

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006636.D
 Acq On : 19 Dec 2018 14:54
 Operator : JC/MD
 Sample : VX1219WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 04:00:24 2018
 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	672339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1051248	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	955698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	452100	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	363699	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
35) Dibromofluoromethane	5.50	113	317029	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
50) Toluene-d8	8.71	98	1232715	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.13	95	440626	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	

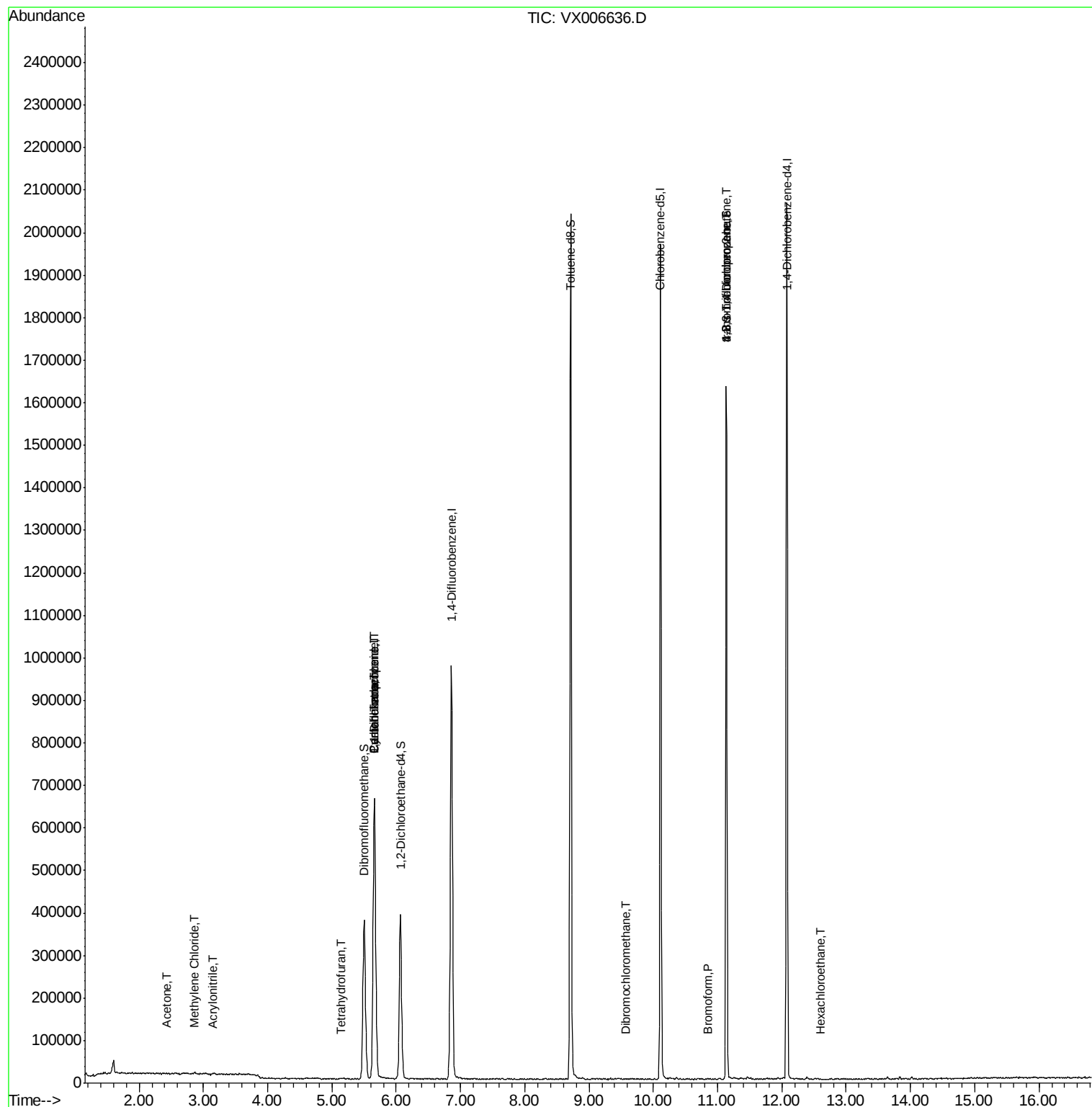
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1613	Below Cal		84
15) Acrylonitrile	3.15	53	965	0.269	ug/l #	54
16) Acetone	2.43	43	1580	0.475	ug/l #	77
20) Methylene Chloride	2.86	84	1750	0.254	ug/l #	87
28) Bromochloromethane	5.02	49	484	Below Cal	#	69
29) Tetrahydrofuran	5.15	42	1204	0.390	ug/l #	56
31) Cyclohexane	5.66	56	11069	1.103	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	43782	5.029	ug/l #	49
38) Carbon Tetrachloride	5.66	117	63516	7.506	ug/l #	14
49) 1,4-Dioxane	7.76	88	394	Below Cal	#	27
60) Dibromochloromethane	9.58	129	168	2.346	ug/l	60
71) Bromoform	10.85	173	119	4.479	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	208022	24.759	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	208022	73.203	ug/l #	10
90) Hexachloroethane	12.60	117	125	3.320	ug/l #	24

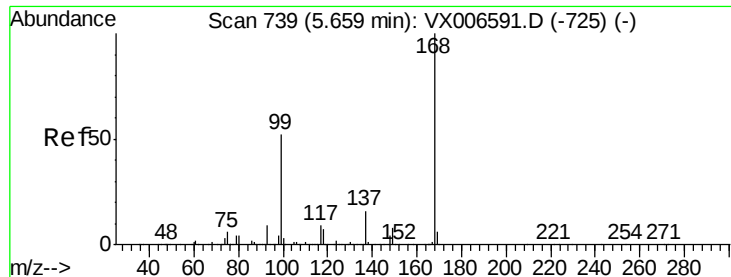
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006636.D

Acq: 19 Dec 2018 14:54

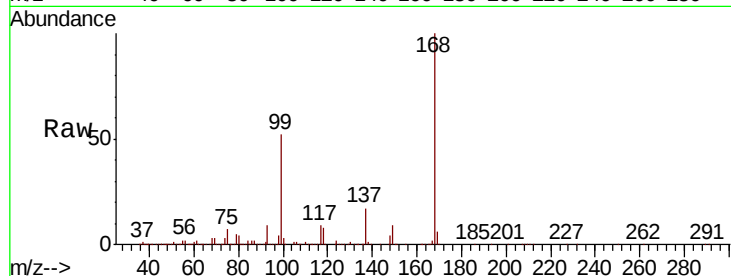
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 672339

Ion Ratio Lower Upper

168 100

99 51.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

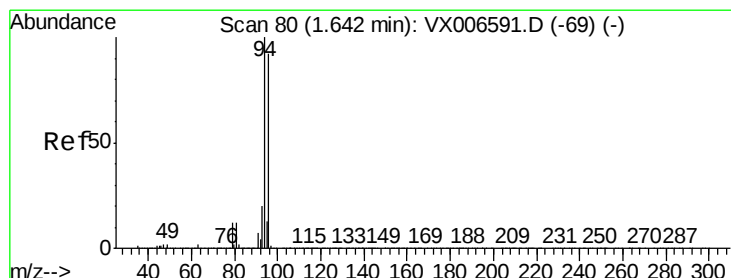
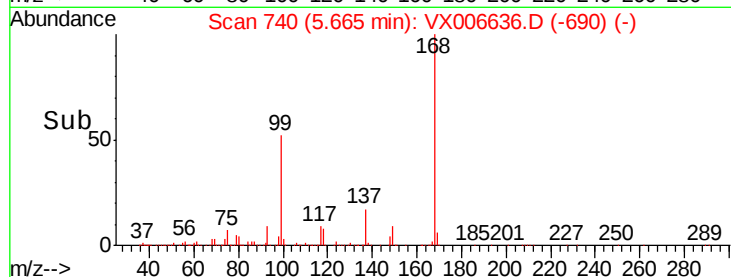
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006636.D

