

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010419\
 Data File : VX006911.D
 Acq On : 04 Jan 2019 14:16
 Operator : JC/MD
 Sample : VX0104MBL01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0104MBL01

Quant Time: Jan 04 22:17:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	675552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1038271	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	939435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	461544	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	349020	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
35) Dibromofluoromethane	5.50	113	316018	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
50) Toluene-d8	8.71	98	1211165	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	11.13	95	427172	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	

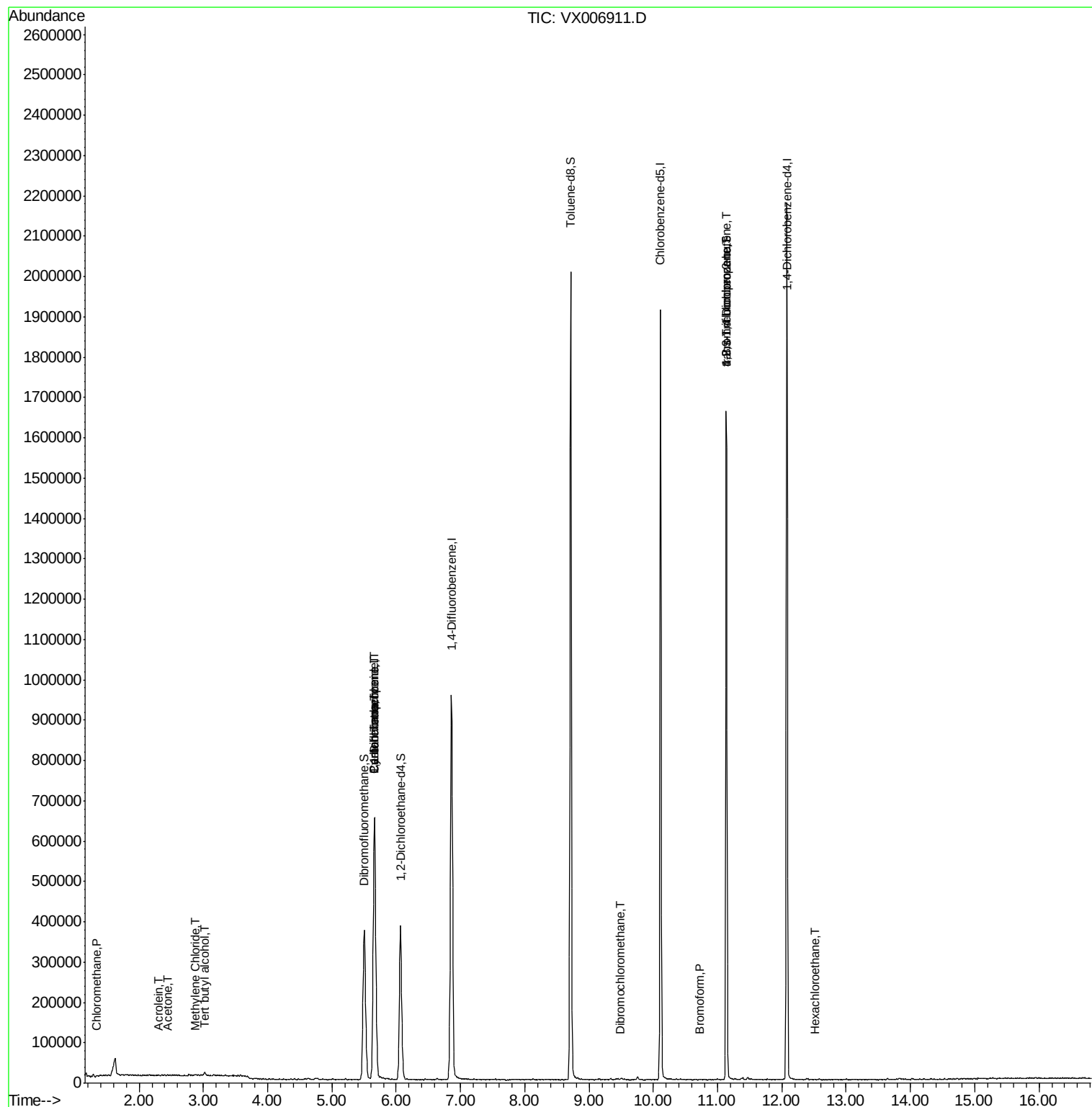
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1854	0.278	ug/l #	58
5) Bromomethane	1.64	94	2353	Below Cal		91
11) Tert butyl alcohol	3.03	59	3659	2.252	ug/l #	93
13) Acrolein	2.30	56	395	0.360	ug/l	91
16) Acetone	2.44	43	1342	0.401	ug/l #	46
20) Methylene Chloride	2.87	84	1489	0.215	ug/l #	57
28) Bromochloromethane	5.01	49	314	Below Cal	#	26
31) Cyclohexane	5.67	56	11833	1.174	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	43145	5.017	ug/l #	49
38) Carbon Tetrachloride	5.66	117	62146	7.436	ug/l #	15
49) 1,4-Dioxane	7.74	88	69	Below Cal	#	27
60) Dibromochloromethane	9.48	129	74	2.334	ug/l	97
71) Bromoform	10.72	173	106	4.477	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	203492	23.724	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	203492	70.320	ug/l #	10
90) Hexachloroethane	12.51	117	31	3.300	ug/l	67

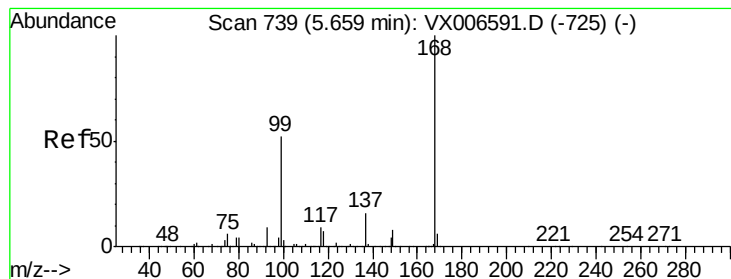
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010419\
Data File : VX006911.D
Acq On : 04 Jan 2019 14:16
Operator : JC/MD
Sample : VX0104MBL01
Misc : 5.0µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0104MBL01

Quant Time: Jan 04 22:17:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
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: VX006911.D

Acq: 04 Jan 2019 14:16

Instrument :

MSVOA_X

ClientSampled :

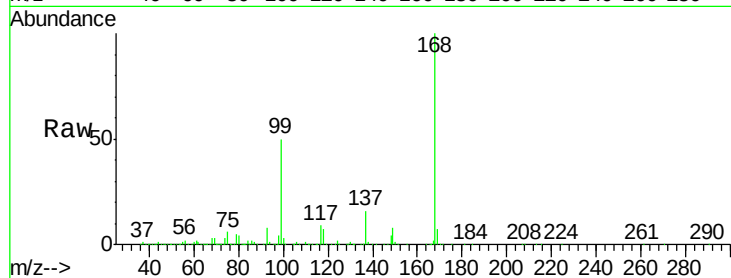
VX0104MBL01

Tot Ion:168 Resp: 675552

Ion Ratio Lower Upper

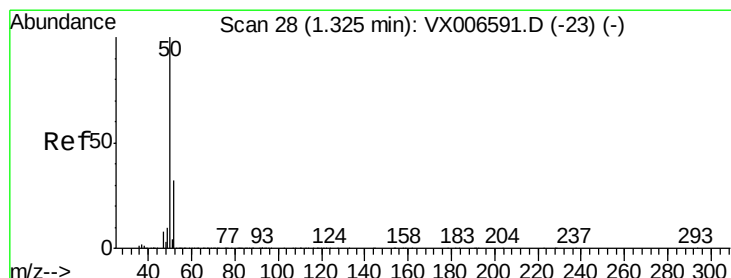
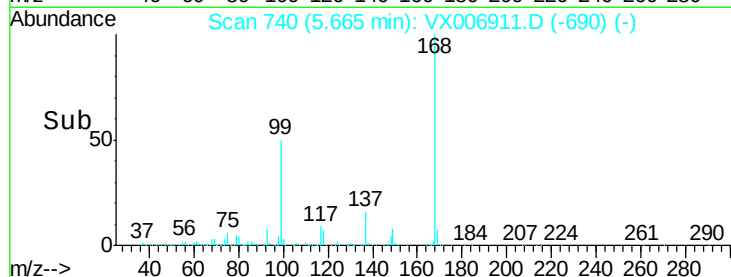
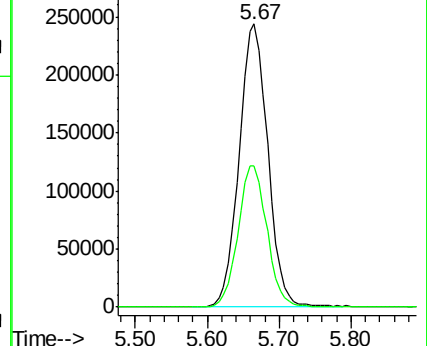
168 100

