

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020619\
 Data File : VX007404.D
 Acq On : 06 Feb 2019 17:17
 Operator : JC/SP
 Sample : K1392-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

Quant Time: Feb 07 00:03:38 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	5.67	168	524961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	813668	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	767262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	366418	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	286645	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
35) Dibromofluoromethane	5.50	113	255144	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
50) Toluene-d8	8.71	98	981295	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.13	95	338917	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	

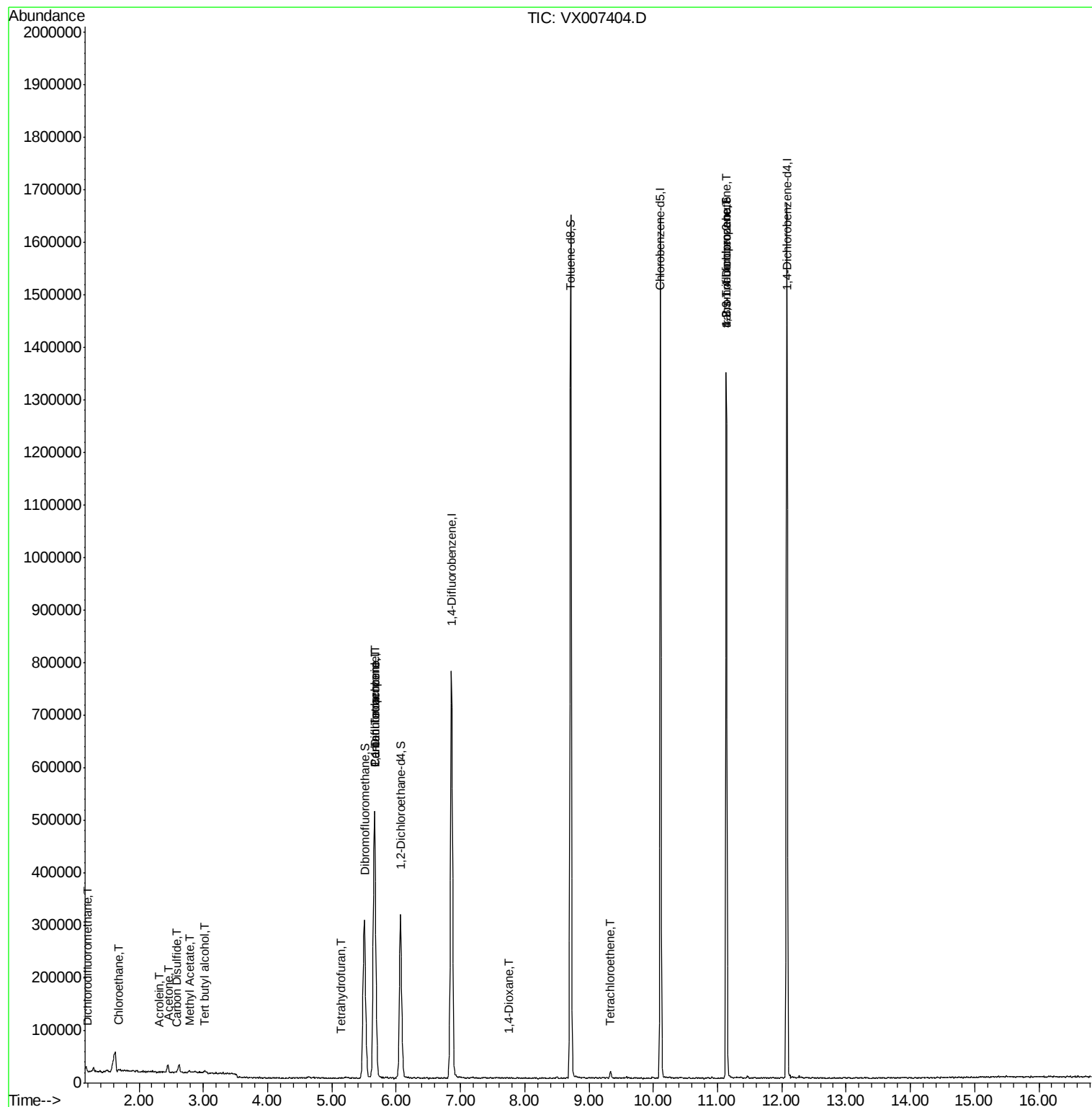
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	216	0.211	ug/l #	6
5) Bromomethane	1.64	94	376	Below Cal	#	45
6) Chloroethane	1.69	64	1535	0.409	ug/l #	43
11) Tert butyl alcohol	3.03	59	4374	3.793	ug/l #	85
13) Acrolein	2.31	56	351	0.649	ug/l #	1
16) Acetone	2.45	43	17308	6.781	ug/l #	88
17) Carbon Disulfide	2.57	76	1330	2.218	ug/l	96
18) Methyl Acetate	2.78	43	4593	1.276	ug/l #	90
20) Methylene Chloride	2.85	84	1096	Below Cal	#	61
29) Tetrahydrofuran	5.15	42	1063	0.465	ug/l #	44
36) 1,1-Dichloropropene	5.67	75	33455	4.583	ug/l #	51
38) Carbon Tetrachloride	5.67	117	47592	6.719	ug/l #	17
49) 1,4-Dioxane	7.75	88	40	7.185	ug/l #	1
64) Tetrachloroethene	9.33	164	2809	0.388	ug/l	89
76) 1,2,3-Trichloropropane	11.13	75	164033	23.015	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	164033	69.349	ug/l #	9

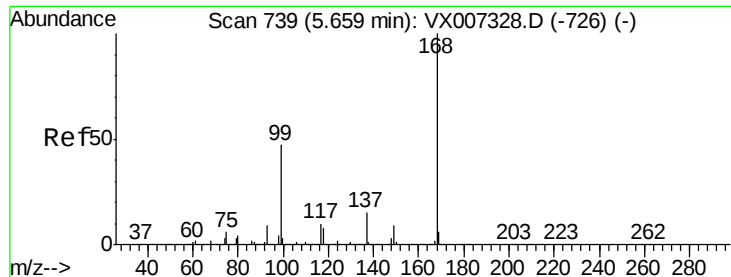
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Feb 02 01:32:36 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007404.D

Acq: 06 Feb 2019 17:17

Instrument :

MSVOA_X

ClientSampled :

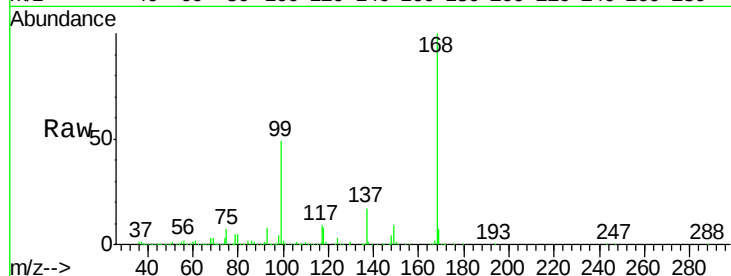
MW-8

Tot Ion:168 Resp: 524961

Ion Ratio Lower Upper

168 100

99 49.2 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

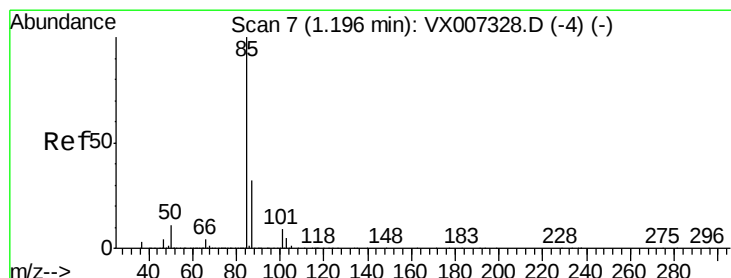
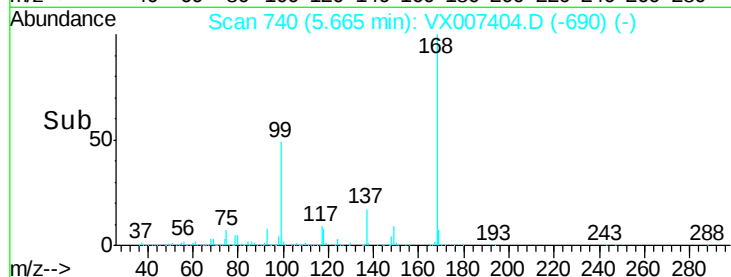
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.211 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007404.D

