

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020619\
 Data File : VX007409.D
 Acq On : 06 Feb 2019 19:30
 Operator : JC/SP
 Sample : K1395-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

Quant Time: Feb 07 00:05:04 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	541221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	838030	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	784371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	381315	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	290754	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
35) Dibromofluoromethane	5.51	113	263258	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	8.71	98	1000684	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	11.13	95	355125	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	

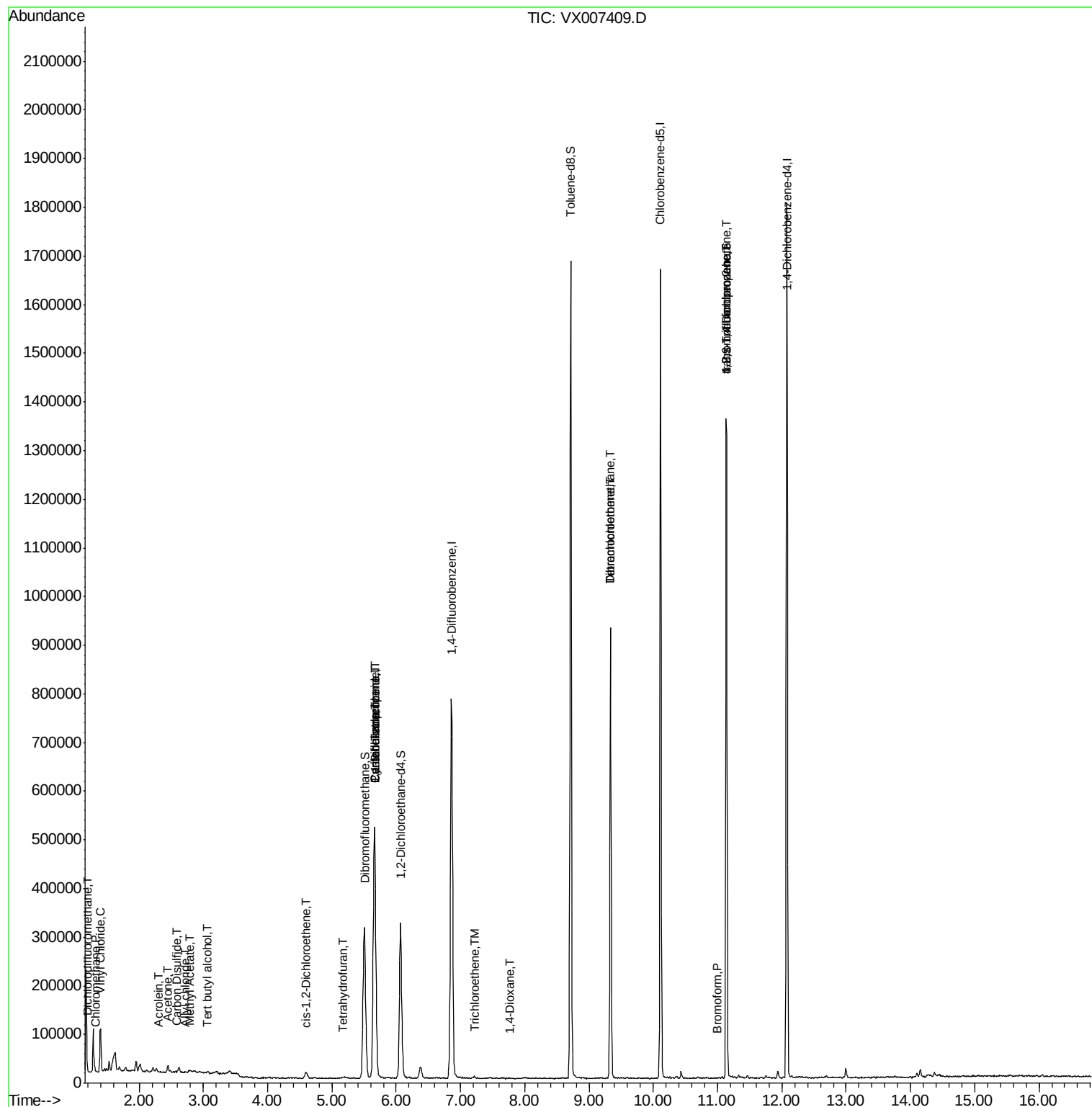
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	497	0.252	ug/l #	28
3) Chloromethane	1.32	50	1380	0.226	ug/l #	75
4) Vinyl Chloride	1.41	62	2004	0.335	ug/l #	72
5) Bromomethane	1.64	94	548	Below Cal	#	70
11) Tert butyl alcohol	3.07	59	3338	2.808	ug/l #	90
13) Acrolein	2.29	56	259	0.465	ug/l #	14
14) Allyl chloride	2.71	41	1712	0.203	ug/l #	44
16) Acetone	2.45	43	13696	5.205	ug/l	99
17) Carbon Disulfide	2.57	76	2861	2.324	ug/l #	84
18) Methyl Acetate	2.78	43	3457	1.091	ug/l #	90
20) Methylene Chloride	2.85	84	1921	Below Cal	#	78
27) cis-1,2-Dichloroethene	4.60	96	8534	1.419	ug/l	90
29) Tetrahydrofuran	5.17	42	2190	0.930	ug/l #	87
31) Cyclohexane	5.66	56	10145	1.270	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	34782	4.626	ug/l #	49
38) Carbon Tetrachloride	5.67	117	48163	6.602	ug/l #	17
44) Trichloroethene	7.22	130	1465	0.220	ug/l	86
49) 1,4-Dioxane	7.77	88	206	8.412	ug/l #	25
60) Dibromochloromethane	9.34	129	165639	29.401	ug/l #	12
64) Tetrachloroethene	9.34	164	183691	24.847	ug/l	97
71) Bromoform	11.00	173	103	4.048	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	168419	22.707	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	168419	68.478	ug/l #	9

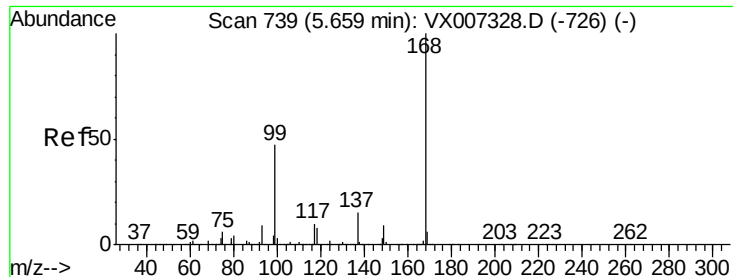
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020619\
Data File : VX007409.D
Acq On : 06 Feb 2019 19:30
Operator : JC/SP
Sample : K1395-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-12

Quant Time: Feb 07 00:05:04 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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007409.D

Acq: 06 Feb 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

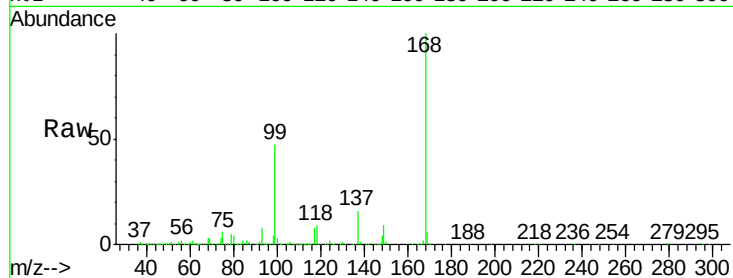
MW-12

Tot Ion:168 Resp: 541221

Ion Ratio Lower Upper

168 100

99 46.9 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

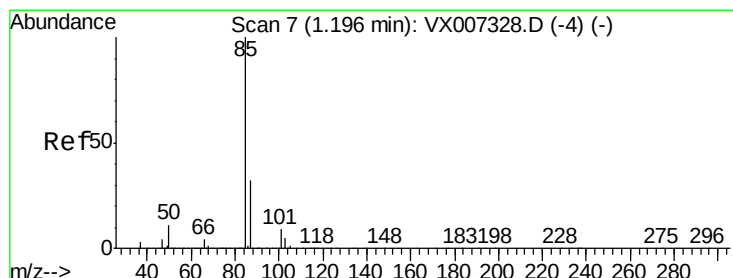
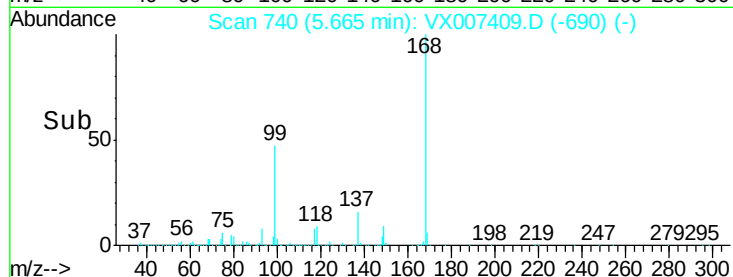
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.252 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007409.D

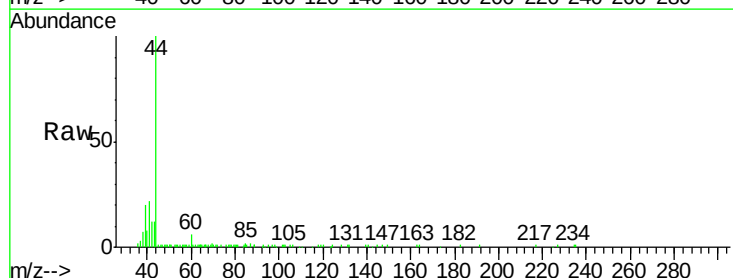
Acq: 06 Feb 2019 19:30

Tgt Ion: 85 Resp: 497

Ion Ratio Lower Upper

85 100

87 71.3 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

300

250

200

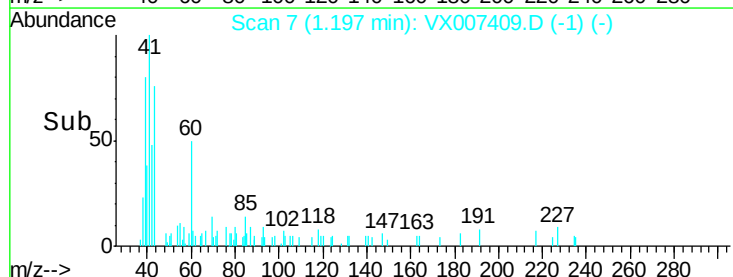
150

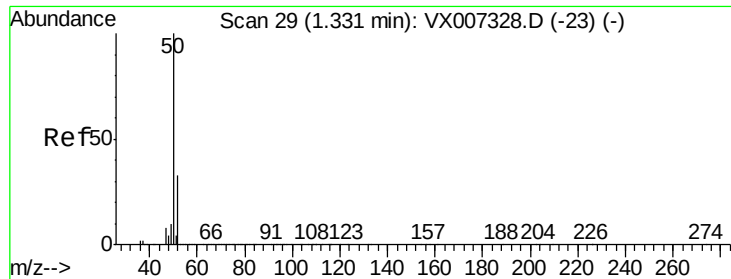
100

50

0

Time-->





#3

Chloromethane

Concen: 0.226 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007409.D

Acq: 06 Feb 2019 19:30

Instrument :