99 49.9 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.278 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006911.D

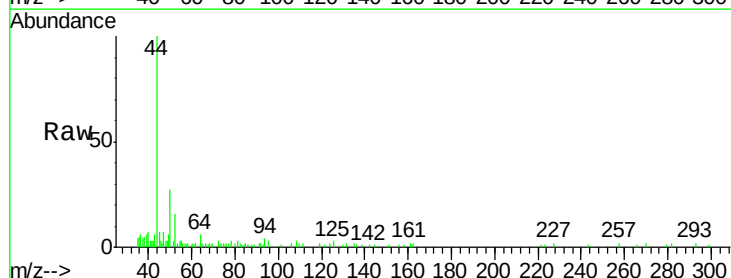
Acq: 04 Jan 2019 14:16

Tgt Ion: 50 Resp: 1854

Ion Ratio Lower Upper

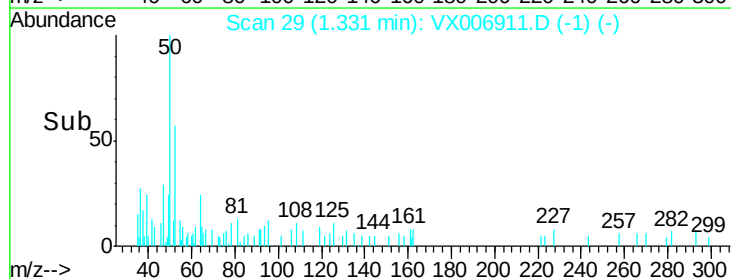
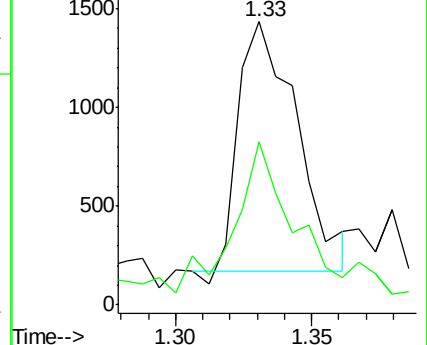
50 100

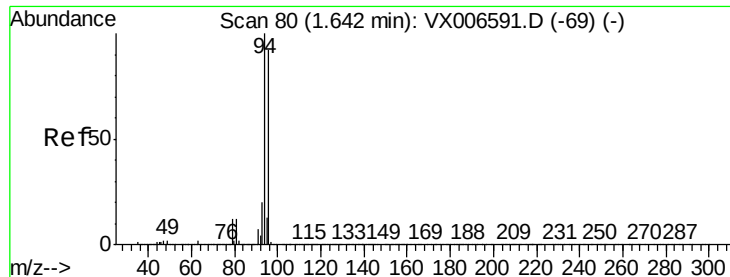
52 54.9 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006911.D

Acq: 04 Jan 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

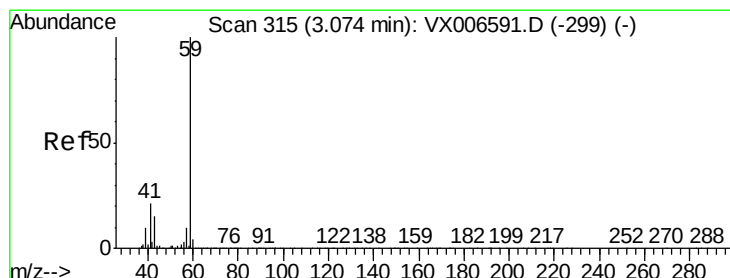
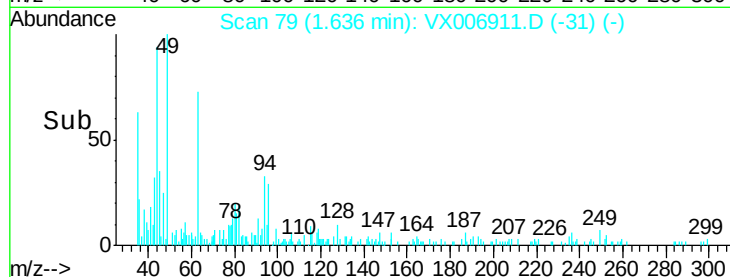
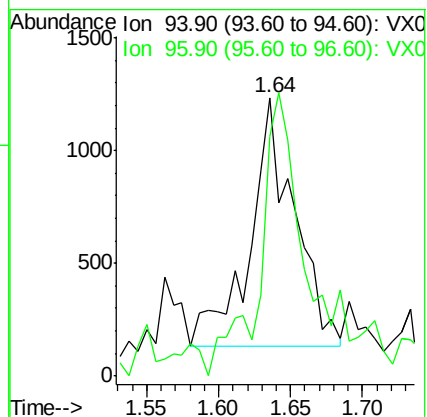
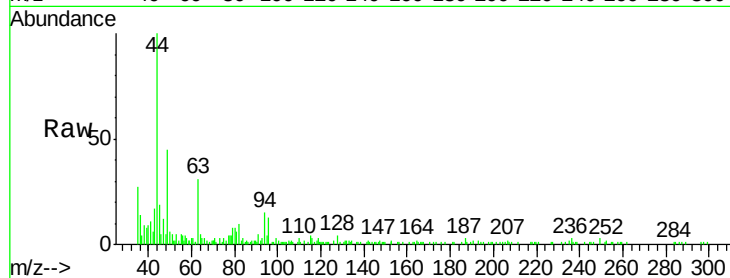
VX0104MBL01

Tot Ion: 94 Resp: 2353

Ion Ratio Lower Upper

94 100

96 83.3 73.4 110.2



#11

Tert butyl alcohol

Concen: 2.252 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX006911.D

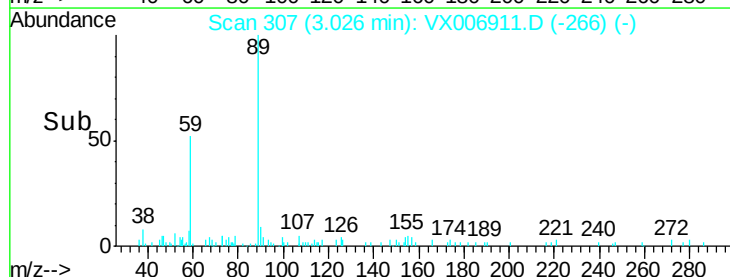
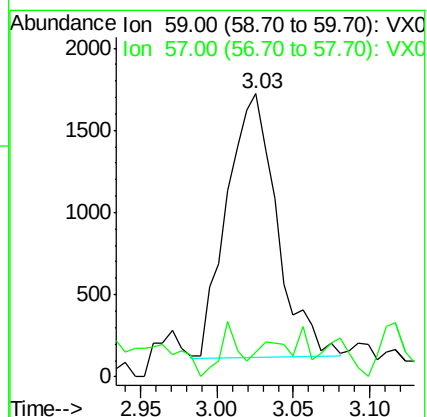
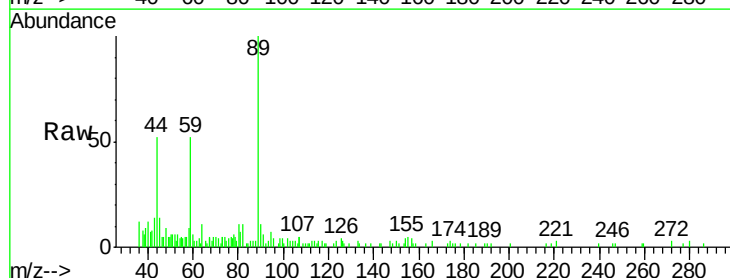
Acq: 04 Jan 2019 14:16

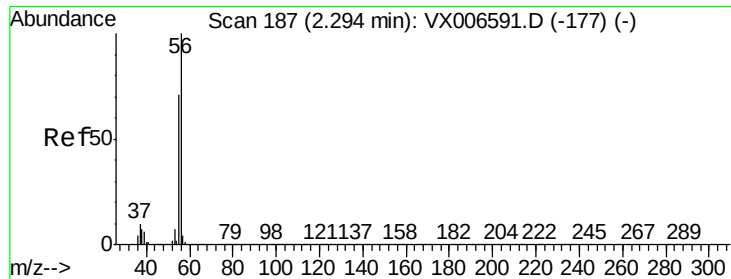
Tgt Ion: 59 Resp: 3659

Ion Ratio Lower Upper

59 100

57 8.0 8.5 12.7#





#13

Acrolein

Concen: 0.360 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006911.D

Acq: 04 Jan 2019 14:16

Instrument :

MSVOA_X

ClientSampled :

