

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121418\
 Data File : VX006541.D
 Acq On : 15 Dec 2018 03:54
 Operator : JC/MD
 Sample : J6398-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 04:42:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	654566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1041806	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	947972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	445385	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	354739	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
35) Dibromofluoromethane	5.50	113	310019	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	
50) Toluene-d8	8.71	98	1231034	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.13	95	449739	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	

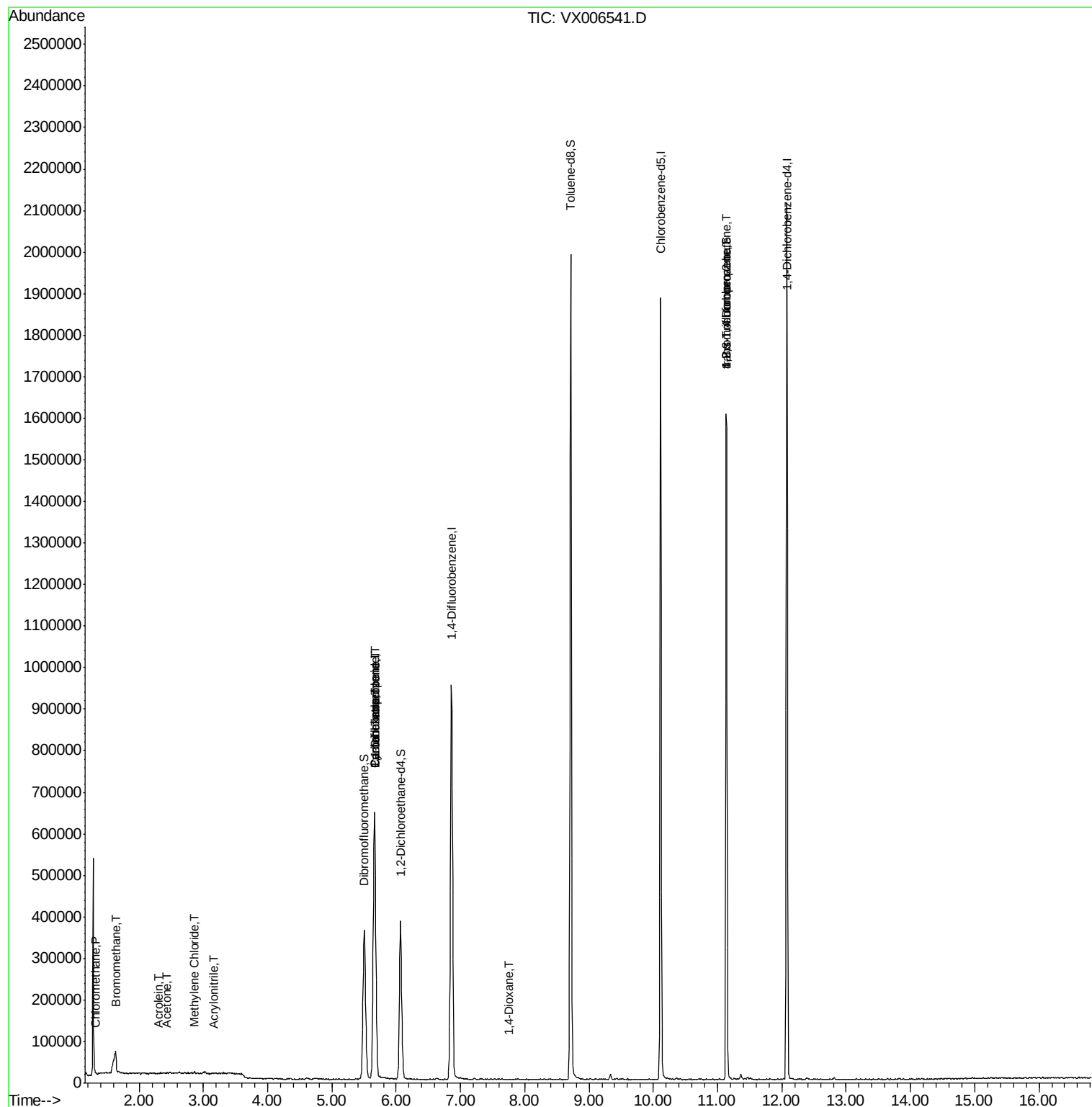
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1488	0.226	ug/l #	82
5) Bromomethane	1.64	94	4292	0.874	ug/l	89
13) Acrolein	2.29	56	243	0.243	ug/l #	44
15) Acrylonitrile	3.15	53	848	0.222	ug/l #	38
16) Acetone	2.44	43	1840	0.587	ug/l	93
20) Methylene Chloride	2.86	84	1791	0.268	ug/l #	72
31) Cyclohexane	5.66	56	10992	1.139	ug/l #	5
36) 1,1-Dichloropropene	5.67	75	43517	4.960	ug/l #	49
38) Carbon Tetrachloride	5.67	117	61285	5.938	ug/l #	17
49) 1,4-Dioxane	7.75	88	99	0.504	ug/l #	27
76) 1,2,3-Trichloropropane	11.13	75	207660	24.156	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	207660	56.687	ug/l #	15

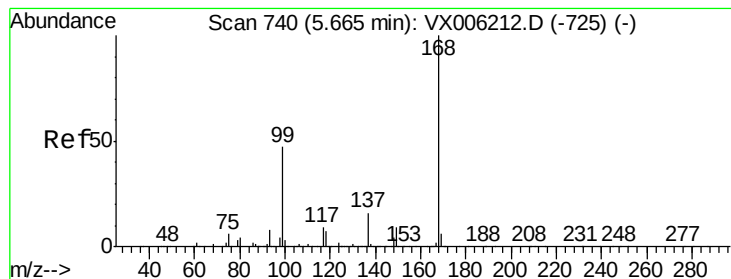
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006541.D

Acq: 15 Dec 2018 03:54

Instrument :

MSVOA_X

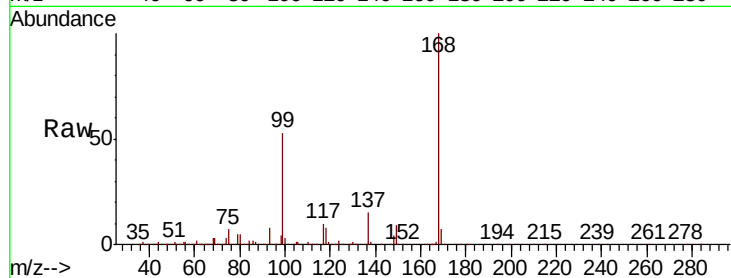
ClientSampleId :

Tot Ion:168 Resp: 654566

Ion Ratio Lower Upper

168 100

99 53.1 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

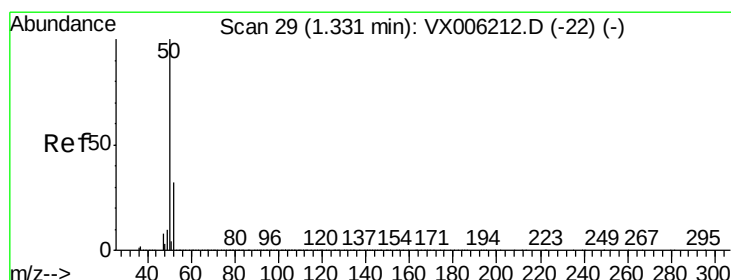
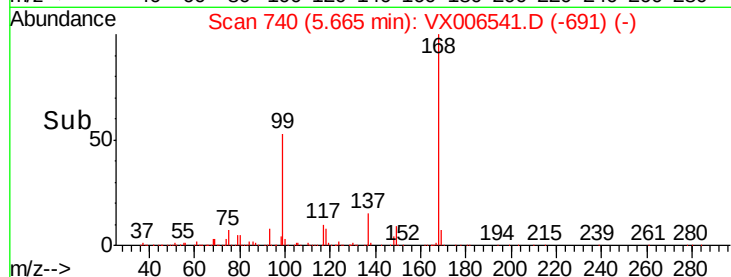
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.226 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006541.D

