

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072619\
 Data File : VX011090.D
 Acq On : 26 Jul 2019 15:02
 Operator : JC/SP
 Sample : K4014-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Quant Time: Jul 27 02:02:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	202234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	321599	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	296685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138936	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	110014	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
35) Dibromofluoromethane	5.50	113	100520	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
50) Toluene-d8	8.71	98	384567	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	11.13	95	135841	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	

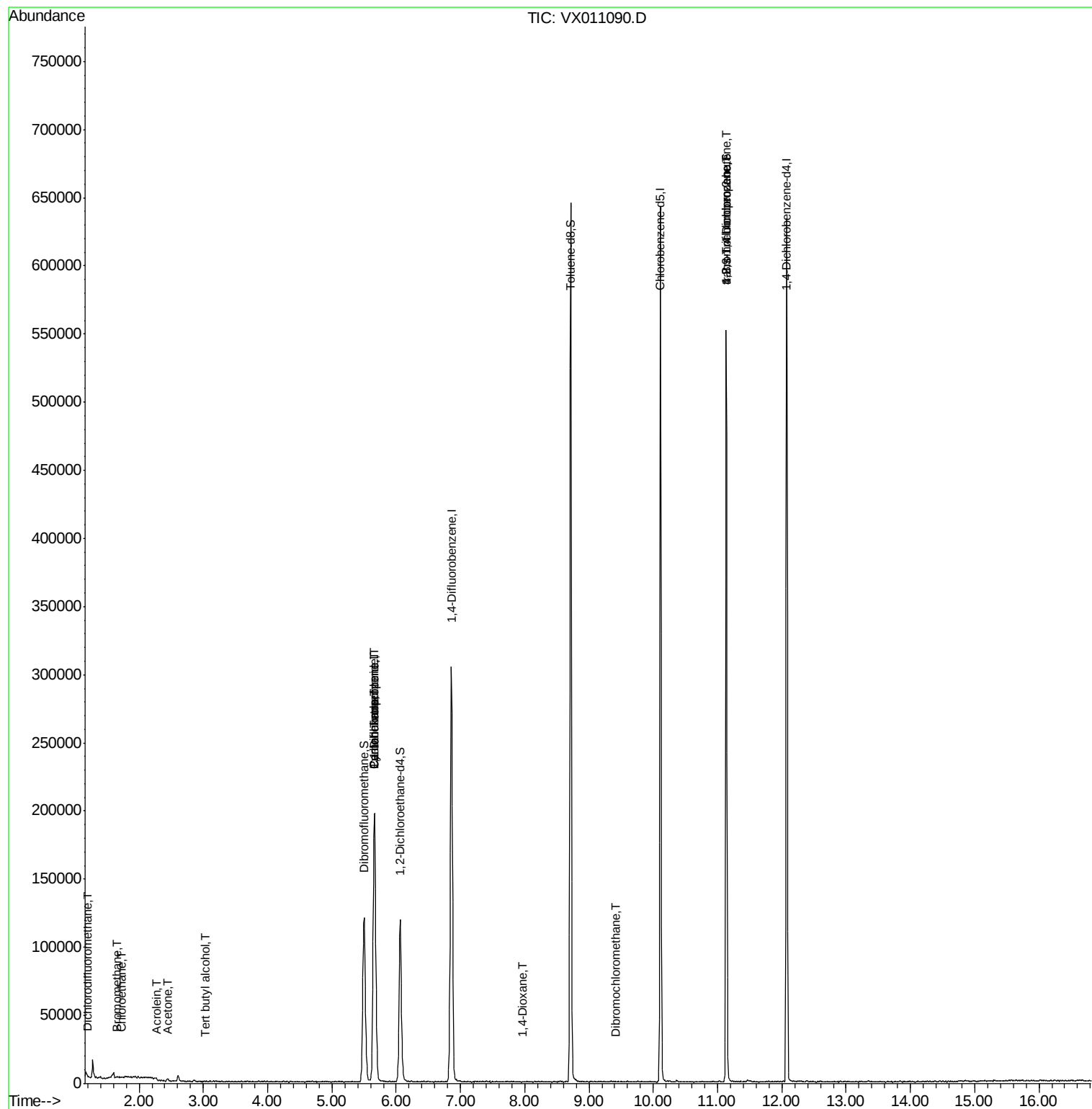
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	56	0.572	ug/l #	43
5) Bromomethane	1.65	94	608	0.569	ug/l	82
6) Chloroethane	1.72	64	275	0.228	ug/l #	1
11) Tert butyl alcohol	3.04	59	324	0.647	ug/l #	82
13) Acrolein	2.28	56	69	0.238	ug/l #	57
16) Acetone	2.45	43	2036	2.095	ug/l #	86
31) Cyclohexane	5.67	56	3976	1.361	ug/l #	27
36) 1,1-Dichloropropene	5.65	75	13491	5.107	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19025	6.911	ug/l #	18
49) 1,4-Dioxane	7.96	88	19	0.313	ug/l #	2
60) Dibromochloromethane	9.41	129	20	2.535	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	67766	27.029	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	67766	67.008	ug/l #	11

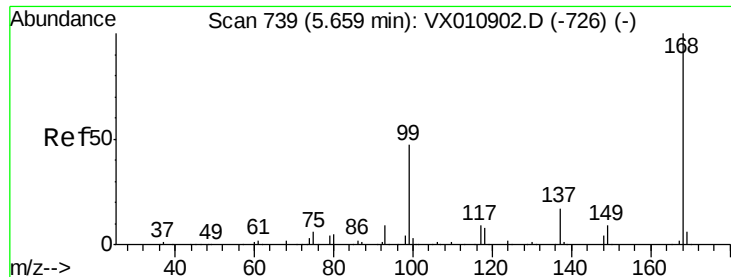
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072619\
Data File : VX011090.D
Acq On : 26 Jul 2019 15:02
Operator : JC/SP
Sample : K4014-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Quant Time: Jul 27 02:02:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 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: VX011090.D

Acq: 26 Jul 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

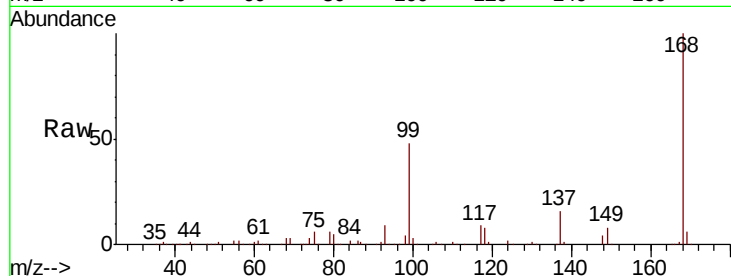
MW-5

Tot Ion:168 Resp: 202234

Ion Ratio Lower Upper

168 100

99 48.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

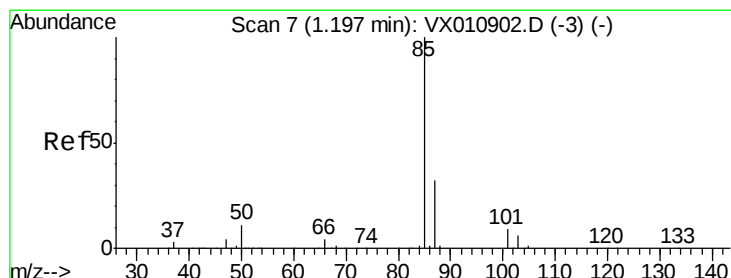
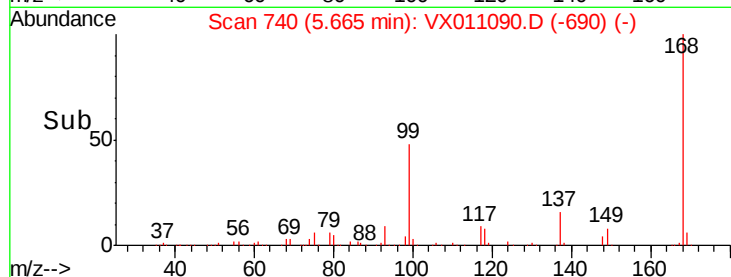
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.572 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX011090.D