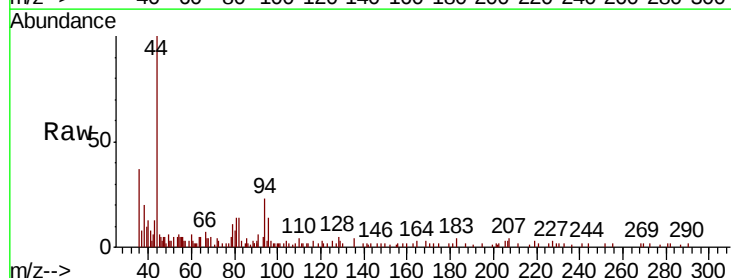
Acq: 19 Dec 2018 14:54

Tgt Ion: 94 Resp: 1613

Ion Ratio Lower Upper

94 100

96 76.6 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

1000

800

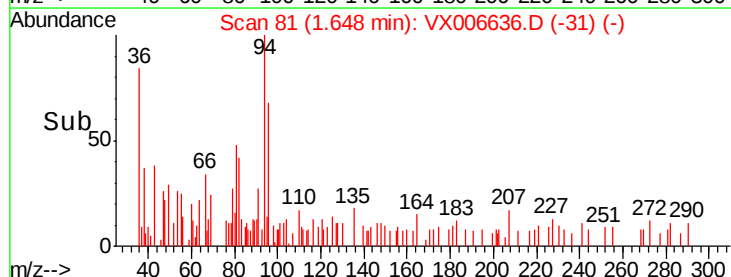
600

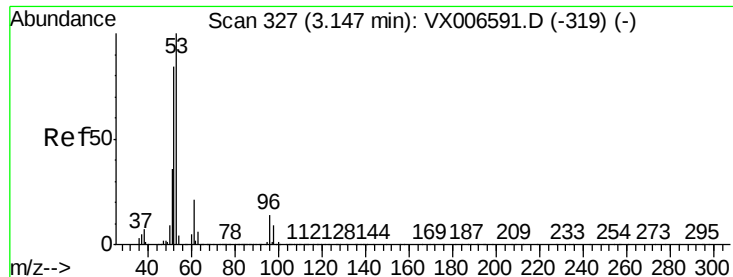
400

200

0

Time--> 1.60 1.65 1.70





#15

Acrylonitrile

Concen: 0.269 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX006636.D

Acq: 19 Dec 2018 14:54

Instrument :

MSVOA_X

ClientSampled :

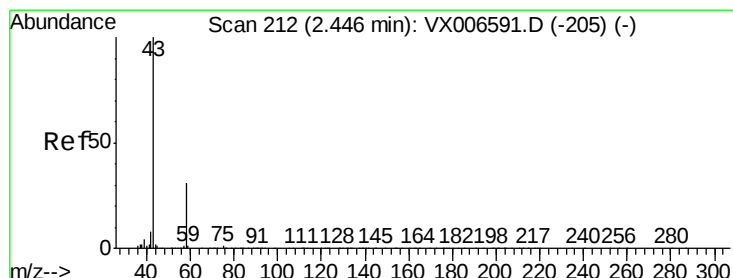
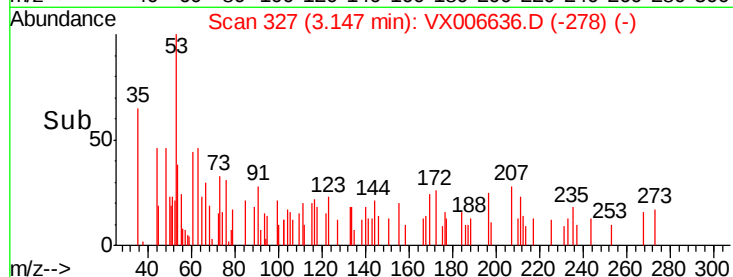
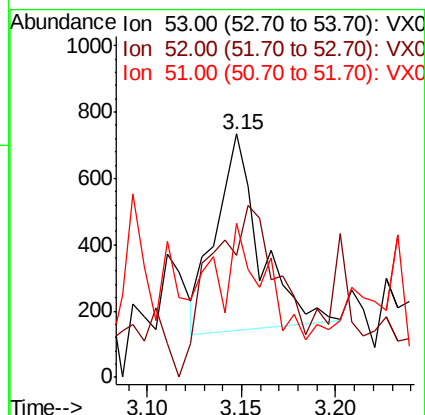
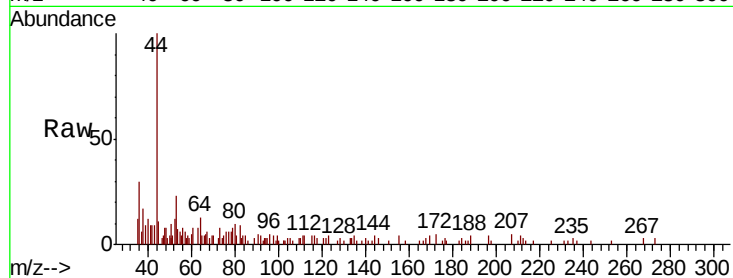
Tot Ion: 53 Resp: 965

Ion Ratio Lower Upper

53 100

52 135.6 66.0 99.0#

51 45.2 28.6 42.8#



#16

Acetone

Concen: 0.475 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX006636.D

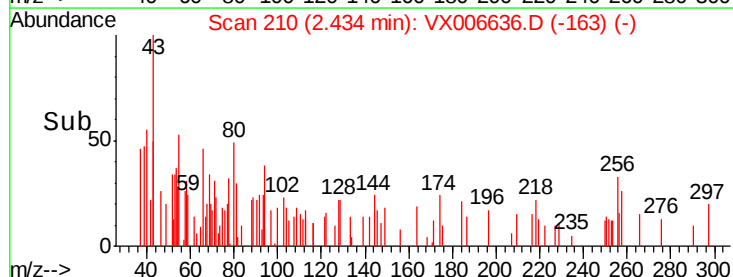
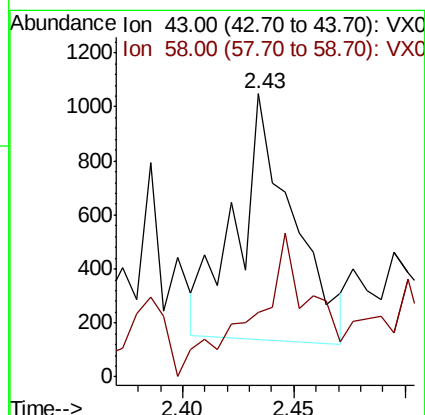
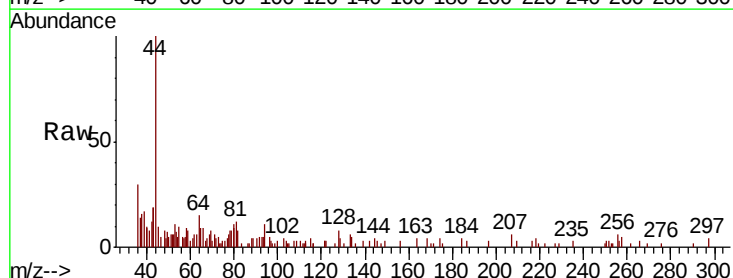
Acq: 19 Dec 2018 14:54