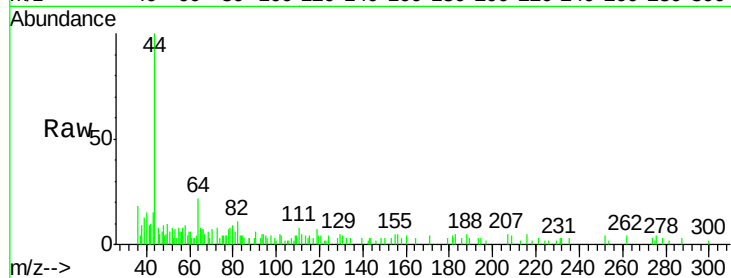
VX0104MBL01

Tot Ion: 56 Resp: 395

Ion Ratio Lower Upper

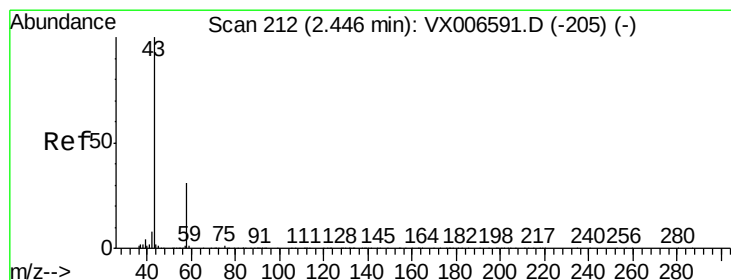
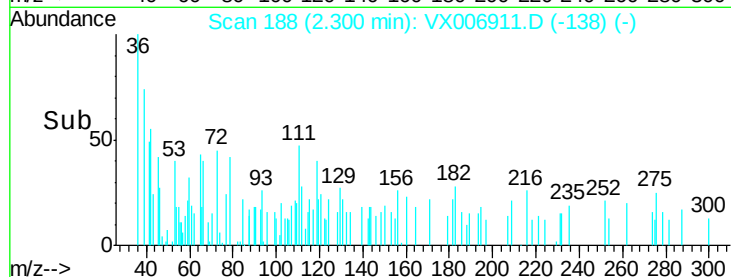
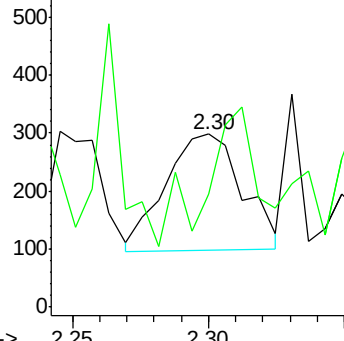
56 100

55 80.5 58.2 87.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.401 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006911.D

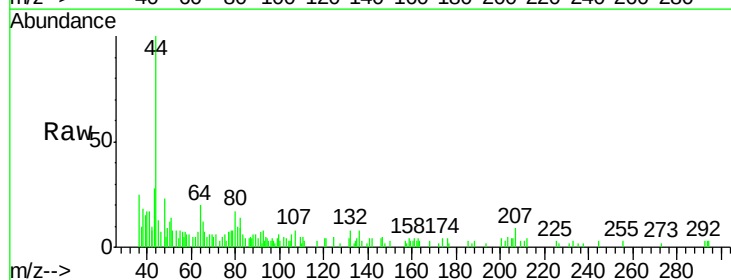
Acq: 04 Jan 2019 14:16

Tgt Ion: 43 Resp: 1342

Ion Ratio Lower Upper

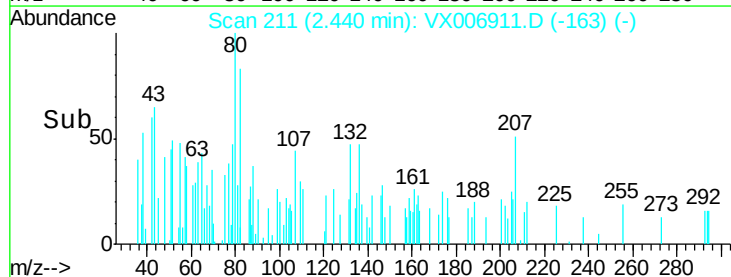
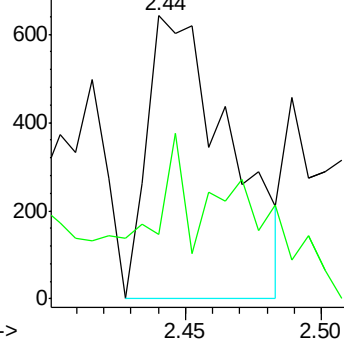
43 100

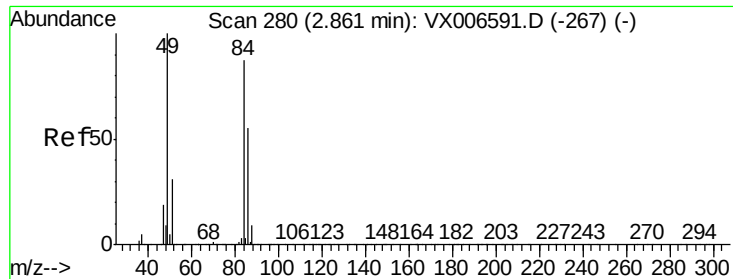
58 1.6 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

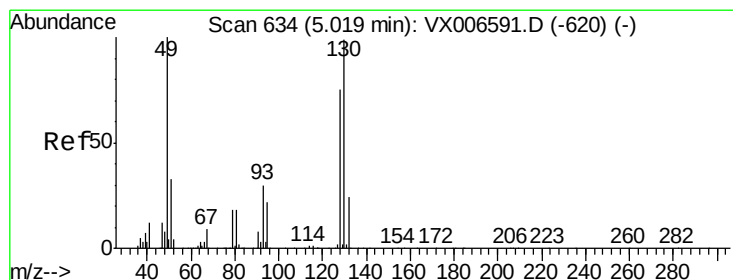
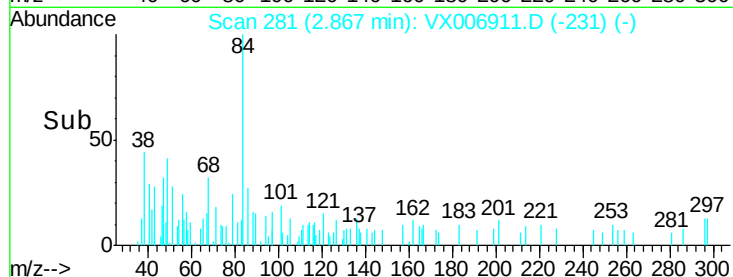
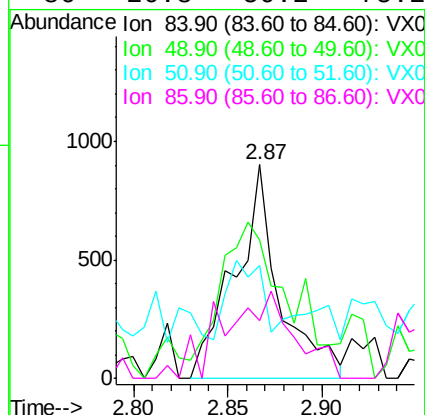
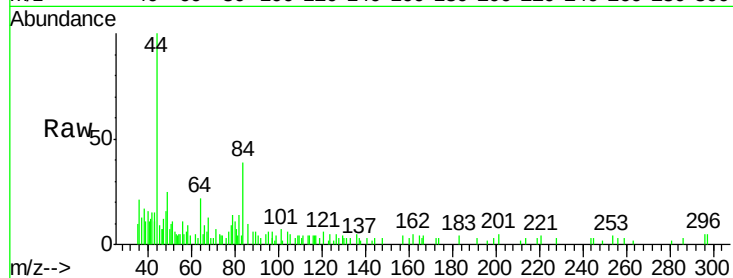




#20
Methvlene Chloride
Concen: 0.215 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006911.D
Acq: 04 Jan 2019 14:16

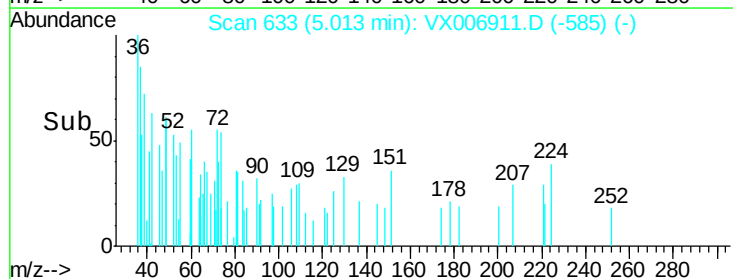
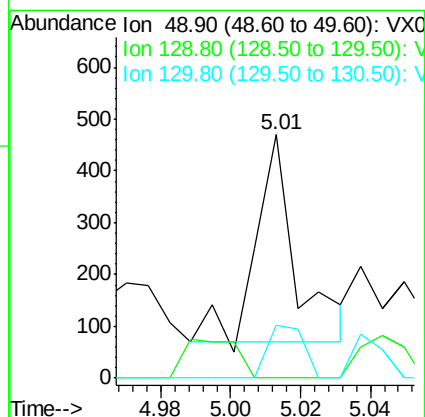
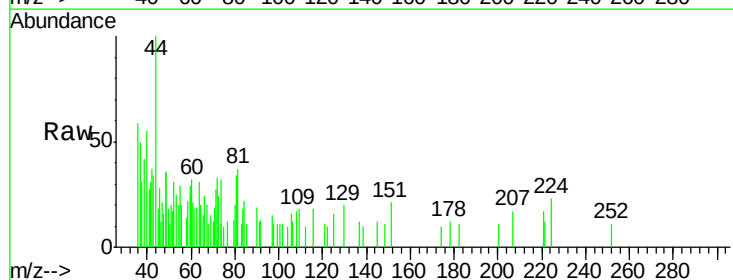
Instrument :
MSVOA_X
ClientSampled :
VX0104MBL01

