

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120618\
 Data File : VX006325.D
 Acq On : 06 Dec 2018 18:18
 Operator : JC/MD
 Sample : J6259-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 07 04:31:58 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	748020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1177202	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1072717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	515240	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	385490	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
35) Dibromofluoromethane	5.50	113	366409	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
50) Toluene-d8	8.71	98	1376329	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	11.13	95	511760	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	

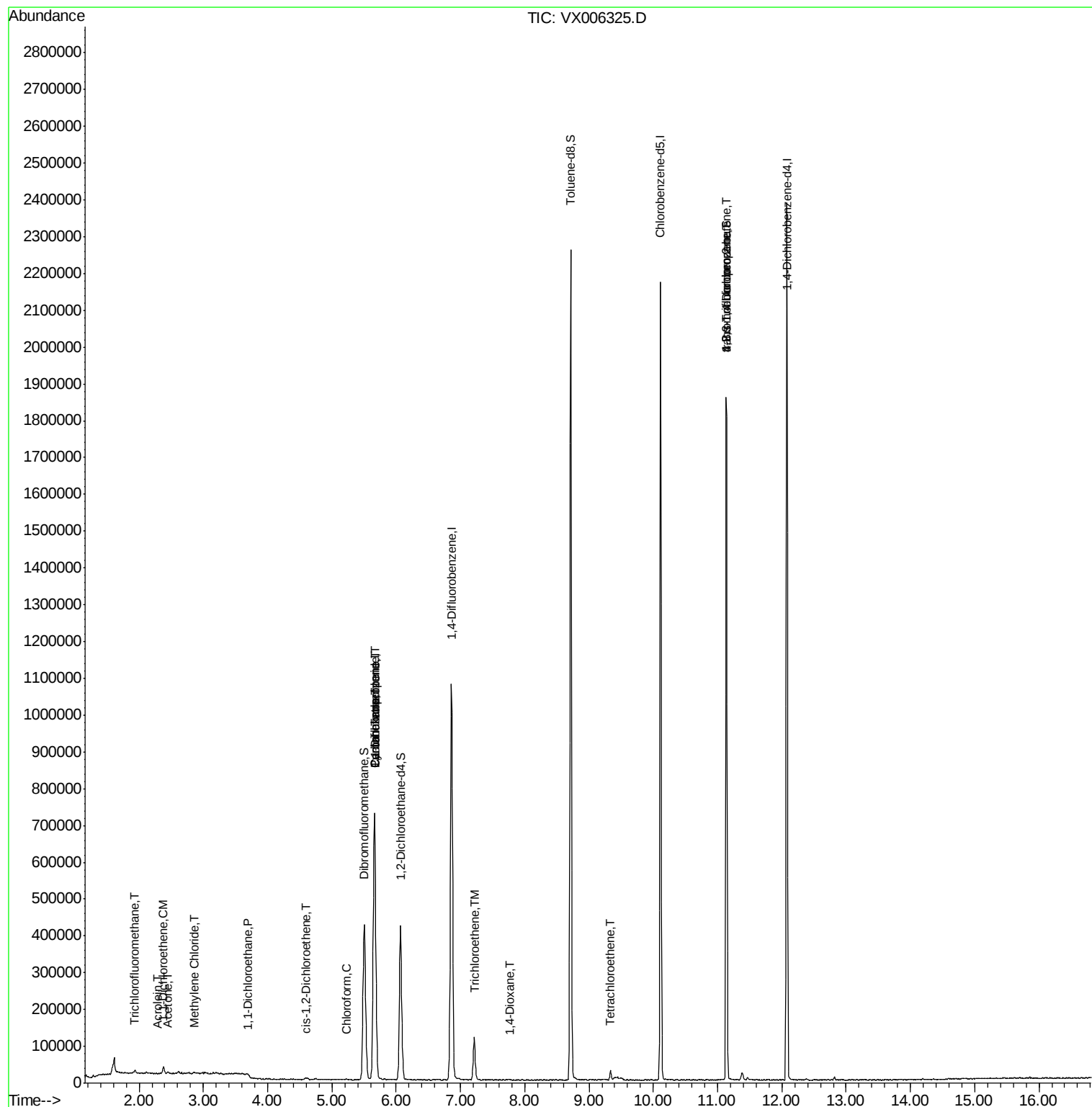
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Trichlorofluoromethane	1.94	101	5539	0.445	ug/l	96
12) 1,1-Dichloroethene	2.38	96	6965	1.029	ug/l	98
13) Acrolein	2.29	56	270	0.237	ug/l #	13
16) Acetone	2.45	43	2716	0.758	ug/l #	73
20) Methylene Chloride	2.87	84	1617	0.212	ug/l #	58
24) 1,1-Dichloroethane	3.70	63	6278	0.526	ug/l #	88
27) cis-1,2-Dichloroethene	4.60	96	2950	0.367	ug/l	87
30) Chloroform	5.21	83	2721	0.217	ug/l	90
31) Cyclohexane	5.66	56	12292	1.114	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	48485	4.891	ug/l #	48
38) Carbon Tetrachloride	5.67	117	70451	6.041	ug/l #	17
44) Trichloroethene	7.21	130	47868	5.322	ug/l	95
49) 1,4-Dioxane	7.76	88	966	4.353	ug/l #	89
64) Tetrachloroethene	9.34	164	3914	0.484	ug/l #	78
76) 1,2,3-Trichloropropane	11.13	75	232279	23.356	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	232279	54.811	ug/l #	15

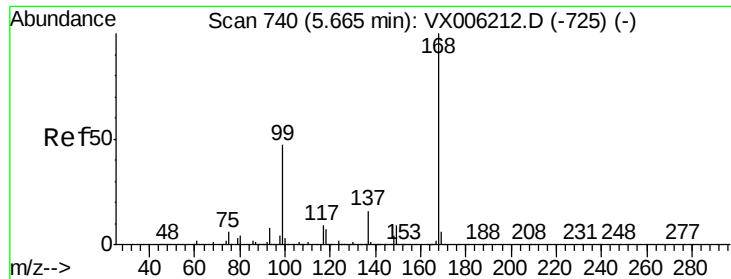
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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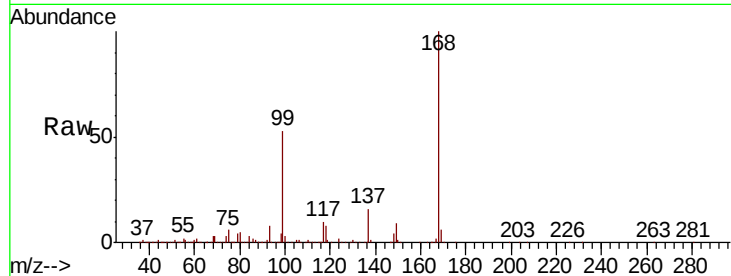


#1

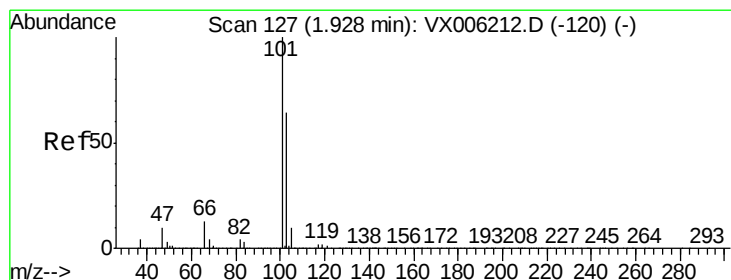
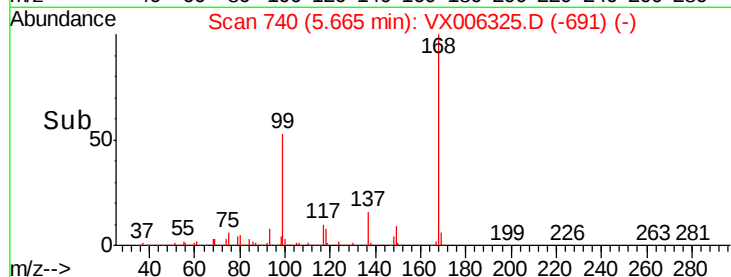
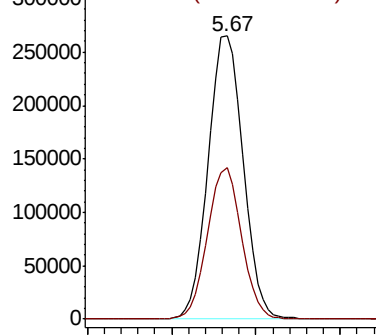
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: VX006325.D
 Acq: 06 Dec 2018 18:18

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:168 Resp: 748020
 Ion Ratio Lower Upper
 168 100
 99 53.3 37.8 56.8



