

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020619\
 Data File : VX007405.D
 Acq On : 06 Feb 2019 17:44
 Operator : JC/SP
 Sample : K1392-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Quant Time: Feb 07 00:03:53 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	524177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	809369	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	769769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	368487	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	287691	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
35) Dibromofluoromethane	5.50	113	253866	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
50) Toluene-d8	8.71	98	972568	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	11.13	95	343759	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	

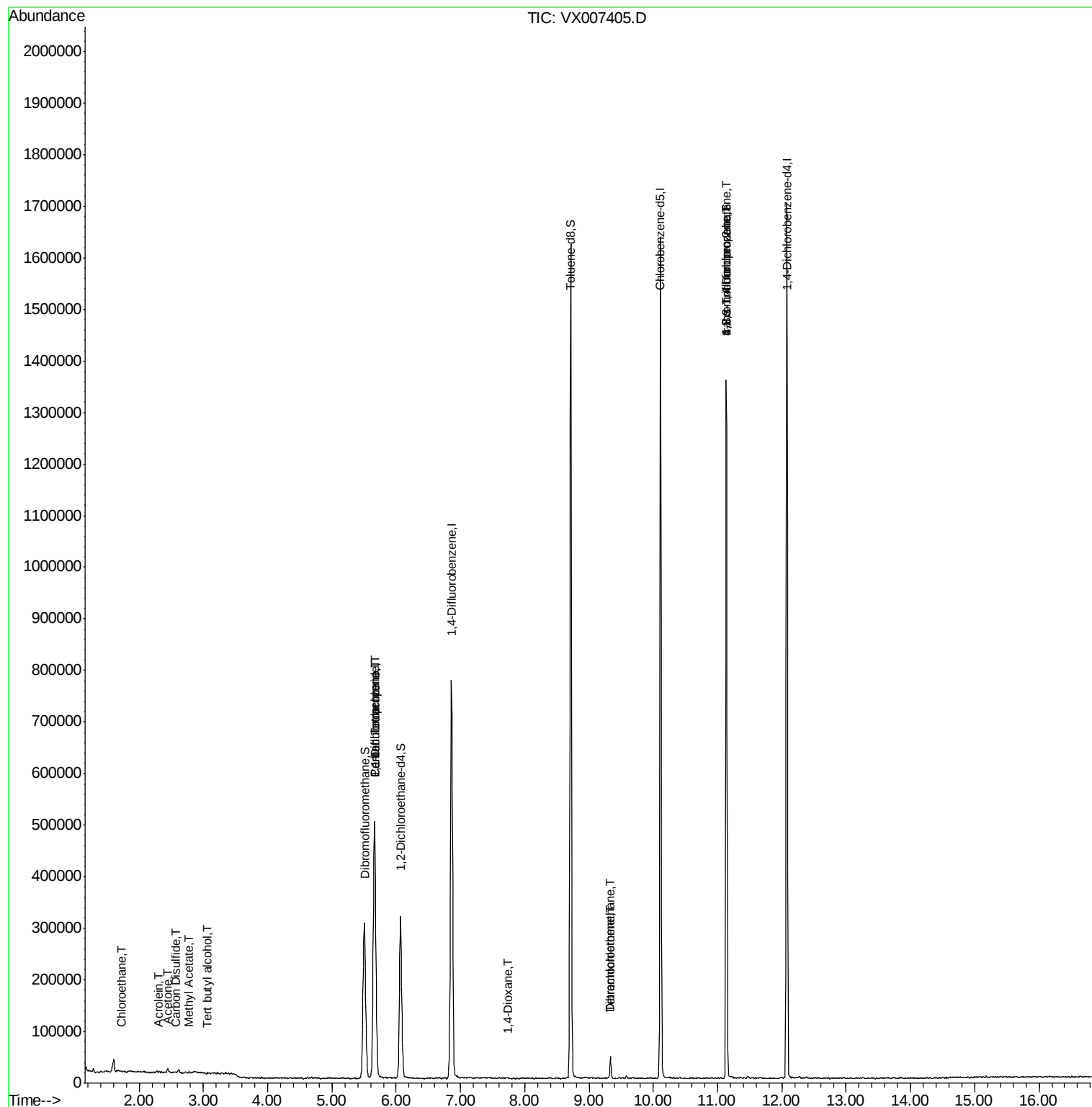
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	651	Below Cal	#	64
6) Chloroethane	1.73	64	943	0.252	ug/l #	43
11) Tert butyl alcohol	3.06	59	834	0.724	ug/l #	21
13) Acrolein	2.29	56	138	0.256	ug/l #	70
16) Acetone	2.45	43	9801	3.846	ug/l	99
17) Carbon Disulfide	2.57	76	1683	2.244	ug/l #	85
18) Methyl Acetate	2.78	43	2425	0.954	ug/l #	80
20) Methylene Chloride	2.86	84	1849	Below Cal	#	72
36) 1,1-Dichloropropene	5.66	75	33231	4.576	ug/l #	49
38) Carbon Tetrachloride	5.66	117	47382	6.725	ug/l #	17
49) 1,4-Dioxane	7.74	88	129	7.873	ug/l #	1
60) Dibromochloromethane	9.34	129	7390	1.358	ug/l #	14
64) Tetrachloroethene	9.34	164	7777	1.072	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	162018	22.604	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	162018	68.188	ug/l #	9

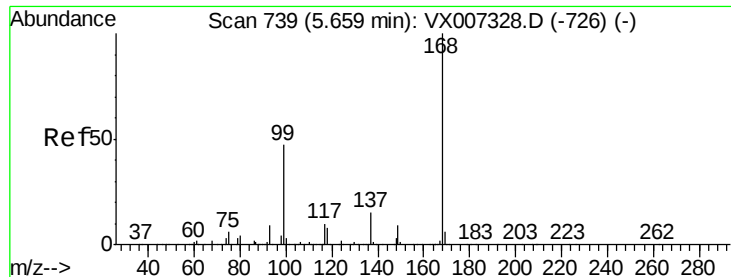
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007405.D

Acq: 06 Feb 2019 17:44

Instrument :

MSVOA_X

ClientSampled :

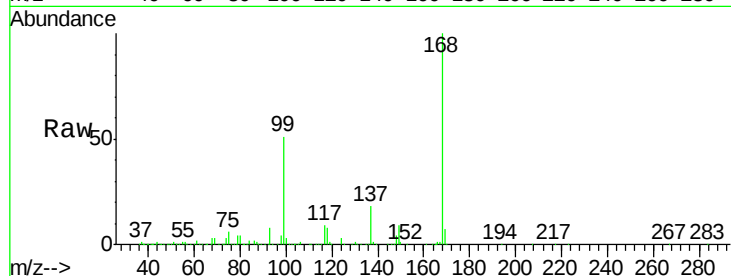
MW-7

Tot Ion:168 Resp: 524177

Ion Ratio Lower Upper

168 100

99 50.7 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

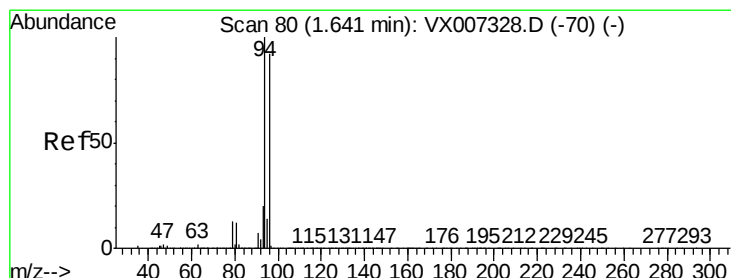
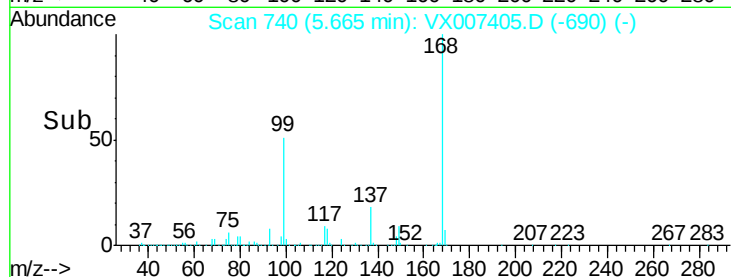
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007405.D

