

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020519\
 Data File : VX007366.D
 Acq On : 05 Feb 2019 10:32
 Operator : JC/SP
 Sample : VX0205WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0205WBL01

Quant Time: Feb 06 00:14:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	516965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	800892	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	755231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	367602	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	285509	52.03	ug/l	0.00
Spiked Amount						
			Recovery	=	104.06%	
35) Dibromofluoromethane	5.50	113	256557	49.23	ug/l	0.00
Spiked Amount						
			Recovery	=	98.46%	
50) Toluene-d8	8.71	98	959015	49.60	ug/l	0.00
Spiked Amount						
			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	11.13	95	339950	48.16	ug/l	0.00
Spiked Amount						
			Recovery	=	96.32%	

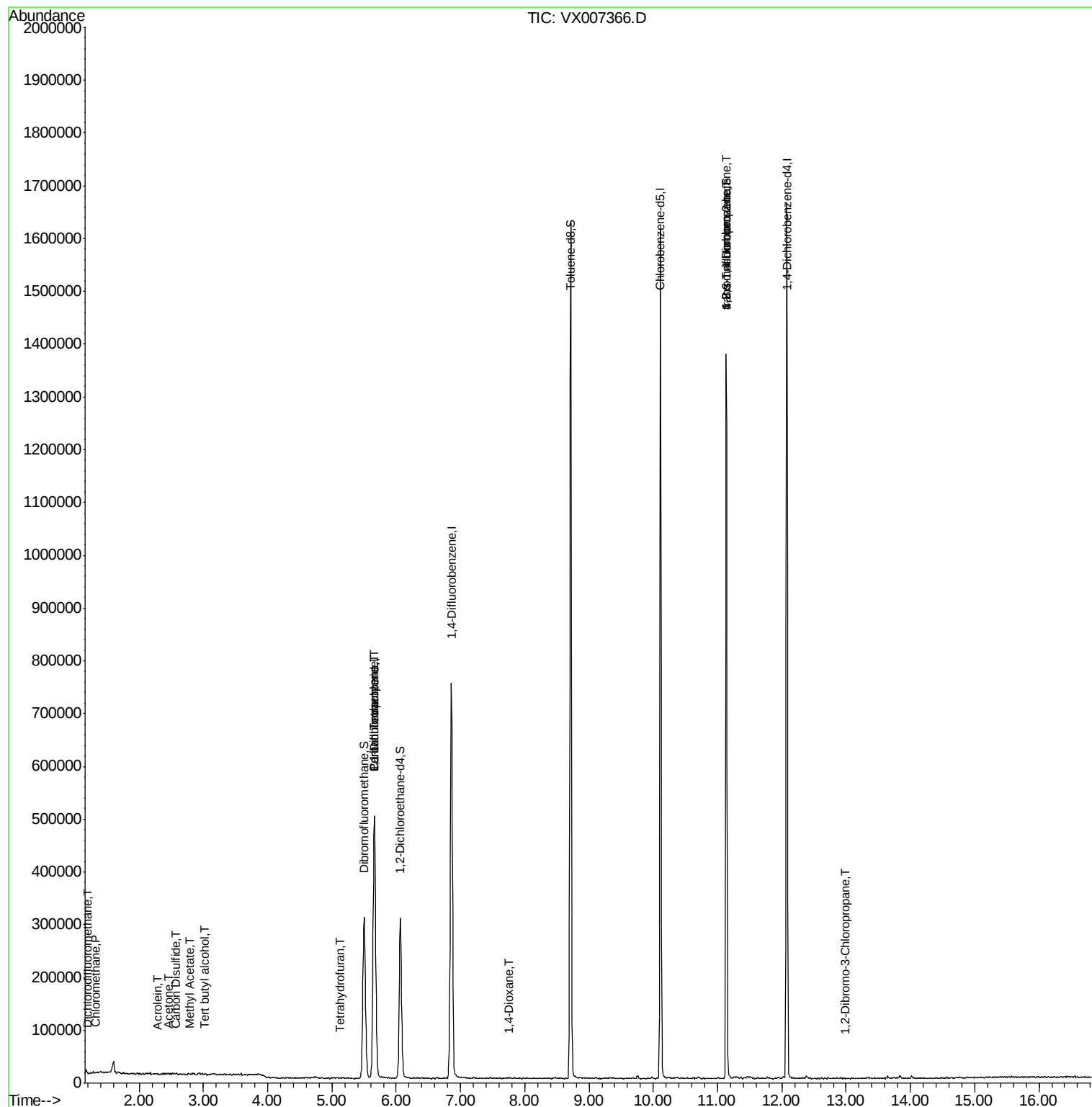
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	153	0.201	ug/l	99
3) Chloromethane	1.33	50	1261	0.217	ug/l #	87
5) Bromomethane	1.65	94	1421	Below Cal	#	63
11) Tert butyl alcohol	3.01	59	270	0.238	ug/l #	1
13) Acrolein	2.29	56	270	0.507	ug/l #	44
16) Acetone	2.45	43	1225	0.487	ug/l #	57
17) Carbon Disulfide	2.57	76	2355	2.296	ug/l	99
18) Methyl Acetate	2.78	43	1501	0.820	ug/l #	63
20) Methylene Chloride	2.86	84	1546	Below Cal	#	42
29) Tetrahydrofuran	5.13	42	682	0.303	ug/l #	69
36) 1,1-Dichloropropene	5.66	75	34580	4.812	ug/l #	49
38) Carbon Tetrachloride	5.66	117	47416	6.801	ug/l #	15
49) 1,4-Dioxane	7.74	88	423	10.173	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	165393	23.131	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	165393	69.678	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	12.99	75	361	0.228	ug/l #	19

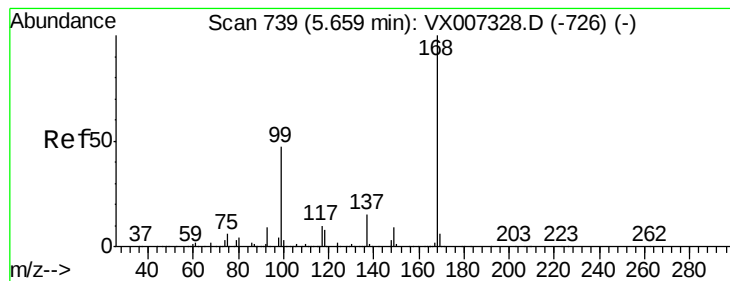
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020519\
Data File : VX007366.D
Acq On : 05 Feb 2019 10:32
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Sample : VX0205WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBL01

Quant Time: Feb 06 00:14:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007366.D

Acq: 05 Feb 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

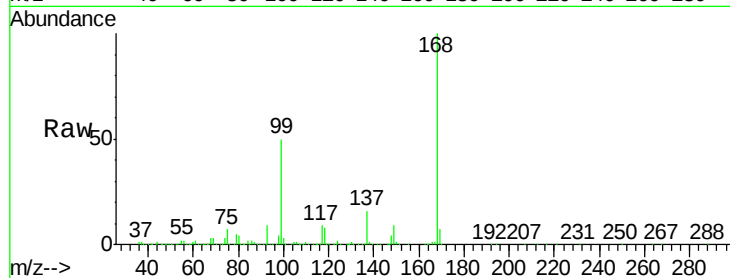
VX0205WBL01

Tot Ion:168 Resp: 516965

Ion Ratio Lower Upper

168 100

99 50.2 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

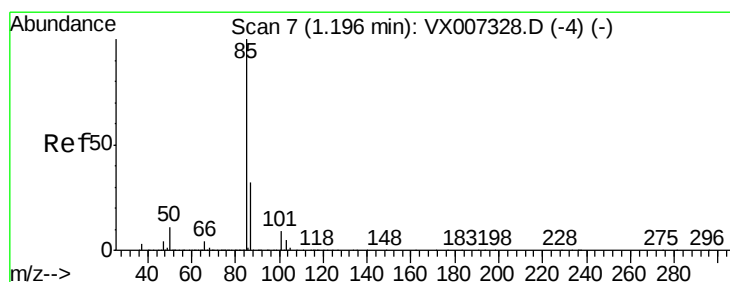
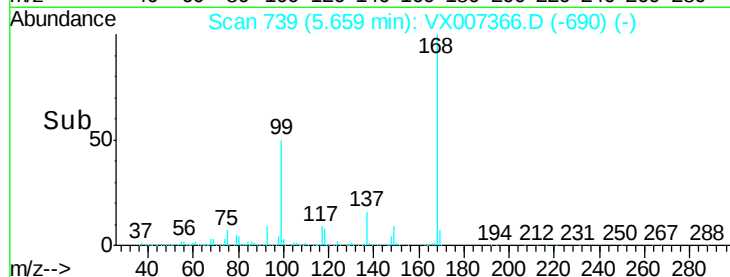
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.201 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007366.D

