

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
 Data File : VX006397.D
 Acq On : 11 Dec 2018 04:12
 Operator : JC/MD
 Sample : J6324-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D1-20181206

Quant Time: Dec 11 05:01:11 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	708145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1108214	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1014141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	471546	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	372699	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
35) Dibromofluoromethane	5.51	113	341282	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
50) Toluene-d8	8.71	98	1306679	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
62) 4-Bromofluorobenzene	11.13	95	482830	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	

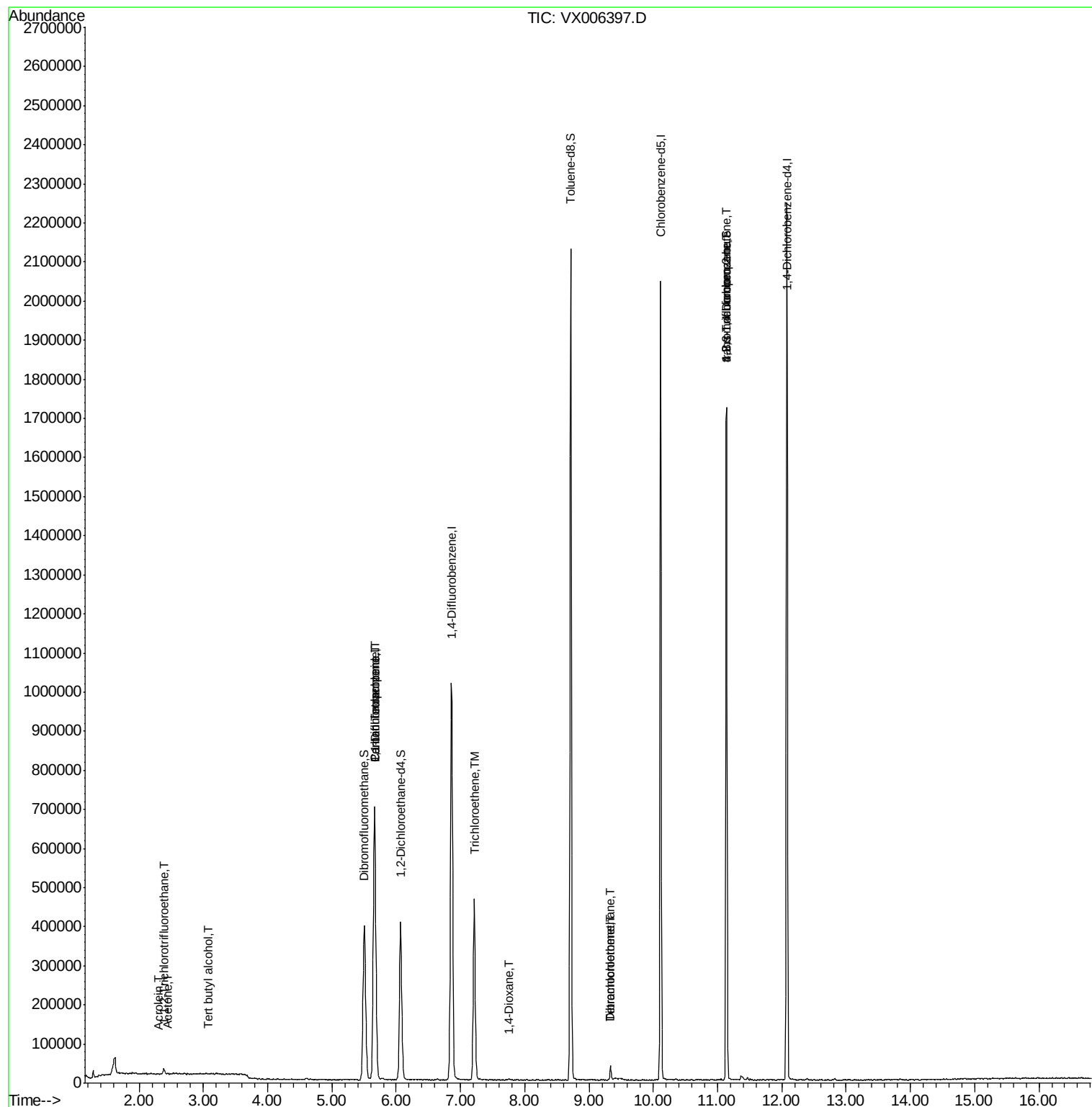
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	4225	0.631	ug/l #	89
11) Tert butyl alcohol	3.07	59	2909	1.471	ug/l #	73
13) Acrolein	2.30	56	224	0.207	ug/l #	13
16) Acetone	2.44	43	2090	0.616	ug/l #	84
36) 1,1-Dichloropropene	5.67	75	46775	5.012	ug/l #	49
38) Carbon Tetrachloride	5.67	117	65450	5.962	ug/l #	16
44) Trichloroethene	7.21	130	189475	22.377	ug/l	95
49) 1,4-Dioxane	7.76	88	2515	12.038	ug/l	93
60) Dibromochloromethane	9.33	129	5875	0.638	ug/l #	13
64) Tetrachloroethene	9.34	164	6036	0.790	ug/l	86
76) 1,2,3-Trichloropropane	11.13	75	223298	24.534	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	223298	57.574	ug/l #	15

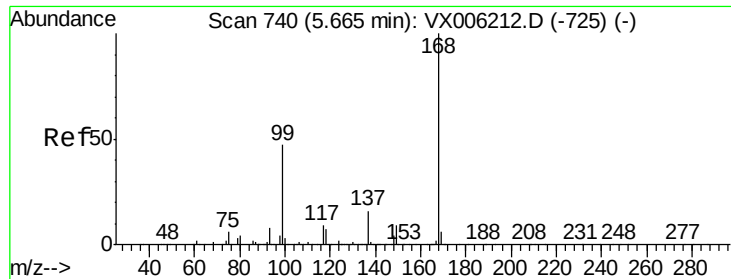
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006397.D

Acq: 11 Dec 2018 04:12

Instrument :

MSVOA_X

ClientSampleId :

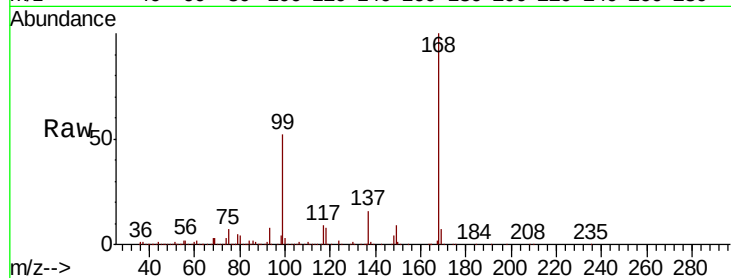
RE-109D1-20181206

Tot Ion:168 Resp: 708145

Ion Ratio Lower Upper

168 100

99 52.1 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

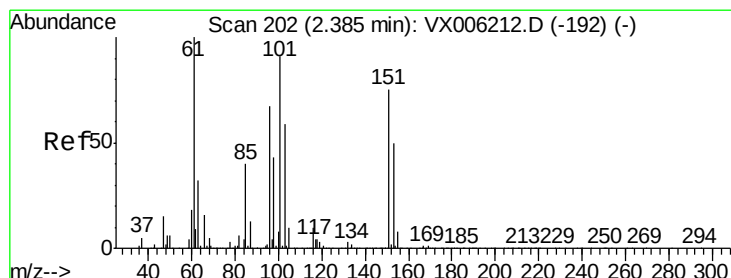
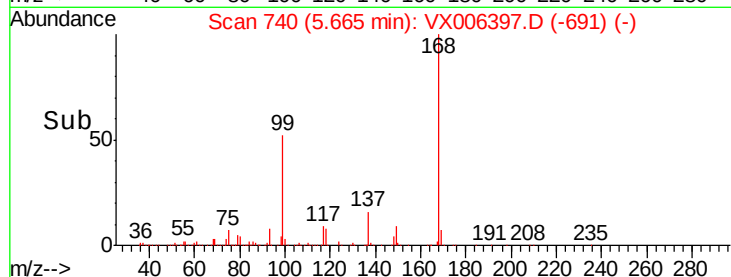
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100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.631 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX006397.D

