

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX010219\
 Data File : VX006872.D
 Acq On : 02 Jan 2019 10:58
 Operator : JC/MD
 Sample : VX0102WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0102WBL01

Quant Time: Jan 03 00:08:11 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	5.66	168	703329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1037329	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	948598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	466992	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	355553	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	
35) Dibromofluoromethane	5.50	113	322717	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
50) Toluene-d8	8.71	98	1213035	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	11.13	95	431861	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	

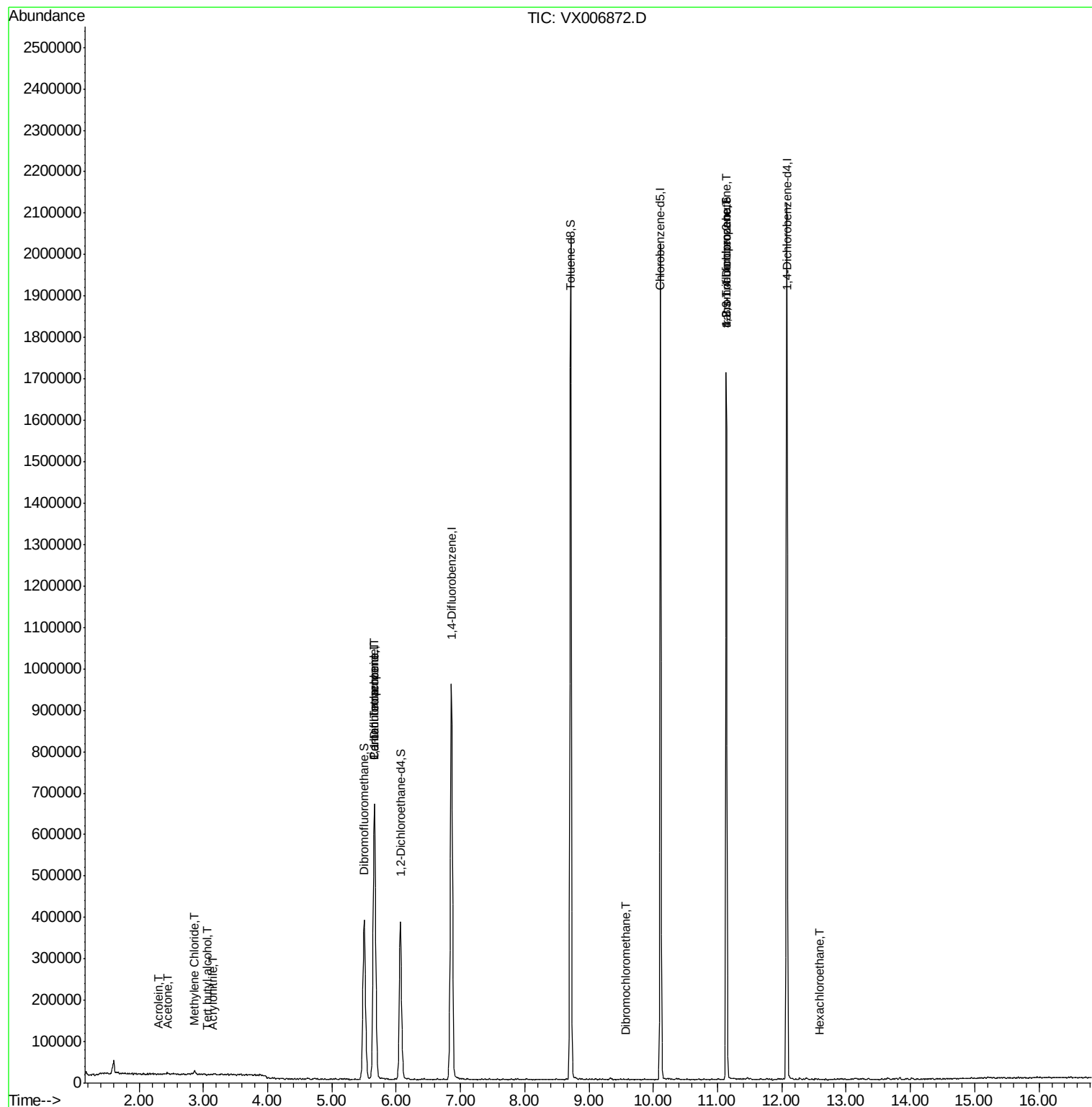
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	564	Below Cal	#	62
11) Tert butyl alcohol	3.06	59	487	0.288	ug/l #	72
13) Acrolein	2.31	56	407	0.357	ug/l #	1
15) Acrylonitrile	3.14	53	938	0.250	ug/l	96
16) Acetone	2.45	43	1335	0.383	ug/l #	75
20) Methylene Chloride	2.86	84	4644	0.645	ug/l #	91
28) Bromochloromethane	5.01	49	328	Below Cal	#	79
36) 1,1-Dichloropropene	5.66	75	44392	5.167	ug/l #	48
38) Carbon Tetrachloride	5.66	117	63054	7.552	ug/l #	14
49) 1,4-Dioxane	7.74	88	209	Below Cal	#	1
60) Dibromochloromethane	9.57	129	166	2.346	ug/l	68
76) 1,2,3-Trichloropropane	11.13	75	208475	24.022	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	208475	71.149	ug/l #	10
90) Hexachloroethane	12.58	117	45	3.303	ug/l	80

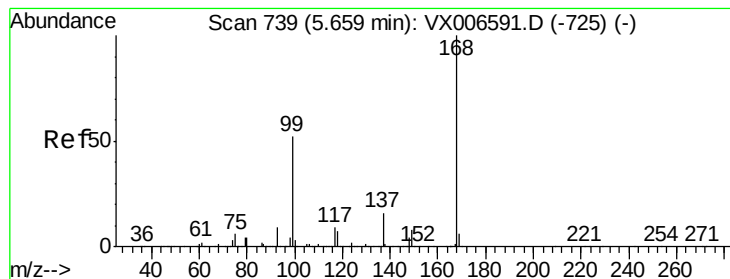
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006872.D

Acq: 02 Jan 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

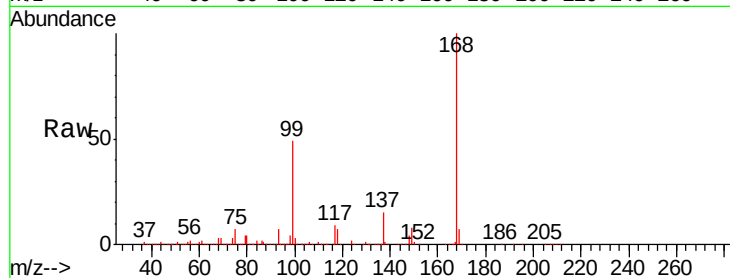
VX0102WBL01

Tgt Ion:168 Resp: 703329

Ion Ratio Lower Upper

168 100

99 48.9 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

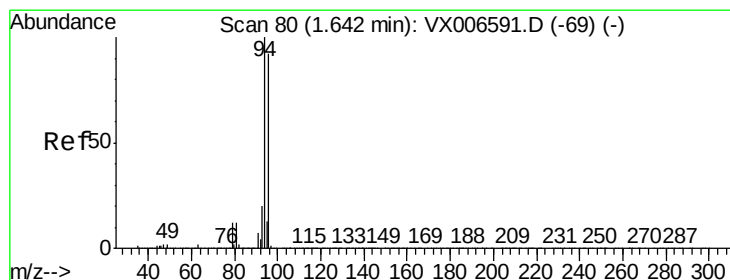
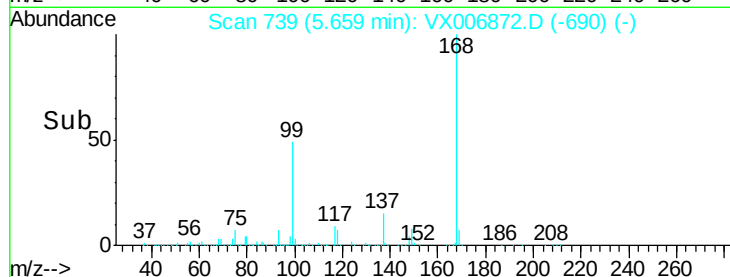
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX006872.D

