

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070919\
 Data File : VX010739.D
 Acq On : 09 Jul 2019 10:33
 Operator : JC/SP
 Sample : VX0709WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBL01

Quant Time: Jul 09 10:53:18 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	5.65	168	219324	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	337050	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	305796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137735	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	108274	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
35) Dibromofluoromethane	5.49	113	103733	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
50) Toluene-d8	8.71	98	403416	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.13	95	132005	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	

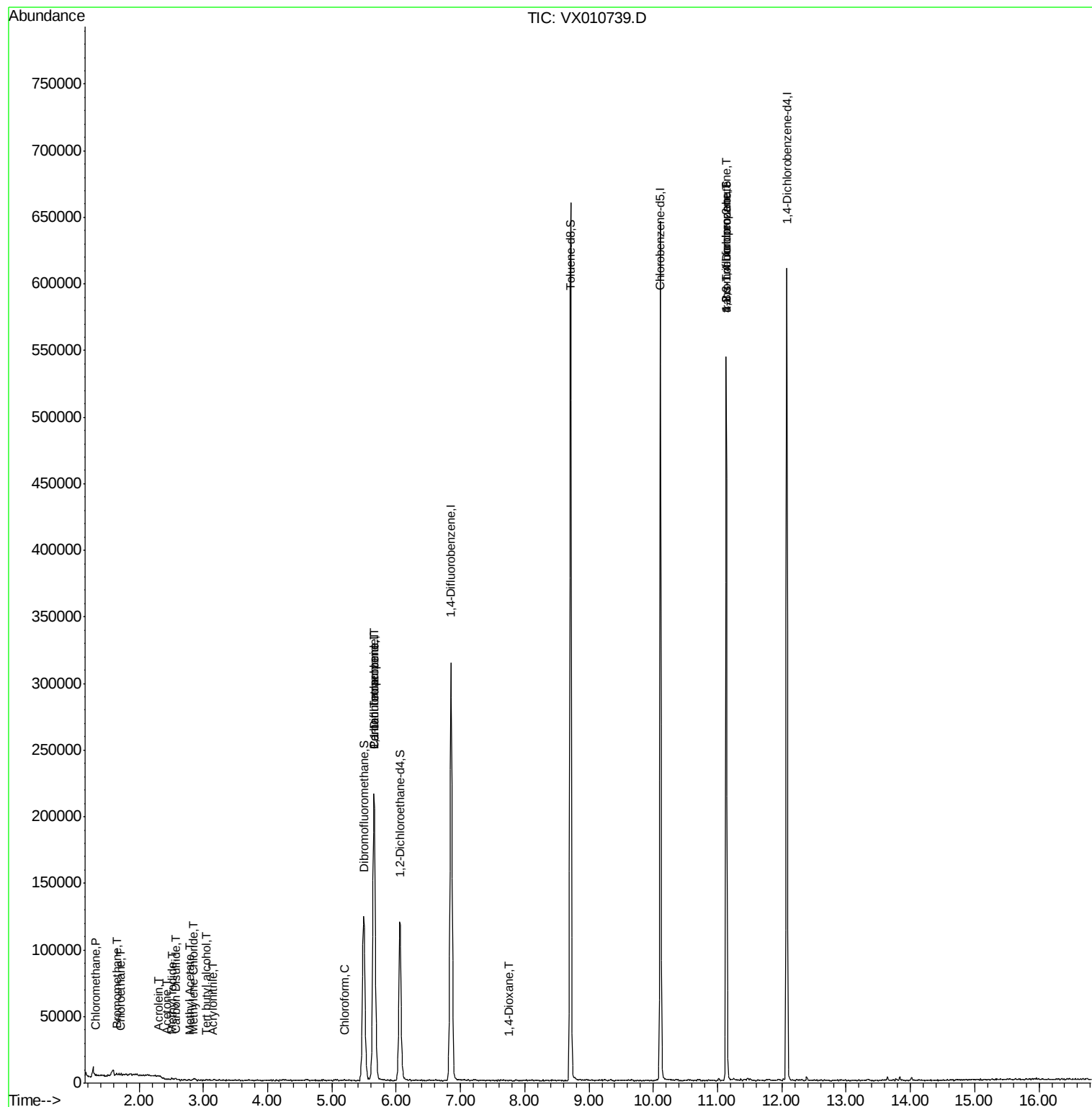
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	616	0.347	ug/l	98
5) Bromomethane	1.66	94	908	0.958	ug/l #	72
6) Chloroethane	1.70	64	342	0.298	ug/l #	83
10) Methyl Iodide	2.51	142	826	0.310	ug/l #	76
11) Tert butyl alcohol	3.04	59	146	0.271	ug/l #	74
13) Acrolein	2.30	56	491	1.376	ug/l #	69
15) Acrylonitrile	3.14	53	460	0.432	ug/l #	86
16) Acetone	2.44	43	226	0.219	ug/l #	85
17) Carbon Disulfide	2.57	76	1678	0.329	ug/l #	79
18) Methyl Acetate	2.78	43	422	0.205	ug/l #	59
20) Methylene Chloride	2.84	84	485	0.229	ug/l #	55
30) Chloroform	5.21	83	779	0.222	ug/l #	80
36) 1,1-Dichloropropene	5.66	75	13762	5.138	ug/l #	47
38) Carbon Tetrachloride	5.65	117	19232	6.631	ug/l #	15
49) 1,4-Dioxane	7.74	88	42	0.688	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	64704	25.780	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	64704	60.141	ug/l #	16

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX010739.D

Acq: 09 Jul 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

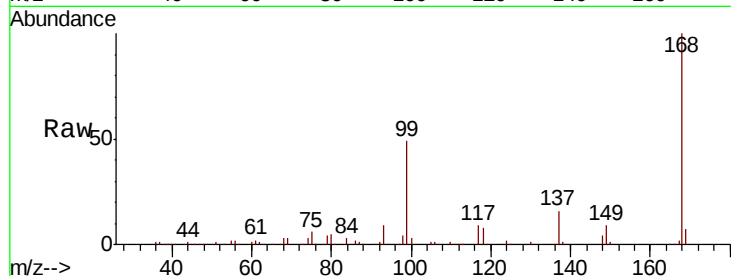
VX0709WBL01

Tgt Ion:168 Resp: 219324

Ion Ratio Lower Upper

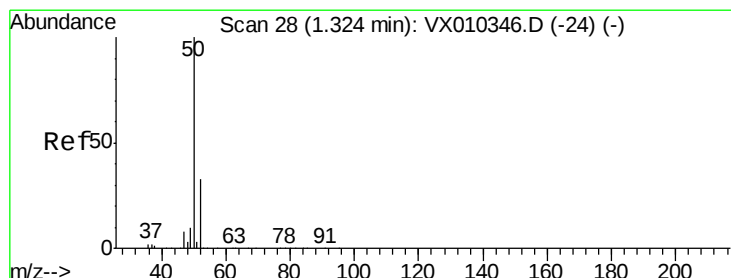
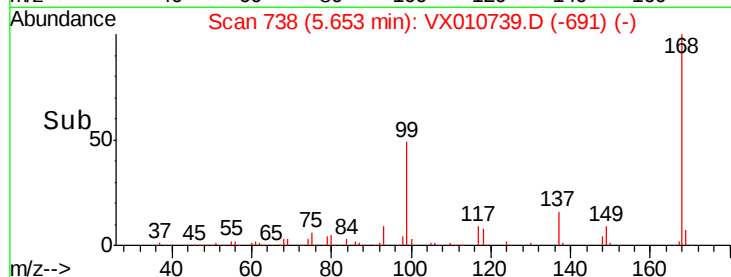
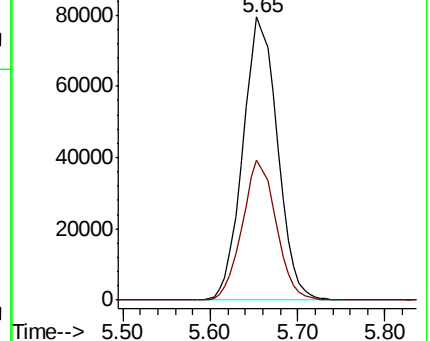
168 100

99 49.2 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.347 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010739.D