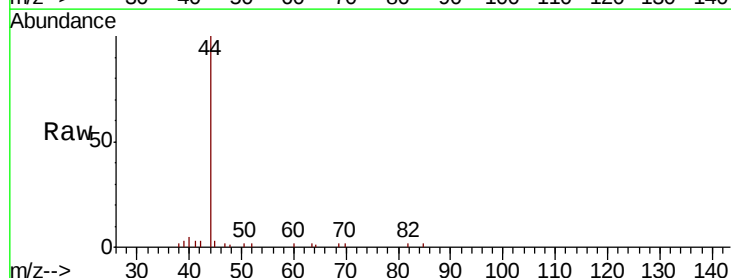
Acq: 26 Jul 2019 15:02

Tgt Ion: 85 Resp: 56

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80

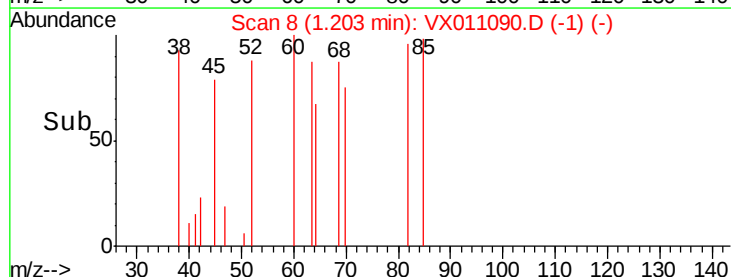
60

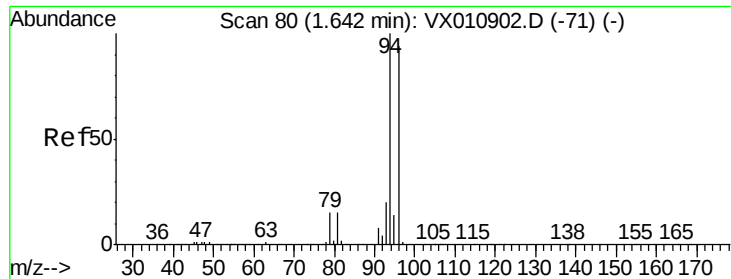
40

20

0

Time--> 1.18 1.20 1.22





#5

Bromomethane

Concen: 0.569 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX011090.D

Acq: 26 Jul 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

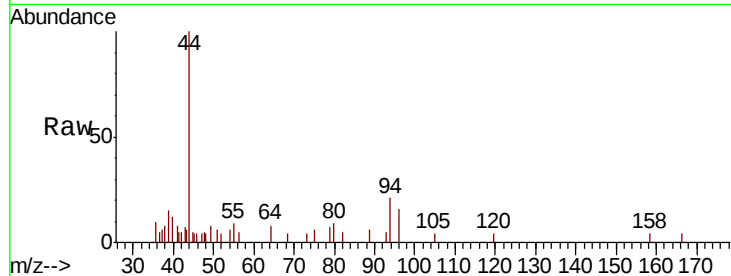
MW-5

Tot Ion: 94 Resp: 608

Ion Ratio Lower Upper

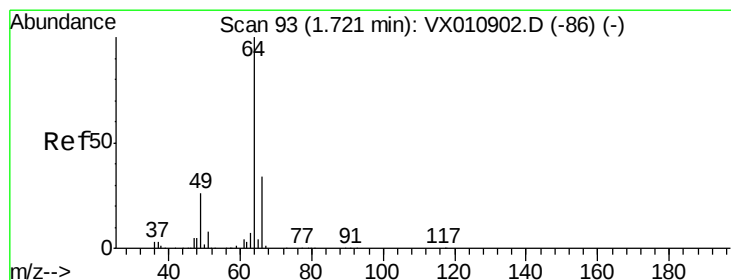
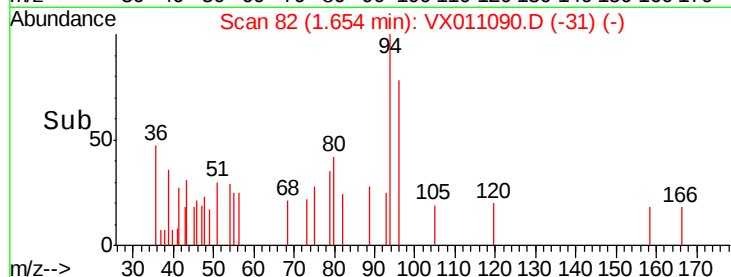
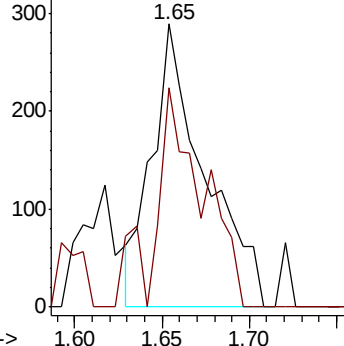
94 100

96 77.5 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.228 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX011090.D

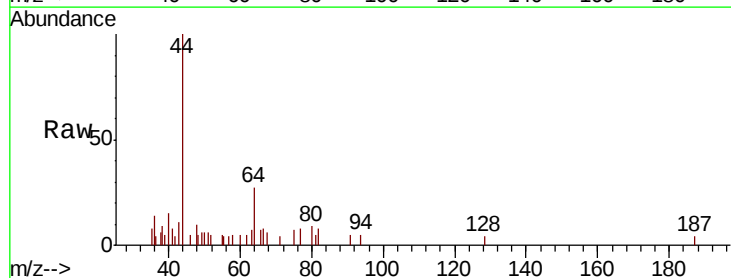
Acq: 26 Jul 2019 15:02

Tgt Ion: 64 Resp: 275

Ion Ratio Lower Upper

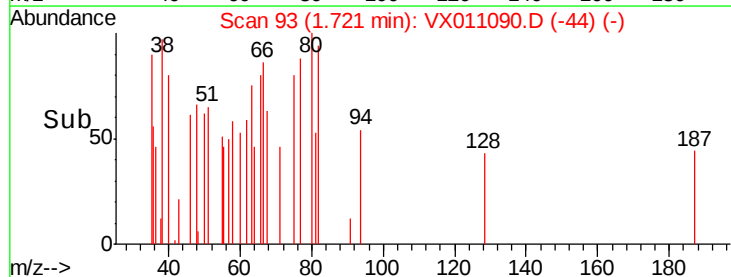
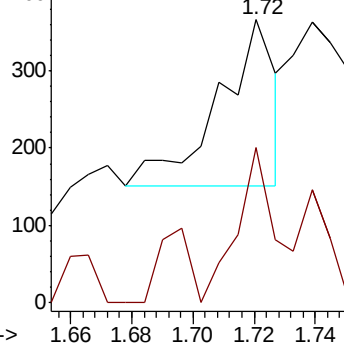
64 100

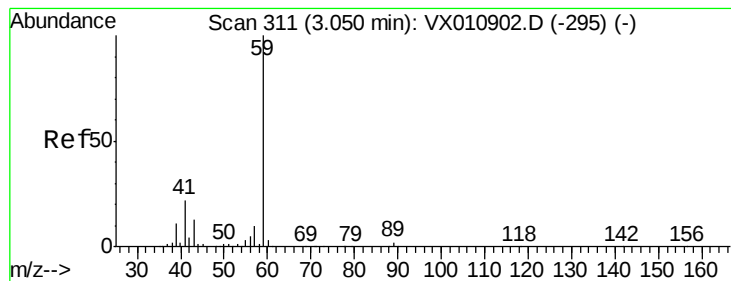
66 93.9 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



