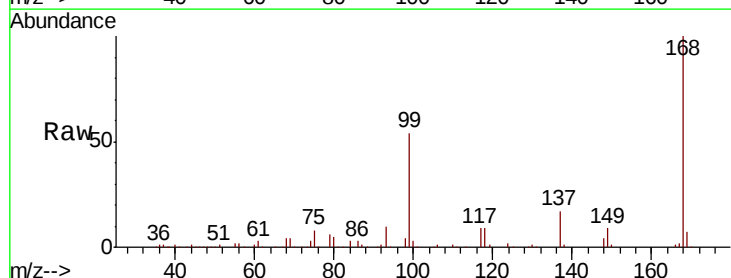
Tgt Ion: 56 Resp: 3978

Ion Ratio Lower Upper

56 100

69 163.9 23.4 35.0#

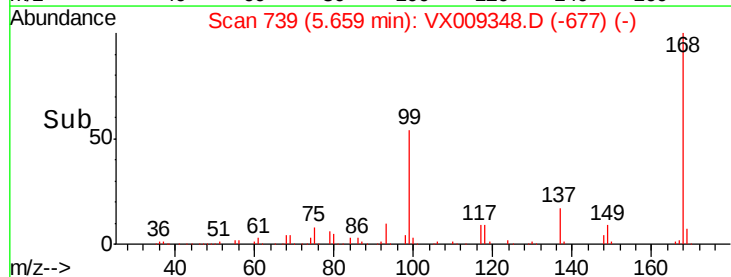
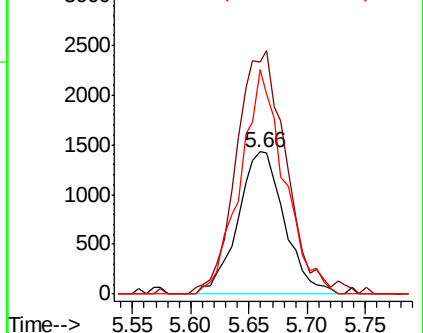
84 158.3 61.9 92.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.901 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009348.D

Acq: 06 May 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

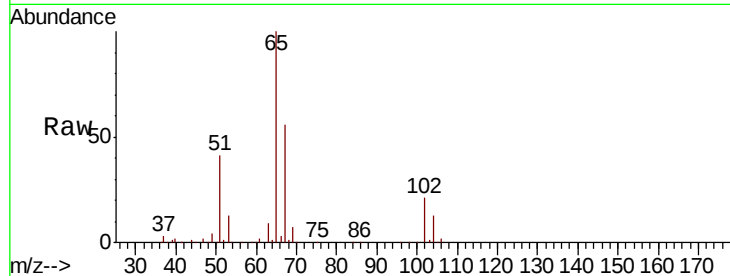
BP-TT-MW201D1-GW-20190502

Tot Ion: 65 Resp: 123871

Ion Ratio Lower Upper

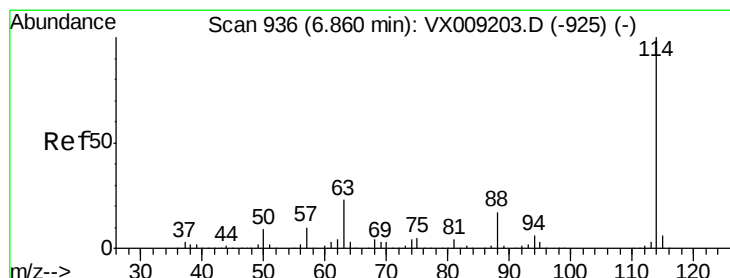
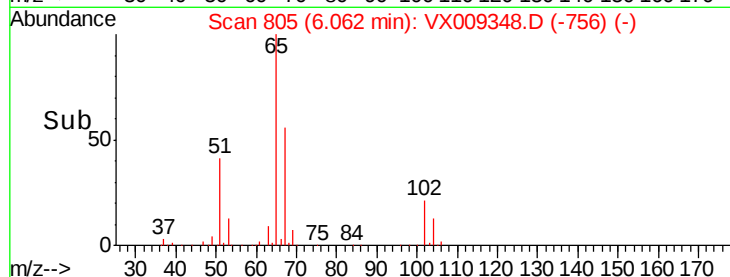
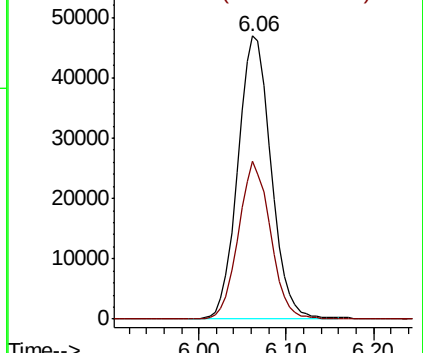
65 100

