

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031219\
 Data File : VX008022.D
 Acq On : 12 Mar 2019 17:54
 Operator : JC/SP
 Sample : K1841-10DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20190308DL

Quant Time: Mar 13 05:21:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

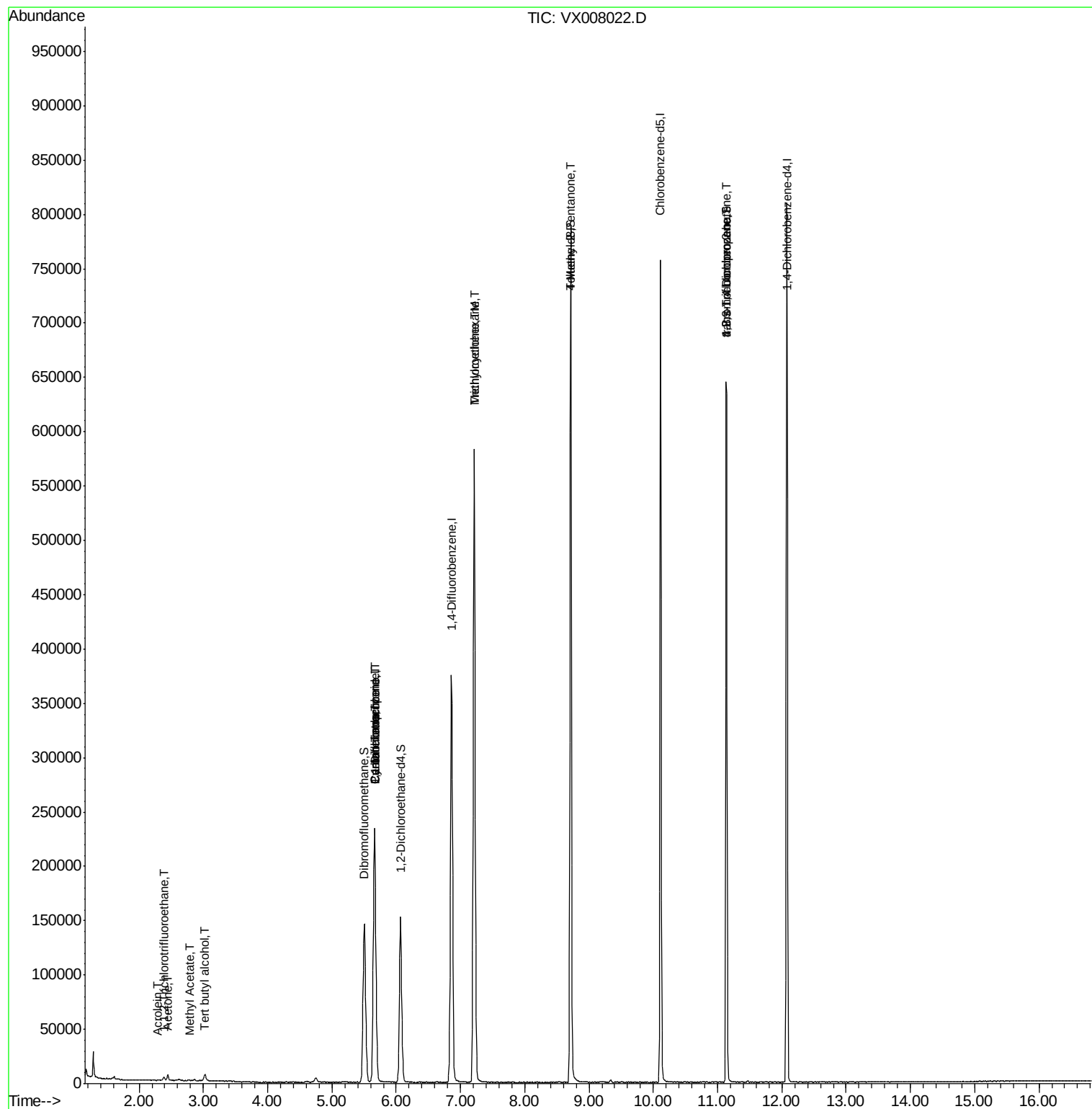
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387775	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	373606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179114	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	138078	52.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.66%	
35) Dibromofluoromethane	5.51	113	127264	51.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.62%	
50) Toluene-d8	8.71	98	477904	52.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.92%	
62) 4-Bromofluorobenzene	11.13	95	173728	54.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.78%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	208	Below Cal		99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	991	0.453 ug/l		96
11) Tert butyl alcohol	3.02	59	3737	6.394 ug/l #		74
13) Acrolein	2.29	56	19	1.598 ug/l #		54
16) Acetone	2.45	43	5864	3.877 ug/l		93
17) Carbon Disulfide	2.57	76	582	Below Cal #		49
18) Methyl Acetate	2.78	43	801	0.249 ug/l #		85
31) Cyclohexane	5.67	56	3685	0.918 ug/l #		1
36) 1,1-Dichloropropene	5.66	75	15199	4.329 ug/l #		50
38) Carbon Tetrachloride	5.67	117	21164	6.349 ug/l #		17
39) Methylcyclohexane	7.21	83	2670	0.628 ug/l #		1
44) Trichloroethene	7.21	130	239298	83.070 ug/l		99
51) 4-Methyl-2-Pentanone	8.71	43	1874	0.473 ug/l #		1
76) 1,2,3-Trichloropropane	11.13	75	79223	21.078 ug/l #		39
81) trans-1,4-Dichloro-2-buten	11.13	75	79223	67.376 ug/l #		11

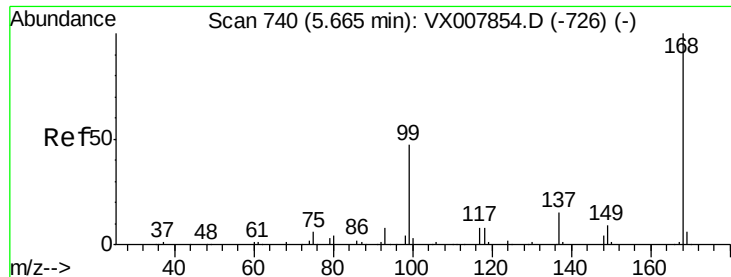
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008022.D

Acq: 12 Mar 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

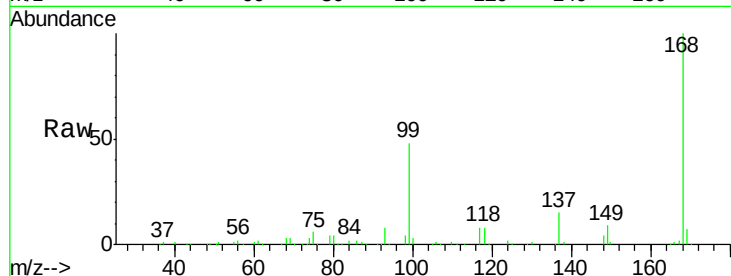
RE103D2-20190308DL

Tot Ion:168 Resp: 247742

Ion Ratio Lower Upper

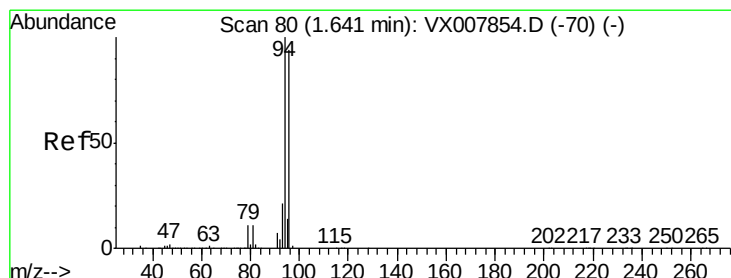
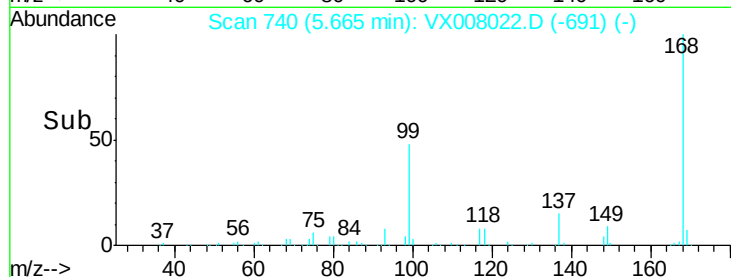
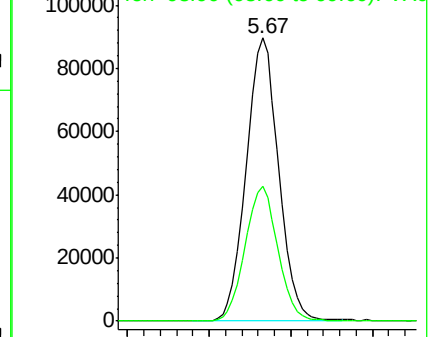
168 100