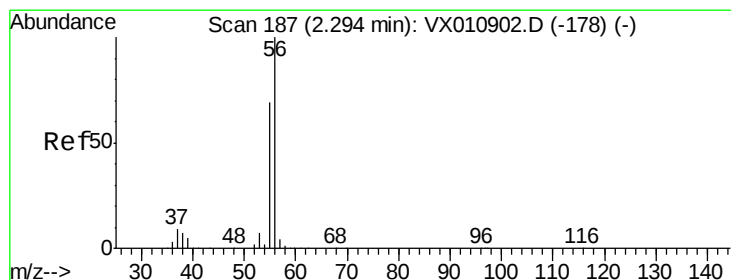
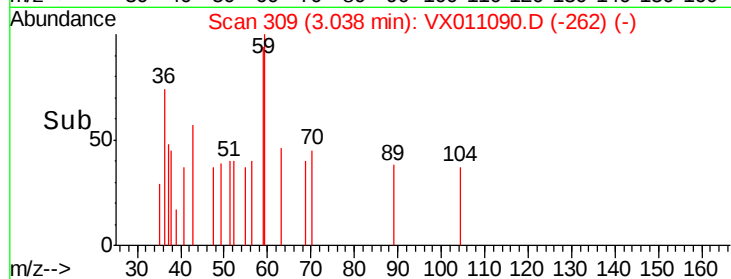
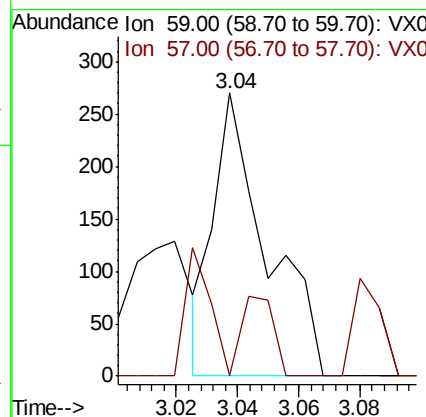
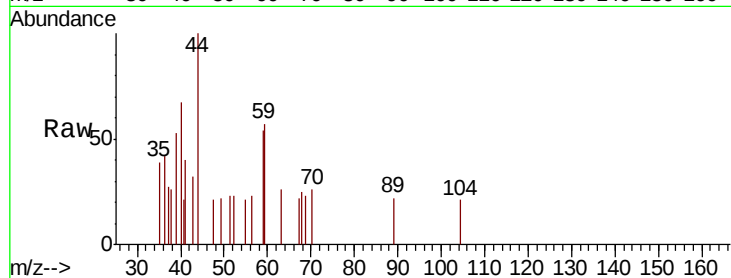


#11

Tert butyl alcohol
 Concen: 0.647 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX011090.D
 Acq: 26 Jul 2019 15:02

Instrument :
 MSVOA_X
 ClientSampled :
 MW-5

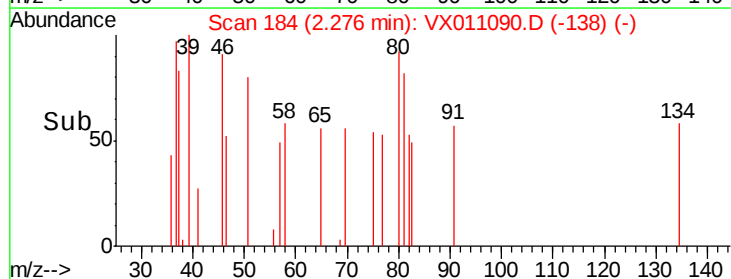
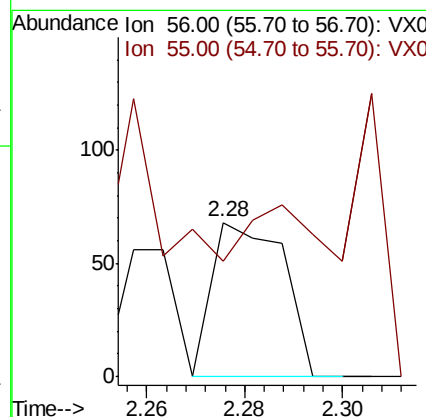
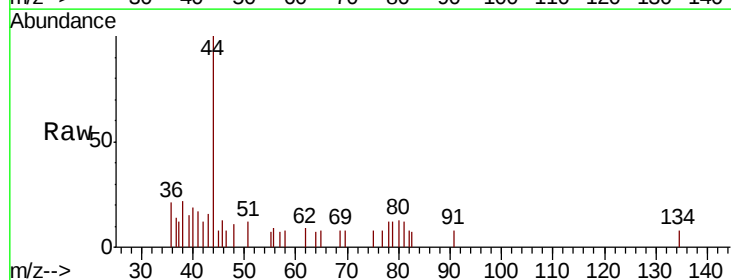
Tot Ion: 59 Resp: 324
 Ion Ratio Lower Upper
 59 100
 57 16.7 7.9 11.9#

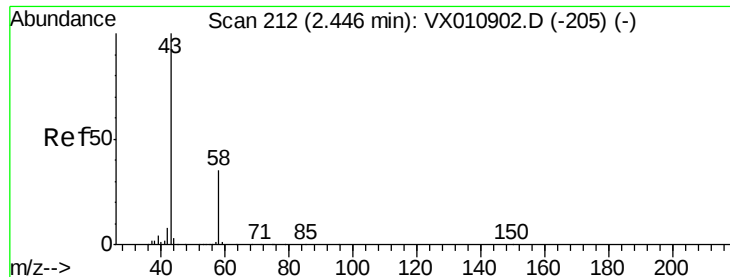


#13

Acrolein
 Concen: 0.238 ug/l
 RT: 2.28 min Scan# 184
 Delta R.T. -0.02 min
 Lab File: VX011090.D
 Acq: 26 Jul 2019 15:02

Tgt Ion: 56 Resp: 69
 Ion Ratio Lower Upper
 56 100
 55 34.8 55.9 83.9#





#16

Acetone

Concen: 2.095 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011090.D

Acq: 26 Jul 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

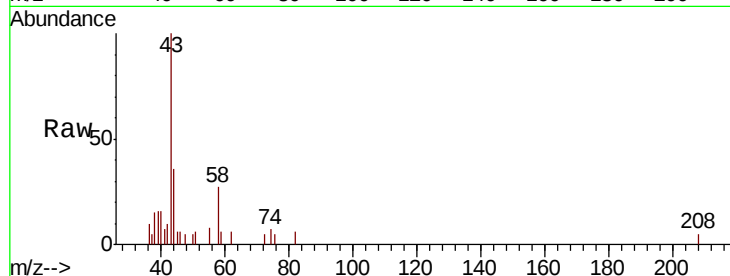
MW-5

Tot Ion: 43 Resp: 2036

Ion Ratio Lower Upper

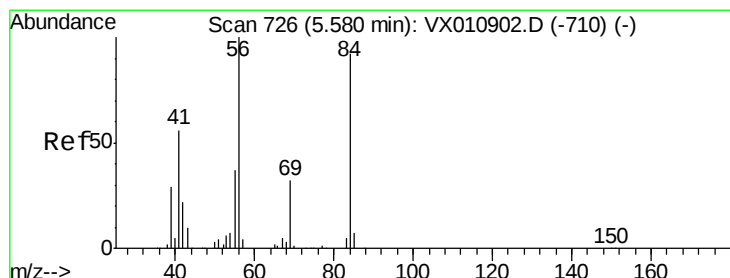
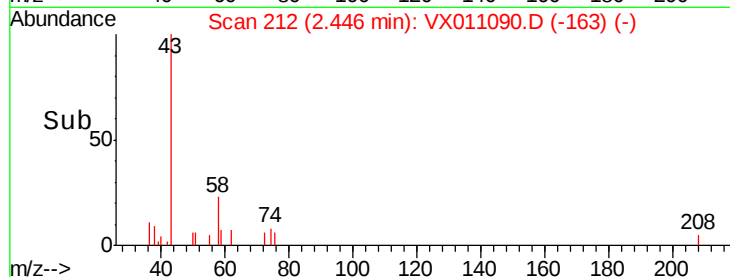
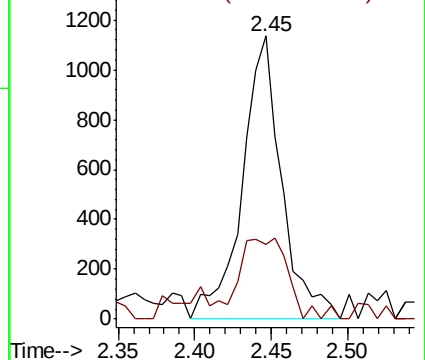
43 100

