

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010214.D
 Acq On : 11 Jun 2019 06:34
 Operator : JC/SP
 Sample : K3257-01DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D3-20190605DL

Quant Time: Jun 11 08:51:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	237306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	359150	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	327038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161354	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	106248	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	
35) Dibromofluoromethane	5.50	113	109035	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
50) Toluene-d8	8.71	98	425641	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	11.13	95	151313	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	

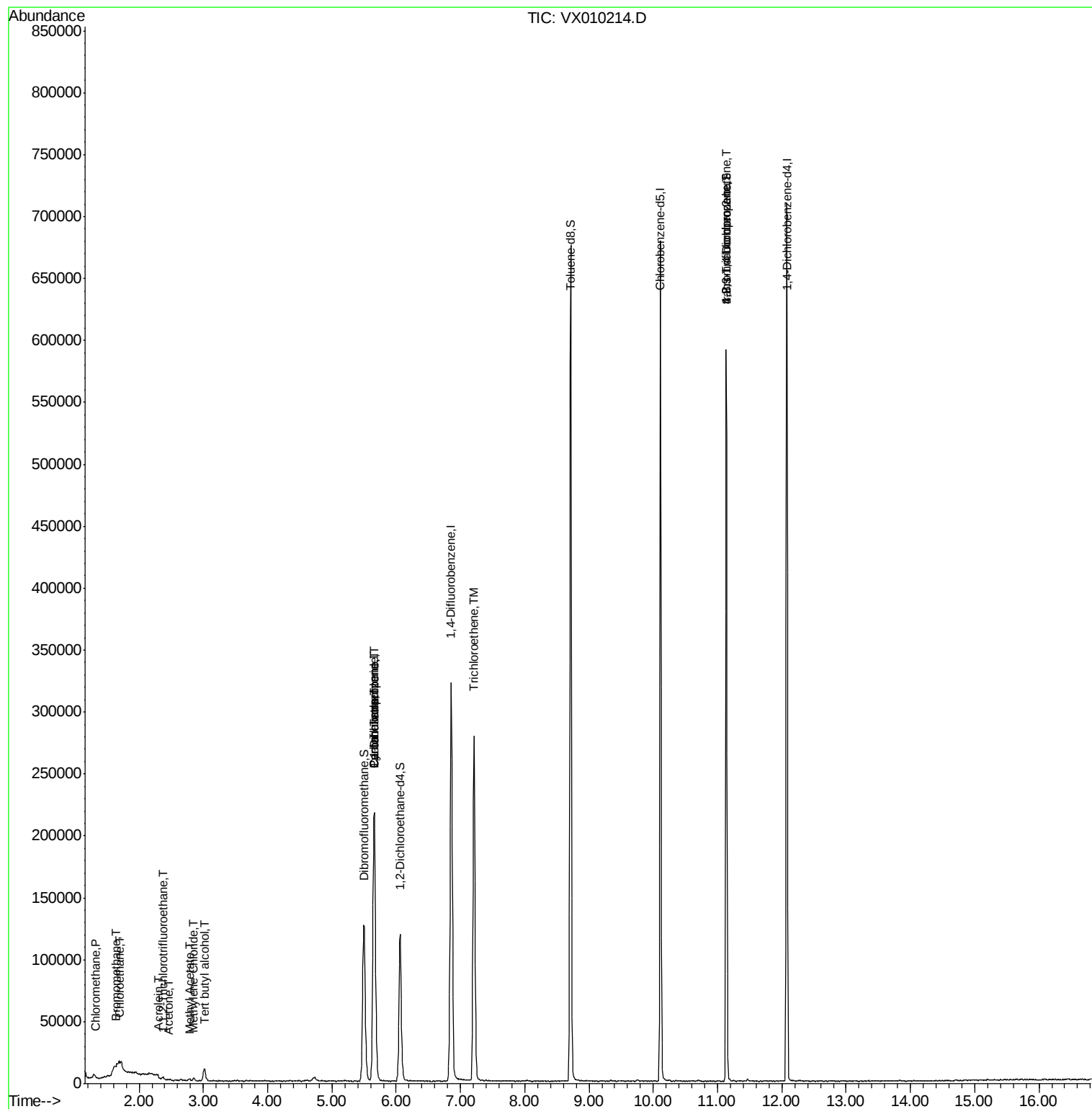
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	544	0.251	ug/l	95
5) Bromomethane	1.64	94	163	0.212	ug/l #	60
6) Chloroethane	1.70	64	320	0.311	ug/l #	58
9) 1,1,2-Trichlorotrifluoroet	2.37	101	718	0.344	ug/l #	73
11) Tert butyl alcohol	3.01	59	5700	10.045	ug/l #	88
13) Acrolein	2.29	56	363	3.508	ug/l #	14
16) Acetone	2.45	43	573	0.526	ug/l #	77
18) Methyl Acetate	2.78	43	1867	0.779	ug/l #	64
20) Methylene Chloride	2.85	84	934	0.390	ug/l #	65
31) Cyclohexane	5.66	56	4292	1.273	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13976	4.770	ug/l #	53
38) Carbon Tetrachloride	5.65	117	19766	5.960	ug/l #	16
44) Trichloroethene	7.21	130	117830	43.144	ug/l	86
76) 1,2,3-Trichloropropane	11.13	75	68012	21.073	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	68012	46.560	ug/l #	10