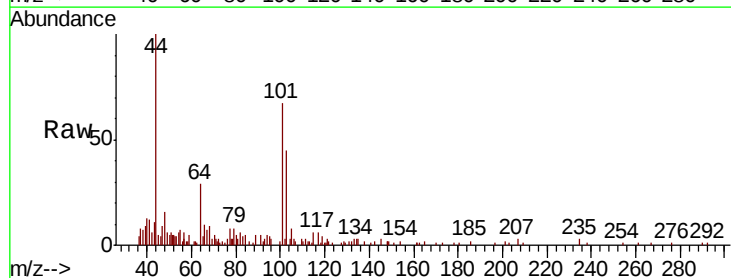
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



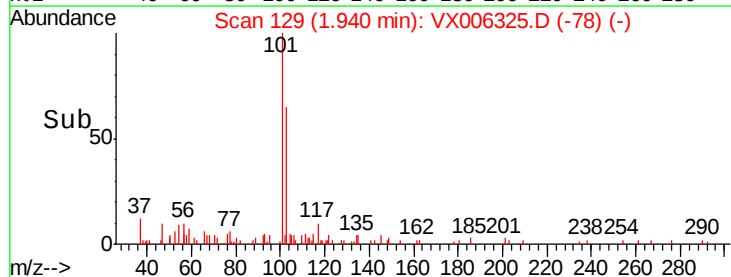
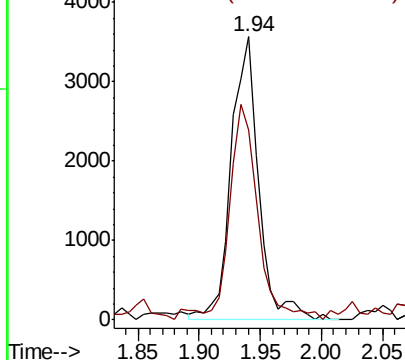
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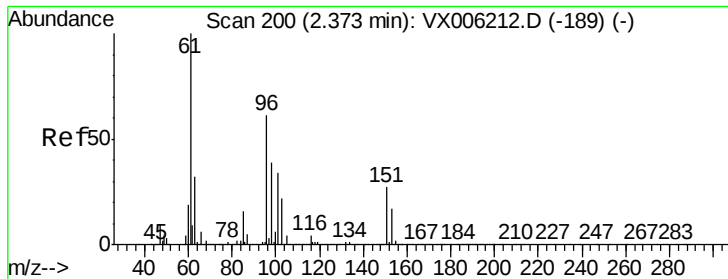
Trichlorofluoromethane
 Concen: 0.445 ug/l
 RT: 1.94 min Scan# 129
 Delta R.T. 0.01 min
 Lab File: VX006325.D
 Acq: 06 Dec 2018 18:18

Tgt Ion:101 Resp: 5539
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.0 76.4



Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V





#12

1,1-Dichloroethene

Concen: 1.029 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX006325.D

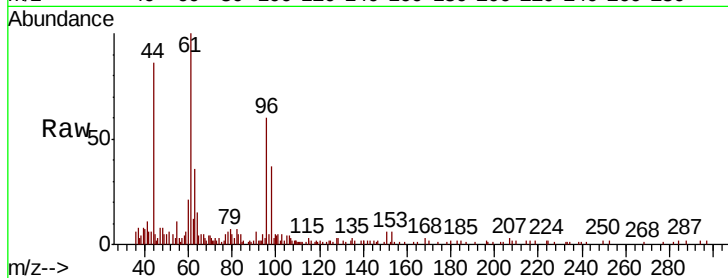
Acq: 06 Dec 2018 18:18

Instrument :

MSVOA_X

ClientSampleId :

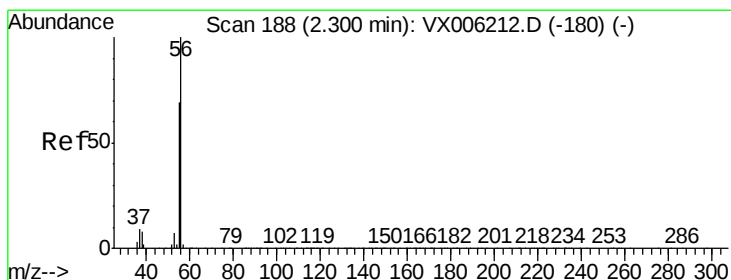
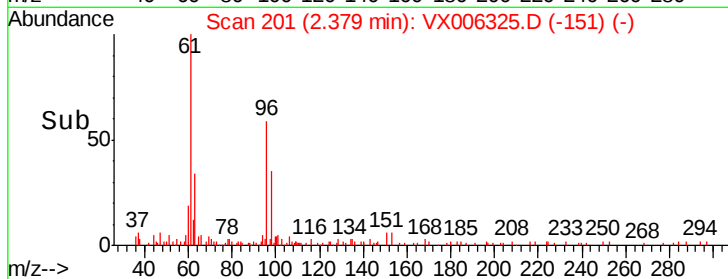
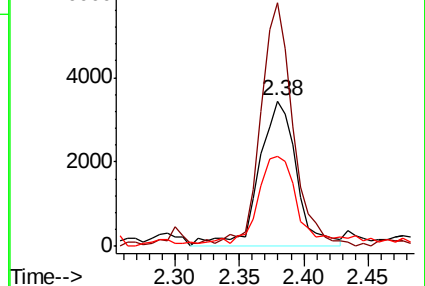
Tot Ion:	96	Resp:	6965
Ion	Ratio	Lower	Upper
96	100		
61	164.9	131.7	197.5
98	58.8	51.8	77.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 0.237 ug/l

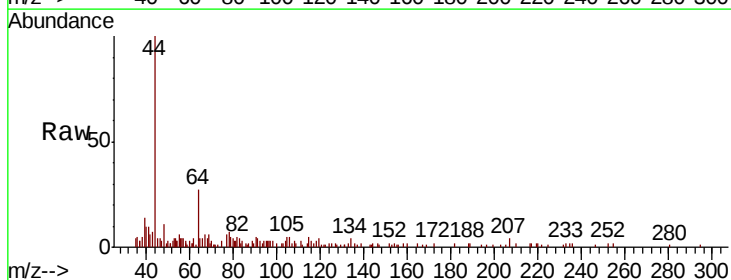
RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX006325.D

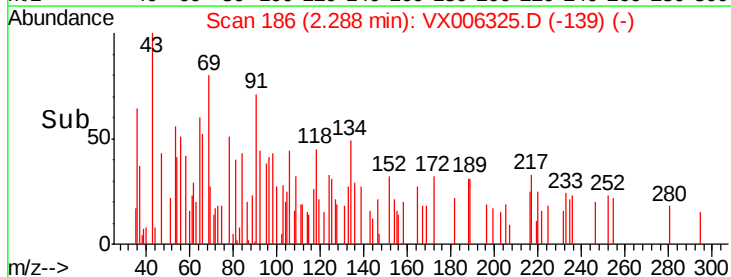
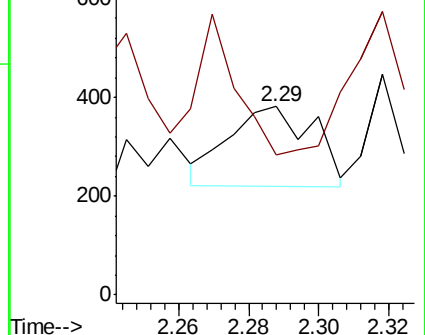
Acq: 06 Dec 2018 18:18

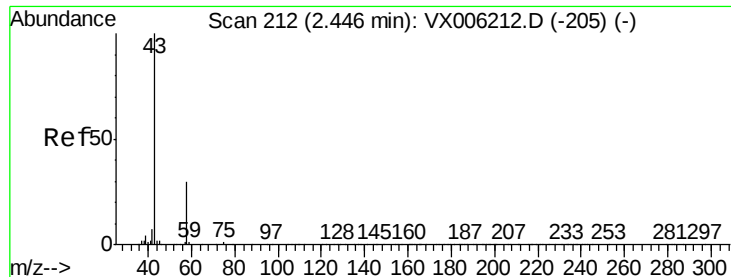
Tgt Ion:	56	Resp:	270
Ion	Ratio	Lower	Upper
56	100		
55	0.0	57.8	86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