67 53.9 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009348.D

Acq: 06 May 2019 14:18

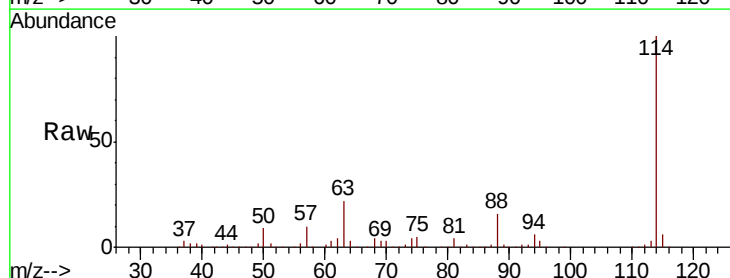
Tgt Ion: 114 Resp: 303223

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.6

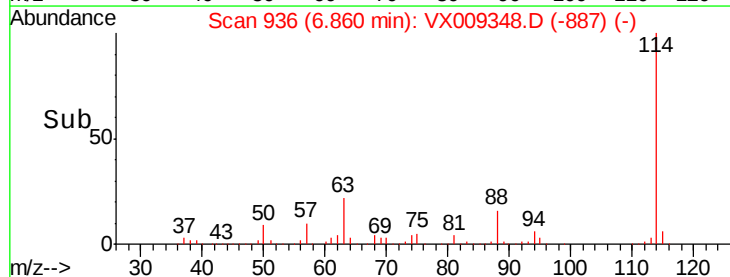
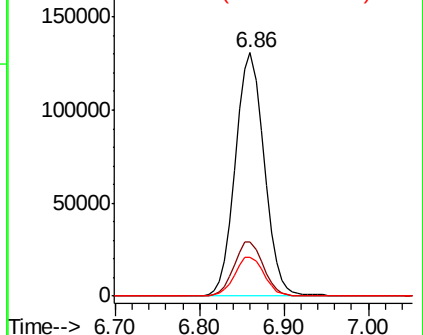
88 16.1 0.0 33.2

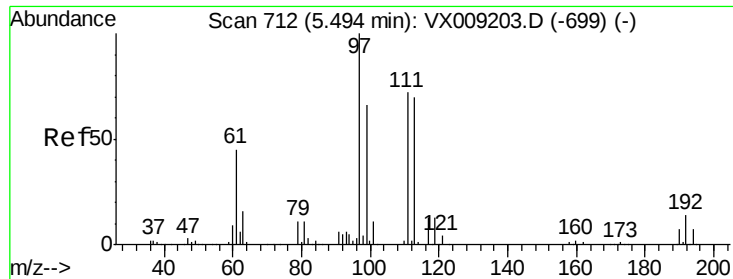


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

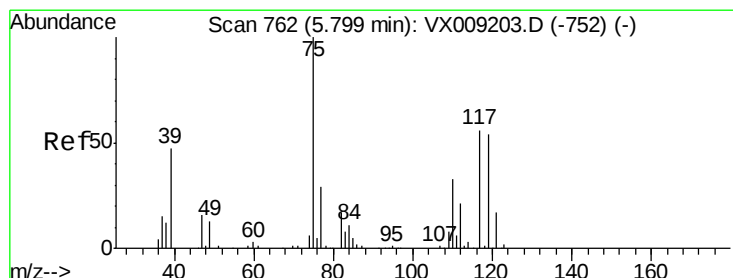
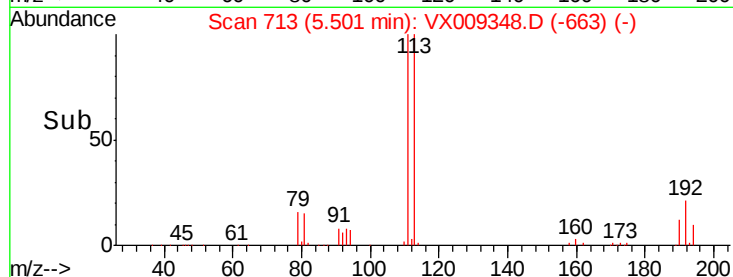
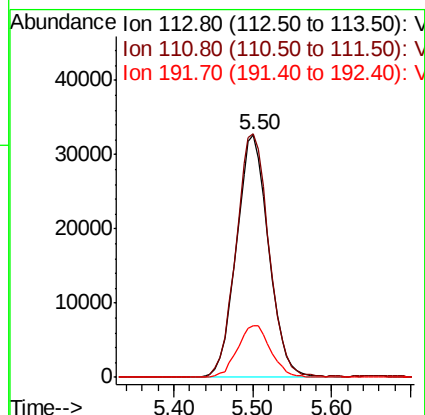
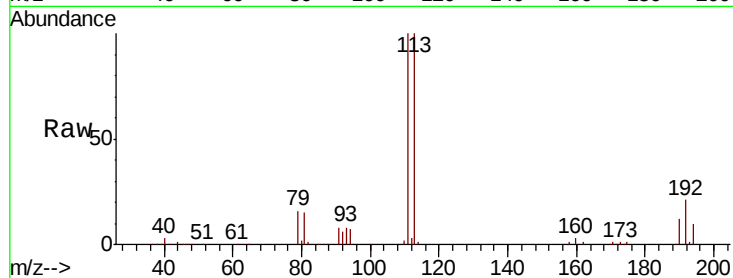




#35
 Dibromofluoromethane
 Concen: 48.549 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009348.D
 Acq: 06 May 2019 14:18