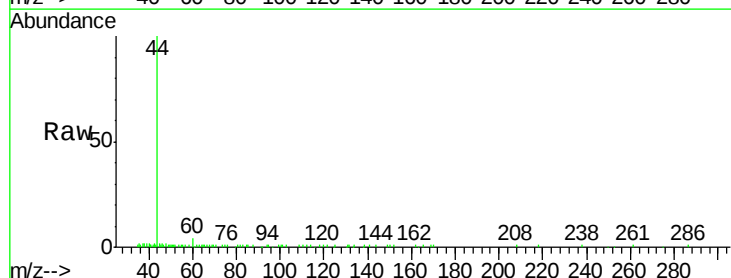
Acq: 06 Feb 2019 17:17

Tgt Ion: 85 Resp: 216

Ion Ratio Lower Upper

85 100

87 83.5 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

200

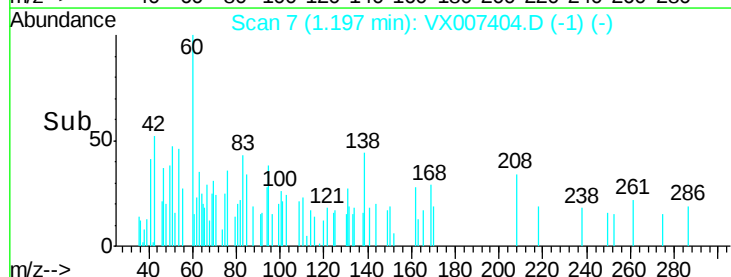
150

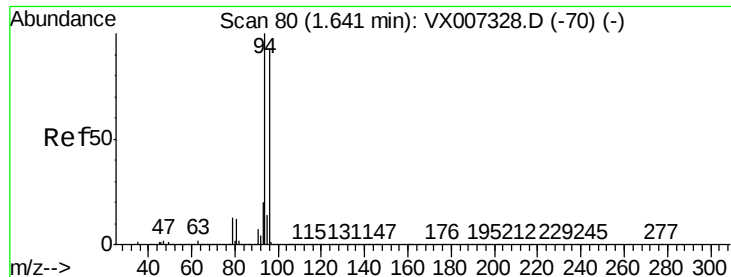
100

50

0

Time--> 1.18 1.20





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007404.D

Acq: 06 Feb 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

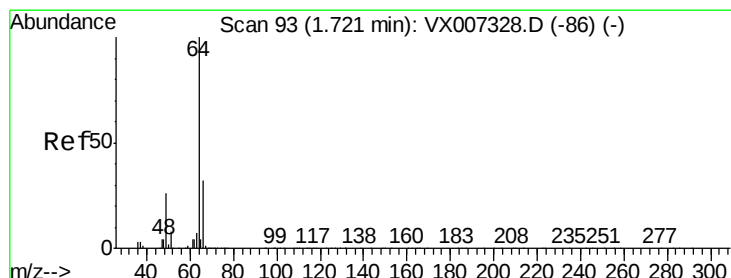
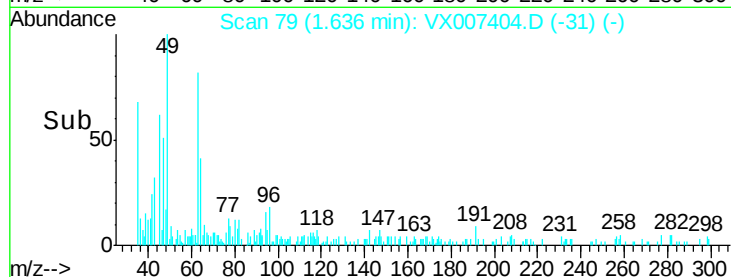
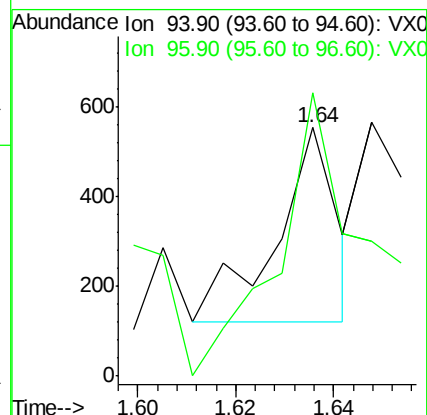
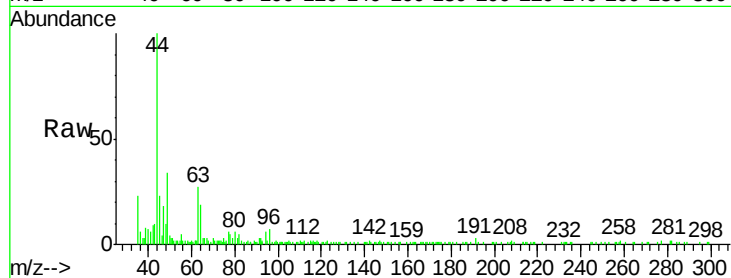
MW-8

Tot Ion: 94 Resp: 376

Ion Ratio Lower Upper

94 100

96 145.4 73.9 110.9#



#6

Chloroethane

Concen: 0.409 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.03 min

Lab File: VX007404.D

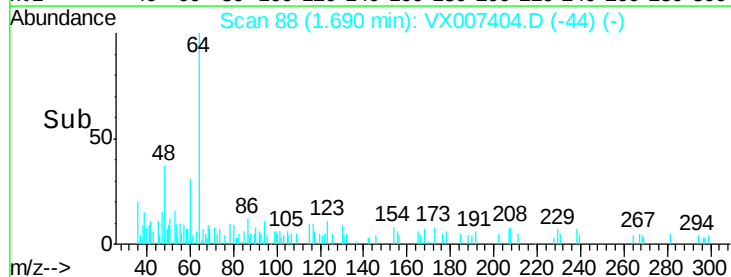
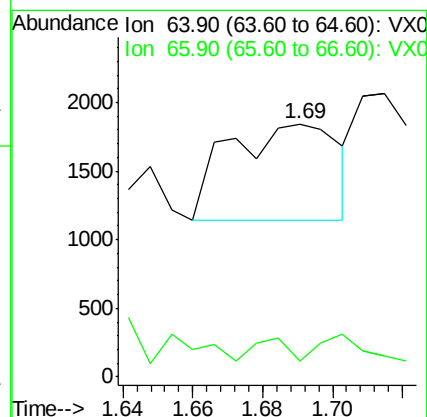
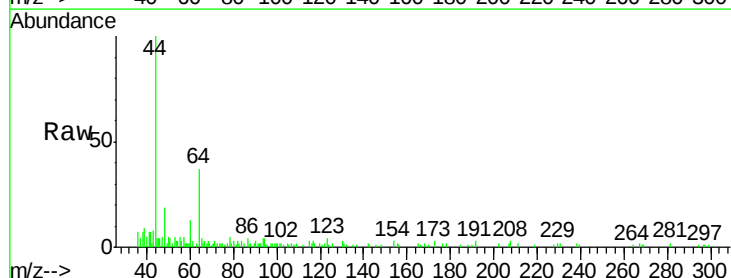
Acq: 06 Feb 2019 17:17