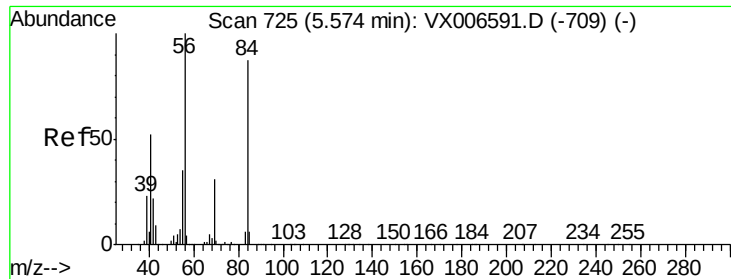
Tot Ion: 84 Resp: 1489
Ion Ratio Lower Upper
84 100
49 56.0 91.8 137.6#
51 35.0 28.5 42.7
86 26.8 50.2 75.2#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006911.D
Acq: 04 Jan 2019 14:16

Tgt Ion: 49 Resp: 314
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 22.9 77.7 116.5#





#31

Cyclohexane

Concen: 1.174 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX006911.D

Acq: 04 Jan 2019 14:16

Instrument :

MSVOA_X

ClientSampled :

VX0104MBL01

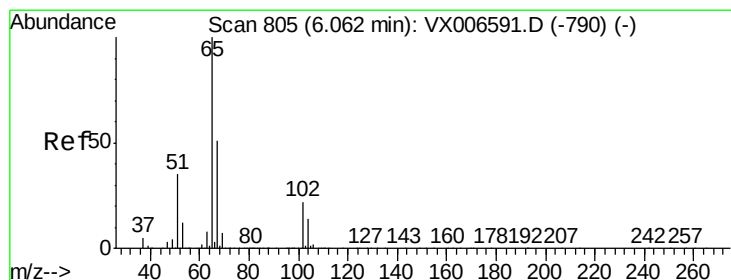
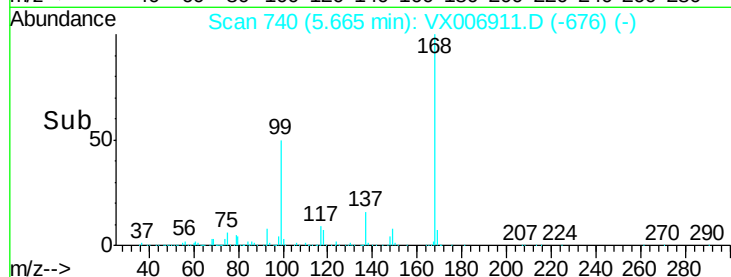
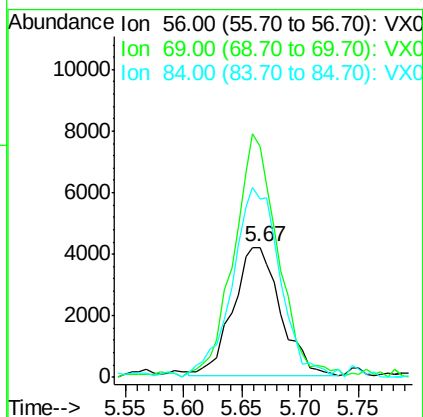
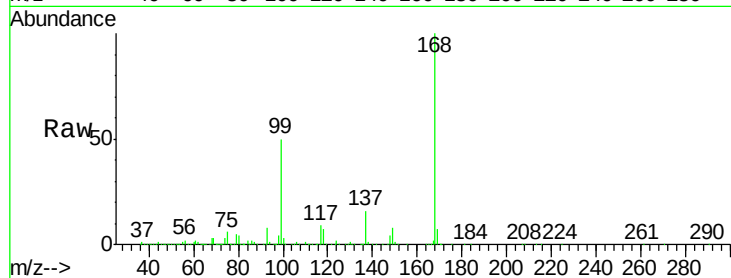
Tot Ion: 56 Resp: 11833

Ion Ratio Lower Upper

56 100

69 175.7 24.4 36.6#

84 135.3 70.0 105.0#



#33

1,2-Dichloroethane-d4

Concen: 47.937 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006911.D

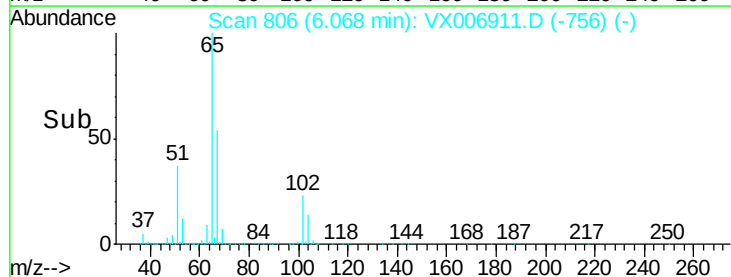
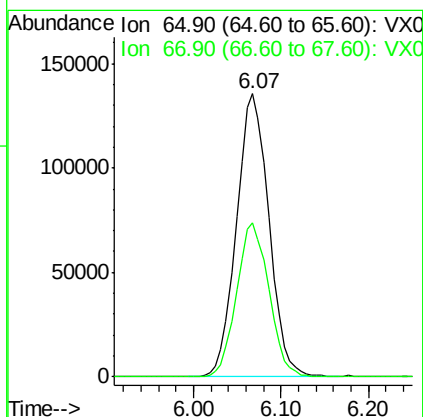
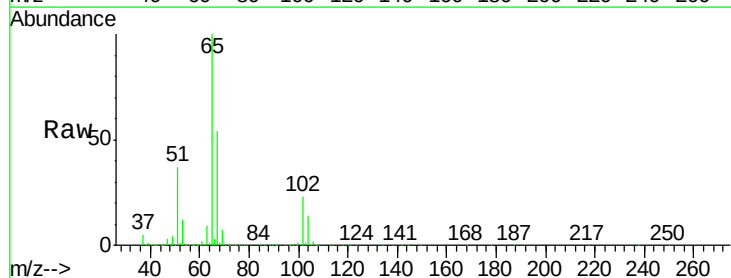
Acq: 04 Jan 2019 14:16