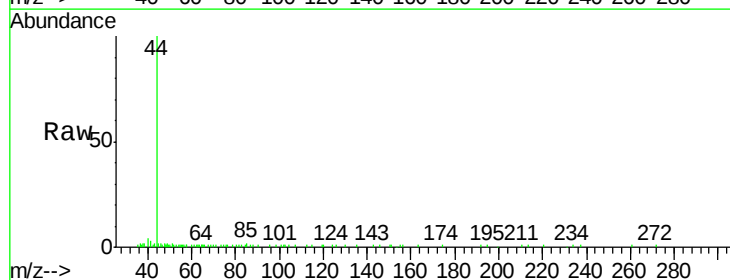
Acq: 05 Feb 2019 10:32

Tgt Ion: 85 Resp: 153

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250

200

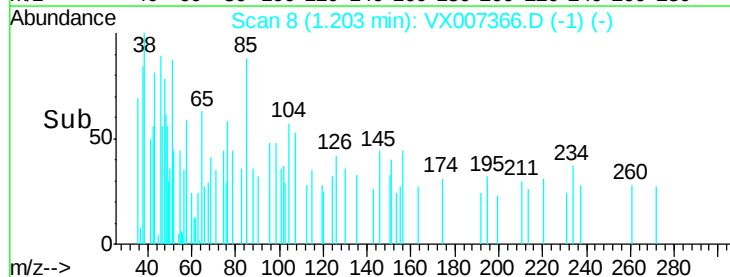
150

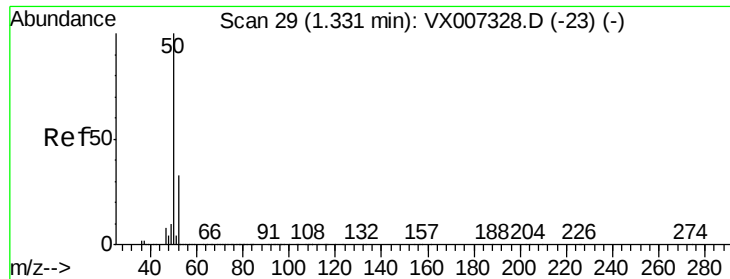
100

50

0

Time--> 1.18 1.20 1.22 1.24





#3

Chloromethane

Concen: 0.217 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007366.D

Acq: 05 Feb 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

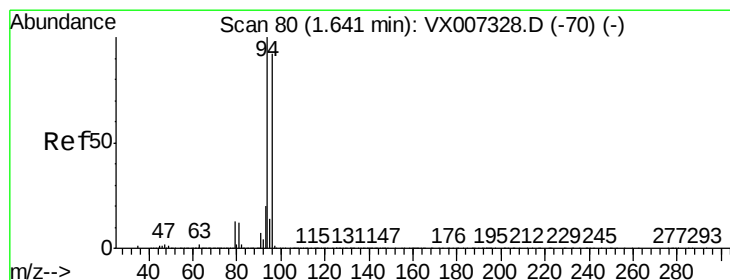
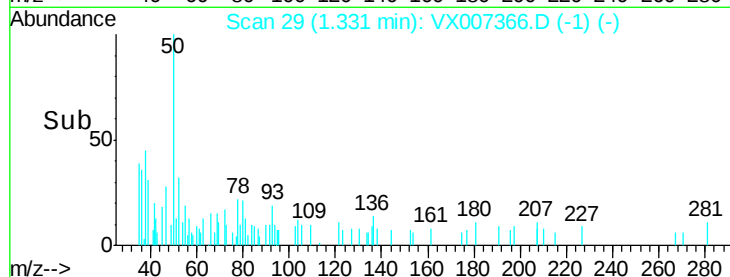
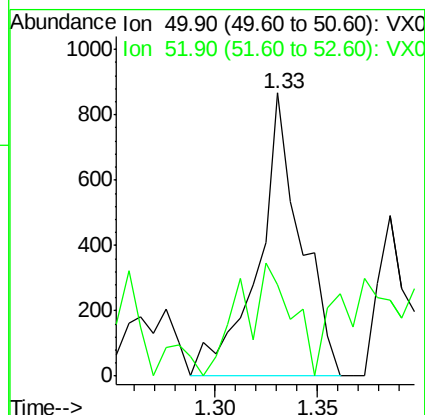
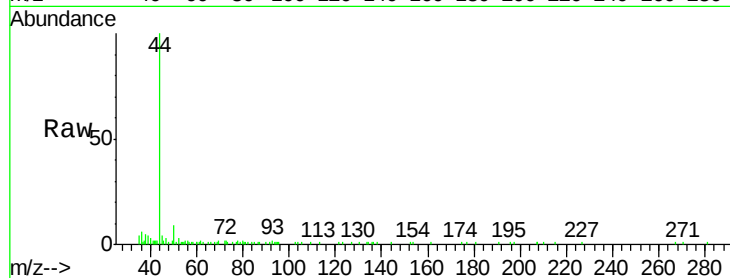
VX0205WBL01

Tot Ion: 50 Resp: 1261

Ion Ratio Lower Upper

50 100

52 25.3 26.1 39.1#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007366.D

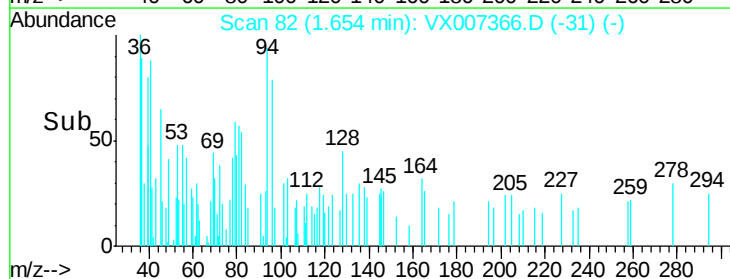
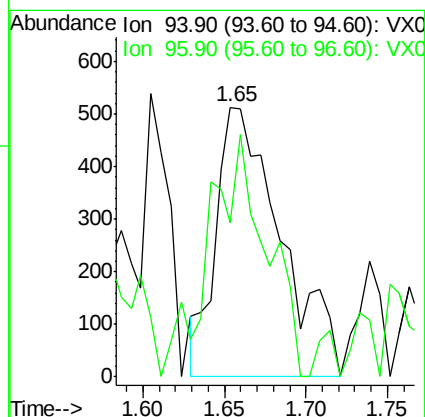
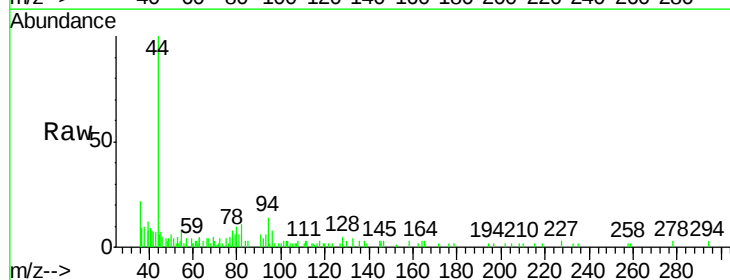
Acq: 05 Feb 2019 10:32