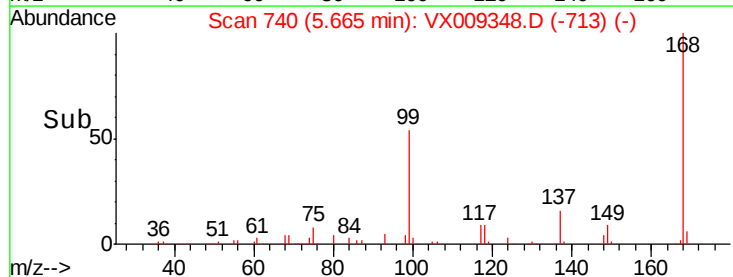
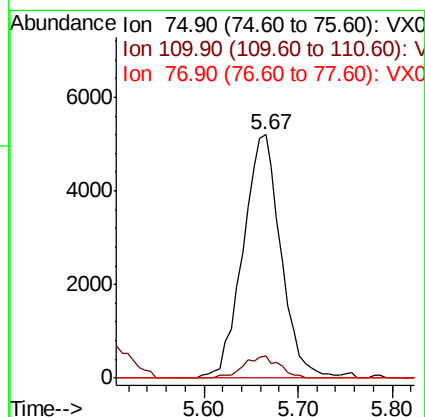
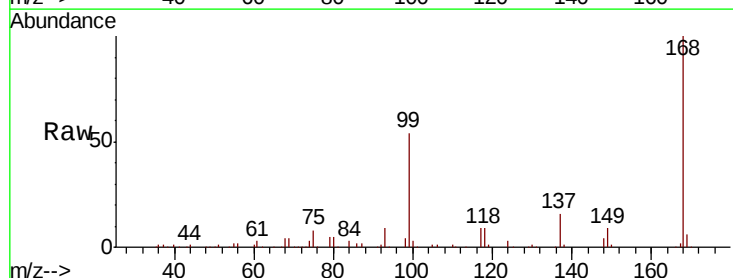
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW201D1-GW-20190502

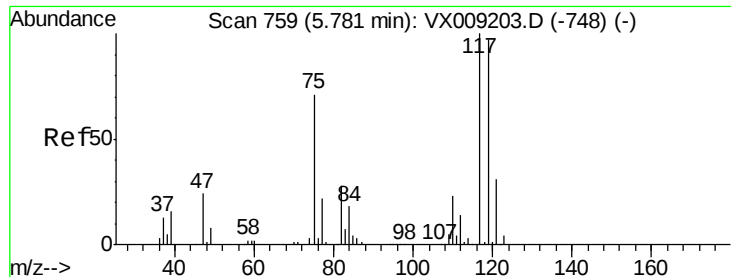
Tot Ion:113 Resp: 92544
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.8 124.2
 192 21.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.170 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009348.D
 Acq: 06 May 2019 14:18

Tgt Ion: 75 Resp: 14569
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.9 50.6#
 77 0.0 24.8 37.2#

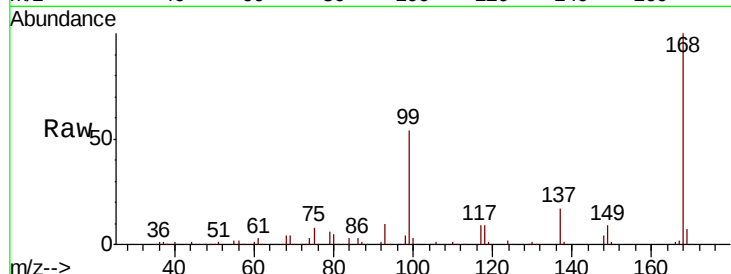




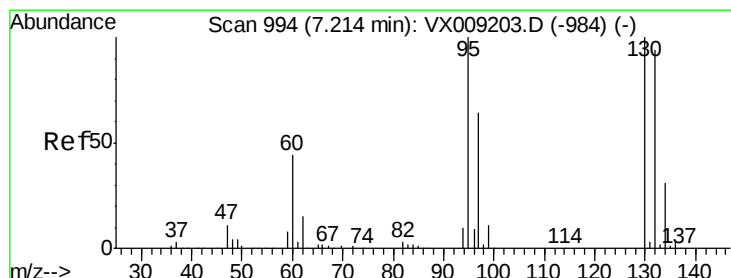
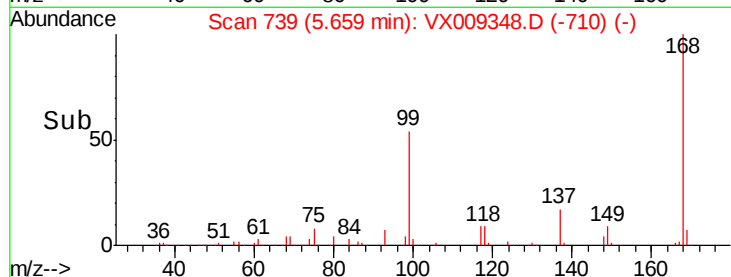
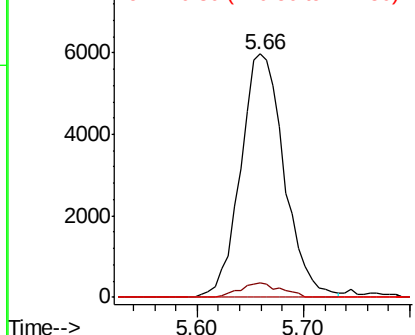
#38
Carbon Tetrachloride
Concen: 6.691 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009348.D
Acq: 06 May 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW201D1-GW-20190502

Tot Ion:117 Resp: 17131
Ion Ratio Lower Upper
117 100
119 5.7 77.5 116.3#
121 0.0 24.7 37.1#