99 47.7 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008022.D

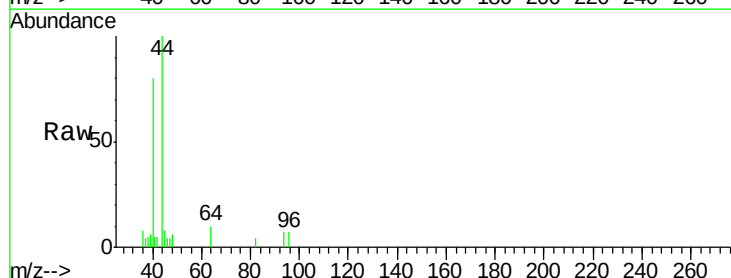
Acq: 12 Mar 2019 17:54

Tgt Ion: 94 Resp: 208

Ion Ratio Lower Upper

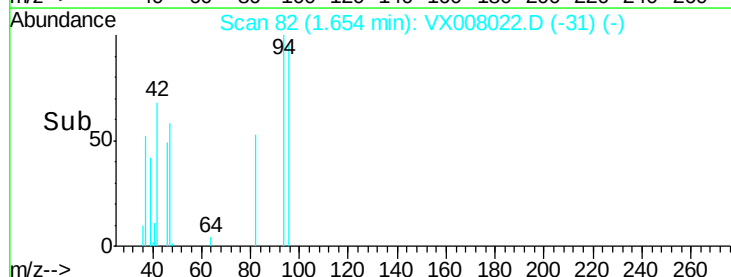
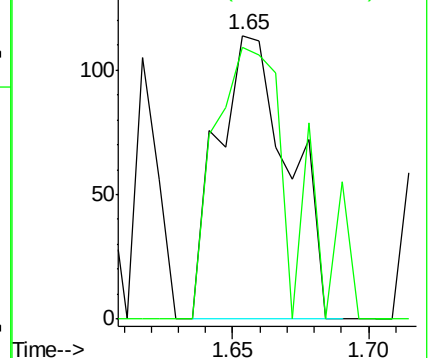
94 100

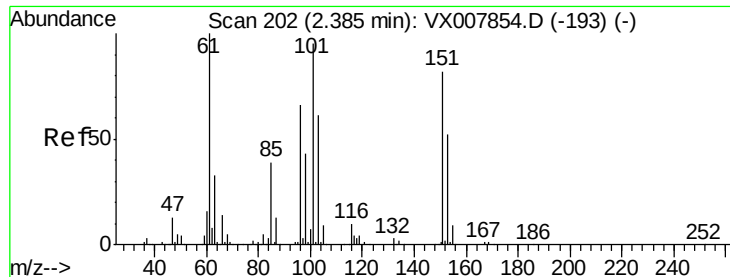
96 95.6 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.453 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008022.D

Acq: 12 Mar 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20190308DL

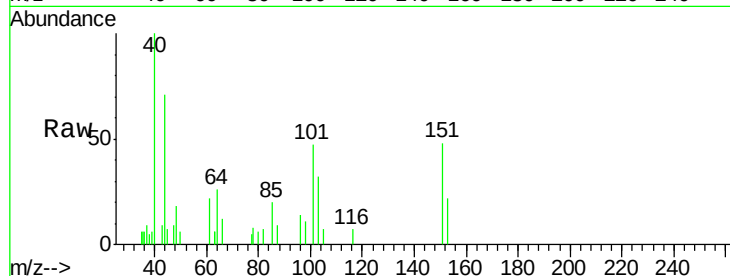
Tot Ion:101 Resp: 991

Ion Ratio Lower Upper

101 100

85 40.3 33.8 50.6

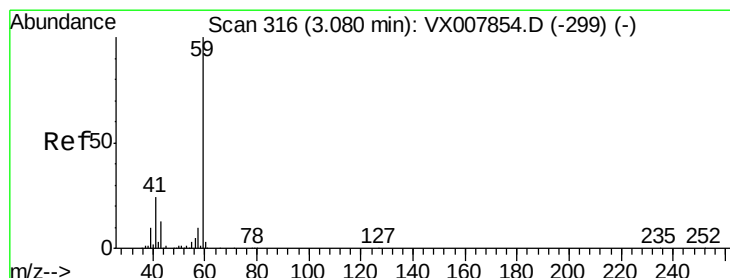
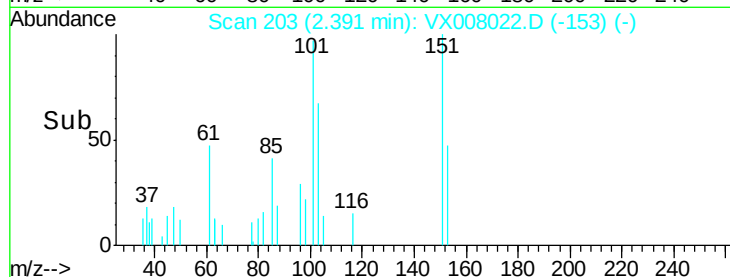
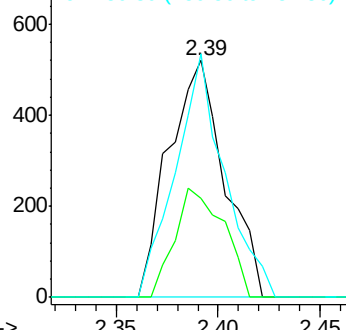
151 90.2 69.1 103.7



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



#11

Tert butyl alcohol

Concen: 6.394 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX008022.D

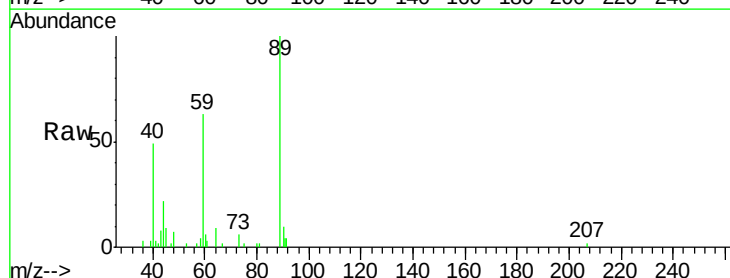
Acq: 12 Mar 2019 17:54

Tgt Ion: 59 Resp: 3737

Ion Ratio Lower Upper

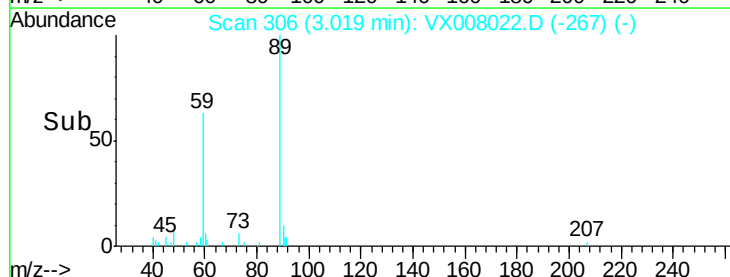
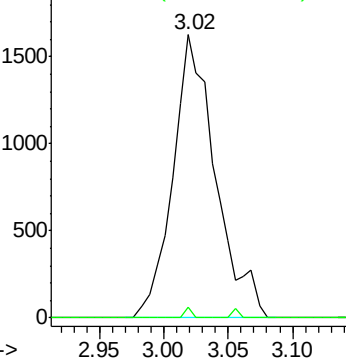
59 100

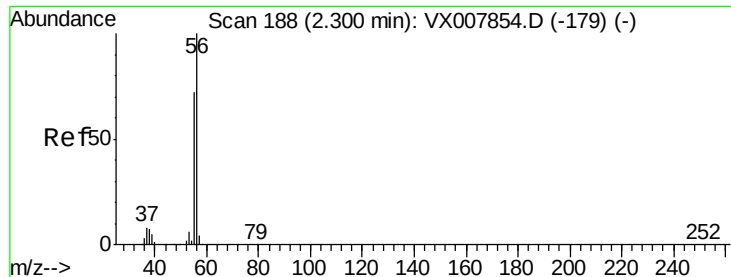
57 0.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.598 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008022.D