58 26.6 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#31

Cyclohexane

Concen: 1.361 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX011090.D

Acq: 26 Jul 2019 15:02

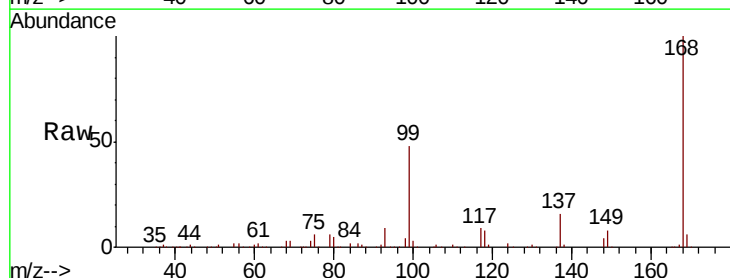
Tgt Ion: 56 Resp: 3976

Ion Ratio Lower Upper

56 100

69 147.6 25.8 38.8#

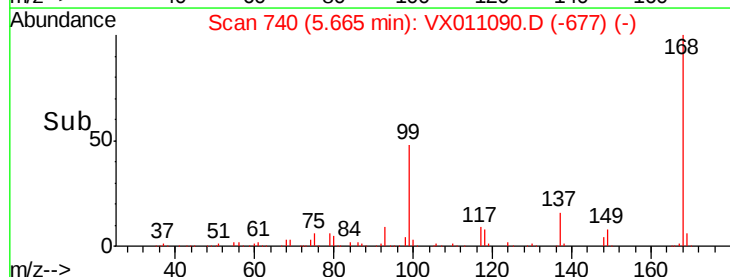
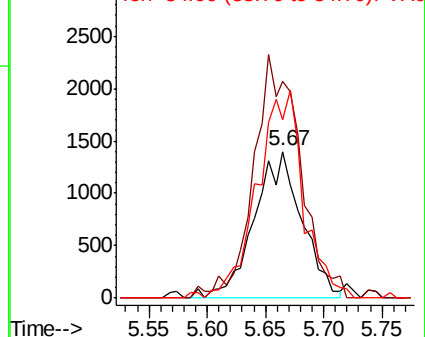
84 117.8 73.8 110.6#

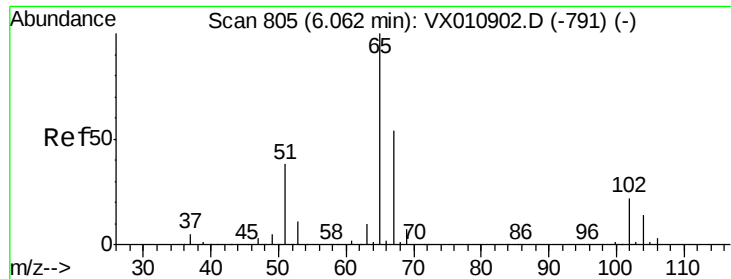


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.135 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011090.D

Acq: 26 Jul 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

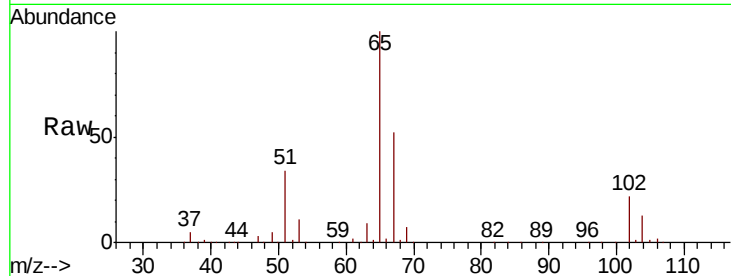
MW-5

Tot Ion: 65 Resp: 110014

Ion Ratio Lower Upper

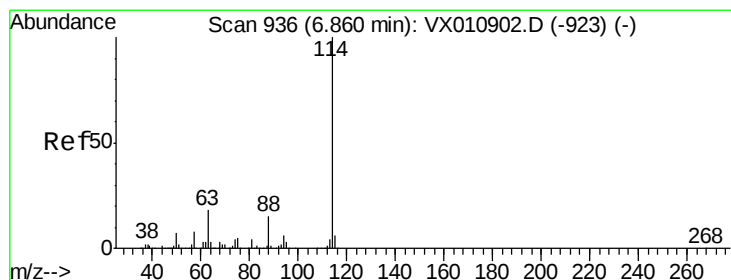
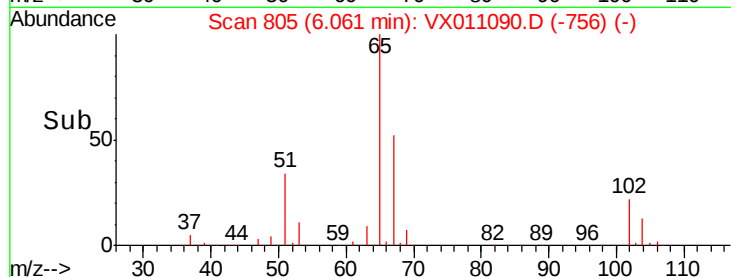
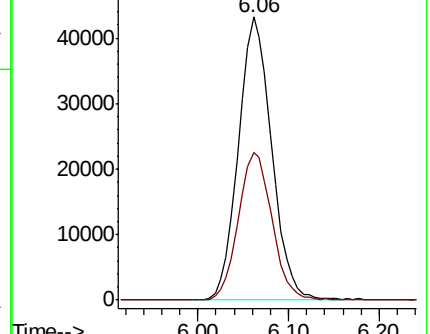
65 100

67 53.0 0.0 107.8



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: VX011090.D

Acq: 26 Jul 2019 15:02

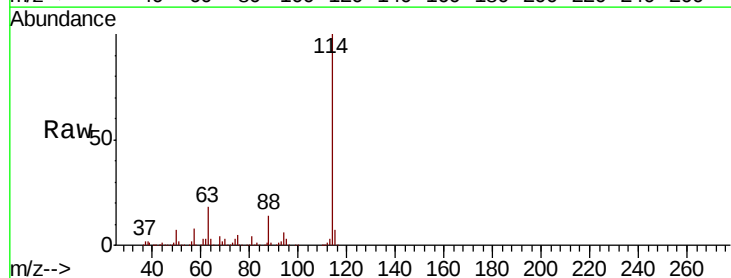
Tgt Ion: 114 Resp: 321599

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

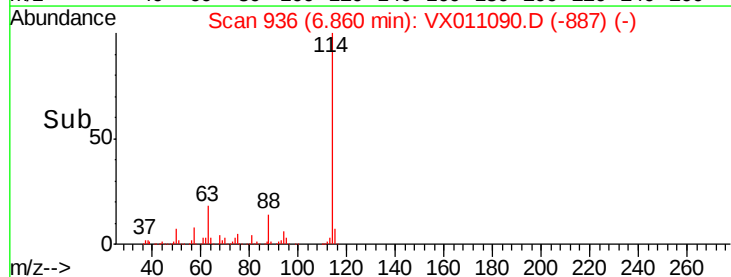
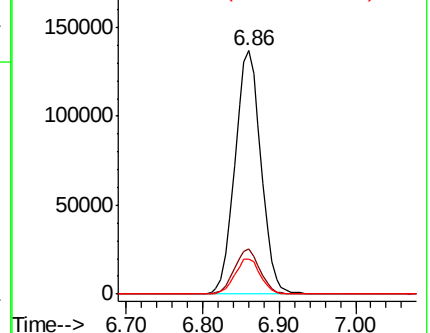
88 14.4 0.0 29.8