Acq: 11 Dec 2018 04:12

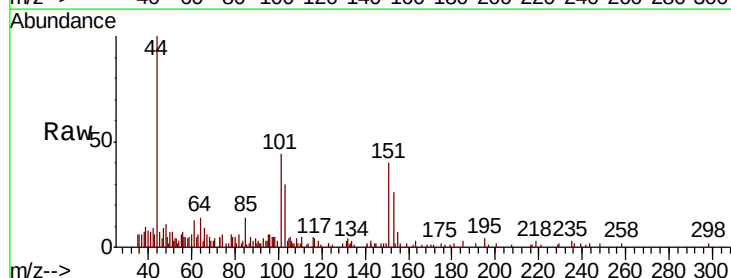
Tgt Ion:101 Resp: 4225

Ion Ratio Lower Upper

101 100

85 54.7 35.5 53.3#

151 93.2 68.6 103.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.39

2500

2000

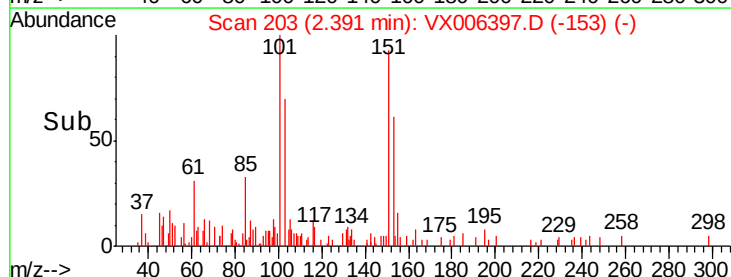
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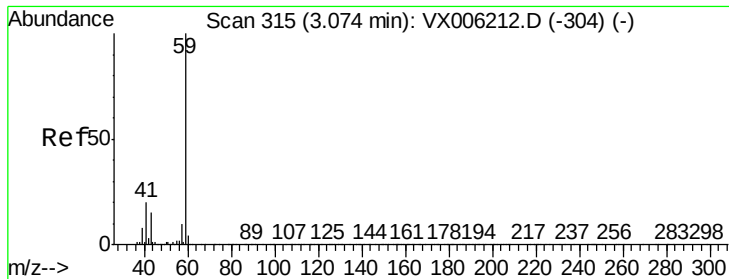
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500

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Time-->

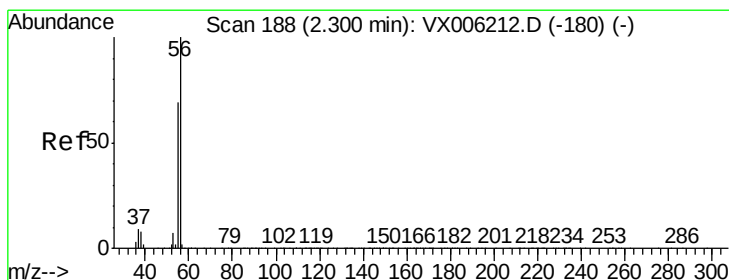
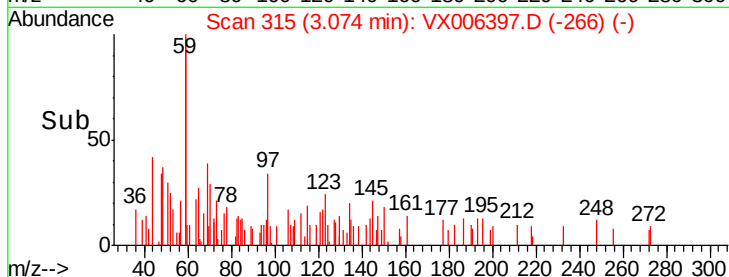
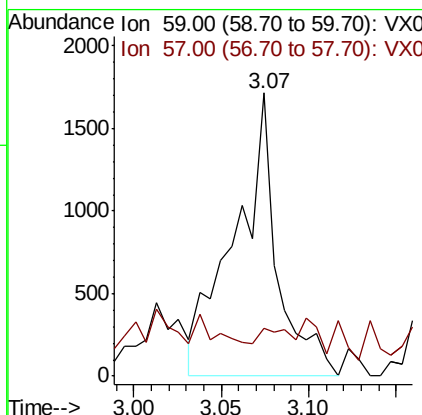
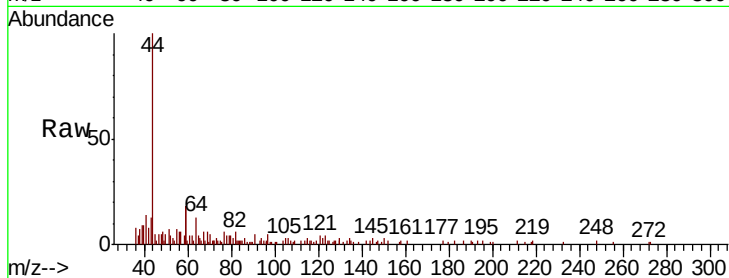




#11
Tert butyl alcohol
Concen: 1.471 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006397.D
Acq: 11 Dec 2018 04:12

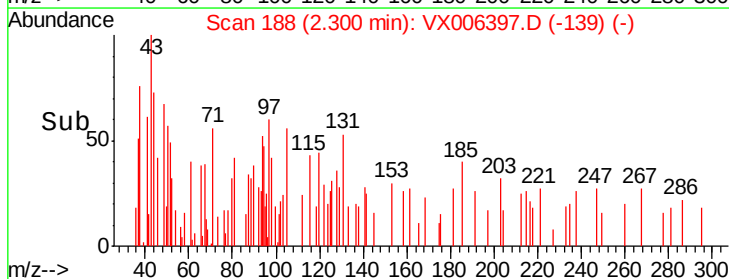
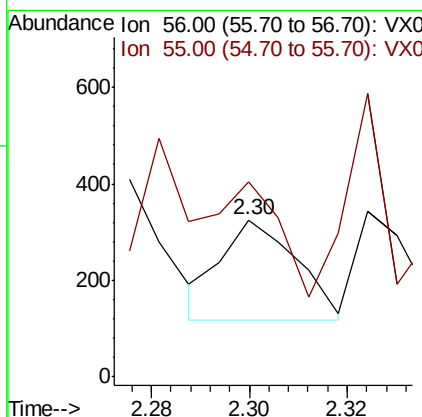
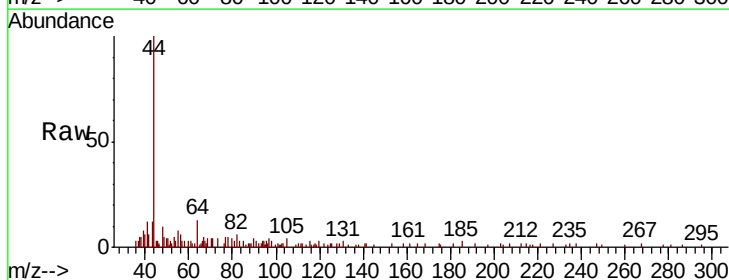
Instrument :
MSVOA_X
ClientSampleId :
RE-109D1-20181206