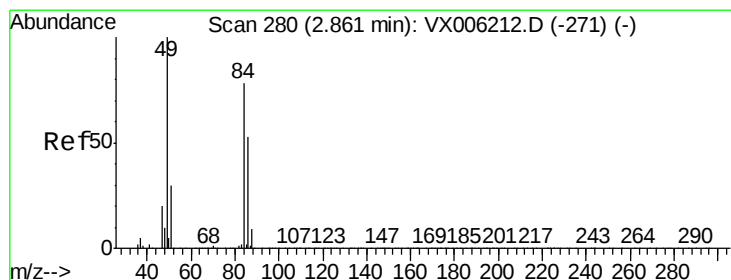
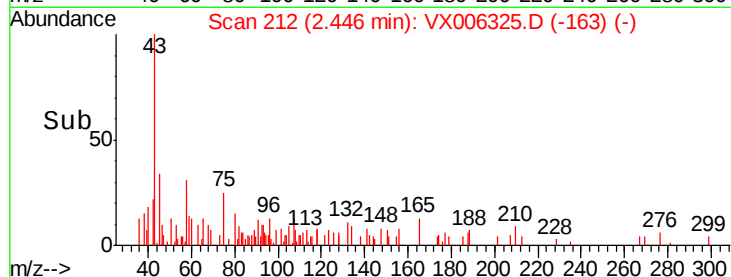
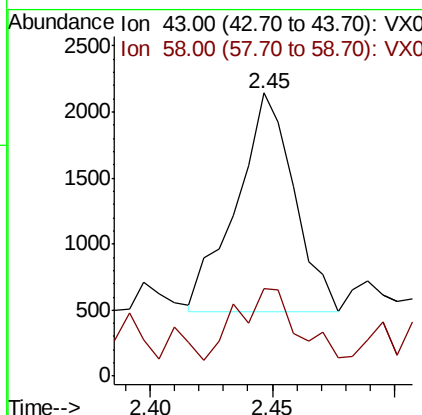
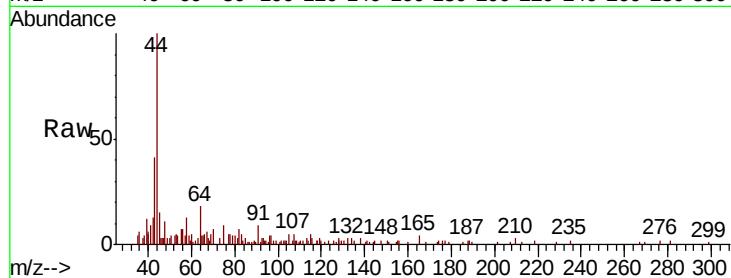




#16
Acetone
Concen: 0.758 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006325.D
Acq: 06 Dec 2018 18:18

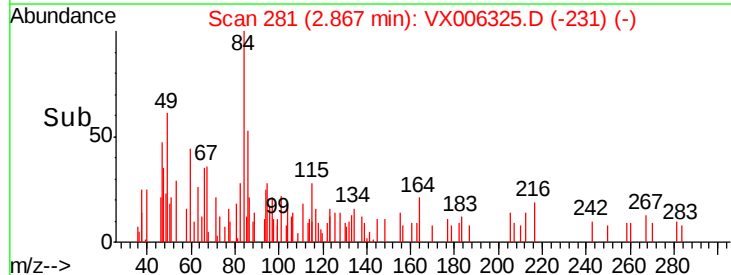
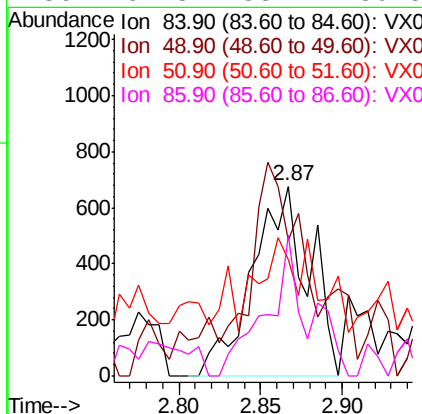
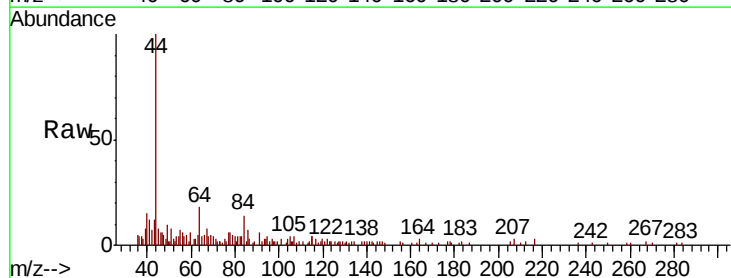
Instrument :
MSVOA_X
ClientSampleId :

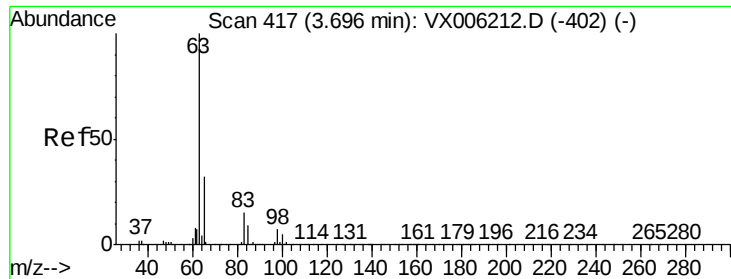
Tot Ion: 43 Resp: 2716
Ion Ratio Lower Upper
43 100
58 44.4 24.0 36.0#



#20
Methylene Chloride
Concen: 0.212 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006325.D
Acq: 06 Dec 2018 18:18

Tgt Ion: 84 Resp: 1617
Ion Ratio Lower Upper
84 100
49 52.6 102.2 153.4#
51 22.6 31.1 46.7#
86 62.3 53.7 80.5





#24

1,1-Dichloroethane

Concen: 0.526 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX006325.D

Acq: 06 Dec 2018 18:18

Instrument :

MSVOA_X

ClientSampleId :

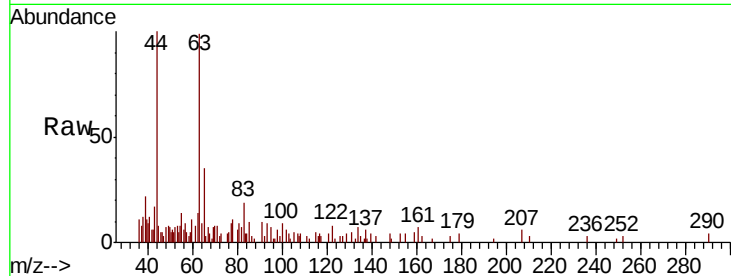
Tot Ion: 63 Resp: 6278

Ion Ratio Lower Upper

63 100

98 3.7 3.8 11.4#

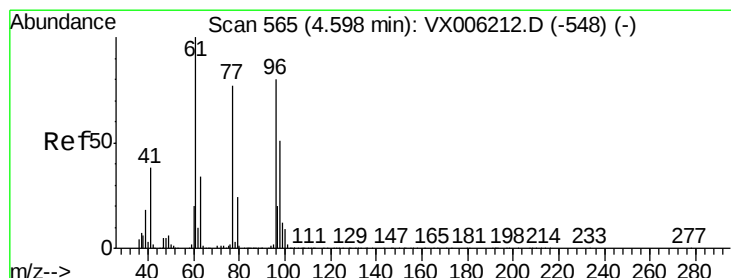
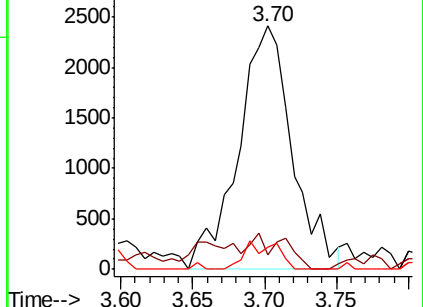
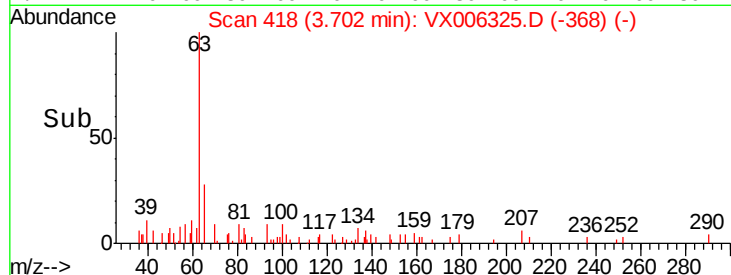
100 9.4 2.5 7.4#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.367 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX006325.D