MSVOA_X

ClientSampled :

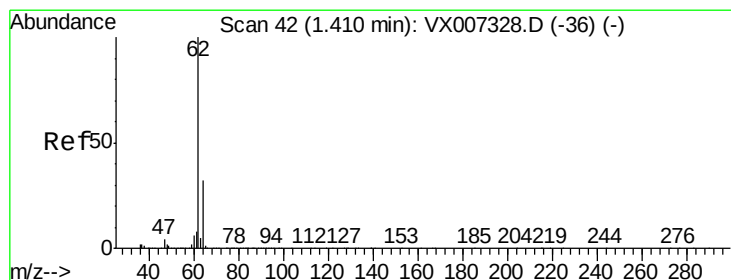
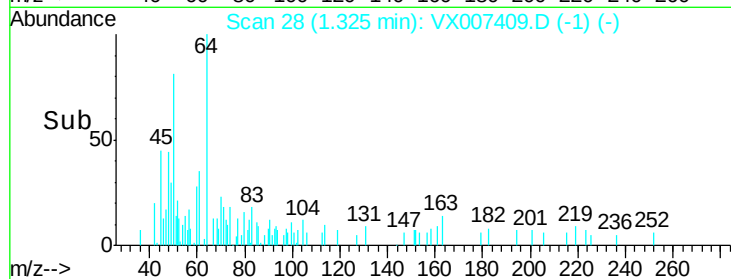
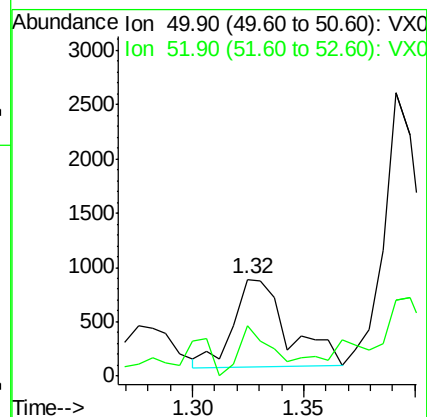
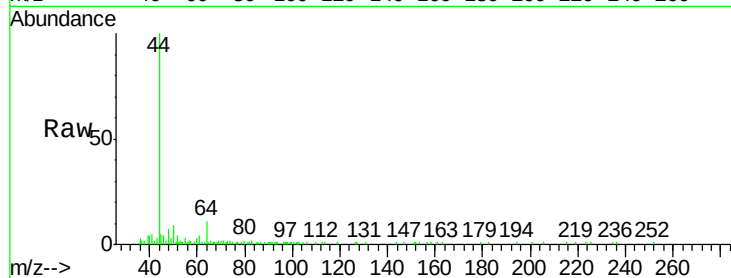
MW-12

Tot Ion: 50 Resp: 1380

Ion Ratio Lower Upper

50 100

52 18.6 26.1 39.1#



#4

Vinyl Chloride

Concen: 0.335 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007409.D

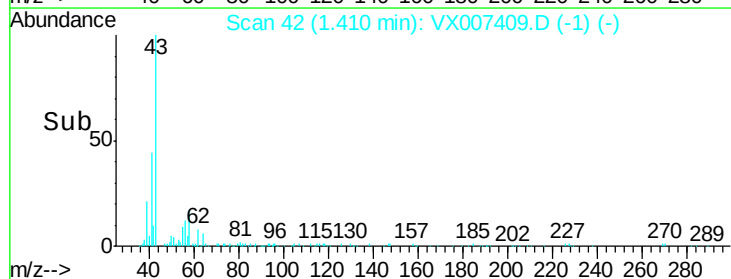
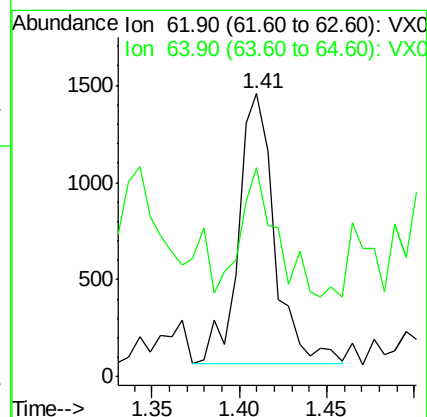
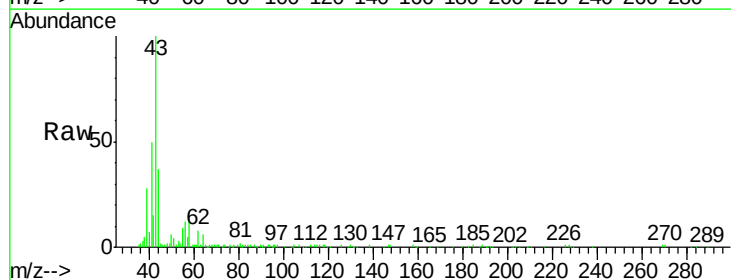
Acq: 06 Feb 2019 19:30

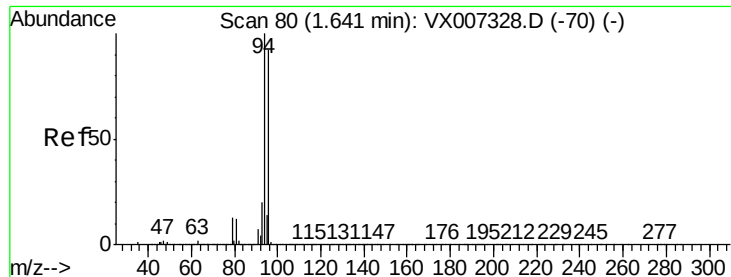
Tgt Ion: 62 Resp: 2004

Ion Ratio Lower Upper

62 100

64 47.5 25.4 38.0#





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007409.D

Acq: 06 Feb 2019 19:30

Instrument :

MSVOA_X

ClientSampled :

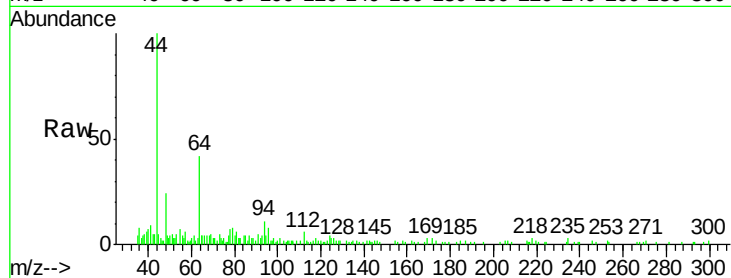
MW-12

Tot Ion: 94 Resp: 548

Ion Ratio Lower Upper

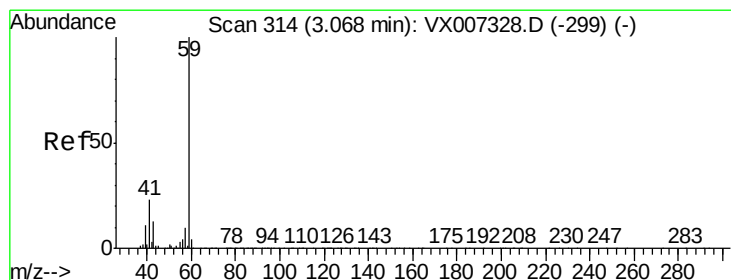
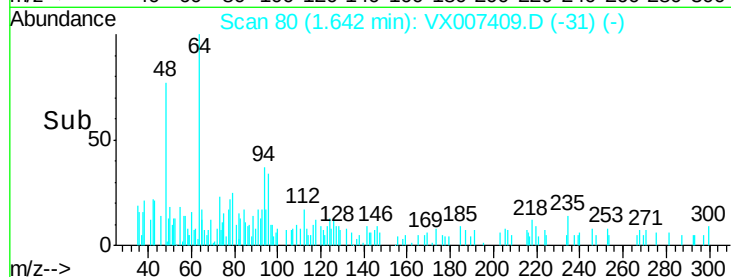
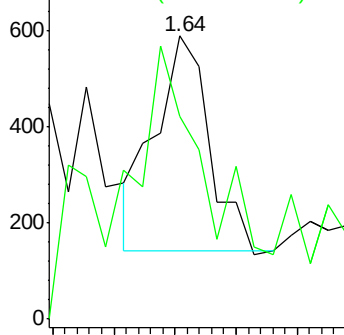
94 100

96 64.0 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 2.808 ug/l

RT: 3.07 min Scan# 315

Delta R.T. 0.01 min

Lab File: VX007409.D

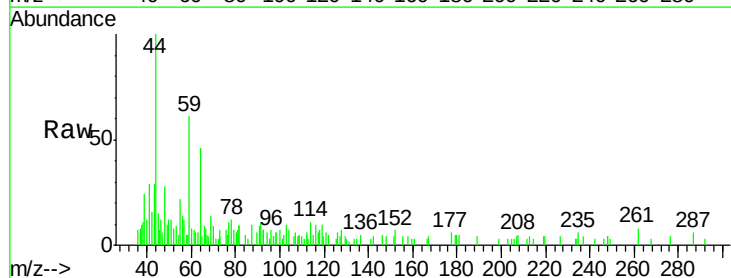
Acq: 06 Feb 2019 19:30

Tgt Ion: 59 Resp: 3338

Ion Ratio Lower Upper

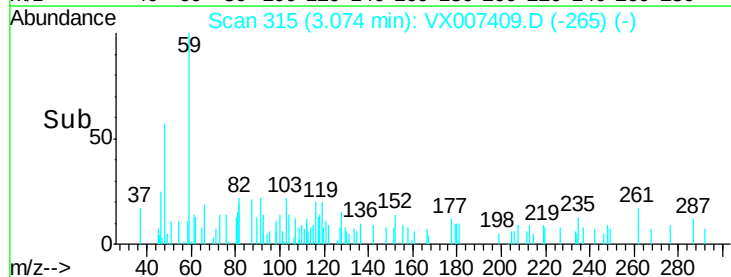
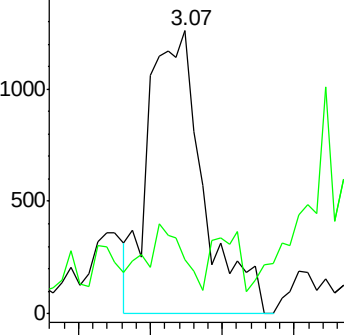
59 100