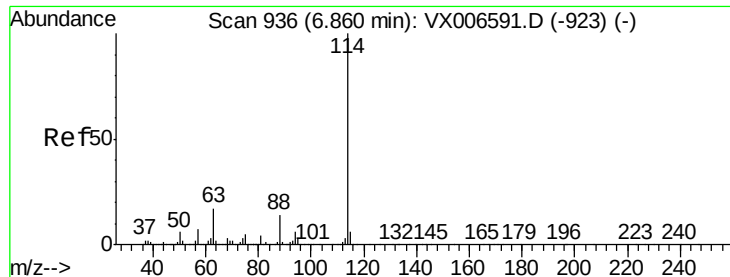
Tgt Ion: 65 Resp: 349020

Ion Ratio Lower Upper

65 100

67 54.4 0.0 105.0



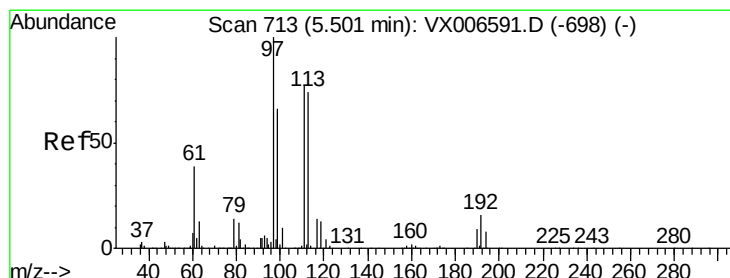
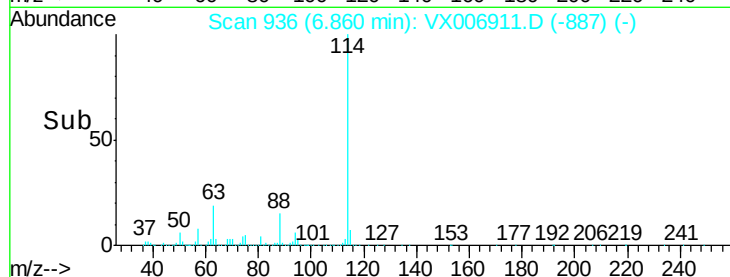
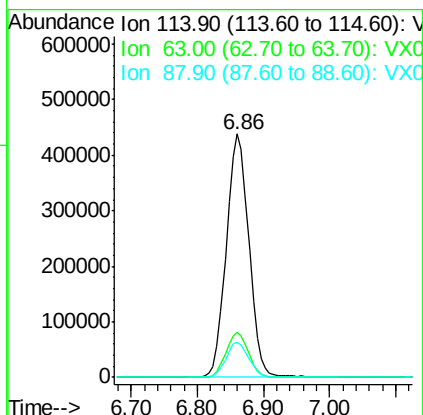
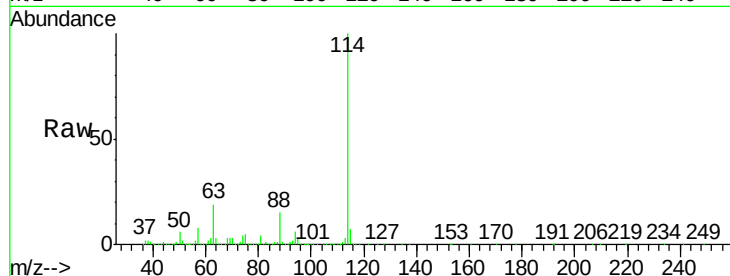


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006911.D
 Acq: 04 Jan 2019 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0104MBL01

Tot Ion:114 Resp: 1038271

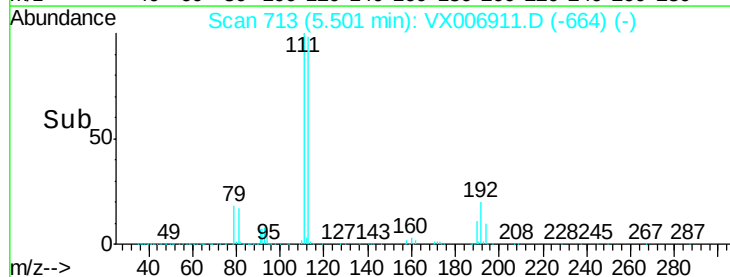
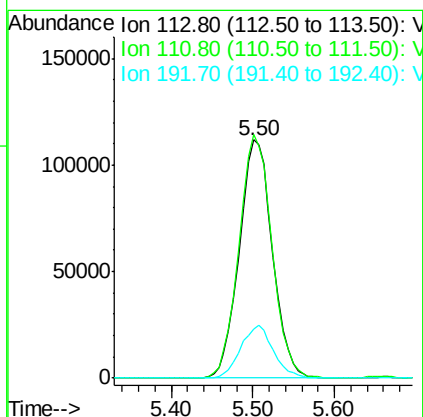
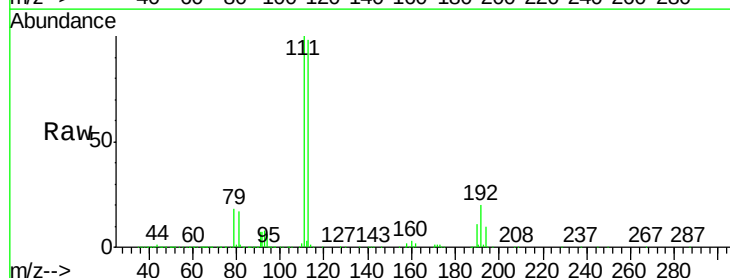
Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	34.8
88	14.5	0.0	28.8

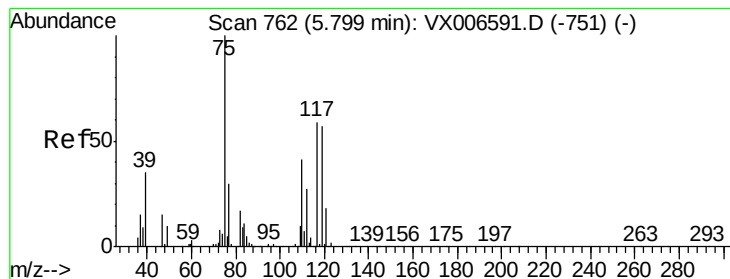


#35
 Dibromofluoromethane
 Concen: 48.131 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX006911.D
 Acq: 04 Jan 2019 14:16

Tgt Ion:113 Resp: 316018

Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.6	122.4
192	21.7	16.7	25.1





#36

1,1-Dichloropropene

Concen: 5.017 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006911.D

Acq: 04 Jan 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

VX0104MBL01

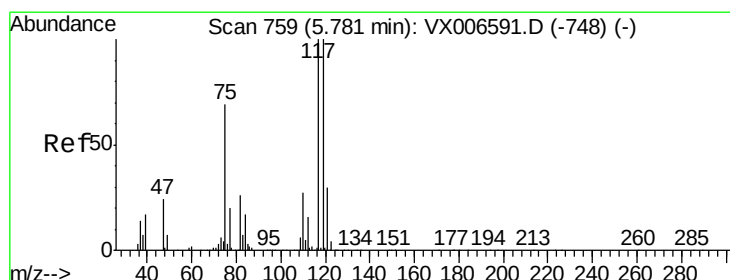
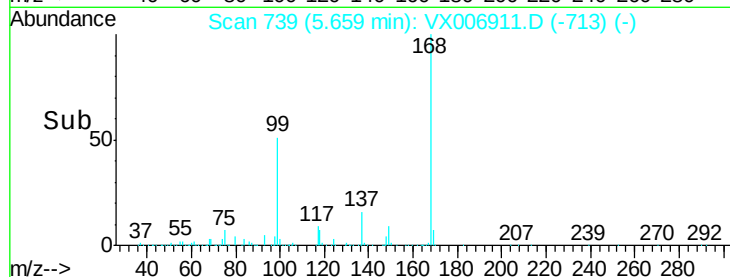
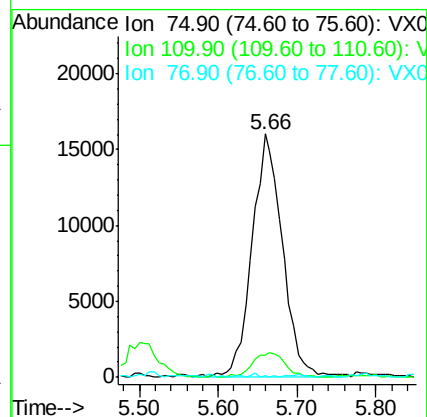
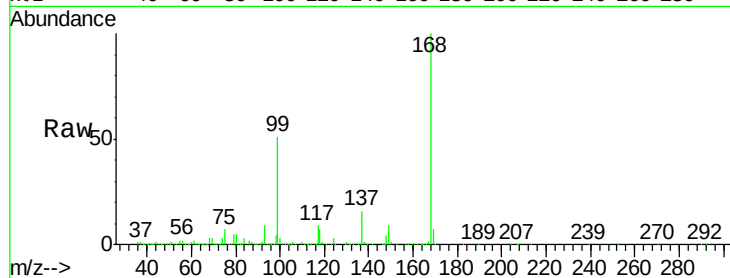
Tot Ion: 75 Resp: 43145

Ion Ratio Lower Upper

75 100

110 10.9 20.2 60.5#

77 0.6 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.436 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006911.D

Acq: 04 Jan 2019 14:16

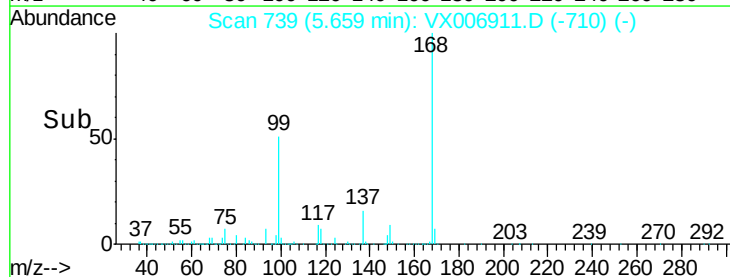
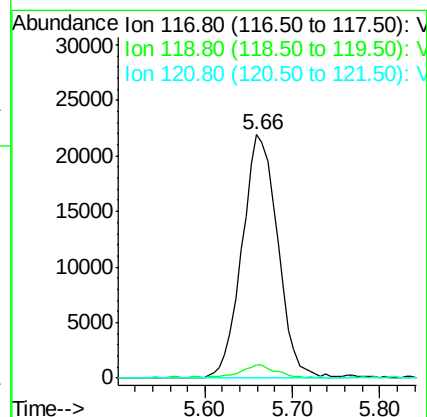
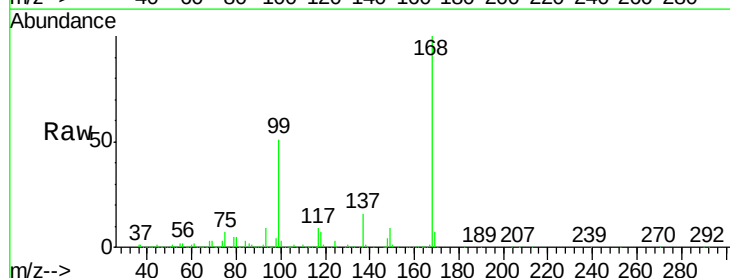
Tgt Ion: 117 Resp: 62146