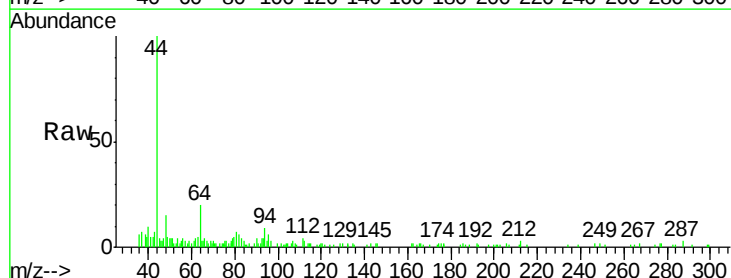
Acq: 06 Feb 2019 17:44

Tgt Ion: 94 Resp: 651

Ion Ratio Lower Upper

94 100

96 57.5 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

500

400

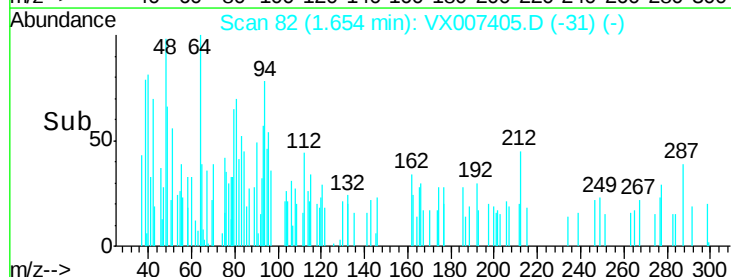
300

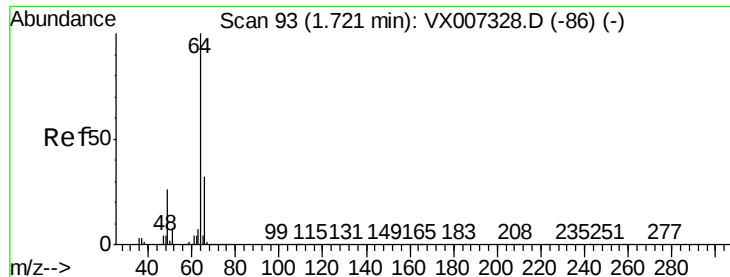
200

100

0

Time--> 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 0.252 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007405.D

Acq: 06 Feb 2019 17:44

Instrument :

MSVOA_X

ClientSampled :

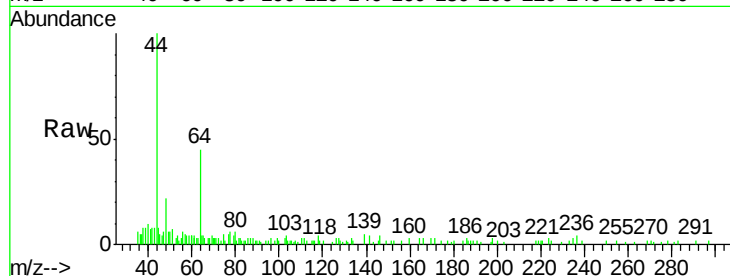
MW-7

Tot Ion: 64 Resp: 943

Ion Ratio Lower Upper

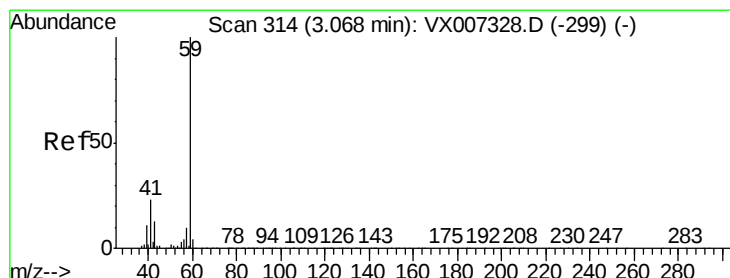
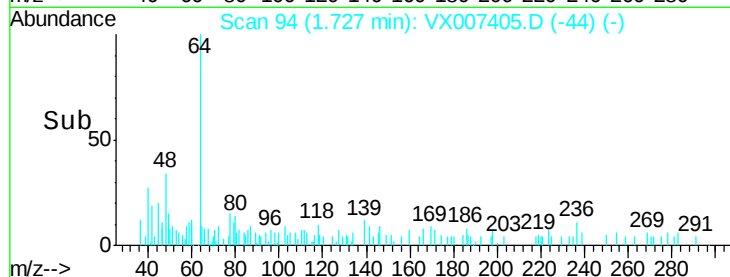
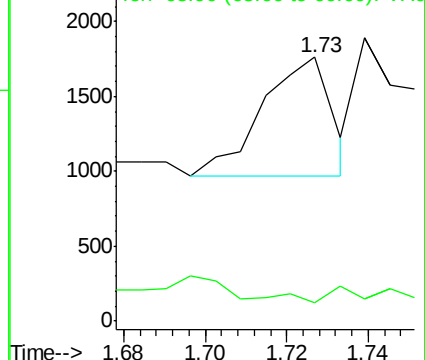
64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 0.724 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX007405.D

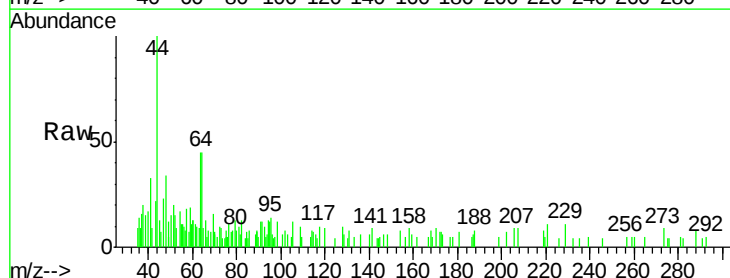
Acq: 06 Feb 2019 17:44

Tgt Ion: 59 Resp: 834

Ion Ratio Lower Upper

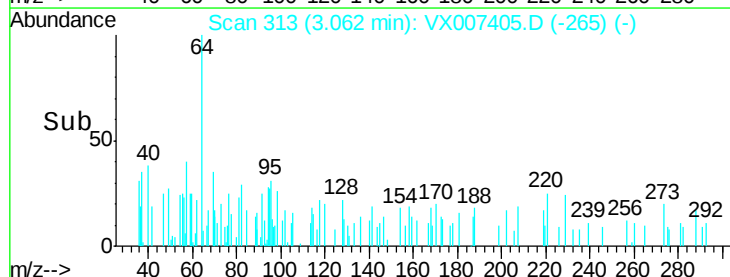
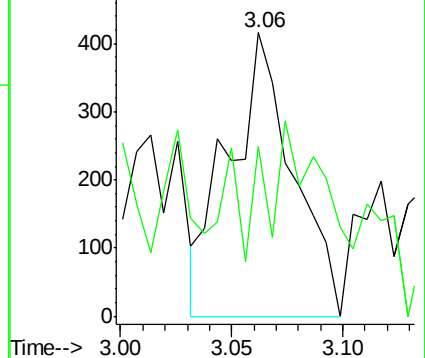
59 100

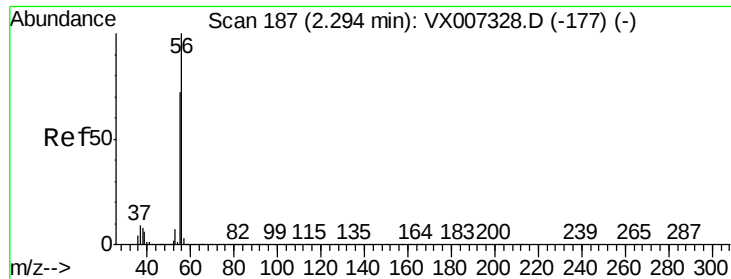
57 39.6 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.256 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007405.D