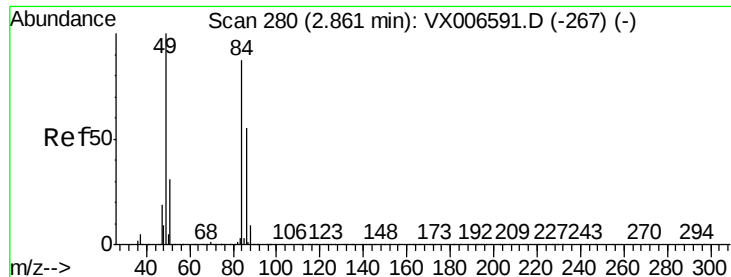
Tgt Ion: 43 Resp: 1580

Ion Ratio Lower Upper

43 100

58 18.5 25.0 37.6#





#20

Methvlene Chloride

Concen: 0.254 ug/l

RT: 2.86 min Scan# 280

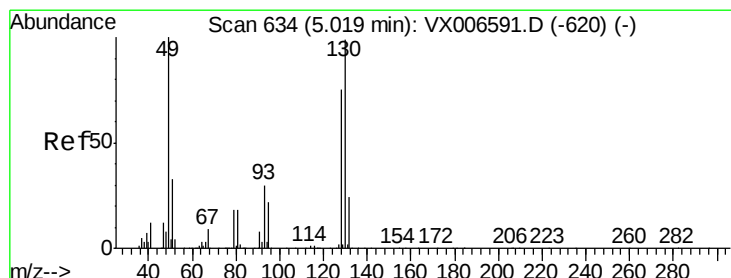
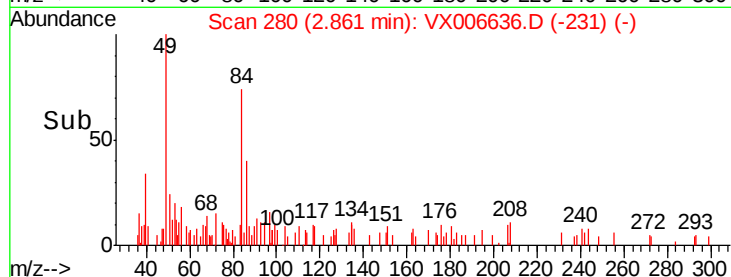
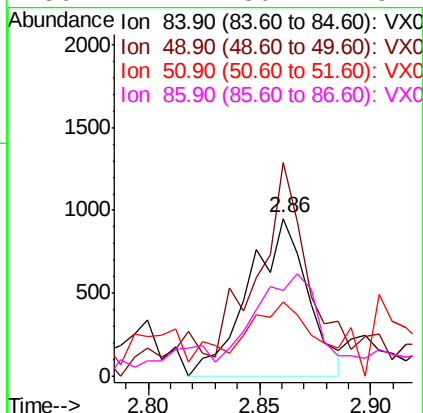
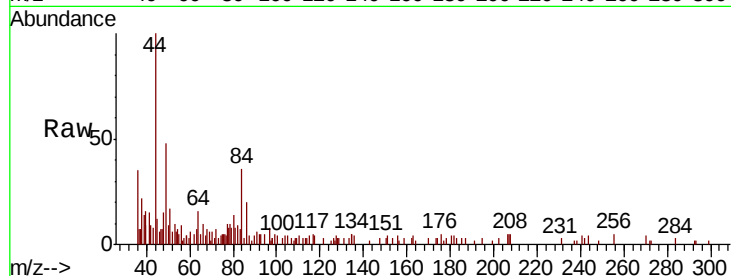
Delta R.T. 0.00 min

Lab File: VX006636.D

Acq: 19 Dec 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	84	Resp:	1750
Ion	Ratio	Lower	Upper
84	100		
49	106.9	91.8	137.6
51	38.0	28.5	42.7
86	41.2	50.2	75.2#



#28

Bromochloromethane

Concen: Below Cal

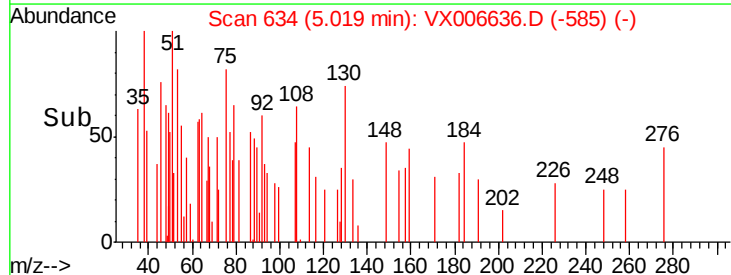
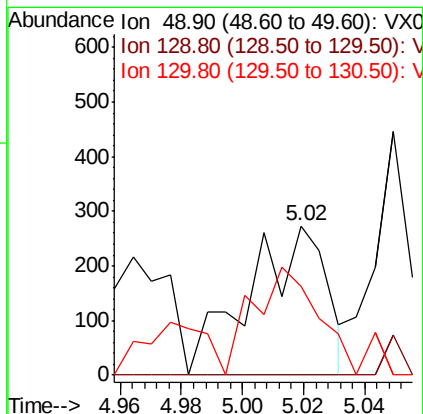
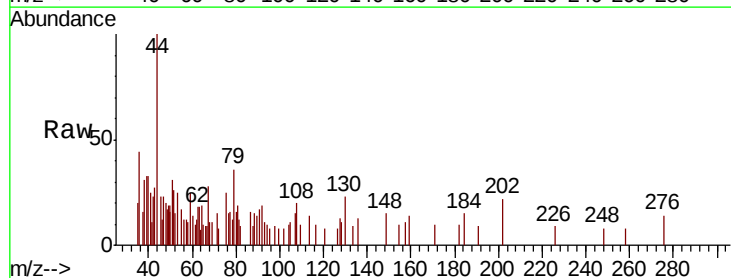
RT: 5.02 min Scan# 634

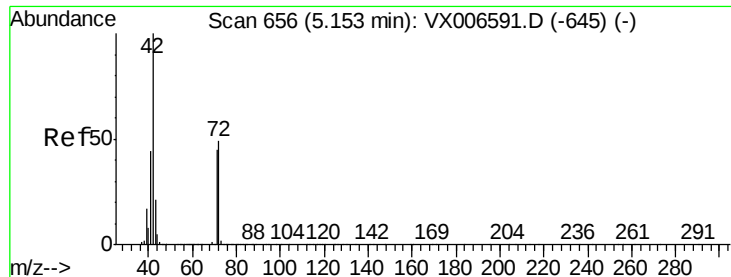
Delta R.T. 0.00 min

Lab File: VX006636.D

Acq: 19 Dec 2018 14:54

Tgt Ion:	49	Resp:	484
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	66.3	77.7	116.5#

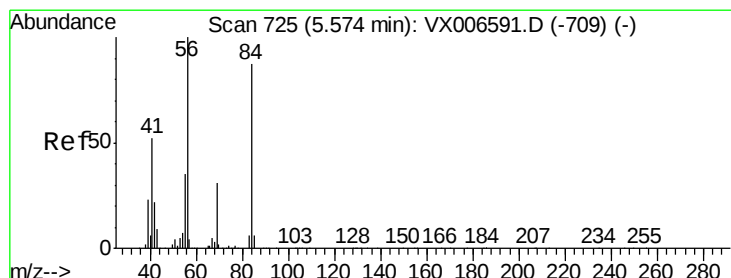
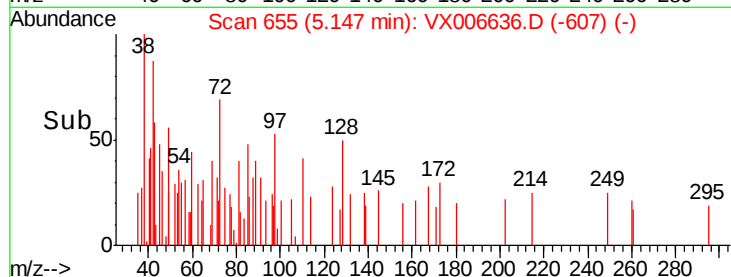
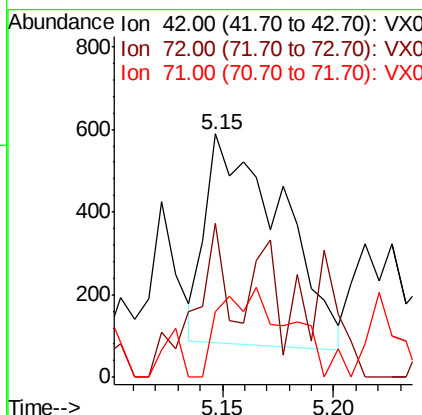
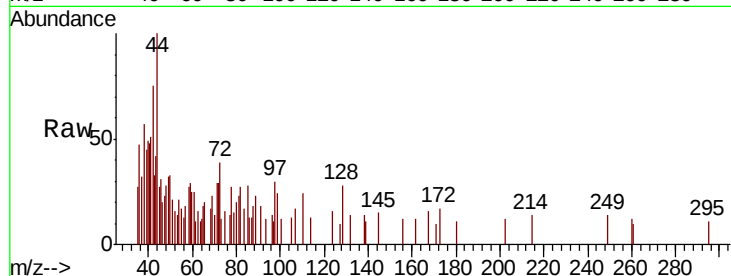




#29
Tetrahydrofuran
Concen: 0.390 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX006636.D
Acq: 19 Dec 2018 14:54