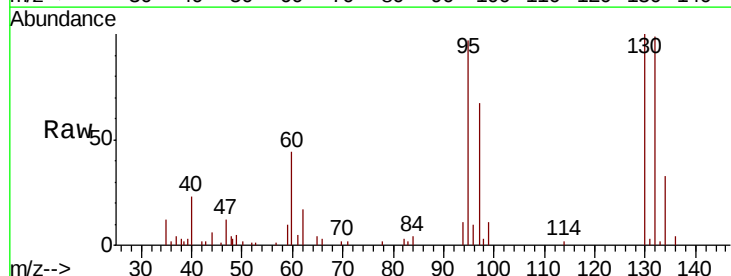


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

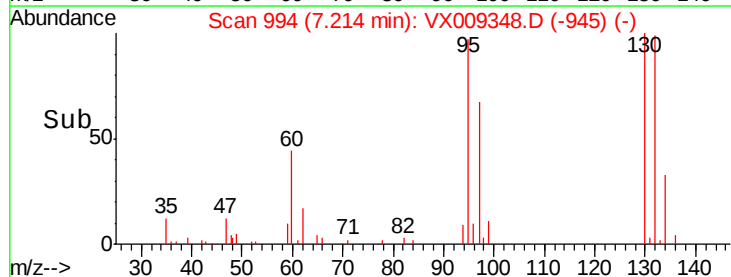
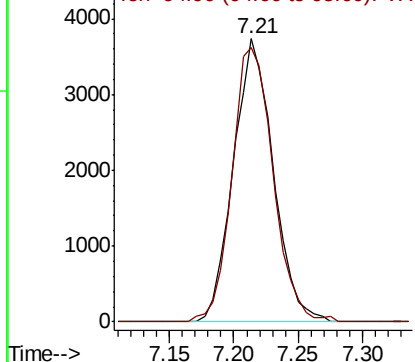


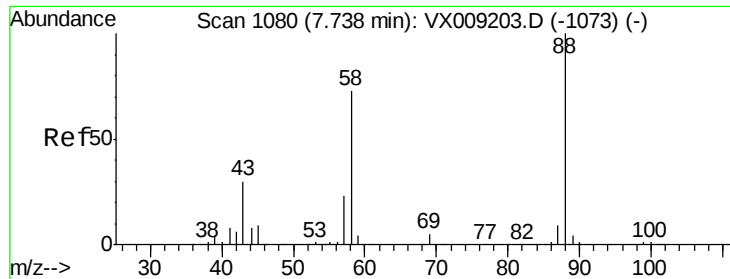
#44
Trichloroethene
Concen: 3.795 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX009348.D
Acq: 06 May 2019 14:18

Tgt Ion:130 Resp: 8001
Ion Ratio Lower Upper
130 100
95 96.8 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 0.317 ug/l

RT: 7.93 min Scan# 1111

Delta R.T. 0.19 min

Lab File: VX009348.D

Acq: 06 May 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW201D1-GW-20190502

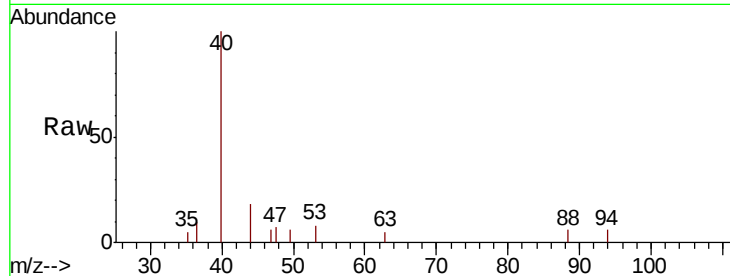
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

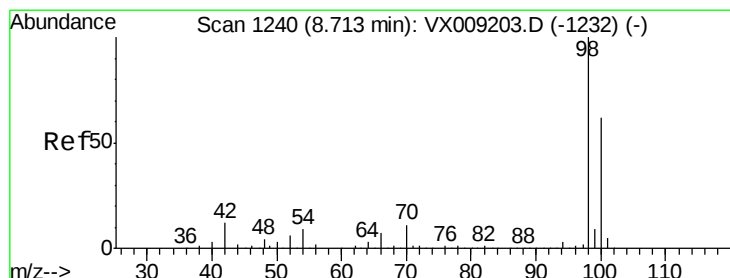
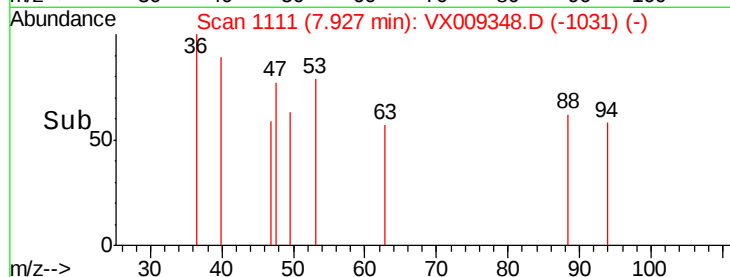
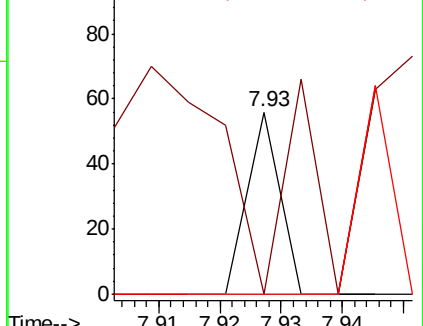
58 115.0 61.7 92.5#