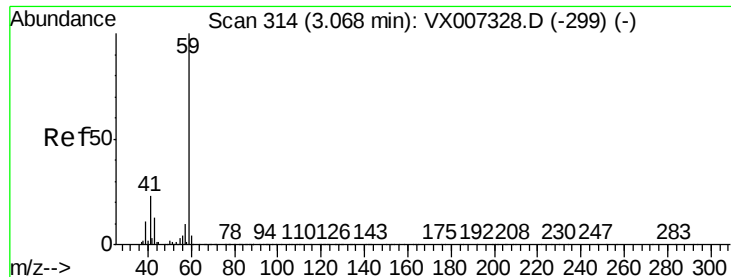
Tgt Ion: 64 Resp: 1535

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



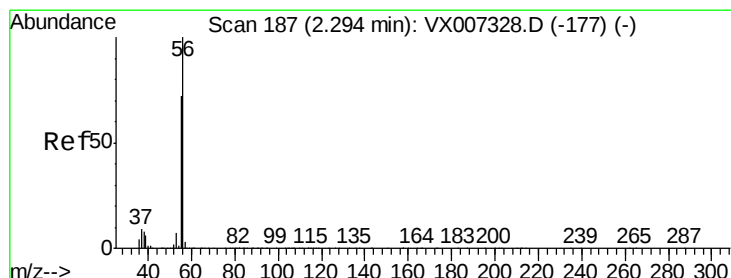
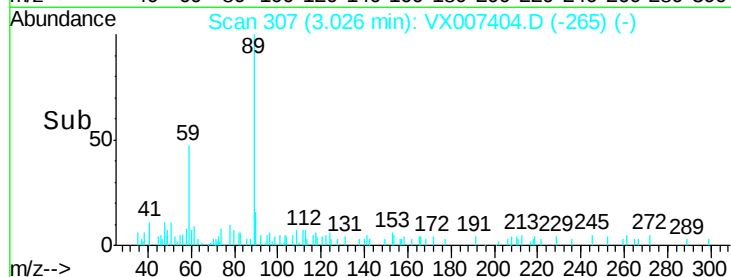
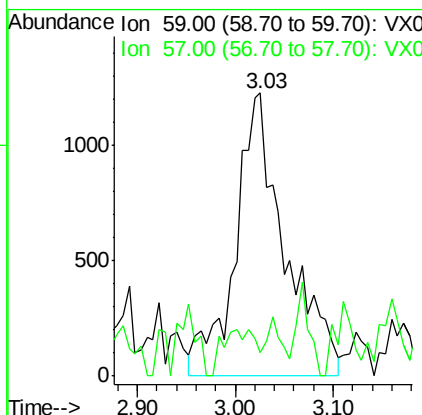
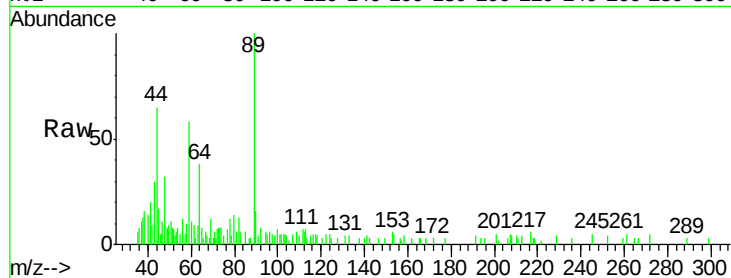


#11

Tert butyl alcohol
 Concen: 3.793 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.04 min
 Lab File: VX007404.D
 Acq: 06 Feb 2019 17:17

Instrument :
 MSVOA_X
 ClientSampled :
 MW-8

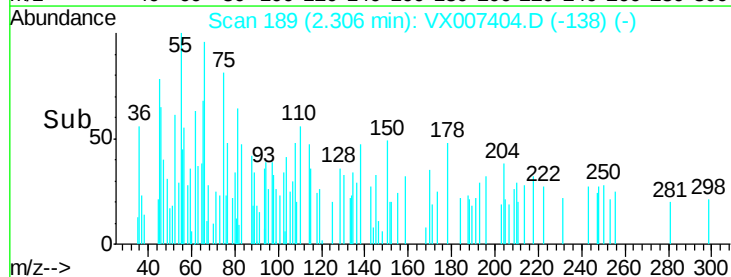
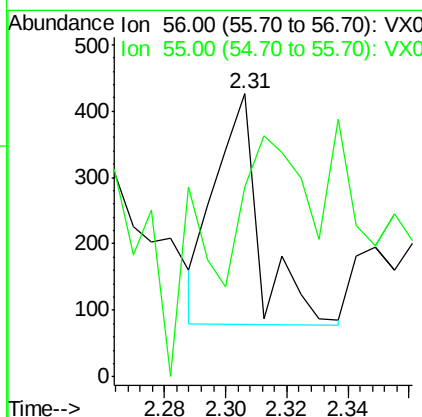
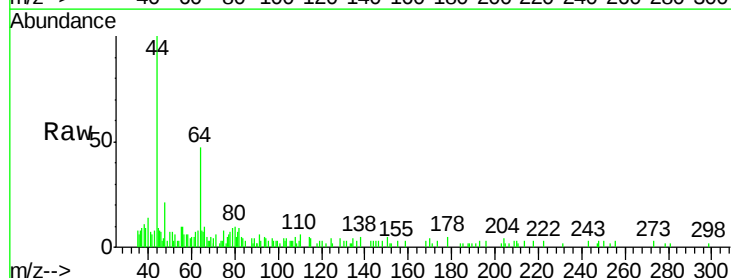
Tot Ion: 59 Resp: 4374
 Ion Ratio Lower Upper
 59 100
 57 4.5 8.1 12.1#

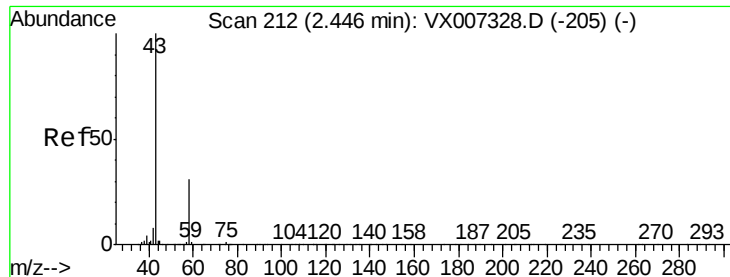


#13

Acrolein
 Concen: 0.649 ug/l
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX007404.D
 Acq: 06 Feb 2019 17:17

Tgt Ion: 56 Resp: 351
 Ion Ratio Lower Upper
 56 100
 55 217.4 56.9 85.3#





#16

Acetone

Concen: 6.781 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007404.D

Acq: 06 Feb 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

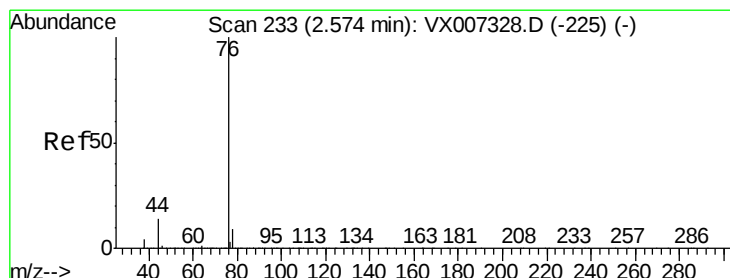
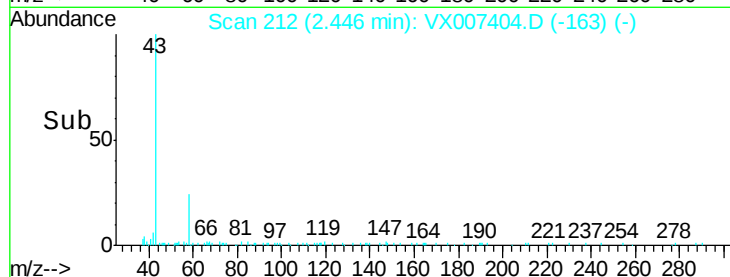
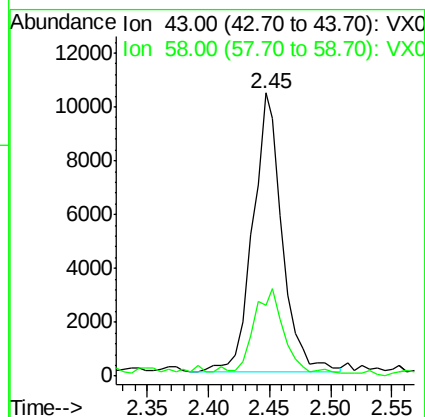
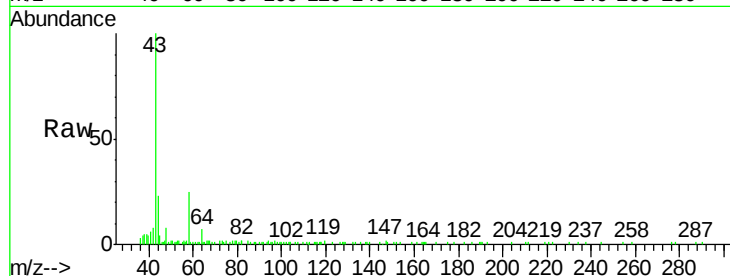
MW-8