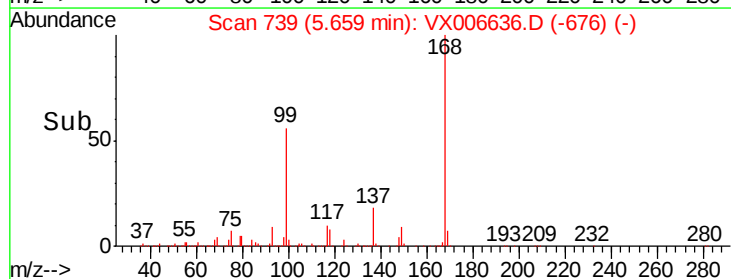
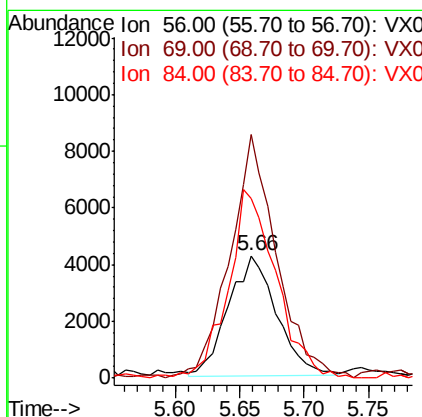
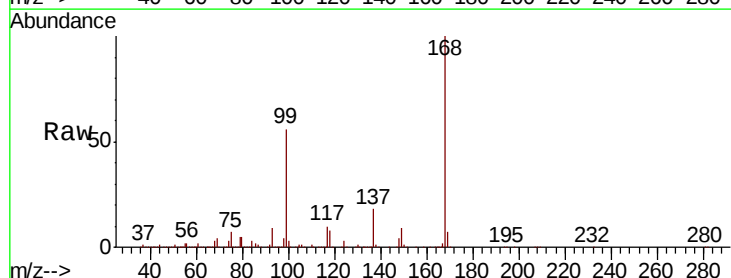
Instrument :
MSVOA_X
ClientSampled :

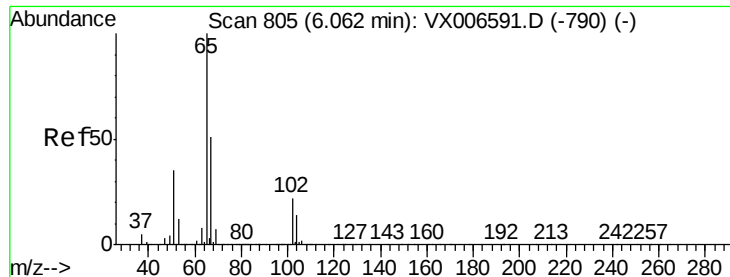
Tot Ion: 42 Resp: 1204
Ion Ratio Lower Upper
42 100
72 34.8 38.9 58.3#
71 0.0 36.2 54.4#



#31
Cyclohexane
Concen: 1.103 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006636.D
Acq: 19 Dec 2018 14:54

Tgt Ion: 56 Resp: 11069
Ion Ratio Lower Upper
56 100
69 204.0 24.4 36.6#
84 152.4 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 50.192 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006636.D

Acq: 19 Dec 2018 14:54

Instrument :

MSVOA_X

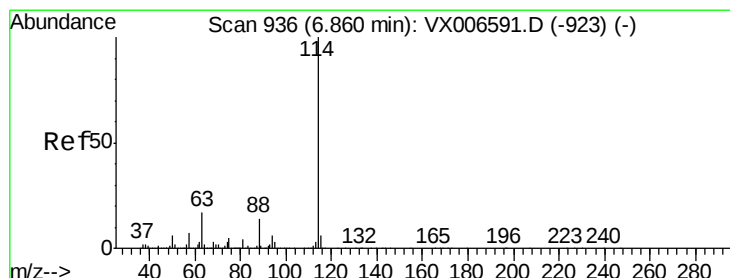
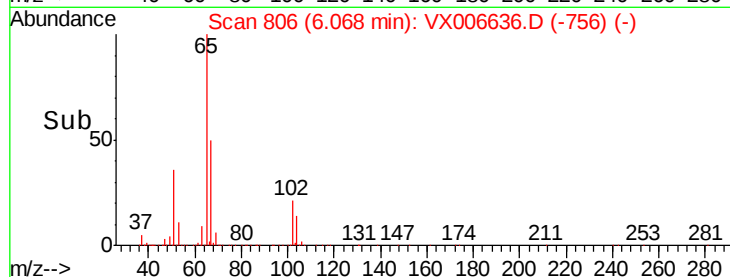
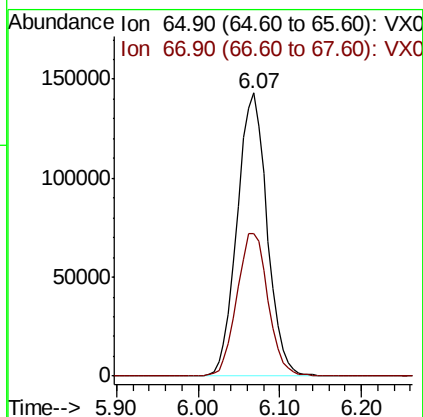
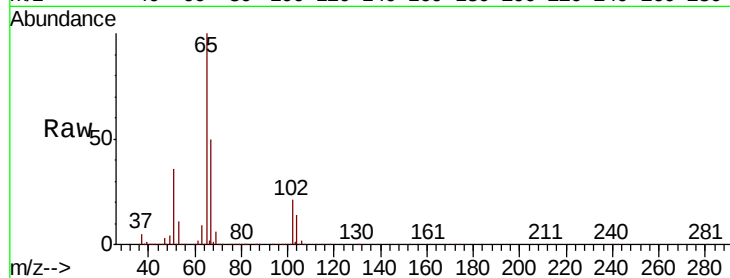
ClientSampleId :

Tot Ion: 65 Resp: 363699

Ion Ratio Lower Upper

65 100

67 52.4 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: VX006636.D

Acq: 19 Dec 2018 14:54

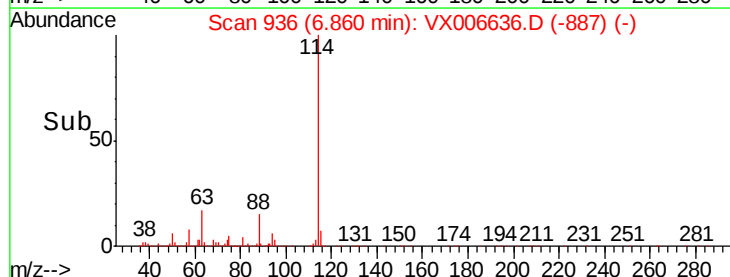
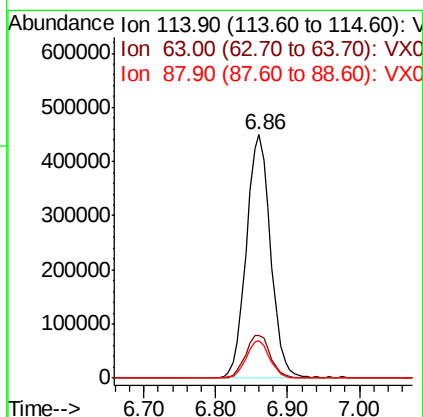
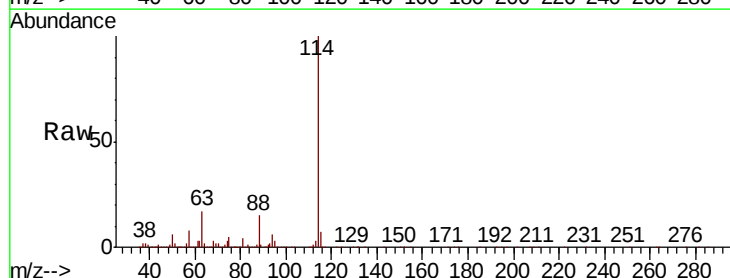
Tgt Ion: 114 Resp: 1051248

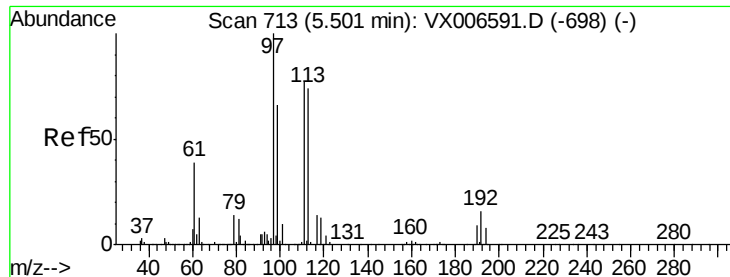
Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.8

88 15.4 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.689 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006636.D

Acq: 19 Dec 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :