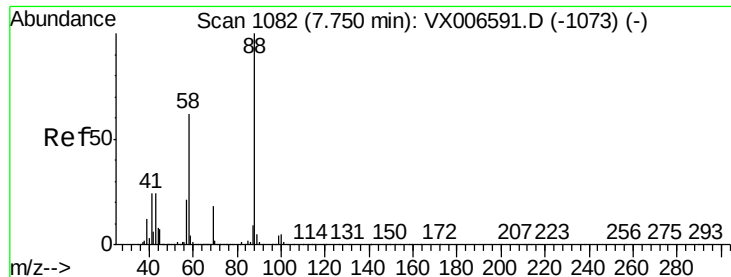
Ion Ratio Lower Upper

117 100

119 5.5 79.4 119.2#

121 0.3 24.0 36.0#

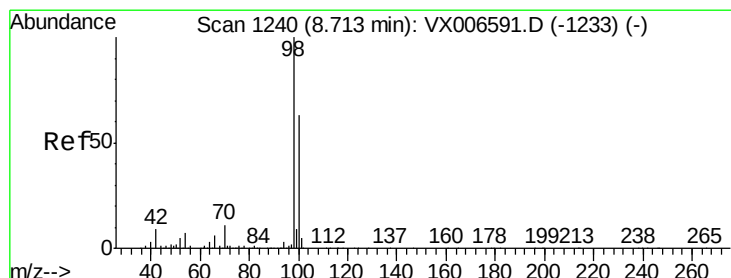
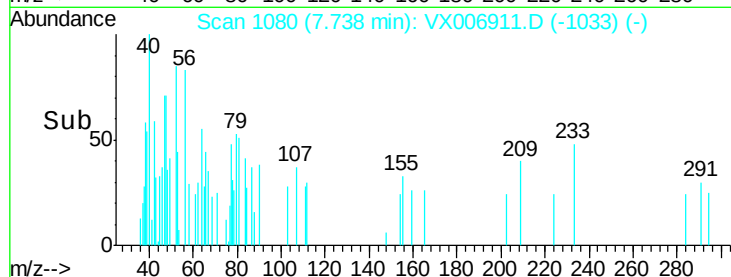
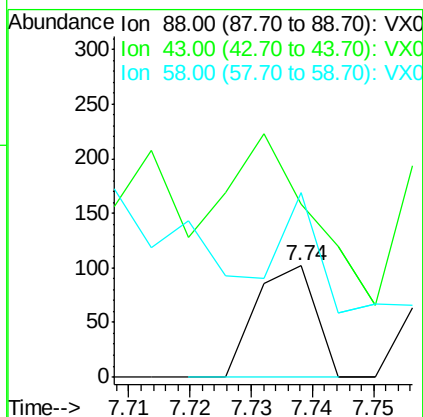
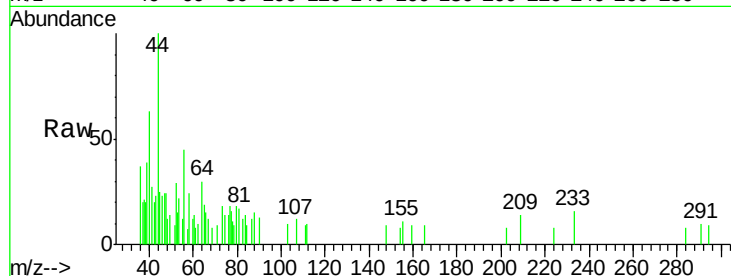




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX006911.D
Acq: 04 Jan 2019 14:16

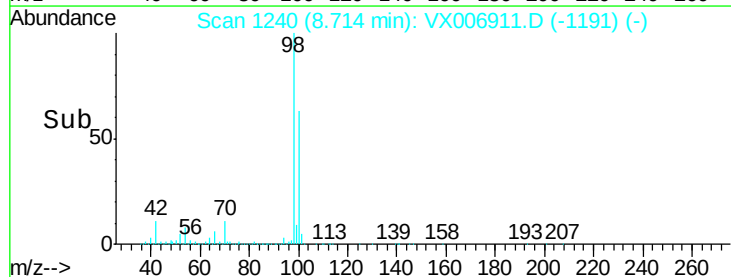
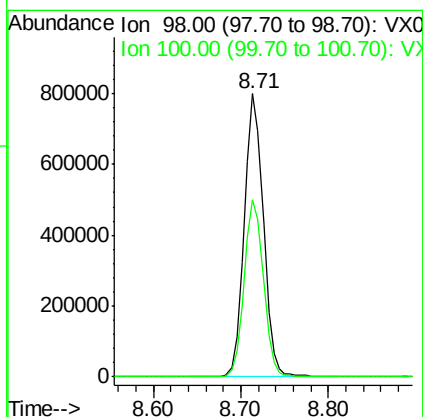
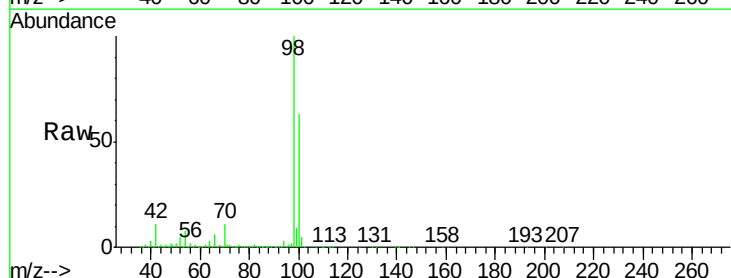
Instrument :
MSVOA_X
ClientSampled :
VX0104MBL01

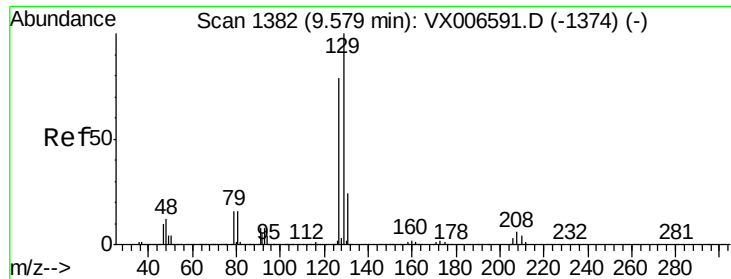
Tot Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.4#
58 0.0 51.0 76.4#



#50
Toluene-d8
Concen: 48.929 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006911.D
Acq: 04 Jan 2019 14:16

Tgt Ion: 98 Resp: 1211165
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0





#60

Dibromochloromethane

Concen: 2.334 ug/l

RT: 9.48 min Scan# 1366

Delta R.T. -0.10 min

Lab File: VX006911.D

Acq: 04 Jan 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

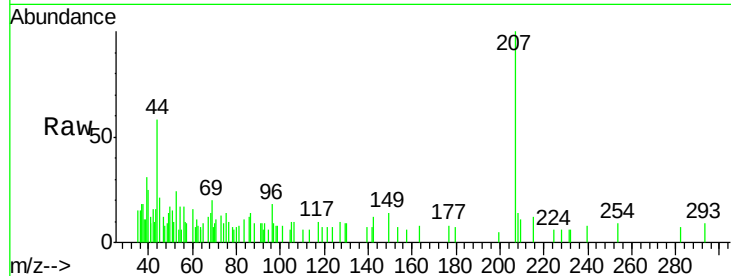
VX0104MBL01

Tot Ion:129 Resp: 74

Ion Ratio Lower Upper

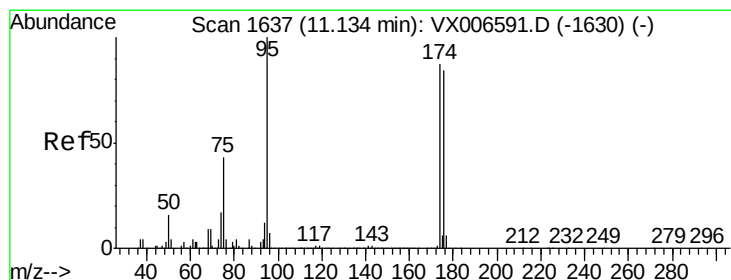
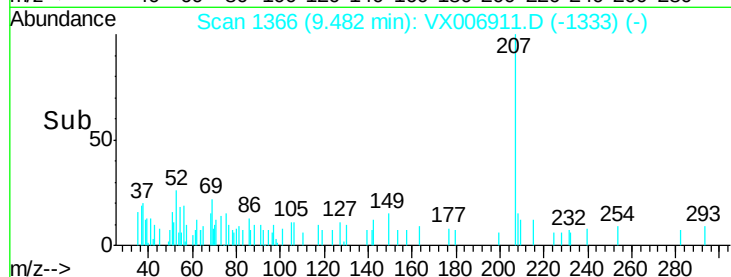
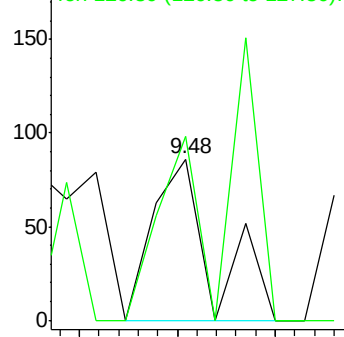
129 100