Tot Ion: 43 Resp: 17308

Ion Ratio Lower Upper

43 100

58 24.3 24.9 37.3#



#17

Carbon Disulfide

Concen: 2.218 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007404.D

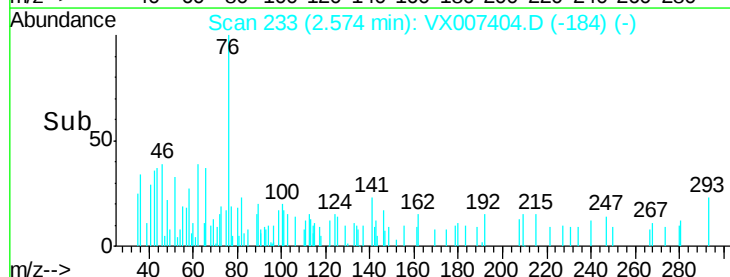
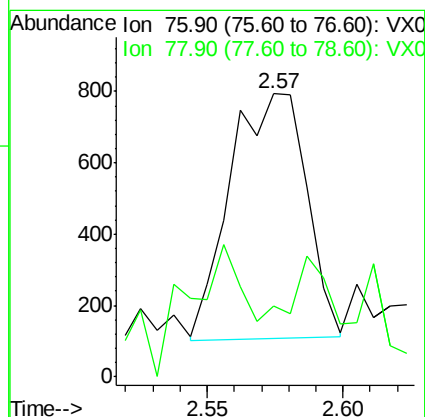
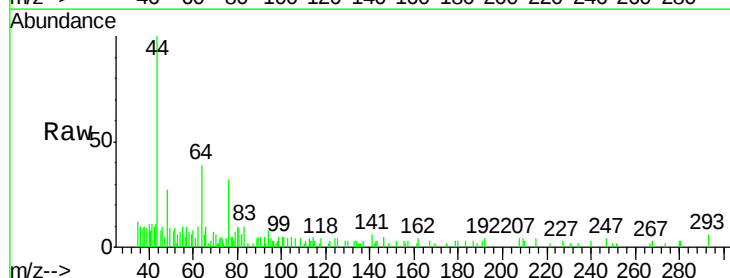
Acq: 06 Feb 2019 17:17

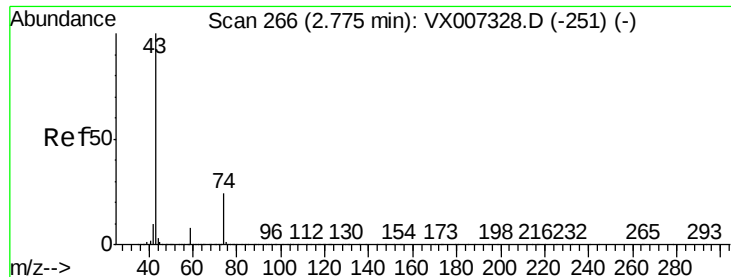
Tgt Ion: 76 Resp: 1330

Ion Ratio Lower Upper

76 100

78 7.5 7.1 10.7

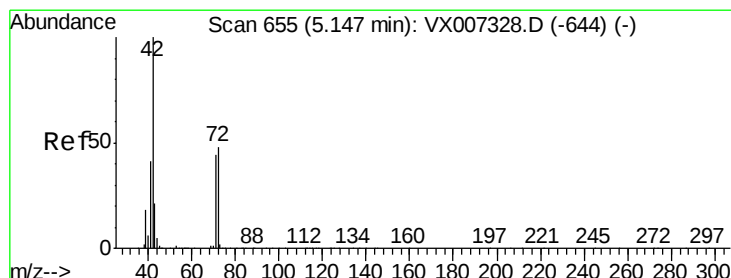
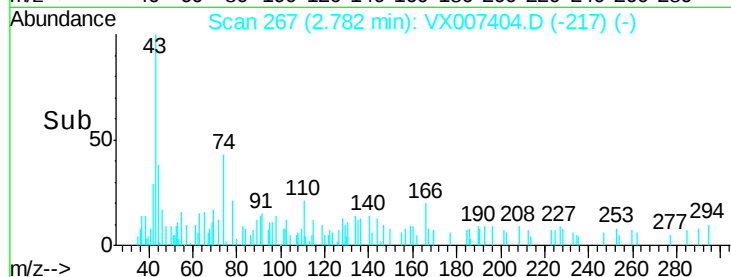
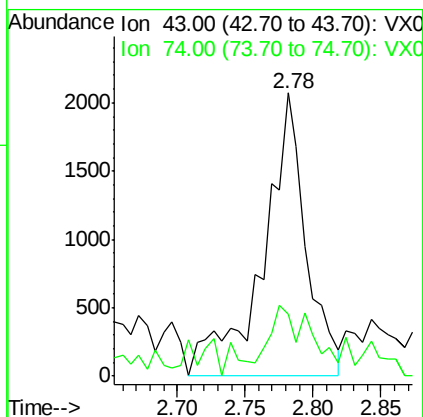
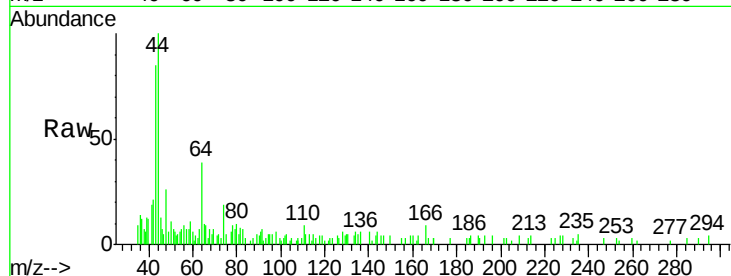




#18
Methyl Acetate
Concen: 1.276 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007404.D
Acq: 06 Feb 2019 17:17

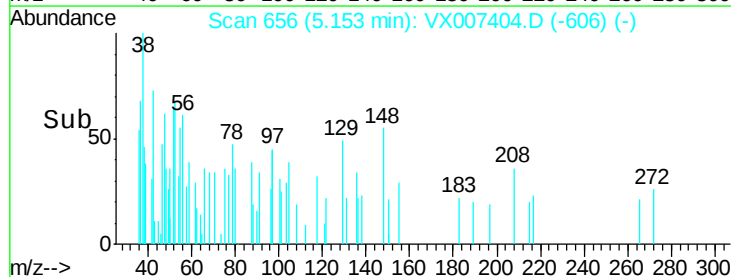
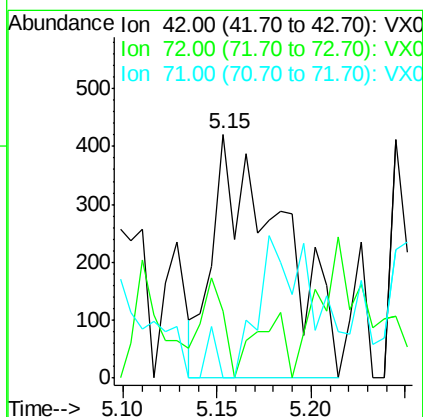
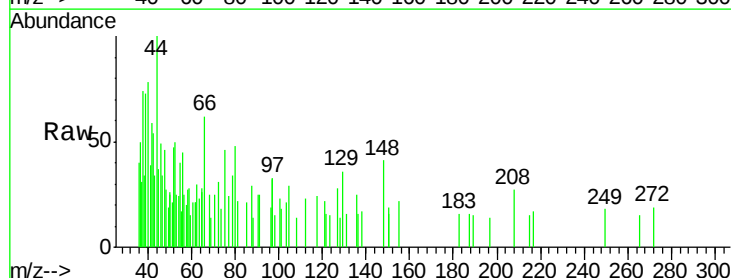
Instrument :
MSVOA_X
ClientSampled :
MW-8

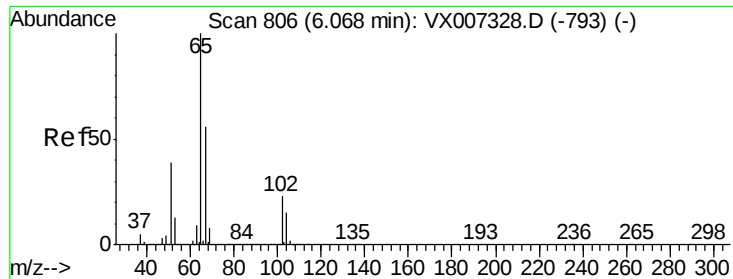
Tot Ion: 43 Resp: 4593
Ion Ratio Lower Upper
43 100
74 19.2 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.465 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007404.D
Acq: 06 Feb 2019 17:17

Tgt Ion: 42 Resp: 1063
Ion Ratio Lower Upper
42 100
72 13.1 37.6 56.4#
71 3.1 34.6 51.8#