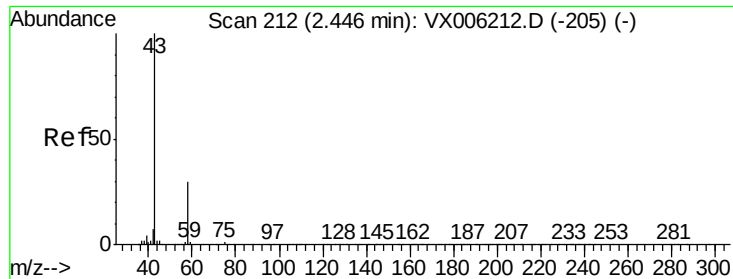
Tot Ion: 59 Resp: 2909
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.207 ug/l
RT: 2.30 min Scan# 188
Delta R.T. -0.00 min
Lab File: VX006397.D
Acq: 11 Dec 2018 04:12

Tgt Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
55 0.0 57.8 86.6#

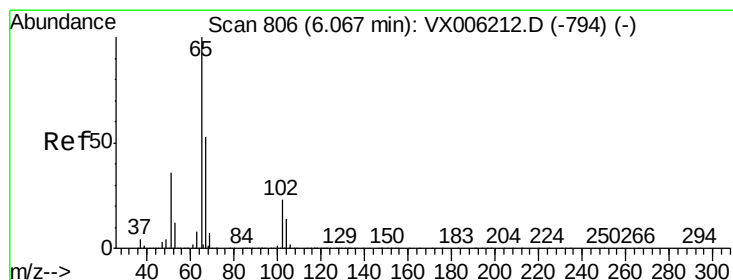
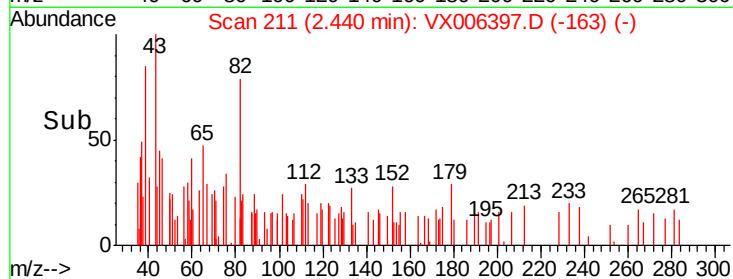
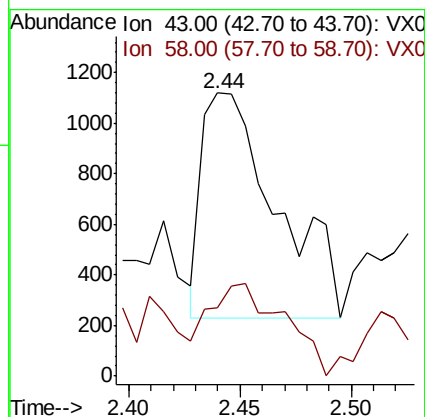
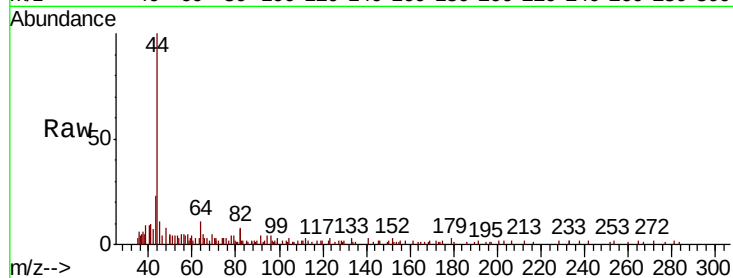




#16
Acetone
Concen: 0.616 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX006397.D
Acq: 11 Dec 2018 04:12

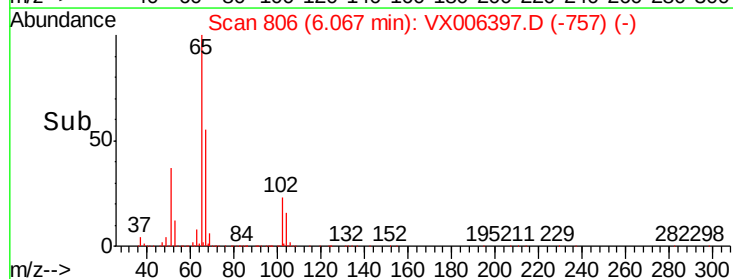
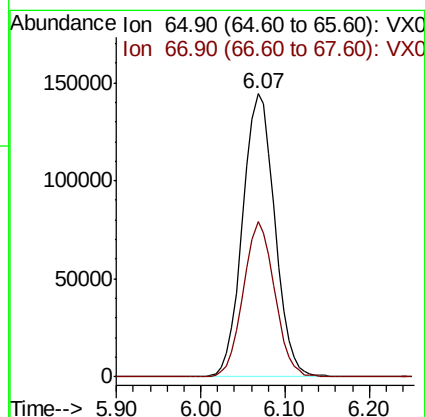
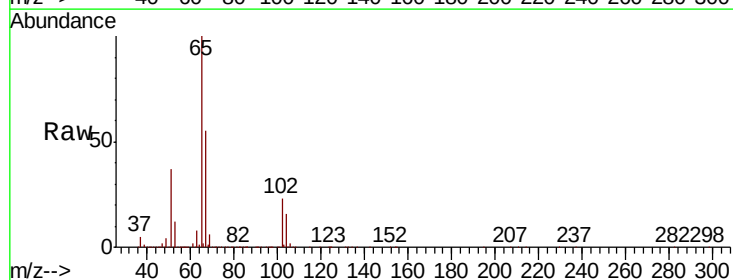
Instrument :
MSVOA_X
ClientSampleId :
RE-109D1-20181206

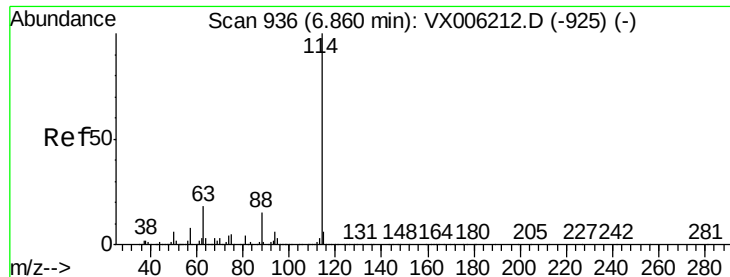
Tot Ion: 43 Resp: 2090
Ion Ratio Lower Upper
43 100
58 21.3 24.0 36.0#