Acq: 06 Feb 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

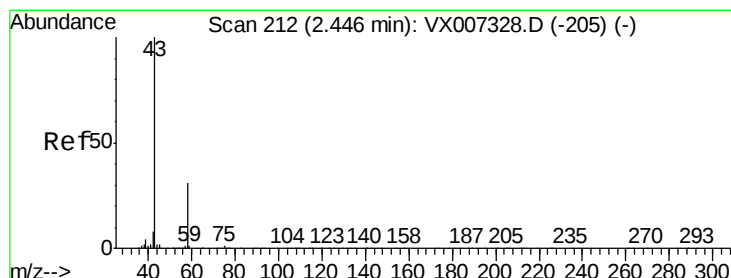
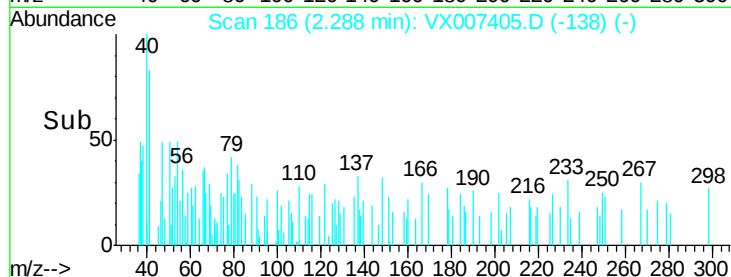
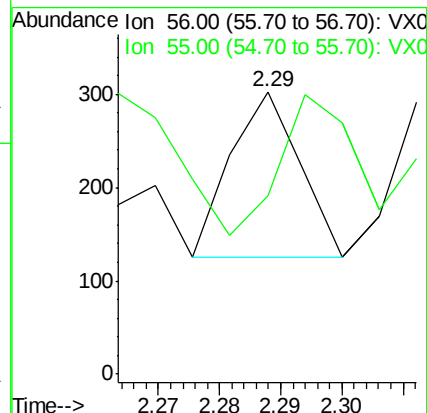
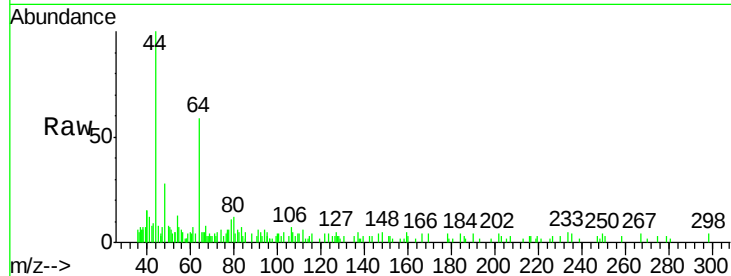
MW-7

Tot Ion: 56 Resp: 138

Ion Ratio Lower Upper

56 100

55 95.7 56.9 85.3#



#16

Acetone

Concen: 3.846 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007405.D

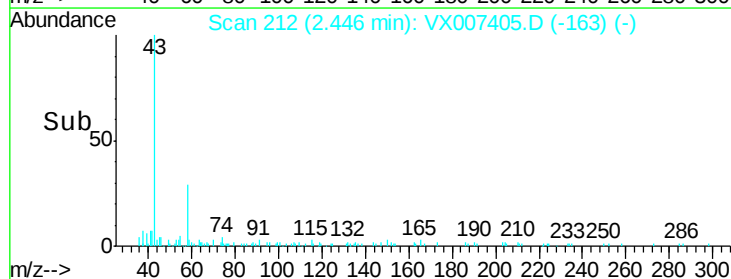
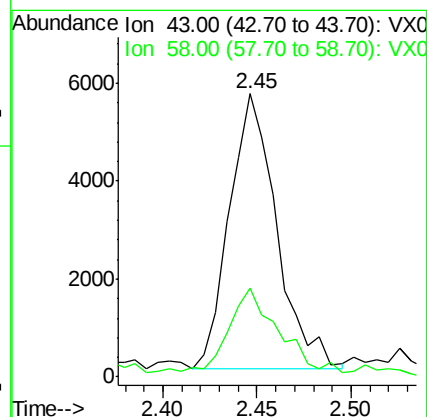
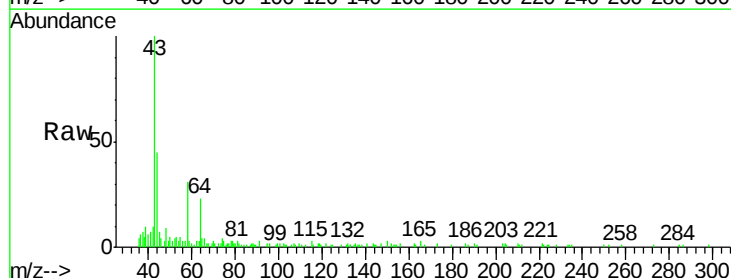
Acq: 06 Feb 2019 17:44

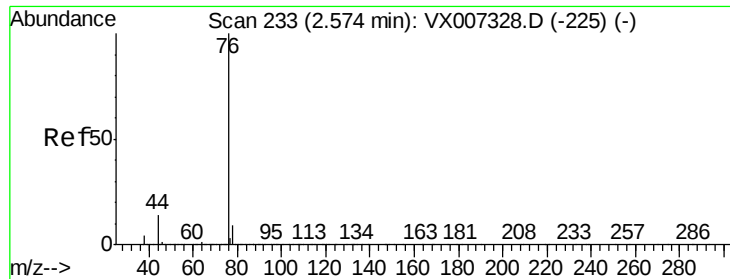
Tgt Ion: 43 Resp: 9801

Ion Ratio Lower Upper

43 100

58 30.8 24.9 37.3





#17

Carbon Disulfide

Concen: 2.244 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007405.D

Acq: 06 Feb 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

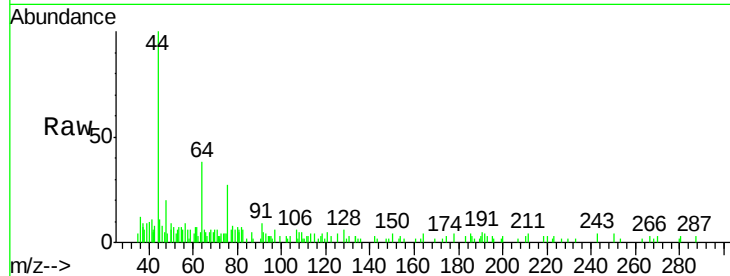
MW-7

Tot Ion: 76 Resp: 1683

Ion Ratio Lower Upper

76 100

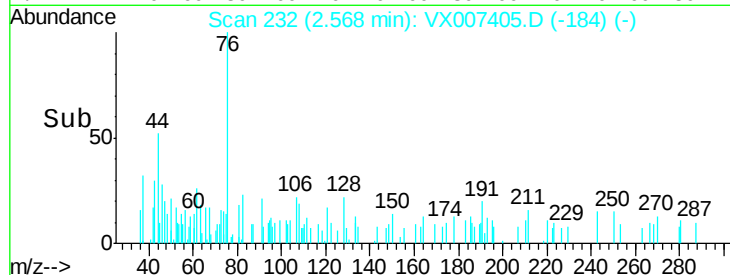
78 3.4 7.1 10.7#



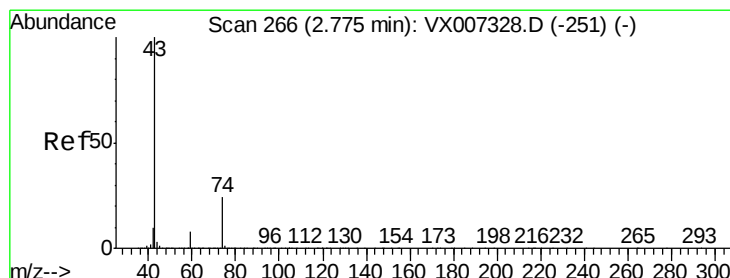
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