Acq: 12 Mar 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

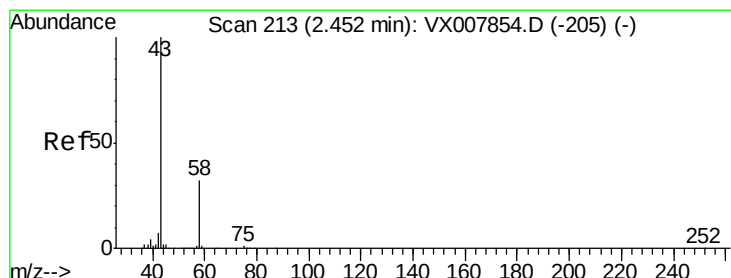
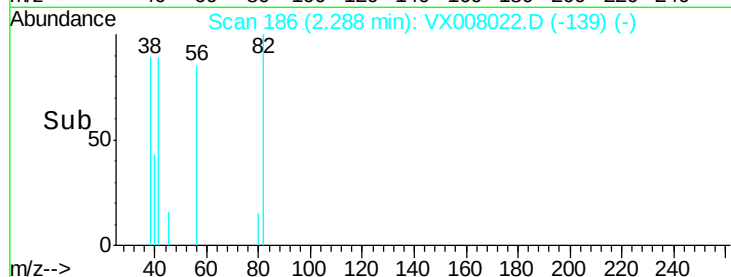
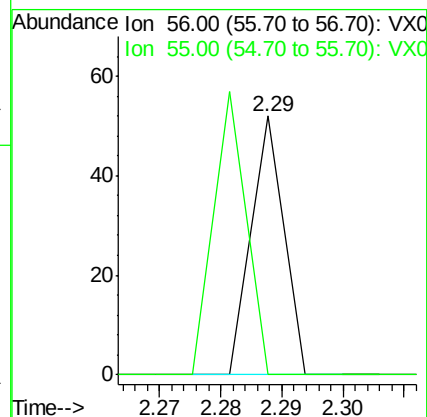
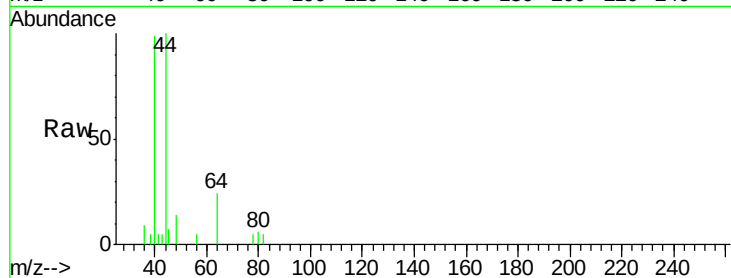
RE103D2-20190308DL

Tot Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 110.5 57.8 86.6#



#16

Acetone

Concen: 3.877 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008022.D

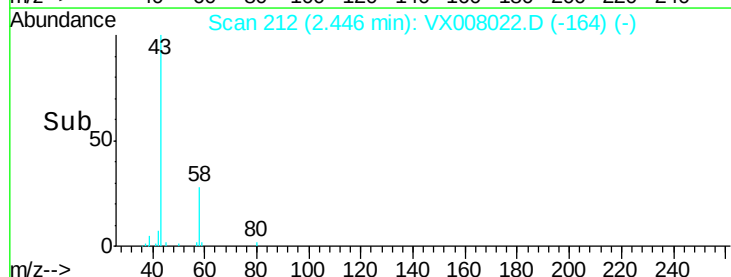
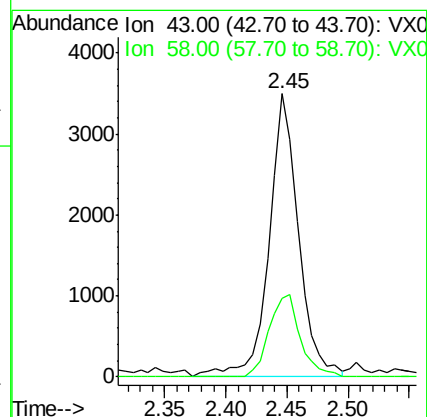
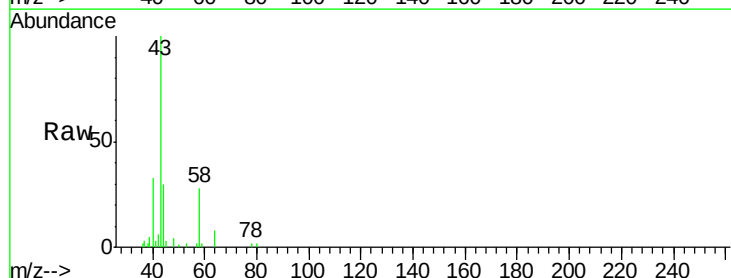
Acq: 12 Mar 2019 17:54

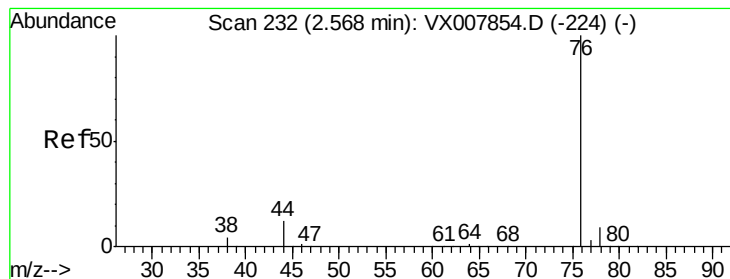
Tgt Ion: 43 Resp: 5864

Ion Ratio Lower Upper

43 100

58 27.9 25.5 38.3





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008022.D

Acq: 12 Mar 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

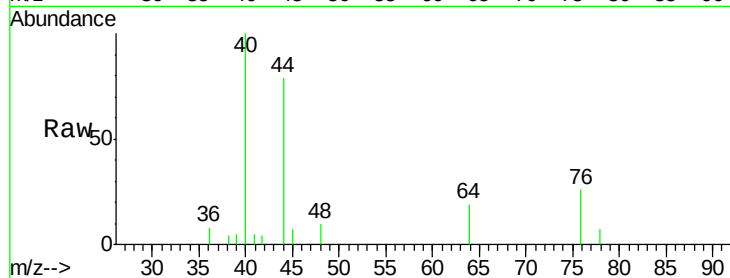
RE103D2-20190308DL

Tot Ion: 76 Resp: 582

Ion Ratio Lower Upper

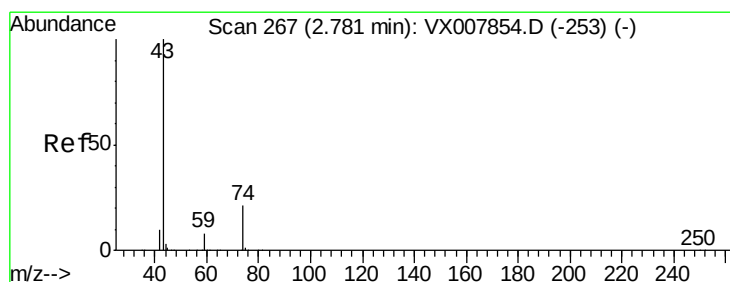
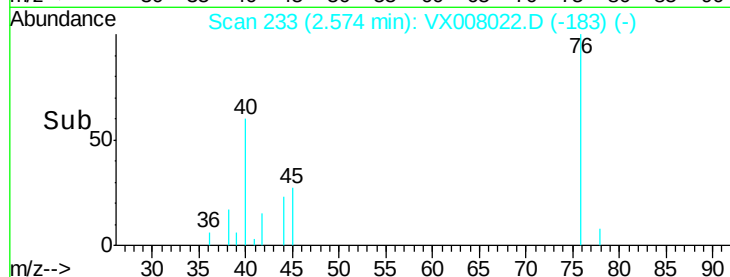
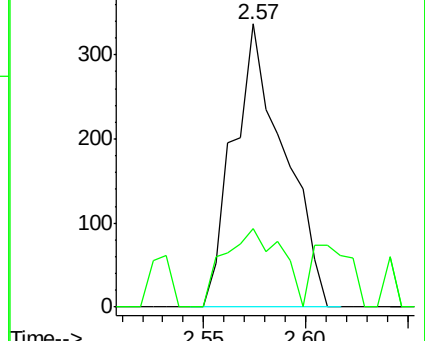
76 100

78 27.6 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.249 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX008022.D