#33
1,2-Dichloroethane-d4
Concen: 51.556 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX006397.D
Acq: 11 Dec 2018 04:12

Tgt Ion: 65 Resp: 372699
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.2

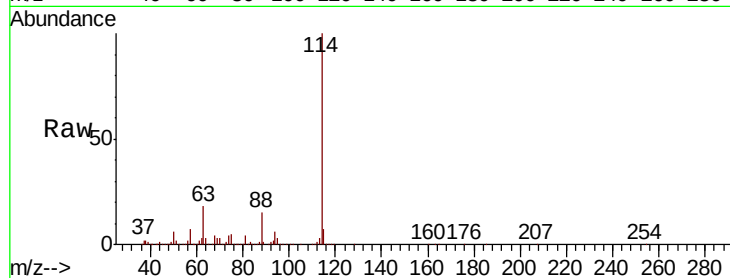




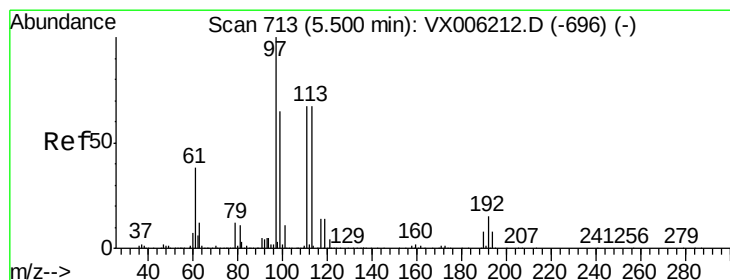
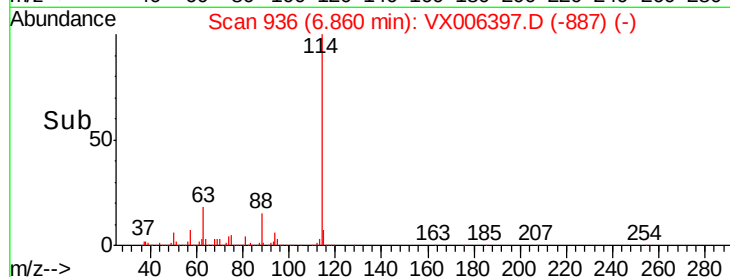
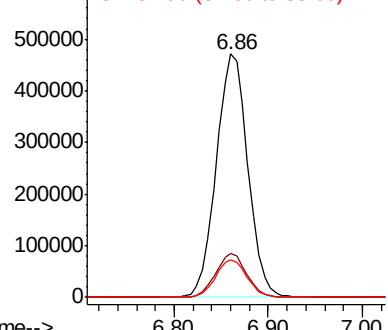
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006397.D
 Acq: 11 Dec 2018 04:12

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D1-20181206

Tot Ion:114 Resp: 1108214
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.6
 88 15.2 0.0 29.0

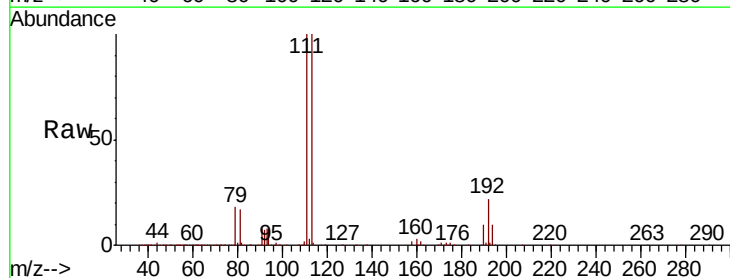


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

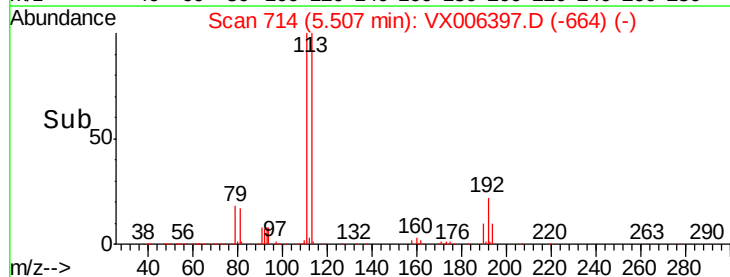
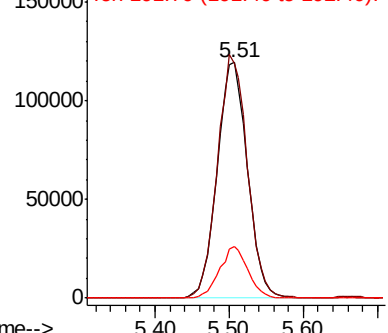


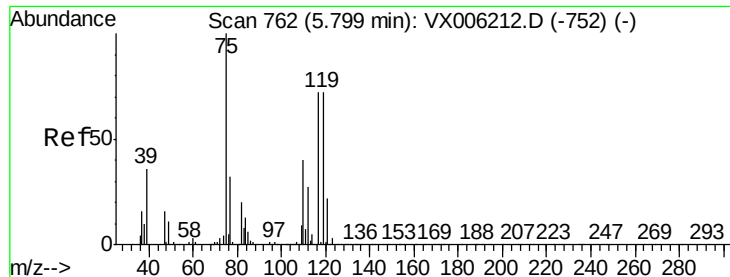
#35
 Dibromofluoromethane
 Concen: 47.564 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX006397.D
 Acq: 11 Dec 2018 04:12

Tgt Ion:113 Resp: 341282
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.1 121.7
 192 20.5 18.2 27.2



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

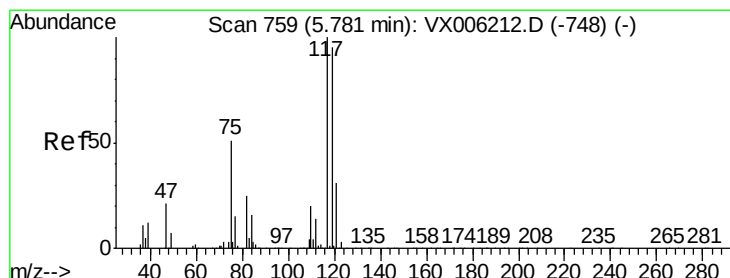
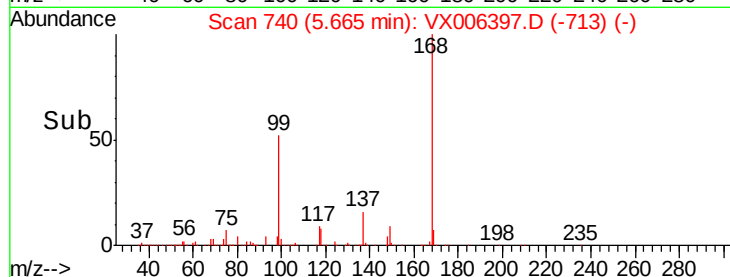
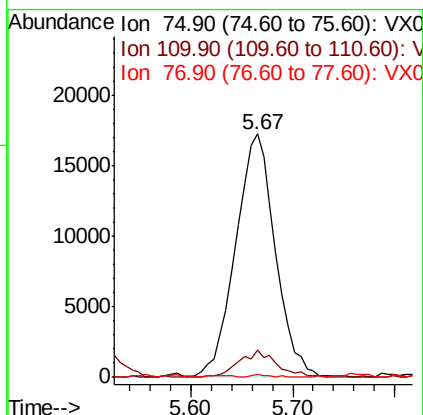
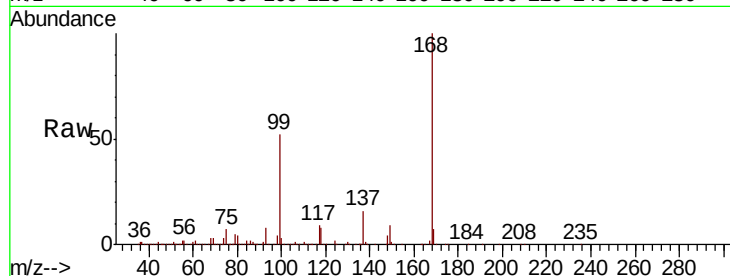