Time-->



Time-->



#18

Methyl Acetate

Concen: 0.954 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX007405.D

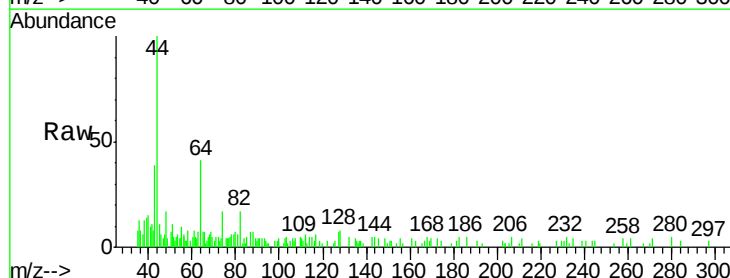
Acq: 06 Feb 2019 17:44

Tgt Ion: 43 Resp: 2425

Ion Ratio Lower Upper

43 100

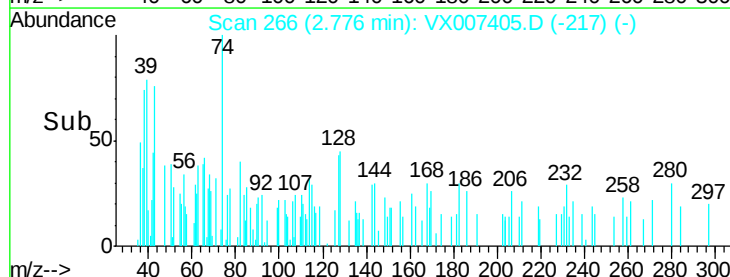
74 14.3 19.4 29.2#



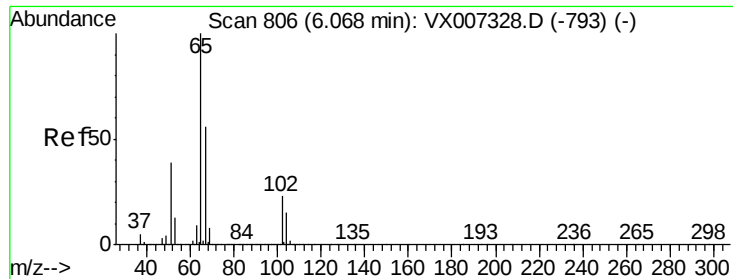
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

Time-->



Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.708 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007405.D

Acq: 06 Feb 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

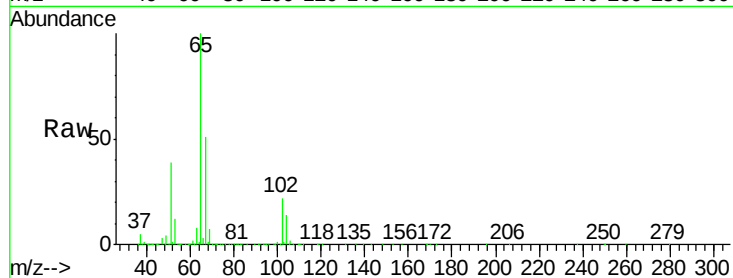
MW-7

Tot Ion: 65 Resp: 287691

Ion Ratio Lower Upper

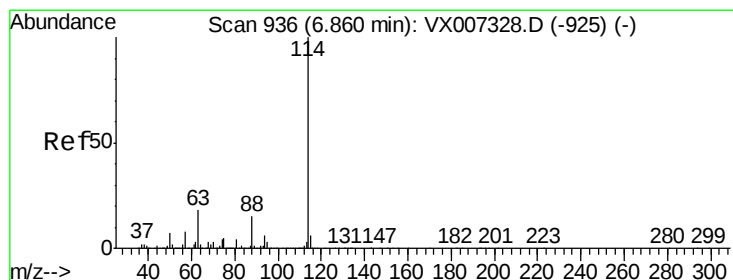
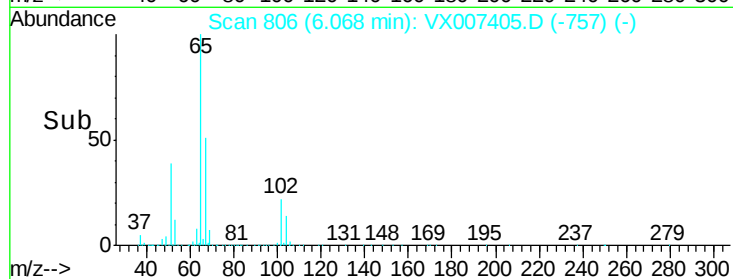
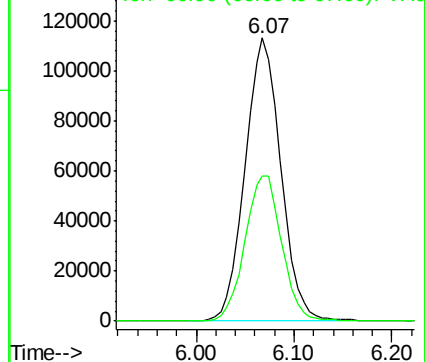
65 100

67 52.9 0.0 108.8



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: VX007405.D

Acq: 06 Feb 2019 17:44

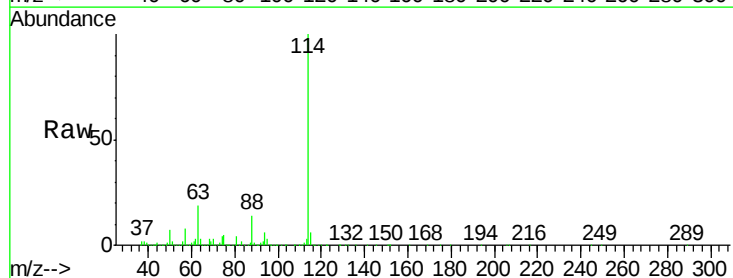
Tgt Ion: 114 Resp: 809369

Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.6

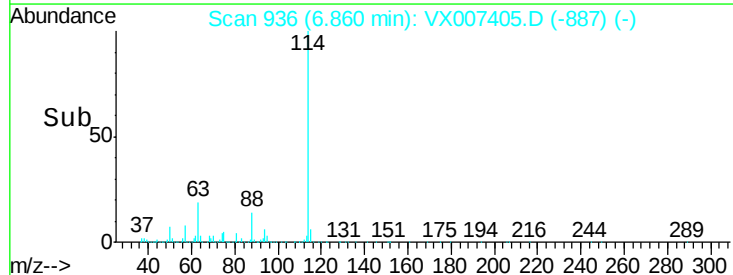
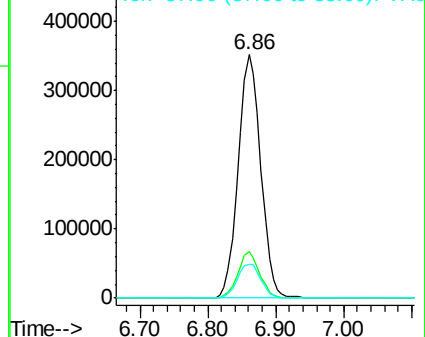
88 14.0 0.0 29.6