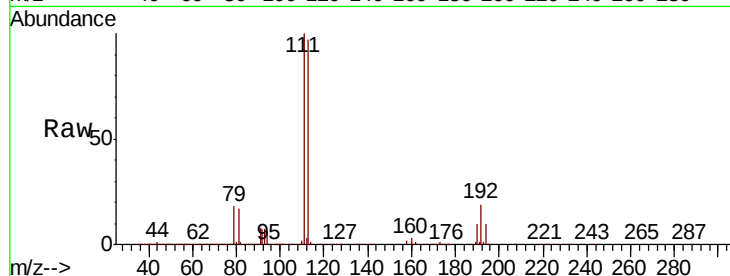
Tot Ion:113 Resp: 317029

Ion Ratio Lower Upper

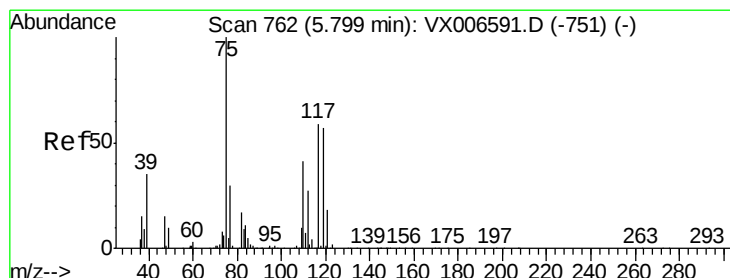
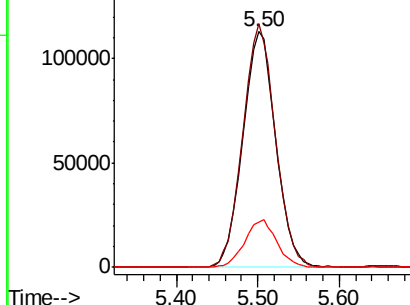
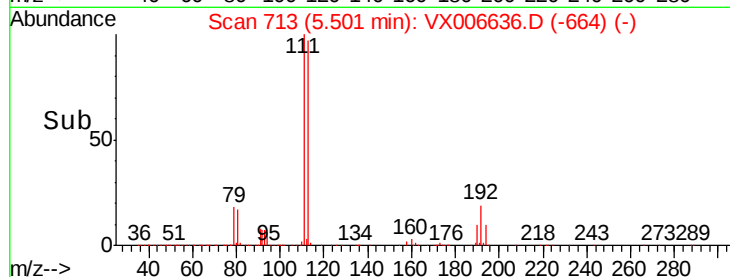
113 100

111 102.0 81.6 122.4

192 19.8 16.7 25.1



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: 5.029 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006636.D

Acq: 19 Dec 2018 14:54

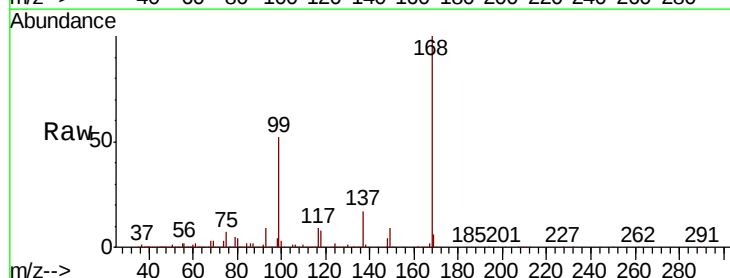
Tgt Ion: 75 Resp: 43782

Ion Ratio Lower Upper

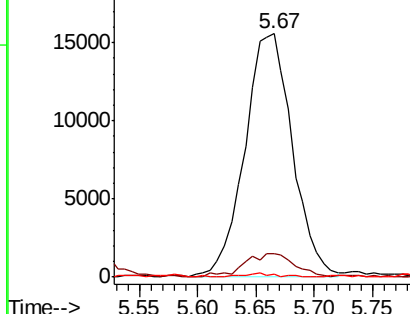
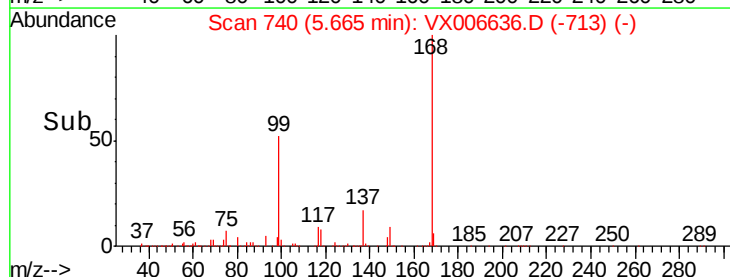
75 100

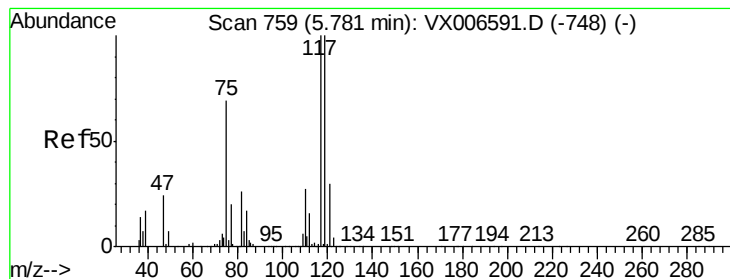
110 10.2 20.2 60.5#

77 1.2 24.8 37.2#



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: 7.506 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006636.D

Acq: 19 Dec 2018 14:54

Instrument :

MSVOA_X

ClientSampled :

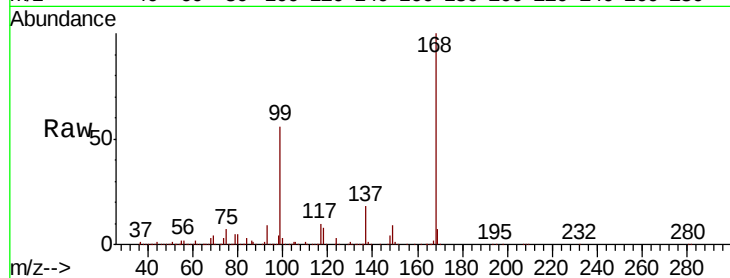
Tot Ion:117 Resp: 63516

Ion Ratio Lower Upper

117 100

119 4.1 79.4 119.2#

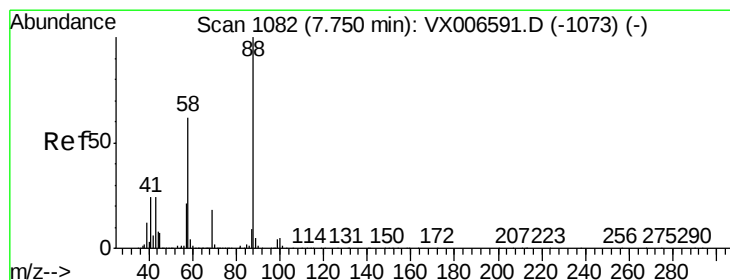
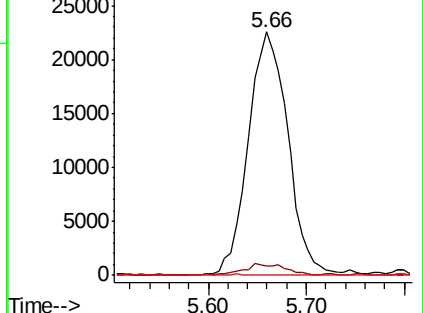
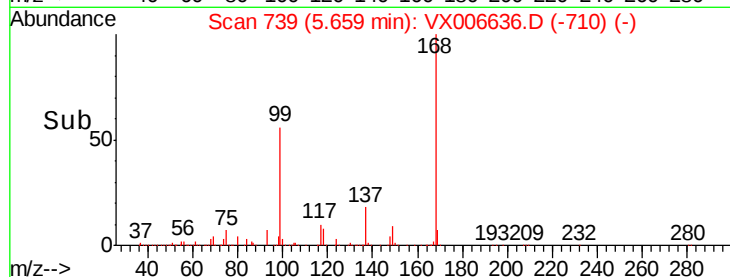
121 0.0 24.0 36.0#