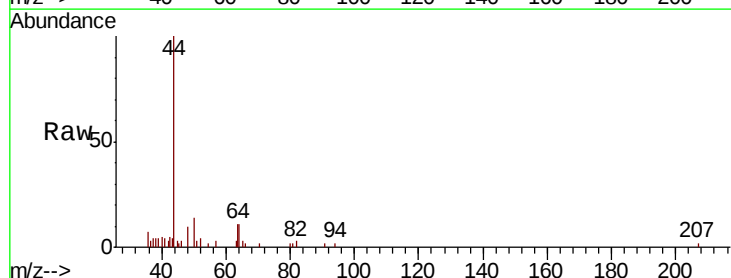
Acq: 09 Jul 2019 10:33

Tgt Ion: 50 Resp: 616

Ion Ratio Lower Upper

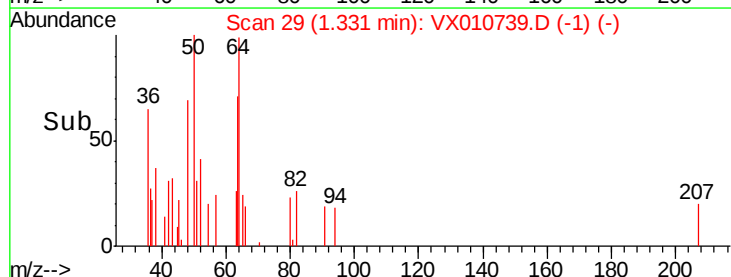
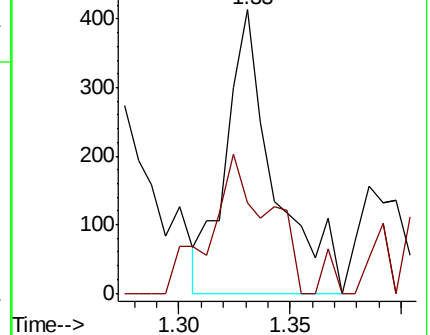
50 100

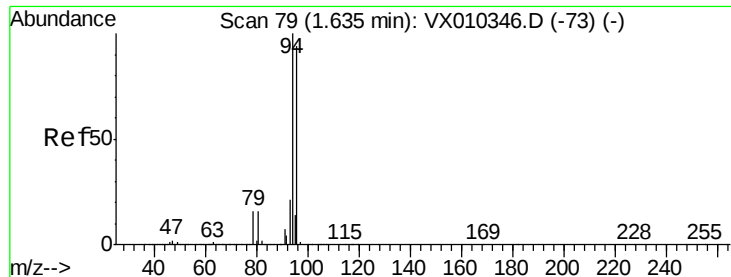
52 32.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.958 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010739.D

Acq: 09 Jul 2019 10:33

Instrument :

MSVOA_X

ClientSampled :

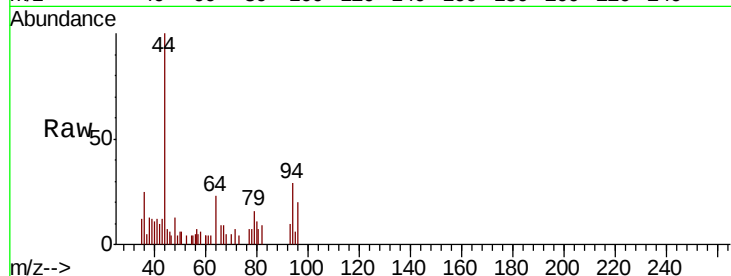
VX0709WBL01

Tgt Ion: 94 Resp: 908

Ion Ratio Lower Upper

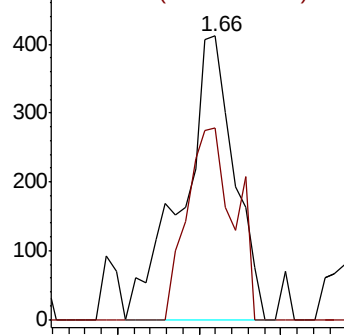
94 100

96 67.5 75.5 113.3#

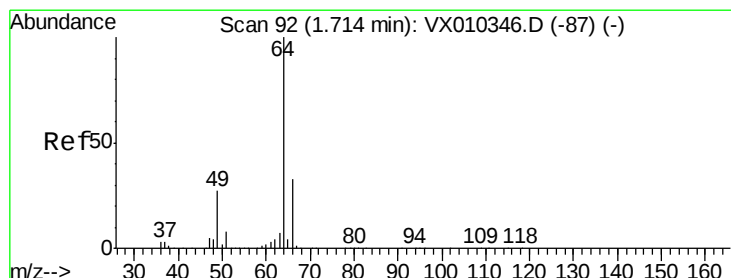
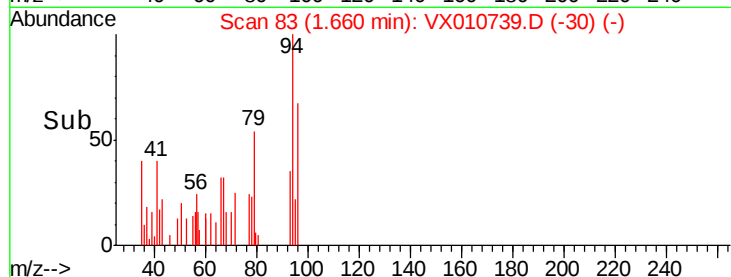


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.298 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX010739.D

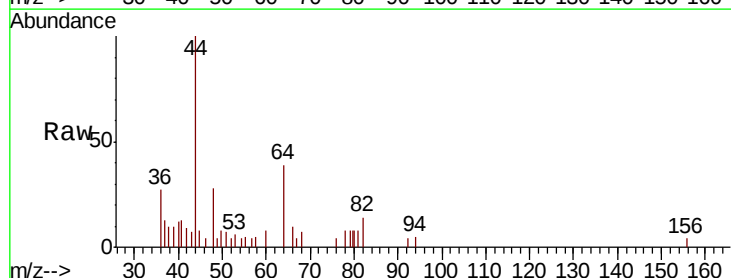
Acq: 09 Jul 2019 10:33

Tgt Ion: 64 Resp: 342

Ion Ratio Lower Upper

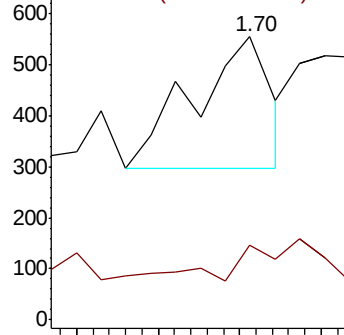
64 100

66 23.6 26.6 40.0#

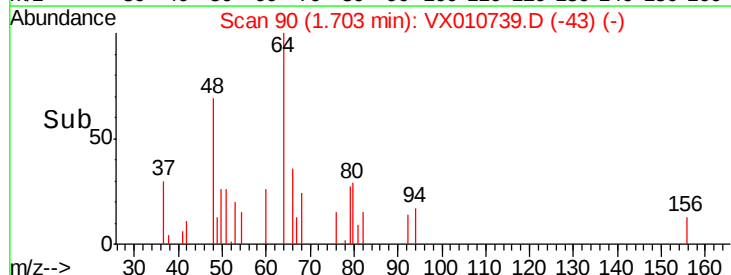


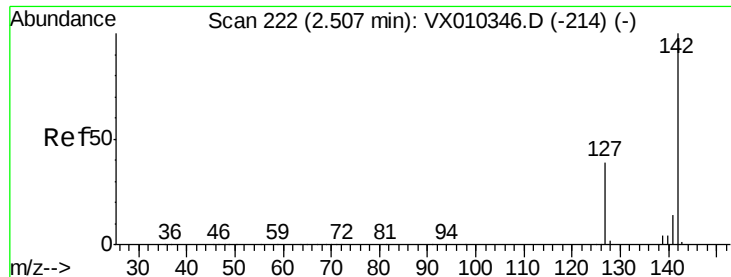
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

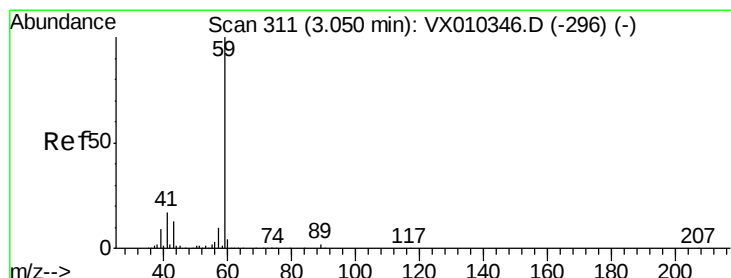
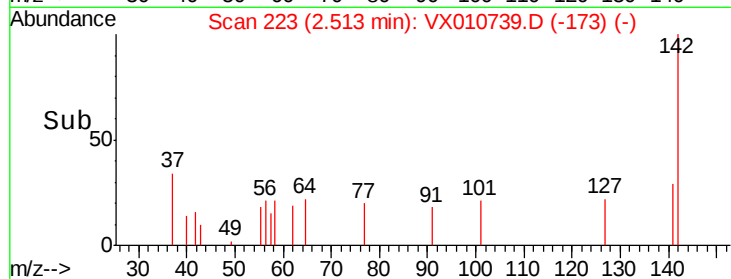
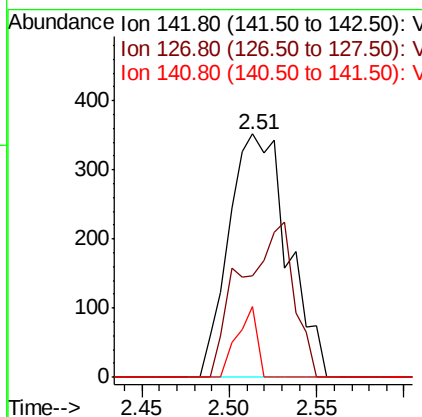
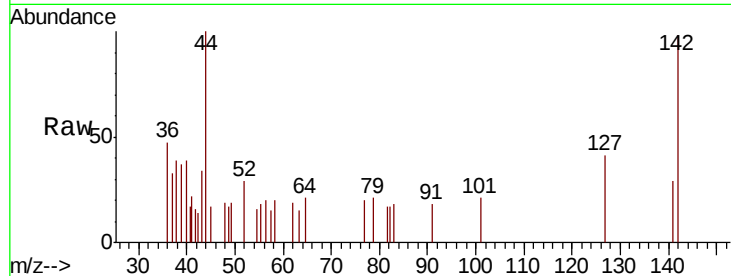