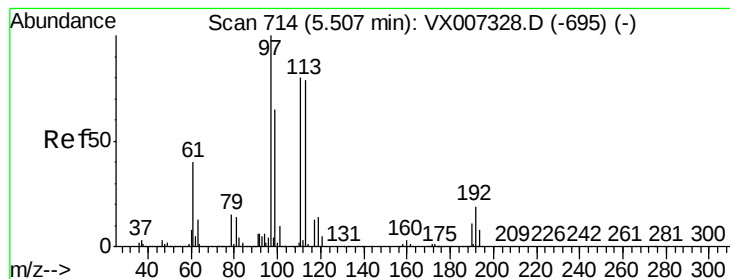


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.206 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007405.D

Acq: 06 Feb 2019 17:44

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ClientSampleId :

MW-7

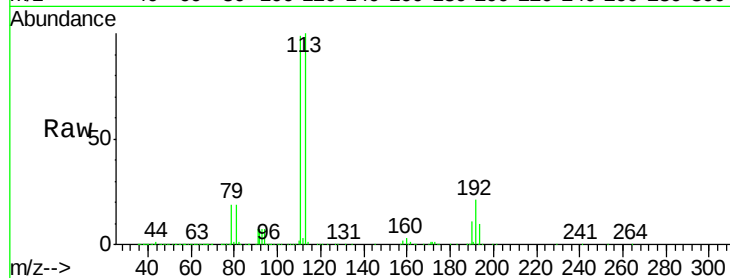
Tot Ion:113 Resp: 253866

Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.8

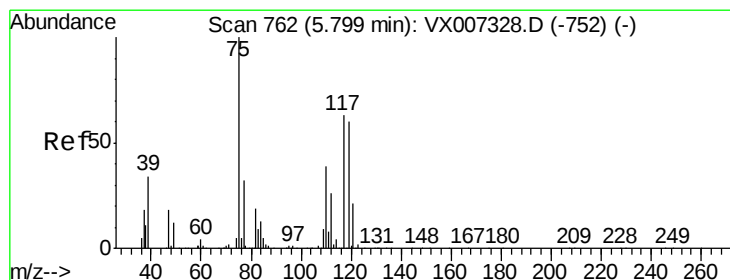
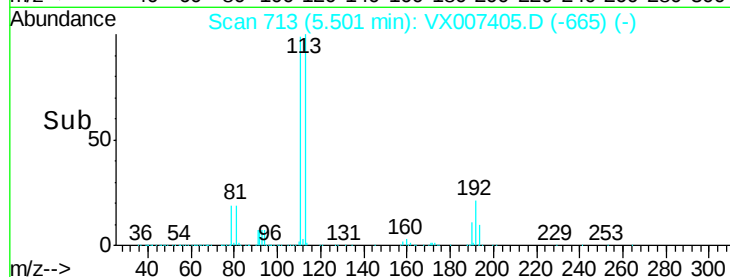
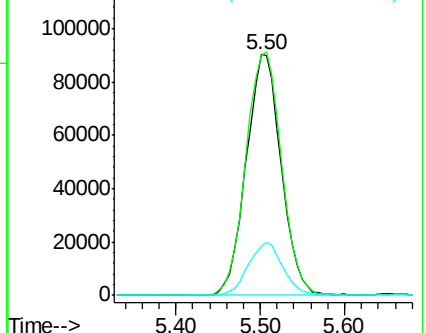
192 21.9 18.5 27.7



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: 4.576 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007405.D

Acq: 06 Feb 2019 17:44

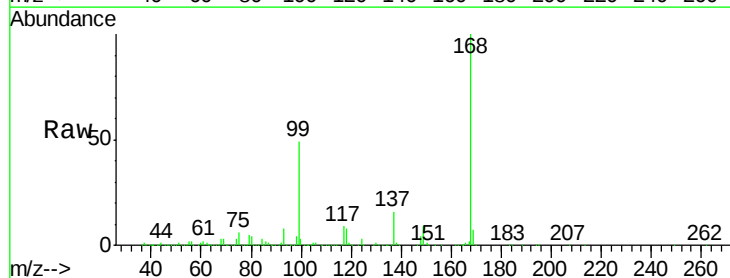
Tgt Ion: 75 Resp: 33231

Ion Ratio Lower Upper

75 100

110 10.5 20.0 59.9#

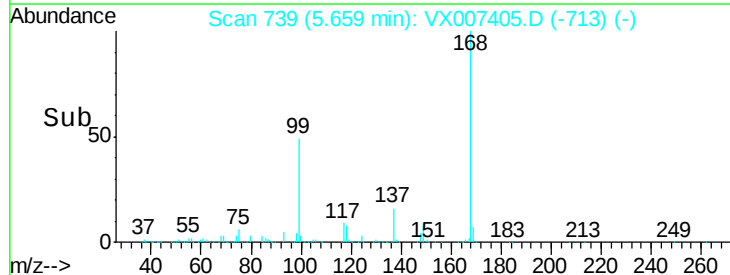
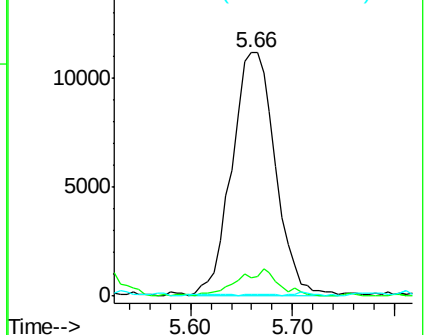
77 0.5 24.7 37.1#

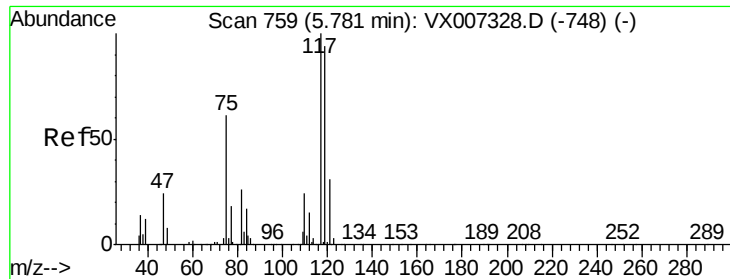


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.725 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007405.D

Acq: 06 Feb 2019 17:44

Instrument :

MSVOA_X

ClientSampled :

MW-7

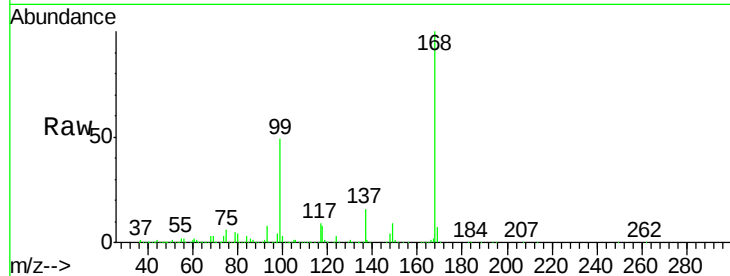
Tot Ion:117 Resp: 47382

Ion Ratio Lower Upper

117 100

119 5.5 75.3 112.9#

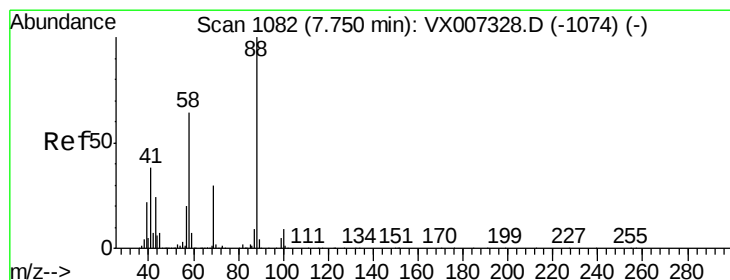
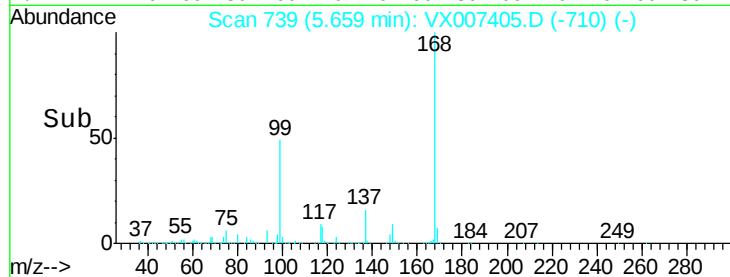
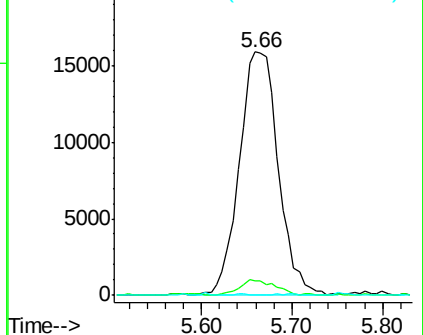
121 0.0 25.0 37.4#