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: Below Cal

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006636.D

Acq: 19 Dec 2018 14:54

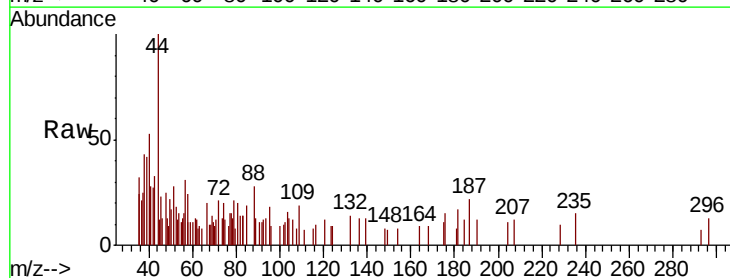
Tgt Ion: 88 Resp: 394

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

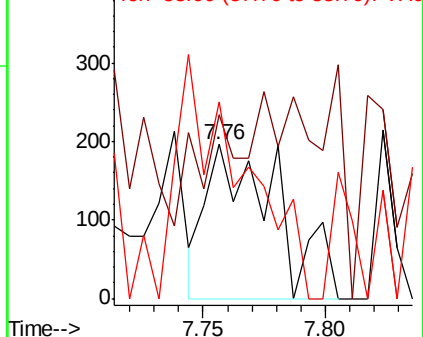
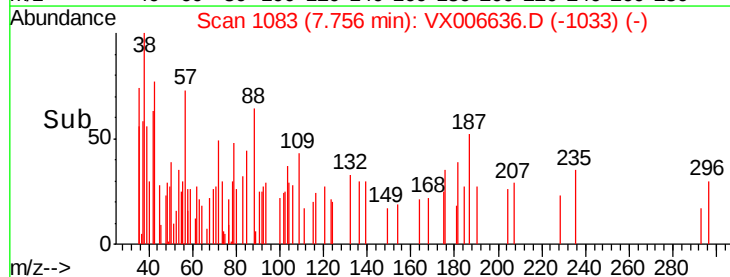
58 0.0 51.0 76.4#

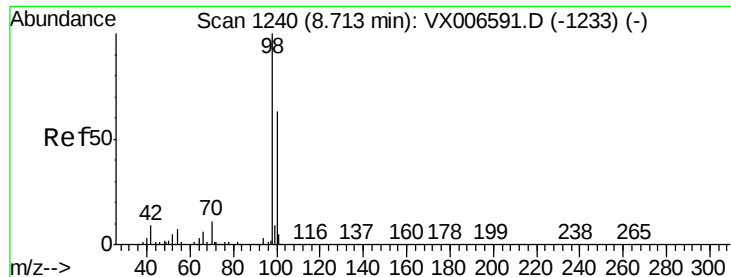


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.185 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006636.D

Acq: 19 Dec 2018 14:54

Instrument :

MSVOA_X

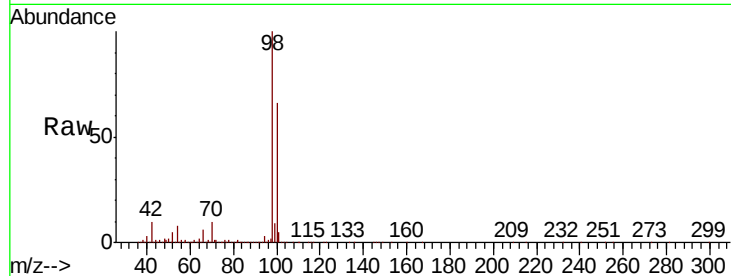
ClientSampleId :

Tot Ion: 98 Resp: 1232715

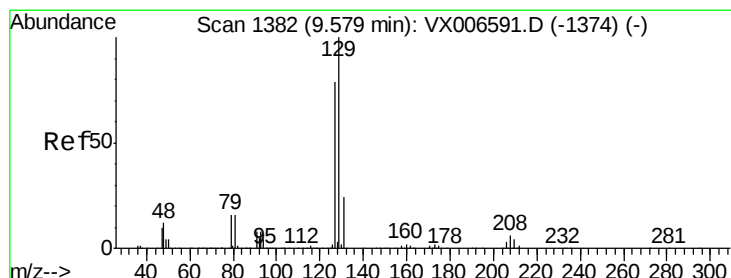
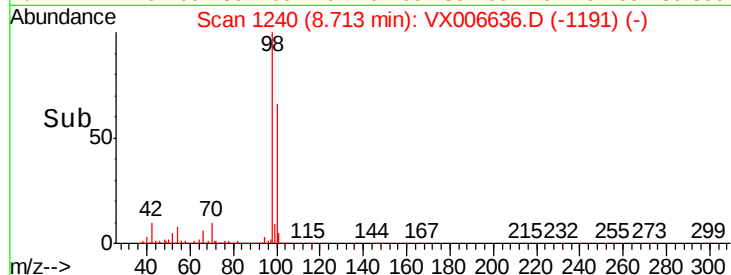
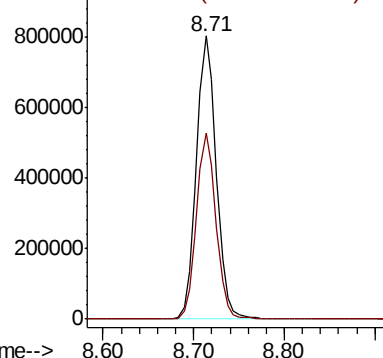
Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX006636.D (-1191) (-)



#60

Dibromochloromethane

Concen: 2.346 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX006636.D

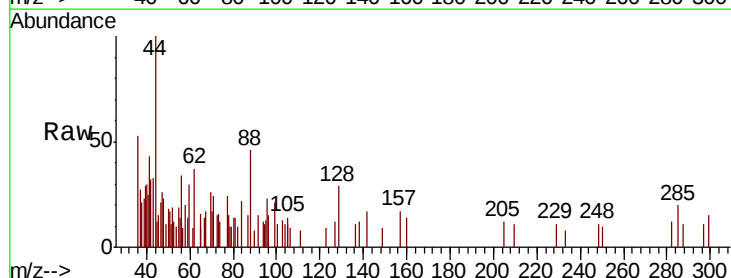
Acq: 19 Dec 2018 14:54

Tgt Ion: 129 Resp: 168

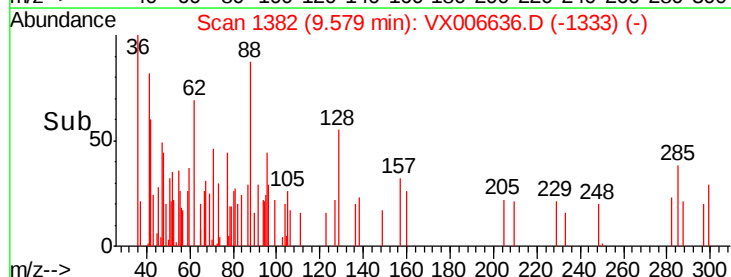
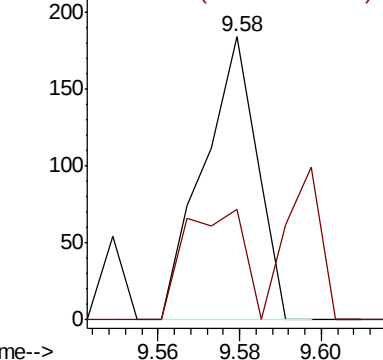
Ion Ratio Lower Upper

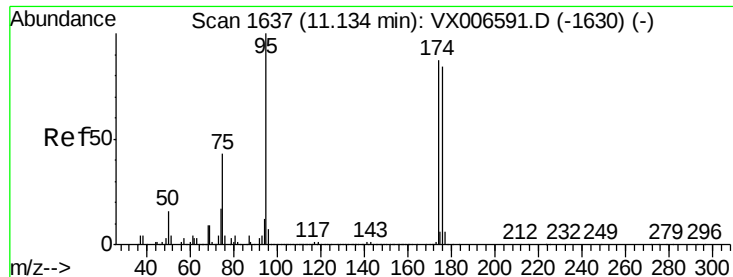
129 100

127 43.5 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): VX006636.D (-1333) (-)