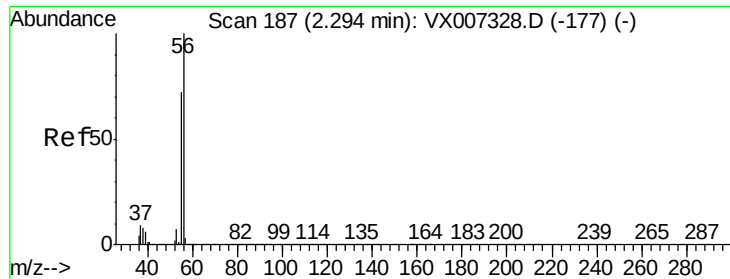
57 13.8 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.465 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX007409.D

Acq: 06 Feb 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

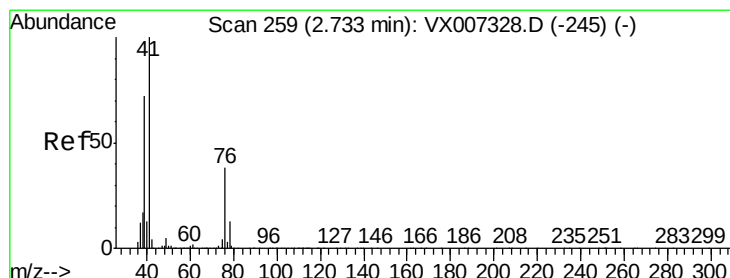
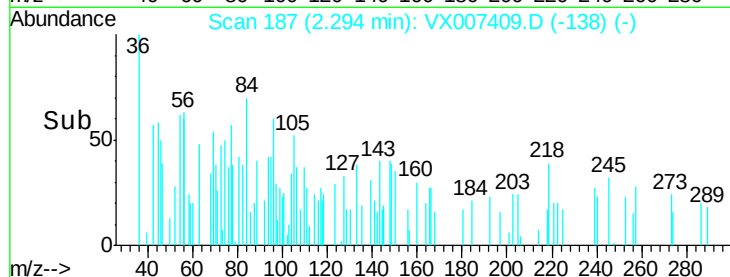
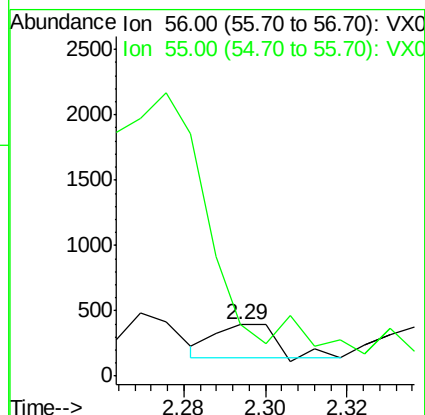
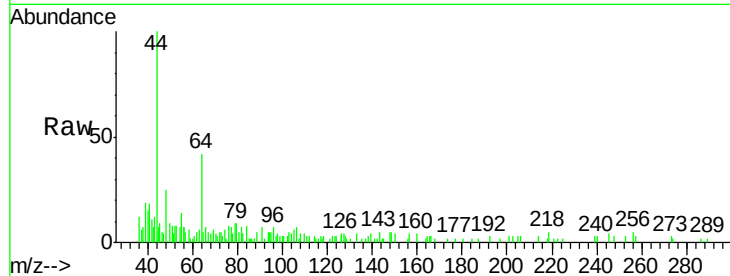
MW-12

Tot Ion: 56 Resp: 259

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#14

Allyl chloride

Concen: 0.203 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.02 min

Lab File: VX007409.D

Acq: 06 Feb 2019 19:30

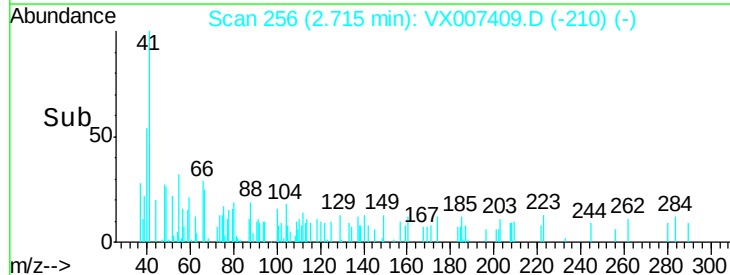
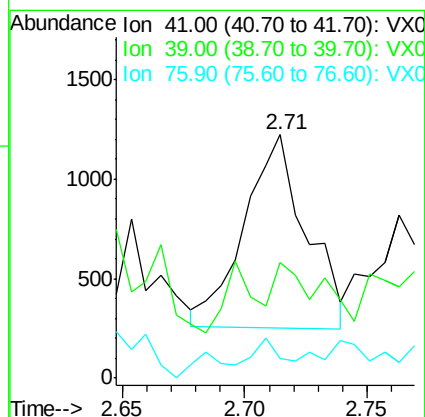
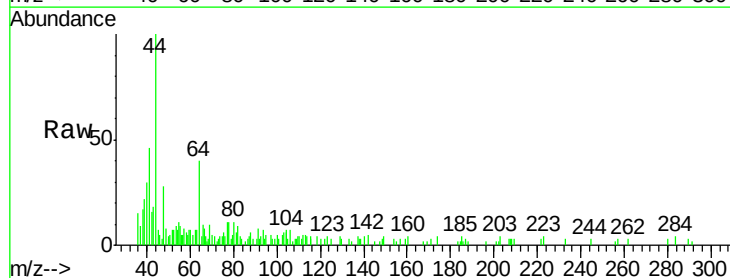
Tgt Ion: 41 Resp: 1712

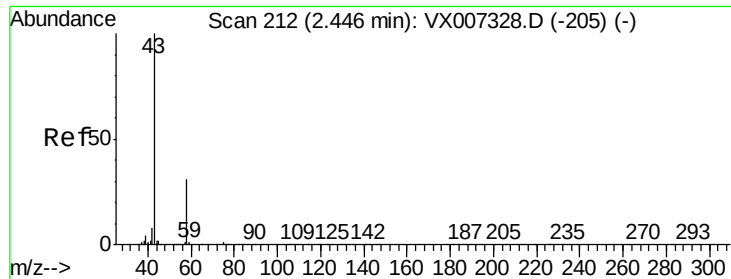
Ion Ratio Lower Upper

41 100

39 20.5 54.1 81.1#

76 5.3 27.8 41.8#

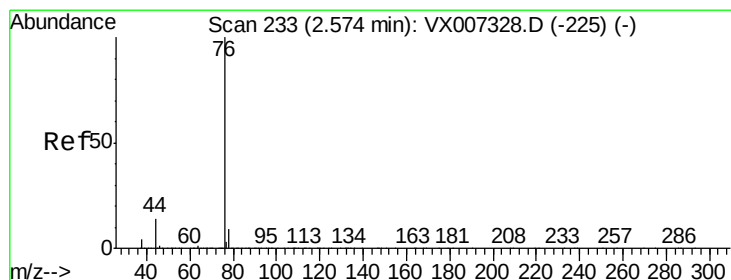
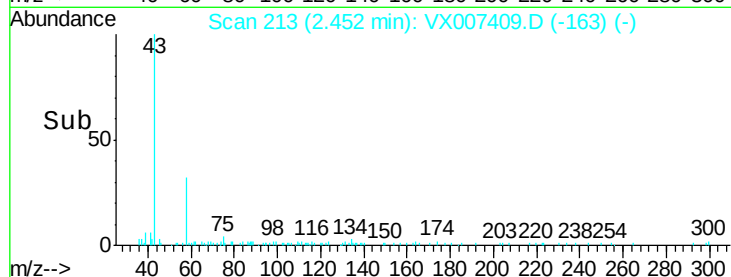
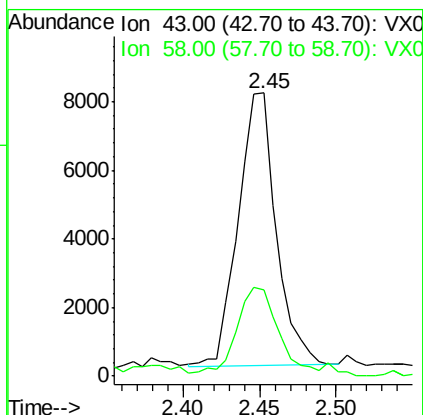
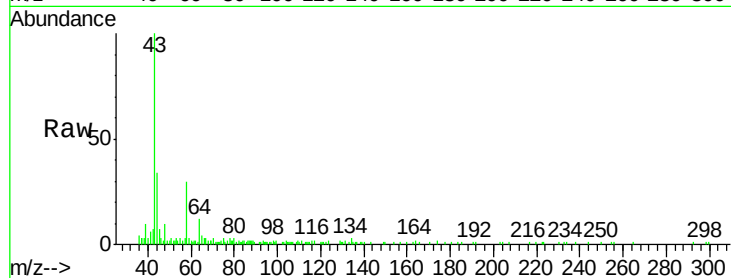




#16
Acetone
Concen: 5.205 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX007409.D
Acq: 06 Feb 2019 19:30

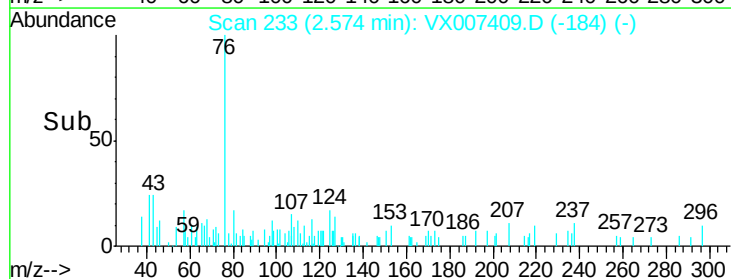
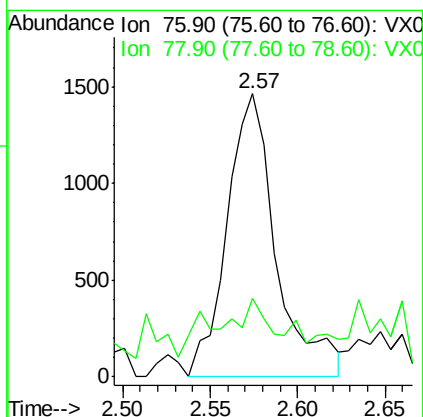
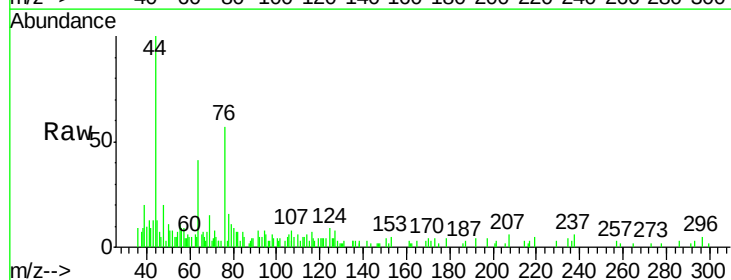
Instrument :
MSVOA_X
ClientSampleId :
MW-12