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: 7.873 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007405.D

Acq: 06 Feb 2019 17:44

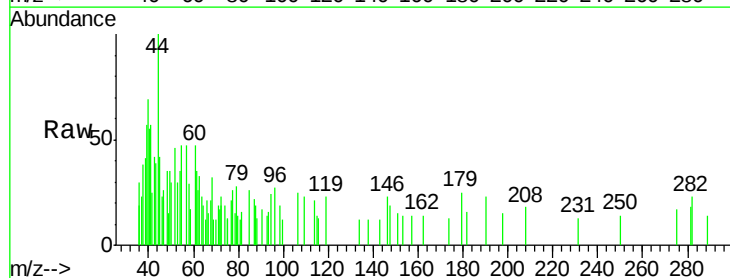
Tgt Ion: 88 Resp: 129

Ion Ratio Lower Upper

88 100

43 306.2 24.2 36.4#

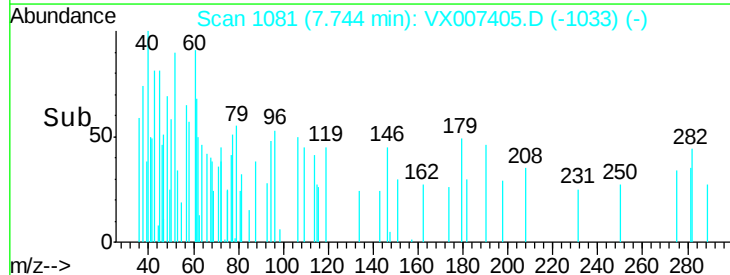
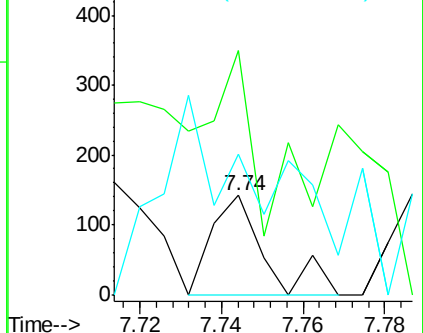
58 398.4 53.0 79.4#

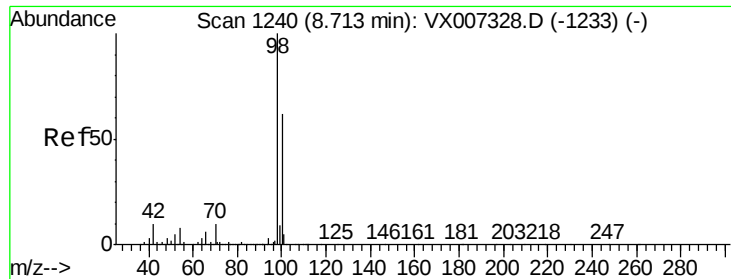


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.776 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007405.D

Acq: 06 Feb 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

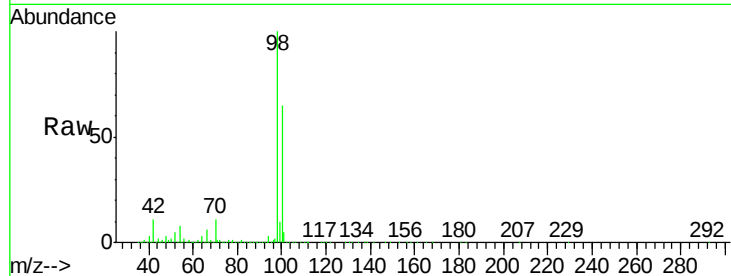
MW-7

Tot Ion: 98 Resp: 972568

Ion Ratio Lower Upper

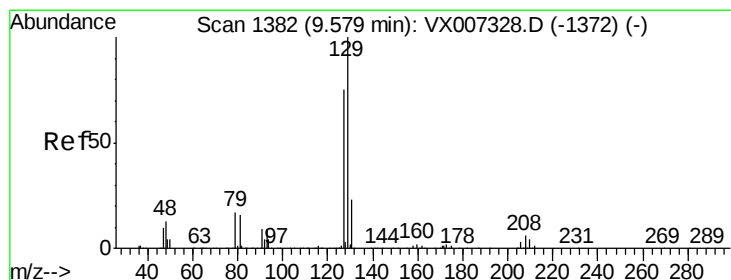
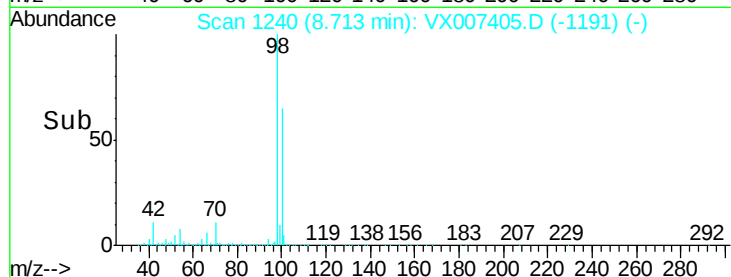
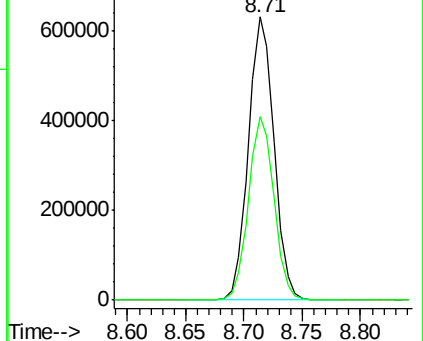
98 100

100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 1.358 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX007405.D

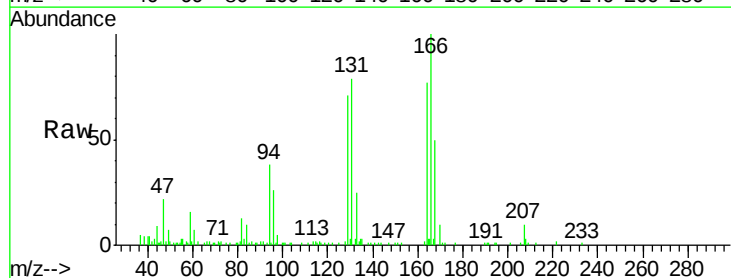
Acq: 06 Feb 2019 17:44

Tgt Ion:129 Resp: 7390

Ion Ratio Lower Upper

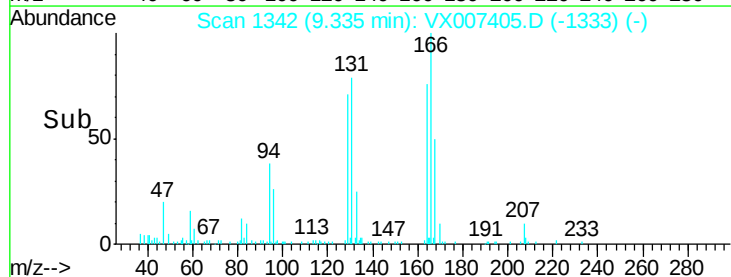
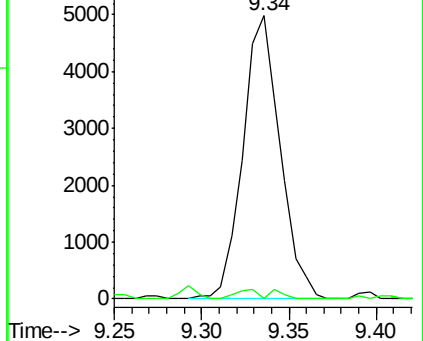
129 100