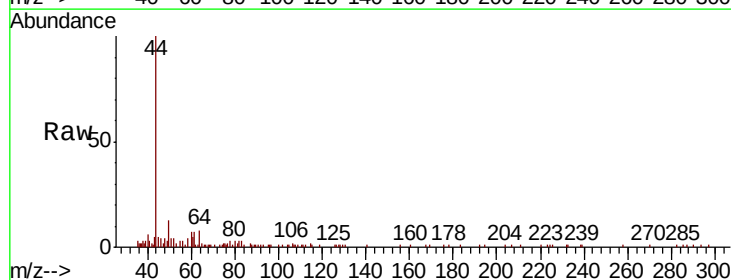
Acq: 15 Dec 2018 03:54

Tgt Ion: 50 Resp: 1488

Ion Ratio Lower Upper

50 100

52 21.5 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1200

1000

800

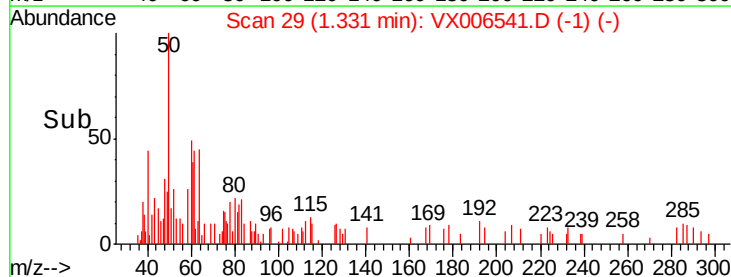
600

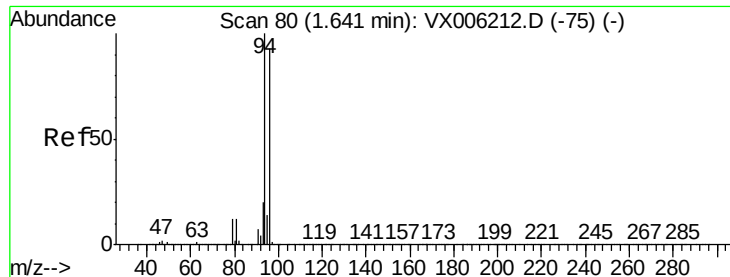
400

200

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.874 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006541.D

Acq: 15 Dec 2018 03:54

Instrument :

MSVOA_X

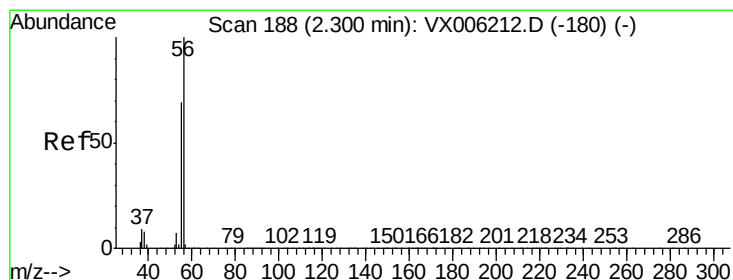
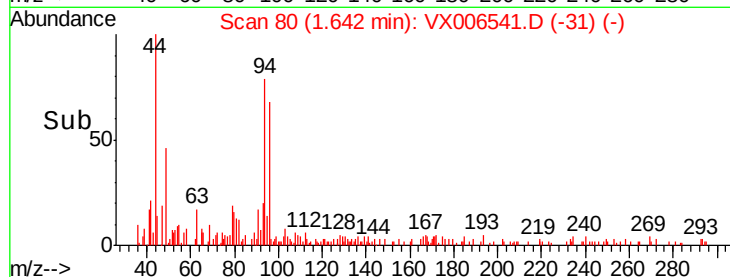
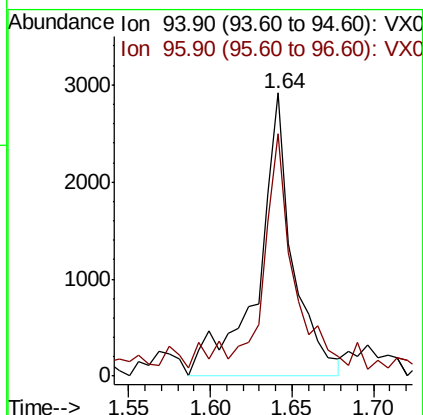
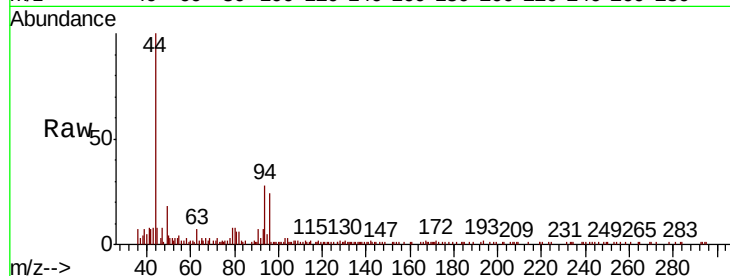
ClientSampleId :

Tot Ion: 94 Resp: 4292

Ion Ratio Lower Upper

94 100

96 82.7 74.5 111.7



#13

Acrolein

Concen: 0.243 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX006541.D

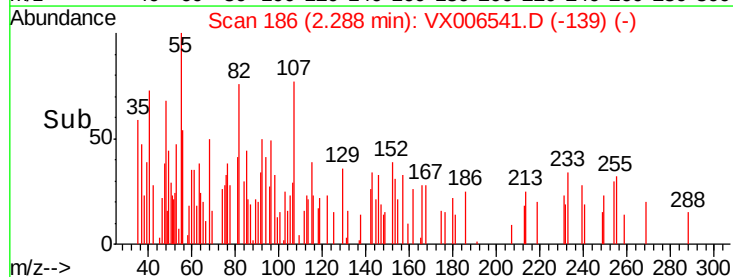
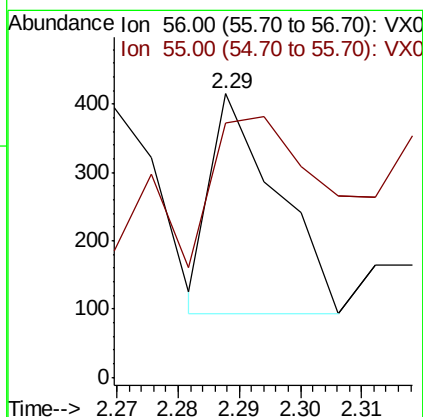
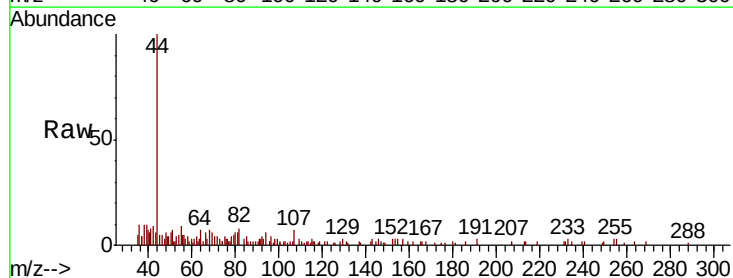
Acq: 15 Dec 2018 03:54