Acq: 06 Dec 2018 18:18

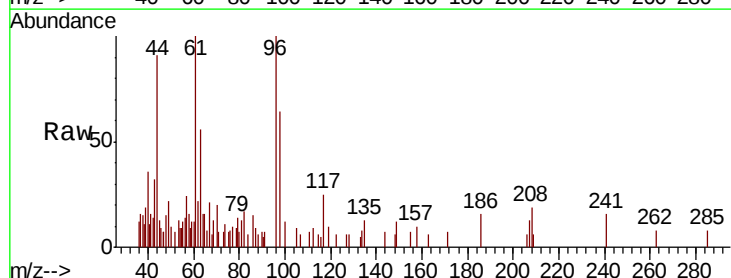
Tgt Ion: 96 Resp: 2950

Ion Ratio Lower Upper

96 100

61 119.6 0.0 265.0

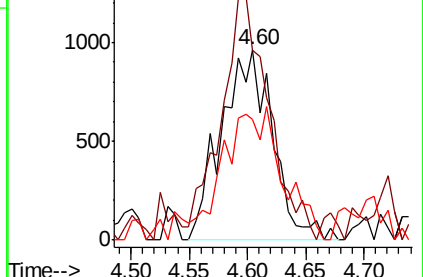
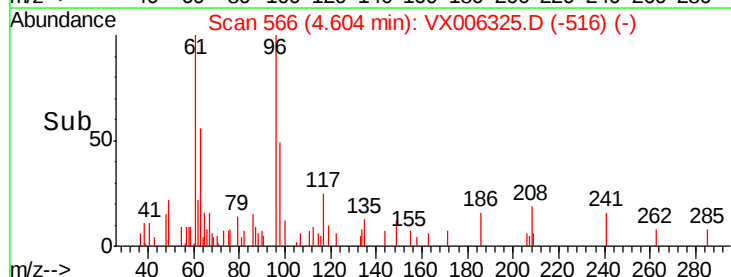
98 78.6 0.0 130.2

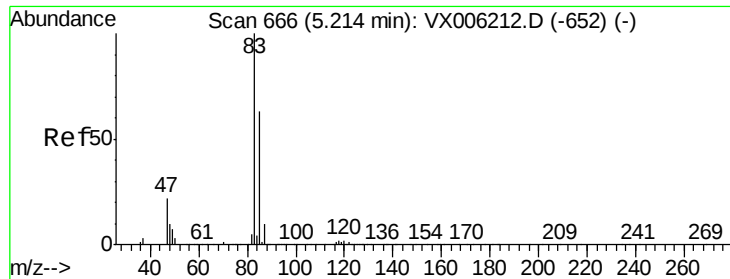


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

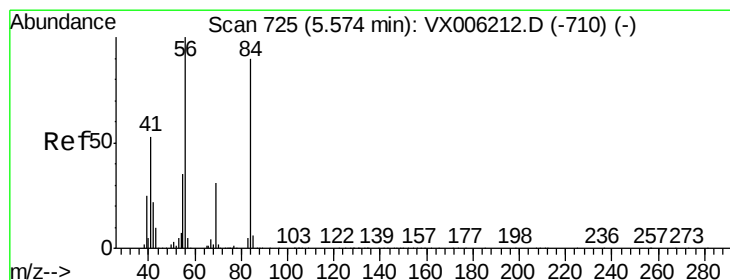
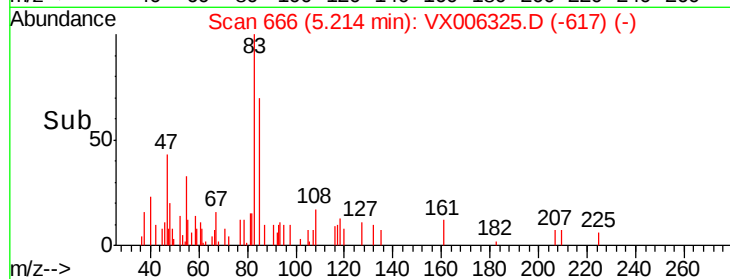
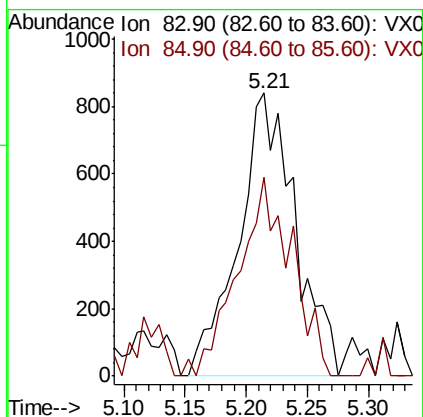
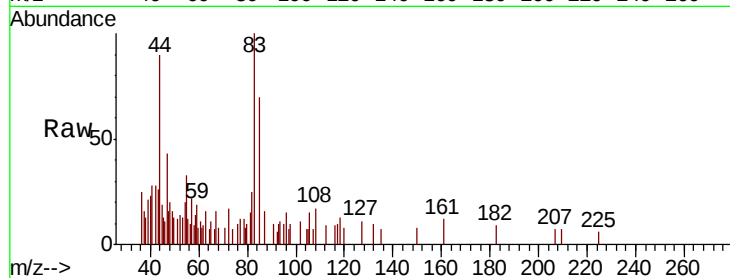




#30
Chloroform
Concen: 0.217 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006325.D
Acq: 06 Dec 2018 18:18

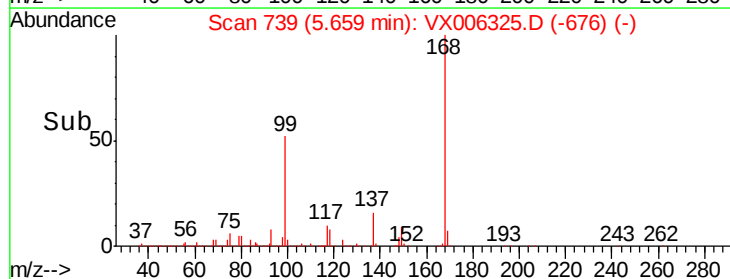
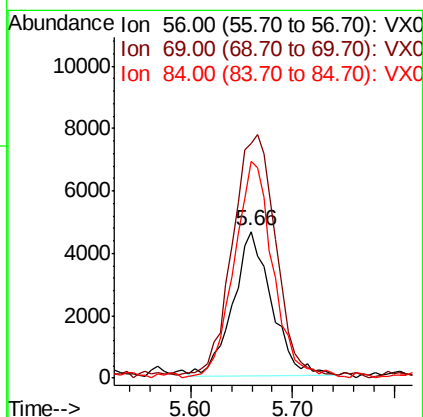
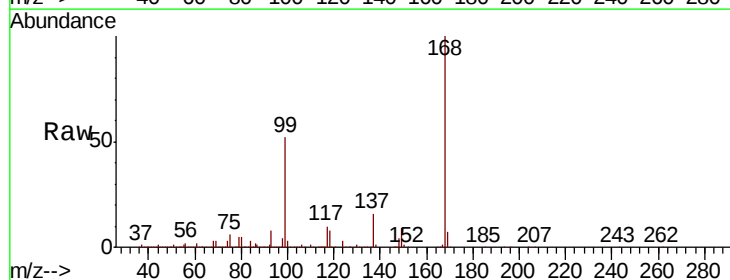
Instrument :
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ClientSampleId :

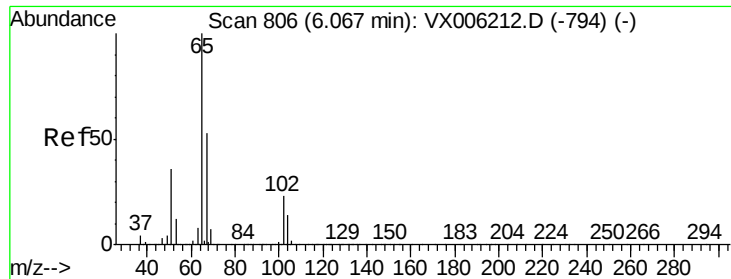
Tot Ion: 83 Resp: 2721
Ion Ratio Lower Upper
83 100
85 70.4 50.3 75.5



#31
Cyclohexane
Concen: 1.114 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006325.D
Acq: 06 Dec 2018 18:18

Tgt Ion: 56 Resp: 12292
Ion Ratio Lower Upper
56 100
69 160.7 24.5 36.7#
84 149.4 71.8 107.6#

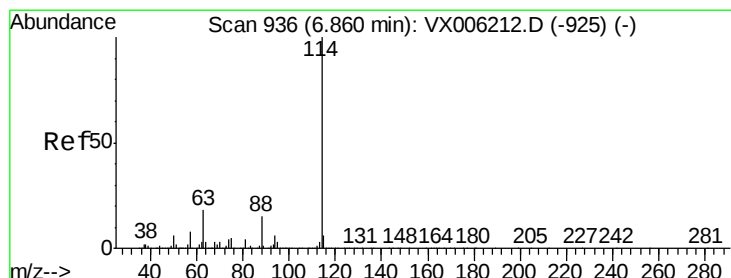
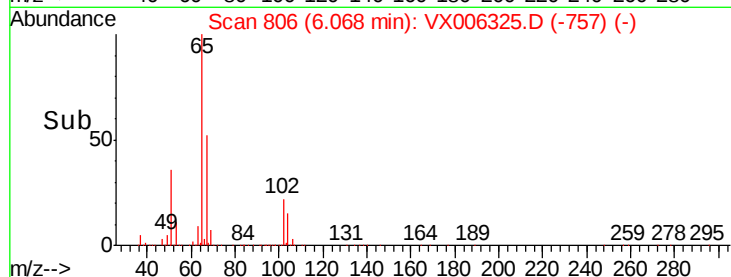
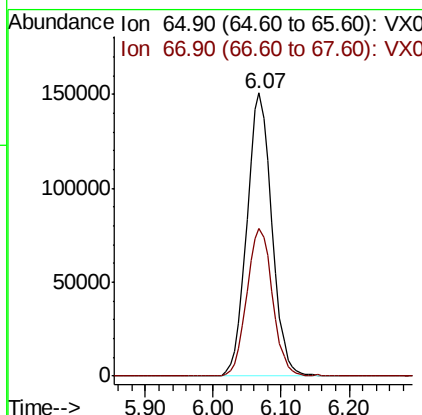
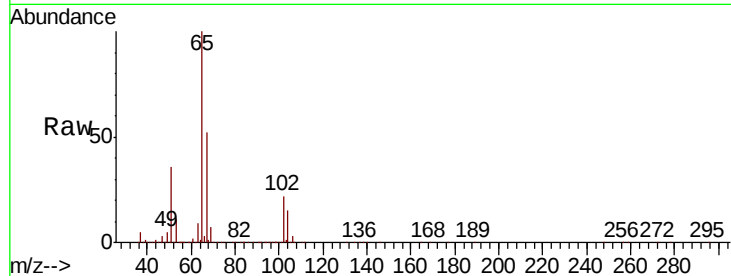