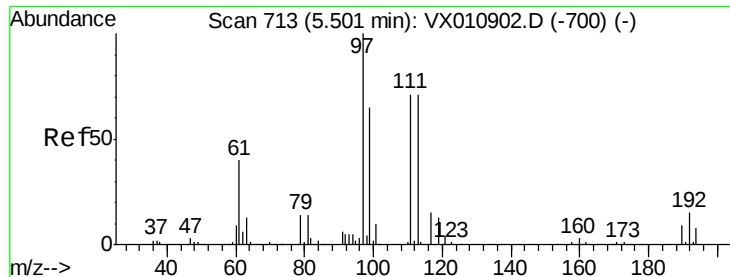


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

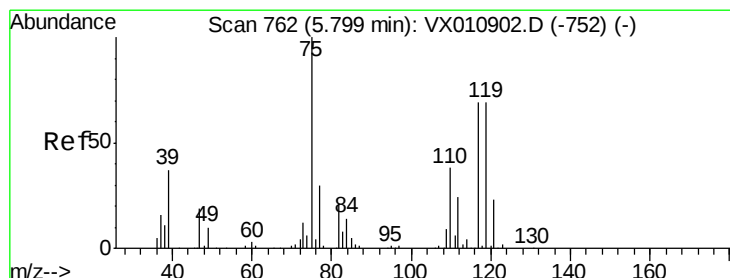
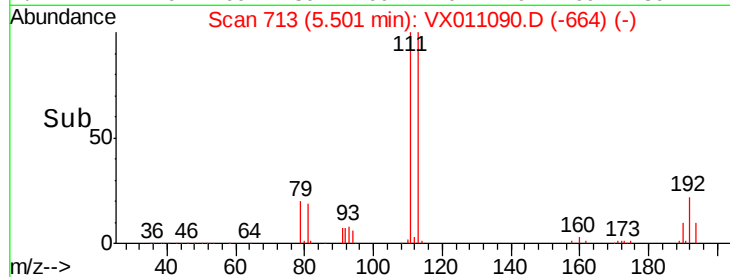
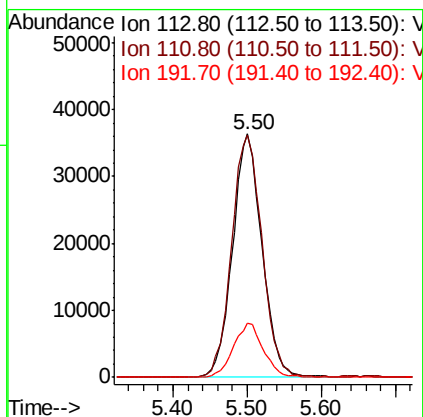
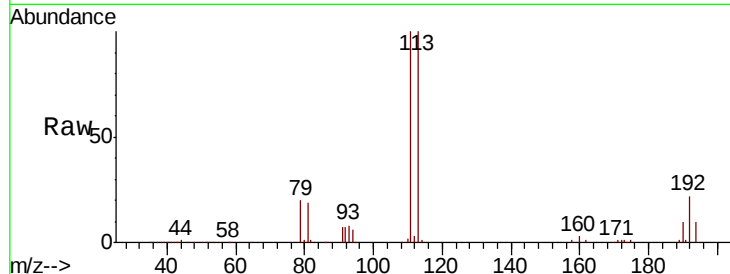




#35
 Dibromofluoromethane
 Concen: 49.244 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX011090.D
 Acq: 26 Jul 2019 15:02

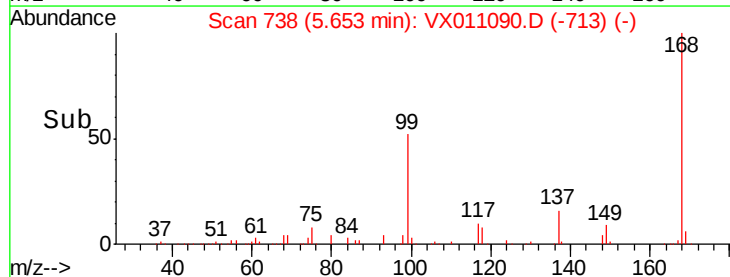
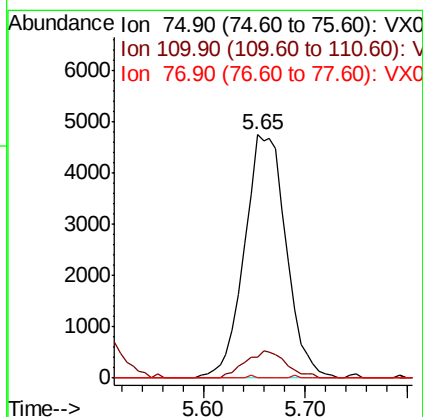
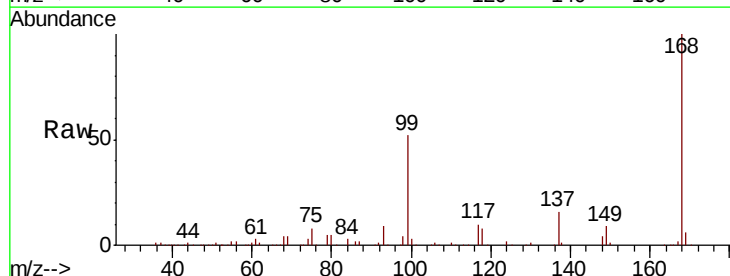
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

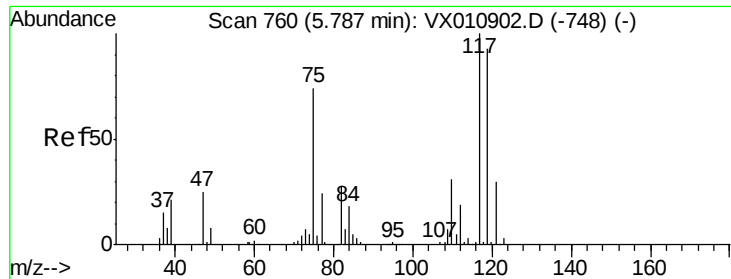
Tot Ion:113 Resp: 100520
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.3 123.5
 192 22.5 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 5.107 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX011090.D
 Acq: 26 Jul 2019 15:02

Tgt Ion: 75 Resp: 13491
 Ion Ratio Lower Upper
 75 100
 110 10.9 19.9 59.7#
 77 0.1 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.911 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011090.D