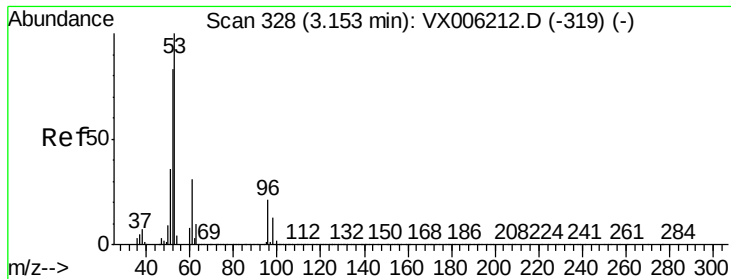
Tgt Ion: 56 Resp: 243

Ion Ratio Lower Upper

56 100

55 118.9 57.8 86.6#





#15

Acrylonitrile

Concen: 0.222 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX006541.D

Acq: 15 Dec 2018 03:54

Instrument :
MSVOA_X
ClientSampleId :

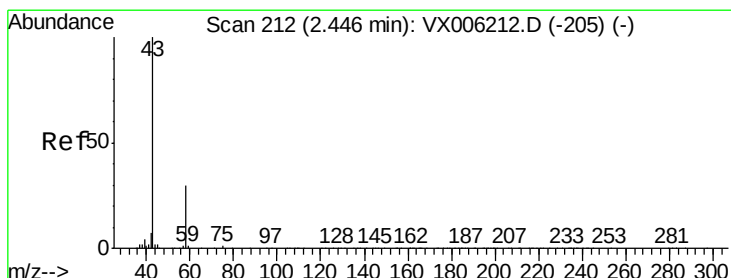
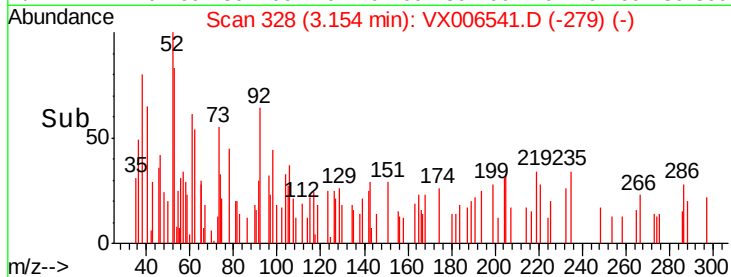
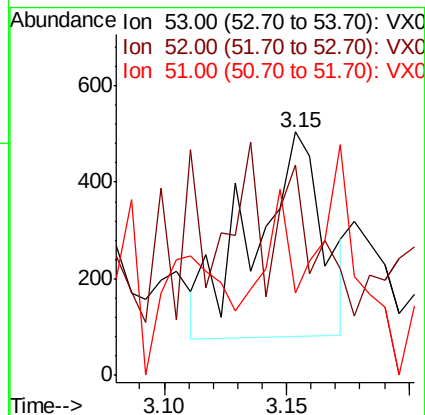
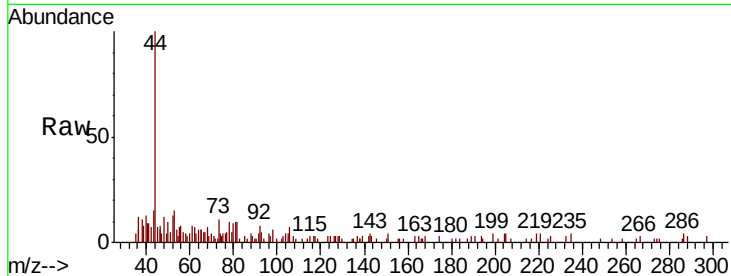
Tot Ion: 53 Resp: 848

Ion Ratio Lower Upper

53 100

52 14.5 66.2 99.4#

51 18.2 28.7 43.1#



#16

Acetone

Concen: 0.587 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006541.D

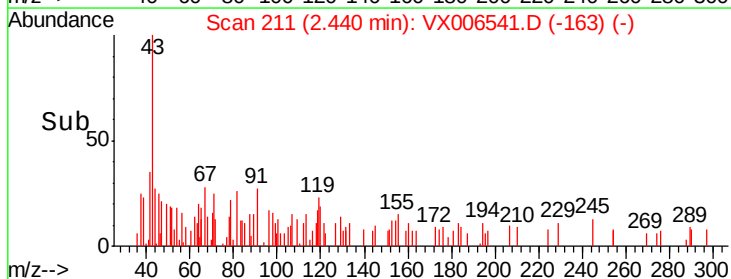
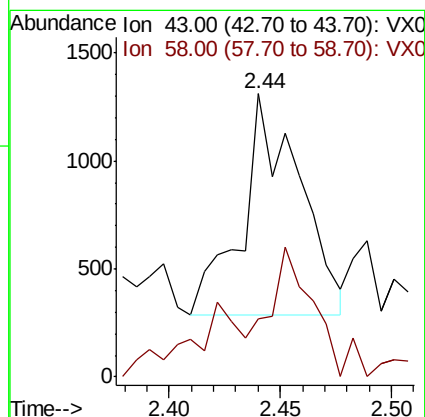
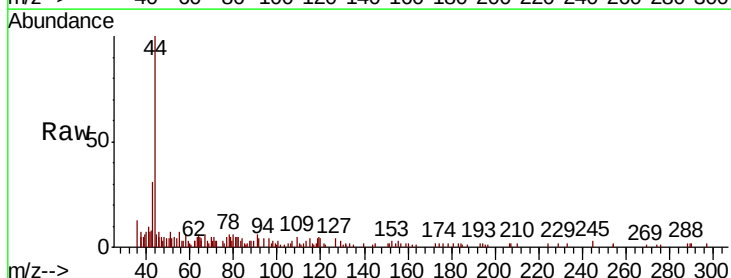
Acq: 15 Dec 2018 03:54