#33
 1,2-Dichloroethane-d4
 Concen: 50.483 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006325.D
 Acq: 06 Dec 2018 18:18

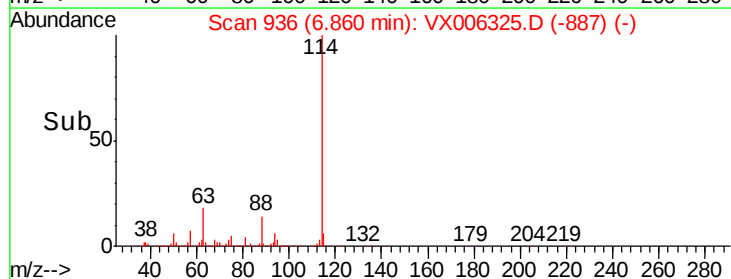
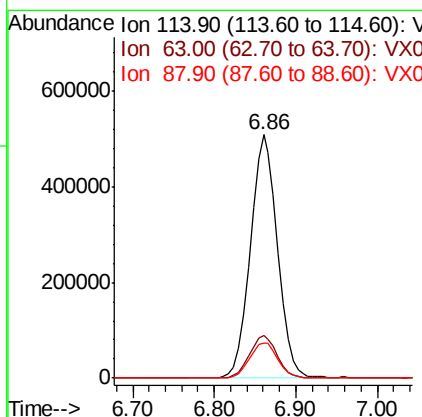
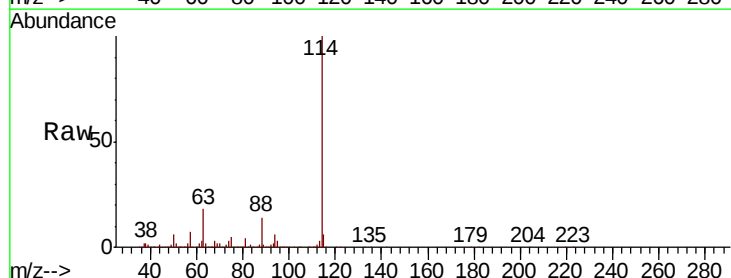
Instrument :
 MSVOA_X
 ClientSampleId :

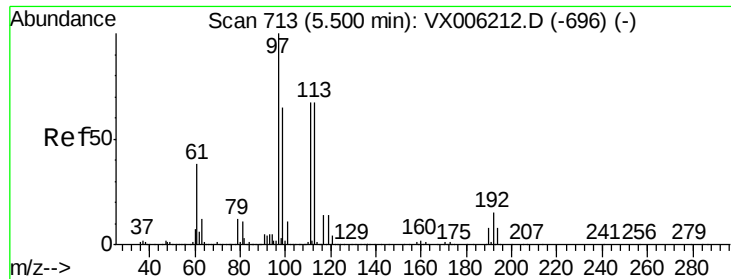
Tot Ion: 65 Resp: 385490
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006325.D
 Acq: 06 Dec 2018 18:18

Tgt Ion: 114 Resp: 1177202
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 36.6
 88 14.3 0.0 29.0

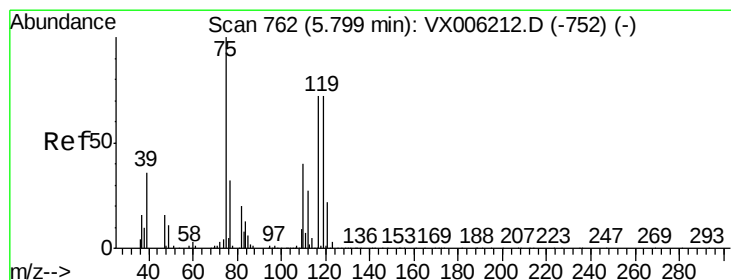
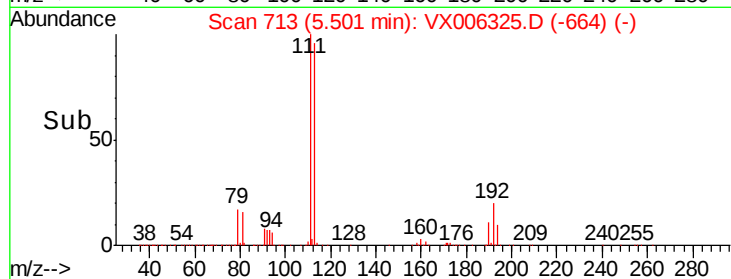
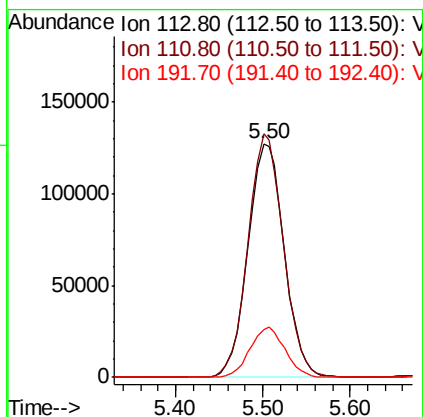
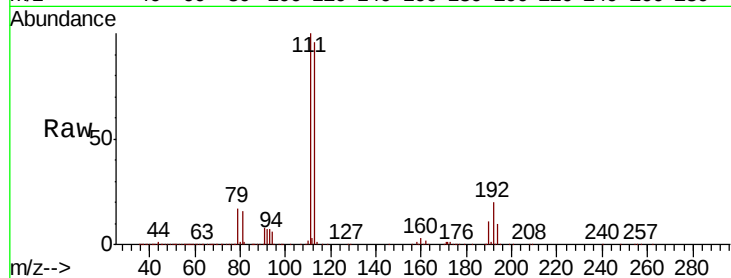




#35
Dibromofluoromethane
Concen: 48.073 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX006325.D
Acq: 06 Dec 2018 18:18

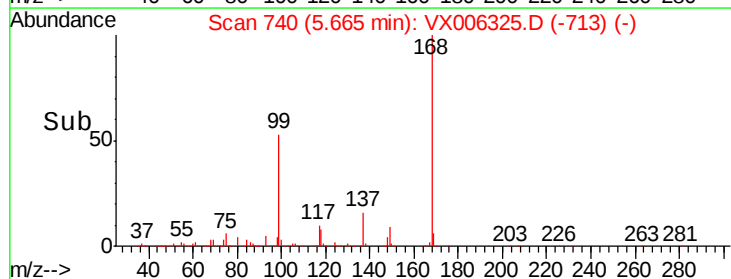
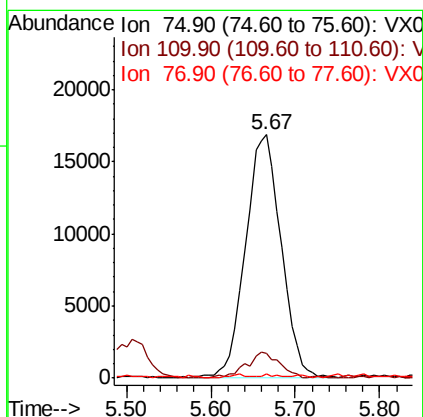
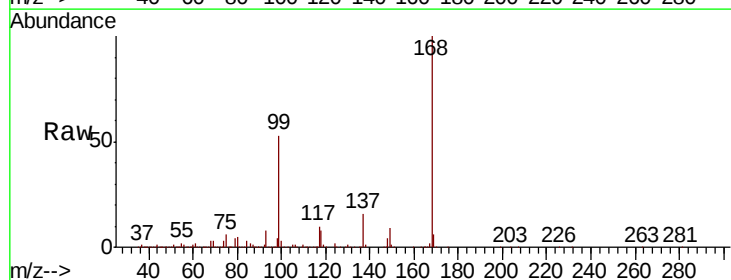
Instrument :
MSVOA_X
ClientSampleId :