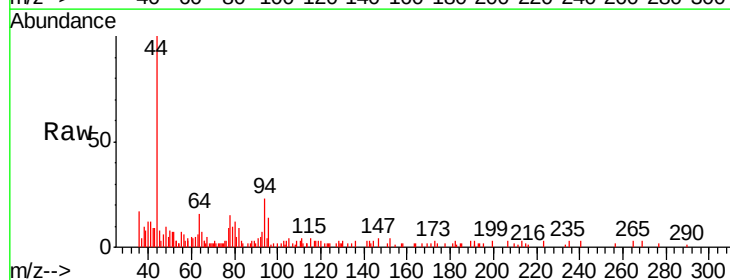
Acq: 02 Jan 2019 10:58

Tgt Ion: 94 Resp: 564

Ion Ratio Lower Upper

94 100

96 55.6 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

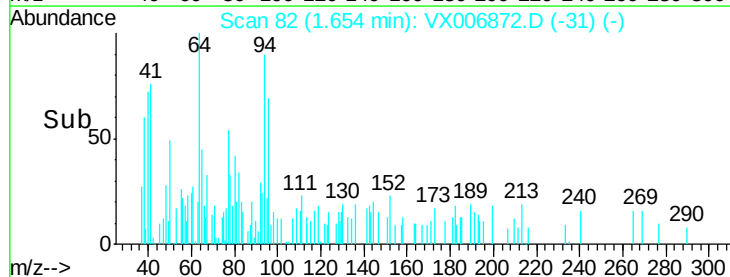
600

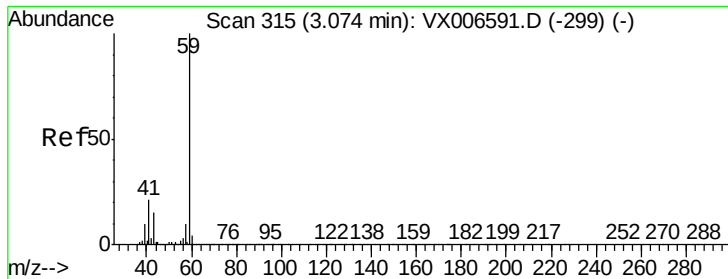
400

200

0

Time-->



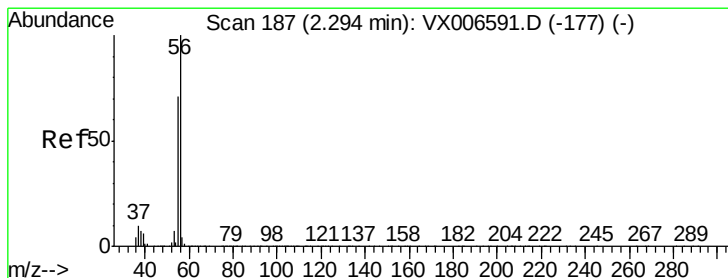
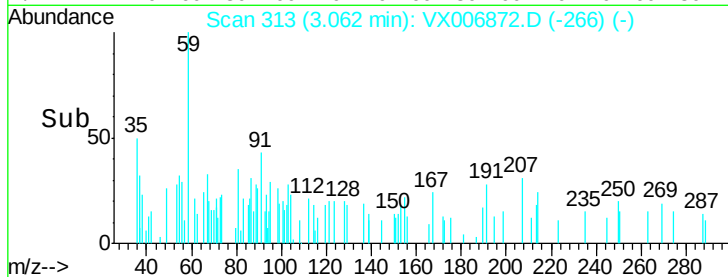
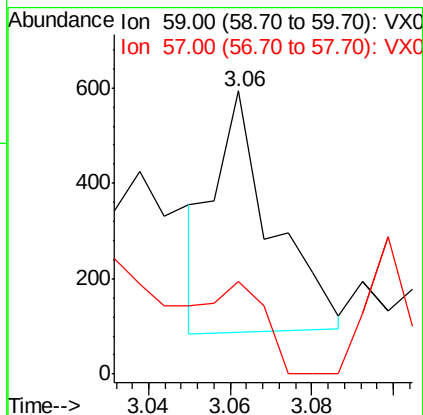
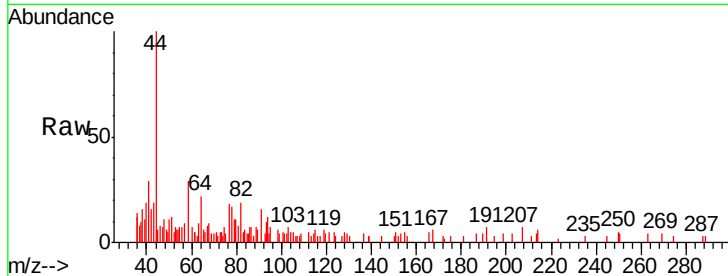


#11

Tert butyl alcohol
Concen: 0.288 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX006872.D
Acq: 02 Jan 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
VX0102WBL01

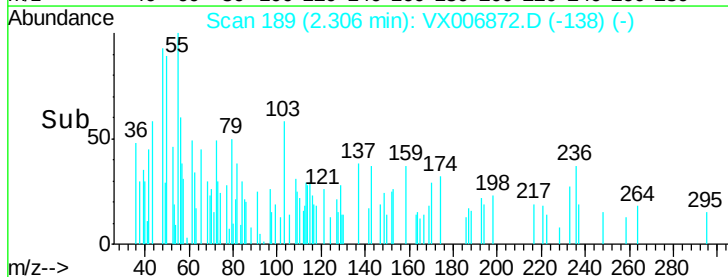
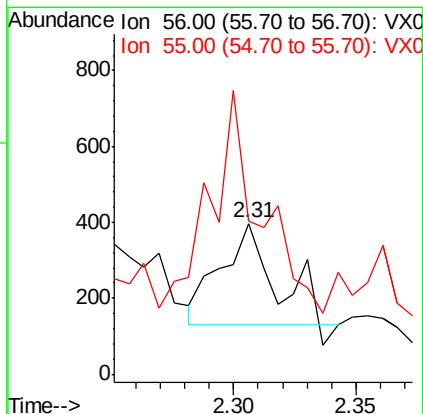
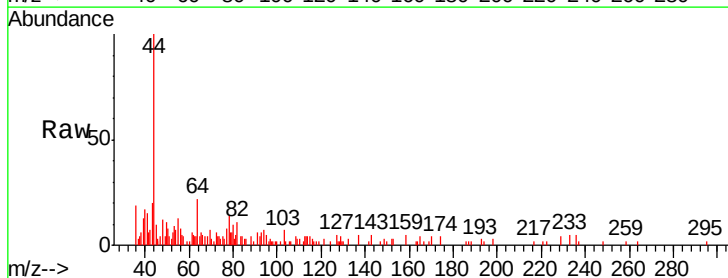
Tgt Ion: 59 Resp: 487
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

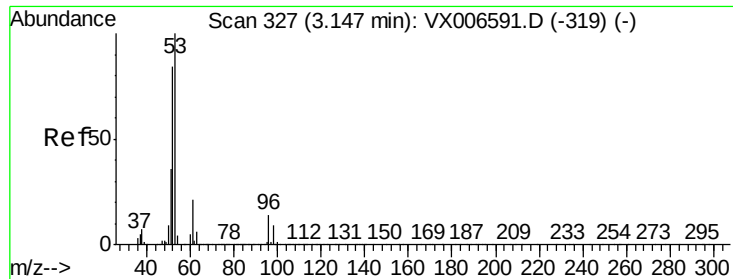


#13

Acrolein
Concen: 0.357 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX006872.D
Acq: 02 Jan 2019 10:58