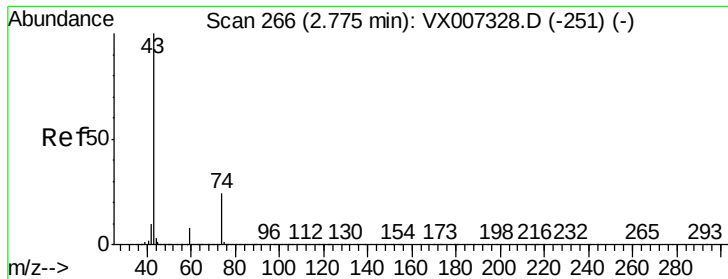
Tot Ion: 43 Resp: 13696
Ion Ratio Lower Upper
43 100
58 30.5 24.9 37.3



#17
Carbon Disulfide
Concen: 2.324 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007409.D
Acq: 06 Feb 2019 19:30

Tgt Ion: 76 Resp: 2861
Ion Ratio Lower Upper
76 100
78 14.6 7.1 10.7#

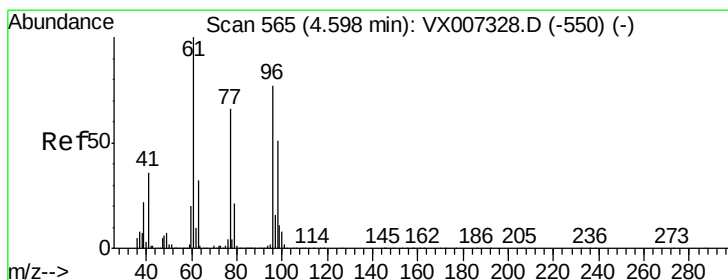
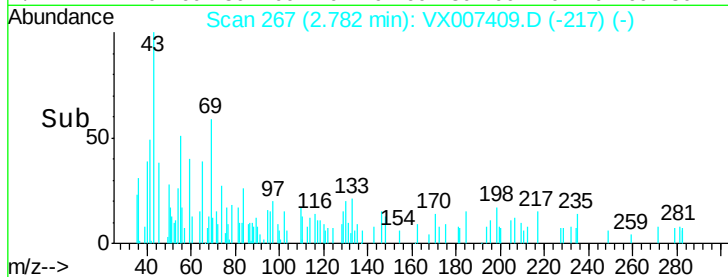
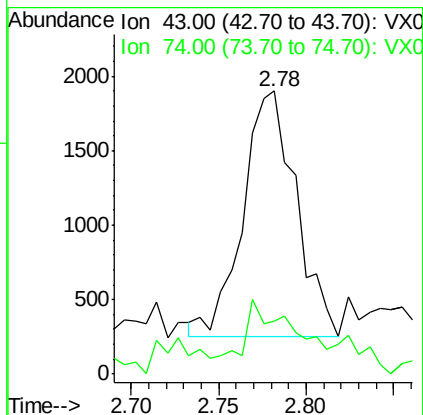
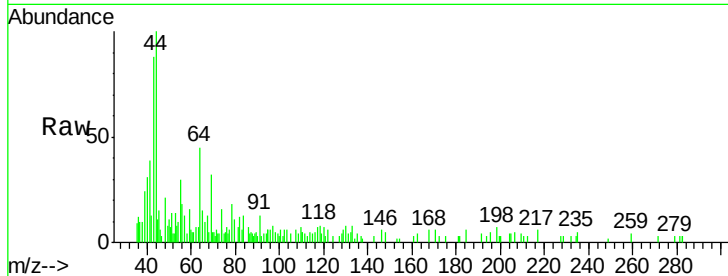




#18
Methyl Acetate
Concen: 1.091 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007409.D
Acq: 06 Feb 2019 19:30

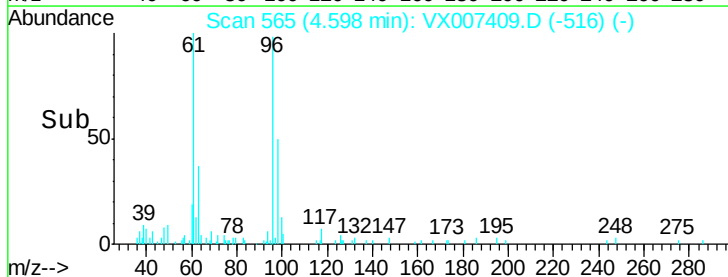
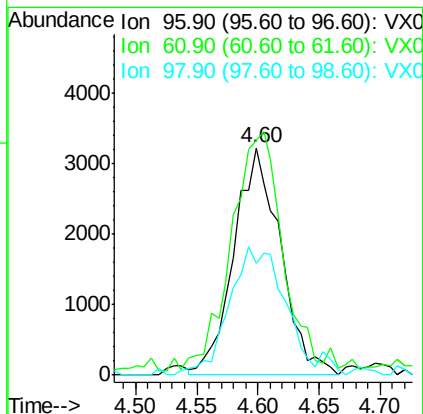
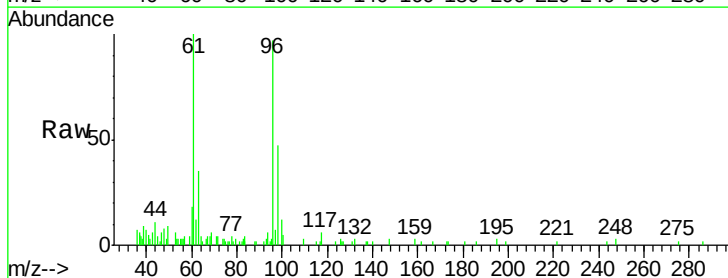
Instrument :
MSVOA_X
ClientSampleId :
MW-12

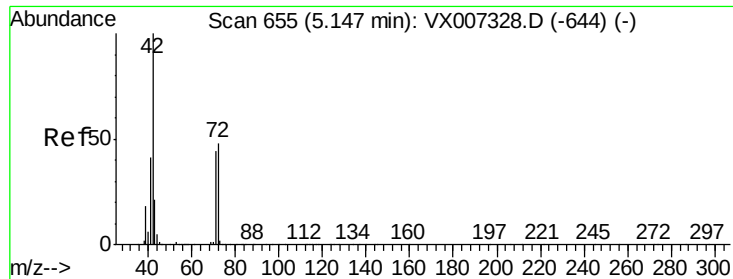
Tot Ion: 43 Resp: 3457
Ion Ratio Lower Upper
43 100
74 19.3 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 1.419 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007409.D
Acq: 06 Feb 2019 19:30

Tgt Ion: 96 Resp: 8534
Ion Ratio Lower Upper
96 100
61 115.8 0.0 265.6
98 66.2 0.0 131.6





#29

Tetrahydrofuran

Concen: 0.930 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.02 min

Lab File: VX007409.D

Acq: 06 Feb 2019 19:30

Instrument :

MSVOA_X

ClientSampled :

MW-12

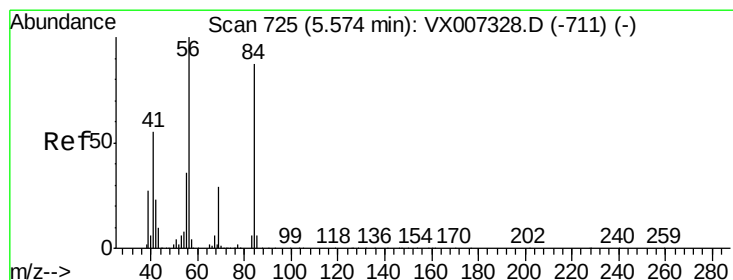
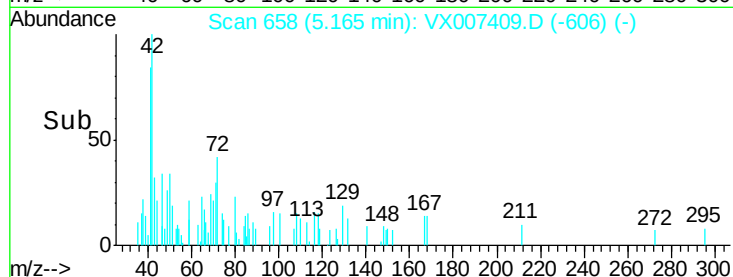
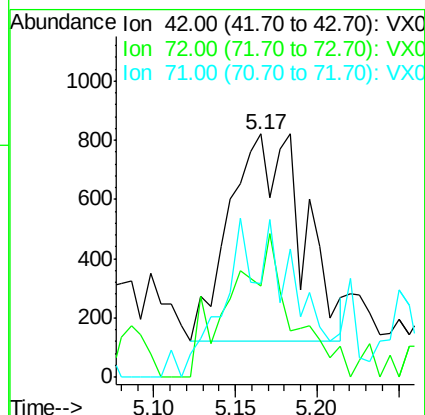
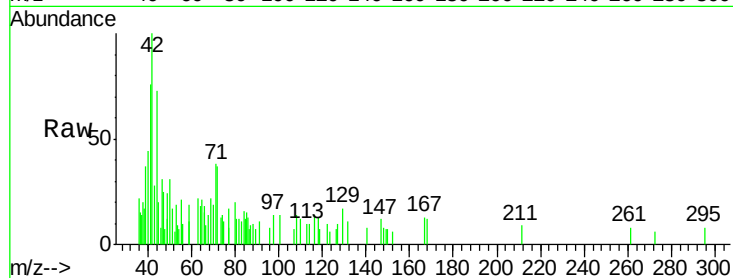
Tot Ion: 42 Resp: 2190

Ion Ratio Lower Upper

42 100

72 57.4 37.6 56.4#

71 36.3 34.6 51.8



#31

Cyclohexane

Concen: 1.270 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX007409.D

Acq: 06 Feb 2019 19:30

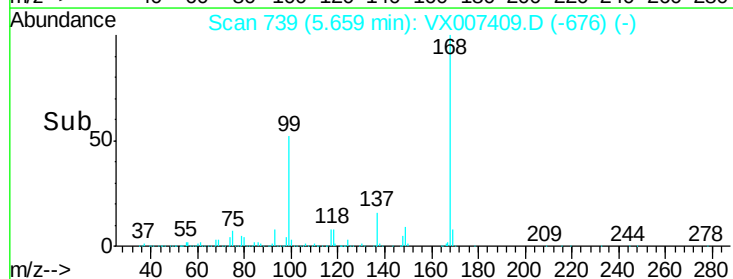
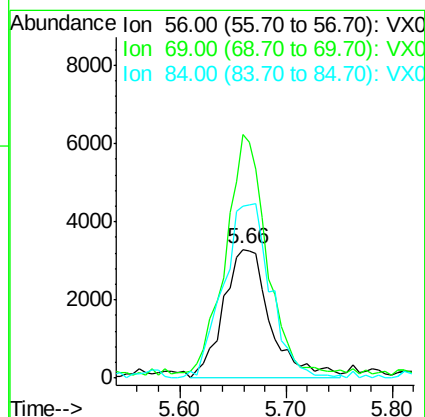
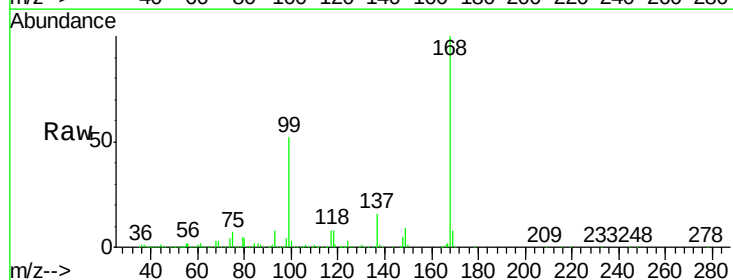
Tgt Ion: 56 Resp: 10145