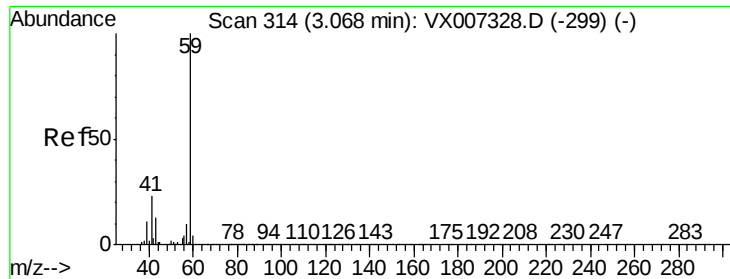
Tgt Ion: 94 Resp: 1421

Ion Ratio Lower Upper

94 100

96 57.3 73.9 110.9#



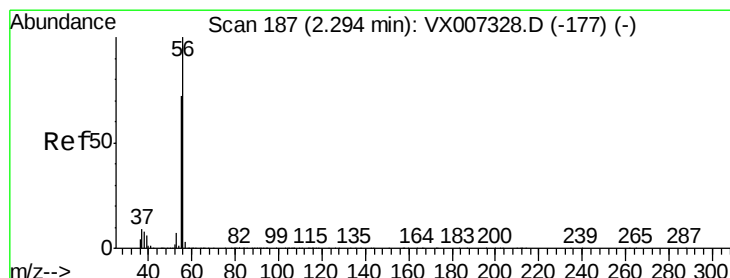
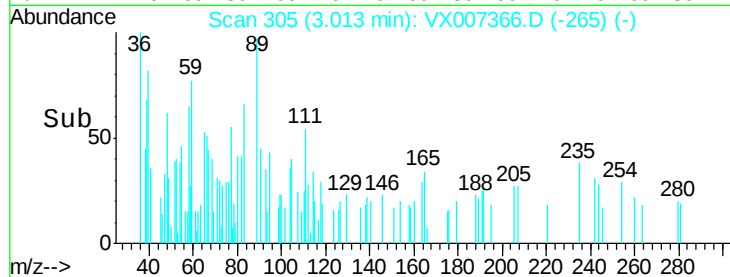
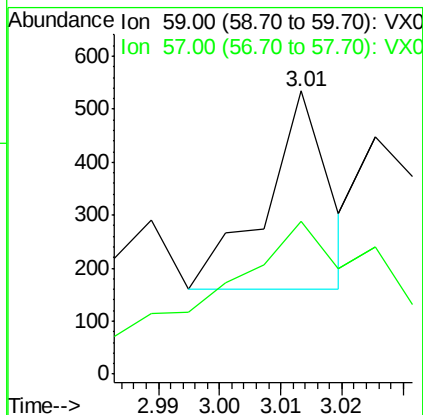
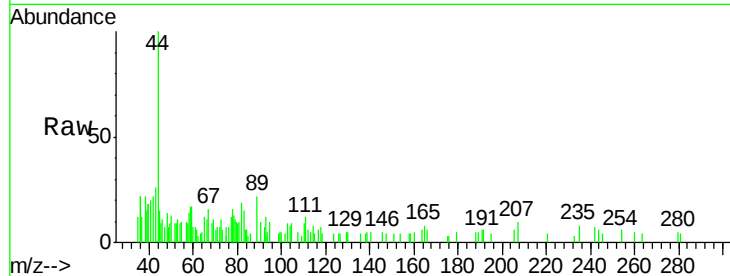


#11

Tert butvl alcohol
Concen: 0.238 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.05 min
Lab File: VX007366.D
Acq: 05 Feb 2019 10:32

Instrument :
MSVOA_X
ClientSampled :
VX0205WBL01

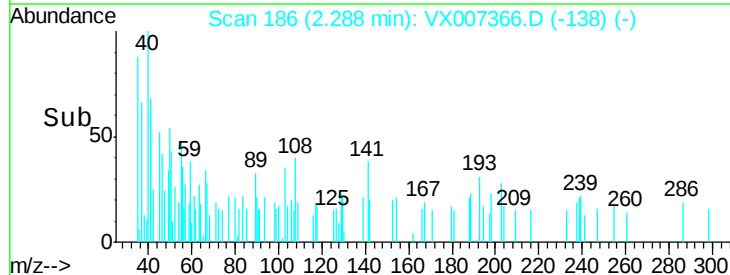
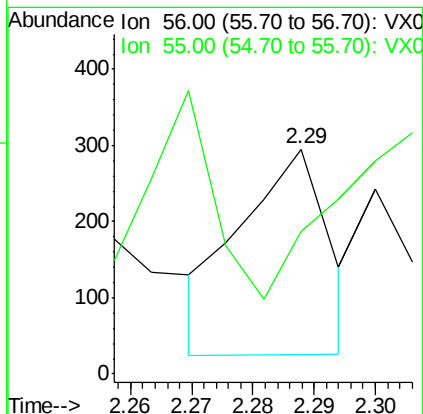
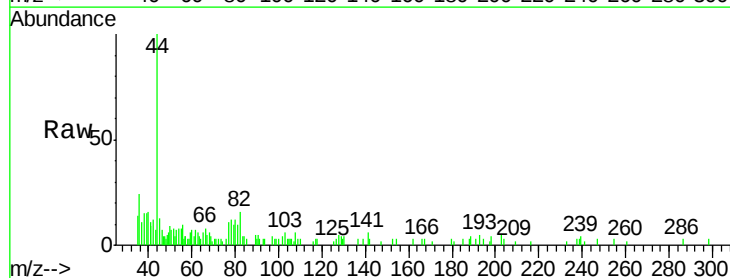
Tot Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 144.8 8.1 12.1#

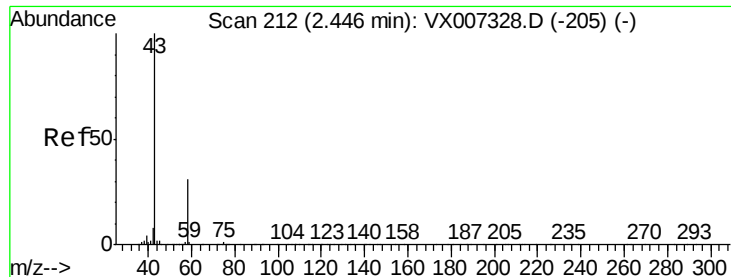


#13

Acrolein
Concen: 0.507 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX007366.D
Acq: 05 Feb 2019 10:32

Tgt Ion: 56 Resp: 270
Ion Ratio Lower Upper
56 100
55 117.8 56.9 85.3#





#16

Acetone

Concen: 0.487 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007366.D

Acq: 05 Feb 2019 10:32

Instrument :

MSVOA_X

ClientSampled :

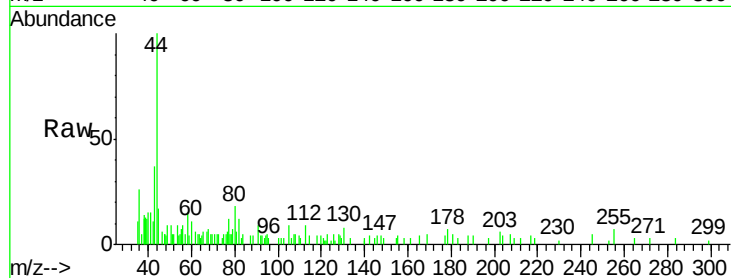
VX0205WBL01

Tot Ion: 43 Resp: 1225

Ion Ratio Lower Upper

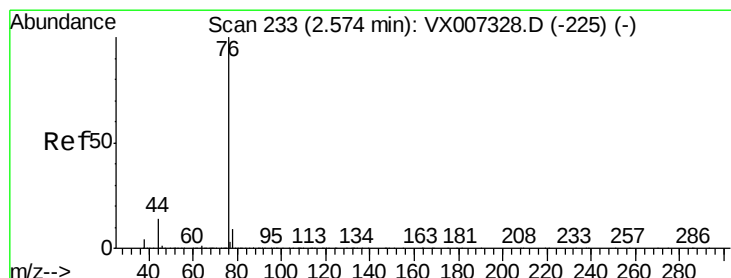
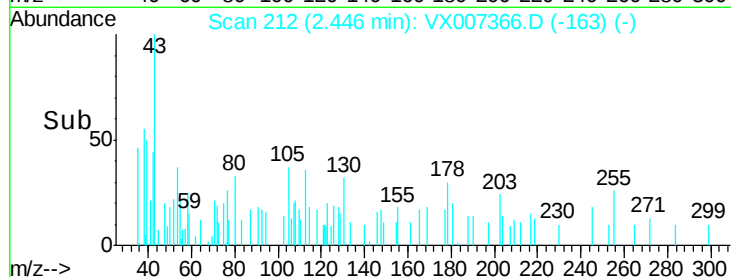
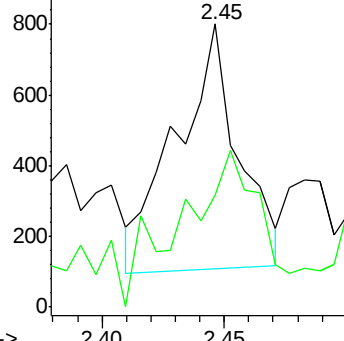
43 100