#10
Methyl Iodide
Concen: 0.310 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010739.D
Acq: 09 Jul 2019 10:33

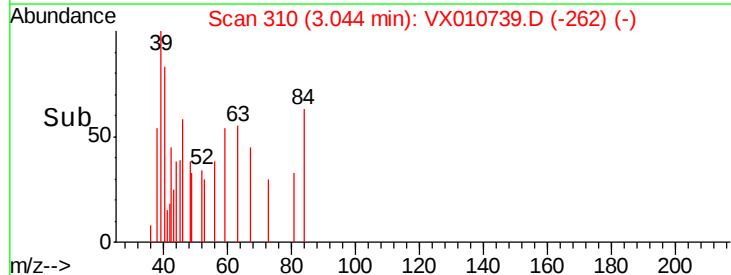
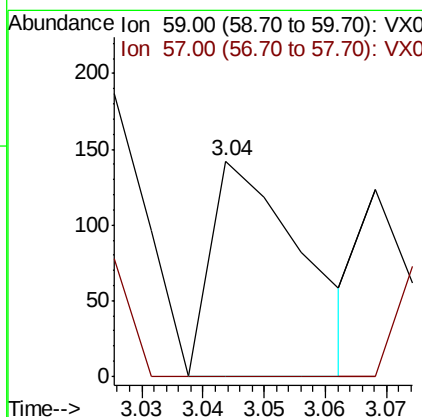
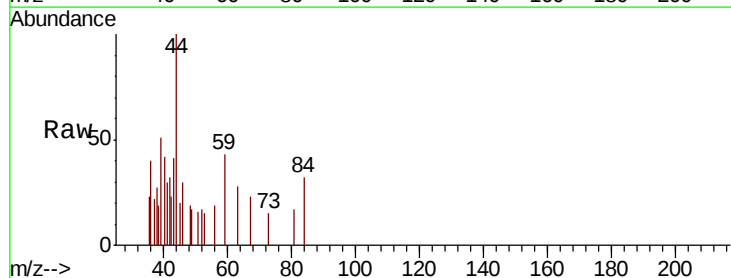
Instrument :
MSVOA_X
ClientSampleId :
VX0709WBL01

Tgt Ion: 142 Resp: 826
Ion Ratio Lower Upper
142 100
127 56.3 31.1 46.7#
141 9.9 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.271 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010739.D
Acq: 09 Jul 2019 10:33

Tgt Ion: 59 Resp: 146
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#13

Acrolein

Concen: 1.376 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010739.D

Acq: 09 Jul 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

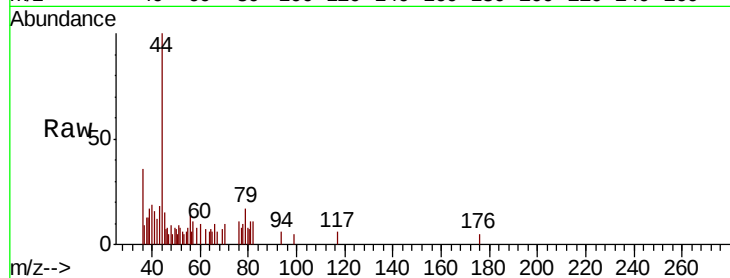
VX0709WBL01

Tgt Ion: 56 Resp: 491

Ion Ratio Lower Upper

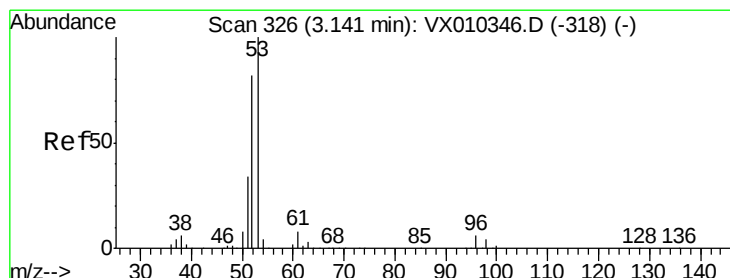
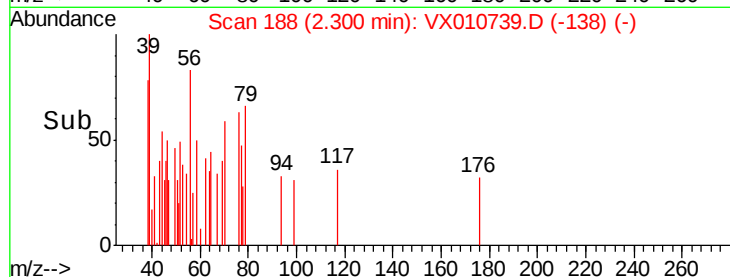
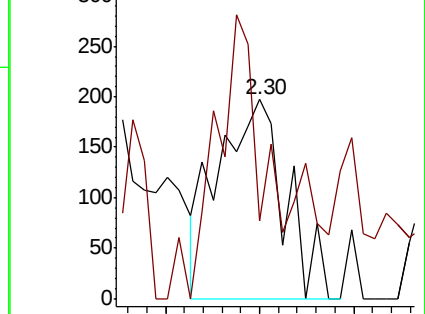
56 100

55 96.9 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.432 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010739.D

Acq: 09 Jul 2019 10:33

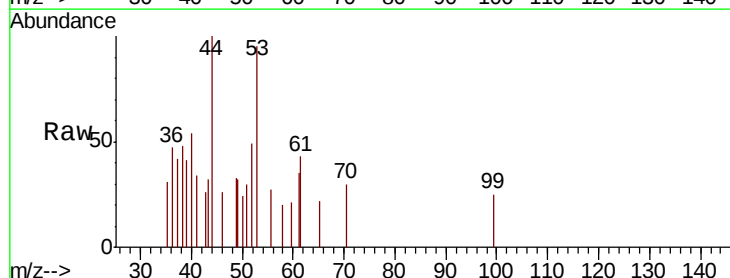
Tgt Ion: 53 Resp: 460

Ion Ratio Lower Upper

53 100

52 65.4 65.5 98.3#

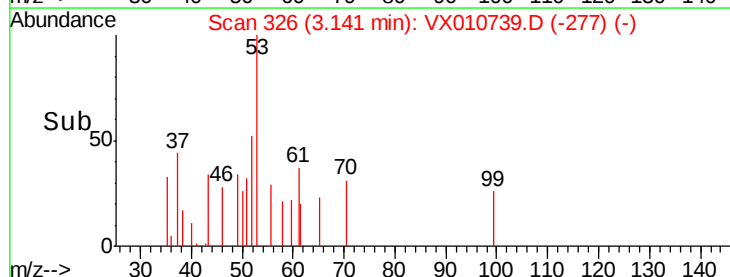
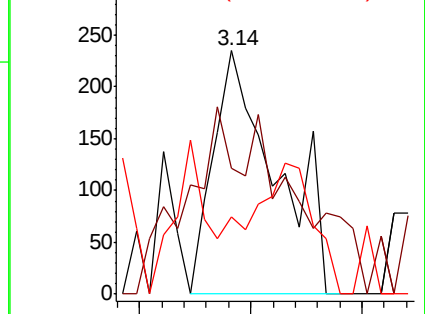
51 32.4 28.2 42.4

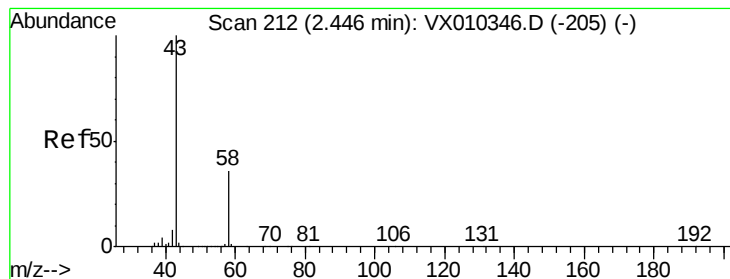


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.219 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010739.D