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: 48.920 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009348.D

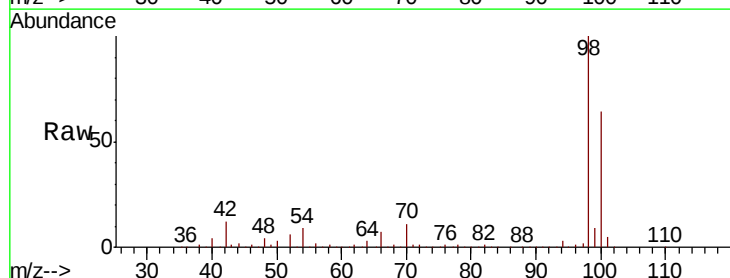
Acq: 06 May 2019 14:18

Tgt Ion: 98 Resp: 376478

Ion Ratio Lower Upper

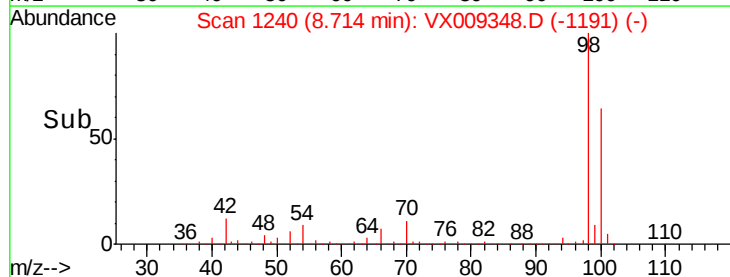
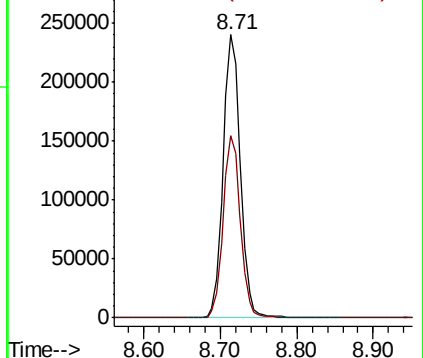
98 100

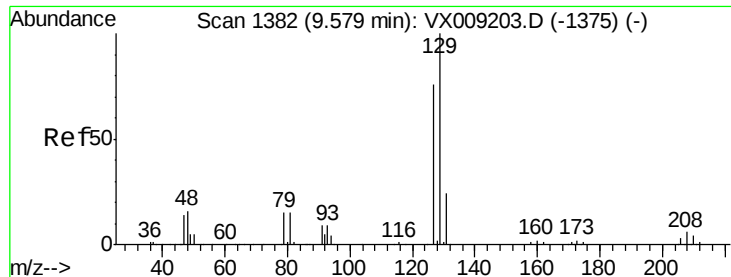
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.684 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009348.D

Acq: 06 May 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

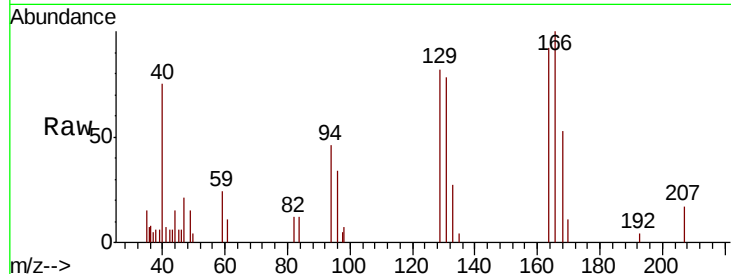
BP-TT-MW201D1-GW-20190502

Tot Ion:129 Resp: 1444

Ion Ratio Lower Upper

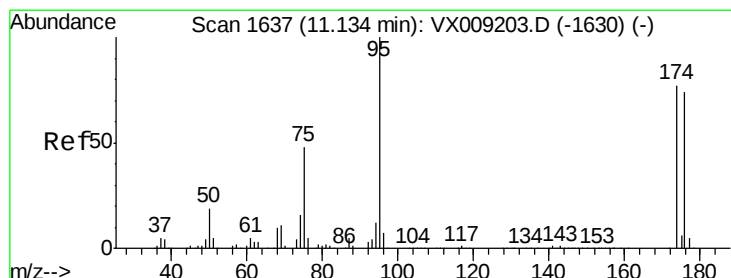
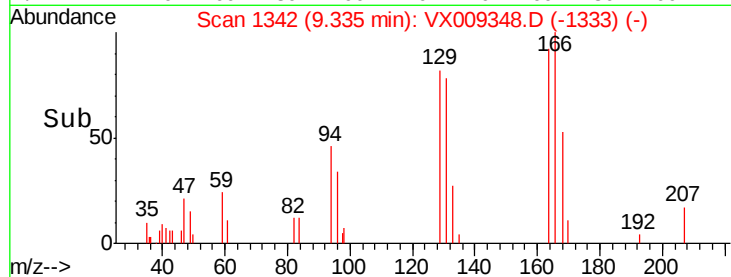
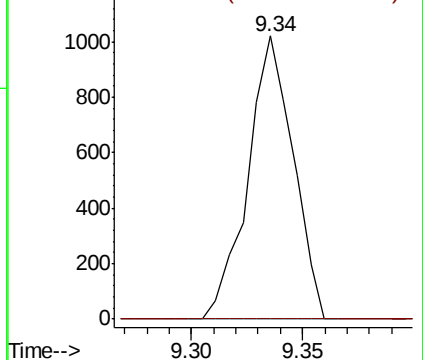
129 100