Tgt Ion: 56 Resp: 407
Ion Ratio Lower Upper
56 100
55 204.4 58.2 87.4#

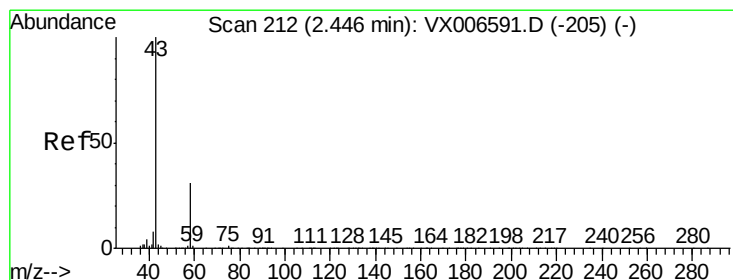
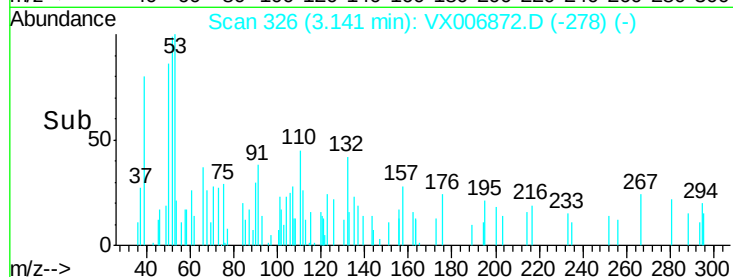
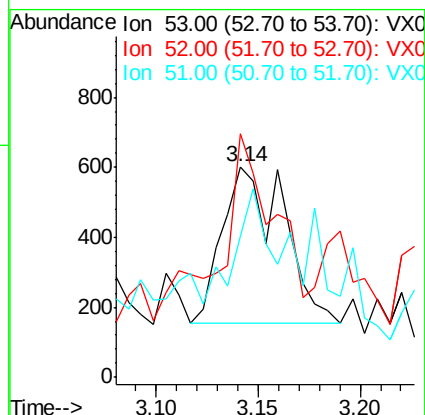
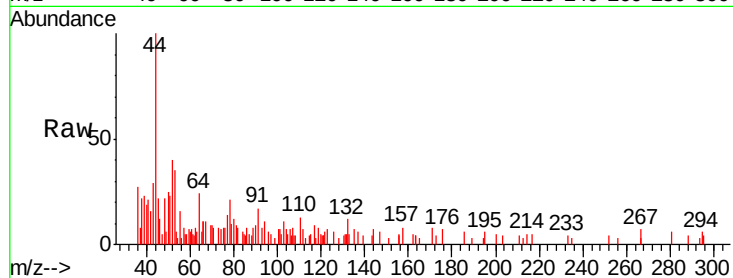




#15
Acrylonitrile
Concen: 0.250 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.01 min
Lab File: VX006872.D
Acq: 02 Jan 2019 10:58

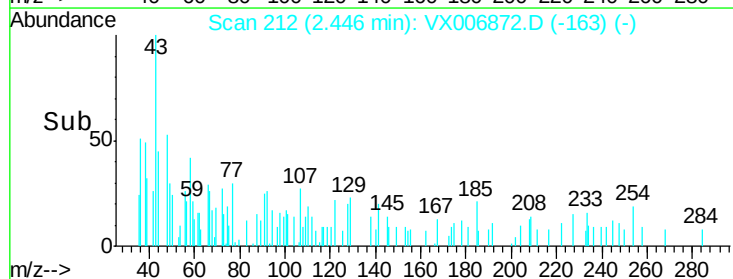
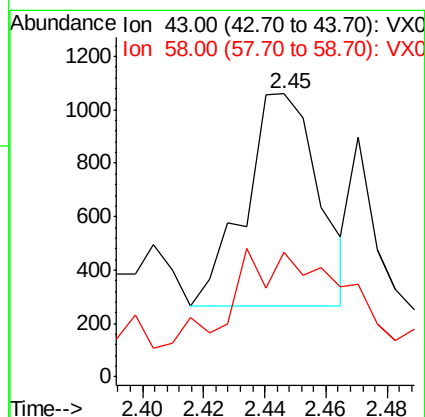
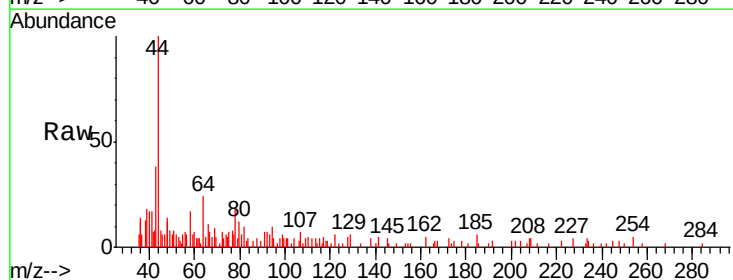
Instrument :
MSVOA_X
ClientSampleId :
VX0102WBL01

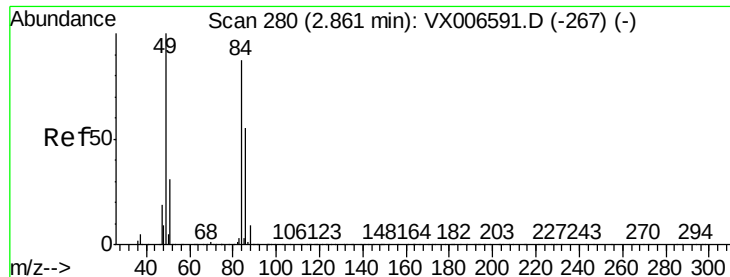
Tgt Ion: 53 Resp: 938
Ion Ratio Lower Upper
53 100
52 85.6 66.0 99.0
51 37.8 28.6 42.8



#16
Acetone
Concen: 0.383 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006872.D
Acq: 02 Jan 2019 10:58

Tgt Ion: 43 Resp: 1335
Ion Ratio Lower Upper
43 100
58 17.4 25.0 37.6#

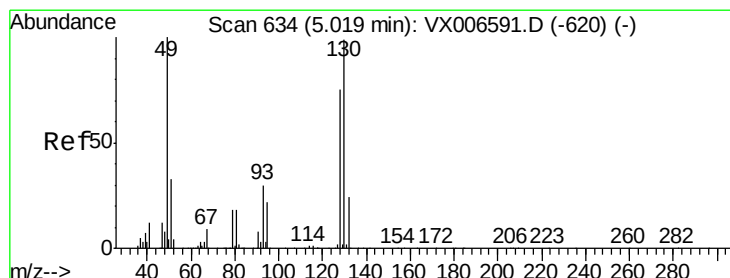
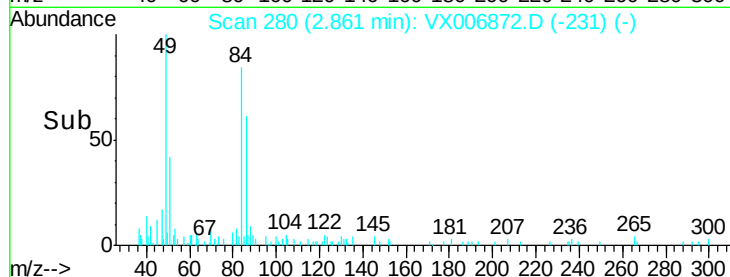
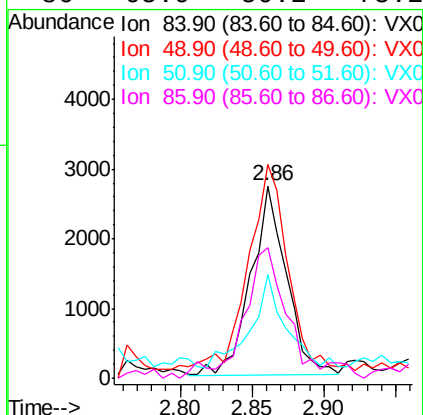
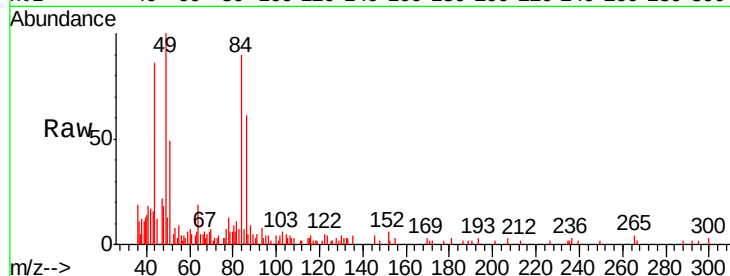