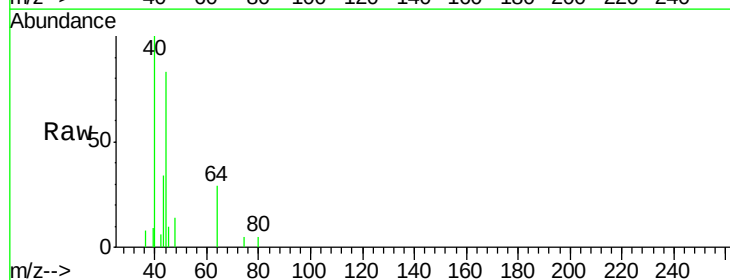
Acq: 12 Mar 2019 17:54

Tgt Ion: 43 Resp: 801

Ion Ratio Lower Upper

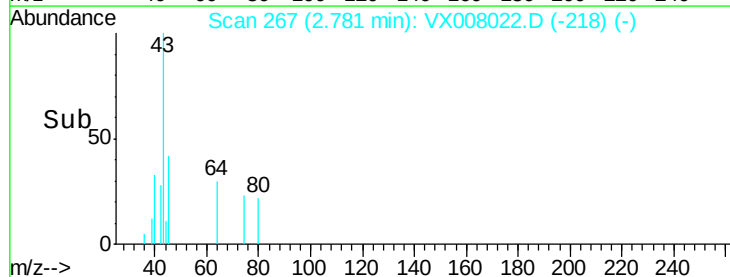
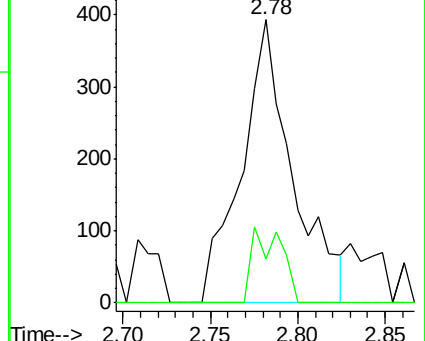
43 100

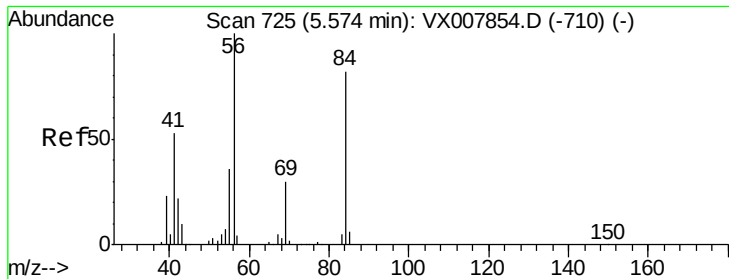
74 15.1 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#31

Cyclohexane

Concen: 0.918 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008022.D

Acq: 12 Mar 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20190308DL

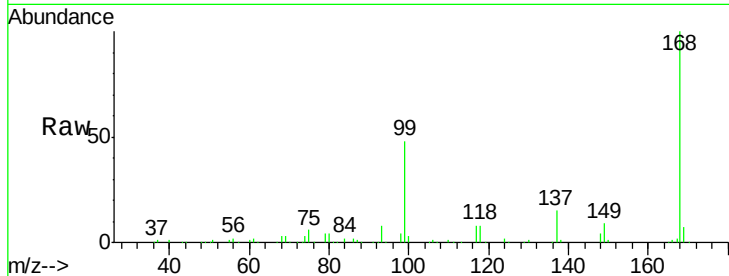
Tot Ion: 56 Resp: 3685

Ion Ratio Lower Upper

56 100

69 206.5 24.0 36.0#

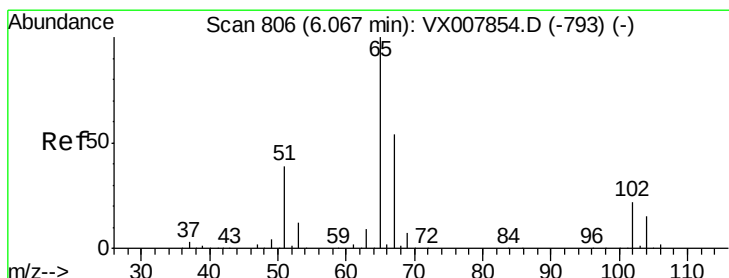
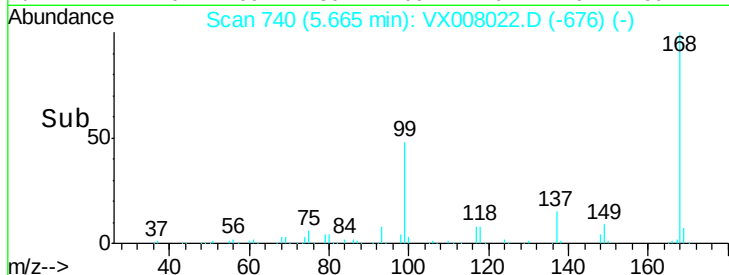
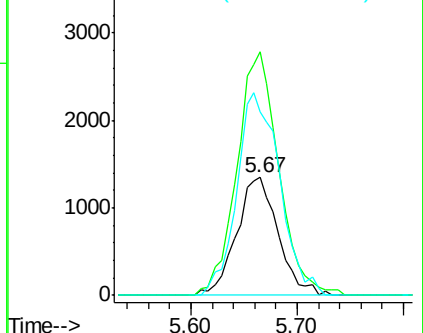
84 155.2 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.834 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008022.D

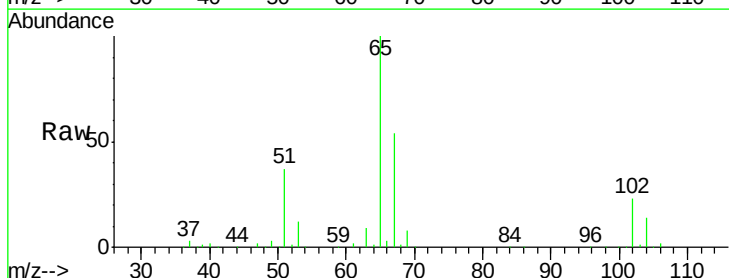
Acq: 12 Mar 2019 17:54

Tgt Ion: 65 Resp: 138078

Ion Ratio Lower Upper

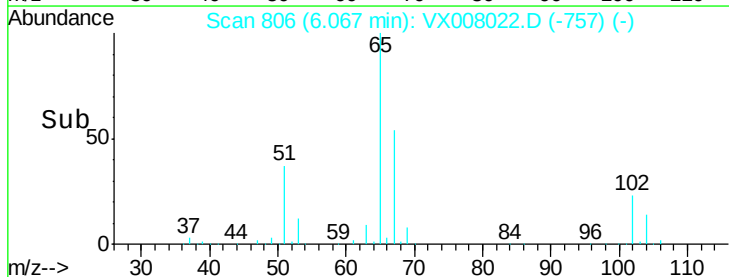
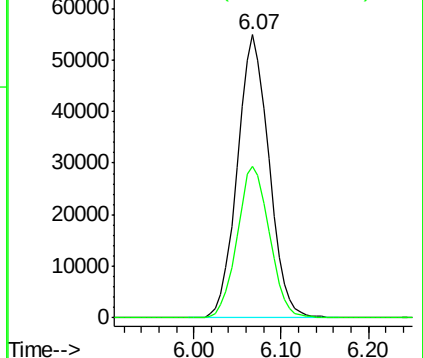
65 100

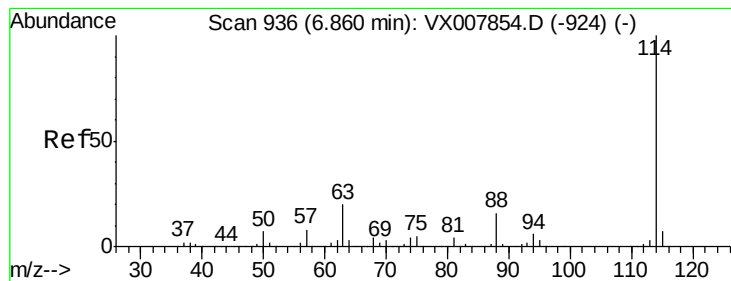
67 54.8 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008022.D

Acq: 12 Mar 2019 17:54

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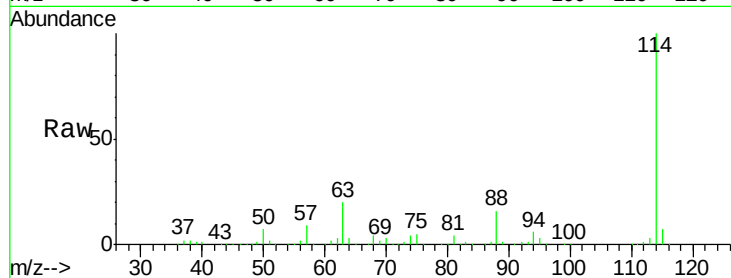
Tot Ion:114 Resp: 387775