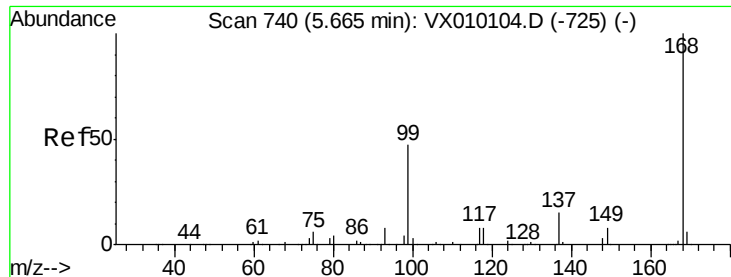
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010214.D

Acq: 11 Jun 2019 06:34

Instrument :

MSVOA_X

ClientSampleId :

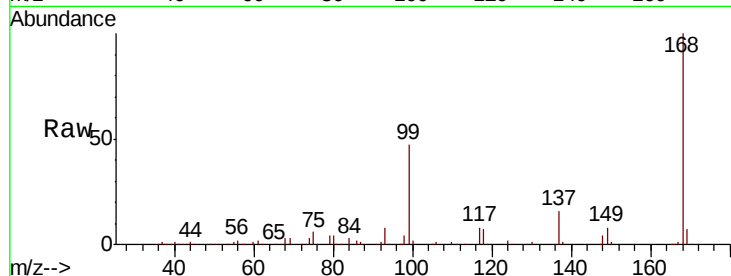
RE103D3-20190605DL

Tot Ion:168 Resp: 237306

Ion Ratio Lower Upper

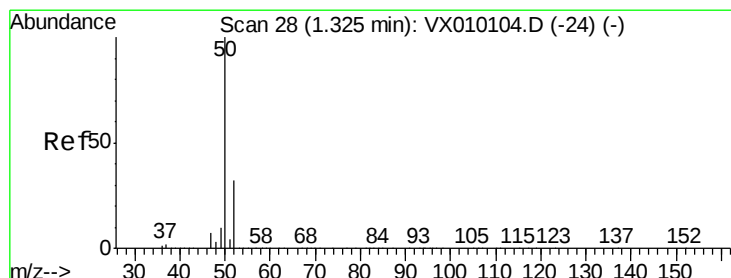
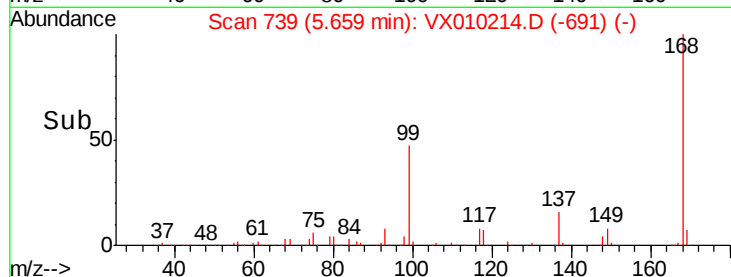
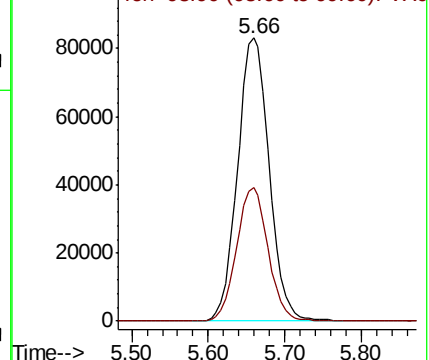
168 100