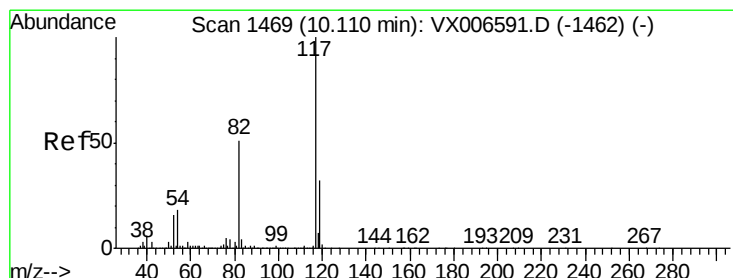
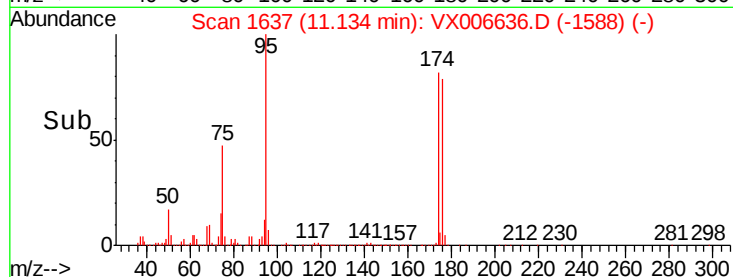
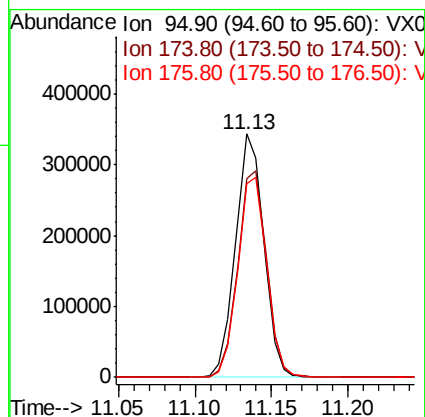
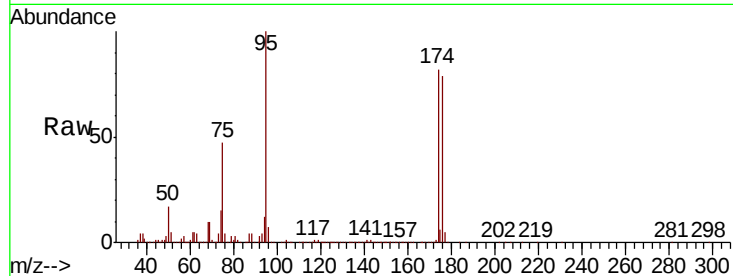




#62
4-Bromofluorobenzene
Concen: 48.004 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX006636.D
Acq: 19 Dec 2018 14:54

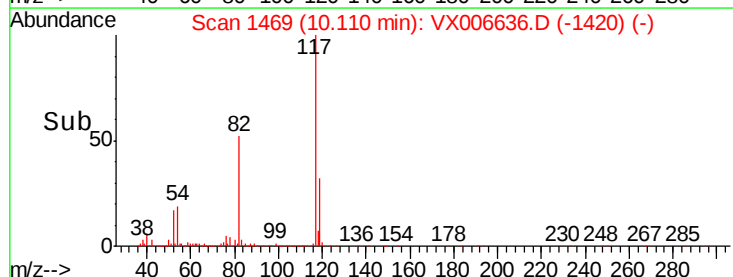
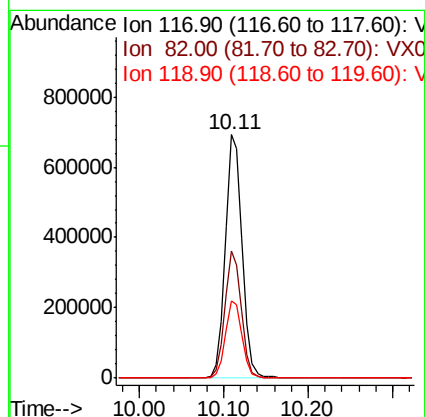
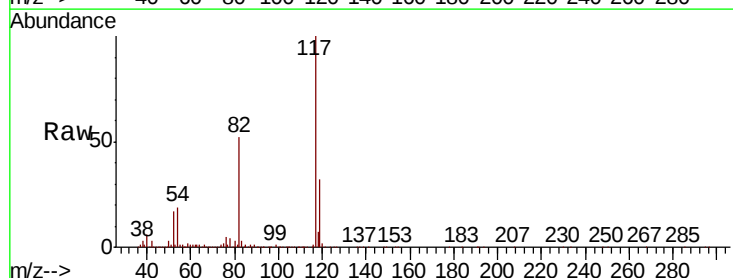
Instrument :
MSVOA_X
ClientSampleId :

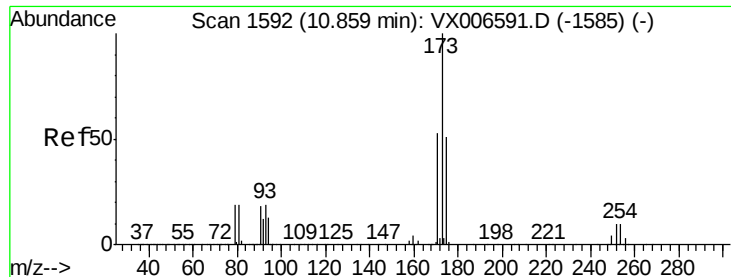
Tot Ion: 95 Resp: 440626
Ion Ratio Lower Upper
95 100
174 86.7 0.0 182.2
176 83.8 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX006636.D
Acq: 19 Dec 2018 14:54

Tgt Ion: 117 Resp: 955698
Ion Ratio Lower Upper
117 100
82 52.0 41.0 61.6
119 31.7 25.4 38.0





#71

Bromoform

Concen: 4.479 ug/l

RT: 10.85 min Scan# 1590

Delta R.T. -0.01 min

Lab File: VX006636.D

Acq: 19 Dec 2018 14:54

Instrument :

MSVOA_X

ClientSampled :

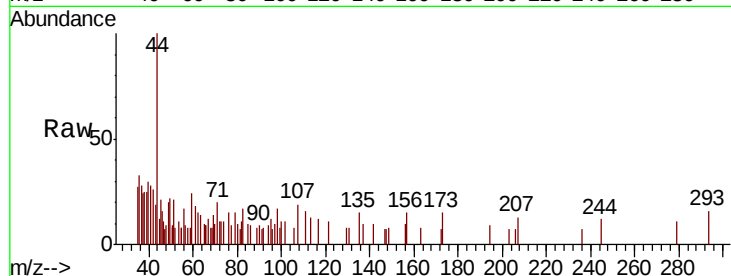
Tot Ion:173 Resp: 119

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

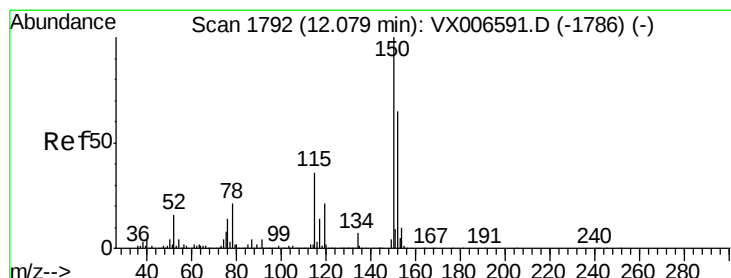
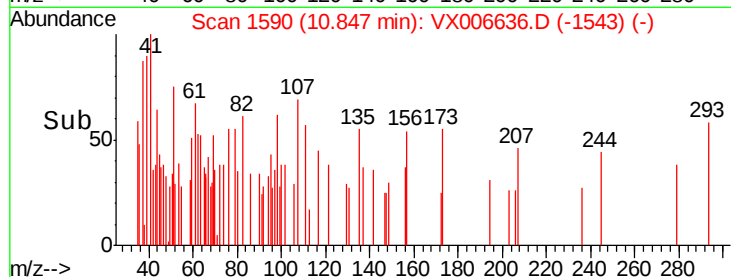
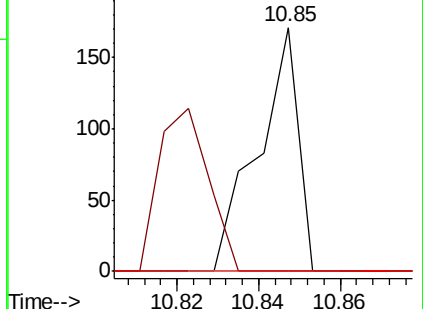
254 0.0 0.2 0.2#