127 75.7 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 47.119 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006911.D

Acq: 04 Jan 2019 14:16

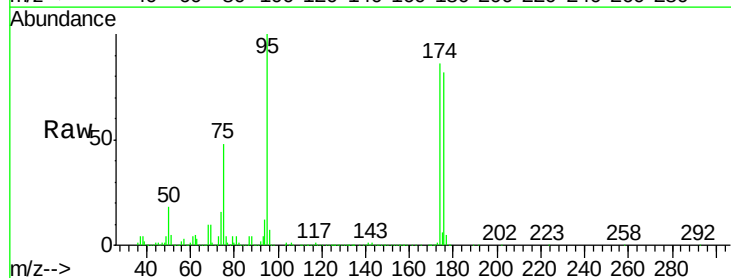
Tgt Ion: 95 Resp: 427172

Ion Ratio Lower Upper

95 100

174 92.6 0.0 182.2

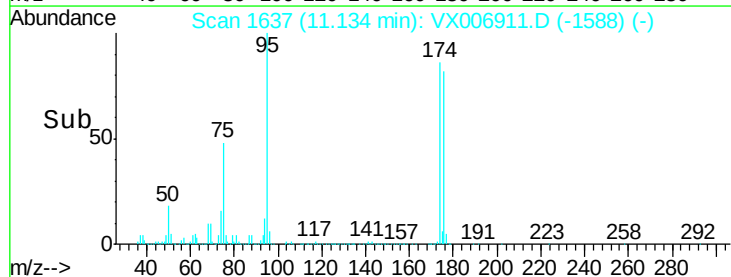
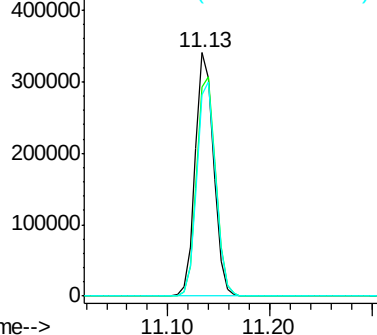
176 89.6 0.0 178.8

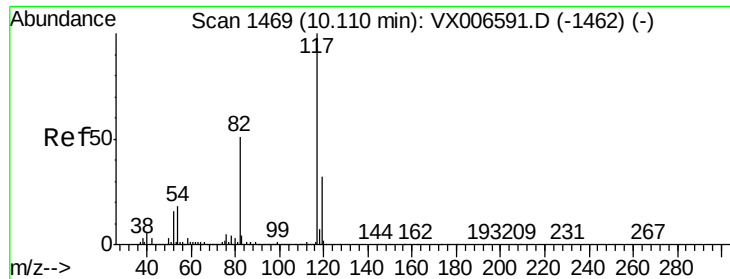


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

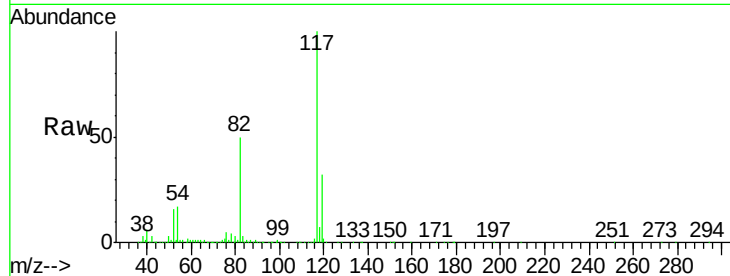




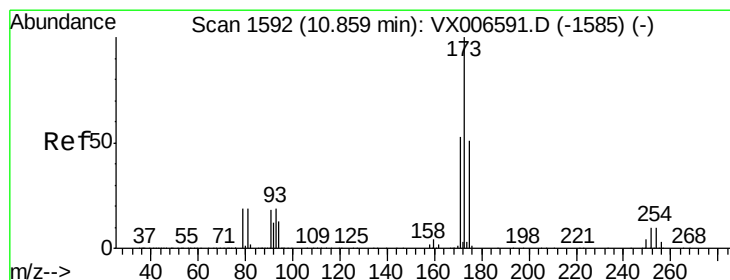
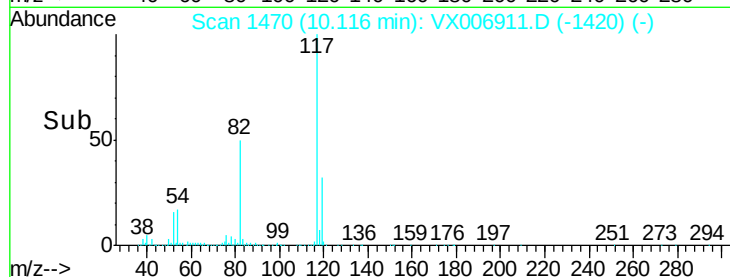
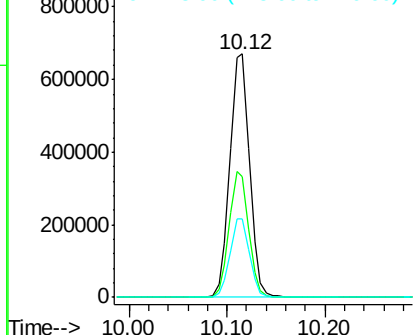
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006911.D
Acq: 04 Jan 2019 14:16

Instrument :
MSVOA_X
ClientSampled :
VX0104MBL01

Tot Ion:117 Resp: 939435
Ion Ratio Lower Upper
117 100
82 49.6 41.0 61.6
119 32.1 25.4 38.0

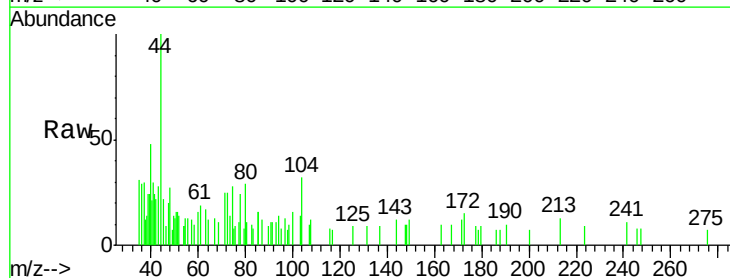


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

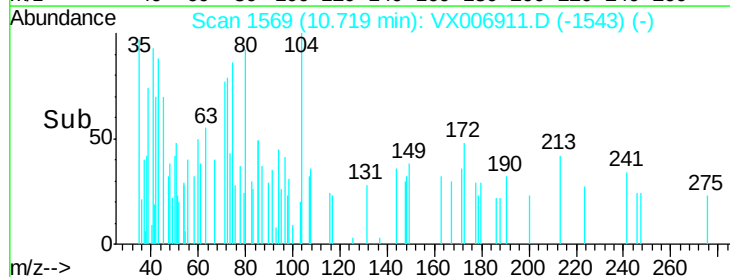
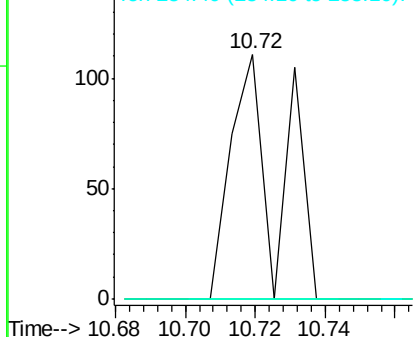


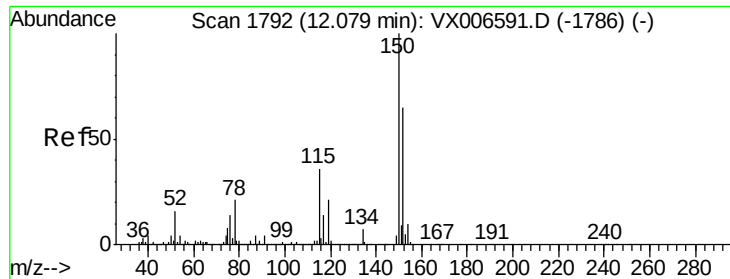
#71
Bromoform
Concen: 4.477 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. -0.14 min
Lab File: VX006911.D
Acq: 04 Jan 2019 14:16