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

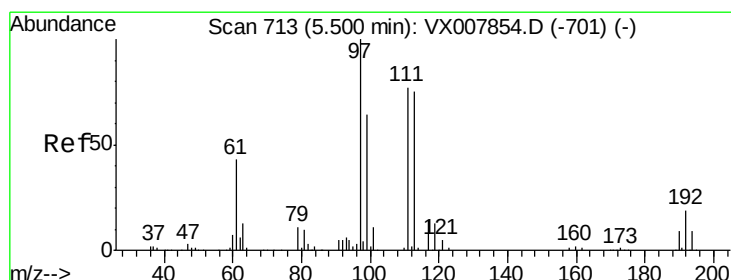
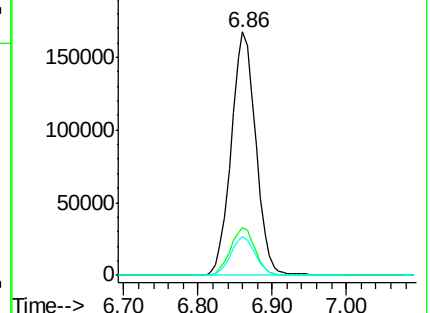
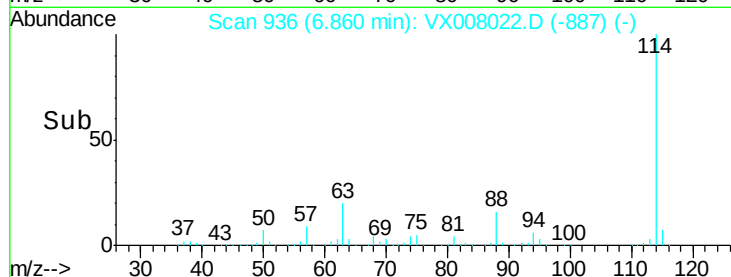
88 15.7 0.0 31.4



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: 51.306 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008022.D

Acq: 12 Mar 2019 17:54

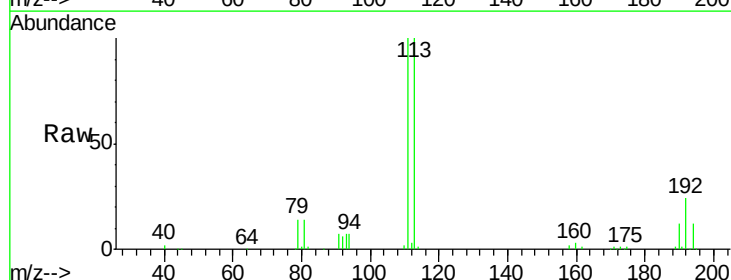
Tgt Ion:113 Resp: 127264

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

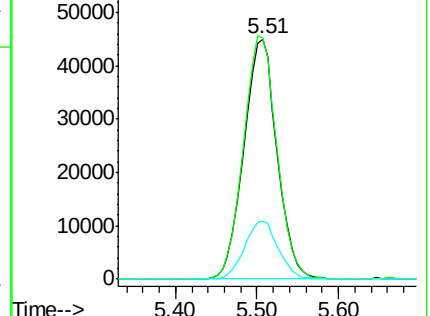
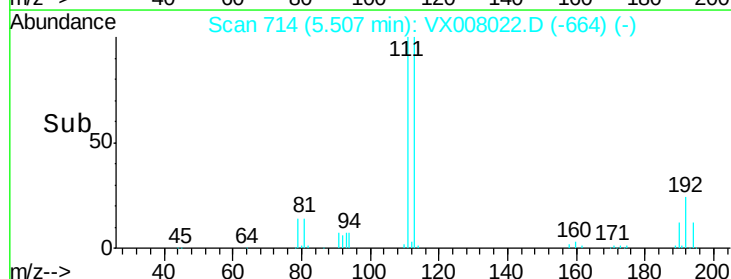
192 24.4 19.4 29.0

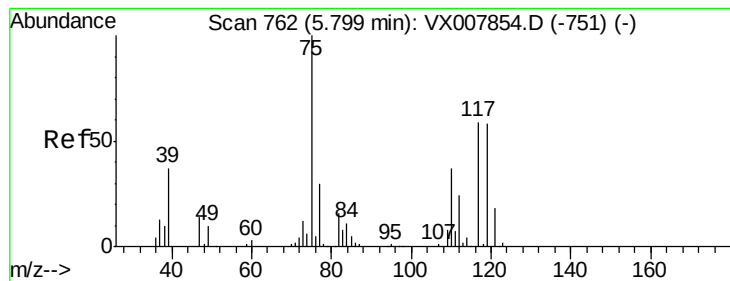


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.329 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008022.D

Acq: 12 Mar 2019 17:54

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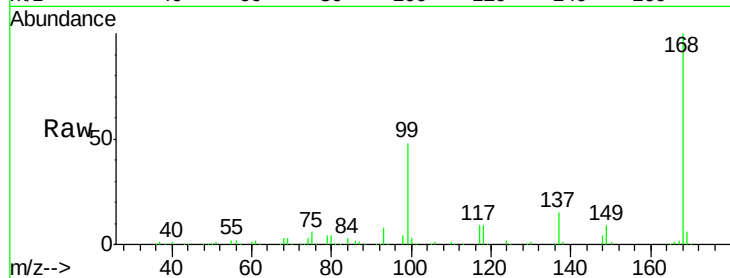
Tot Ion: 75 Resp: 15199

Ion Ratio Lower Upper

75 100

110 10.1 18.4 55.0#

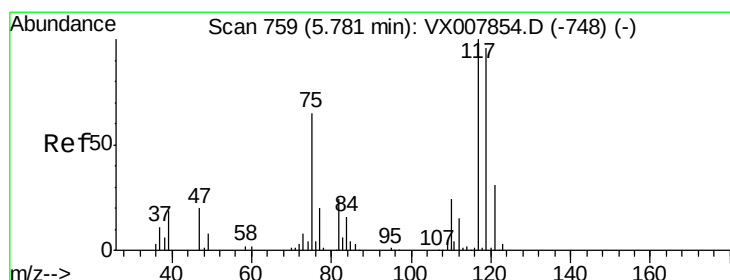
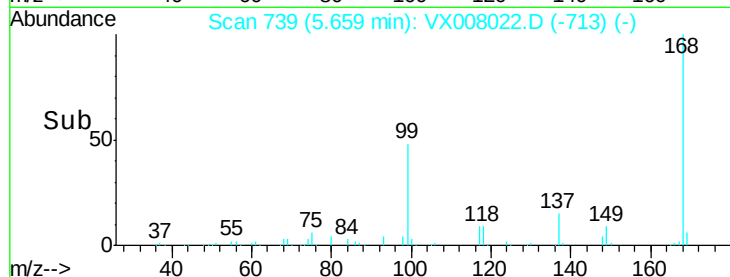
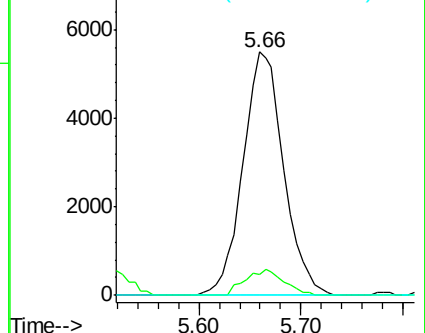
77 0.0 25.0 37.4#



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: 6.349 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008022.D