Acq: 09 Jul 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

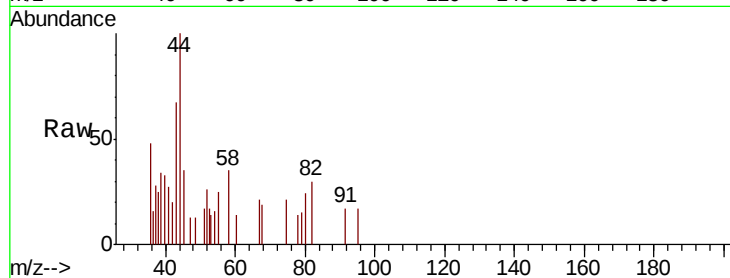
VX0709WBL01

Tgt Ion: 43 Resp: 226

Ion Ratio Lower Upper

43 100

58 44.7 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

250

200

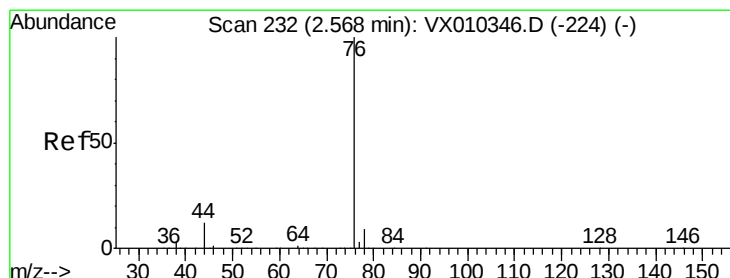
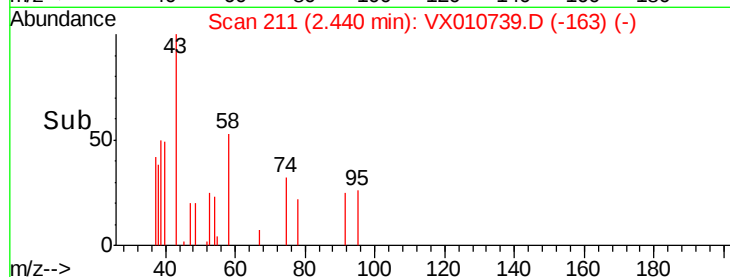
150

100

50

0

Time--> 2.40 2.42 2.44 2.46



#17

Carbon Disulfide

Concen: 0.329 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010739.D

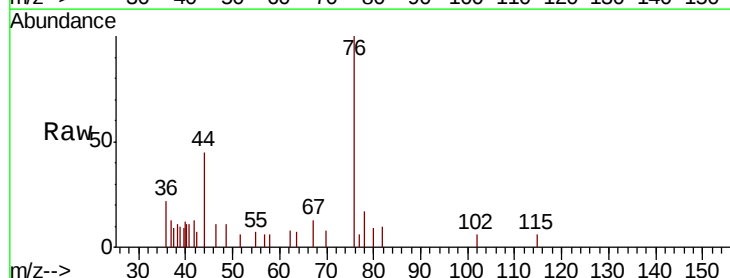
Acq: 09 Jul 2019 10:33

Tgt Ion: 76 Resp: 1678

Ion Ratio Lower Upper

76 100

78 16.8 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1000

800

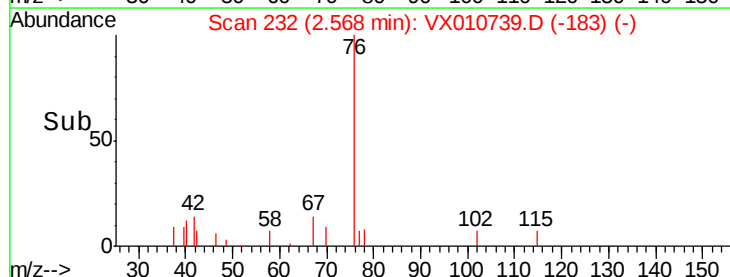
600

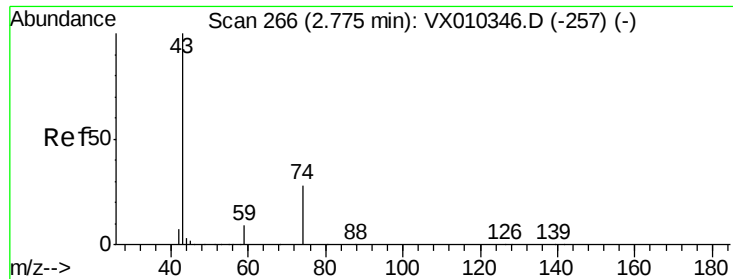
400

200

0

Time--> 2.50 2.55 2.60 2.65

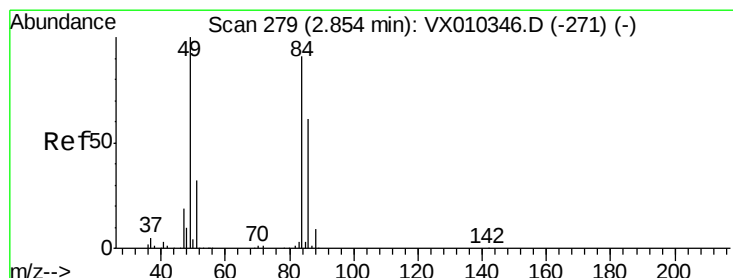
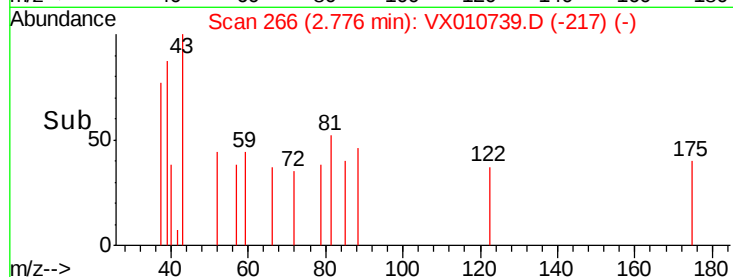
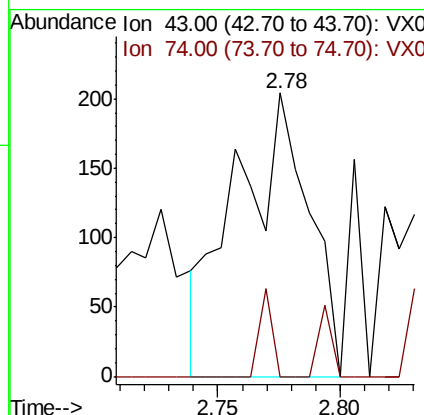
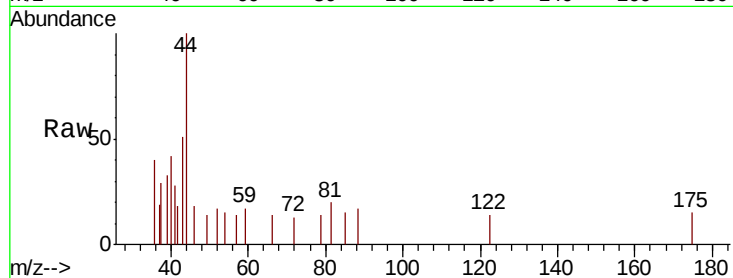




#18
Methyl Acetate
Concen: 0.205 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010739.D
Acq: 09 Jul 2019 10:33

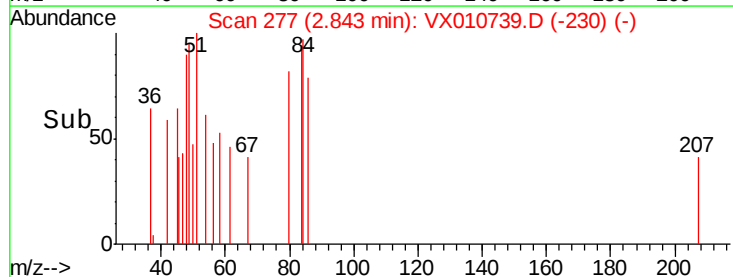
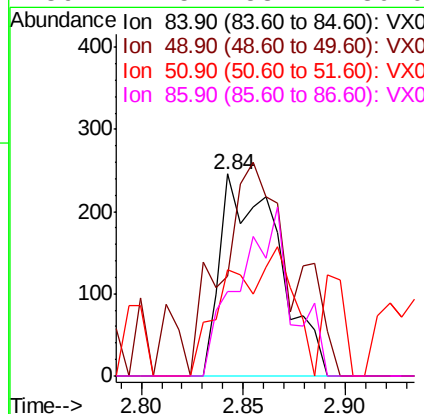
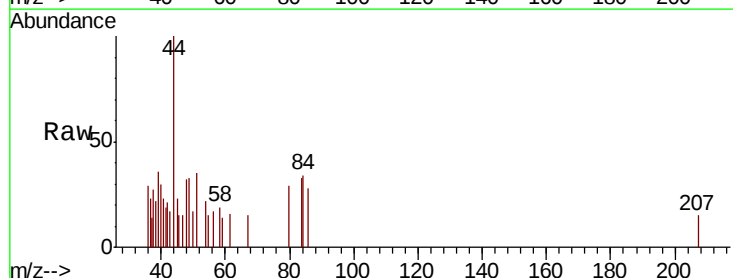
Instrument :
MSVOA_X
ClientSampled :
VX0709WBL01