#36
 1,1-Dichloropropene
 Concen: 5.012 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006397.D
 Acq: 11 Dec 2018 04:12

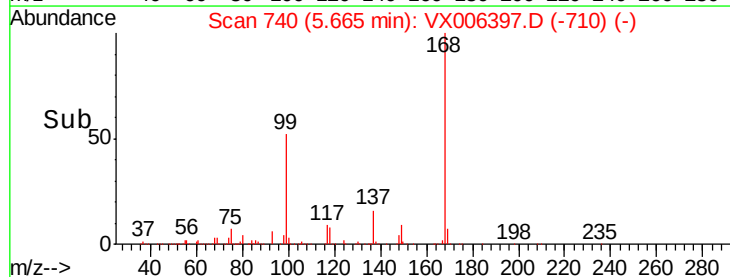
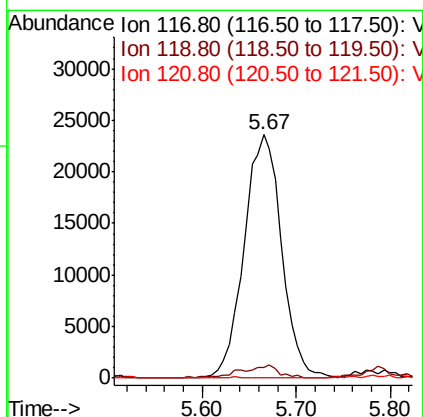
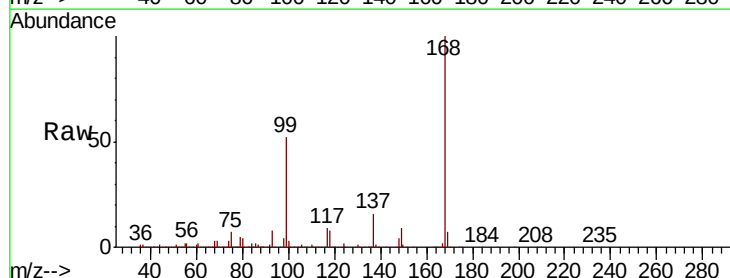
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D1-20181206

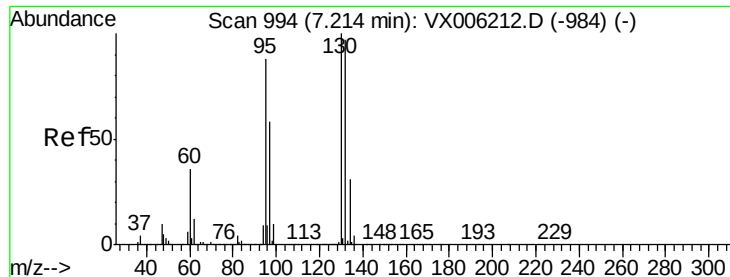
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.6	20.4	61.3#
77	0.6	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.962 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX006397.D
 Acq: 11 Dec 2018 04:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	75.8	113.8#
121	0.0	24.6	37.0#





#44

Trichloroethene

Concen: 22.377 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006397.D

Acq: 11 Dec 2018 04:12

Instrument :

MSVOA_X

ClientSampleId :

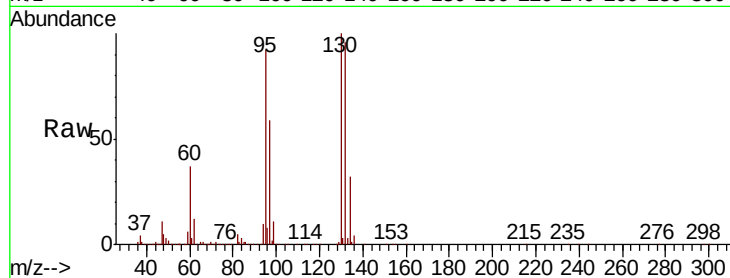
RE-109D1-20181206

Tot Ion:130 Resp: 189475

Ion Ratio Lower Upper

130 100

95 92.3 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

100000

80000

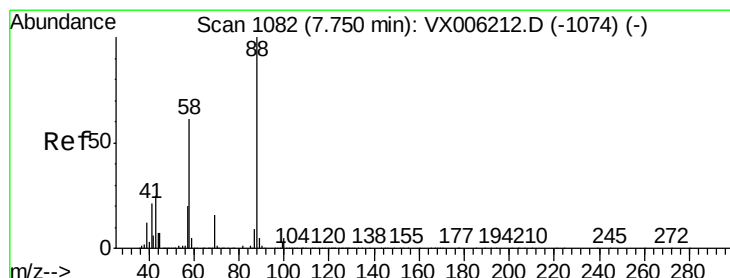
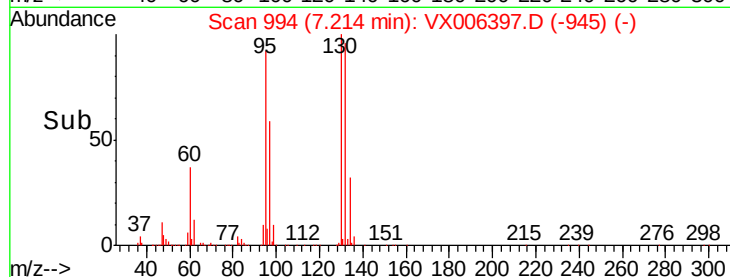
60000