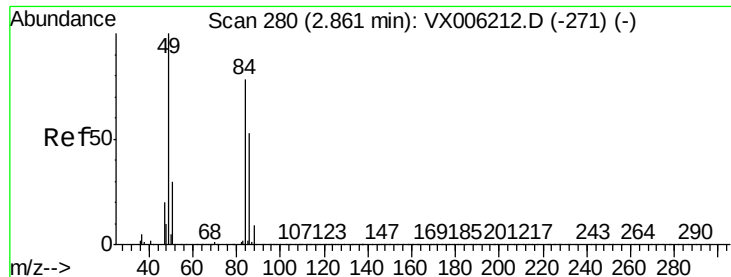
Tgt Ion: 43 Resp: 1840

Ion Ratio Lower Upper

43 100

58 26.4 24.0 36.0

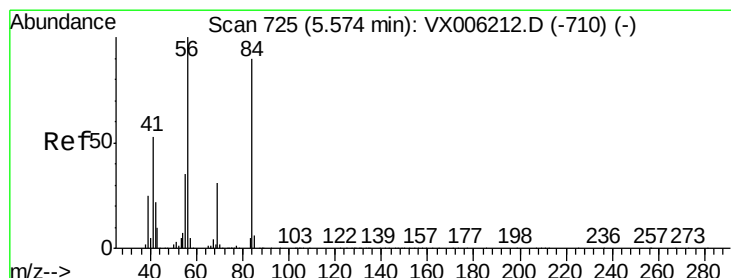
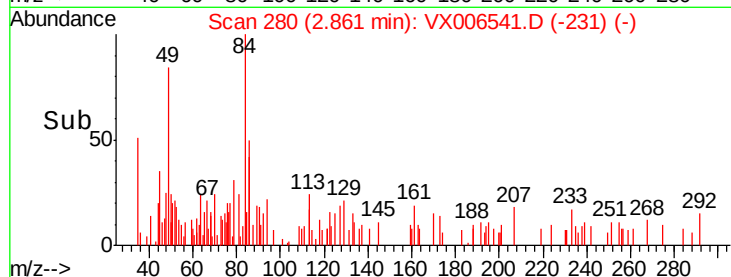
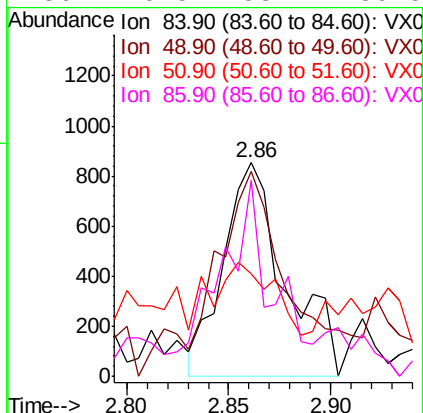
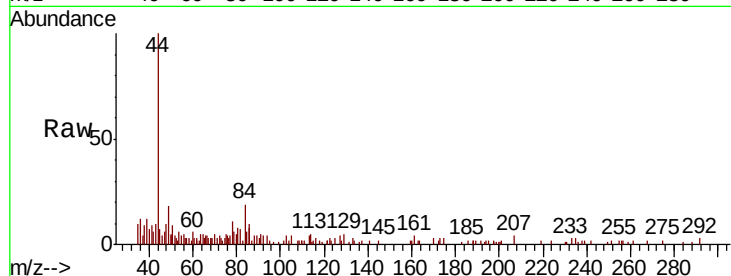




#20
Methylene Chloride
Concen: 0.268 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006541.D
Acq: 15 Dec 2018 03:54

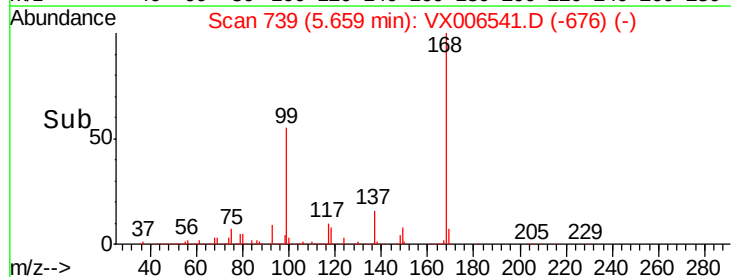
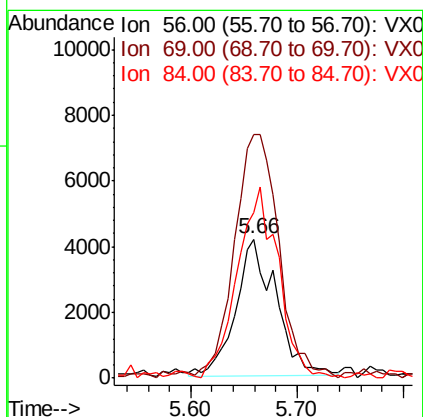
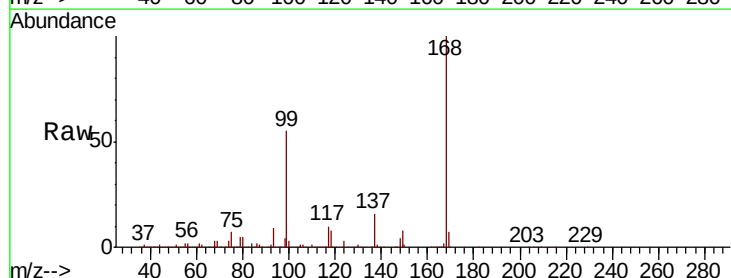
Instrument :
MSVOA_X
ClientSampleId :

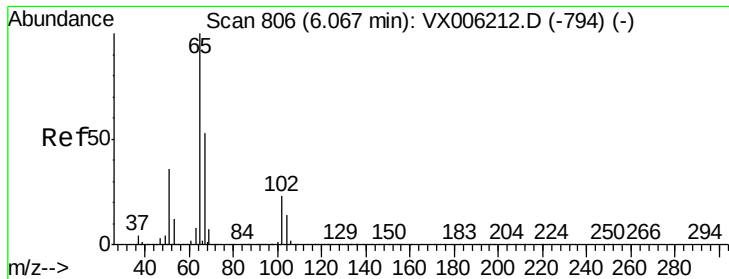
Tot Ion: 84 Resp: 1791
Ion Ratio Lower Upper
84 100
49 83.5 102.2 153.4#
51 26.3 31.1 46.7#
86 76.5 53.7 80.5



#31
Cyclohexane
Concen: 1.139 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006541.D
Acq: 15 Dec 2018 03:54

Tgt Ion: 56 Resp: 10992
Ion Ratio Lower Upper
56 100
69 181.5 24.5 36.7#
84 121.0 71.8 107.6#

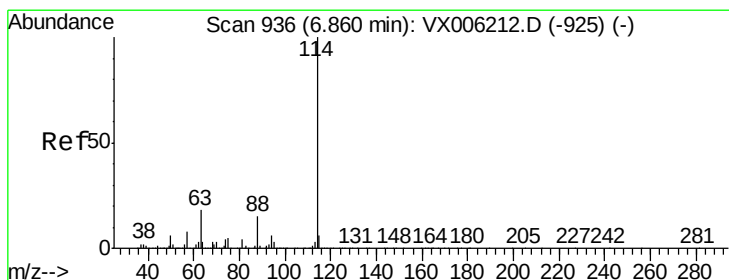
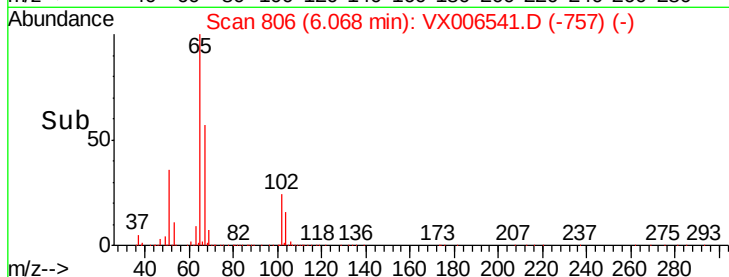
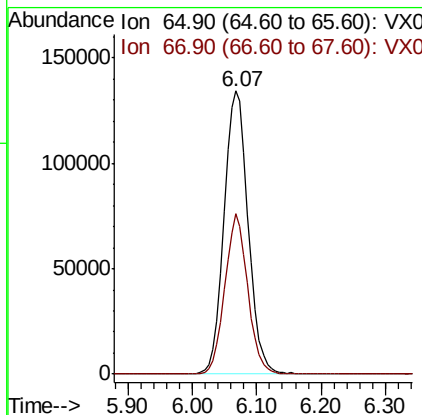
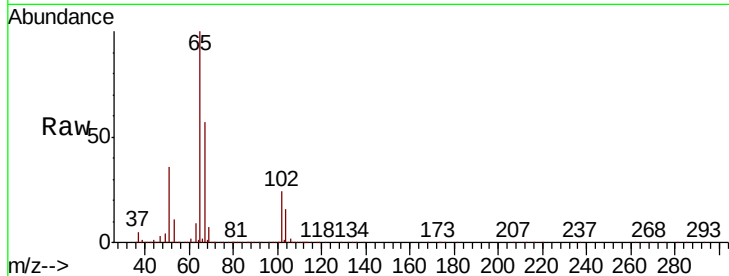