58 54.8 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 2.296 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007366.D

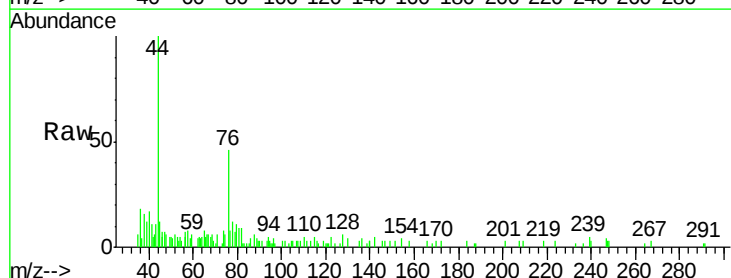
Acq: 05 Feb 2019 10:32

Tgt Ion: 76 Resp: 2355

Ion Ratio Lower Upper

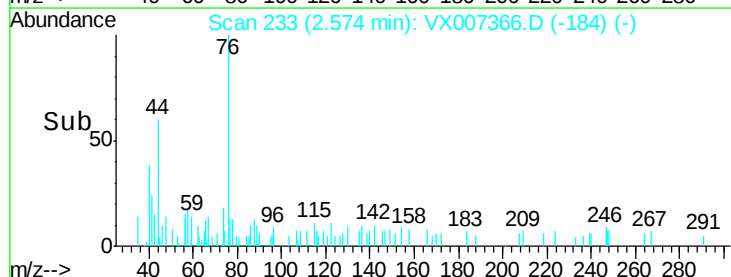
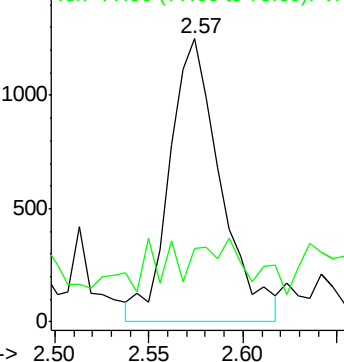
76 100

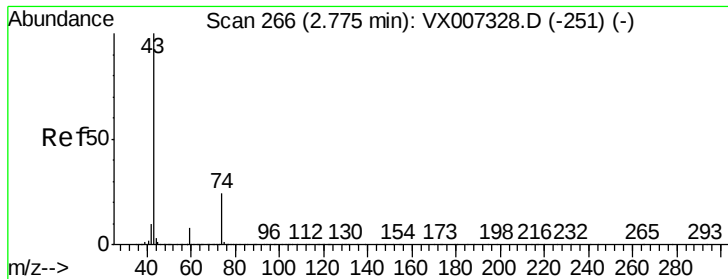
78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

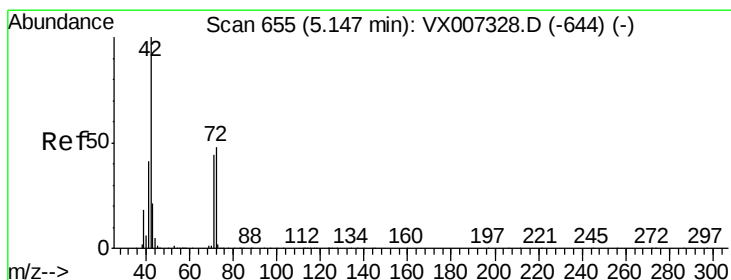
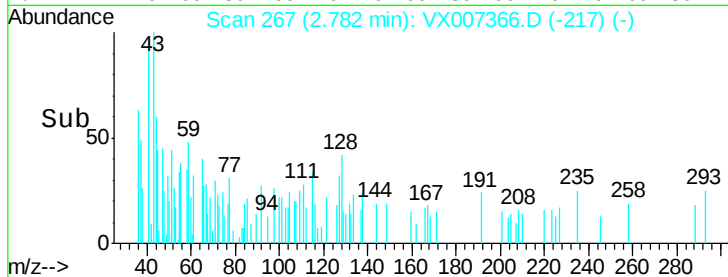
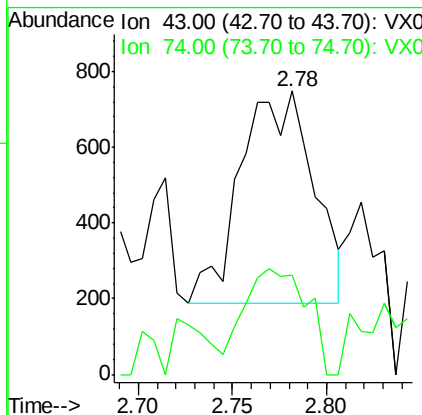
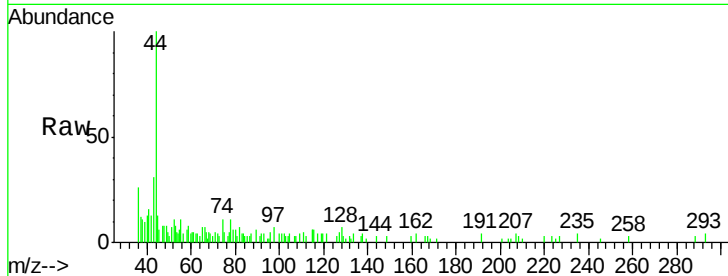




#18
Methyl Acetate
Concen: 0.820 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007366.D
Acq: 05 Feb 2019 10:32

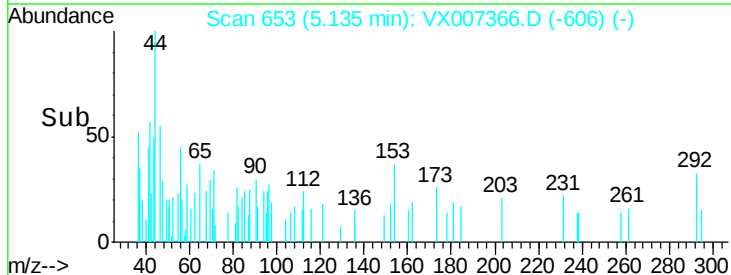
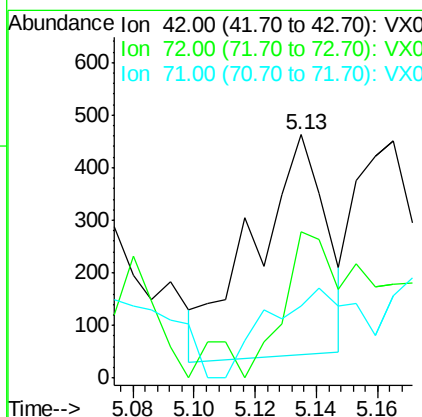
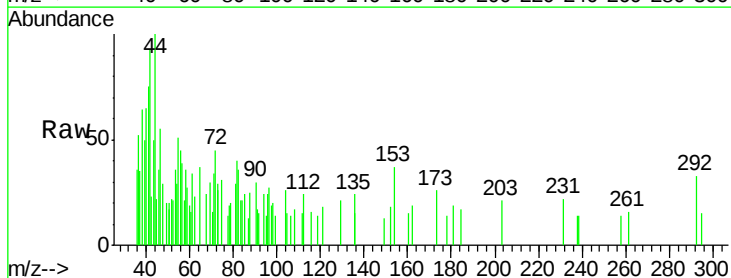
Instrument :
MSVOA_X
ClientSampleId :
VX0205WBL01

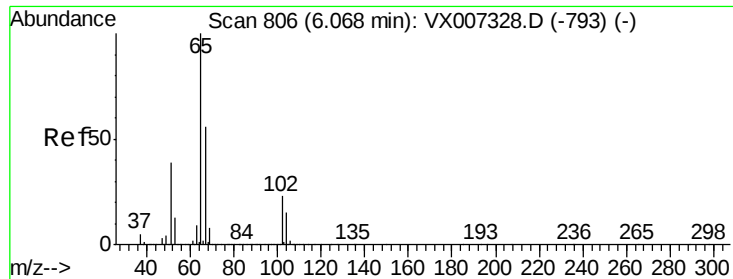
Tot Ion: 43 Resp: 1501
Ion Ratio Lower Upper
43 100
74 42.7 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.303 ug/l
RT: 5.13 min Scan# 653
Delta R.T. -0.01 min
Lab File: VX007366.D
Acq: 05 Feb 2019 10:32

Tgt Ion: 42 Resp: 682
Ion Ratio Lower Upper
42 100
72 77.9 37.6 56.4#
71 52.5 34.6 51.8#