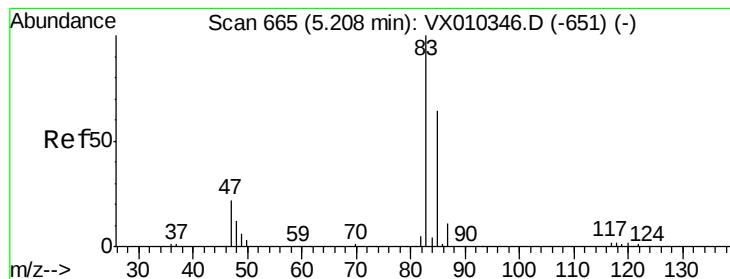
Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
74 5.5 21.3 31.9#



#20
Methylene Chloride
Concen: 0.229 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX010739.D
Acq: 09 Jul 2019 10:33

Tgt Ion: 84 Resp: 485
Ion Ratio Lower Upper
84 100
49 49.6 87.5 131.3#
51 52.4 27.7 41.5#
86 41.5 53.4 80.0#





#30

Chloroform

Concen: 0.222 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX010739.D

Acq: 09 Jul 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

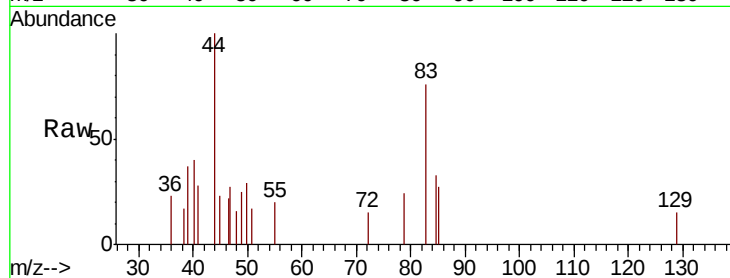
VX0709WBL01

Tgt Ion: 83 Resp: 779

Ion Ratio Lower Upper

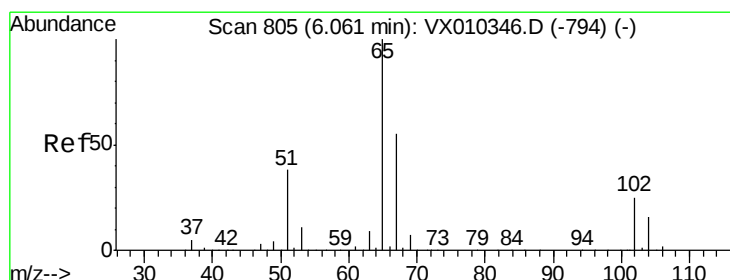
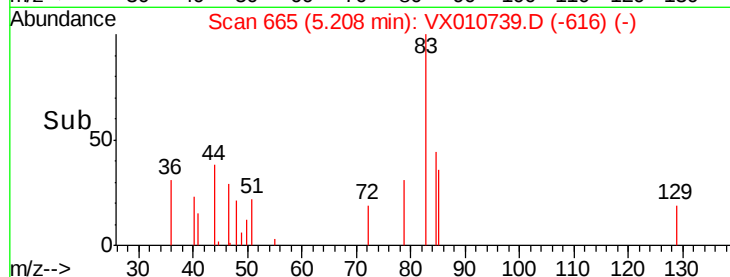
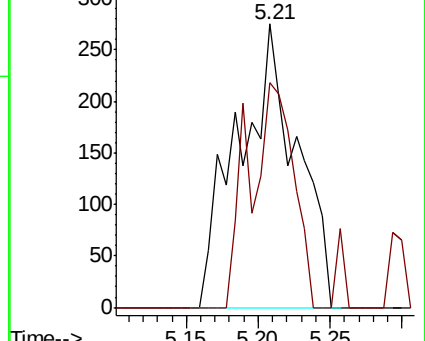
83 100

85 79.3 50.9 76.3#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.653 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010739.D

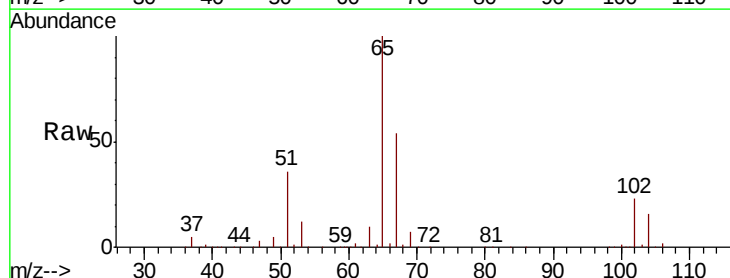
Acq: 09 Jul 2019 10:33

Tgt Ion: 65 Resp: 108274

Ion Ratio Lower Upper

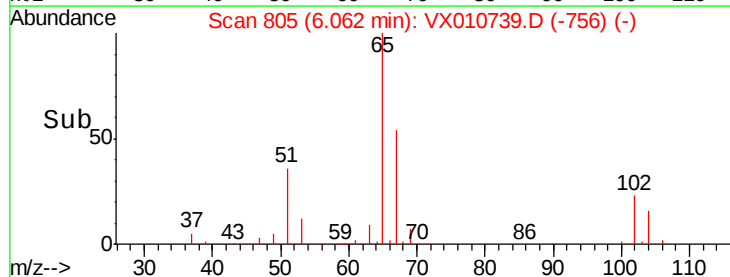
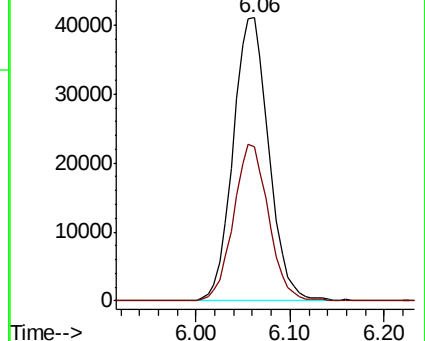
65 100

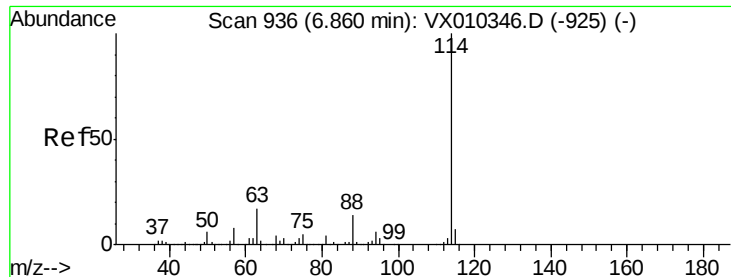
67 54.5 0.0 110.2



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: VX010739.D

Acq: 09 Jul 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBL01

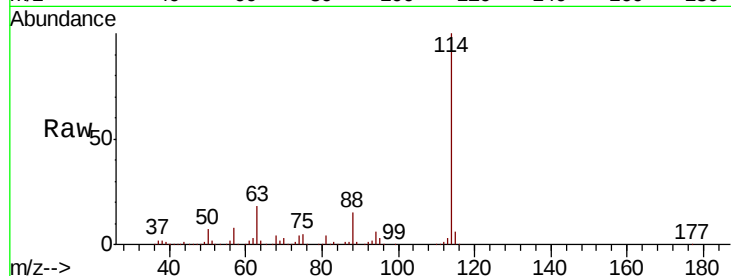
Tgt Ion:114 Resp: 337050

Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.8

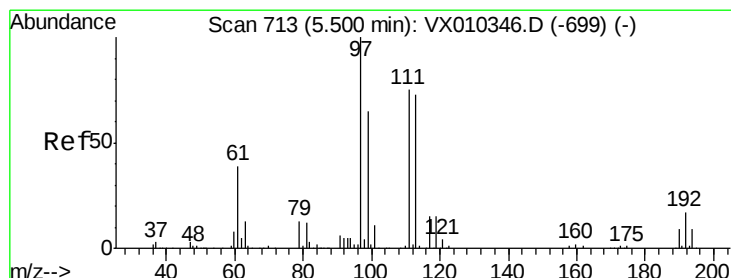
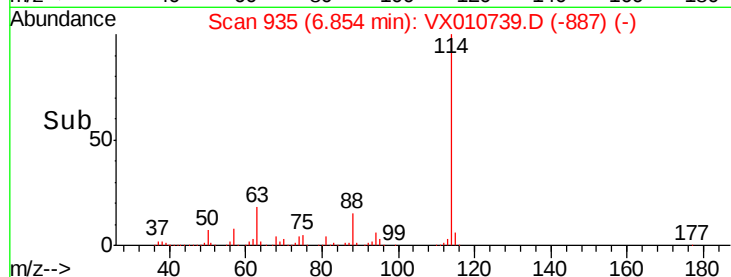
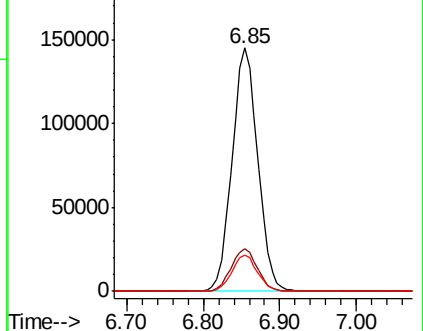
88 14.8 0.0 27.6