#33
 1,2-Dichloroethane-d4
 Concen: 53.088 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006541.D
 Acq: 15 Dec 2018 03:54

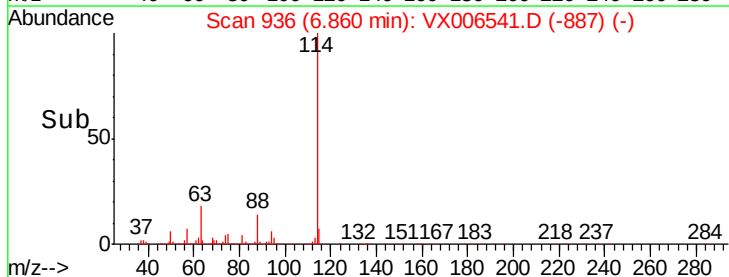
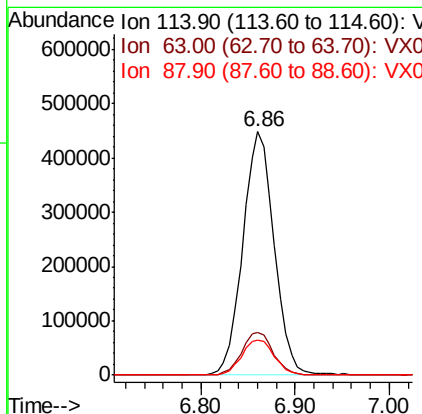
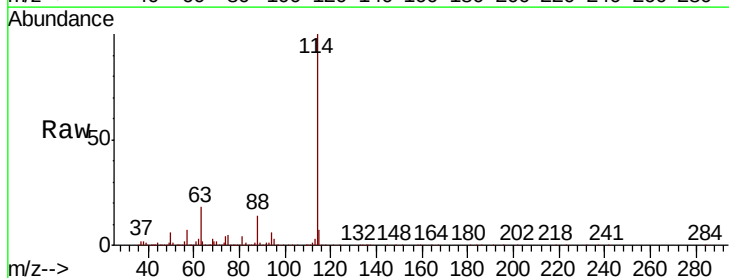
Instrument :
 MSVOA_X
 ClientSampleId :

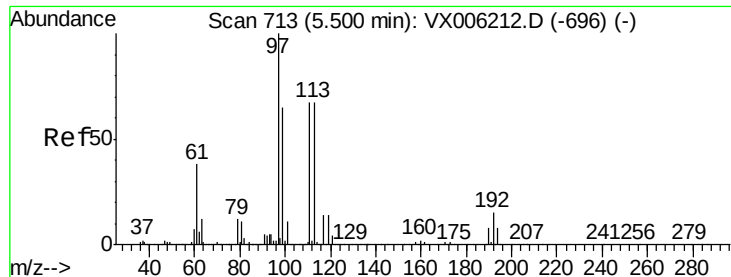
Tot Ion: 65 Resp: 354739
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006541.D
 Acq: 15 Dec 2018 03:54

Tgt Ion: 114 Resp: 1041806
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.6
 88 14.4 0.0 29.0

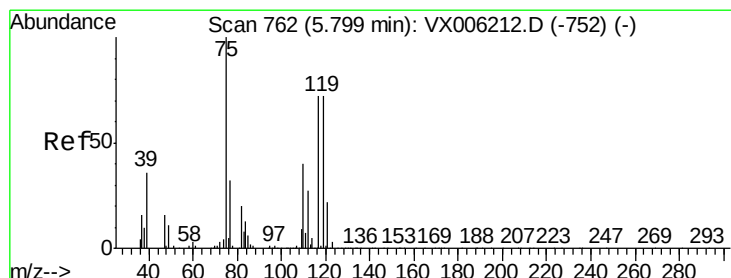
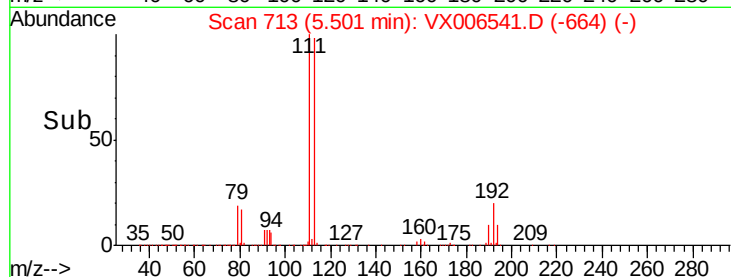
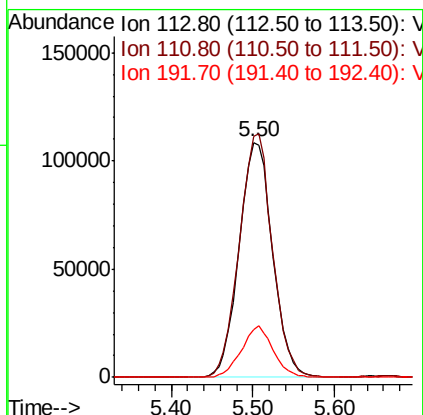
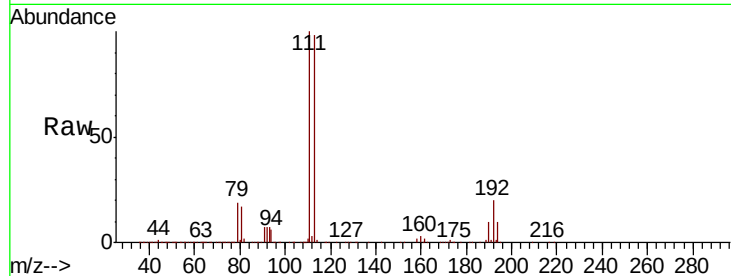




#35
 Dibromofluoromethane
 Concen: 45.961 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX006541.D
 Acq: 15 Dec 2018 03:54