#33

1,2-Dichloroethane-d4

Concen: 52.032 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007366.D

Acq: 05 Feb 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

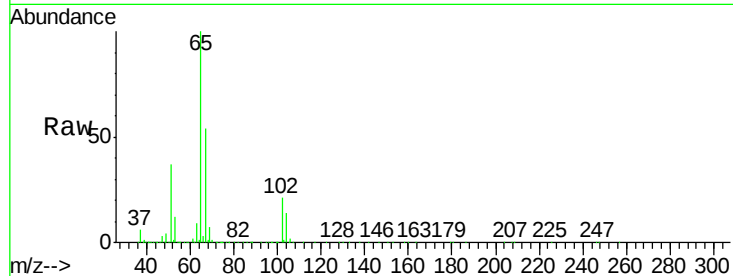
VX0205WBL01

Tot Ion: 65 Resp: 285509

Ion Ratio Lower Upper

65 100

67 52.5 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

120000

100000

80000

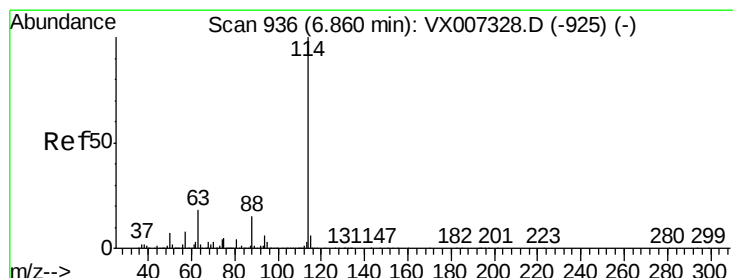
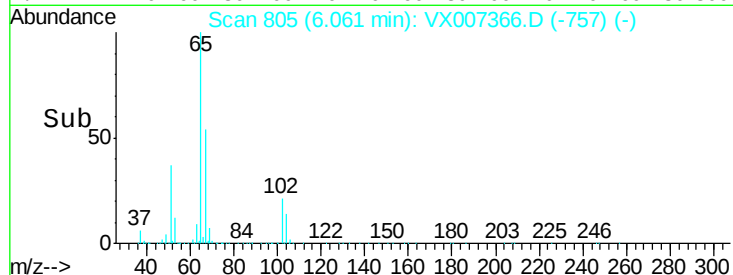
60000

40000

20000

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: VX007366.D

Acq: 05 Feb 2019 10:32

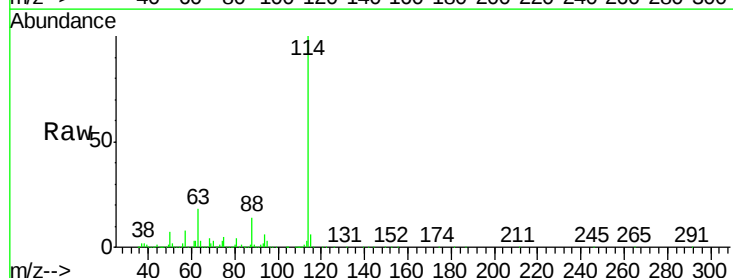
Tgt Ion: 114 Resp: 800892

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

88 14.1 0.0 29.6



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

6.86

400000

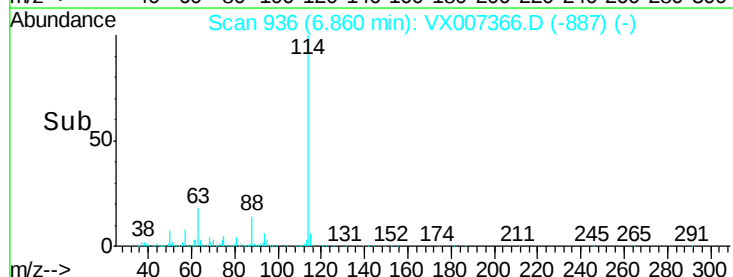
300000

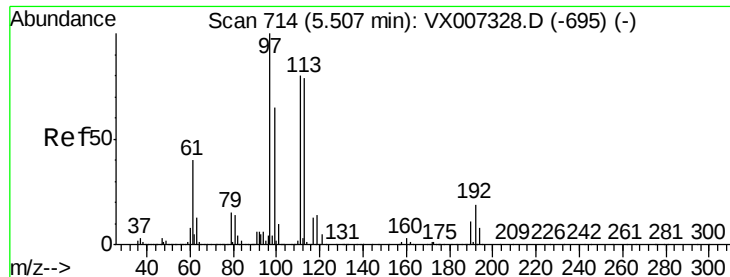
200000

100000

0

Time--> 6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 49.233 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007366.D

Acq: 05 Feb 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBL01

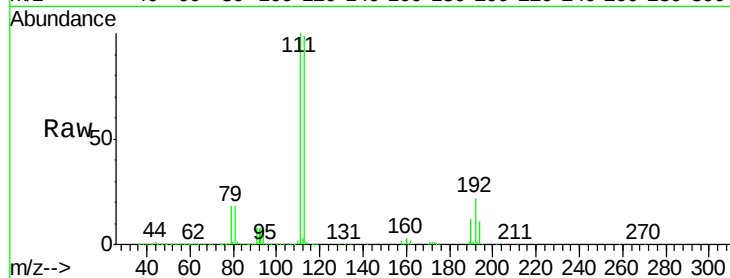
Tot Ion:113 Resp: 256557

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.8

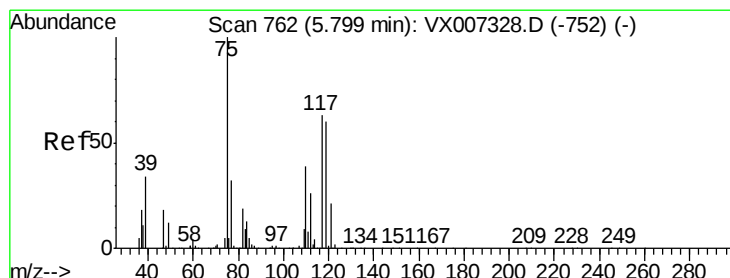
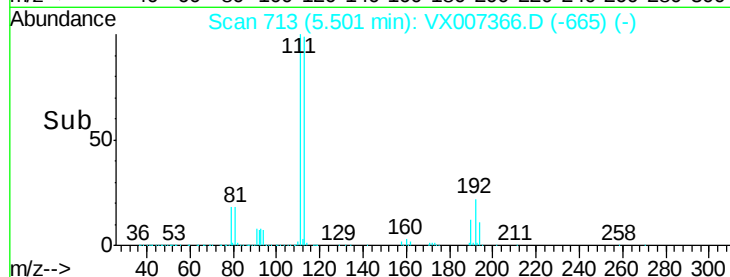
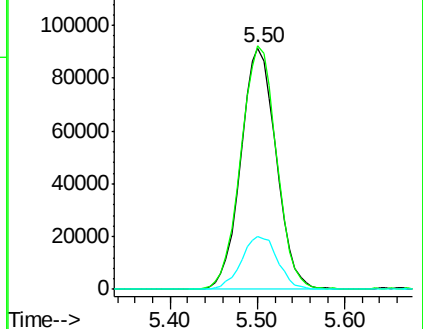
192 22.7 18.5 27.7



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: 4.812 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007366.D

Acq: 05 Feb 2019 10:32

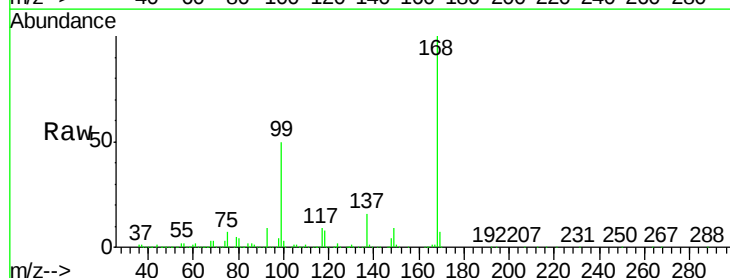
Tgt Ion: 75 Resp: 34580

Ion Ratio Lower Upper

75 100

110 10.2 20.0 59.9#

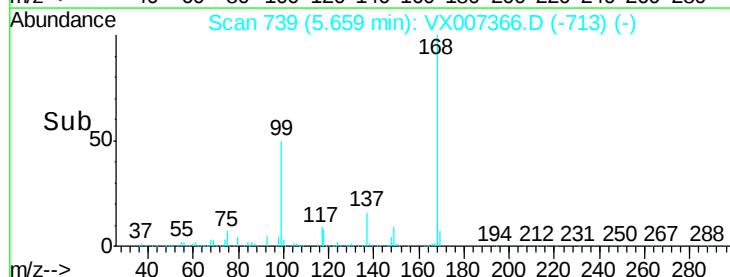
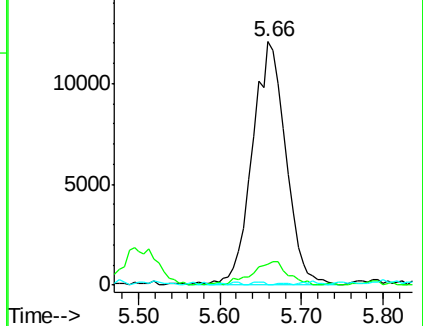
77 0.4 24.7 37.1#