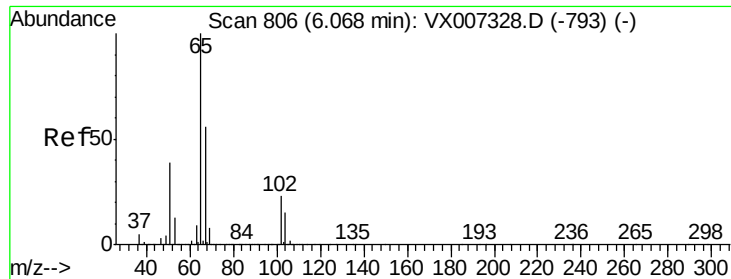
Ion Ratio Lower Upper

56 100

69 183.6 23.0 34.6#

84 131.2 69.8 104.6#

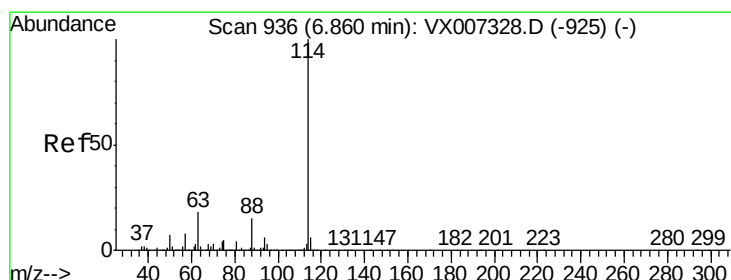
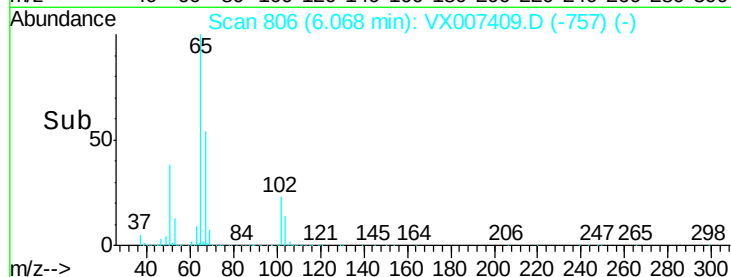
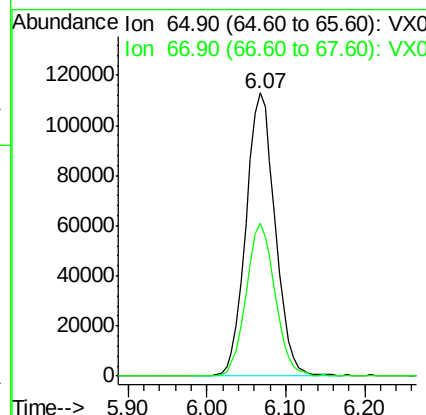
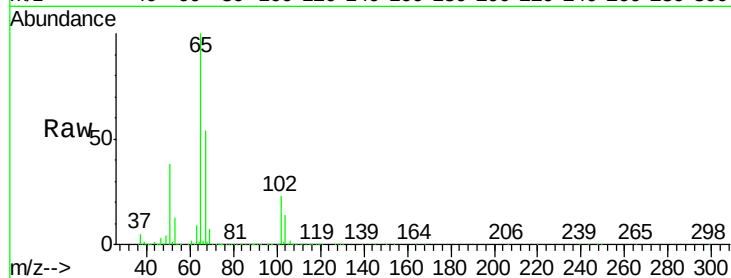




#33
 1,2-Dichloroethane-d4
 Concen: 50.613 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007409.D
 Acq: 06 Feb 2019 19:30

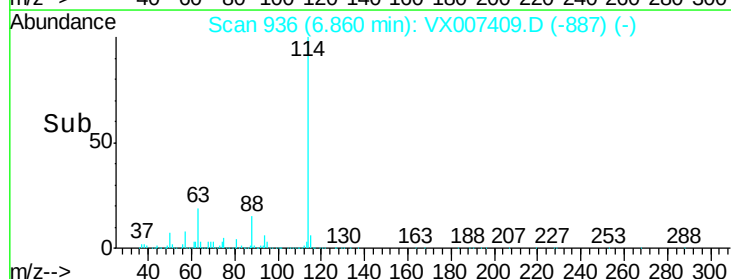
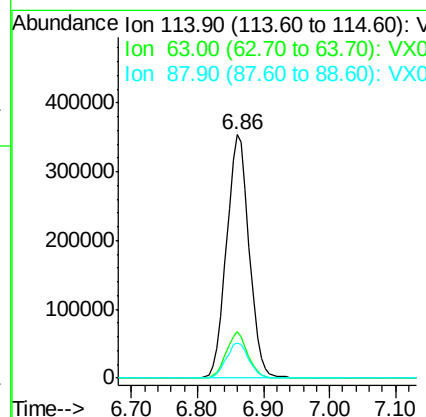
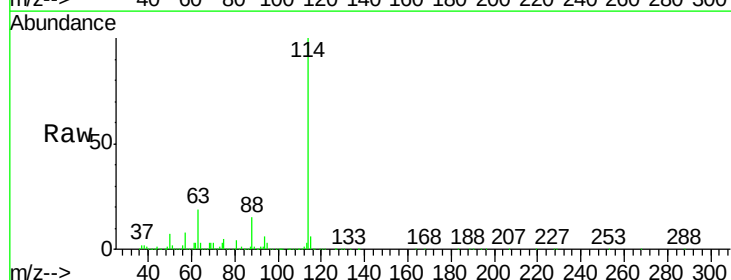
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

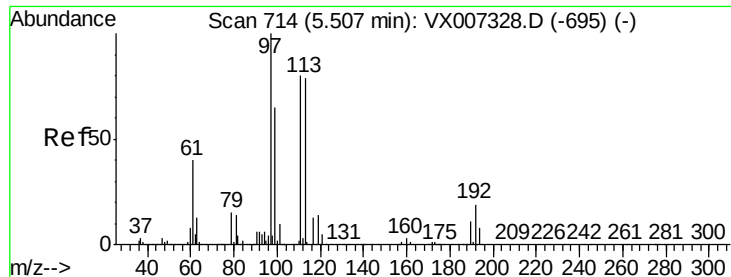
Tot Ion: 65 Resp: 290754
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007409.D
 Acq: 06 Feb 2019 19:30

Tgt Ion: 114 Resp: 838030
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 35.6
 88 14.6 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.280 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007409.D

Acq: 06 Feb 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

MW-12

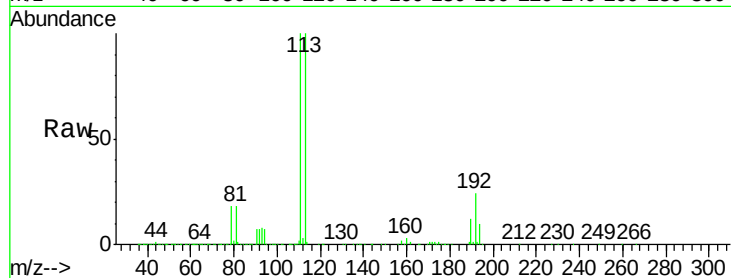
Tot Ion:113 Resp: 263258

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

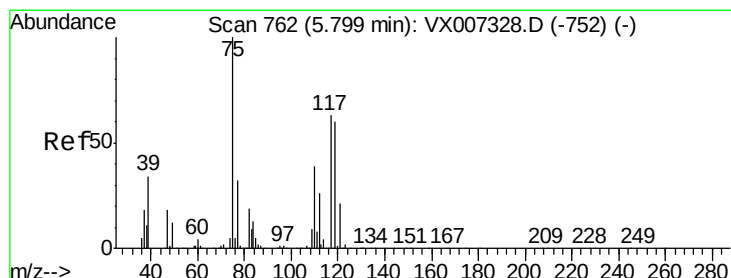
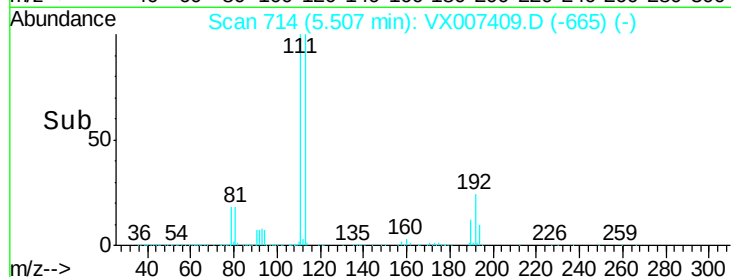
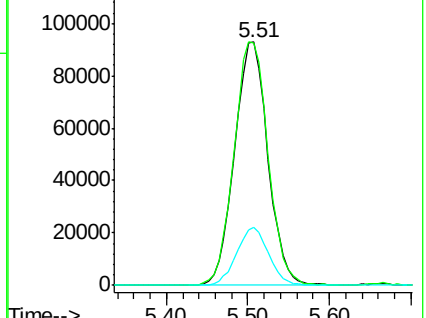
192 22.8 18.5 27.7



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: 4.626 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007409.D