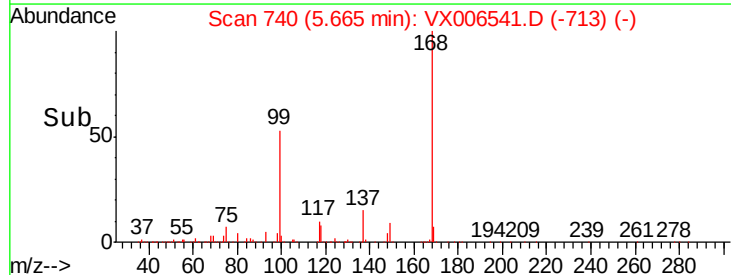
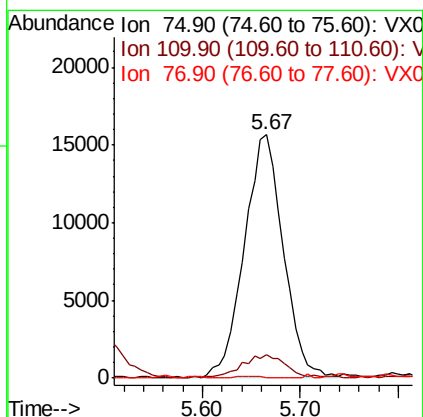
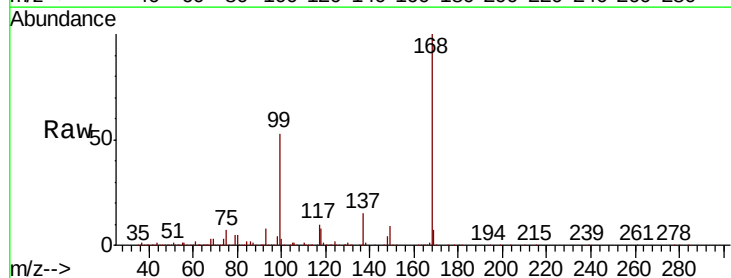
Instrument :
 MSVOA_X
 ClientSampleId :

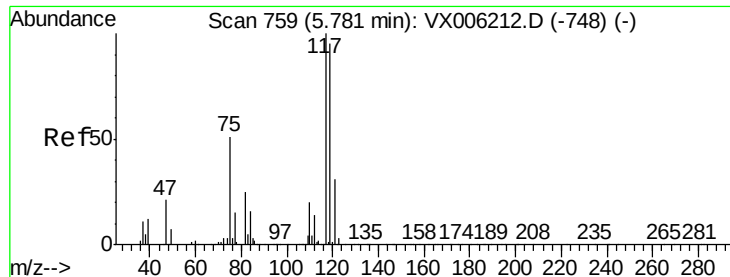
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.1	121.7
192	20.6	18.2	27.2



#36
 1,1-Dichloropropene
 Concen: 4.960 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006541.D
 Acq: 15 Dec 2018 03:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	20.4	61.3#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.938 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006541.D

Acq: 15 Dec 2018 03:54

Instrument :

MSVOA_X

ClientSampleId :

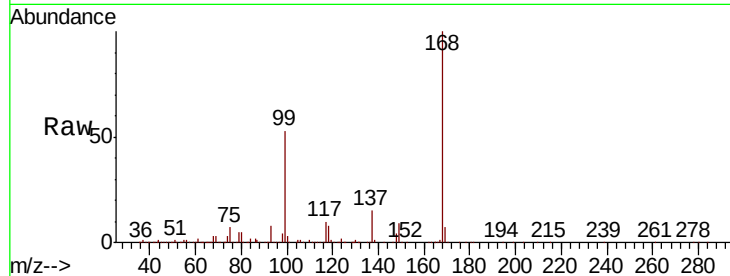
Tot Ion:117 Resp: 61285

Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.8#

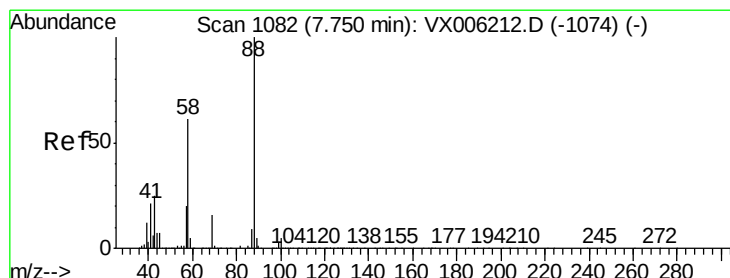
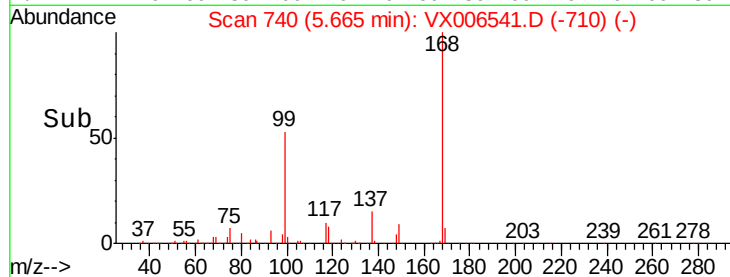
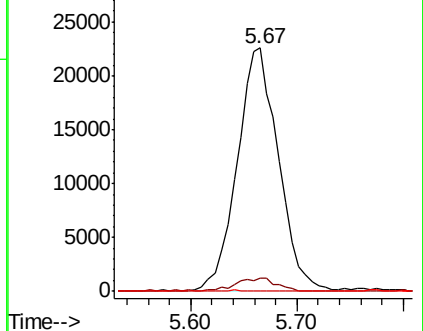
121 0.0 24.6 37.0#



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: 0.504 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006541.D

Acq: 15 Dec 2018 03:54

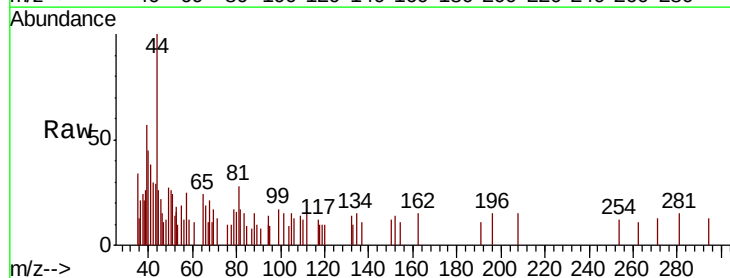
Tgt Ion: 88 Resp: 99

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

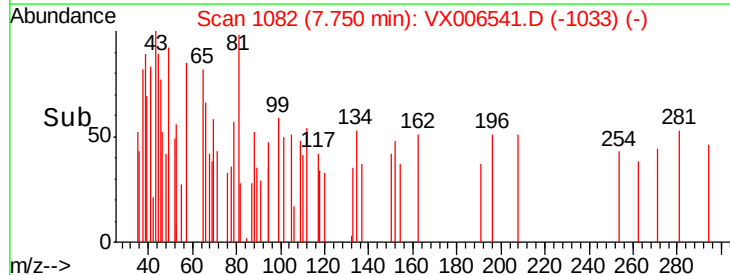
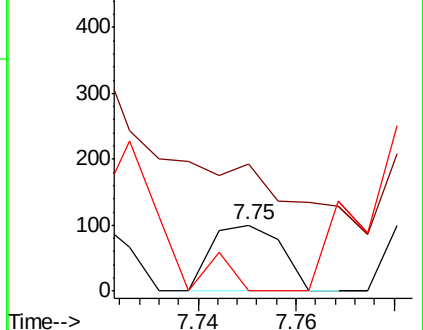
58 0.0 51.4 77.0#