127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.286 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009348.D

Acq: 06 May 2019 14:18

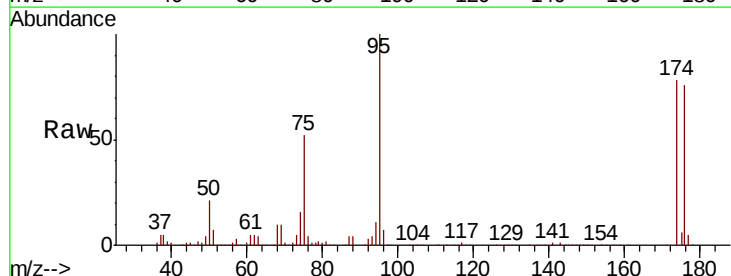
Tgt Ion: 95 Resp: 123839

Ion Ratio Lower Upper

95 100

174 82.1 0.0 161.6

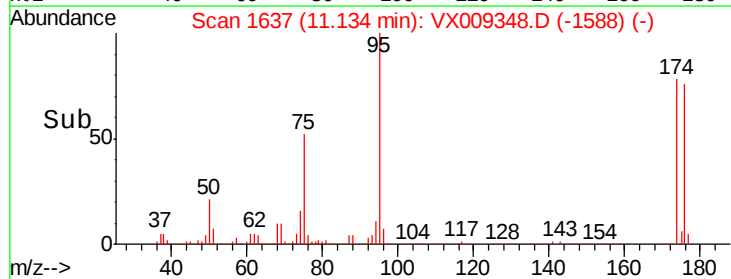
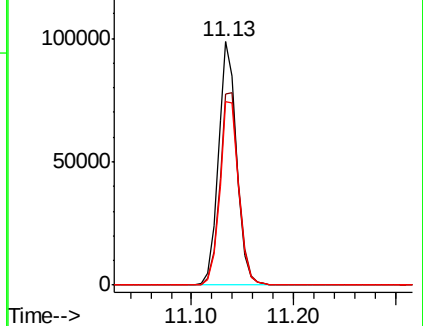
176 78.1 0.0 159.2

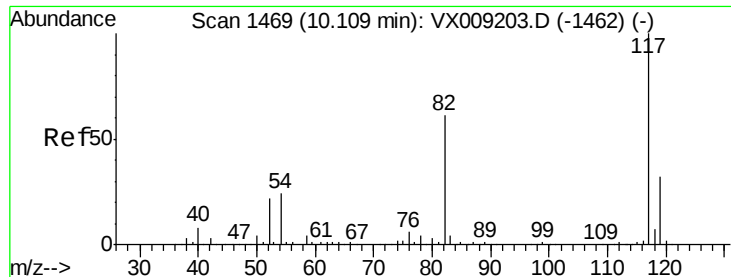


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

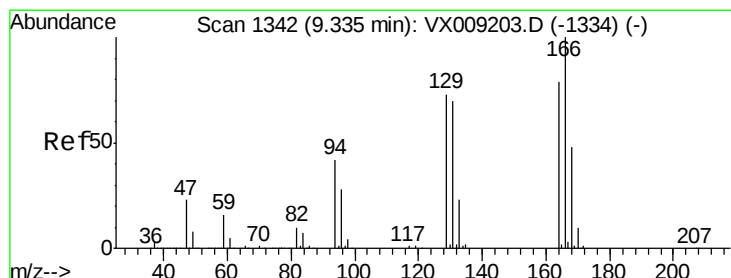
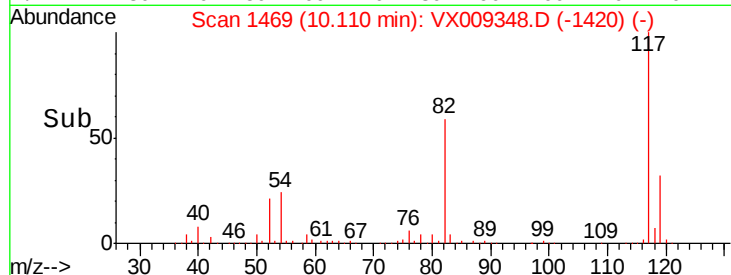
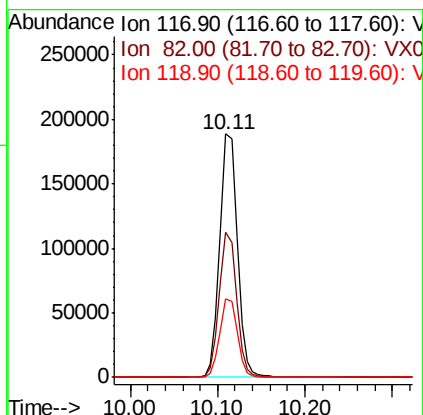
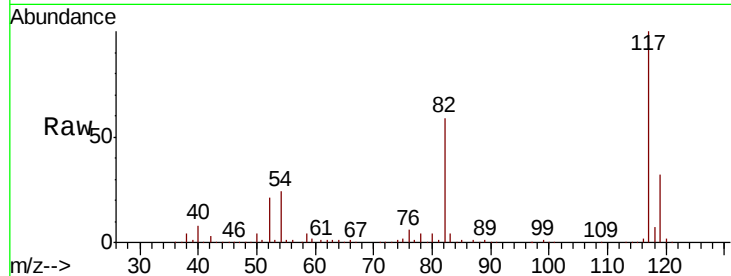