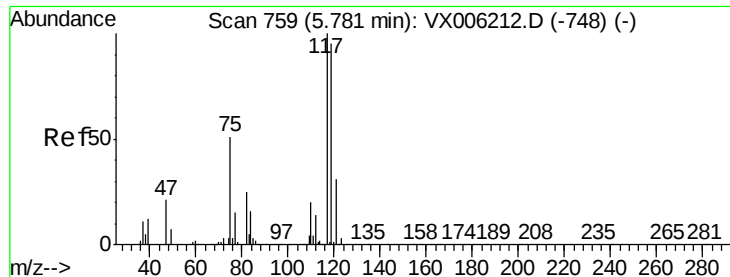
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.1	121.7
192	21.0	18.2	27.2



#36
1,1-Dichloropropene
Concen: 4.891 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.13 min
Lab File: VX006325.D
Acq: 06 Dec 2018 18:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	20.4	61.3#
77	0.4	24.9	37.3#

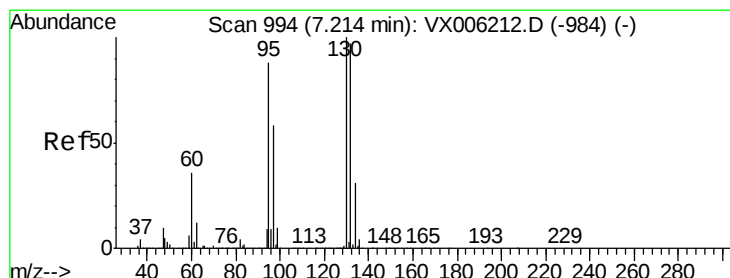
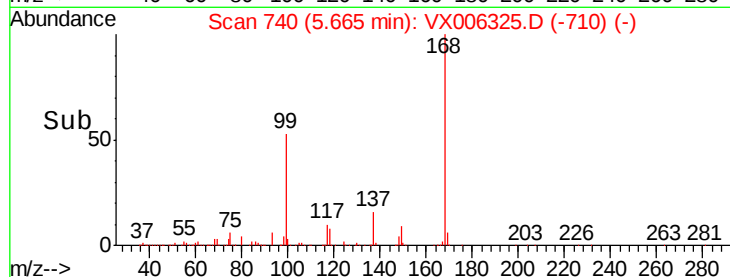
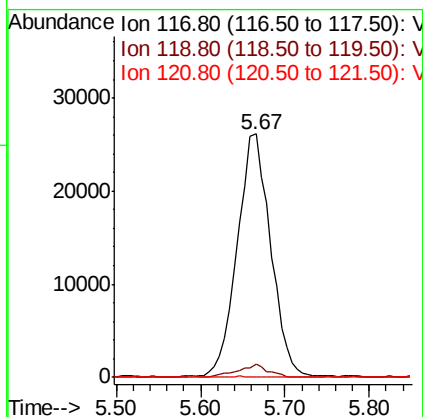
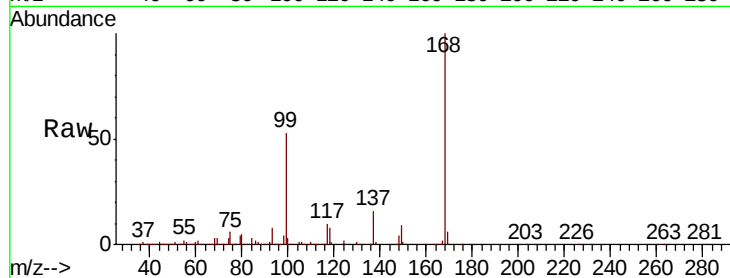




#38
Carbon Tetrachloride
Concen: 6.041 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX006325.D
Acq: 06 Dec 2018 18:18

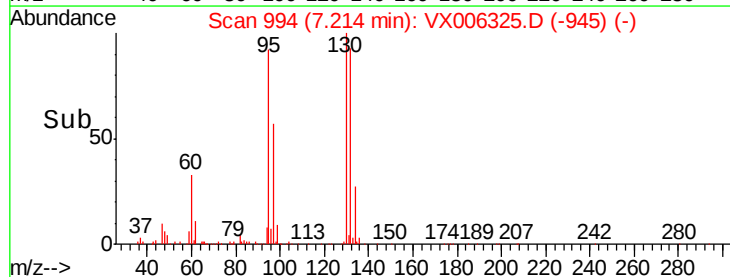
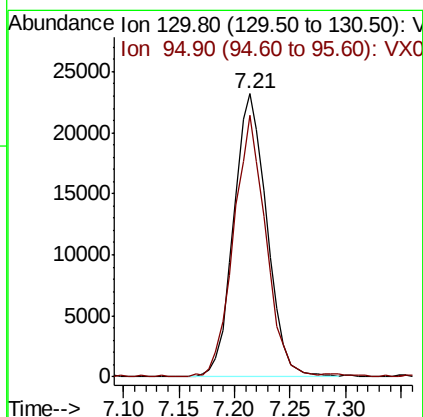
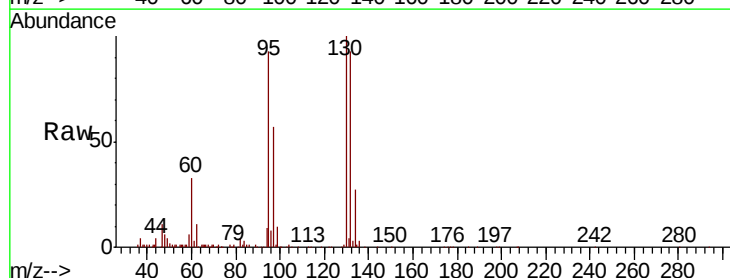
Instrument :
MSVOA_X
ClientSampleId :

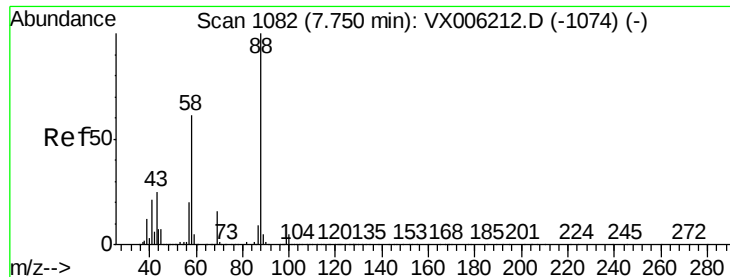
Tot Ion:117 Resp: 70451
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.8#
121 0.0 24.6 37.0#



#44
Trichloroethene
Concen: 5.322 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX006325.D
Acq: 06 Dec 2018 18:18

Tgt Ion:130 Resp: 47868
Ion Ratio Lower Upper
130 100
95 92.6 0.0 175.8





#49

1,4-Dioxane

Concen: 4.353 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006325.D

Acq: 06 Dec 2018 18:18

Instrument :

MSVOA_X

ClientSampled :

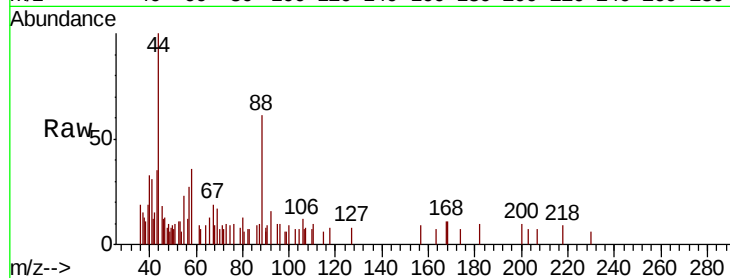
Tot Ion: 88 Resp: 966

Ion Ratio Lower Upper

88 100

43 15.1 23.2 34.8#

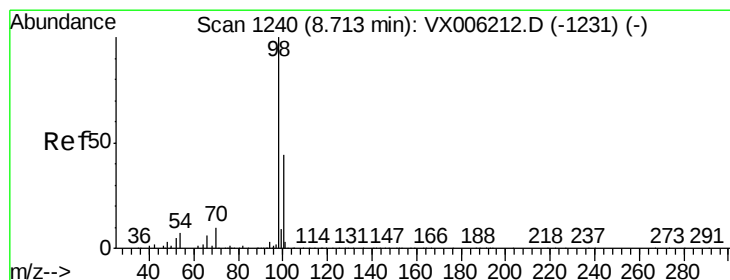
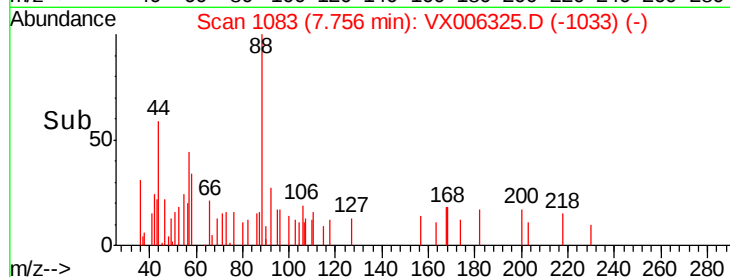
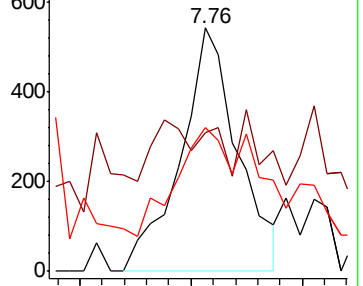
58 61.1 51.4 77.0