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: 50.302 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010739.D

Acq: 09 Jul 2019 10:33

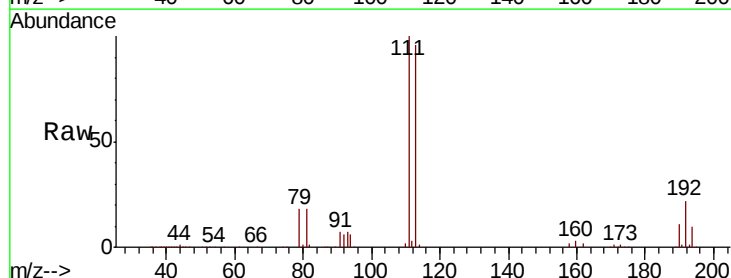
Tgt Ion:113 Resp: 103733

Ion Ratio Lower Upper

113 100

111 102.9 81.2 121.8

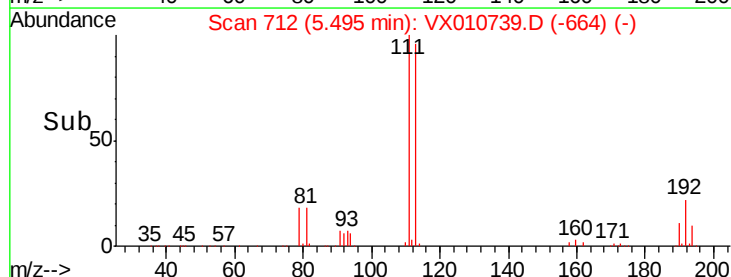
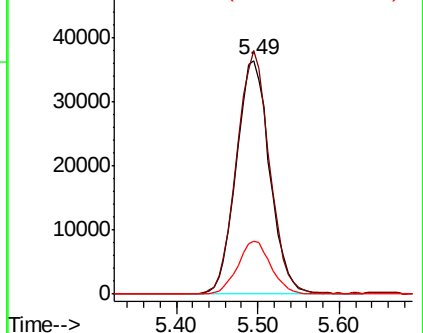
192 22.5 18.6 27.8

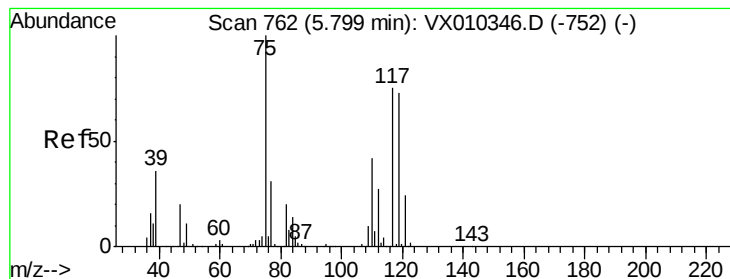


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.138 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010739.D

Acq: 09 Jul 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBL01

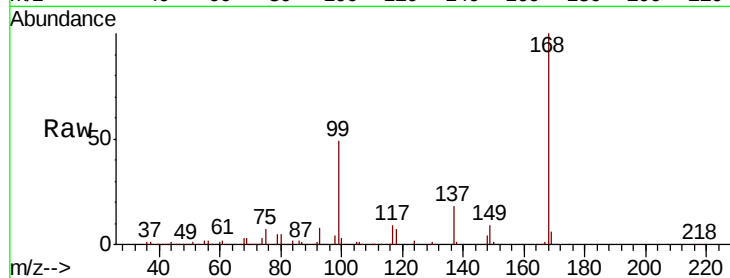
Tgt Ion: 75 Resp: 13762

Ion Ratio Lower Upper

75 100

110 10.5 20.8 62.2#

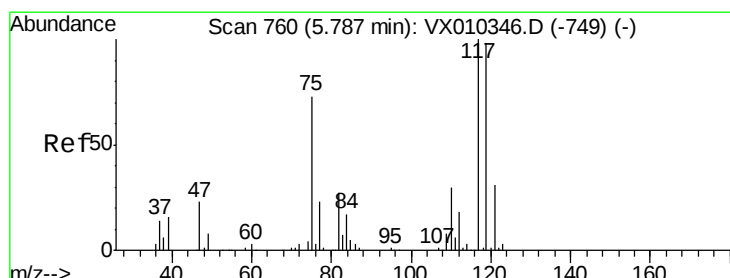
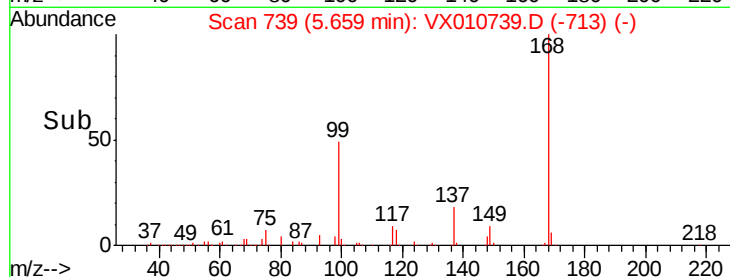
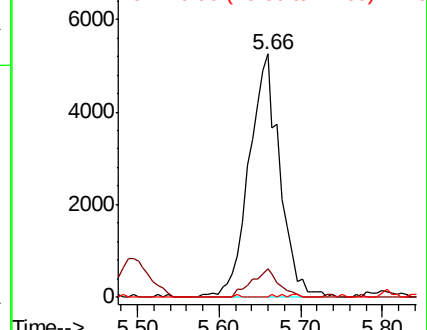
77 0.1 25.4 38.0#



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: 6.631 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX010739.D

Acq: 09 Jul 2019 10:33

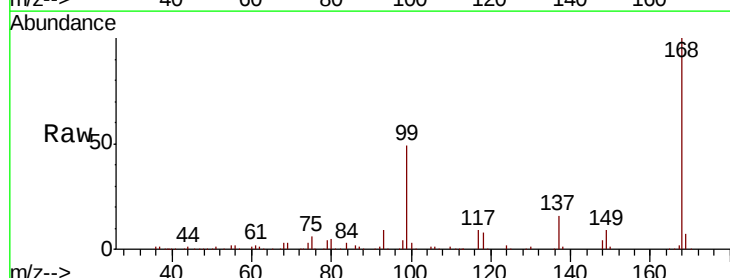
Tgt Ion: 117 Resp: 19232

Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.4#

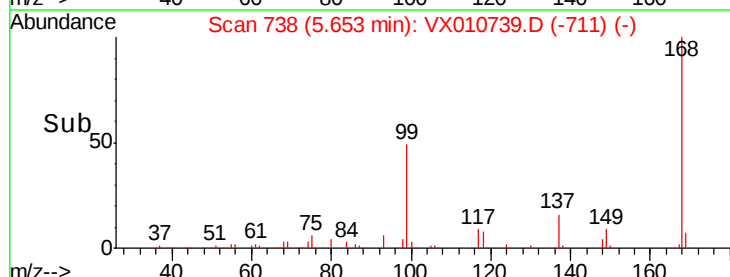
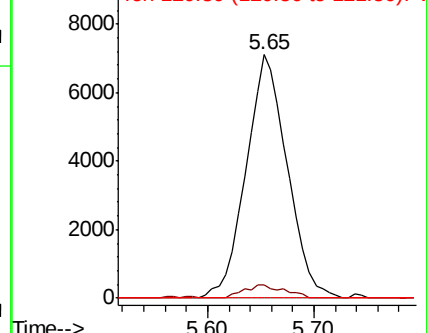
121 0.0 24.7 37.1#