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009348.D
Acq: 06 May 2019 14:18

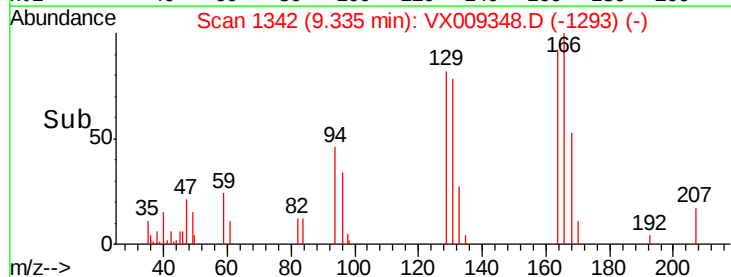
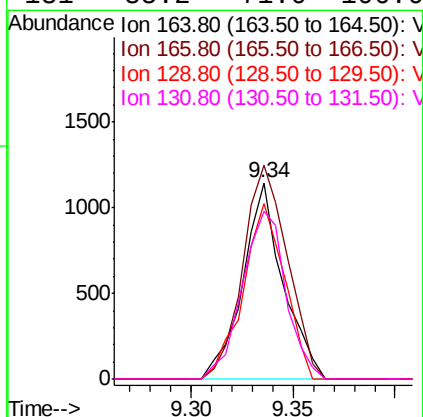
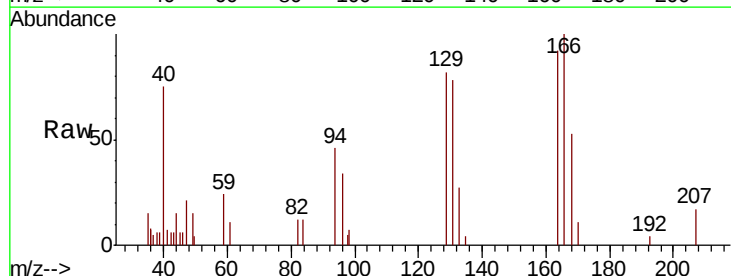
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW201D1-GW-20190502

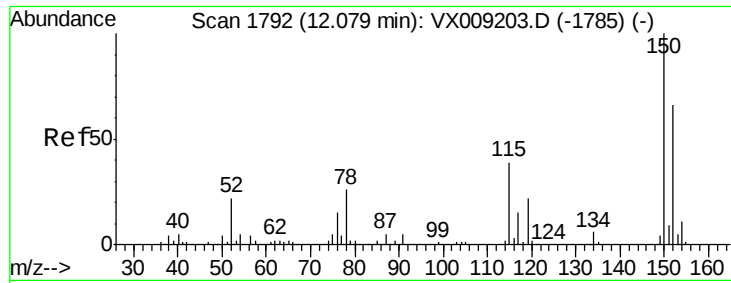
Tot Ion:117 Resp: 263462
Ion Ratio Lower Upper
117 100
82 59.4 48.8 73.2
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 0.867 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009348.D
Acq: 06 May 2019 14:18

Tgt Ion:164 Resp: 1567
Ion Ratio Lower Upper
164 100
166 108.7 101.2 151.8
129 89.1 74.3 111.5
131 85.2 71.0 106.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009348.D

Acq: 06 May 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW201D1-GW-20190502