Acq: 06 Feb 2019 19:30

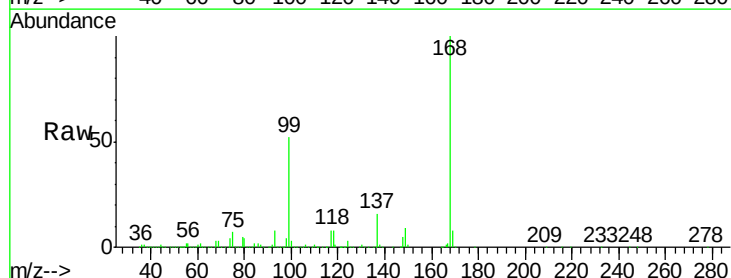
Tgt Ion: 75 Resp: 34782

Ion Ratio Lower Upper

75 100

110 10.6 20.0 59.9#

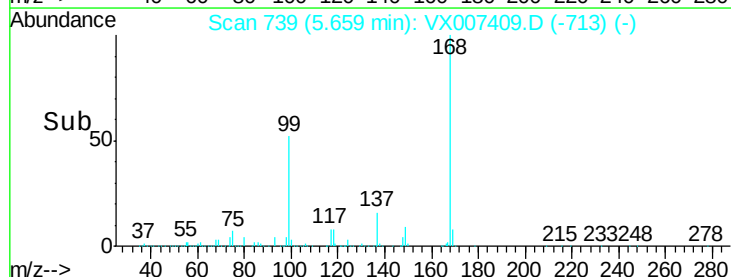
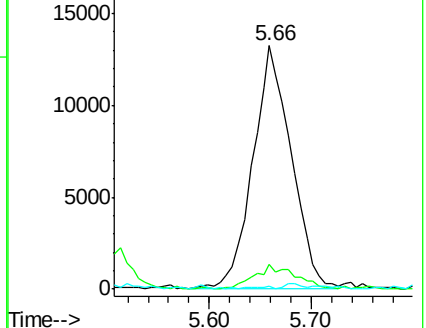
77 0.9 24.7 37.1#

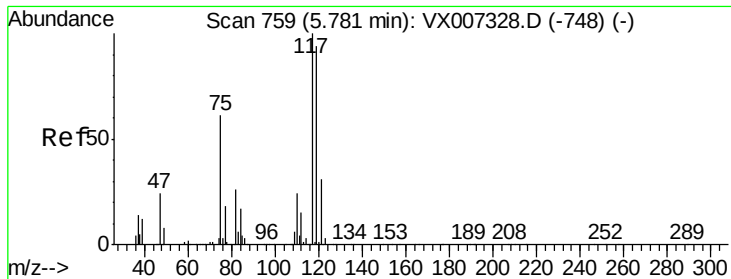


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.602 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007409.D

Acq: 06 Feb 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

MW-12

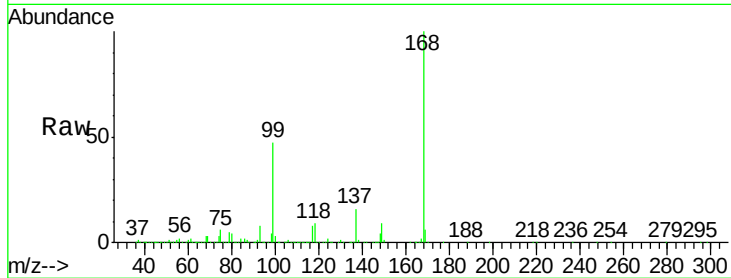
Tot Ion:117 Resp: 48163

Ion Ratio Lower Upper

117 100

119 5.1 75.3 112.9#

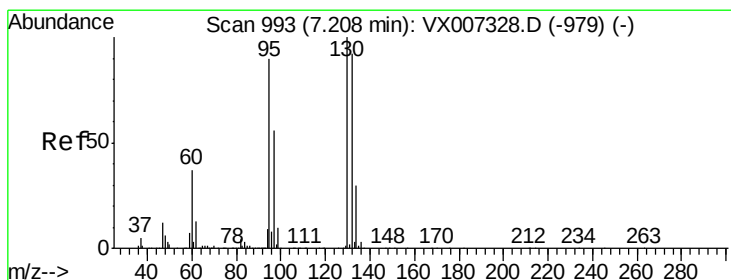
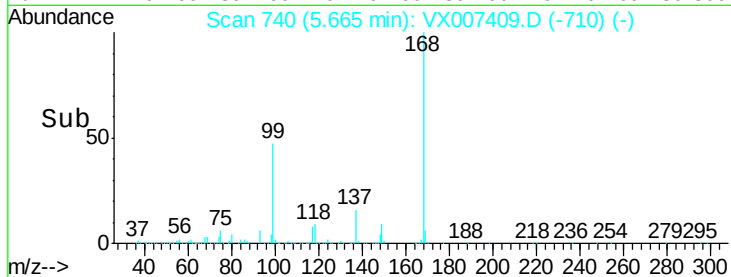
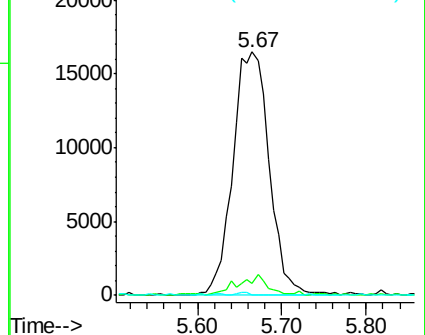
121 0.4 25.0 37.4#



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



#44

Trichloroethene

Concen: 0.220 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX007409.D

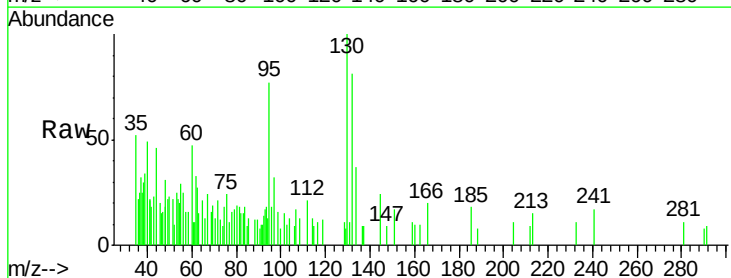
Acq: 06 Feb 2019 19:30

Tgt Ion:130 Resp: 1465

Ion Ratio Lower Upper

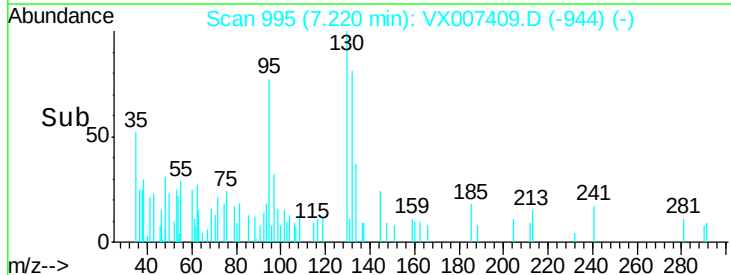
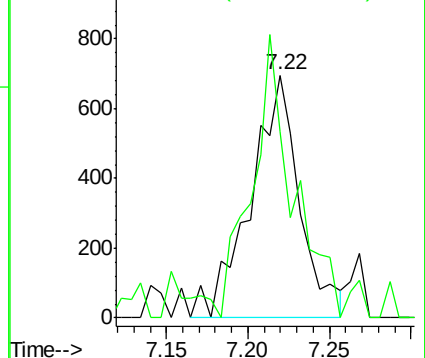
130 100

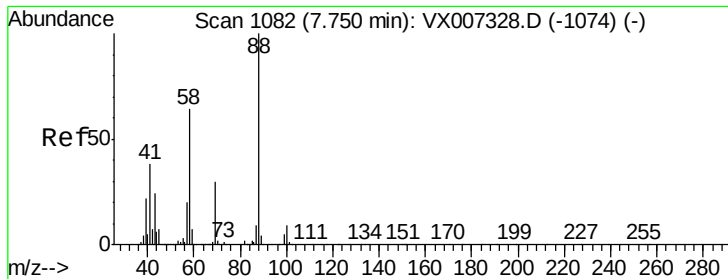
95 76.7 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 8.412 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007409.D

Acq: 06 Feb 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

MW-12

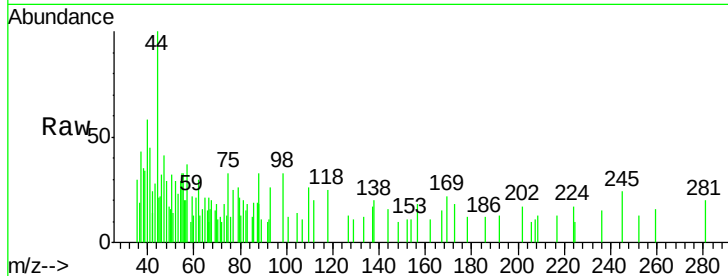
Tot Ion: 88 Resp: 206

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

58 0.0 53.0 79.4#

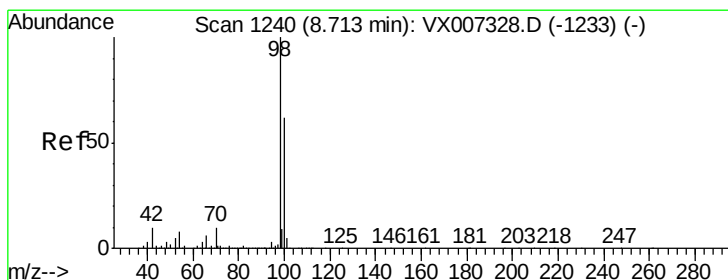
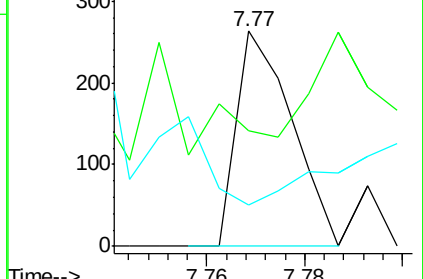
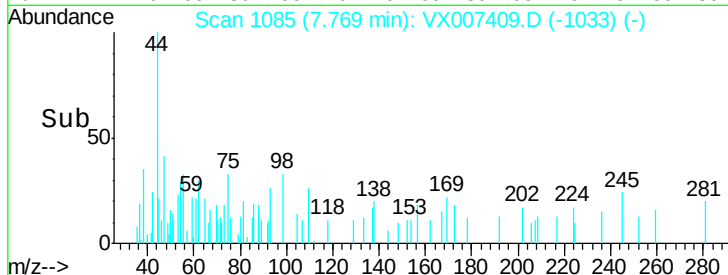