Acq: 12 Mar 2019 17:54

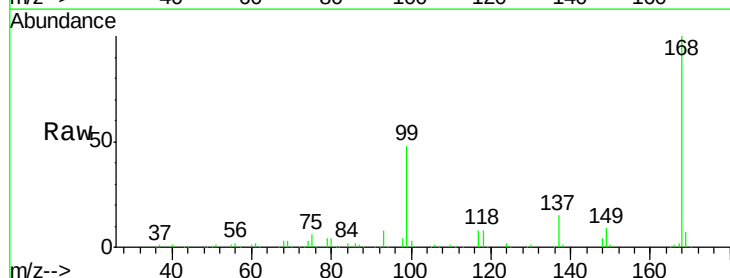
Tgt Ion:117 Resp: 21164

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.2#

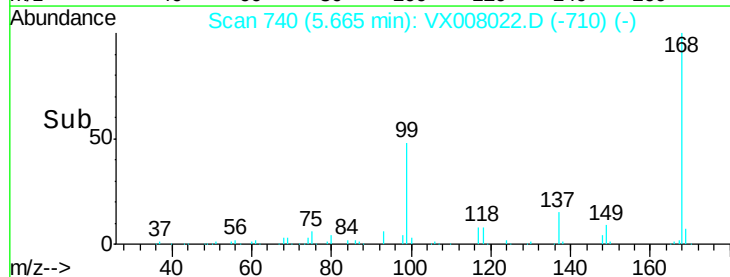
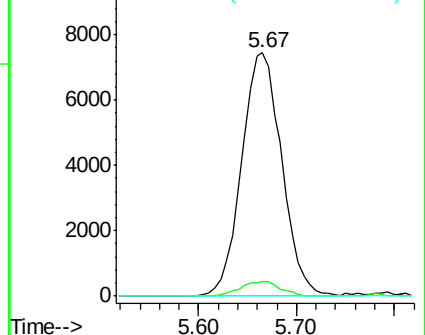
121 0.0 24.6 36.8#

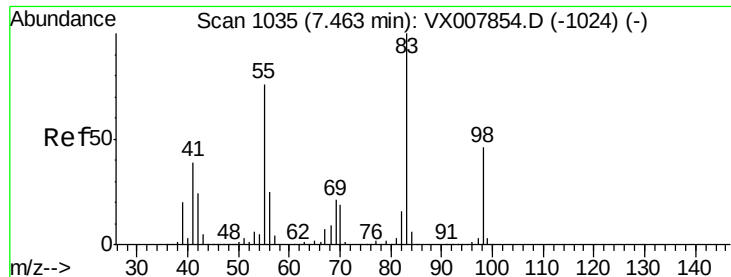


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

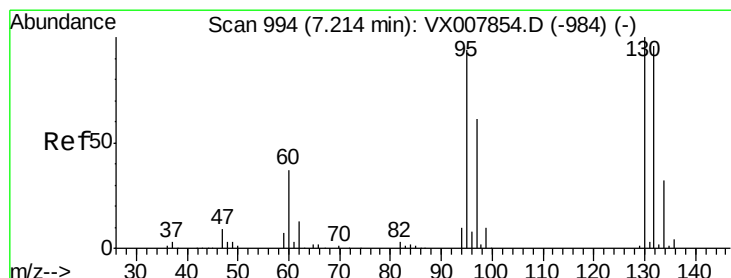
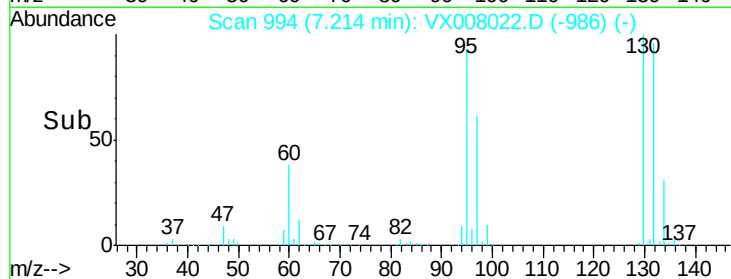
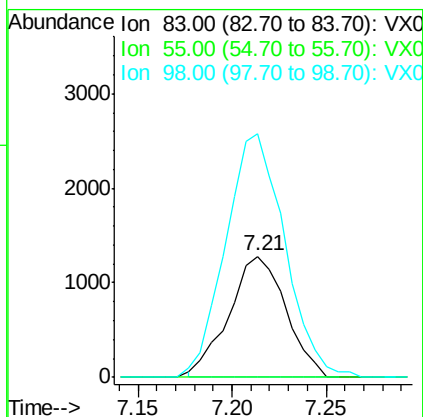
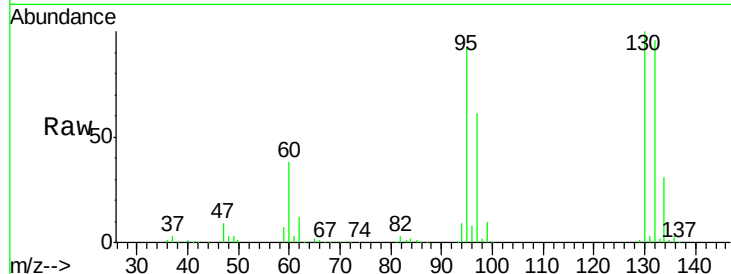




#39
Methylvlcyclohexane
Concen: 0.628 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.25 min
Lab File: VX008022.D
Acq: 12 Mar 2019 17:54

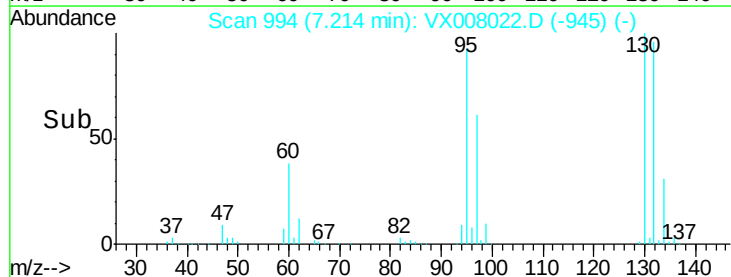
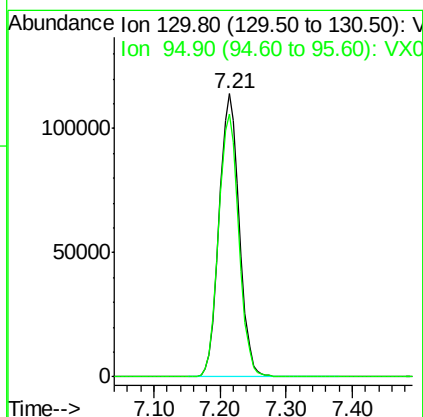
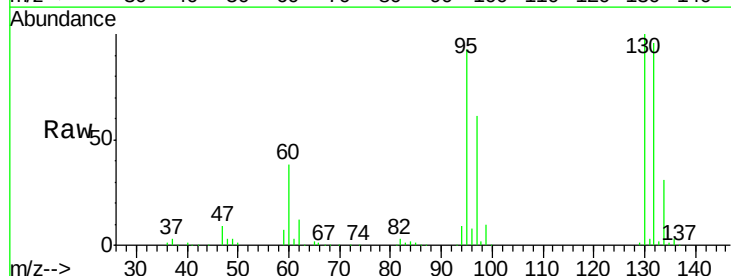
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20190308DL

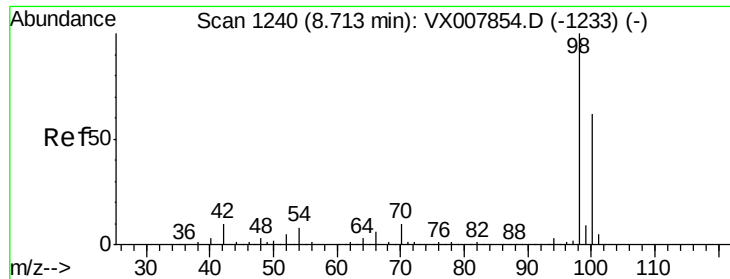
Tot Ion: 83 Resp: 2670
Ion Ratio Lower Upper
83 100
55 0.0 60.4 90.6#
98 196.6 36.5 54.7#



#44
Trichloroethene
Concen: 83.070 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX008022.D
Acq: 12 Mar 2019 17:54