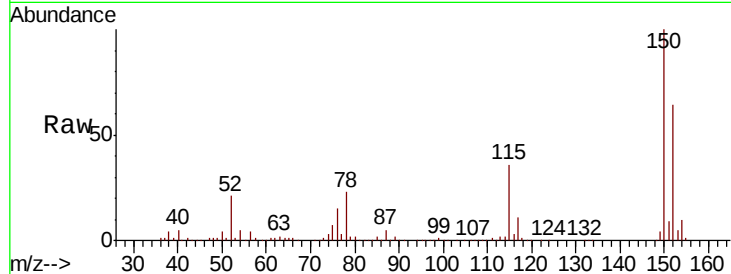
Tot Ion:152 Resp: 110352

Ion Ratio Lower Upper

152 100

115 58.5 41.2 123.6

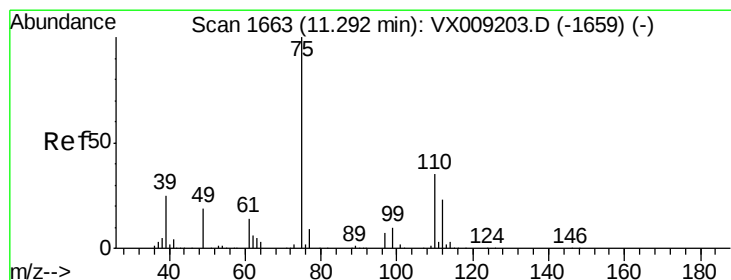
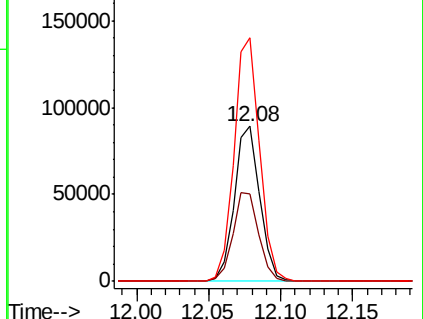
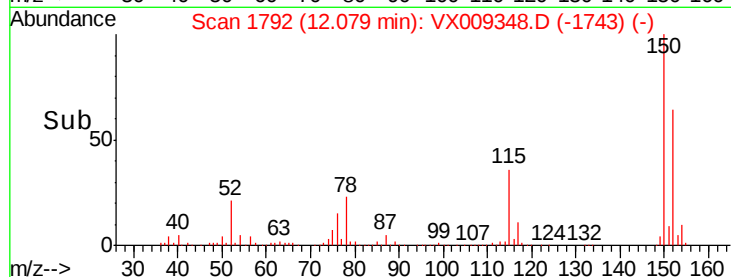
150 157.9 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.290 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009348.D

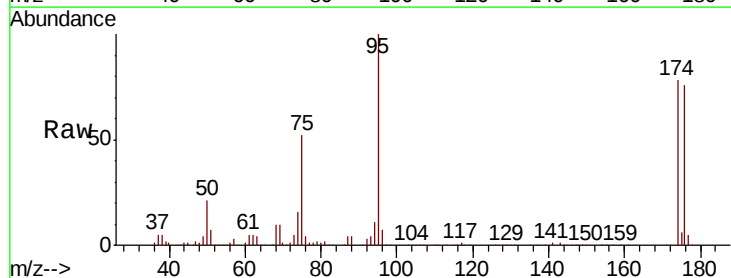
Acq: 06 May 2019 14:18

Tgt Ion: 75 Resp: 62177

Ion Ratio Lower Upper

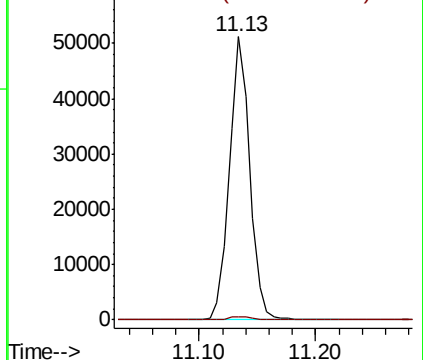
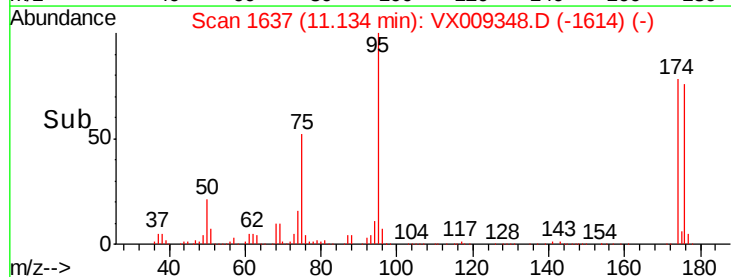
75 100

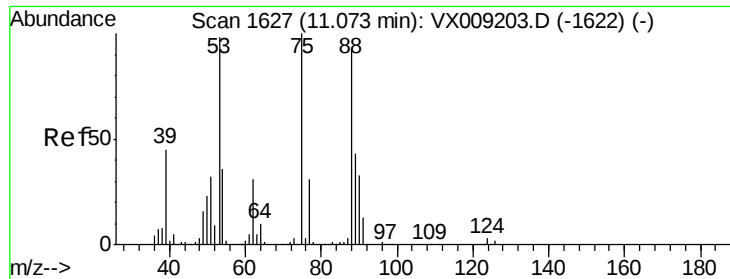
77 1.3 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.150 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009348.D

Acq: 06 May 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW201D1-GW-20190502

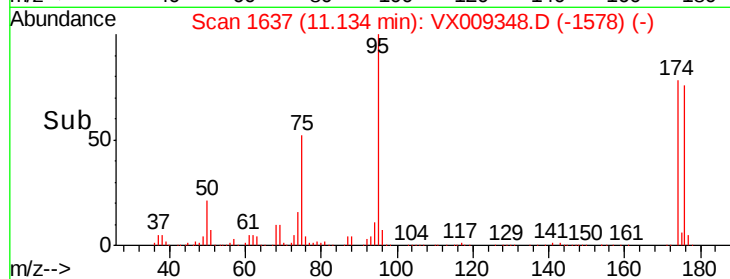
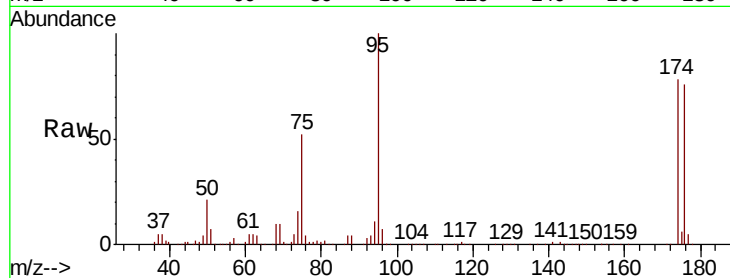
Tot Ion: 75 Resp: 62177

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



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