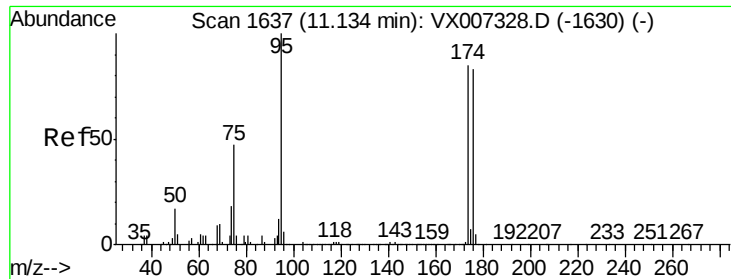
127 1.8 37.8 113.4#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

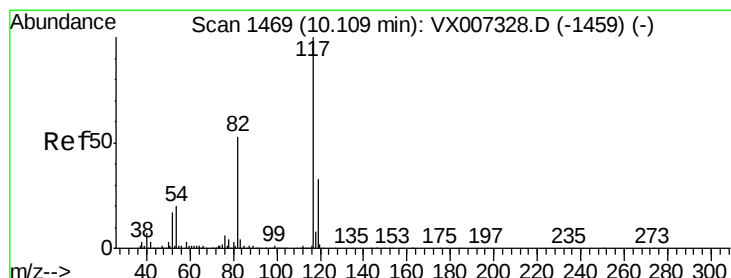
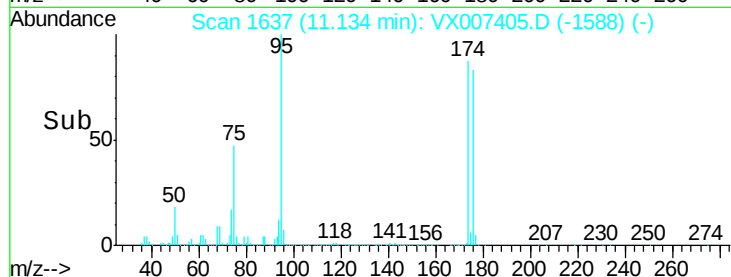
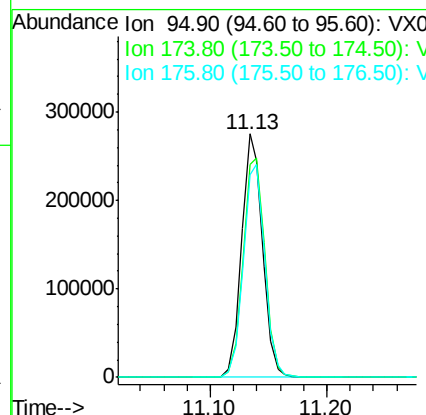
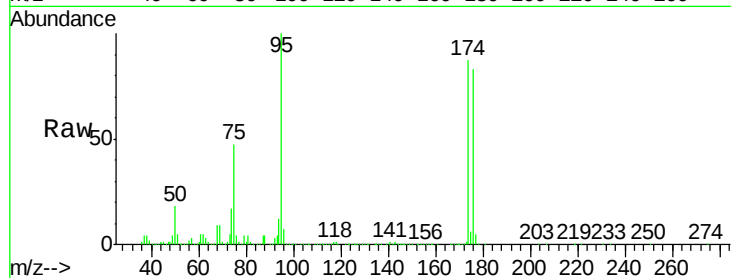




#62
4-Bromofluorobenzene
Concen: 48.189 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007405.D
Acq: 06 Feb 2019 17:44

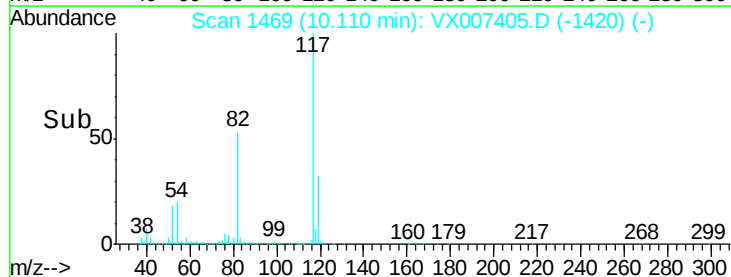
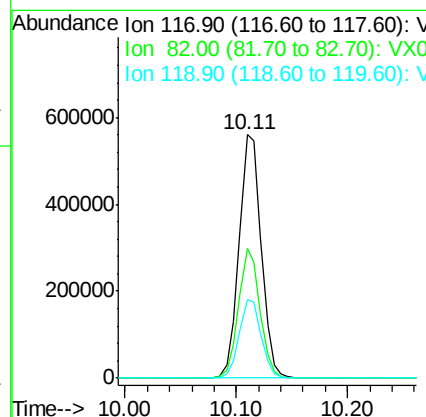
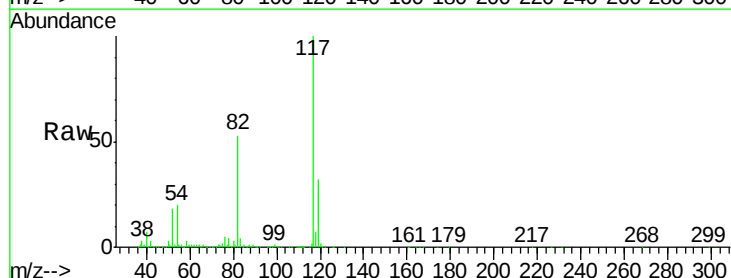
Instrument :
MSVOA_X
ClientSampled :
MW-7

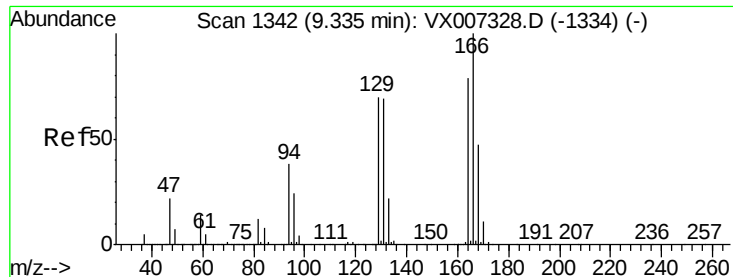
Tot Ion: 95 Resp: 343759
Ion Ratio Lower Upper
95 100
174 93.8 0.0 189.2
176 90.2 0.0 186.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007405.D
Acq: 06 Feb 2019 17:44

Tgt Ion: 117 Resp: 769769
Ion Ratio Lower Upper
117 100
82 53.5 42.1 63.1
119 32.4 26.5 39.7





#64

Tetrachloroethene

Concen: 1.072 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007405.D

Acq: 06 Feb 2019 17:44

Instrument :

MSVOA_X

ClientSampled :