Acq: 26 Jul 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

MW-5

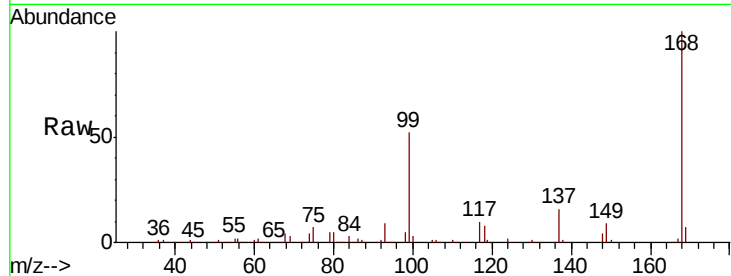
Tot Ion:117 Resp: 19025

Ion Ratio Lower Upper

117 100

119 6.1 74.2 111.2#

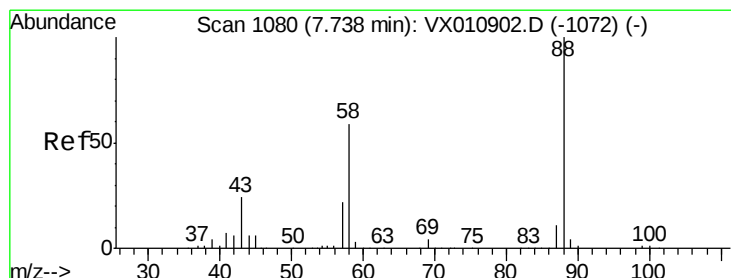
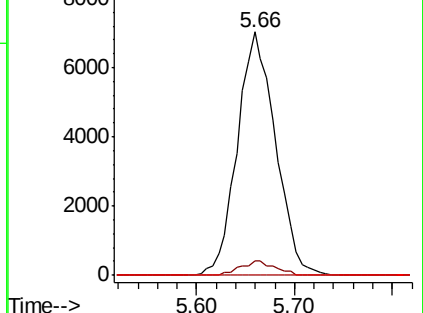
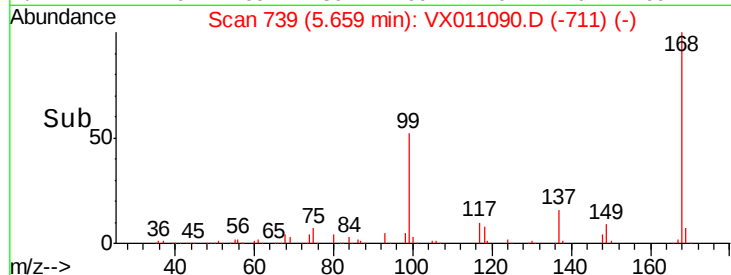
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.313 ug/l

RT: 7.96 min Scan# 1117

Delta R.T. 0.23 min

Lab File: VX011090.D

Acq: 26 Jul 2019 15:02

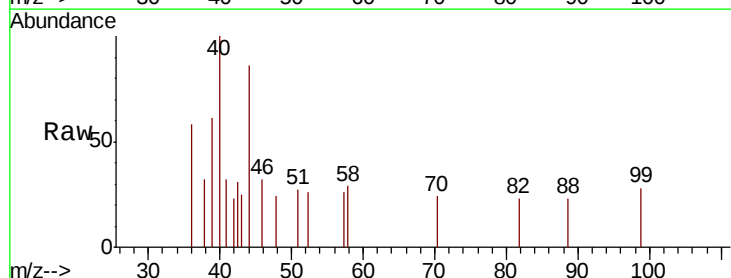
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 105.3 22.9 34.3#

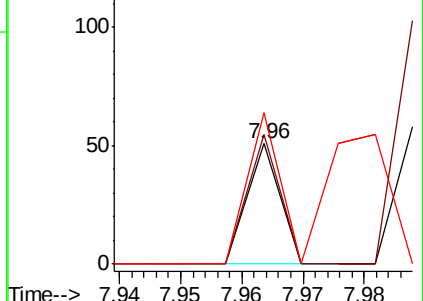
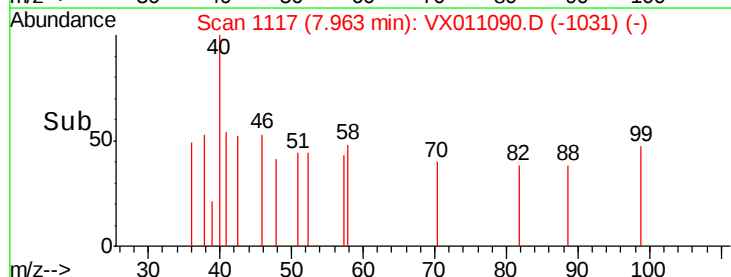
58 121.1 49.8 74.8#

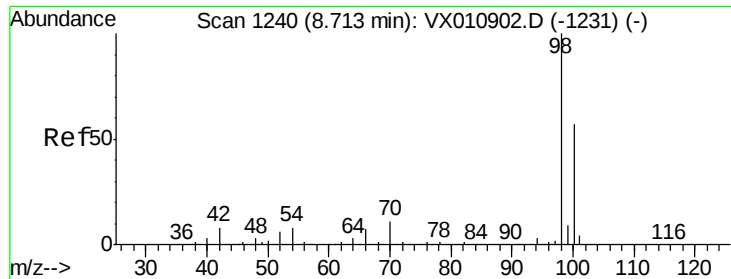


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

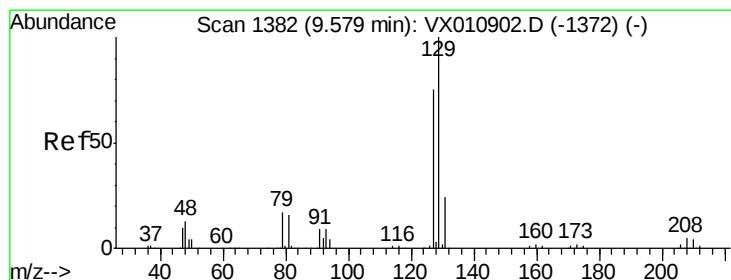
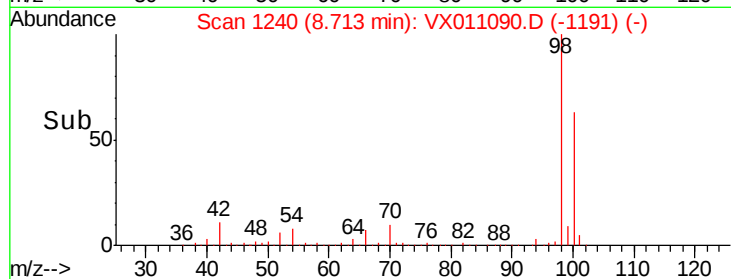
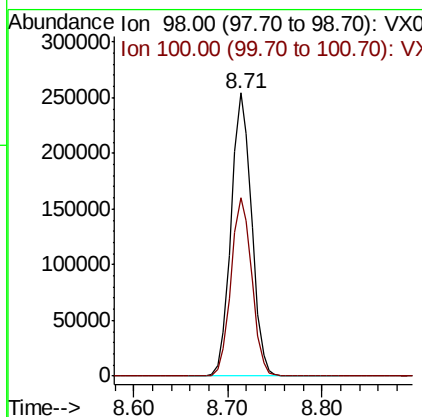
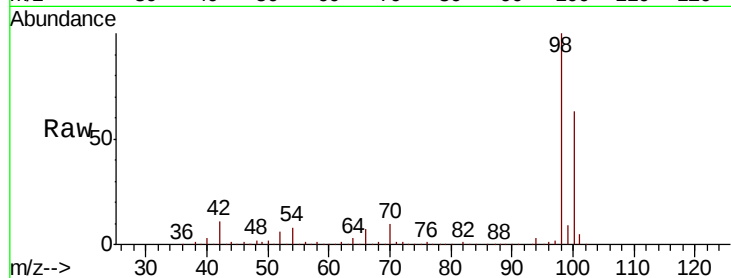




#50
Toluene-d8
Concen: 50.231 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011090.D
Acq: 26 Jul 2019 15:02