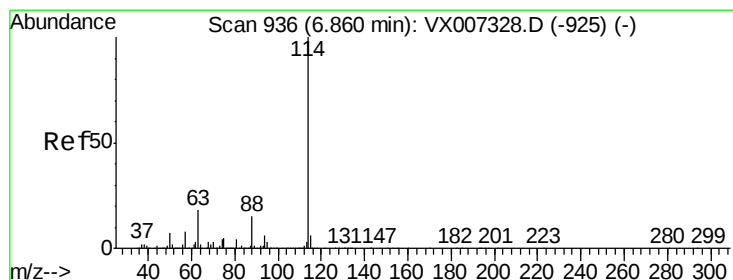
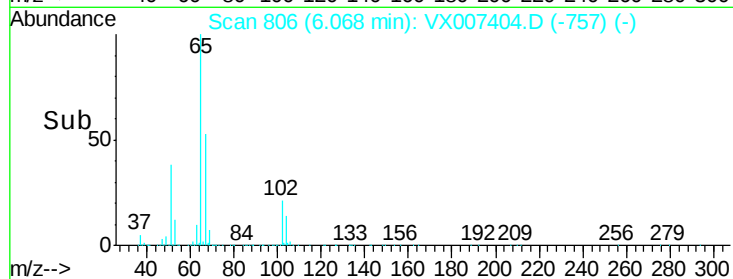
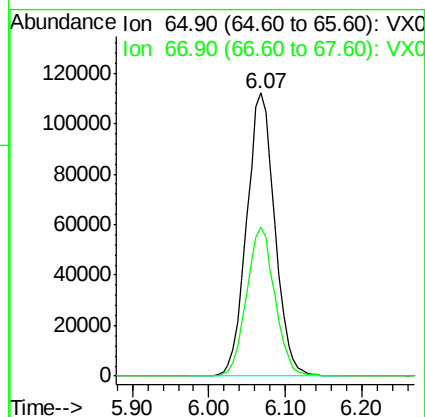
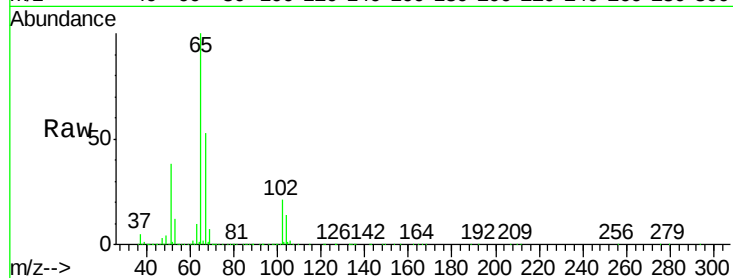




#33
 1,2-Dichloroethane-d4
 Concen: 51.443 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007404.D
 Acq: 06 Feb 2019 17:17

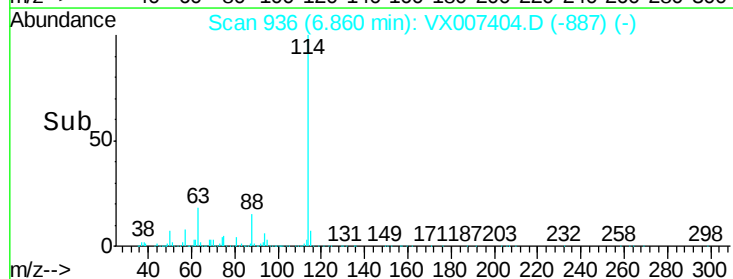
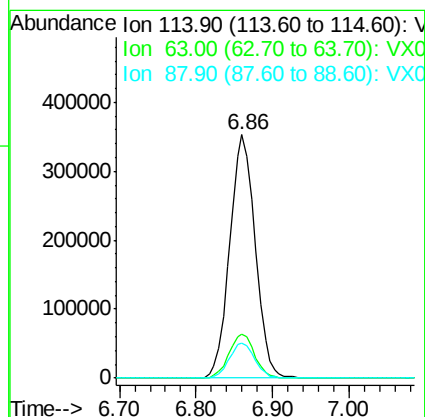
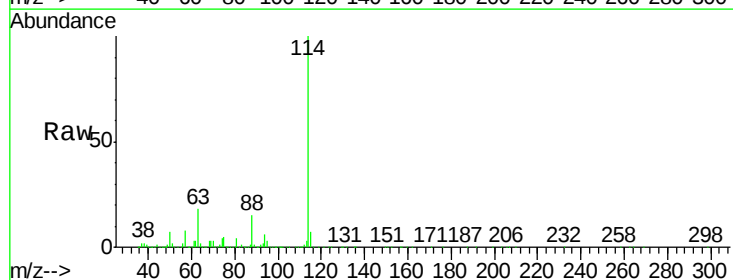
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

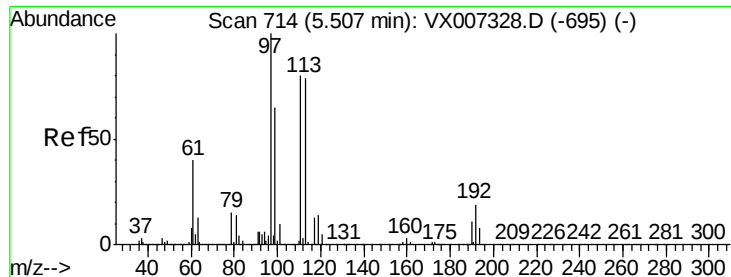
Tot Ion: 65 Resp: 286645
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007404.D
 Acq: 06 Feb 2019 17:17

Tgt Ion: 114 Resp: 813668
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.6
 88 14.5 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.193 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007404.D

Acq: 06 Feb 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

MW-8

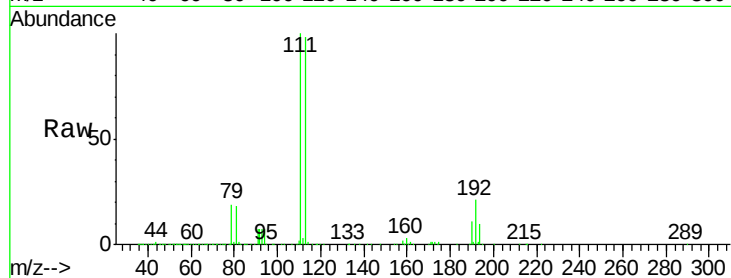
Tot Ion:113 Resp: 255144

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

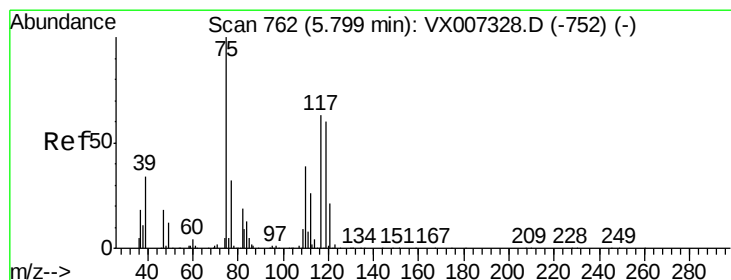
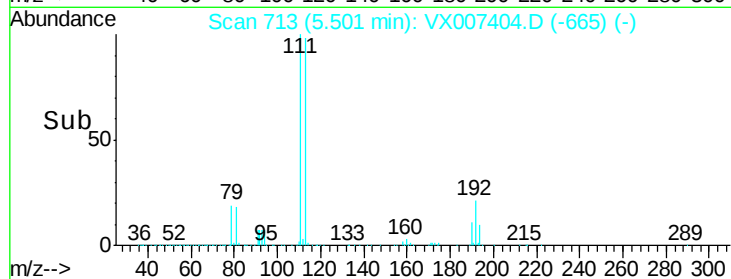
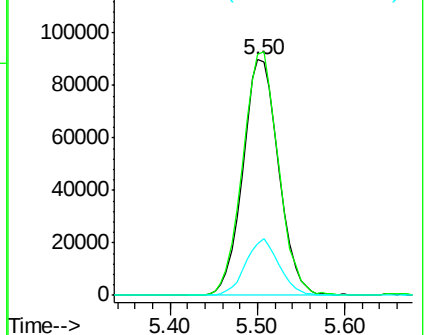
192 22.4 18.5 27.7



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: 4.583 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007404.D