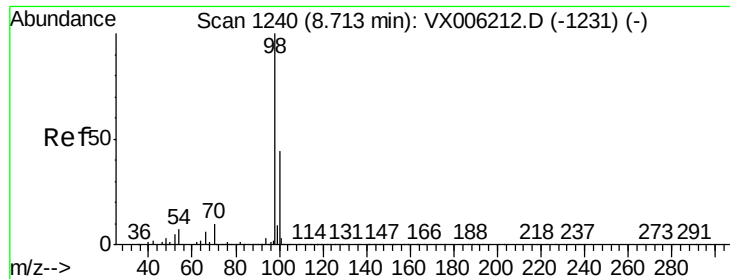


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

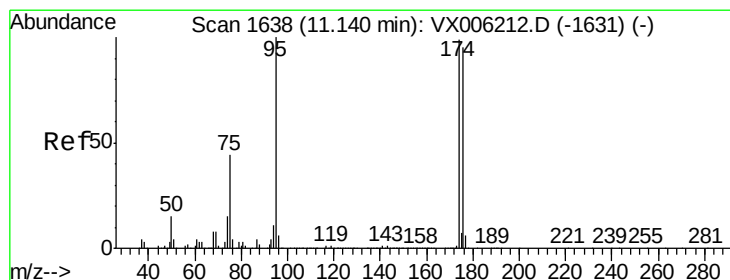
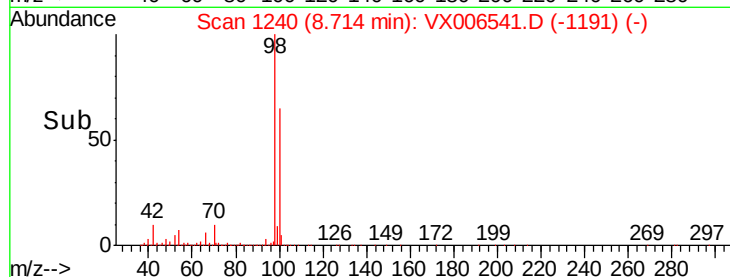
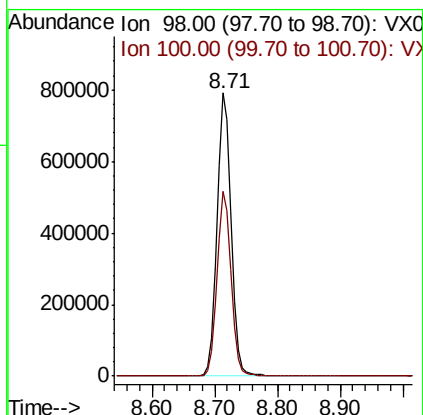
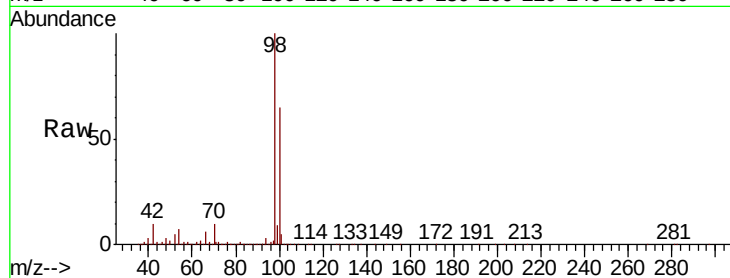




#50
Toluene-d8
Concen: 50.174 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006541.D
Acq: 15 Dec 2018 03:54

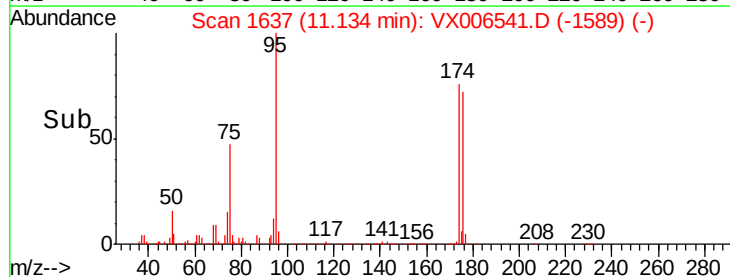
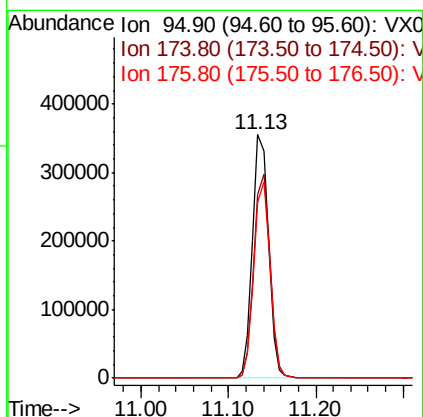
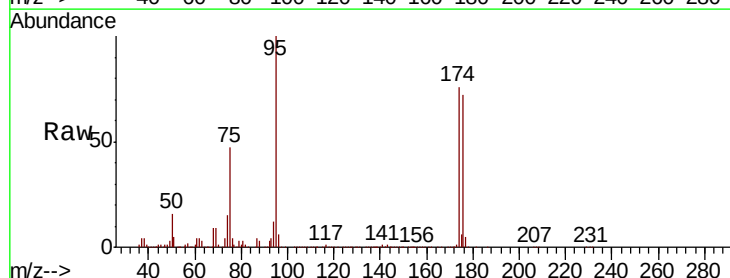
Instrument :
MSVOA_X
ClientSampleId :

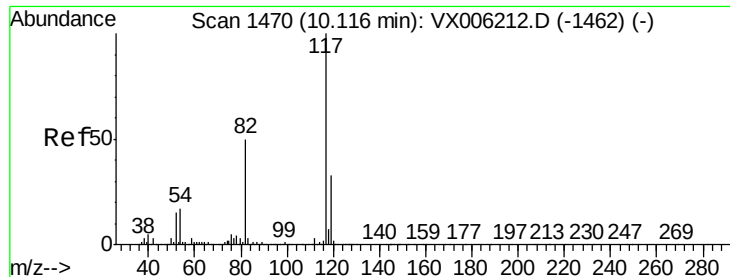
Tot Ion: 98 Resp: 1231034
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 48.643 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006541.D
Acq: 15 Dec 2018 03:54

Tgt Ion: 95 Resp: 449739
Ion Ratio Lower Upper
95 100
174 84.8 0.0 187.0
176 81.7 0.0 181.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006541.D

Acq: 15 Dec 2018 03:54

Instrument :

MSVOA_X

ClientSampleId :

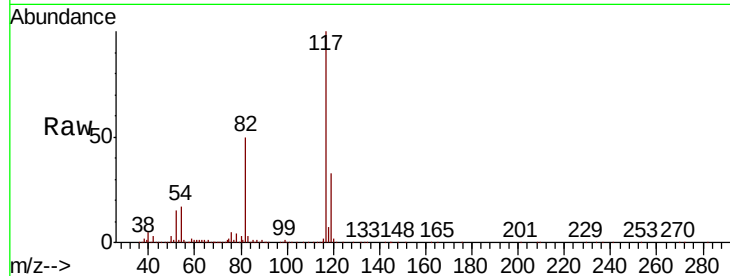
Tot Ion:117 Resp: 947972

Ion Ratio Lower Upper

117 100

82 50.1 39.6 59.4

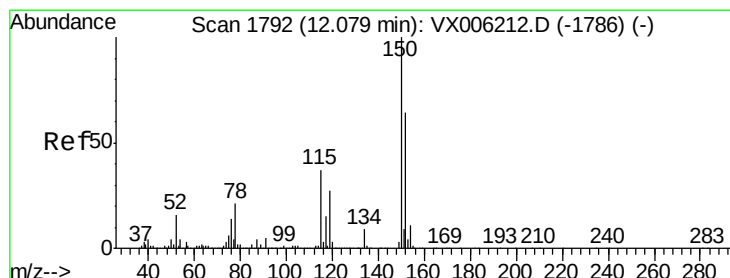
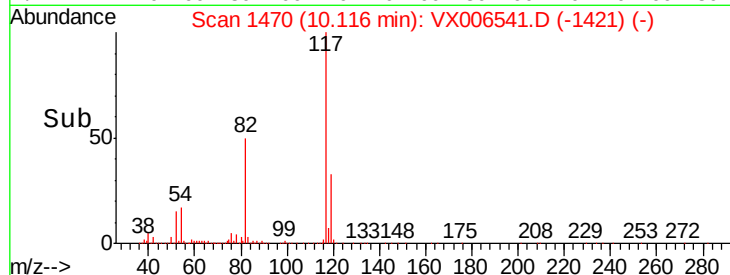
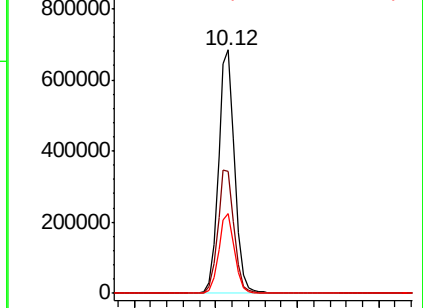
119 32.5 26.3 39.5