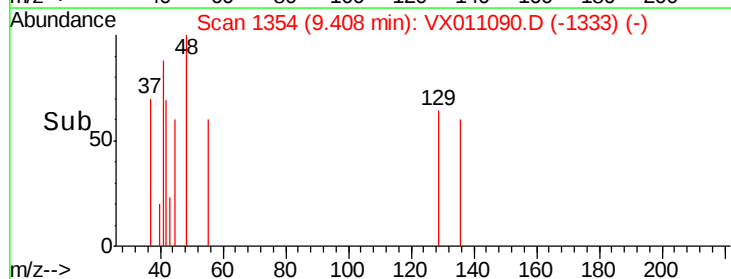
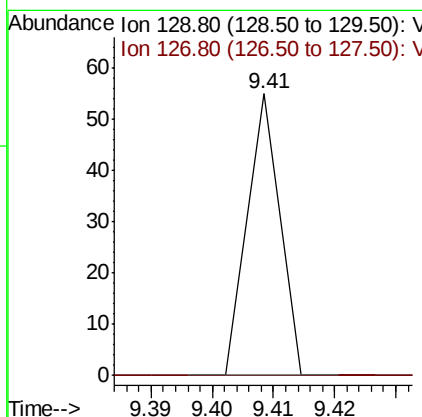
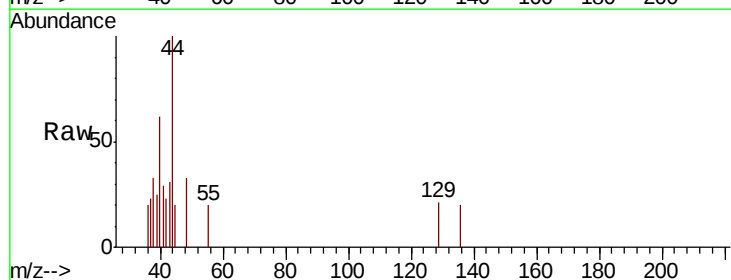
Instrument :
MSVOA_X
ClientSampled :
MW-5

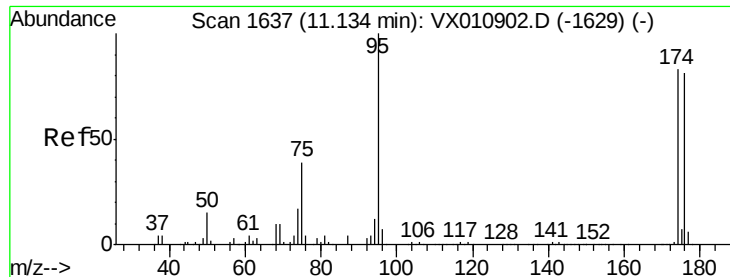
Tot Ion: 98 Resp: 384567
Ion Ratio Lower Upper
98 100
100 64.0 50.6 75.8



#60
Dibromochloromethane
Concen: 2.535 ug/l
RT: 9.41 min Scan# 1354
Delta R.T. -0.17 min
Lab File: VX011090.D
Acq: 26 Jul 2019 15:02

Tgt Ion: 129 Resp: 20
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 48.271 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011090.D

Acq: 26 Jul 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

MW-5

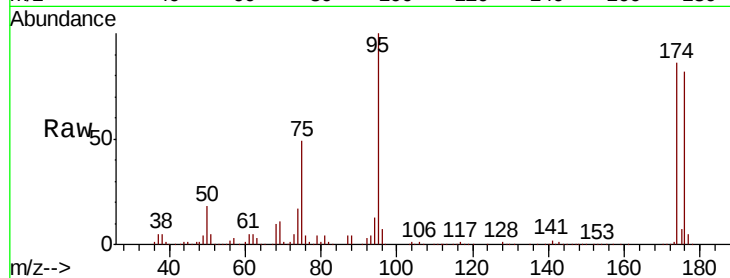
Tot Ion: 95 Resp: 135841

Ion Ratio Lower Upper

95 100

174 91.9 0.0 180.6

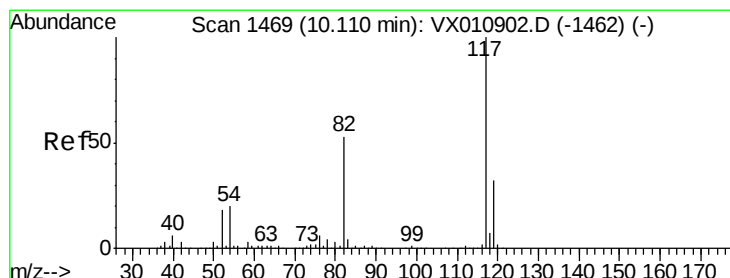
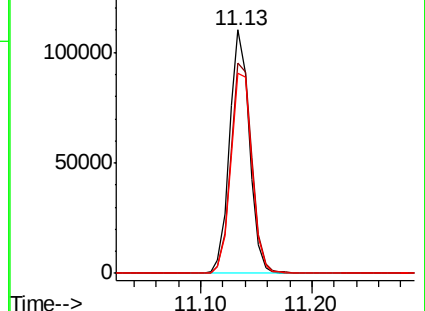
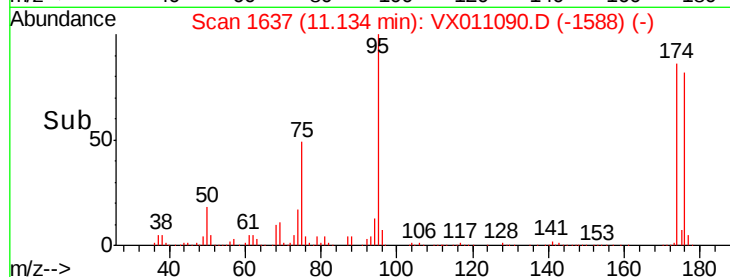
176 87.9 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX011090.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011090.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011090.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011090.D

Acq: 26 Jul 2019 15:02

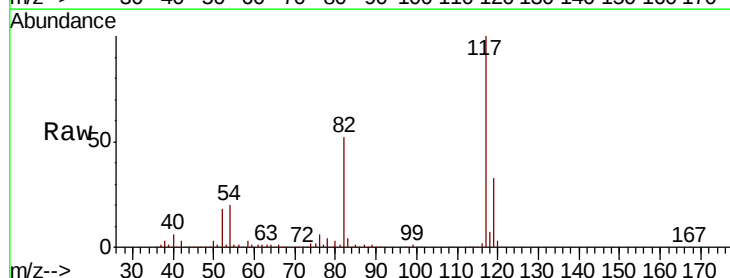
Tgt Ion: 117 Resp: 296685

Ion Ratio Lower Upper

117 100

82 52.2 42.6 63.8

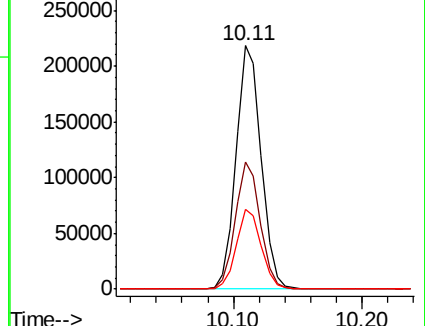
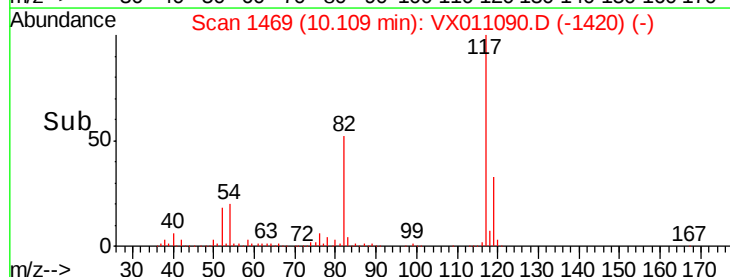
119 32.7 25.9 38.9