40000

20000

0

Time-->



#49

1,4-Dioxane

Concen: 12.038 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006397.D

Acq: 11 Dec 2018 04:12

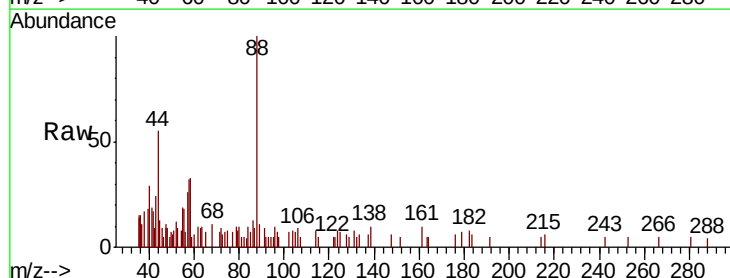
Tgt Ion: 88 Resp: 2515

Ion Ratio Lower Upper

88 100

43 28.6 23.2 34.8

58 71.5 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

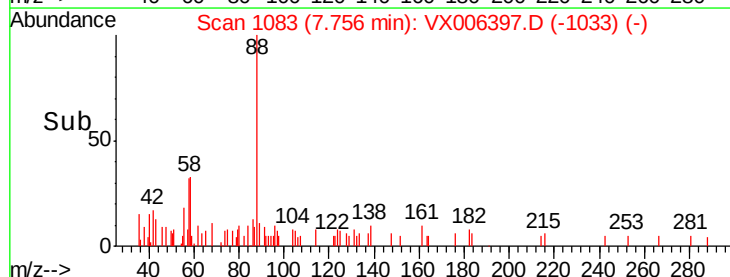
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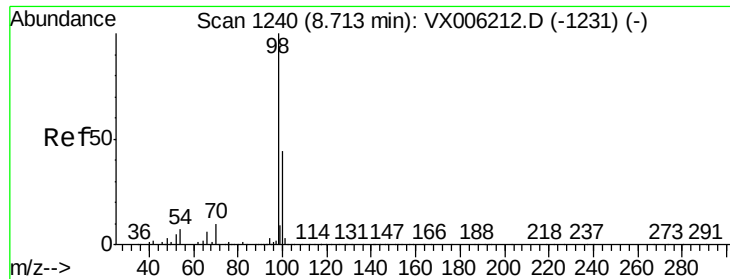
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500

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Time-->





#50

Toluene-d8

Concen: 50.065 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006397.D

Acq: 11 Dec 2018 04:12

Instrument :

MSVOA_X

ClientSampleId :

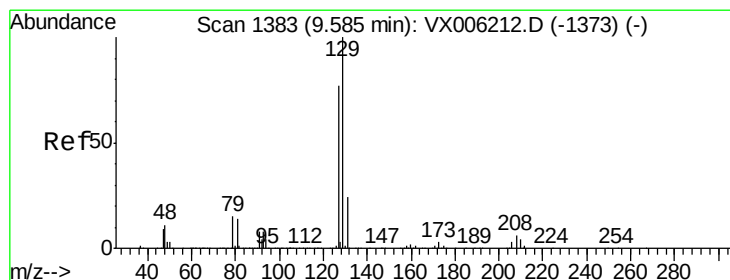
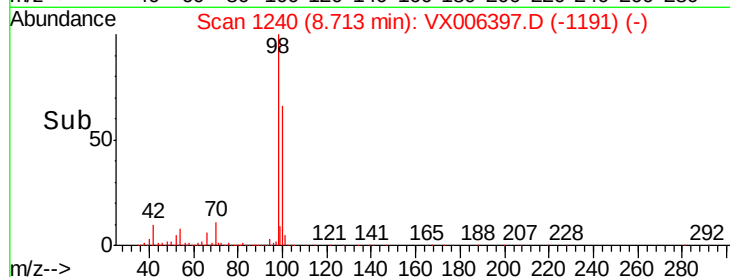
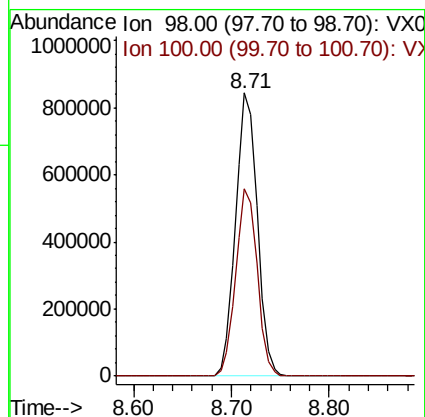
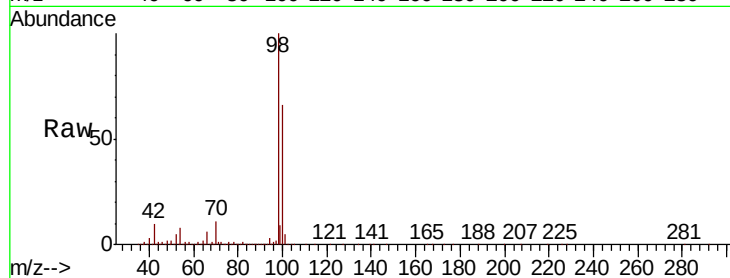
RE-109D1-20181206

Tot Ion: 98 Resp: 1306679

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



#60

Dibromochloromethane

Concen: 0.638 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.26 min

Lab File: VX006397.D

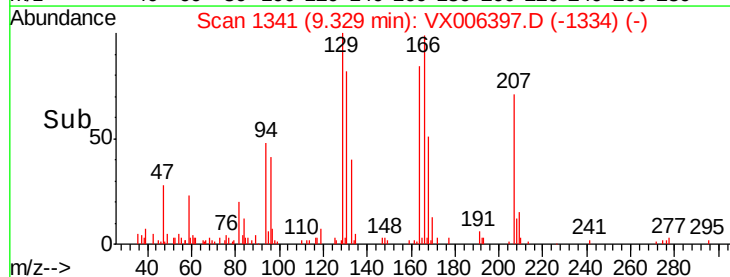
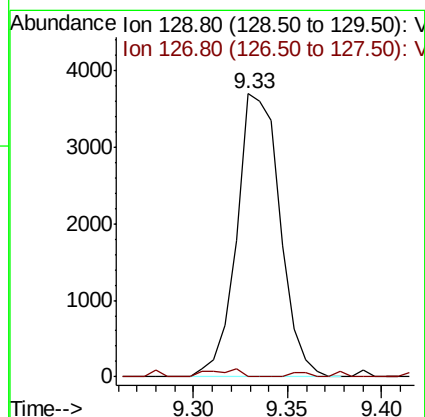
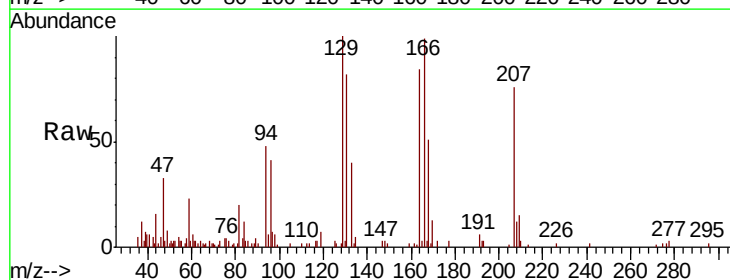
Acq: 11 Dec 2018 04:12

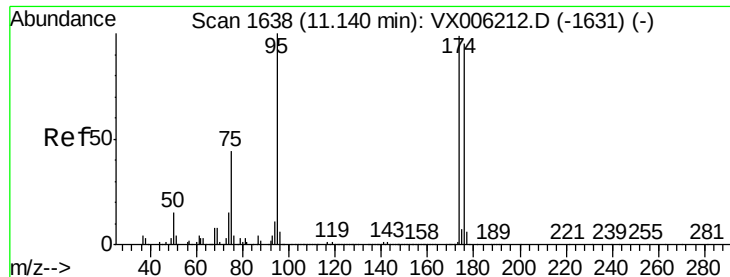
Tgt Ion: 129 Resp: 5875

Ion Ratio Lower Upper

129 100

127 2.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 49.093 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006397.D

Acq: 11 Dec 2018 04:12

Instrument :