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: VX006636.D

Acq: 19 Dec 2018 14:54

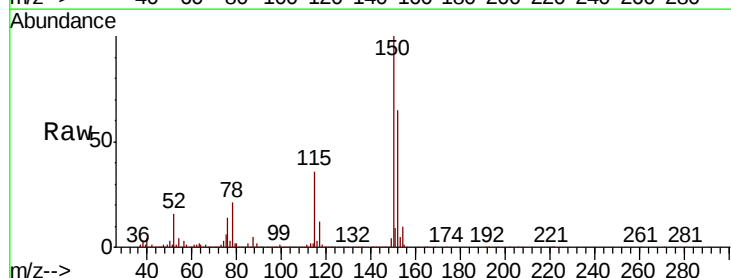
Tgt Ion:152 Resp: 452100

Ion Ratio Lower Upper

152 100

115 56.4 39.1 117.2

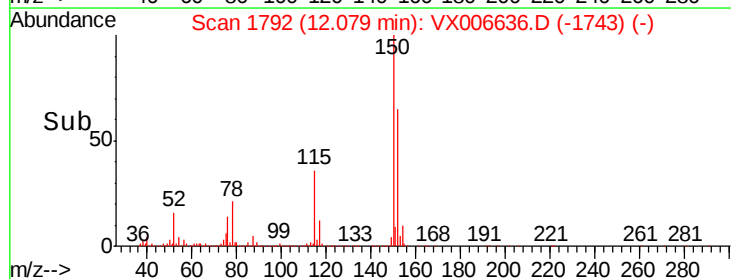
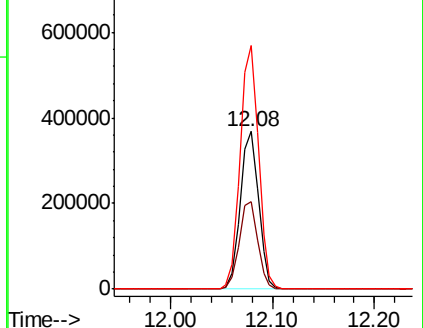
150 155.5 0.0 344.8

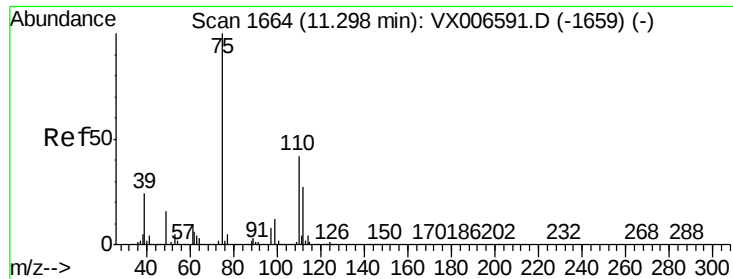


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

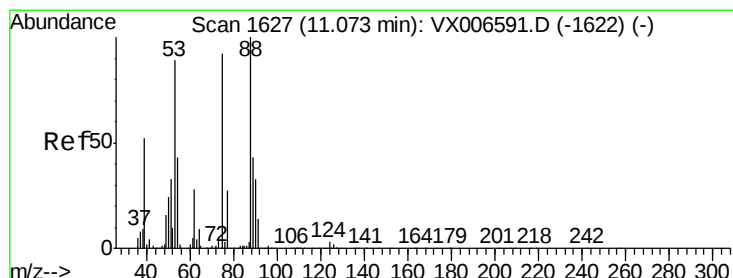
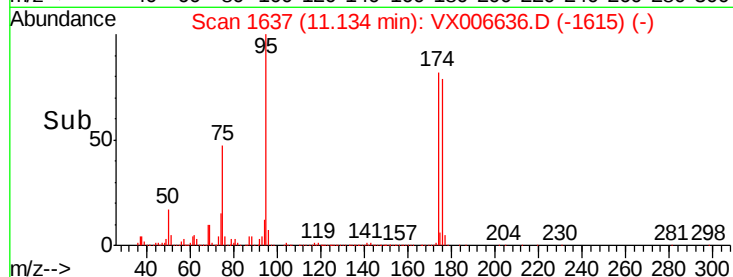
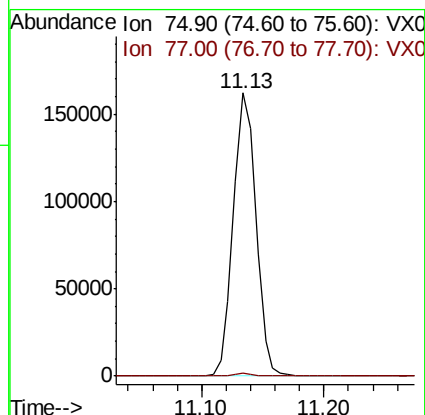
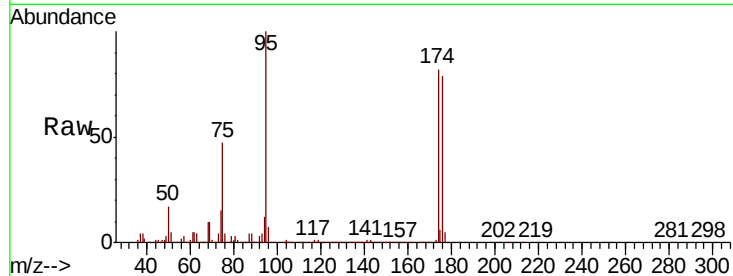




#76
 1,2,3-Trichloropropane
 Concen: 24.759 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006636.D
 Acq: 19 Dec 2018 14:54

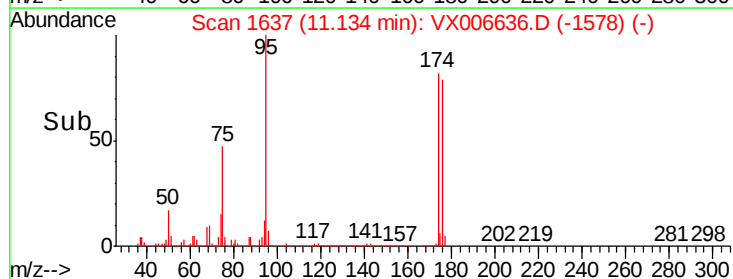
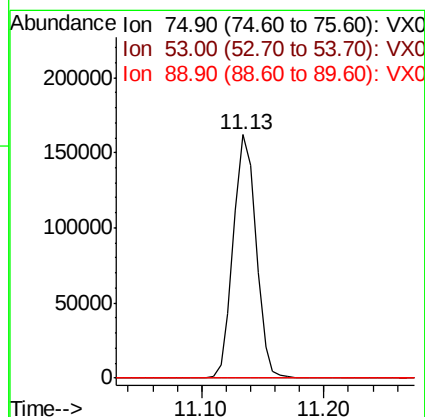
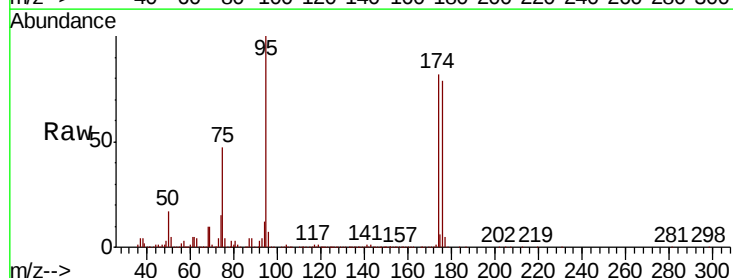
Instrument :
 MSVOA_X
 ClientSampleId :

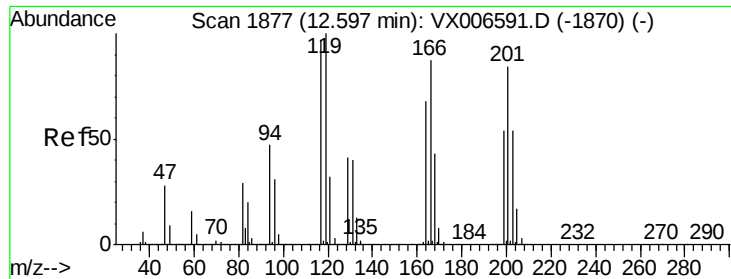
Tot Ion: 75 Resp: 208022
 Ion Ratio Lower Upper
 75 100
 77 1.0 18.5 55.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.203 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006636.D
 Acq: 19 Dec 2018 14:54

Tgt Ion: 75 Resp: 208022
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.7 119.5#
 89 0.0 38.0 57.0#





#90

Hexachloroethane

Concen: 3.320 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006636.D

Acq: 19 Dec 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:117 Resp: 125

Ion Ratio Lower Upper

117 100

201 16.0 42.9 128.7#