#20
Methylene Chloride
Concen: 0.645 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006872.D
Acq: 02 Jan 2019 10:58

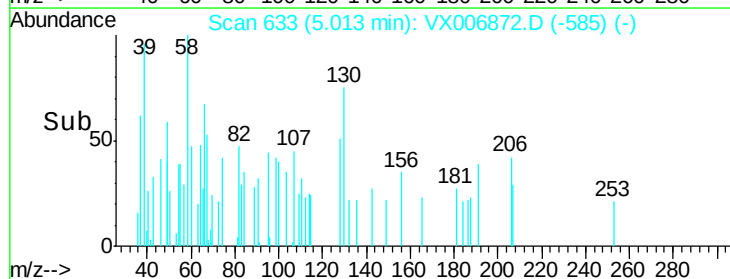
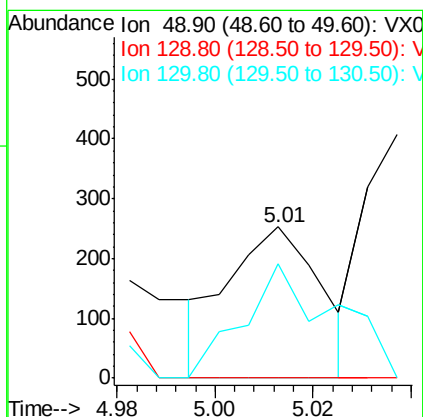
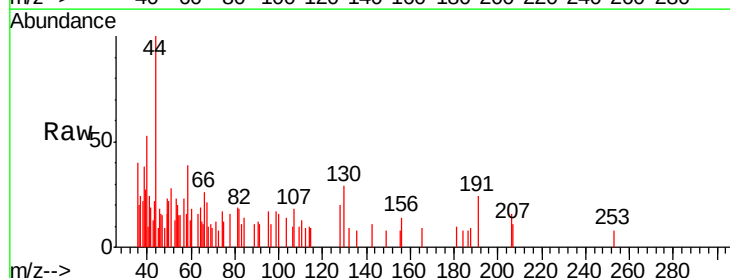
Instrument :
MSVOA_X
ClientSampleId :
VX0102WBL01

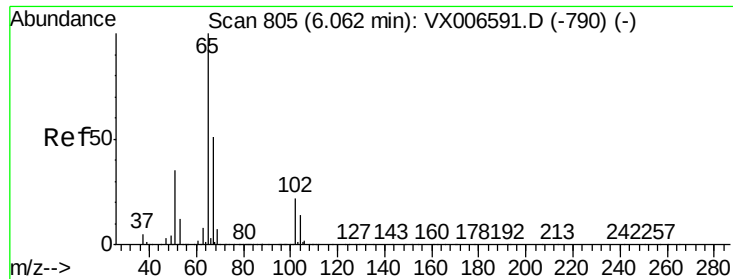
Tgt Ion:	84	Resp:	4644
Ion	Ratio	Lower	Upper
84	100		
49	107.5	91.8	137.6
51	49.3	28.5	42.7#
86	65.9	50.2	75.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006872.D
Acq: 02 Jan 2019 10:58

Tgt Ion:	49	Resp:	328
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	75.6	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 46.906 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX006872.D

Acq: 02 Jan 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

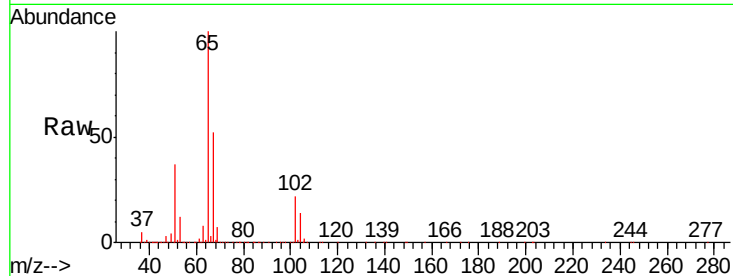
VX0102WBL01

Tgt Ion: 65 Resp: 355553

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

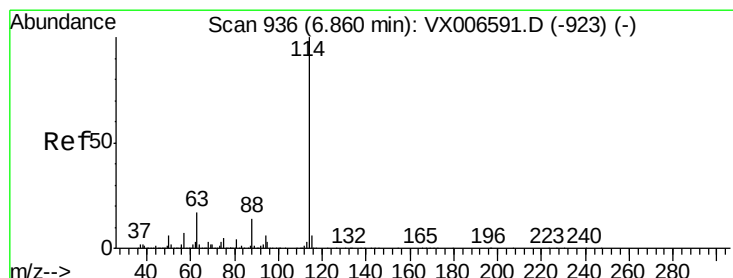
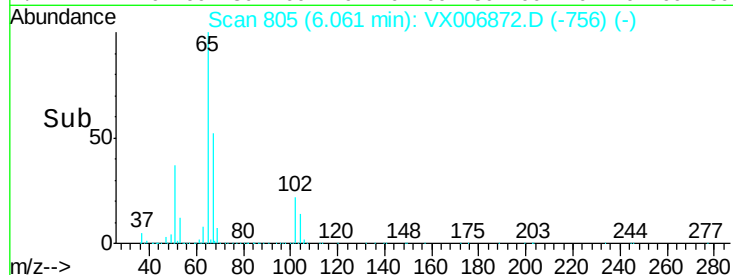
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006872.D

Acq: 02 Jan 2019 10:58

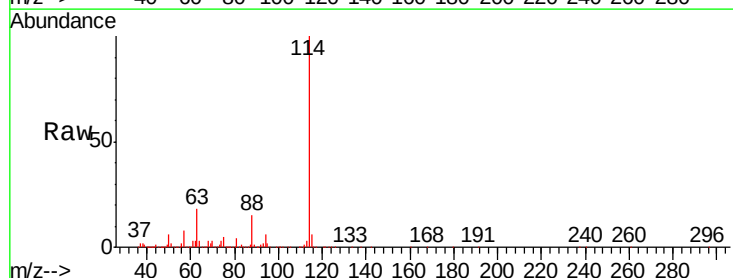
Tgt Ion: 114 Resp: 1037329

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.8

88 14.5 0.0 28.8



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

6.86

600000

500000

400000

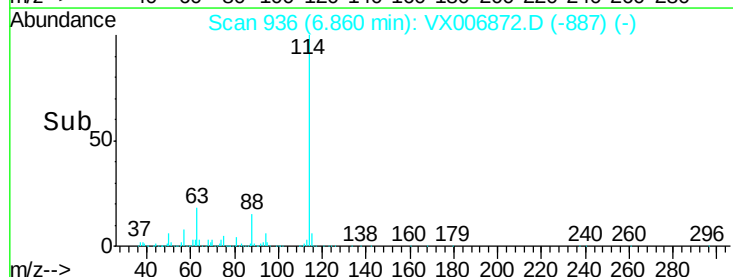
300000

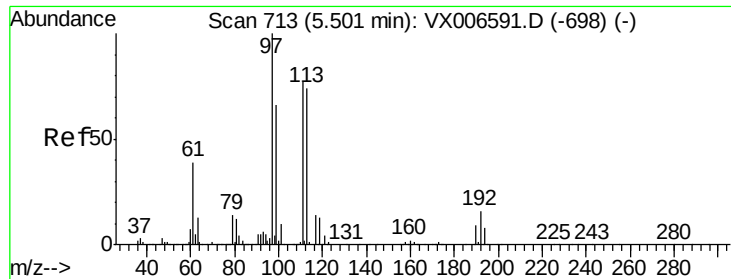
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 49.196 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006872.D