Tgt Ion:130 Resp: 239298
Ion Ratio Lower Upper
130 100
95 92.9 0.0 188.0

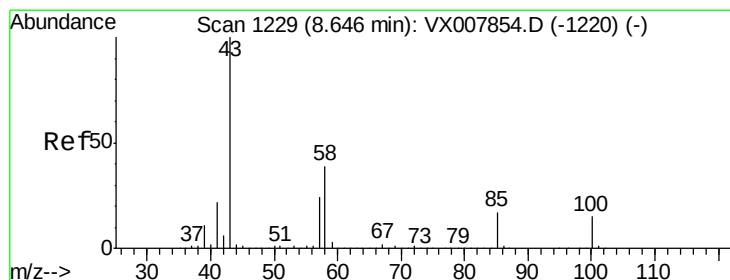
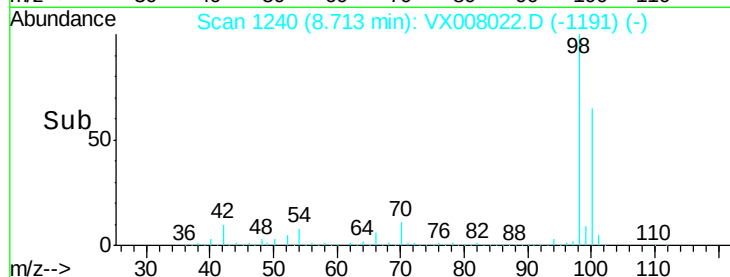
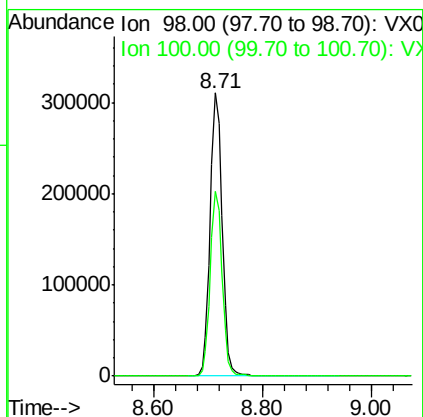
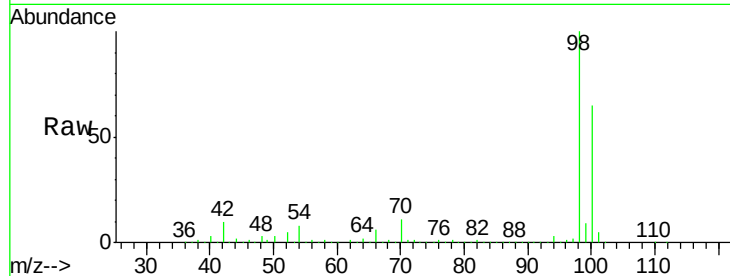




#50
Toluene-d8
Concen: 52.461 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008022.D
Acq: 12 Mar 2019 17:54

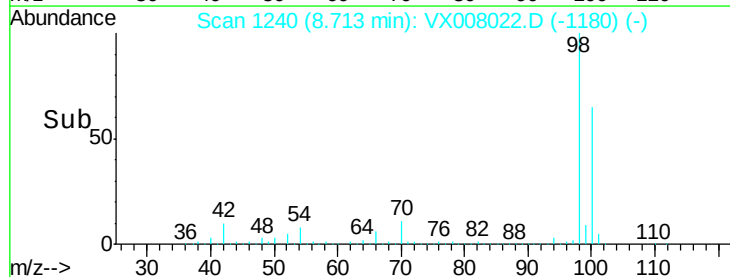
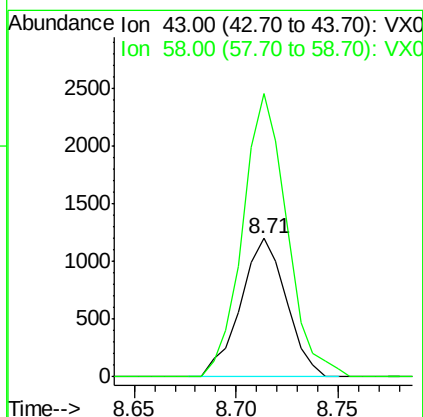
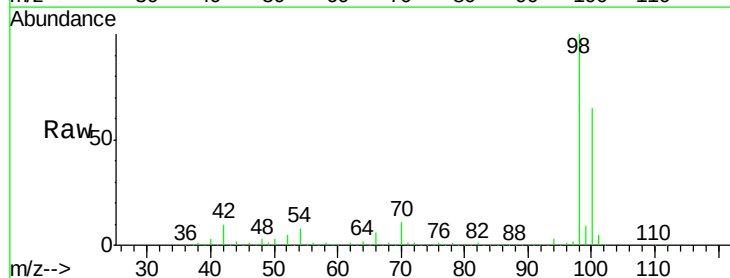
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20190308DL

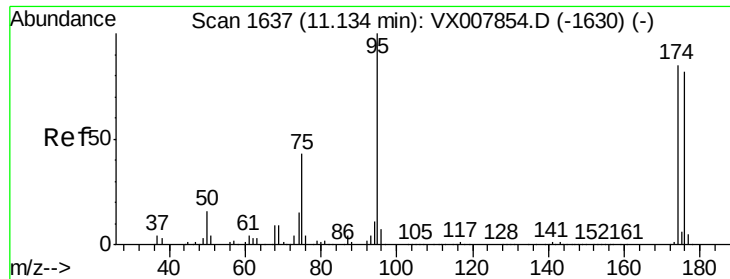
Tot Ion: 98 Resp: 477904
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.473 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.07 min
Lab File: VX008022.D
Acq: 12 Mar 2019 17:54

Tgt Ion: 43 Resp: 1874
Ion Ratio Lower Upper
43 100
58 197.2 31.3 46.9#





#62

4-Bromofluorobenzene

Concen: 54.394 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008022.D

Acq: 12 Mar 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20190308DL

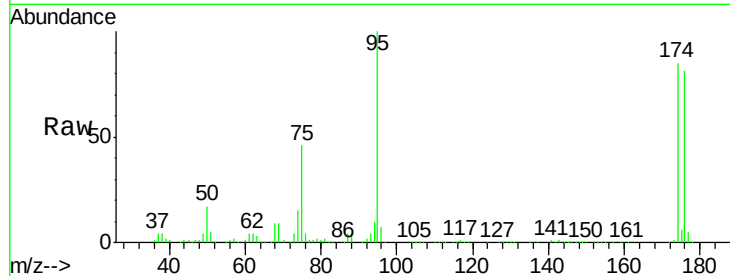
Tot Ion: 95 Resp: 173728

Ion Ratio Lower Upper

95 100

174 93.1 0.0 182.8

176 90.5 0.0 178.0

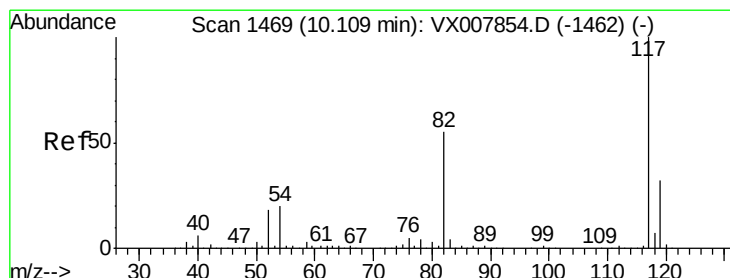
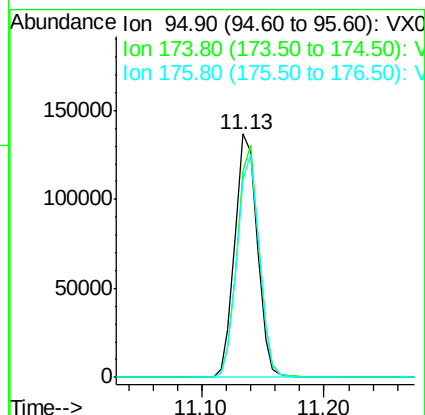
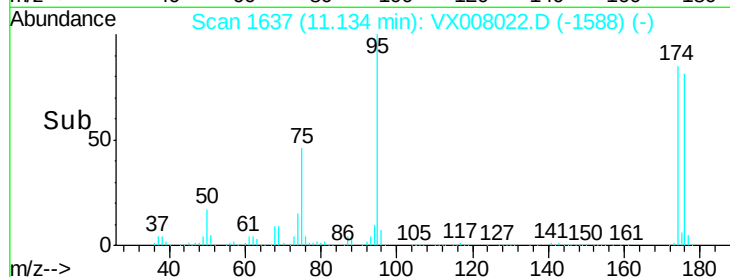


Abundance Ion 94.90 (94.60 to 95.60): VX007854.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007854.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007854.D (-1630) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008022.D