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: 49.644 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006325.D

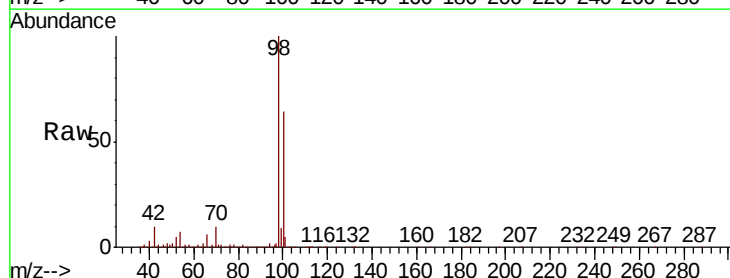
Acq: 06 Dec 2018 18:18

Tgt Ion: 98 Resp: 1376329

Ion Ratio Lower Upper

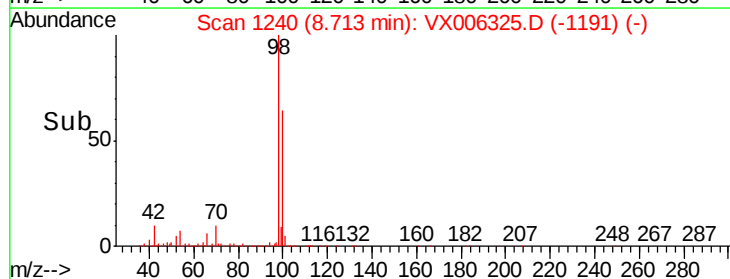
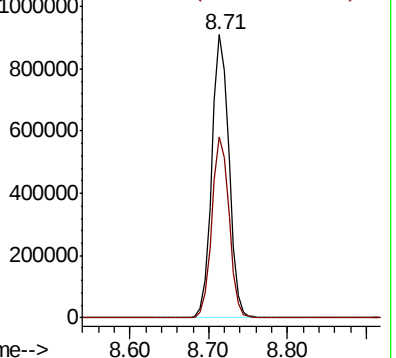
98 100

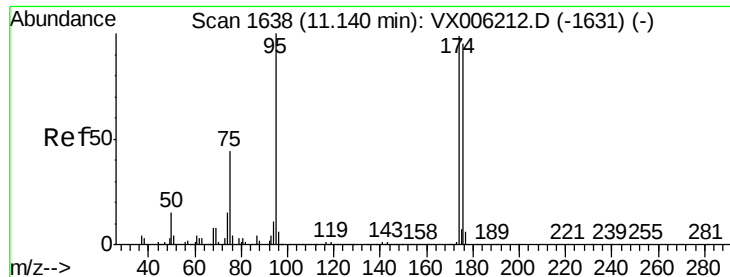
100 64.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.985 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006325.D

Acq: 06 Dec 2018 18:18

Instrument :

MSVOA_X

ClientSampleId :

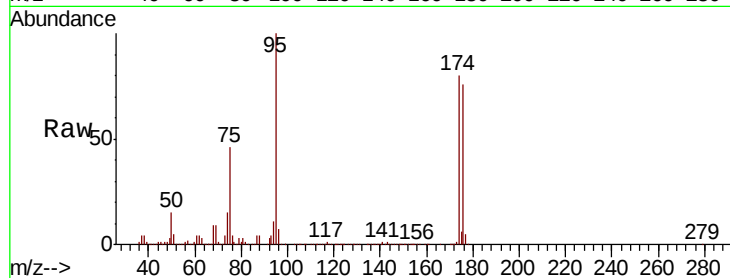
Tot Ion: 95 Resp: 511760

Ion Ratio Lower Upper

95 100

174 87.4 0.0 187.0

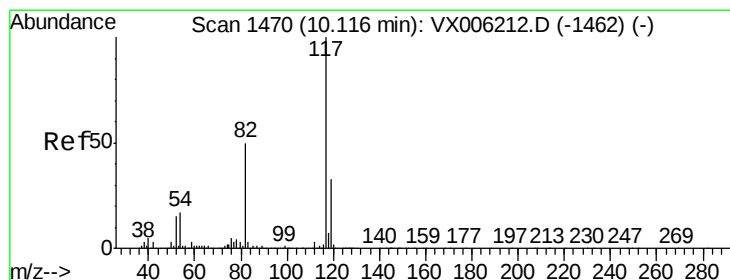
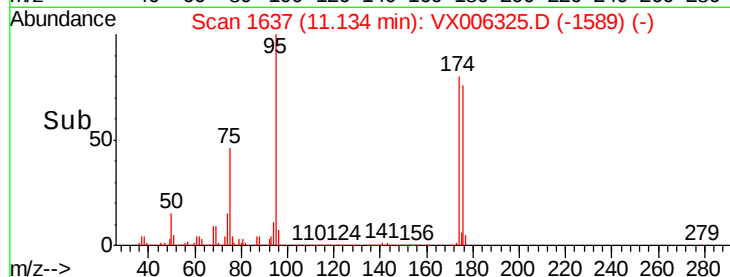
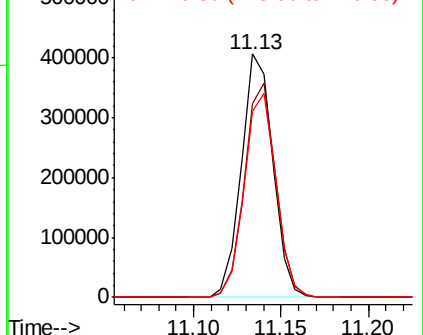
176 84.7 0.0 181.8



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. 0.00 min

Lab File: VX006325.D

Acq: 06 Dec 2018 18:18

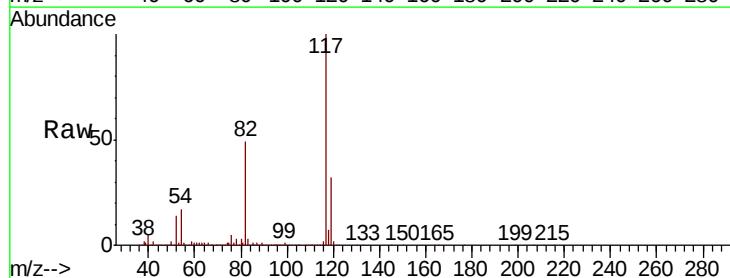
Tgt Ion: 117 Resp: 1072717

Ion Ratio Lower Upper

117 100

82 48.9 39.6 59.4

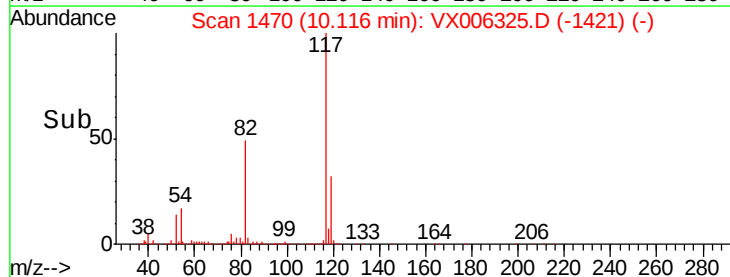
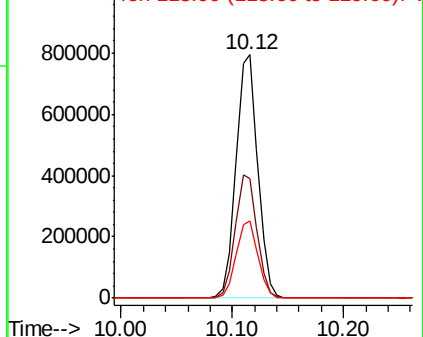
119 31.9 26.3 39.5