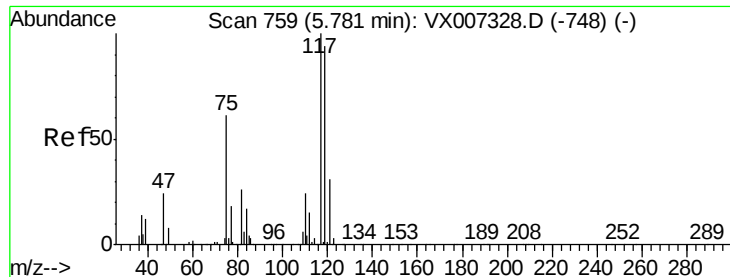


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

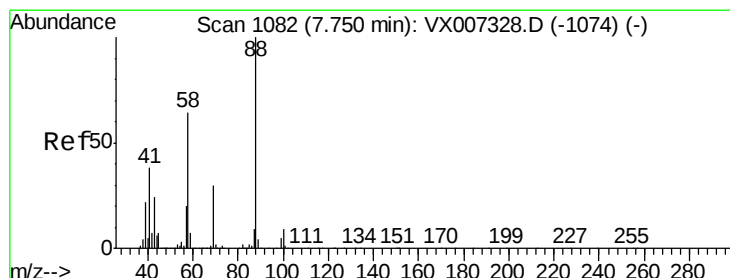
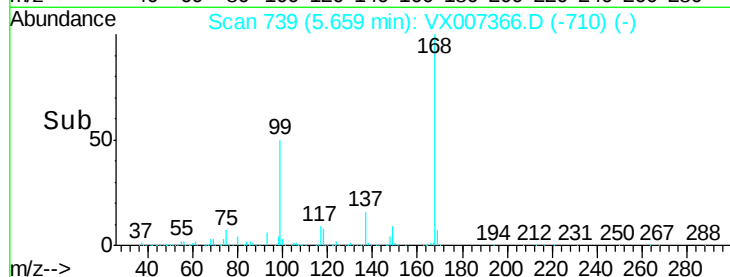
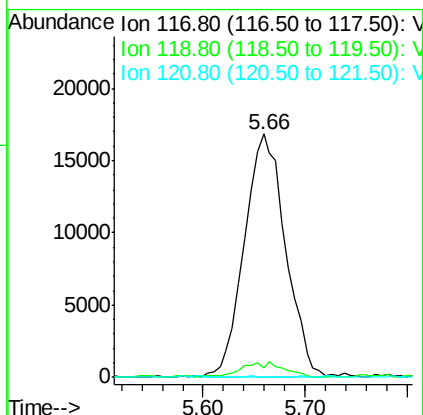
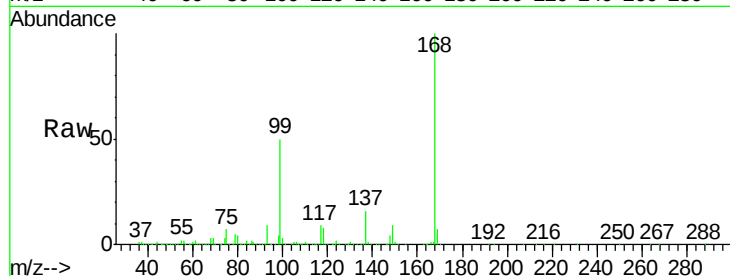




#38
Carbon Tetrachloride
Concen: 6.801 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX007366.D
Acq: 05 Feb 2019 10:32

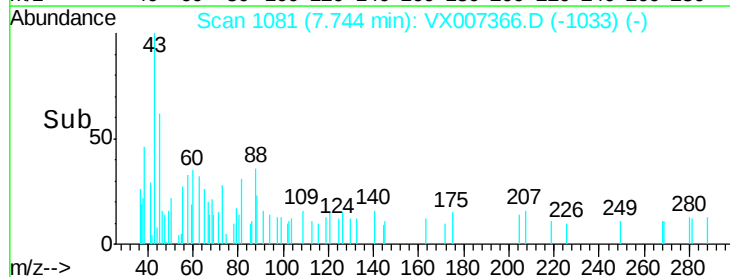
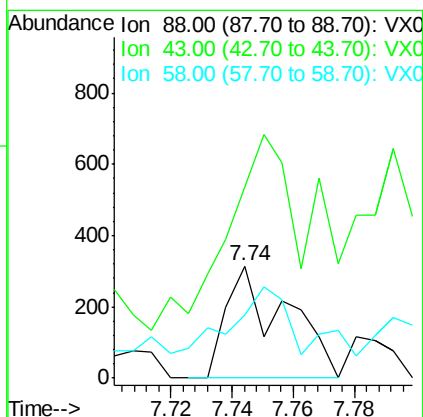
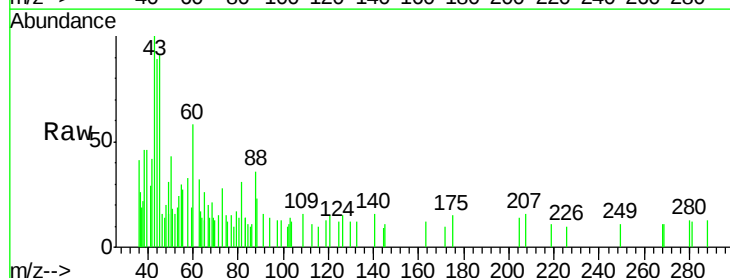
Instrument :
MSVOA_X
ClientSampleId :
VX0205WBL01

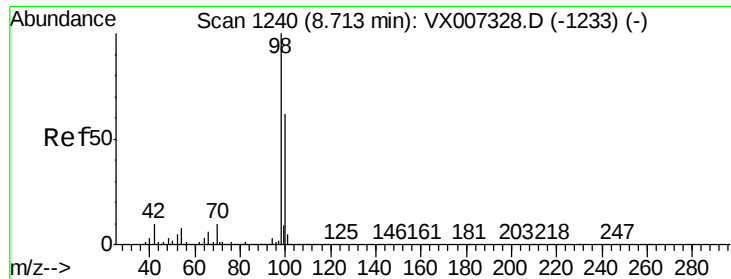
Tot Ion:117 Resp: 47416
Ion Ratio Lower Upper
117 100
119 3.4 75.3 112.9#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 10.173 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VX007366.D
Acq: 05 Feb 2019 10:32

Tgt Ion: 88 Resp: 423
Ion Ratio Lower Upper
88 100
43 185.3 24.2 36.4#
58 78.0 53.0 79.4