Acq: 02 Jan 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VX0102WBL01

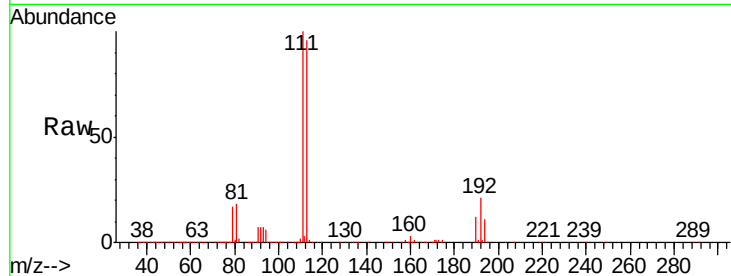
Tgt Ion:113 Resp: 322717

Ion Ratio Lower Upper

113 100

111 101.3 81.6 122.4

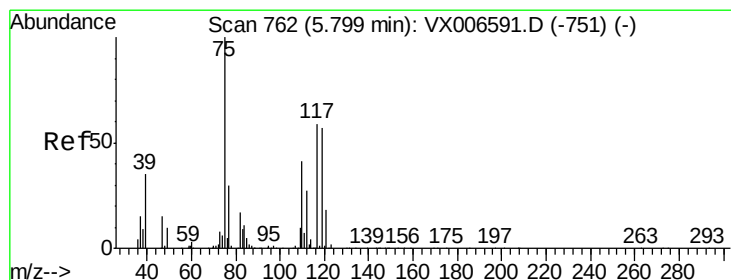
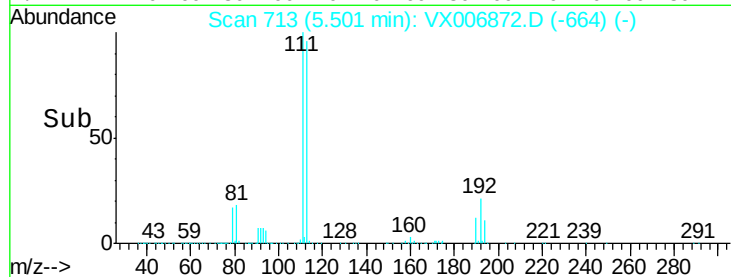
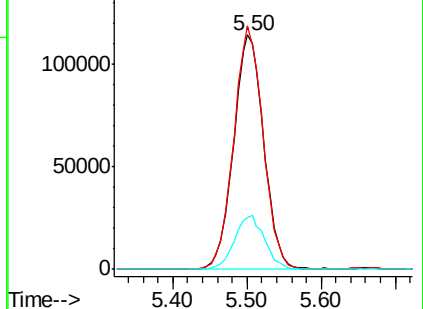
192 23.0 16.7 25.1



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: 5.167 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006872.D

Acq: 02 Jan 2019 10:58

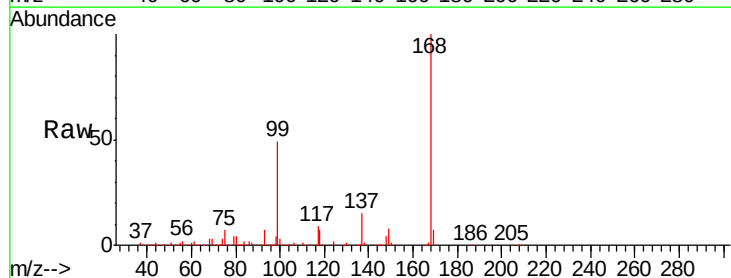
Tgt Ion: 75 Resp: 44392

Ion Ratio Lower Upper

75 100

110 10.5 20.2 60.5#

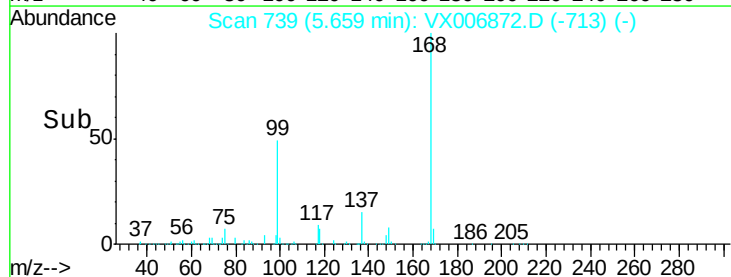
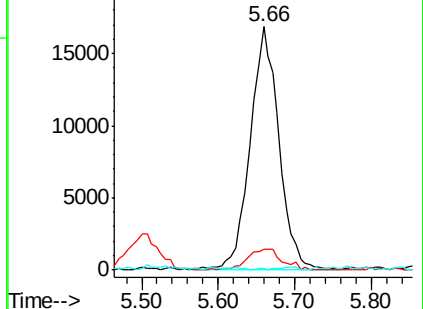
77 0.2 24.8 37.2#

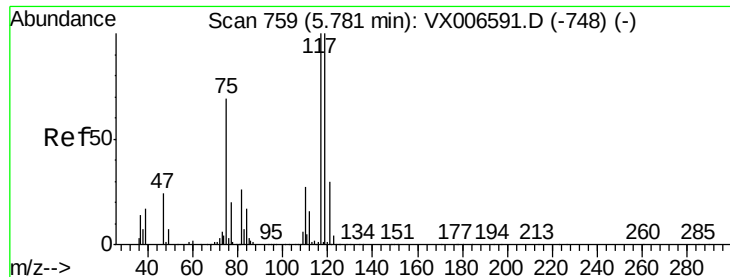


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.552 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006872.D