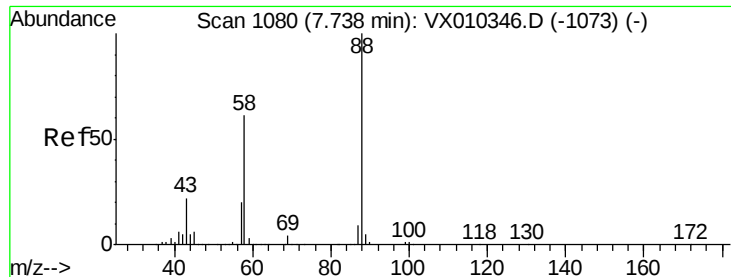


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

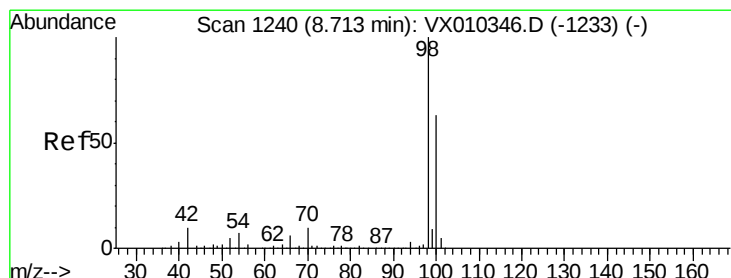
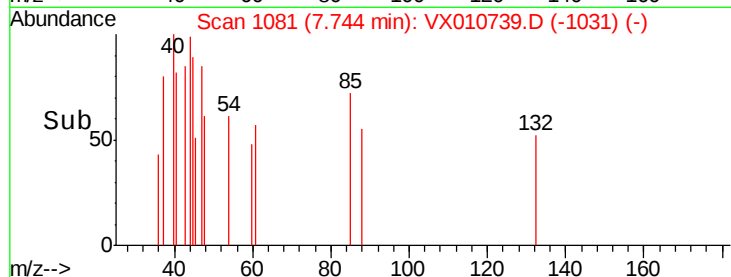
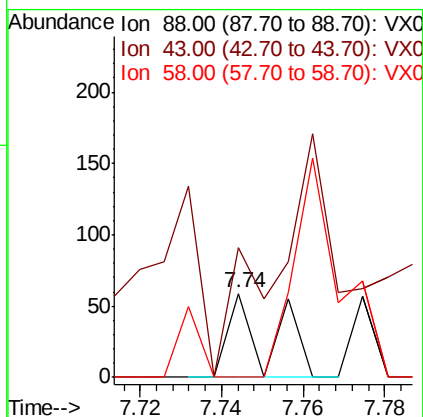
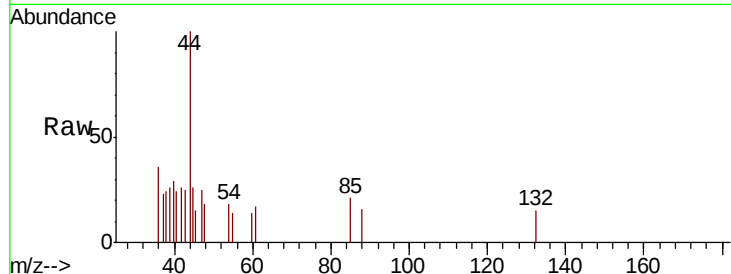




#49
1,4-Dioxane
Concen: 0.688 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX010739.D
Acq: 09 Jul 2019 10:33

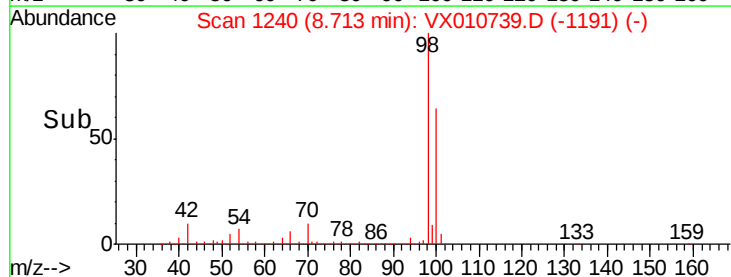
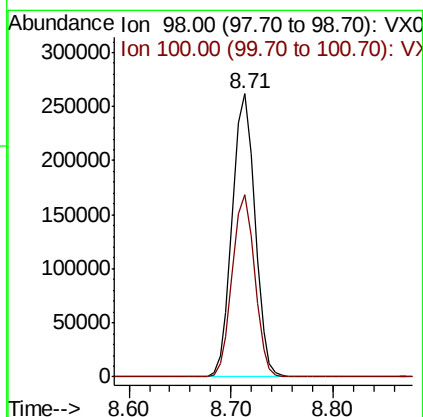
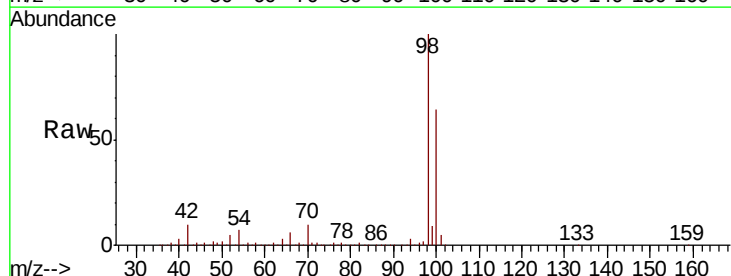
Instrument :
MSVOA_X
ClientSampled :
VX0709WBL01

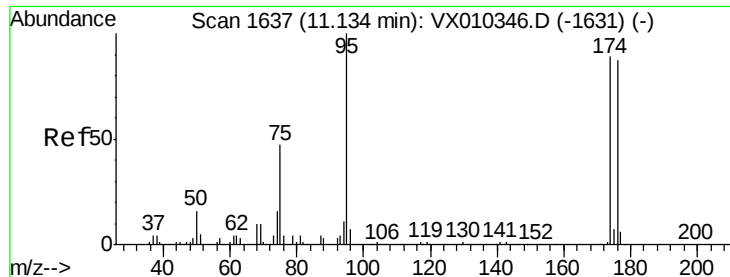
Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 302.4 20.2 30.2#
58 42.9 49.5 74.3#



#50
Toluene-d8
Concen: 51.133 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010739.D
Acq: 09 Jul 2019 10:33

Tgt Ion: 98 Resp: 403416
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 46.344 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010739.D

Acq: 09 Jul 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBL01

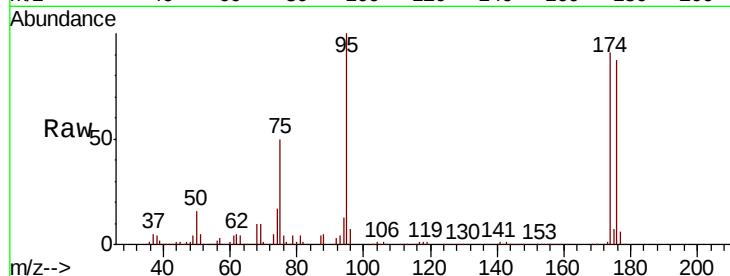
Tgt Ion: 95 Resp: 132005

Ion Ratio Lower Upper

95 100

174 94.5 0.0 187.6

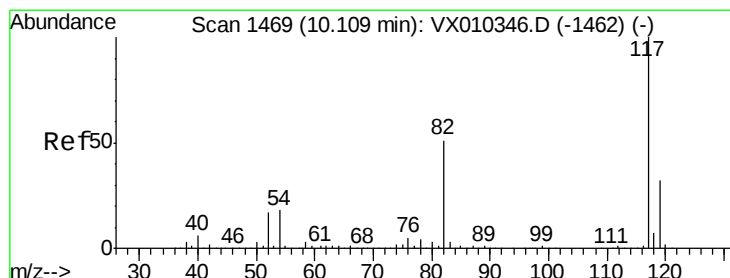
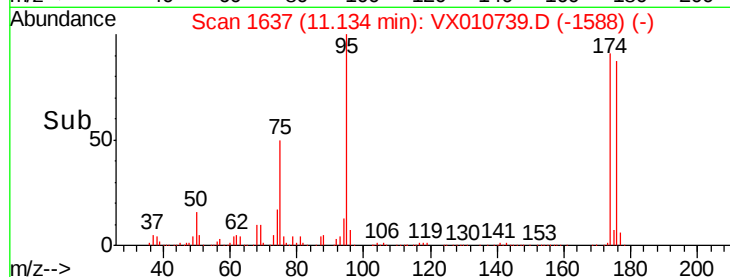
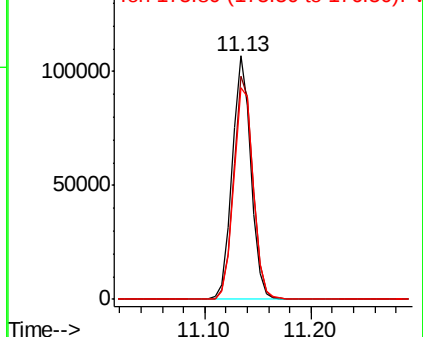
176 91.6 0.0 184.0