MSVOA_X

ClientSampleId :

RE-109D1-20181206

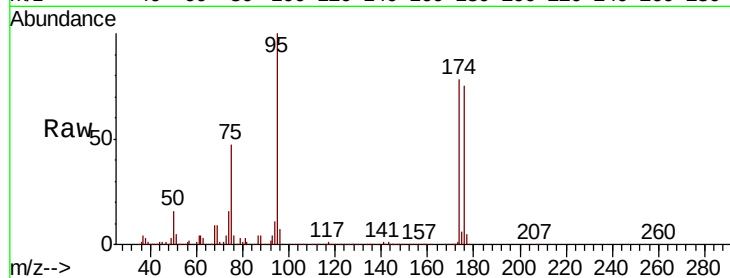
Tot Ion: 95 Resp: 482830

Ion Ratio Lower Upper

95 100

174 84.7 0.0 187.0

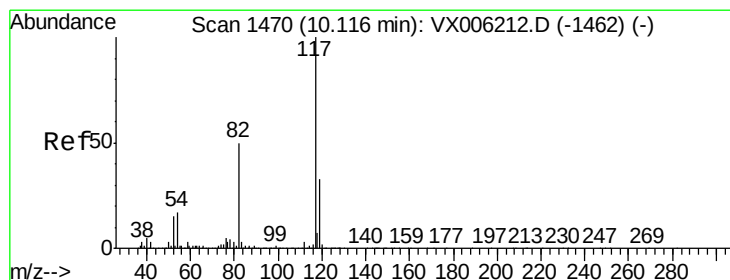
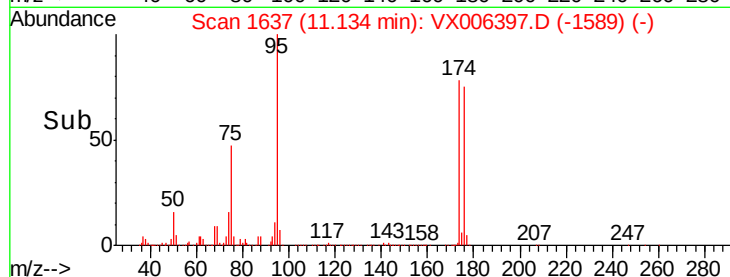
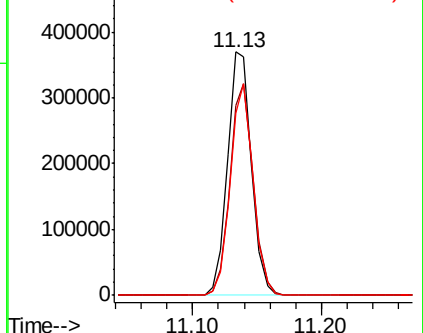
176 82.9 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX006212.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006212.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006212.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006397.D

Acq: 11 Dec 2018 04:12

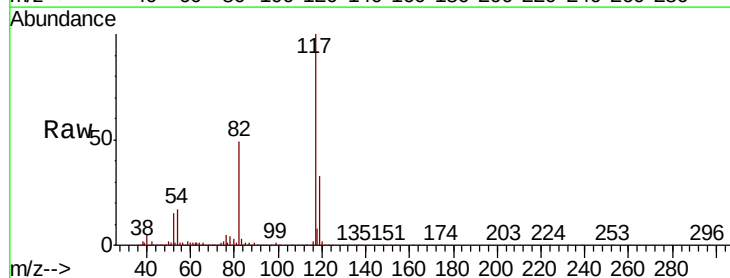
Tgt Ion: 117 Resp: 1014141

Ion Ratio Lower Upper

117 100

82 49.5 39.6 59.4

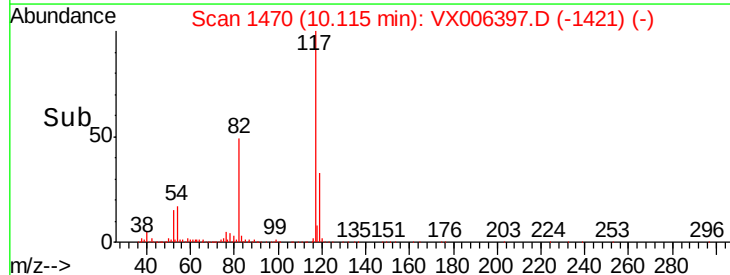
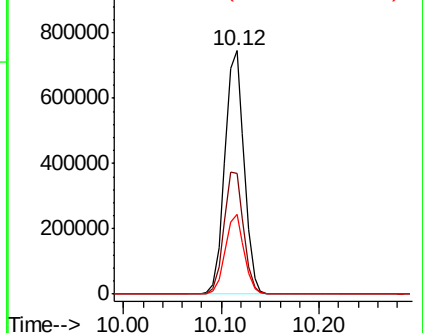
119 32.6 26.3 39.5

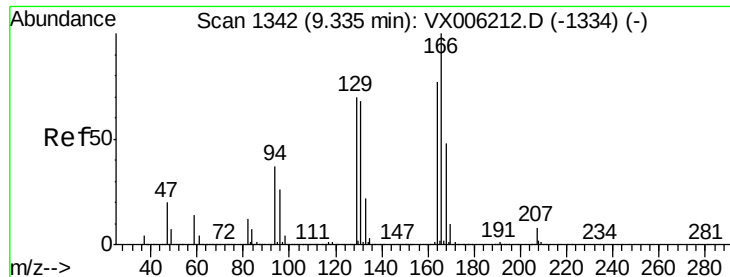


Abundance Ion 116.90 (116.60 to 117.60): VX006212.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006212.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006212.D (-1462) (-)





#64

Tetrachloroethene

Concen: 0.790 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX006397.D

Acq: 11 Dec 2018 04:12

Instrument :

MSVOA_X

ClientSampleId :