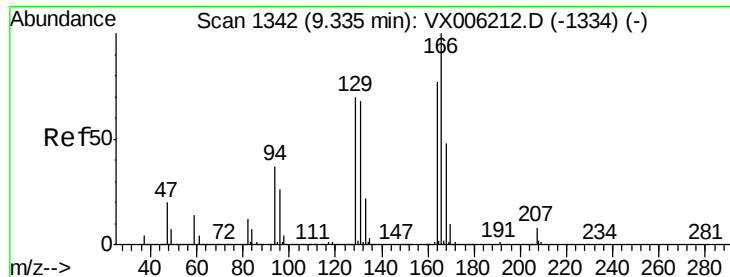


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

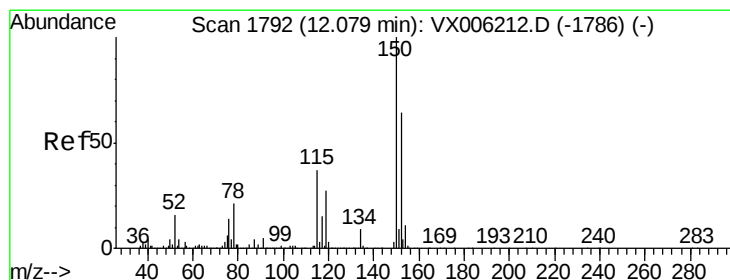
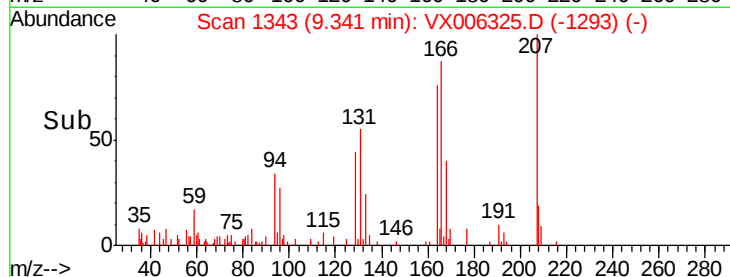
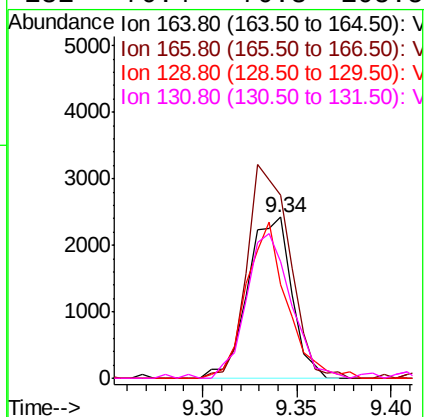
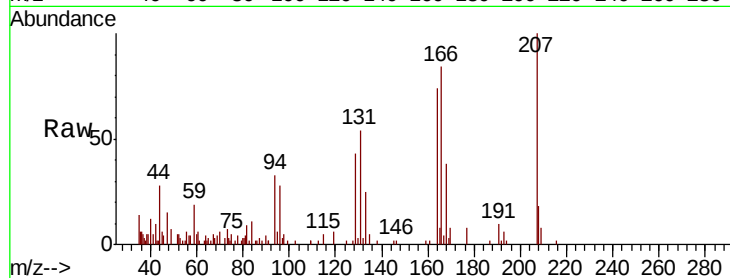




#64
Tetrachloroethene
Concen: 0.484 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX006325.D
Acq: 06 Dec 2018 18:18

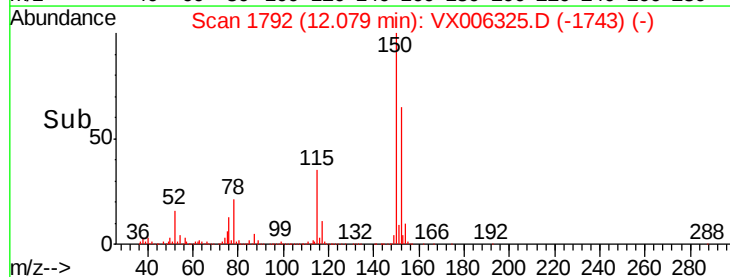
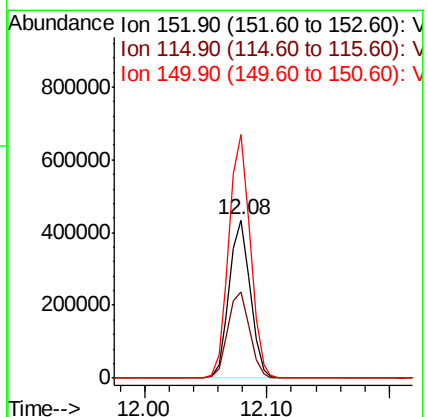
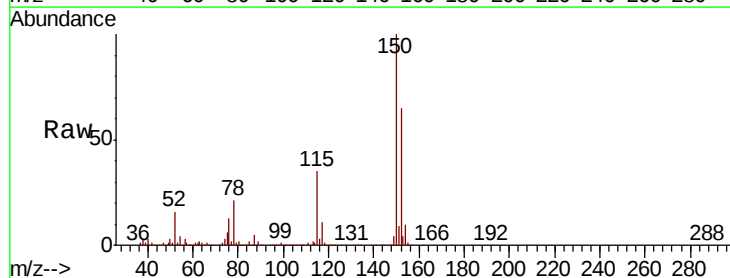
Instrument :
MSVOA_X
ClientSampled :

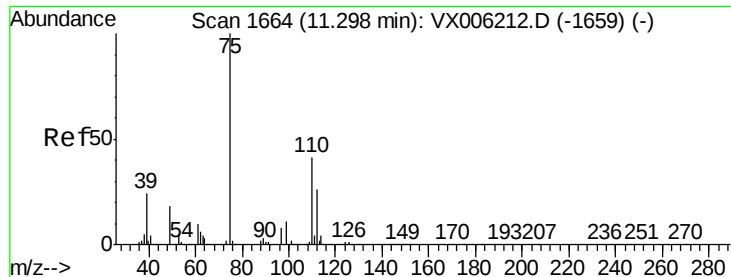
Tot Ion:164 Resp: 3914
Ion Ratio Lower Upper
164 100
166 113.5 104.2 156.2
129 57.9 72.6 108.8#
131 70.4 70.3 105.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006325.D
Acq: 06 Dec 2018 18:18

Tgt Ion:152 Resp: 515240
Ion Ratio Lower Upper
152 100
115 56.4 39.0 116.9
150 156.8 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 23.356 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006325.D

Acq: 06 Dec 2018 18:18

Instrument :

MSVOA_X

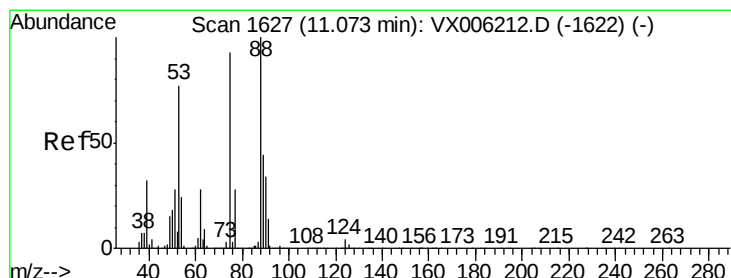
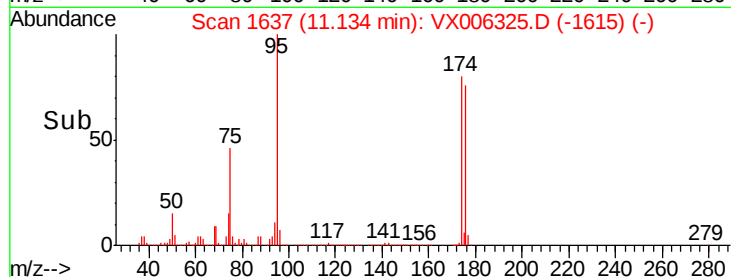
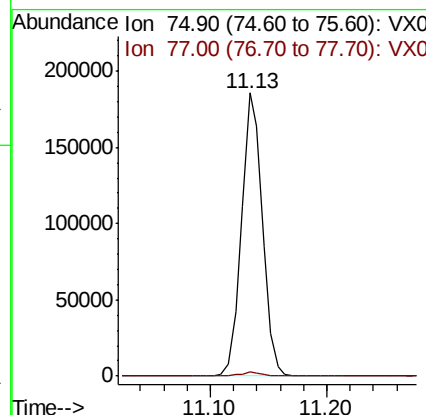
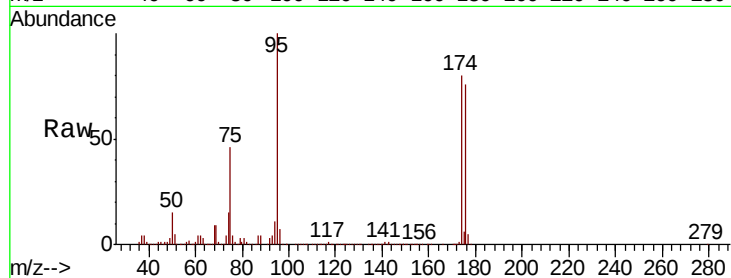
ClientSampleId :

Tot Ion: 75 Resp: 232279

Ion Ratio Lower Upper

75 100

77 1.4 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.811 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006325.D

Acq: 06 Dec 2018 18:18

Tgt Ion: 75 Resp: 232279

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.0 44.2 66.4#