Acq: 06 Feb 2019 17:17

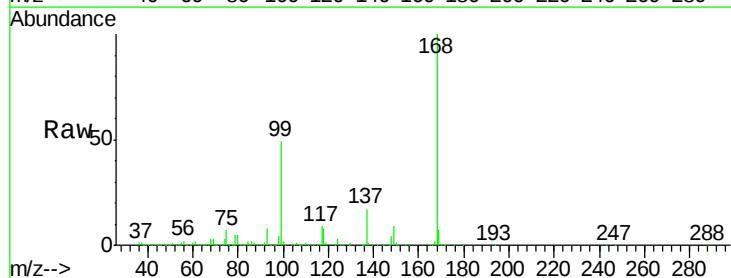
Tgt Ion: 75 Resp: 33455

Ion Ratio Lower Upper

75 100

110 11.5 20.0 59.9#

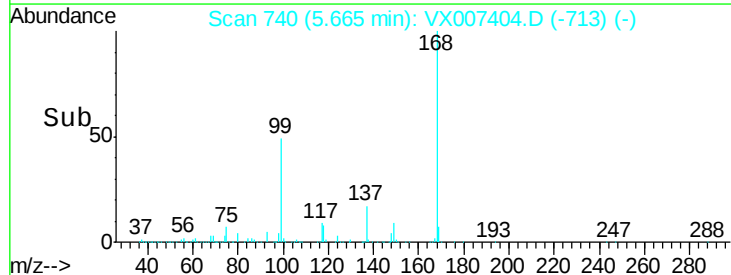
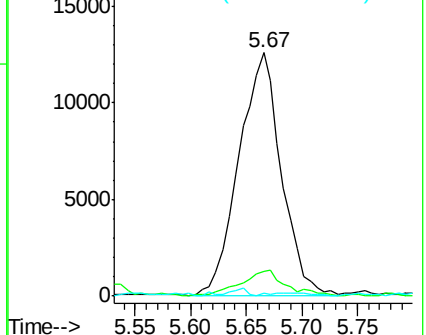
77 1.3 24.7 37.1#

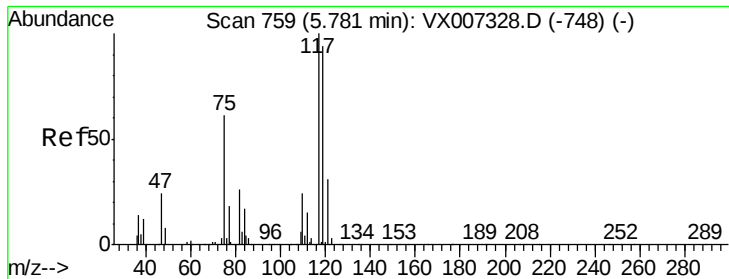


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.719 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007404.D

Acq: 06 Feb 2019 17:17

Instrument :

MSVOA_X

ClientSampled :

MW-8

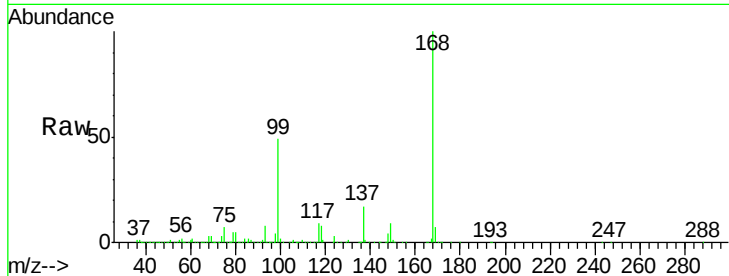
Tot Ion:117 Resp: 47592

Ion Ratio Lower Upper

117 100

119 5.6 75.3 112.9#

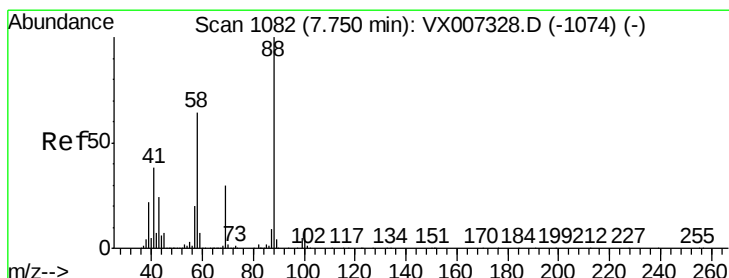
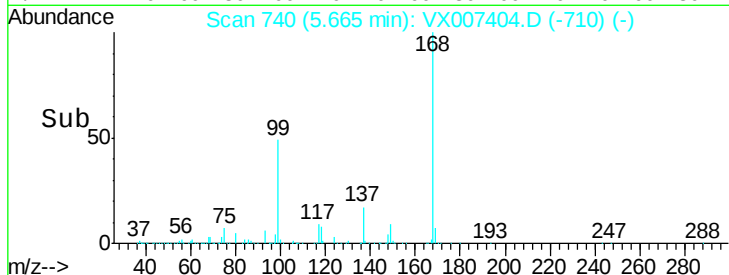
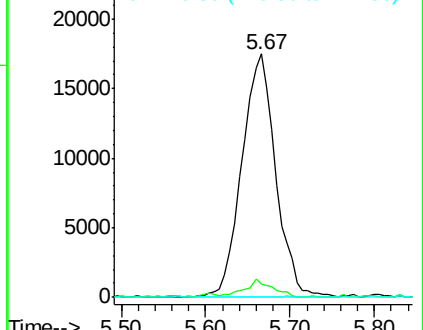
121 0.0 25.0 37.4#



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: 7.185 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007404.D

Acq: 06 Feb 2019 17:17

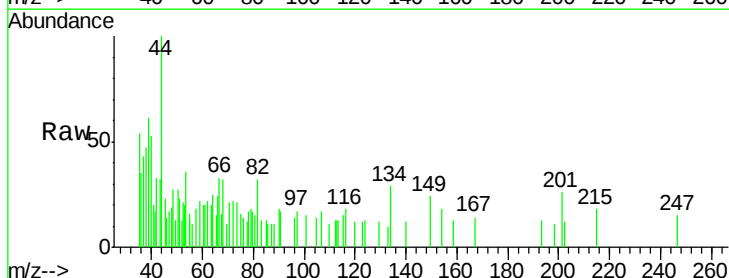
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 305.0 24.2 36.4#

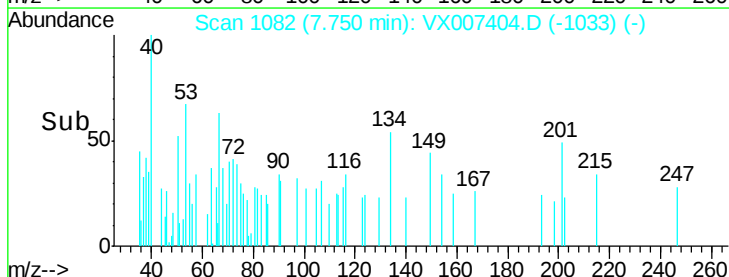
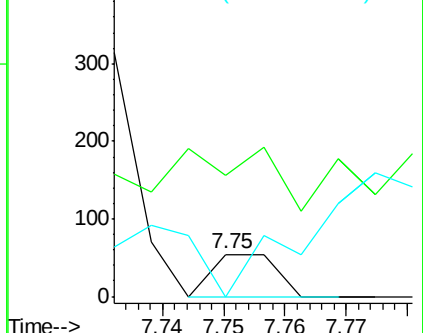
58 0.0 53.0 79.4#

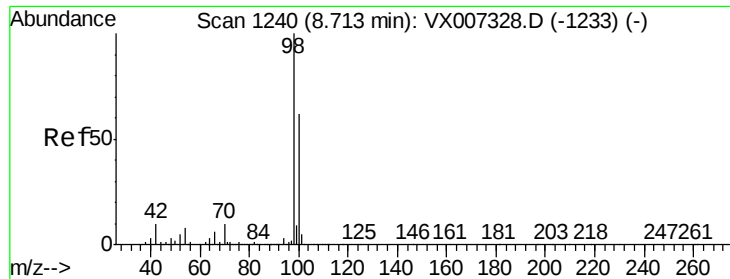


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.958 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007404.D

Acq: 06 Feb 2019 17:17

Instrument :

MSVOA_X

ClientSampled :