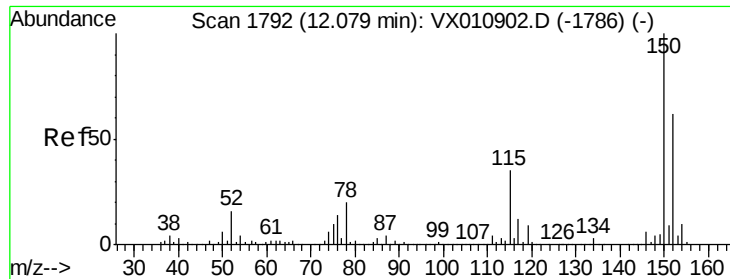


Abundance Ion 116.90 (116.60 to 117.60): VX011090.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011090.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011090.D (-1420) (-)



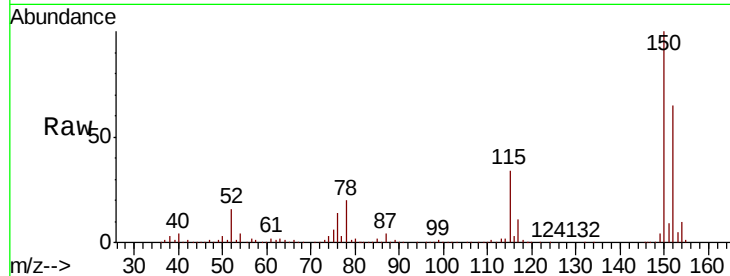


#72

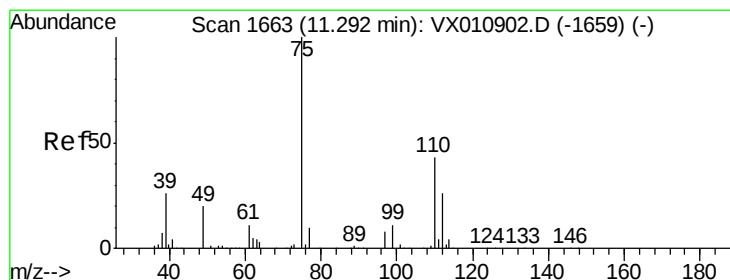
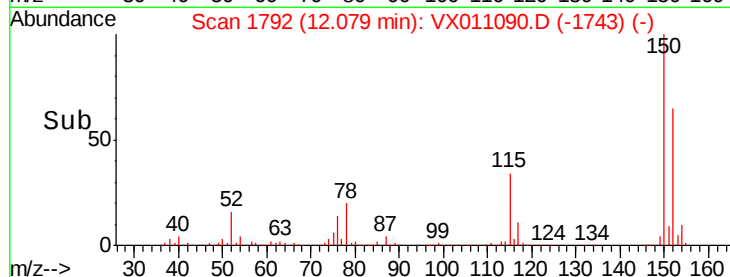
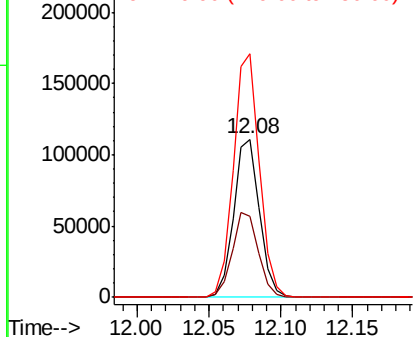
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011090.D
Acq: 26 Jul 2019 15:02

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tot Ion:152 Resp: 138936
Ion Ratio Lower Upper
152 100
115 54.9 39.7 119.1
150 155.2 0.0 345.6



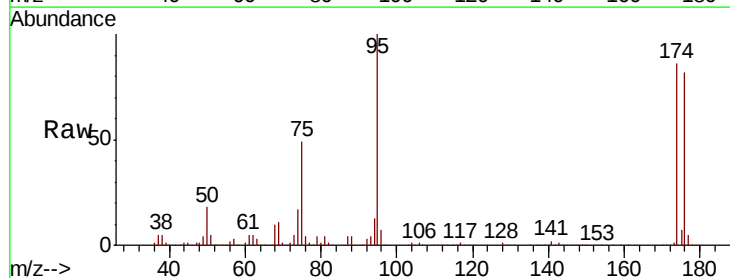
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



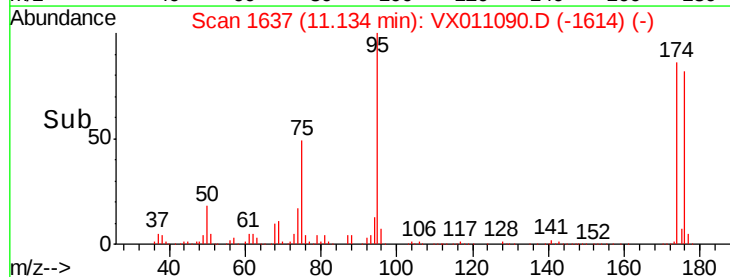
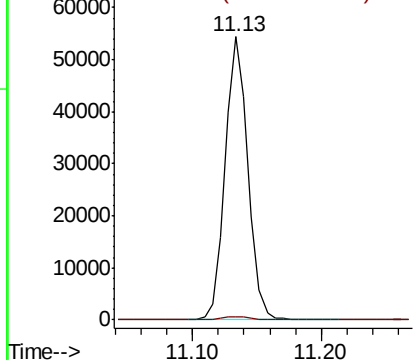
#76

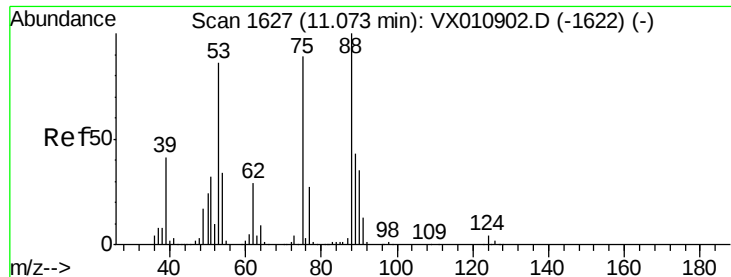
1,2,3-Trichloropropane
Concen: 27.029 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011090.D
Acq: 26 Jul 2019 15:02

Tgt Ion: 75 Resp: 67766
Ion Ratio Lower Upper
75 100
77 1.3 21.3 64.0#



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: 67.008 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011090.D

Acq: 26 Jul 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

MW-5

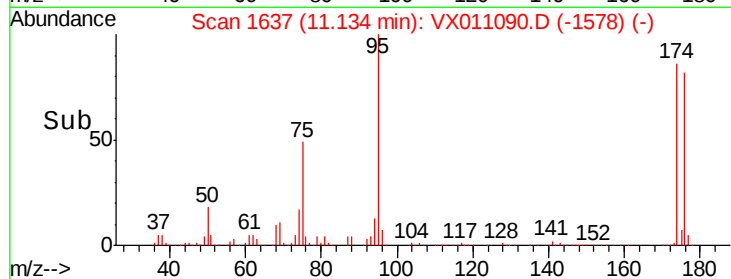
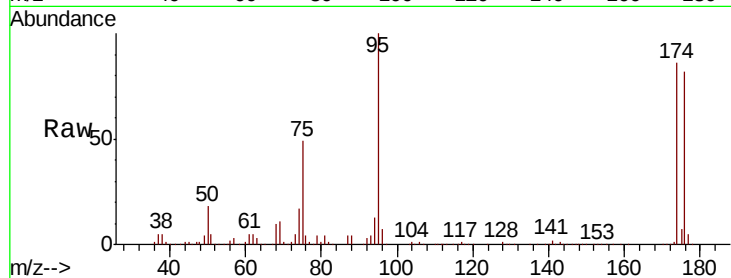
Tot Ion: 75 Resp: 67766

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.0 38.5 57.7#



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