Acq: 12 Mar 2019 17:54

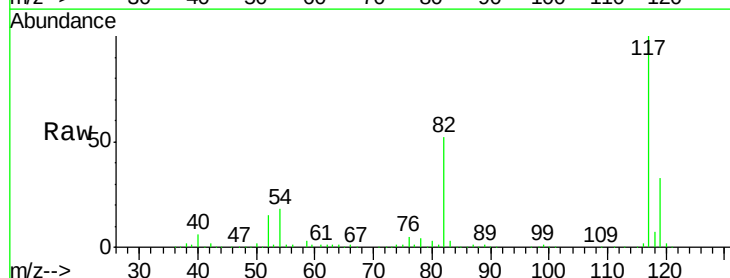
Tgt Ion: 117 Resp: 373606

Ion Ratio Lower Upper

117 100

82 51.9 44.3 66.5

119 32.6 25.3 37.9

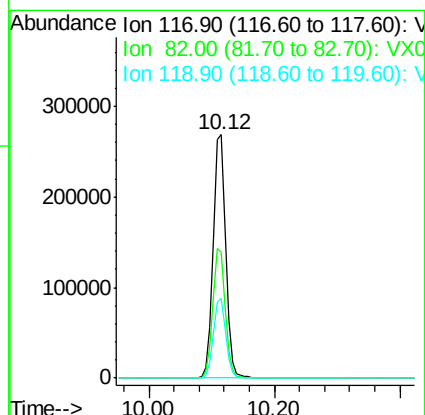
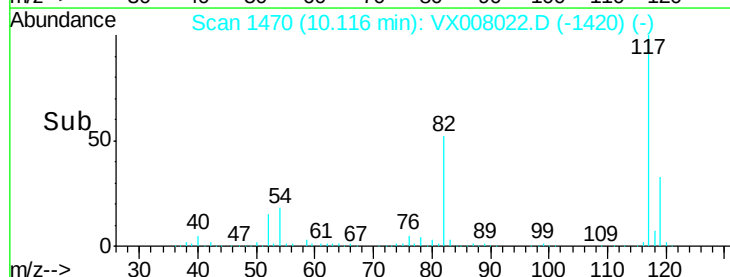


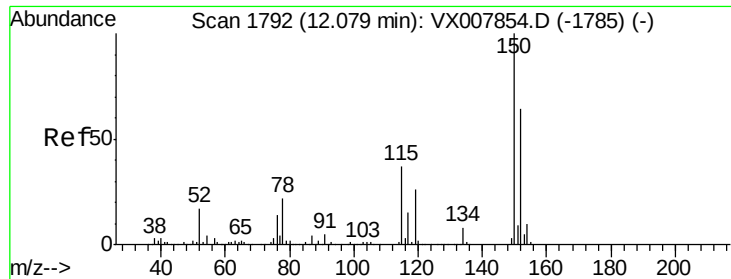
Abundance Ion 116.90 (116.60 to 117.60): VX007854.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX007854.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX007854.D (-1462) (-)

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: VX008022.D

Acq: 12 Mar 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20190308DL

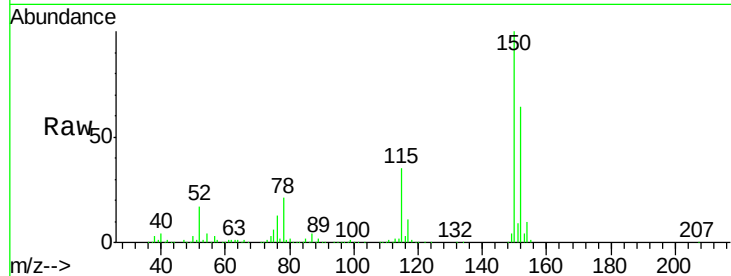
Tot Ion:152 Resp: 179114

Ion Ratio Lower Upper

152 100

115 55.1 38.6 115.7

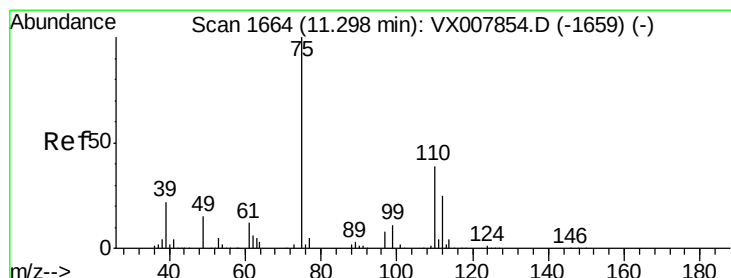
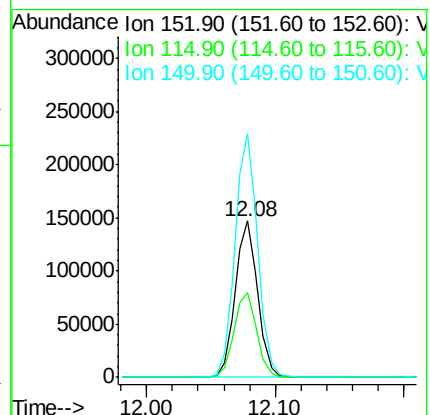
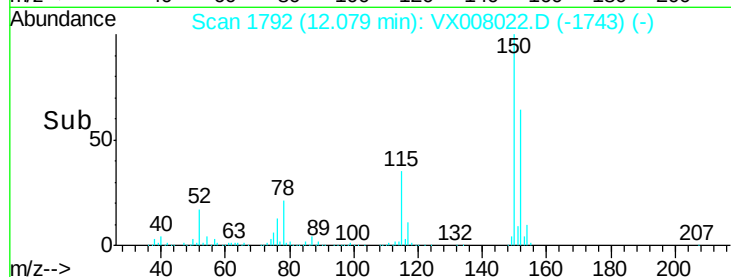
150 157.7 0.0 348.4



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: 21.078 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008022.D

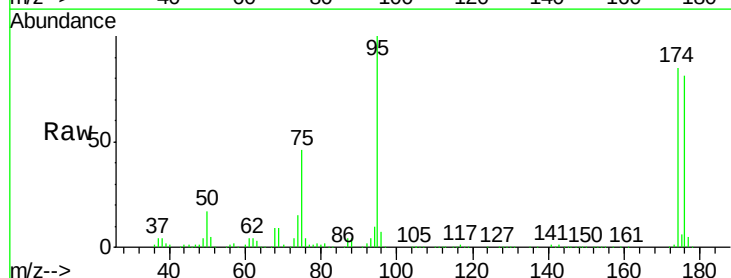
Acq: 12 Mar 2019 17:54

Tgt Ion: 75 Resp: 79223

Ion Ratio Lower Upper

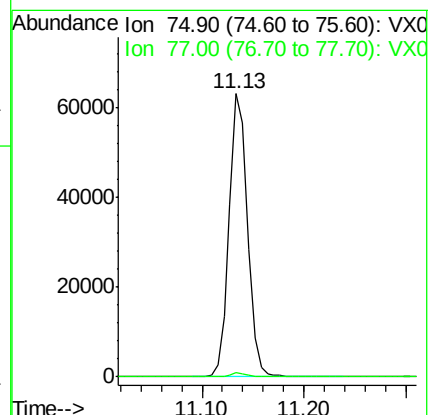
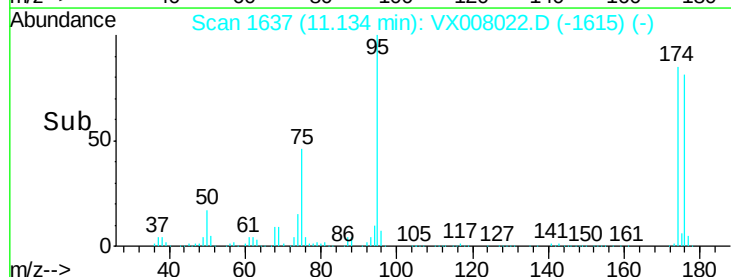
75 100

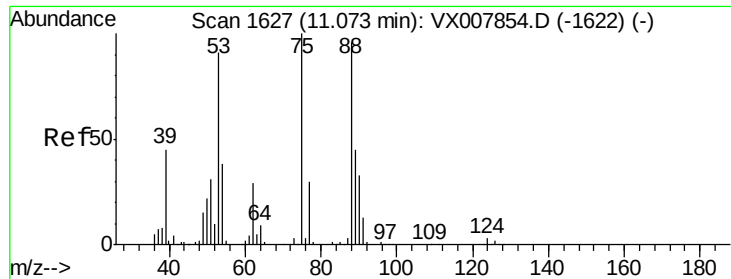
77 1.3 18.9 56.7#



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: 67.376 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008022.D

Acq: 12 Mar 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20190308DL

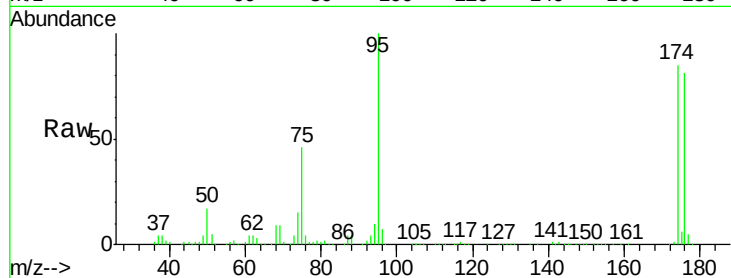
Tot Ion: 75 Resp: 79223

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



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