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006541.D

Acq: 15 Dec 2018 03:54

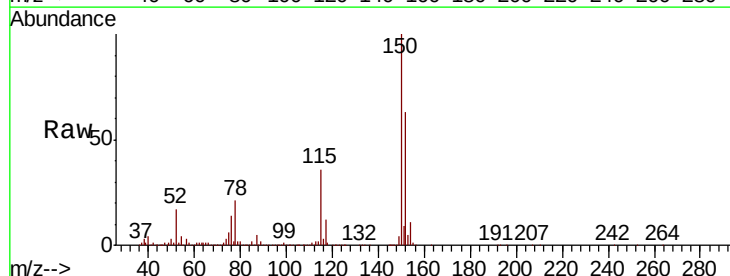
Tgt Ion:152 Resp: 445385

Ion Ratio Lower Upper

152 100

115 57.6 39.0 116.9

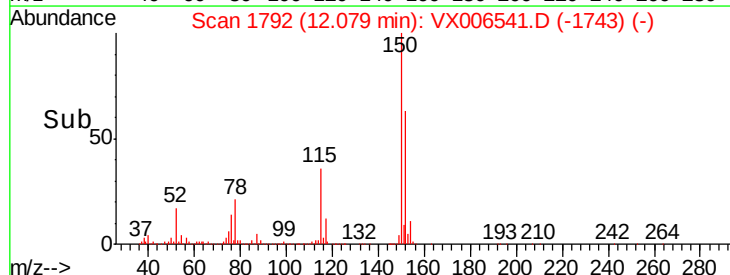
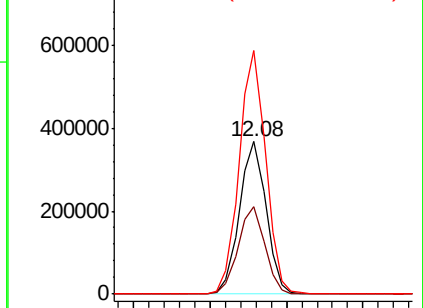
150 158.3 0.0 345.8

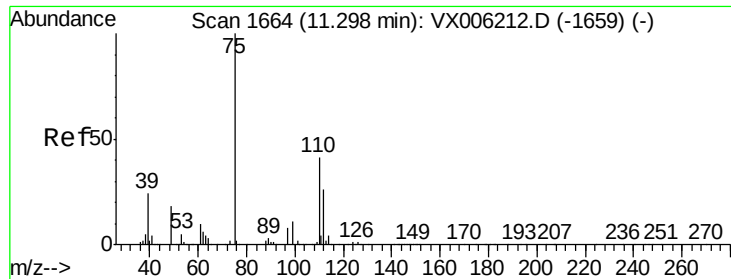


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.156 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006541.D

Acq: 15 Dec 2018 03:54

Instrument :

MSVOA_X

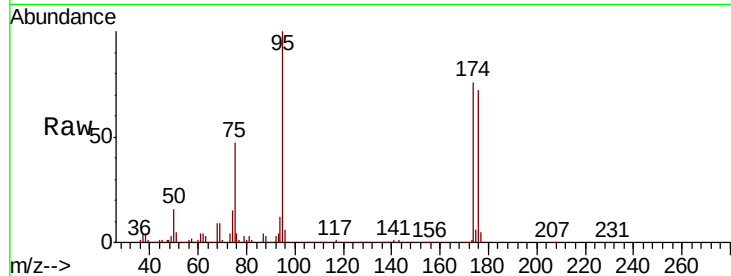
ClientSampleId :

Tot Ion: 75 Resp: 207660

Ion Ratio Lower Upper

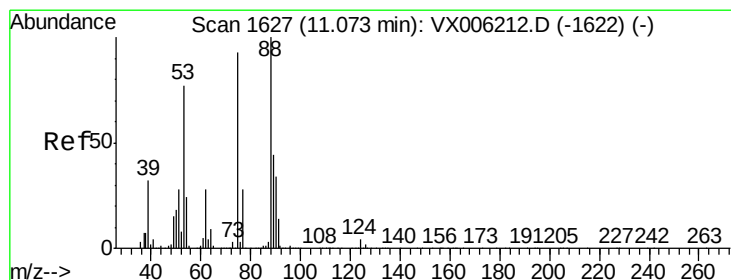
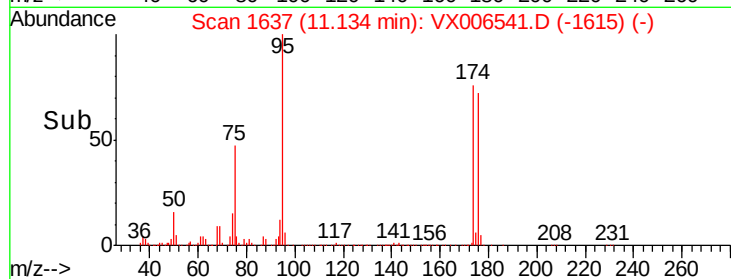
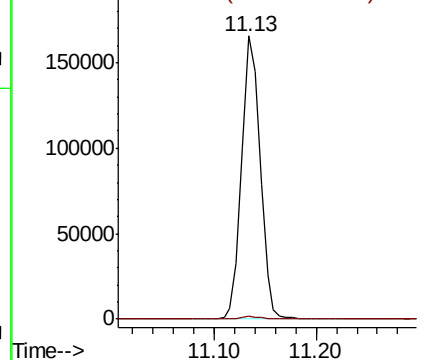
75 100

77 1.2 19.9 59.7#



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: 56.687 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006541.D

Acq: 15 Dec 2018 03:54

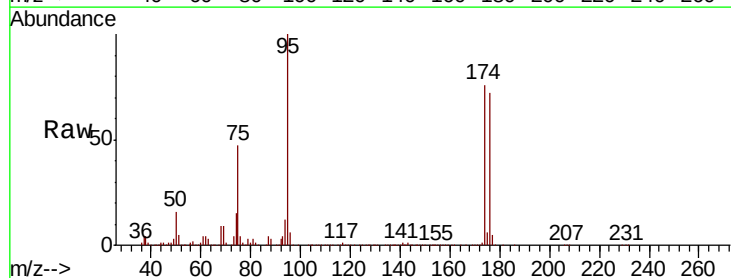
Tgt Ion: 75 Resp: 207660

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 44.2 66.4#



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