#50

Toluene-d8

Concen: 49.602 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007366.D

Acq: 05 Feb 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

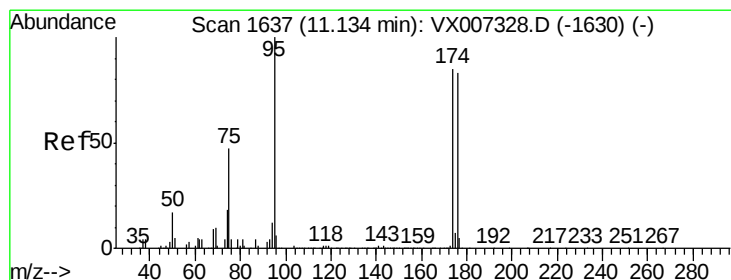
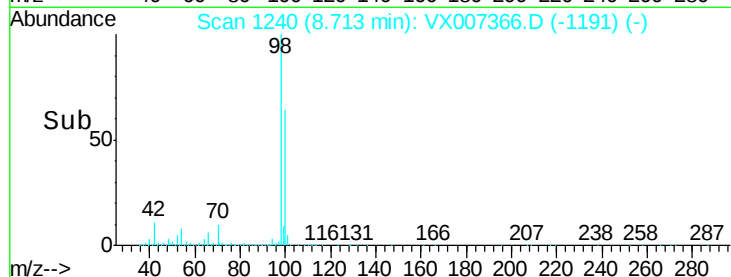
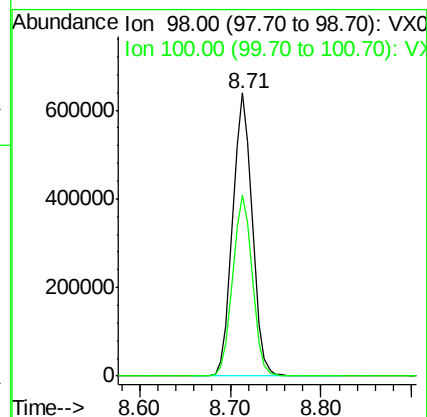
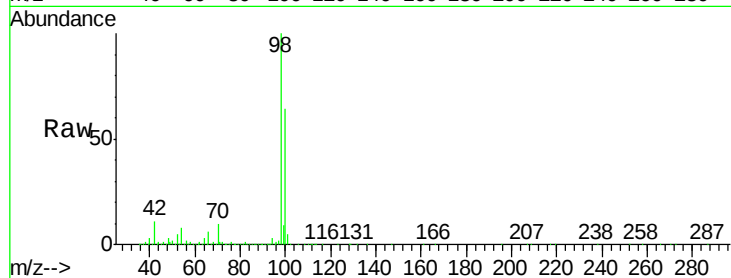
VX0205WBL01

Tot Ion: 98 Resp: 959015

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 48.159 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007366.D

Acq: 05 Feb 2019 10:32

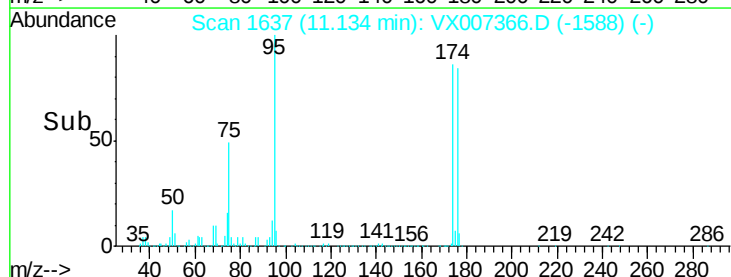
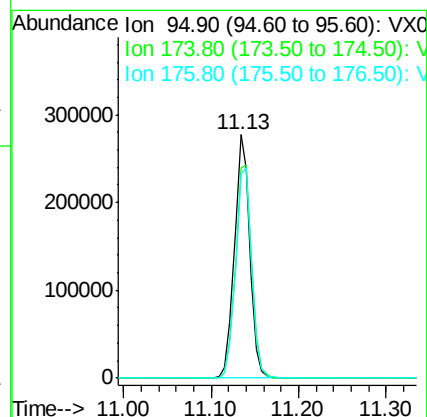
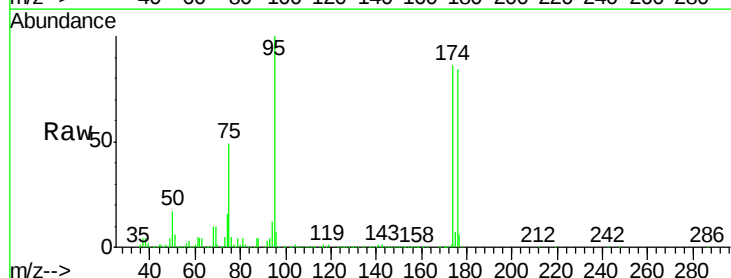
Tgt Ion: 95 Resp: 339950

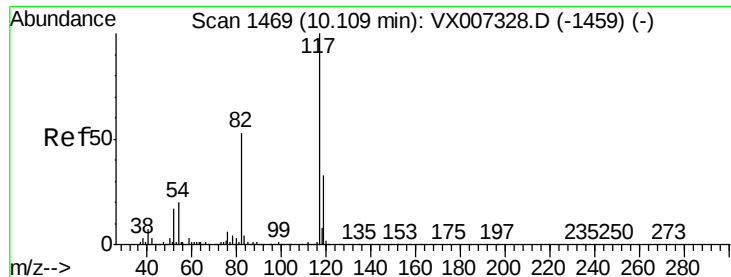
Ion Ratio Lower Upper

95 100

174 93.5 0.0 189.2

176 90.6 0.0 186.2

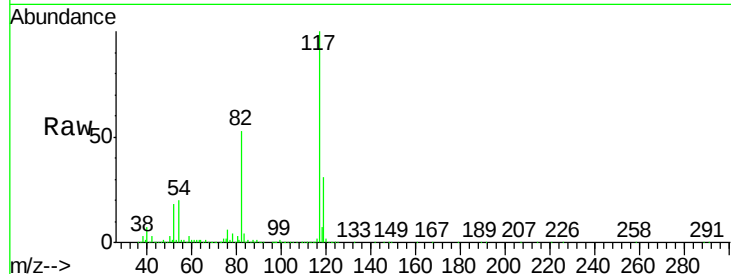




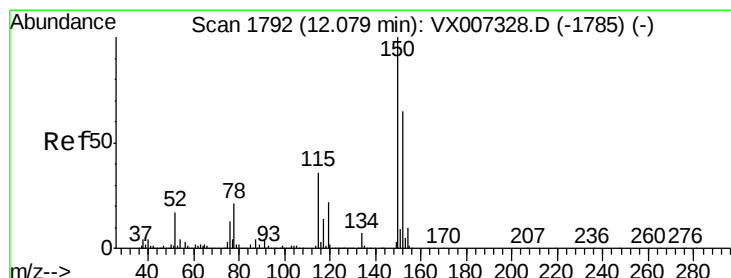
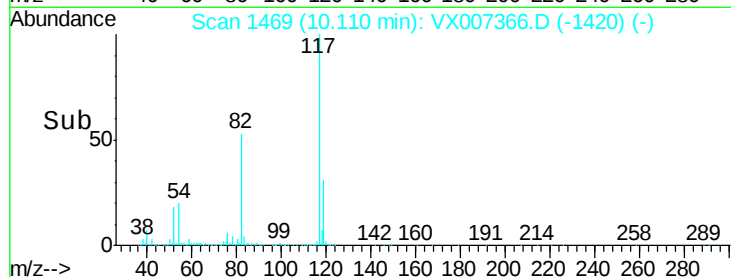
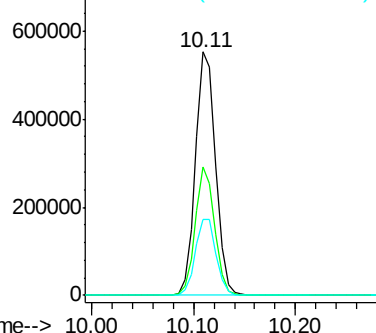
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007366.D
Acq: 05 Feb 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VX0205WBL01

Tot Ion:117 Resp: 755231
Ion Ratio Lower Upper
117 100
82 52.9 42.1 63.1
119 31.3 26.5 39.7

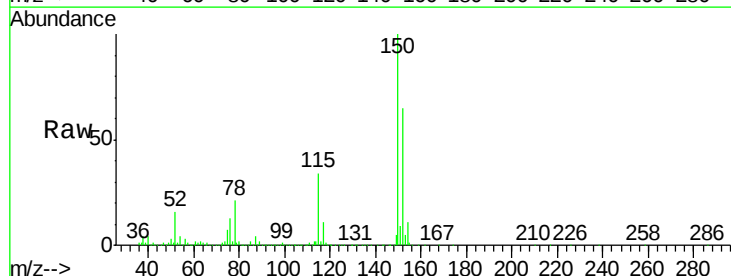


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

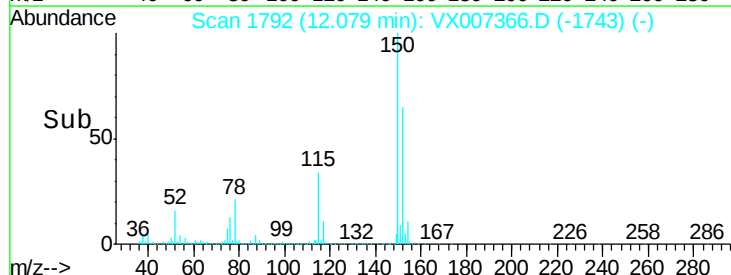
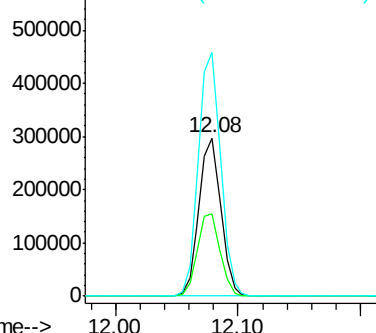