MW-7

Tot Ion:164 Resp: 7777

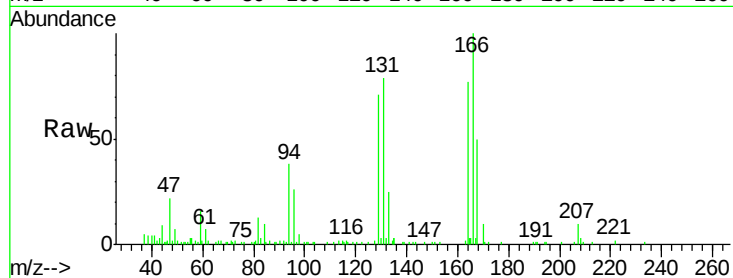
Ion Ratio Lower Upper

164 100

166 130.7 101.0 151.4

129 92.5 70.5 105.7

131 103.3 69.8 104.6

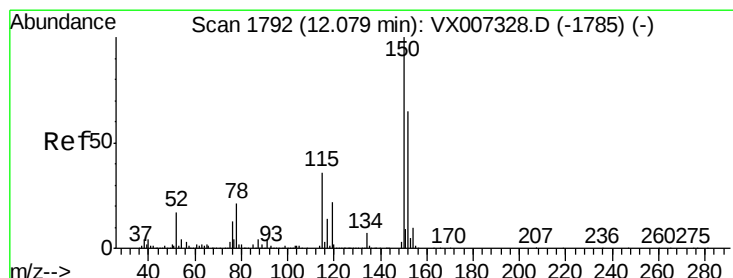
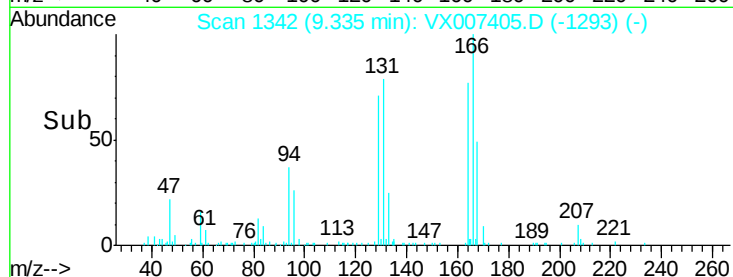
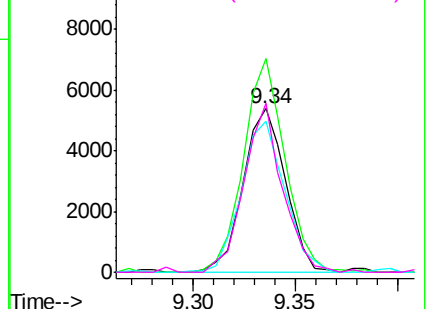


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX007405.D

Acq: 06 Feb 2019 17:44

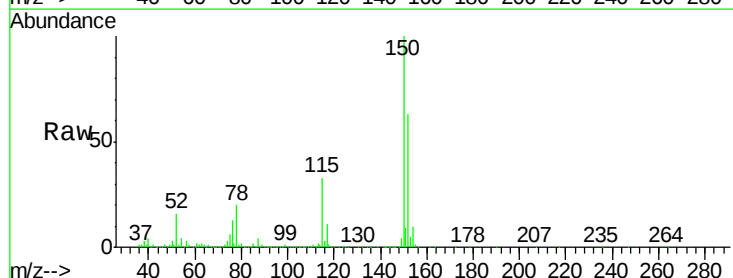
Tgt Ion:152 Resp: 368487

Ion Ratio Lower Upper

152 100

115 54.3 38.0 114.0

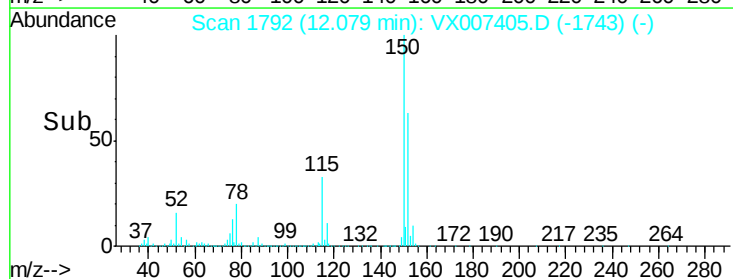
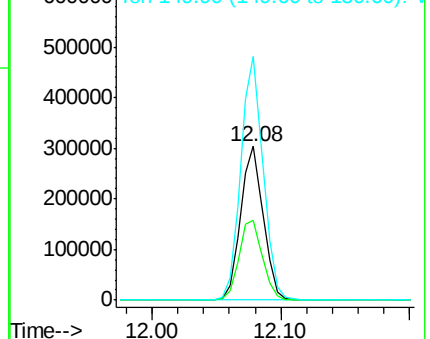
150 156.7 0.0 346.4

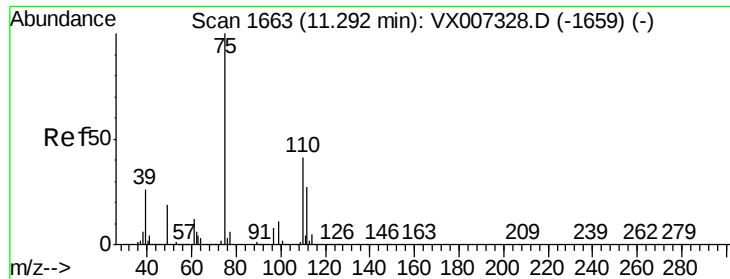


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.604 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007405.D

Acq: 06 Feb 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

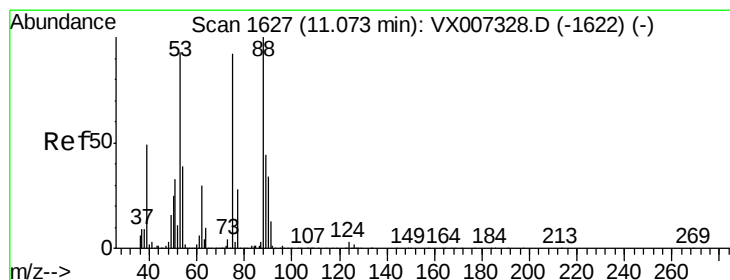
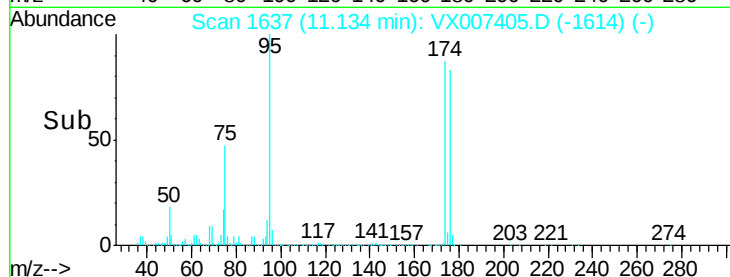
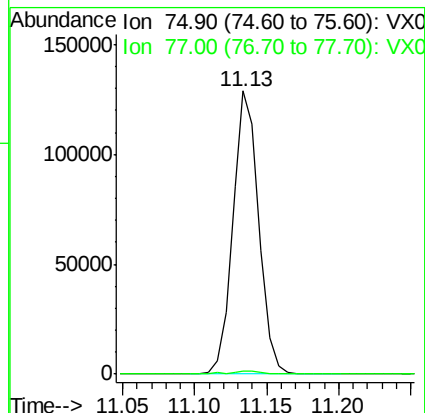
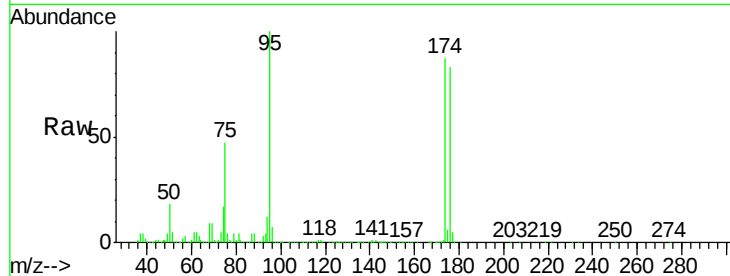
MW-7

Tot Ion: 75 Resp: 162018

Ion Ratio Lower Upper

75 100

77 1.4 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.188 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007405.D

Acq: 06 Feb 2019 17:44

Tgt Ion: 75 Resp: 162018

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.2 41.4 62.0#