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: VX010739.D

Acq: 09 Jul 2019 10:33

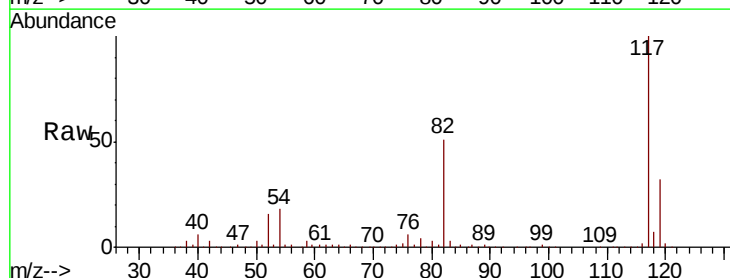
Tgt Ion: 117 Resp: 305796

Ion Ratio Lower Upper

117 100

82 50.7 41.2 61.8

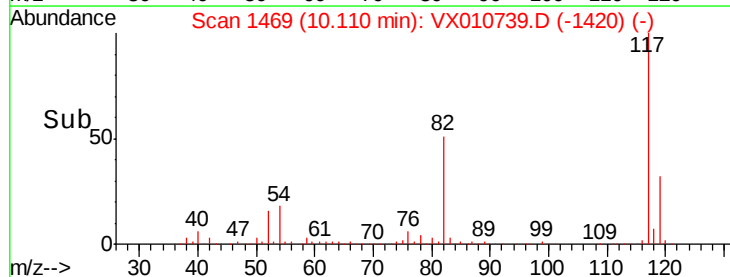
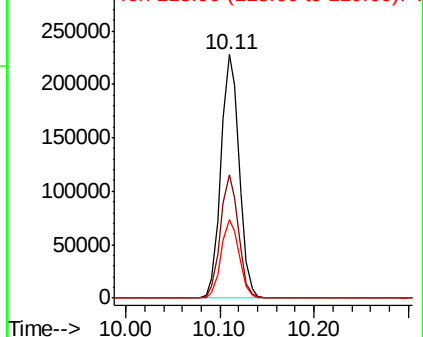
119 32.4 25.5 38.3

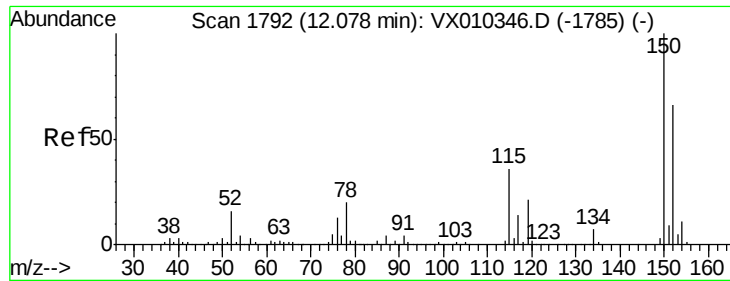


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX010739.D

Acq: 09 Jul 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBL01

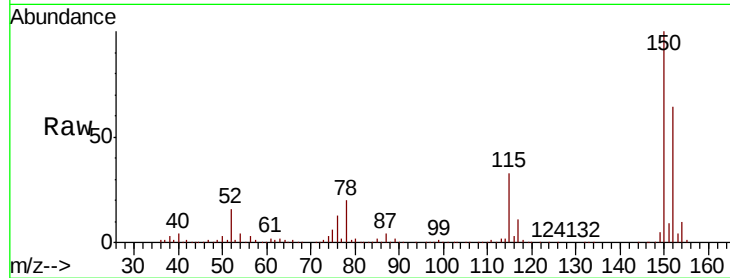
Tgt Ion:152 Resp: 137735

Ion Ratio Lower Upper

152 100

115 54.1 38.6 115.7

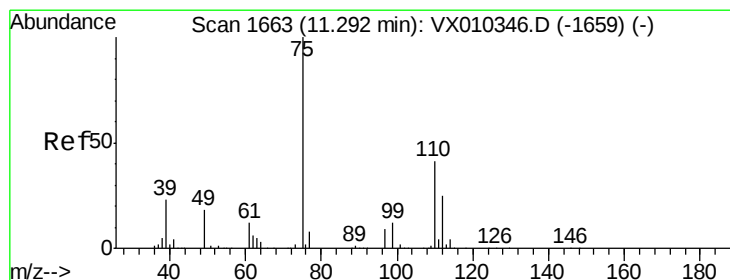
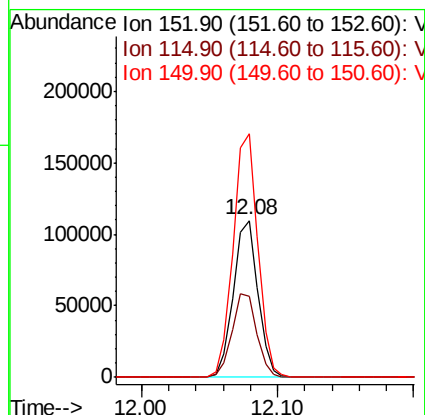
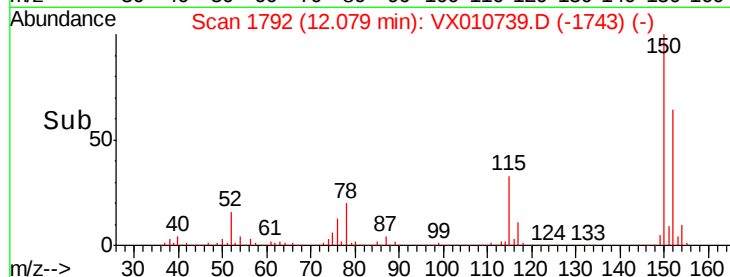
150 156.7 0.0 347.4



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: 25.780 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010739.D

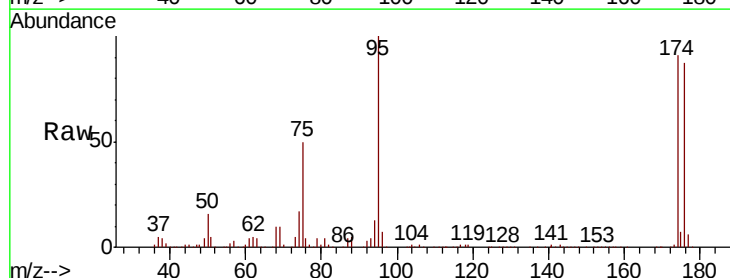
Acq: 09 Jul 2019 10:33

Tgt Ion: 75 Resp: 64704

Ion Ratio Lower Upper

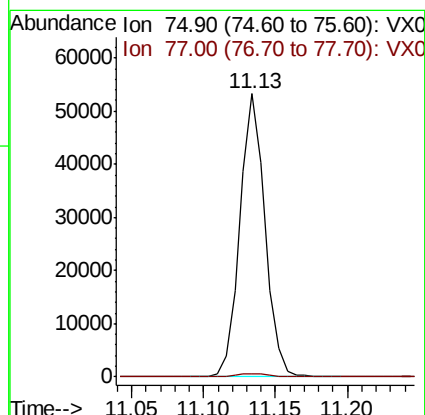
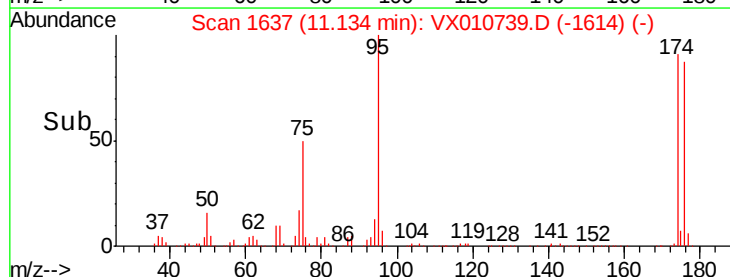
75 100

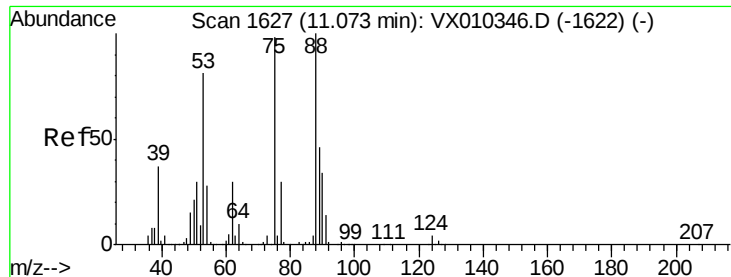
77 1.5 22.6 67.8#



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: 60.141 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010739.D
 Acq: 09 Jul 2019 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBL01

Tgt Ion: 75 Resp: 64704
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.1 99.1#
 89 0.1 37.8 56.6#