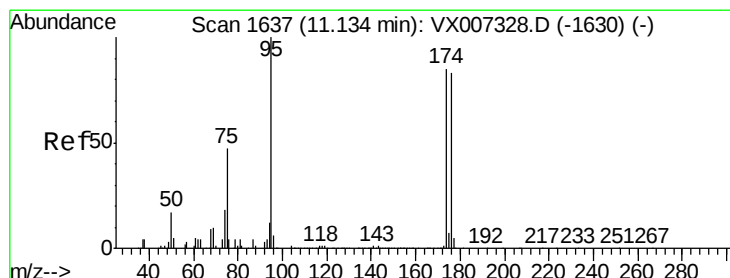
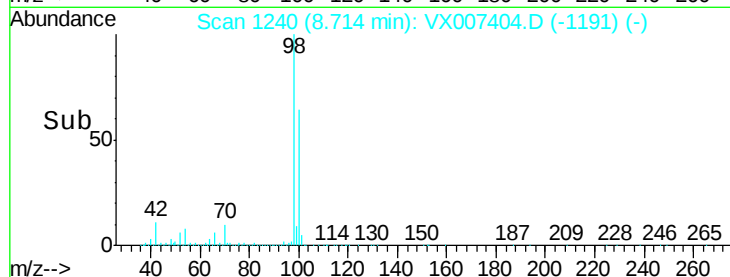
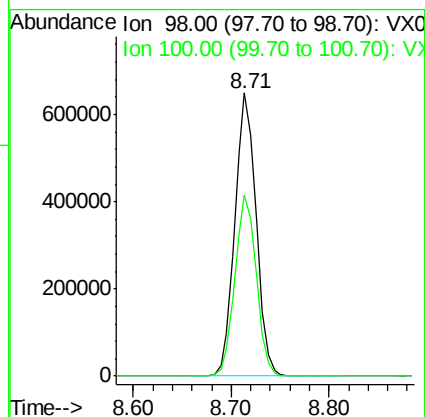
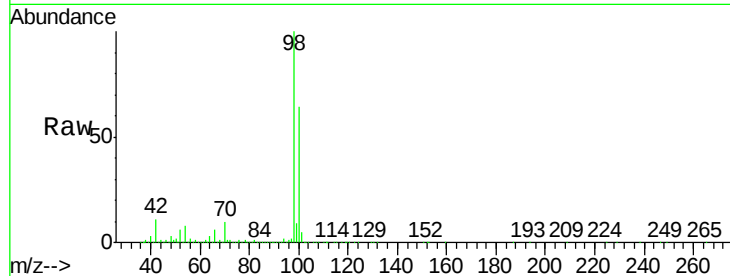
MW-8

Tot Ion: 98 Resp: 981295

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 47.259 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007404.D

Acq: 06 Feb 2019 17:17

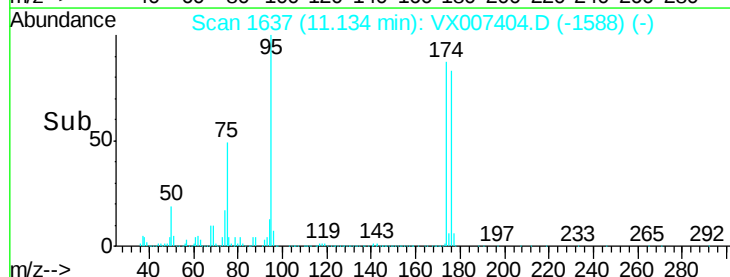
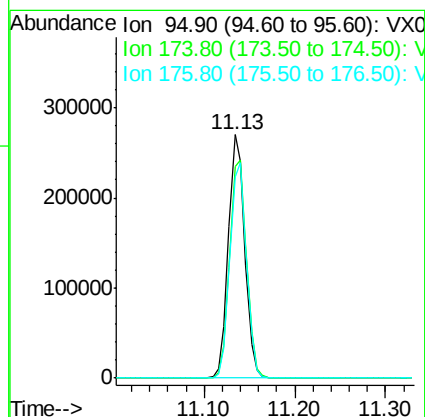
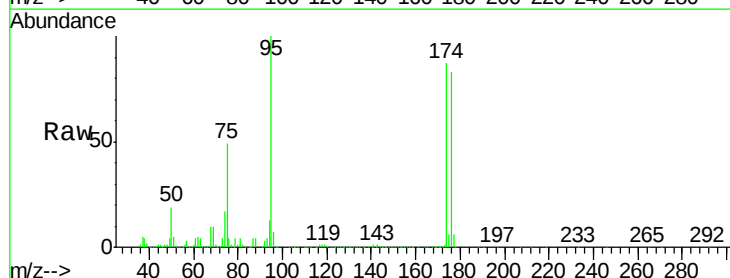
Tgt Ion: 95 Resp: 338917

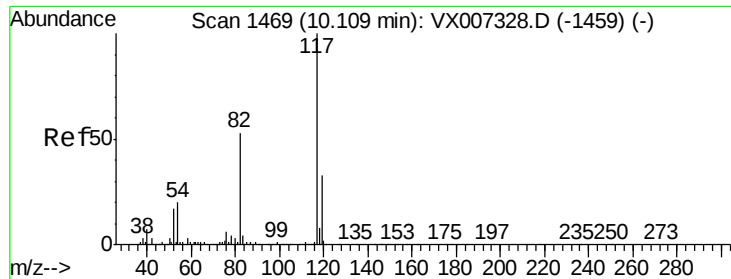
Ion Ratio Lower Upper

95 100

174 92.9 0.0 189.2

176 89.9 0.0 186.2

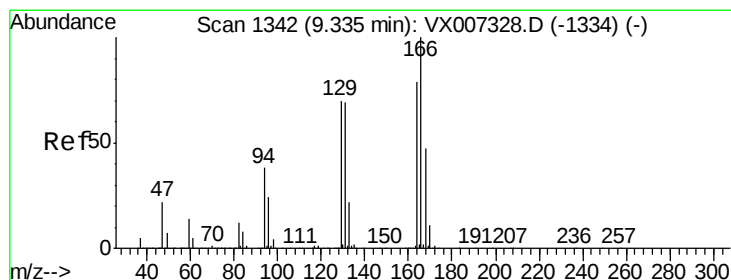
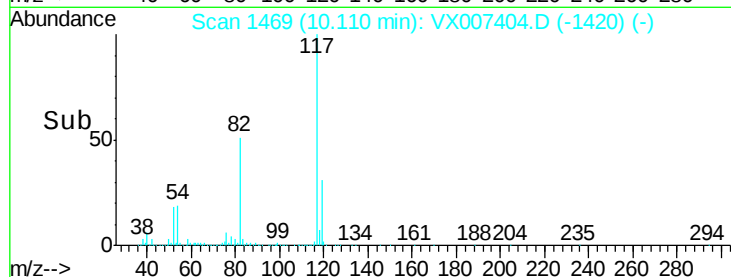
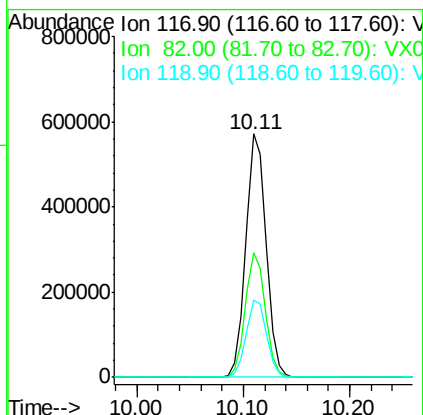
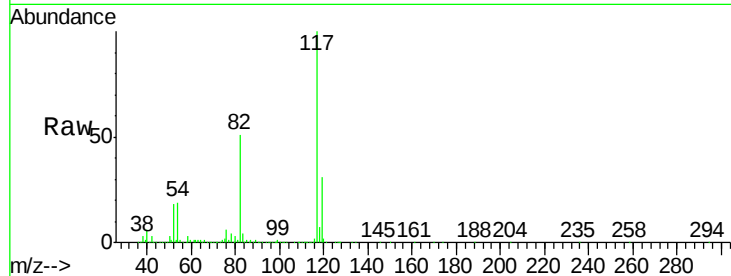




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007404.D
Acq: 06 Feb 2019 17:17

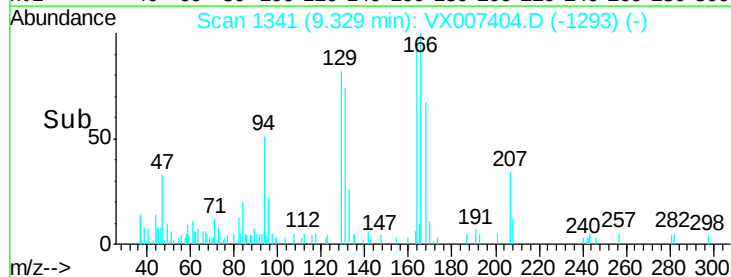
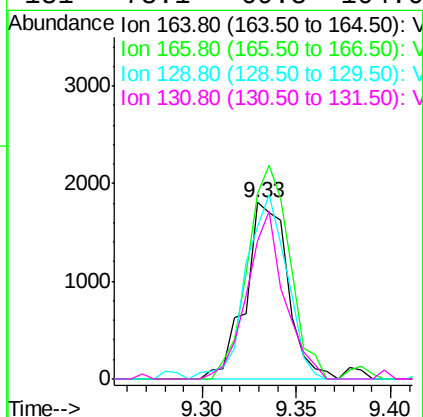
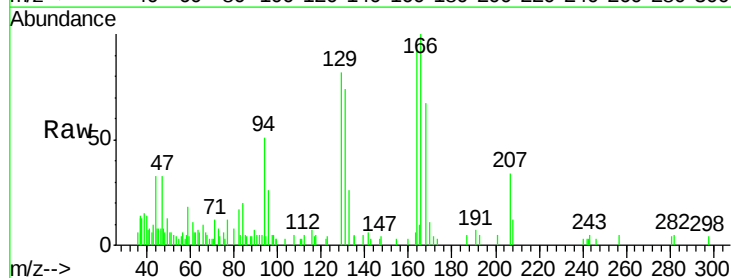
Instrument :
MSVOA_X
ClientSampleId :
MW-8