Tgt Ion:173 Resp: 106
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
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



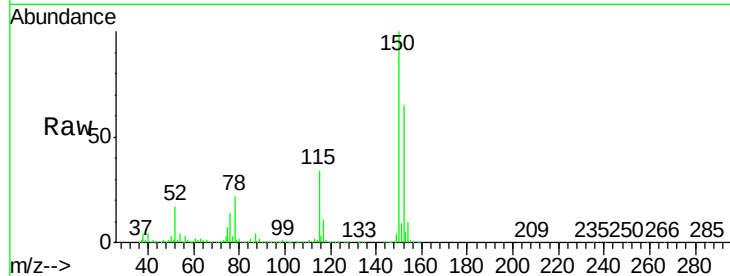


#72

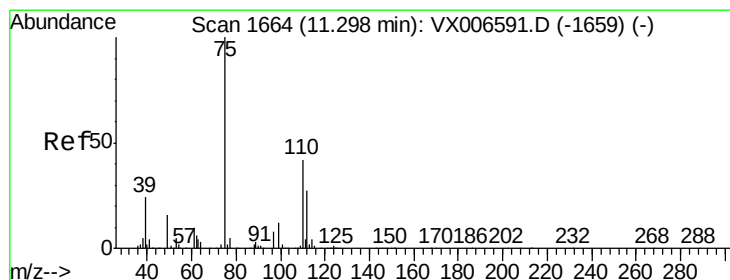
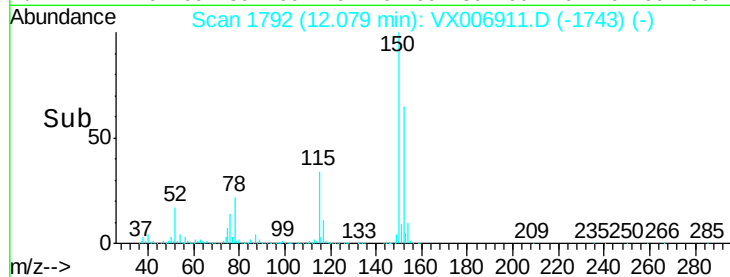
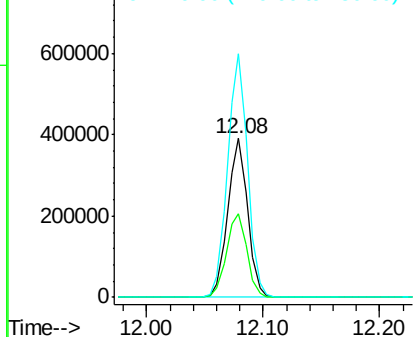
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006911.D
Acq: 04 Jan 2019 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0104MBL01

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.1	39.1	117.2
150	154.1	0.0	344.8



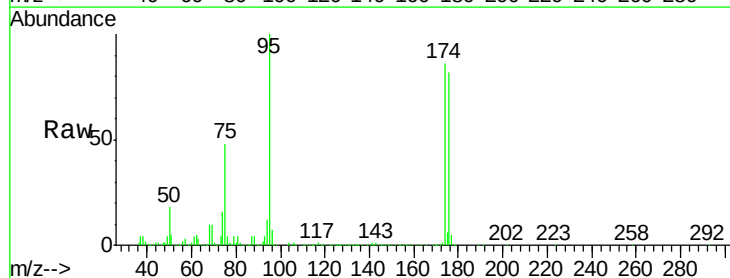
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



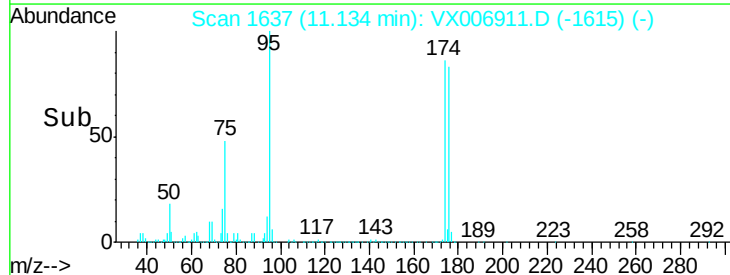
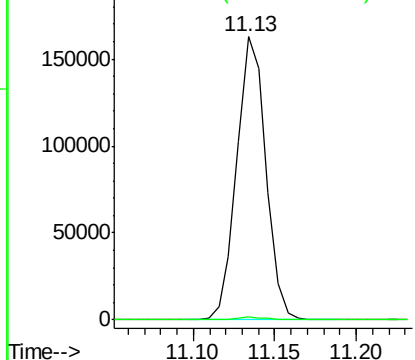
#76

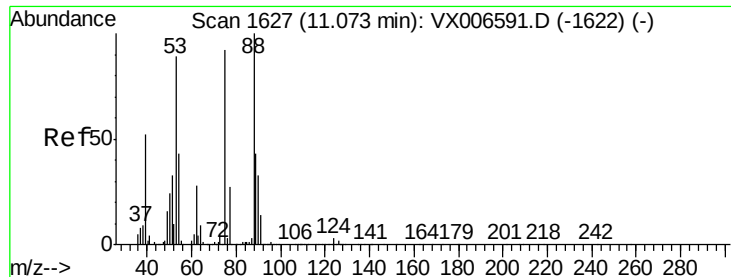
1,2,3-Trichloropropane
Concen: 23.724 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006911.D
Acq: 04 Jan 2019 14:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	18.5	55.5#



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: 70.320 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006911.D

Acq: 04 Jan 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

VX0104MBL01

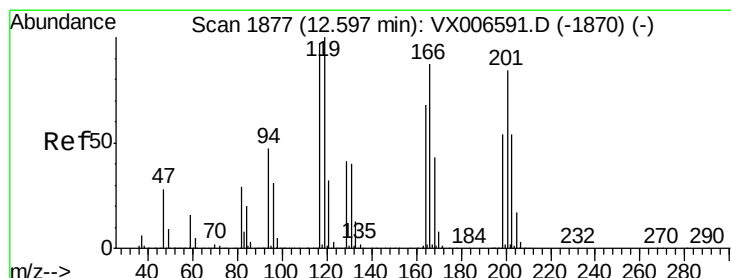
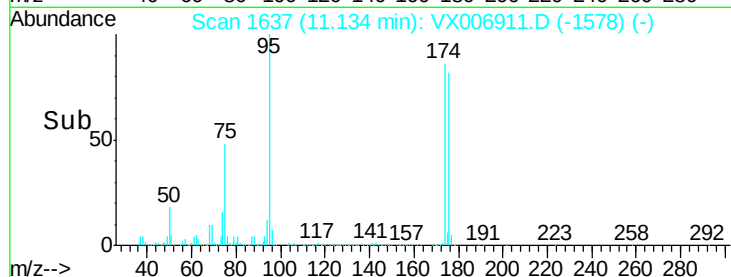
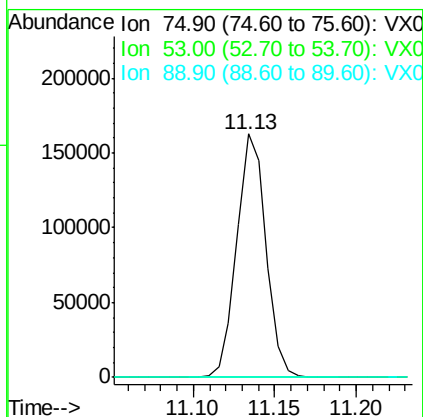
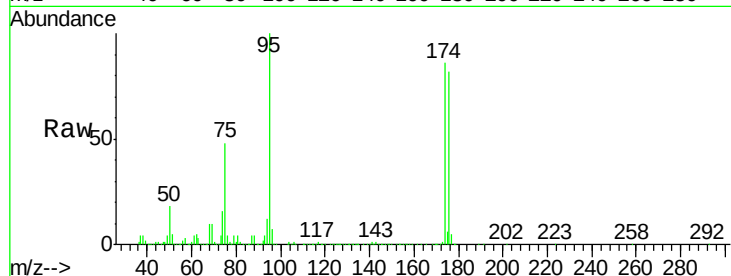
Tot Ion: 75 Resp: 203492

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.0 38.0 57.0#



#90

Hexachloroethane

Concen: 3.300 ug/l

RT: 12.51 min Scan# 1863

Delta R.T. -0.08 min

Lab File: VX006911.D

Acq: 04 Jan 2019 14:16

Tgt Ion: 117 Resp: 31

Ion Ratio Lower Upper

117 100

201 116.1 42.9 128.7