Acq: 02 Jan 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VX0102WBL01

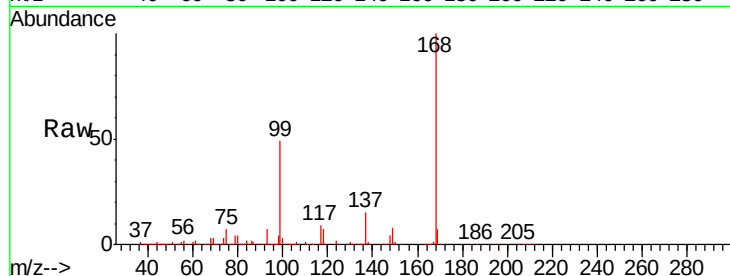
Tgt Ion: 117 Resp: 63054

Ion Ratio Lower Upper

117 100

119 4.4 79.4 119.2#

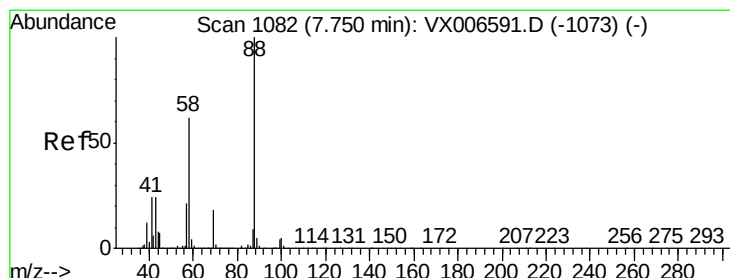
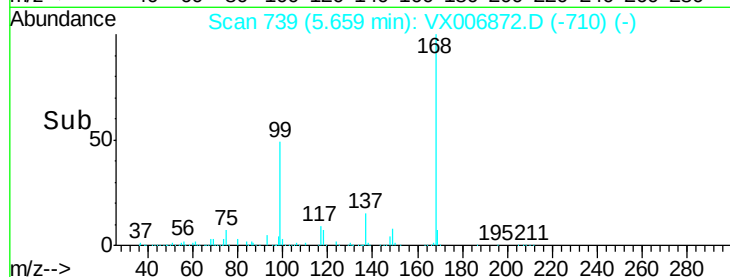
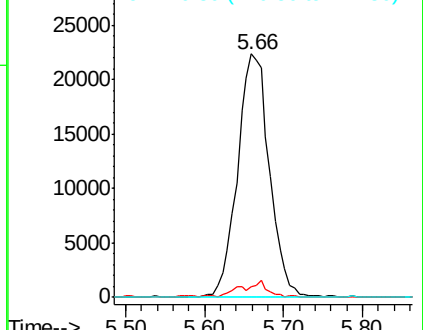
121 0.0 24.0 36.0#



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: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX006872.D

Acq: 02 Jan 2019 10:58

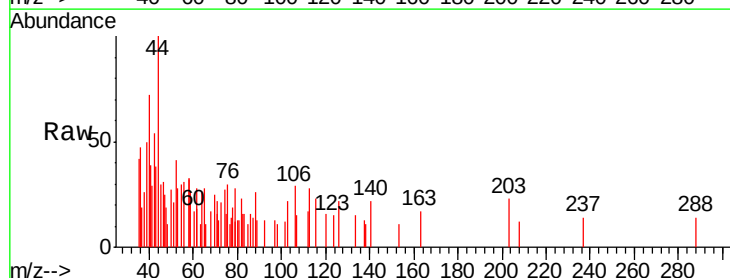
Tgt Ion: 88 Resp: 209

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

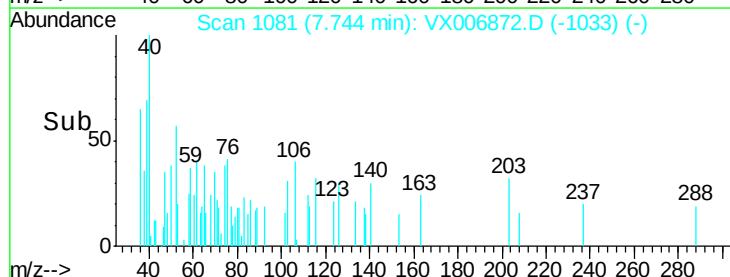
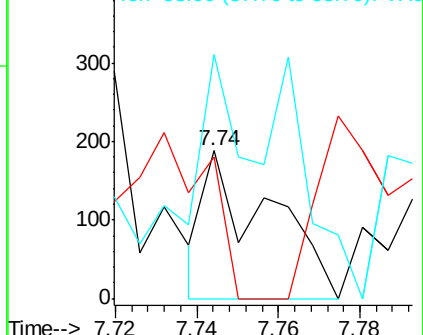
58 237.8 51.0 76.4#

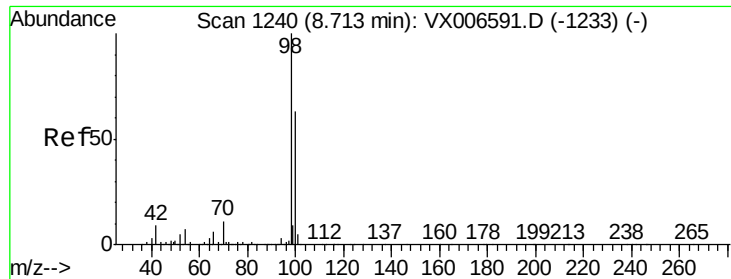


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.049 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006872.D

Acq: 02 Jan 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

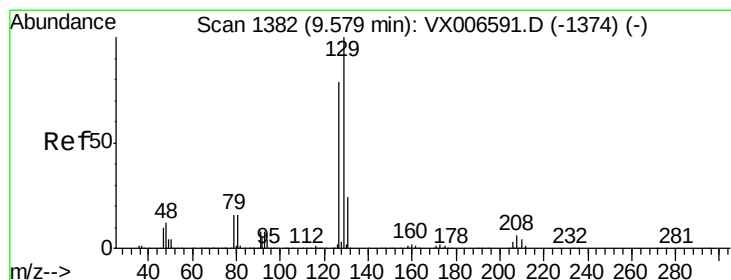
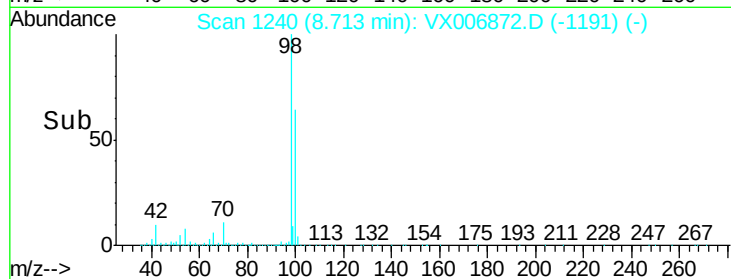
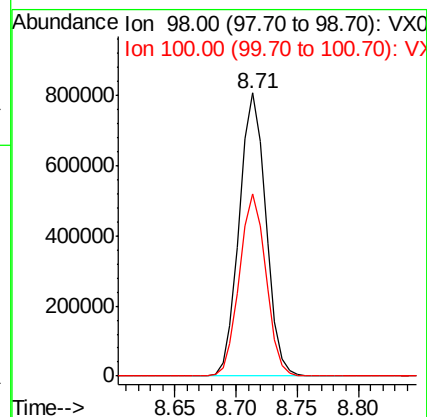
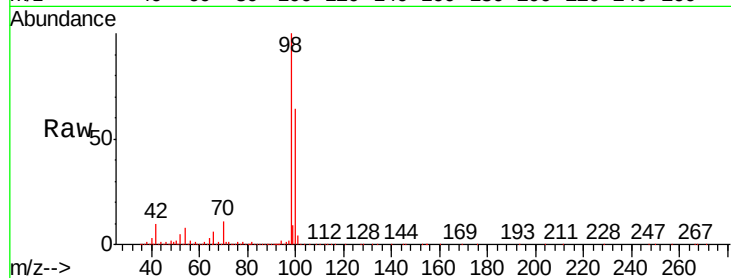
VX0102WBL01

Tgt Ion: 98 Resp: 1213035

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



#60

Dibromochloromethane

Concen: 2.346 ug/l

RT: 9.57 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VX006872.D

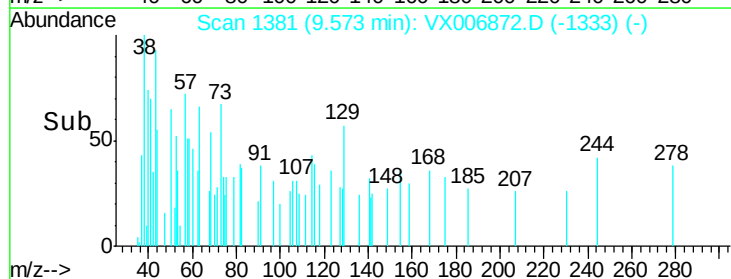
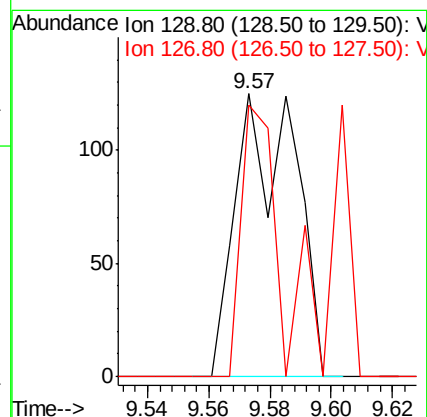
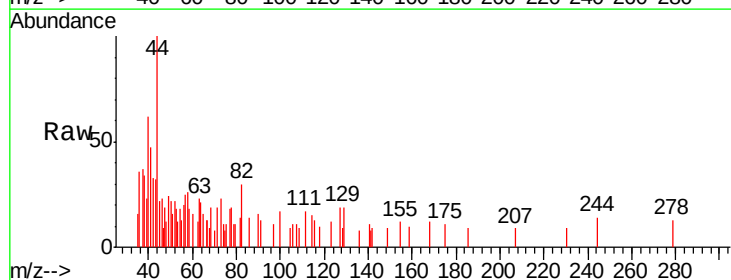
Acq: 02 Jan 2019 10:58