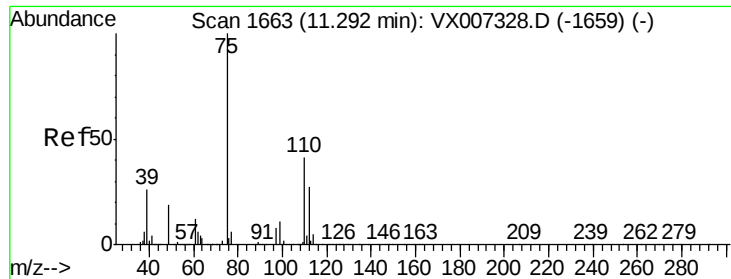
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007366.D
Acq: 05 Feb 2019 10:32

Tgt Ion:152 Resp: 367602
Ion Ratio Lower Upper
152 100
115 54.0 38.0 114.0
150 156.4 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

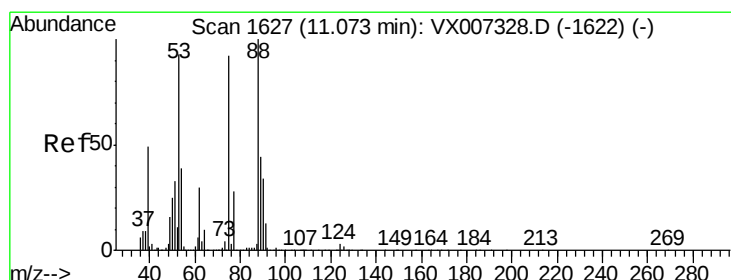
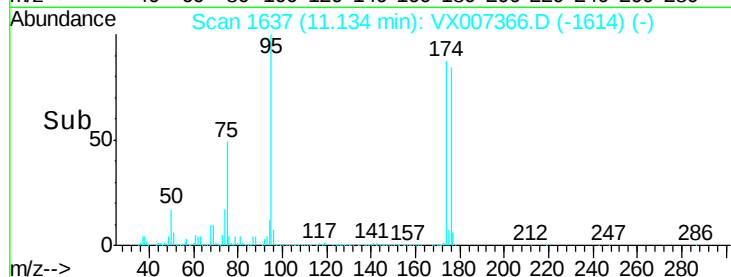
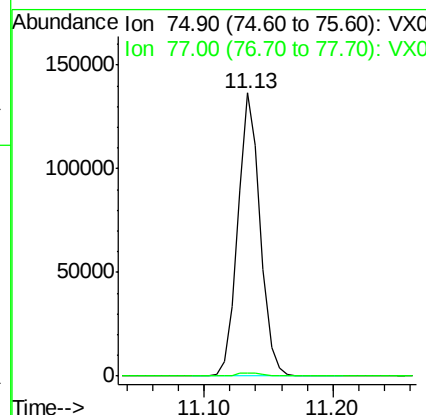
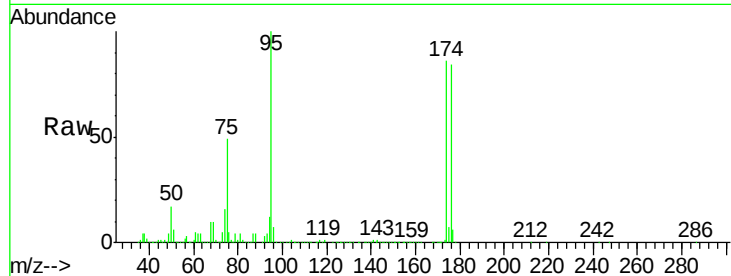




#76
 1,2,3-Trichloropropane
 Concen: 23.131 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007366.D
 Acq: 05 Feb 2019 10:32

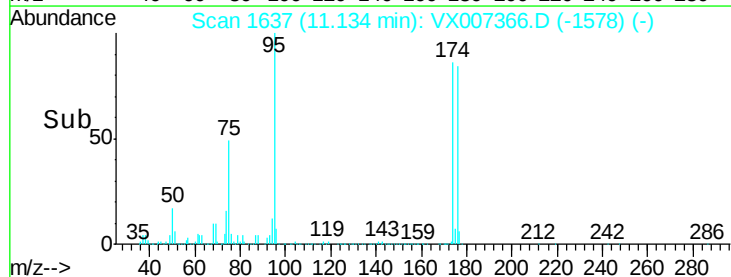
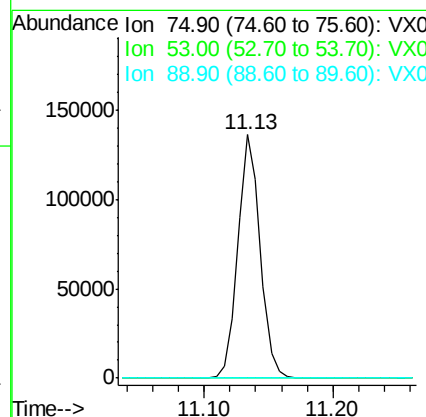
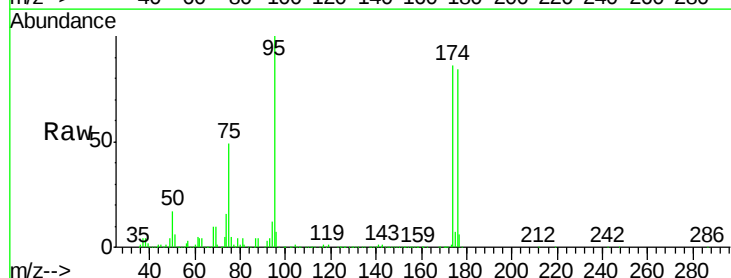
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0205WBL01

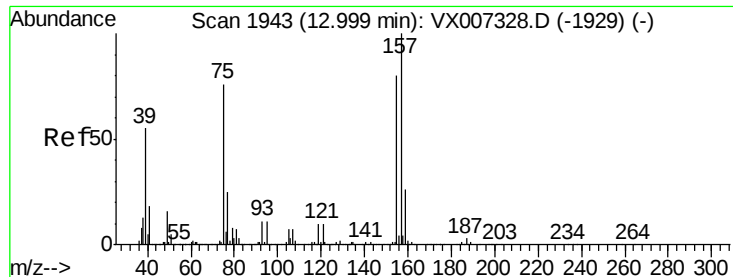
Tot Ion: 75 Resp: 165393
 Ion Ratio Lower Upper
 75 100
 77 1.6 23.0 69.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.678 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007366.D
 Acq: 05 Feb 2019 10:32

Tgt Ion: 75 Resp: 165393
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.0 121.6#
 89 0.0 41.4 62.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.228 ug/l

RT: 12.99 min Scan# 1941

Delta R.T. -0.01 min

Lab File: VX007366.D

Acq: 05 Feb 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VX0205WBL01

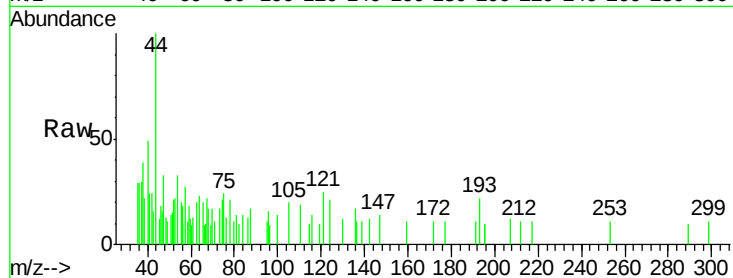
Tot Ion: 75 Resp: 361

Ion Ratio Lower Upper

75 100

155 19.7 49.6 149.0#

157 34.3 65.1 195.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

12.99

300

200

100

0

12.95

13.00

Time-->