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->



#50

Toluene-d8

Concen: 49.464 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007409.D

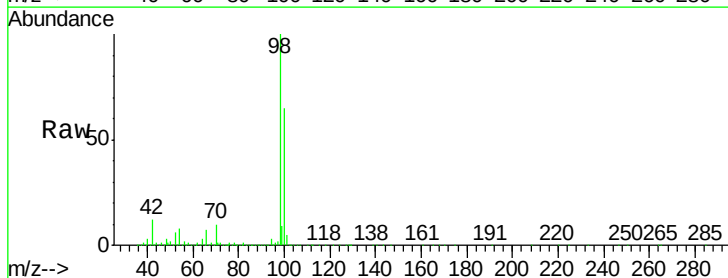
Acq: 06 Feb 2019 19:30

Tgt Ion: 98 Resp: 1000684

Ion Ratio Lower Upper

98 100

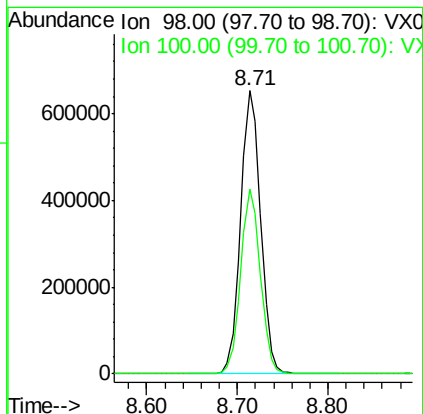
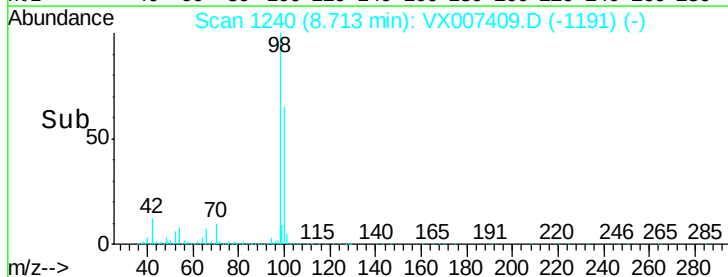
100 64.1 51.6 77.4

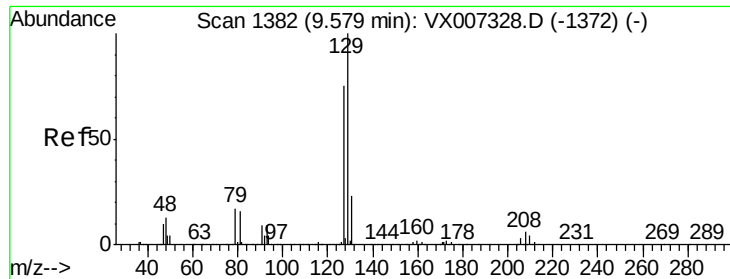


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Time-->





#60

Dibromochloromethane

Concen: 29.401 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX007409.D

Acq: 06 Feb 2019 19:30

Instrument :

MSVOA_X

ClientSampled :

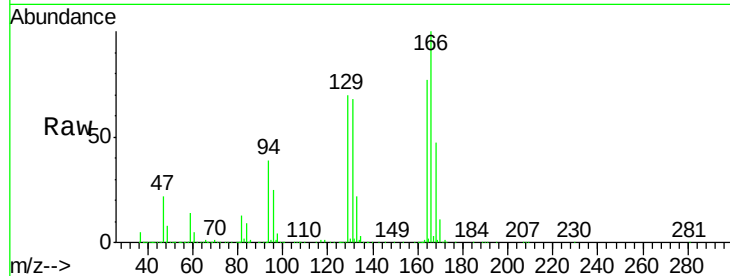
MW-12

Tot Ion:129 Resp: 165639

Ion Ratio Lower Upper

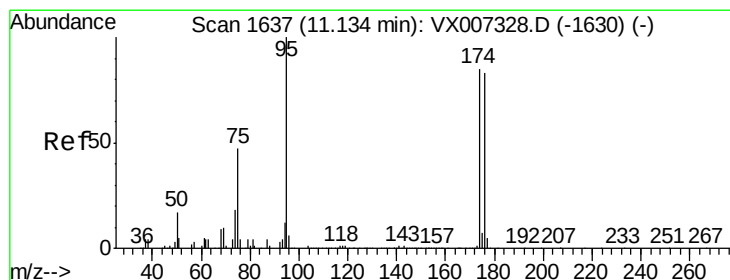
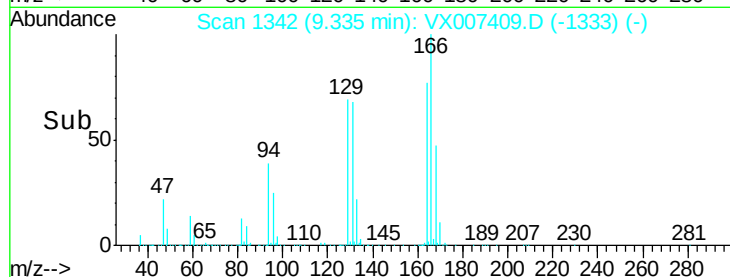
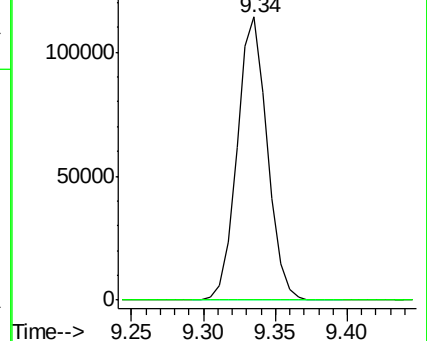
129 100

127 0.1 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: 48.079 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007409.D

Acq: 06 Feb 2019 19:30

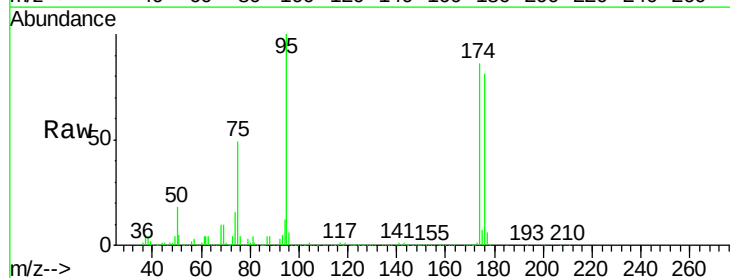
Tgt Ion: 95 Resp: 355125

Ion Ratio Lower Upper

95 100

174 93.0 0.0 189.2

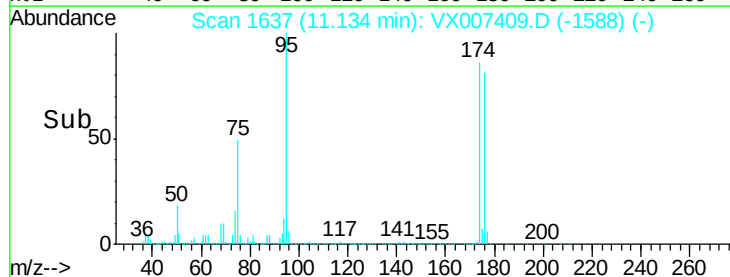
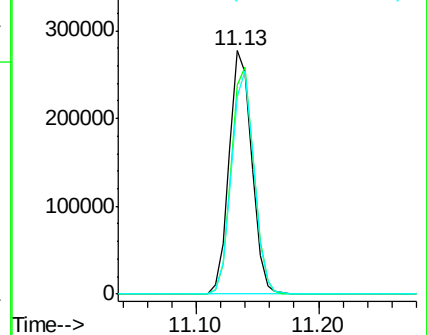
176 90.3 0.0 186.2

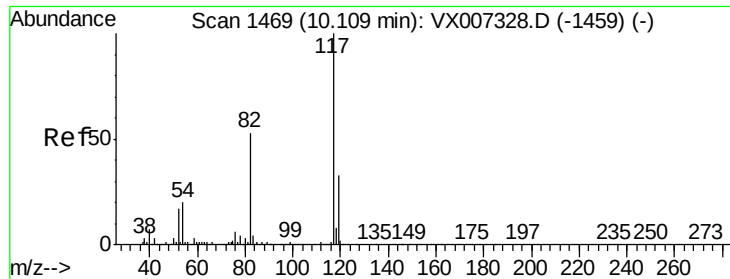


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

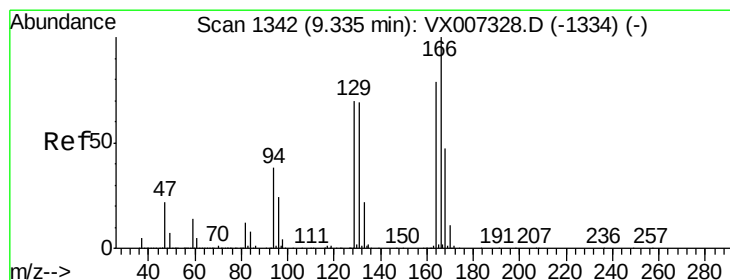
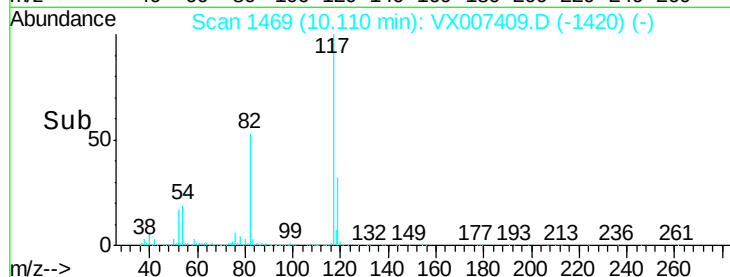
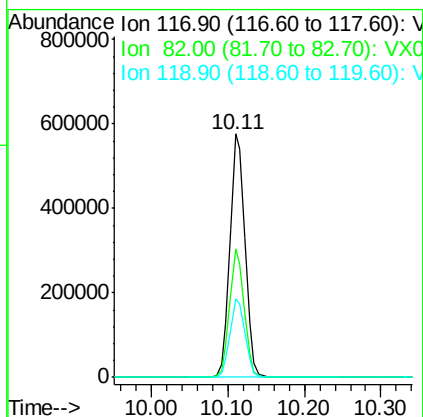
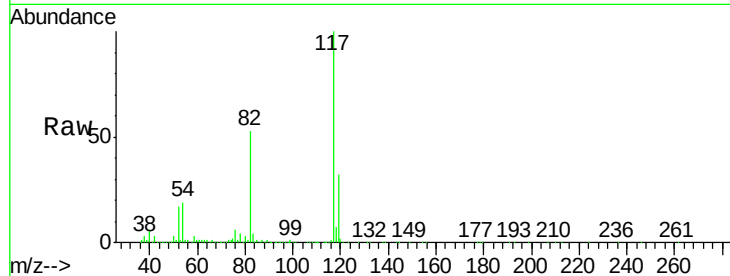




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007409.D
Acq: 06 Feb 2019 19:30