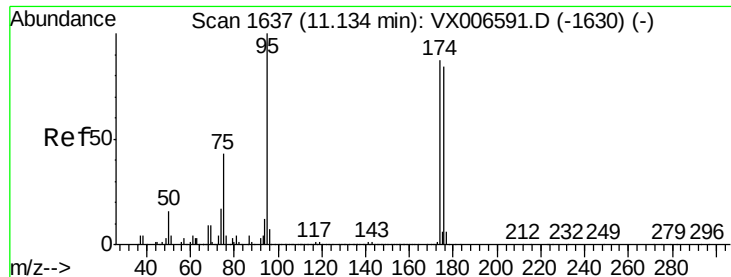
Tgt Ion: 129 Resp: 166

Ion Ratio Lower Upper

129 100

127 50.6 39.3 117.8





#62

4-Bromofluorobenzene

Concen: 47.680 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006872.D

Acq: 02 Jan 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VX0102WBL01

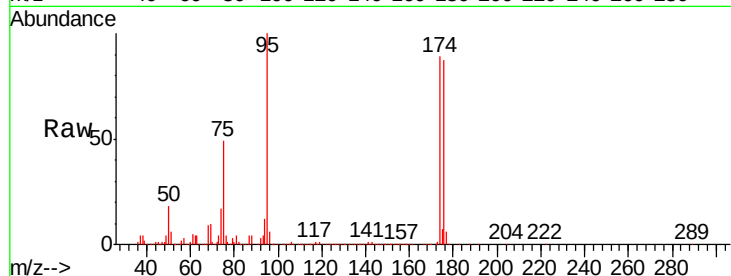
Tgt Ion: 95 Resp: 431861

Ion Ratio Lower Upper

95 100

174 93.8 0.0 182.2

176 91.3 0.0 178.8

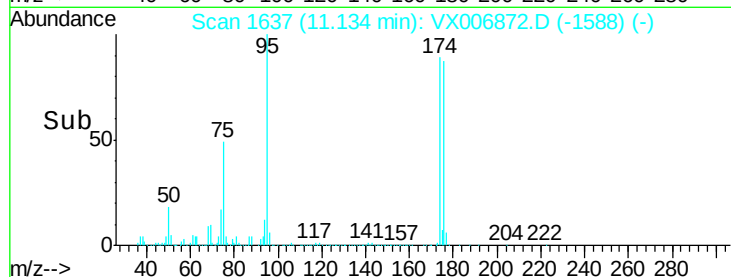


Abundance Ion 94.90 (94.60 to 95.60): VX006591.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX006591.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX006591.D (-1630) (-)

Time-->

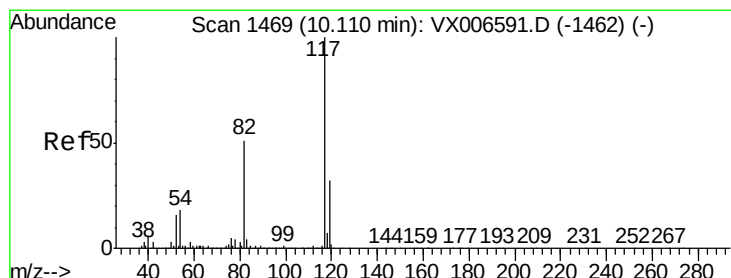


Abundance Ion 94.90 (94.60 to 95.60): VX006872.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX006872.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX006872.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX006872.D

Acq: 02 Jan 2019 10:58

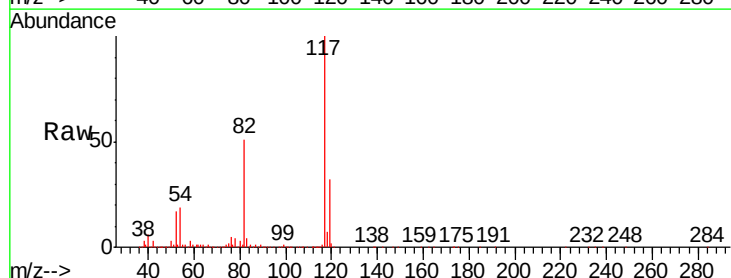
Tgt Ion: 117 Resp: 948598

Ion Ratio Lower Upper

117 100

82 51.0 41.0 61.6

119 31.9 25.4 38.0

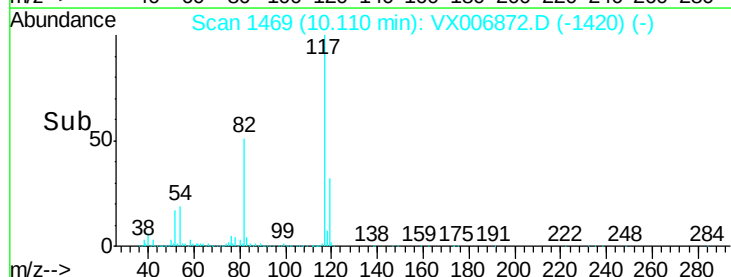


Abundance Ion 116.90 (116.60 to 117.60): VX006591.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006591.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006591.D (-1462) (-)

Time-->

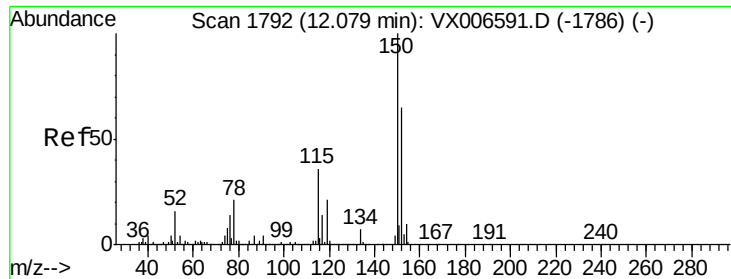


Abundance Ion 116.90 (116.60 to 117.60): VX006872.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX006872.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX006872.D (-1420) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006872.D