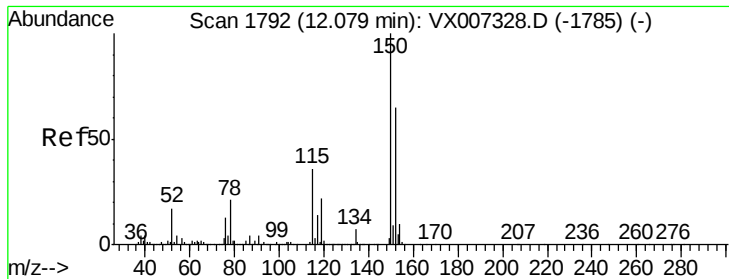
Tot Ion:117 Resp: 767262
Ion Ratio Lower Upper
117 100
82 50.9 42.1 63.1
119 31.5 26.5 39.7



#64
Tetrachloroethene
Concen: 0.388 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX007404.D
Acq: 06 Feb 2019 17:17

Tgt Ion:164 Resp: 2809
Ion Ratio Lower Upper
164 100
166 105.3 101.0 151.4
129 86.6 70.5 105.7
131 78.1 69.8 104.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007404.D

Acq: 06 Feb 2019 17:17

Instrument :

MSVOA_X

ClientSampled :

MW-8

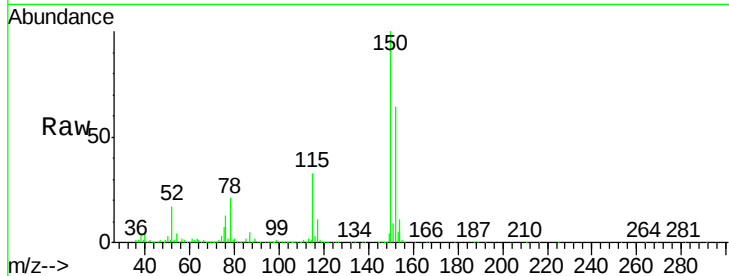
Tot Ion:152 Resp: 366418

Ion Ratio Lower Upper

152 100

115 54.1 38.0 114.0

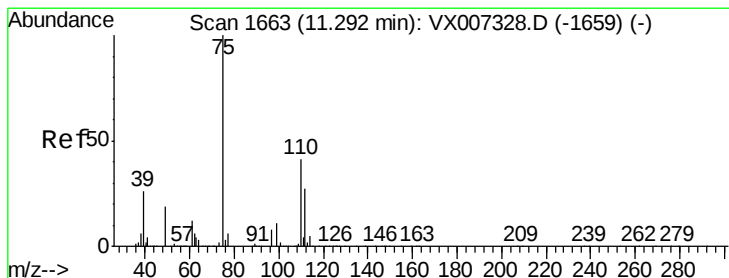
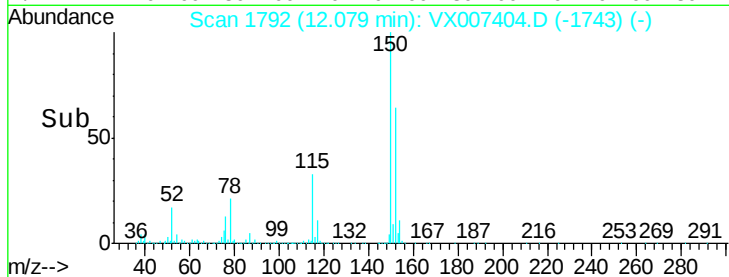
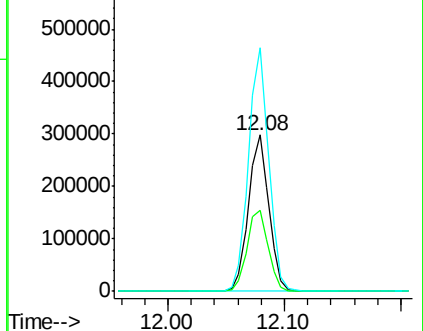
150 154.7 0.0 346.4



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: 23.015 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007404.D

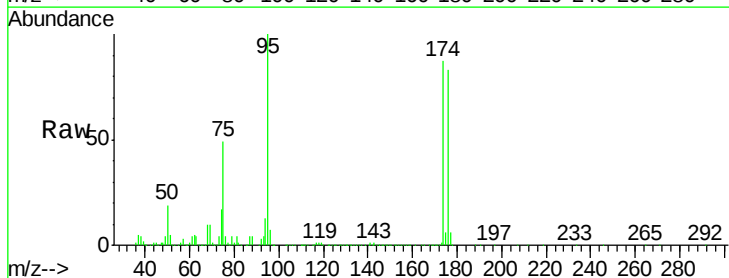
Acq: 06 Feb 2019 17:17

Tgt Ion: 75 Resp: 164033

Ion Ratio Lower Upper

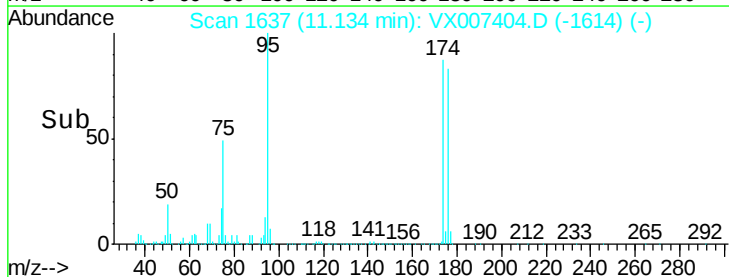
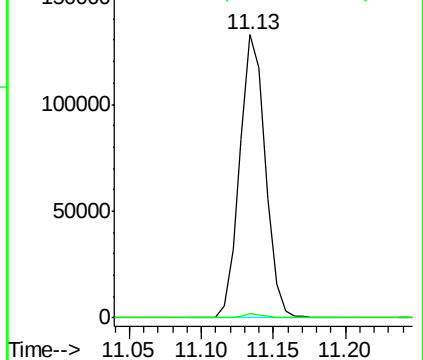
75 100

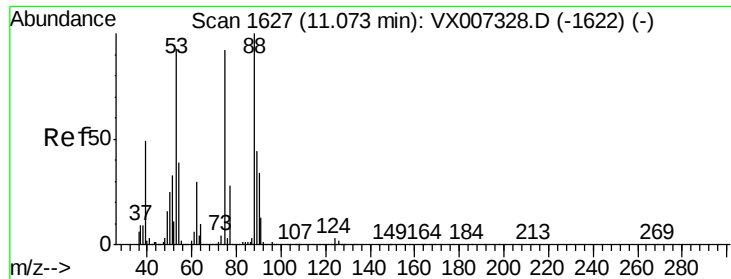
77 1.6 23.0 69.0#



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: 69.349 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007404.D

Acq: 06 Feb 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

MW-8

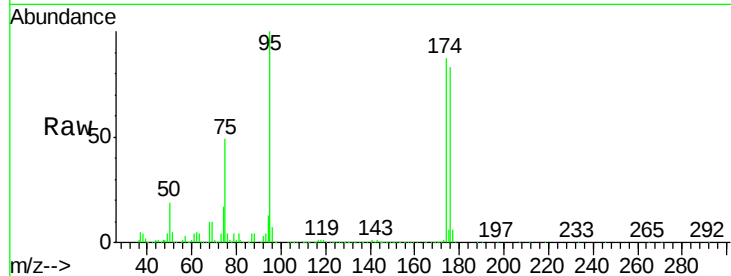
Tot Ion: 75 Resp: 164033

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.1 41.4 62.0#



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