RE-109D1-20181206

Tot Ion:164 Resp: 6036

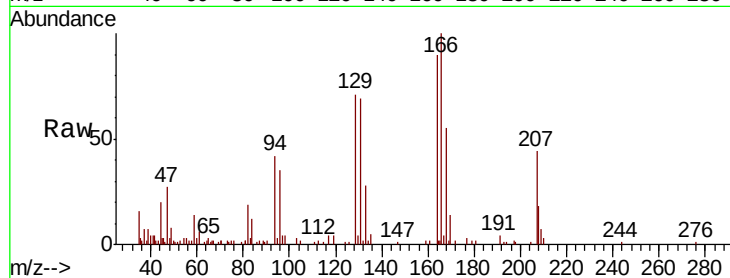
Ion Ratio Lower Upper

164 100

166 109.7 104.2 156.2

129 78.9 72.6 108.8

131 76.7 70.3 105.5



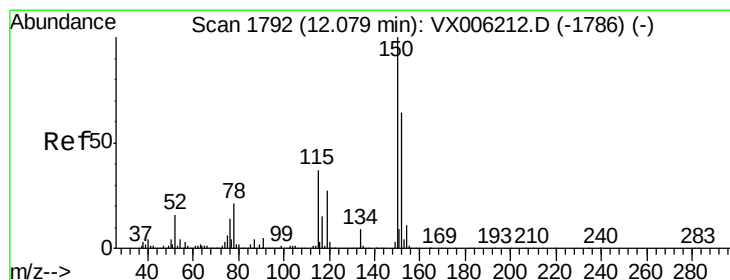
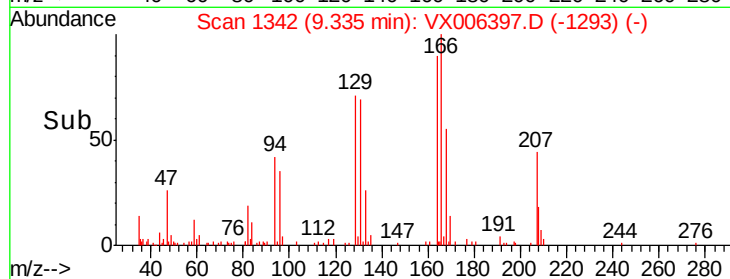
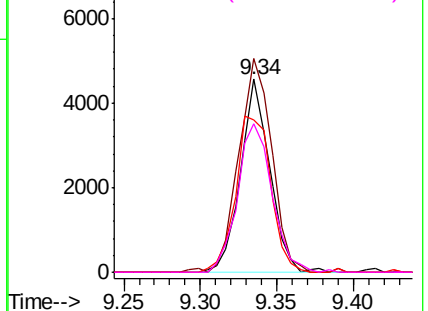
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX006397.D

Acq: 11 Dec 2018 04:12

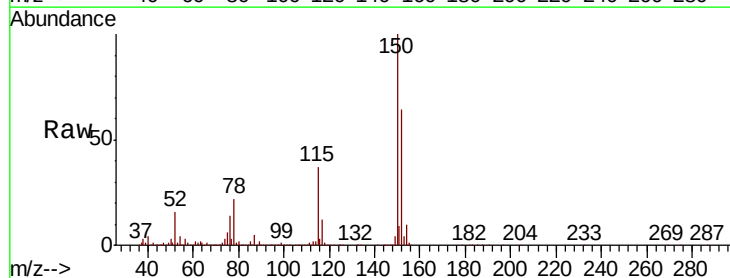
Tgt Ion:152 Resp: 471546

Ion Ratio Lower Upper

152 100

115 57.2 39.0 116.9

150 157.0 0.0 345.8

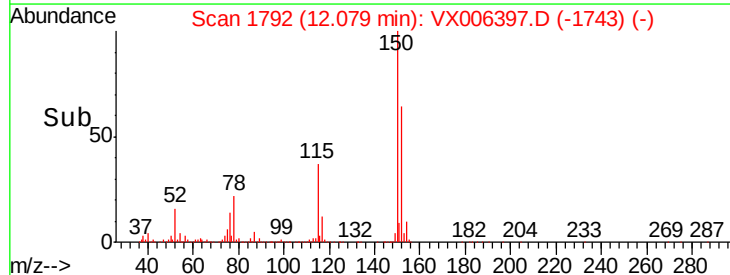
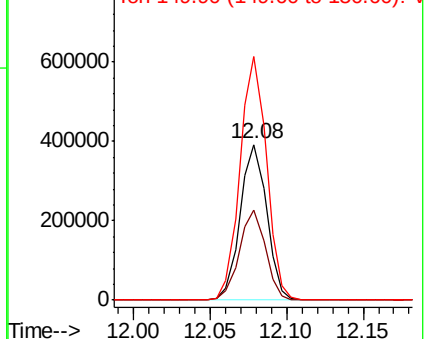


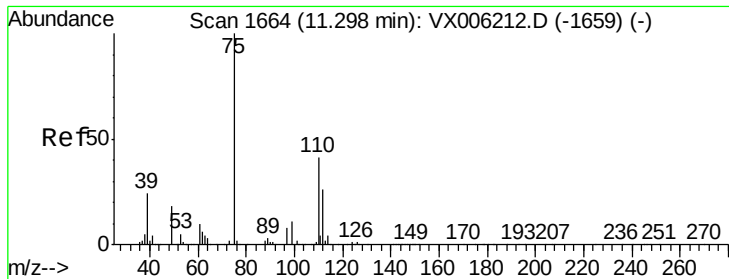
Abundance

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: 24.534 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006397.D

Acq: 11 Dec 2018 04:12

Instrument :

MSVOA_X

ClientSampleId :

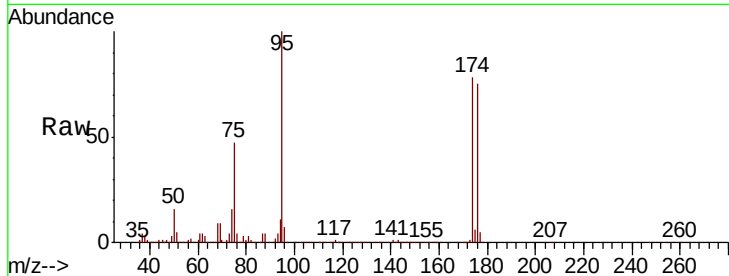
RE-109D1-20181206

Tot Ion: 75 Resp: 223298

Ion Ratio Lower Upper

75 100

77 1.1 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

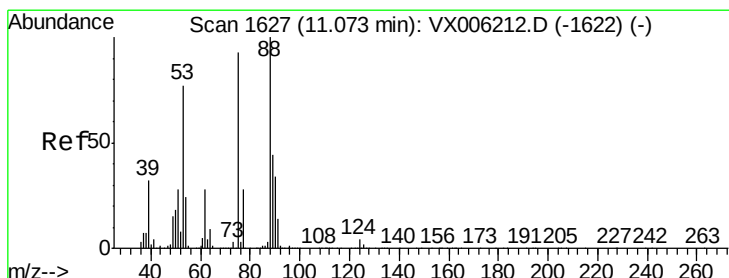
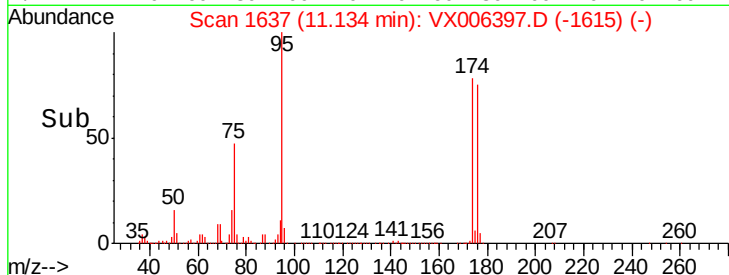
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 57.574 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006397.D

Acq: 11 Dec 2018 04:12

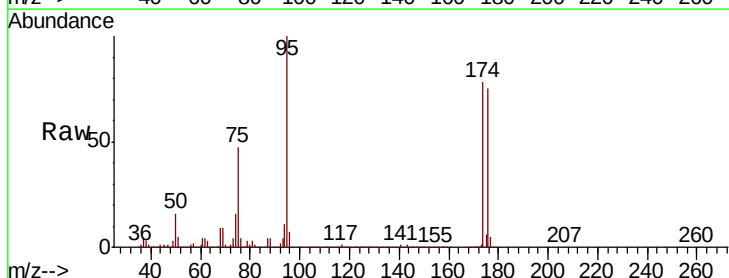
Tgt Ion: 75 Resp: 223298

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.1 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

11.13

150000

100000

50000

0

Time-->