Acq: 02 Jan 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

VX0102WBL01

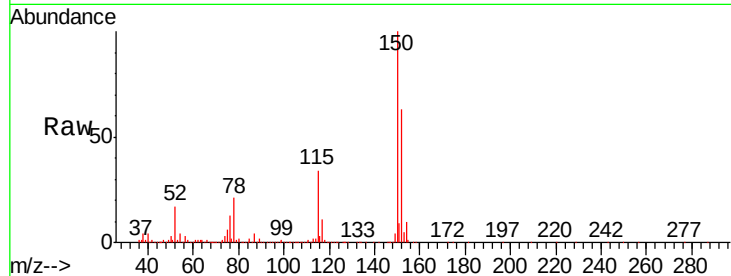
Tgt Ion:152 Resp: 466992

Ion Ratio Lower Upper

152 100

115 54.4 39.1 117.2

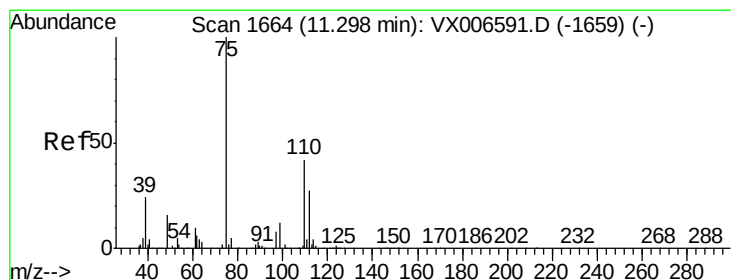
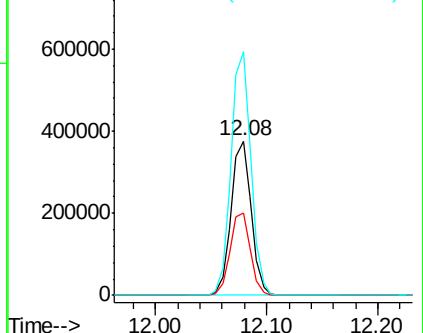
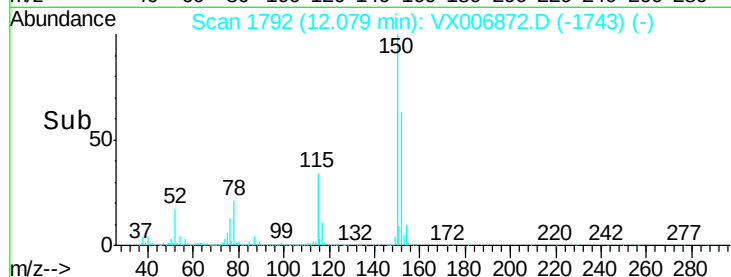
150 157.1 0.0 344.8



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: 24.022 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006872.D

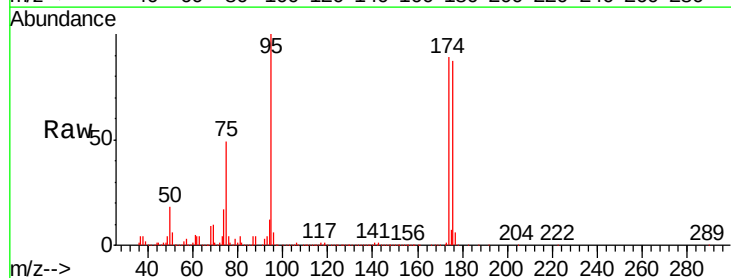
Acq: 02 Jan 2019 10:58

Tgt Ion: 75 Resp: 208475

Ion Ratio Lower Upper

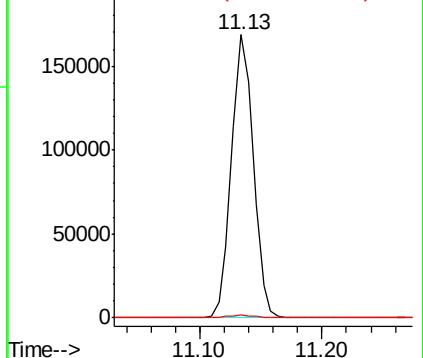
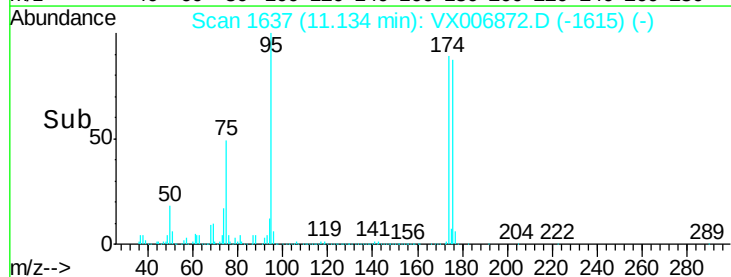
75 100

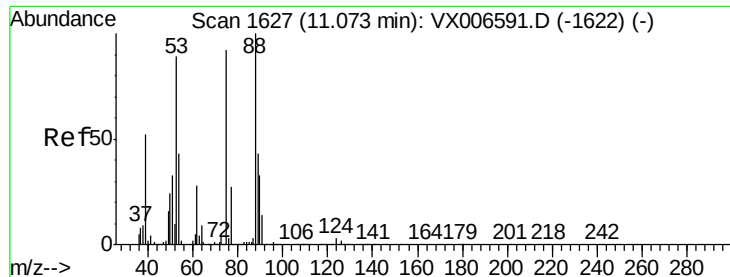
77 1.1 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

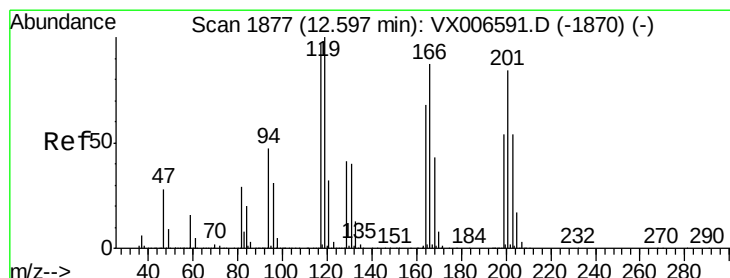
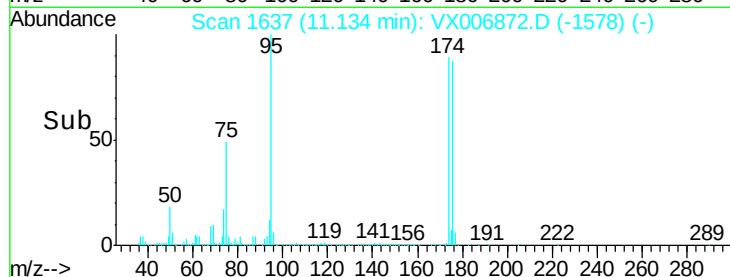
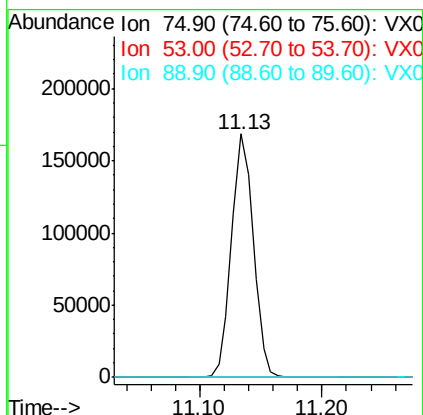
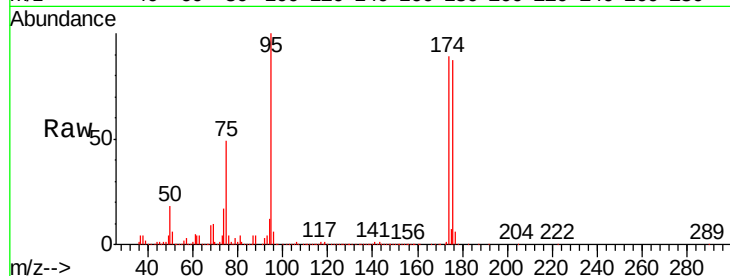




#81
trans-1,4-Dichloro-2-butene
Concen: 71.149 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006872.D
Acq: 02 Jan 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
VX0102WBL01

Tgt Ion: 75 Resp: 208475
Ion Ratio Lower Upper
75 100
53 0.2 79.7 119.5#
89 0.0 38.0 57.0#



#90
Hexachloroethane
Concen: 3.303 ug/l
RT: 12.58 min Scan# 1874
Delta R.T. -0.02 min
Lab File: VX006872.D
Acq: 02 Jan 2019 10:58

Tgt Ion: 117 Resp: 45
Ion Ratio Lower Upper
117 100
201 104.4 42.9 128.7