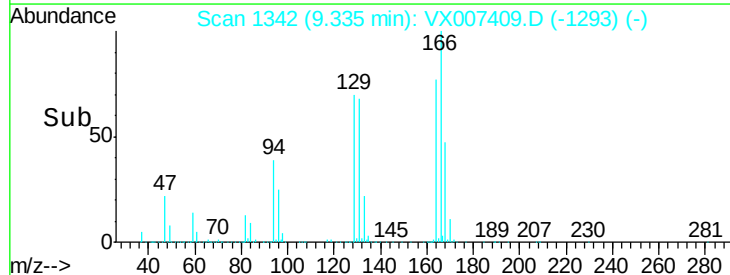
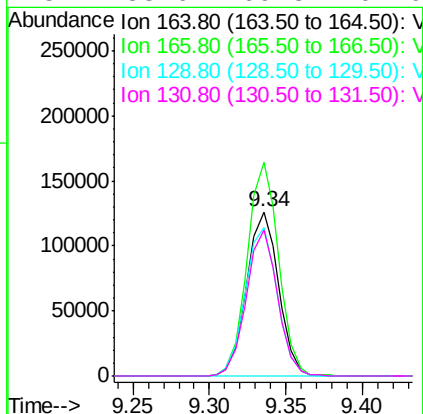
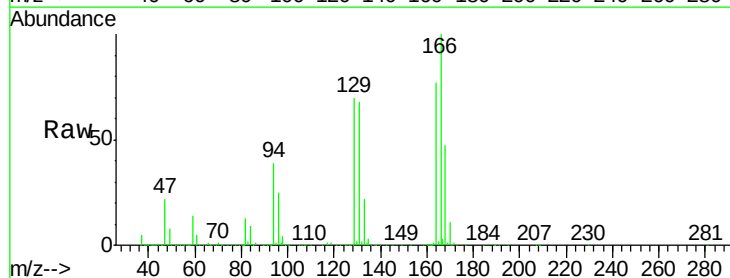
Instrument :
MSVOA_X
ClientSampleId :
MW-12

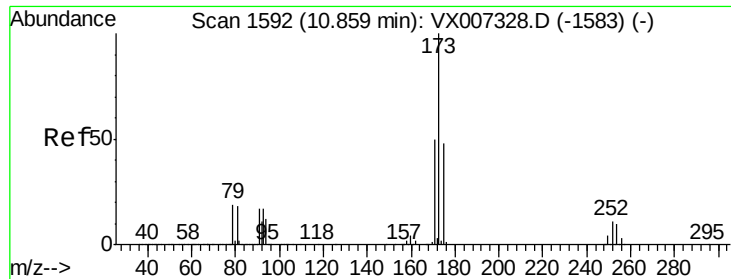
Tot Ion:117 Resp: 784371
Ion Ratio Lower Upper
117 100
82 52.5 42.1 63.1
119 32.1 26.5 39.7



#64
Tetrachloroethene
Concen: 24.847 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007409.D
Acq: 06 Feb 2019 19:30

Tgt Ion:164 Resp: 183691
Ion Ratio Lower Upper
164 100
166 130.0 101.0 151.4
129 90.4 70.5 105.7
131 88.6 69.8 104.6

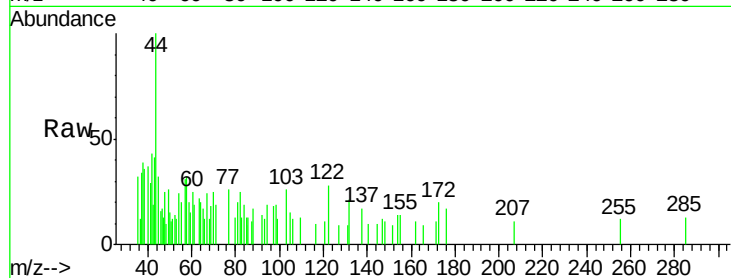




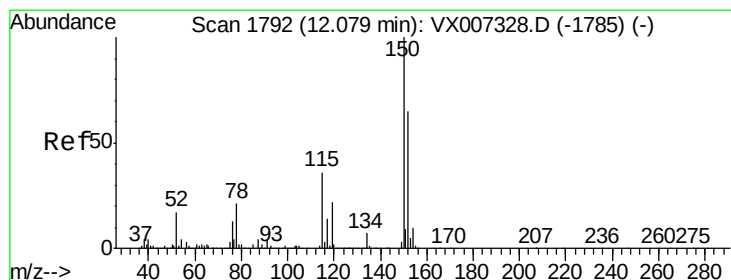
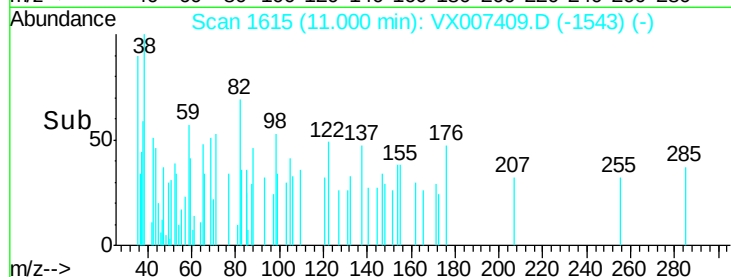
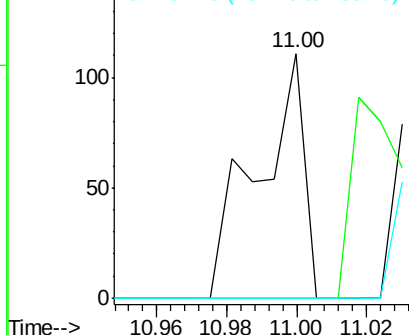
#71
Bromoform
Concen: 4.048 ug/l
RT: 11.00 min Scan# 1615
Delta R.T. 0.14 min
Lab File: VX007409.D
Acq: 06 Feb 2019 19:30

Instrument :
MSVOA_X
ClientSampled :
MW-12

Tot Ion:173 Resp: 103
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.2 0.2#

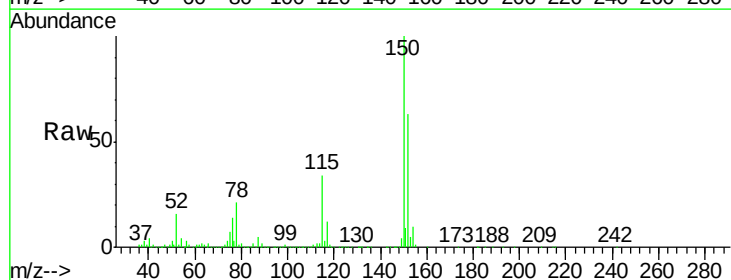


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

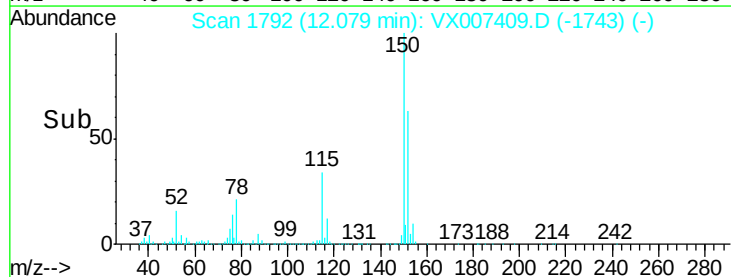
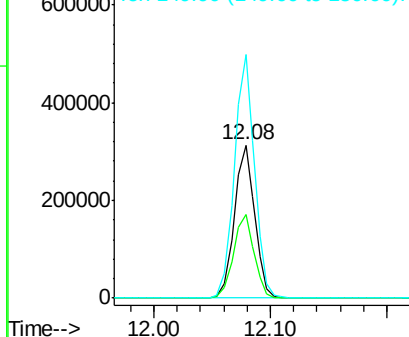


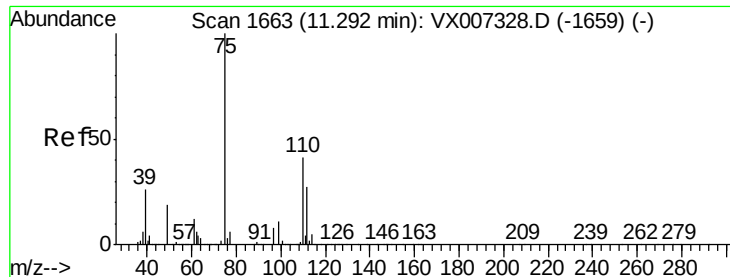
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007409.D
Acq: 06 Feb 2019 19:30

Tgt Ion:152 Resp: 381315
Ion Ratio Lower Upper
152 100
115 55.0 38.0 114.0
150 156.5 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: 22.707 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007409.D

Acq: 06 Feb 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

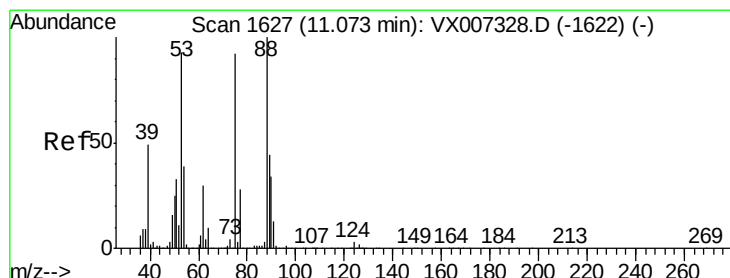
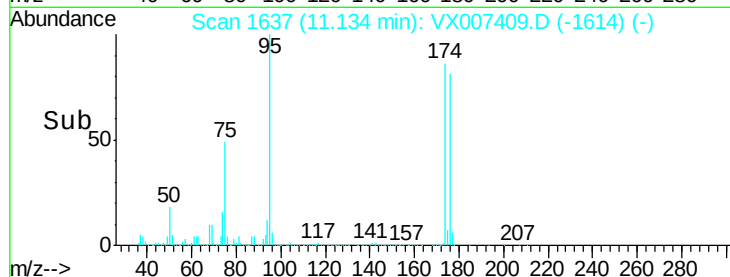
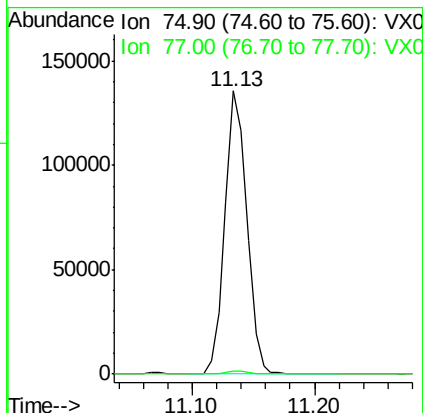
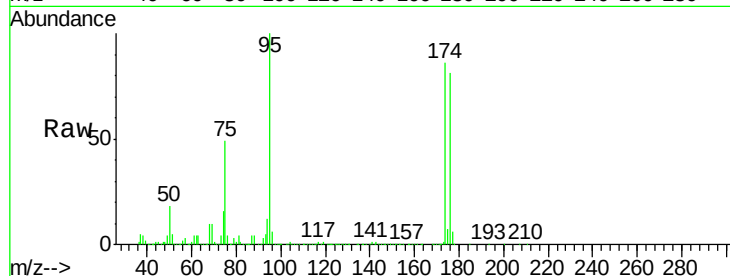
MW-12

Tot Ion: 75 Resp: 168419

Ion Ratio Lower Upper

75 100

77 1.5 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.478 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007409.D

Acq: 06 Feb 2019 19:30

Tgt Ion: 75 Resp: 168419

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.0 41.4 62.0#