99 47.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.251 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010214.D

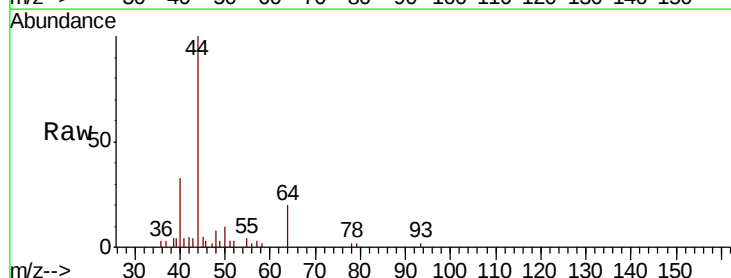
Acq: 11 Jun 2019 06:34

Tgt Ion: 50 Resp: 544

Ion Ratio Lower Upper

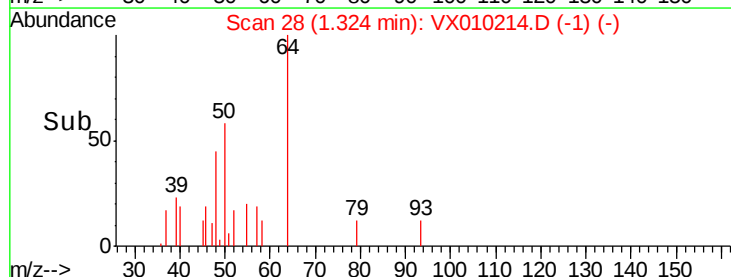
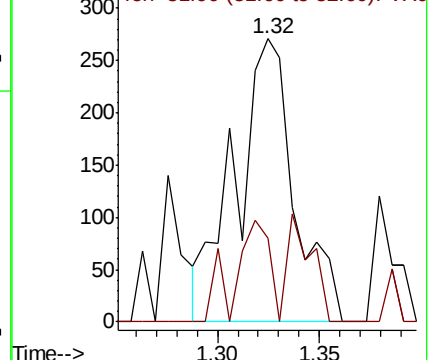
50 100

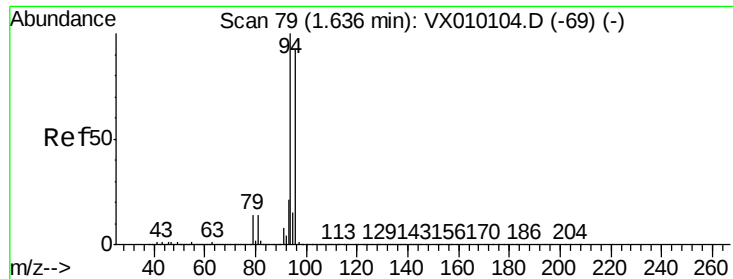
52 29.5 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.212 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010214.D

Acq: 11 Jun 2019 06:34

Instrument :

MSVOA_X

ClientSampleId :

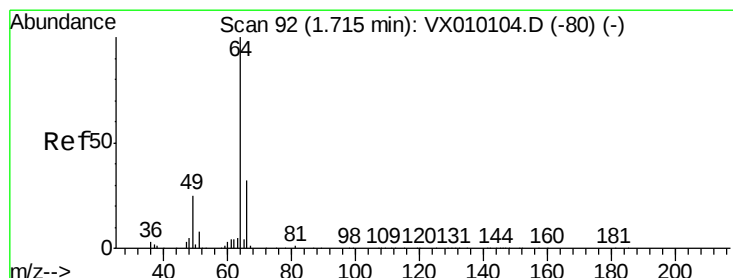
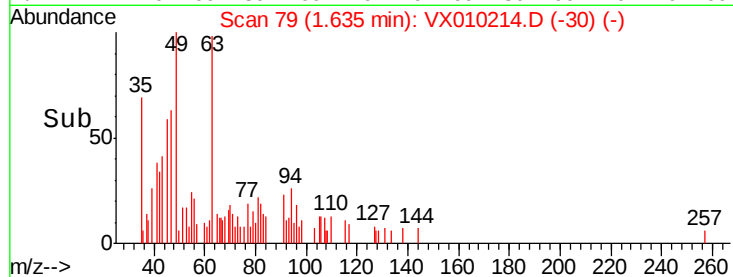
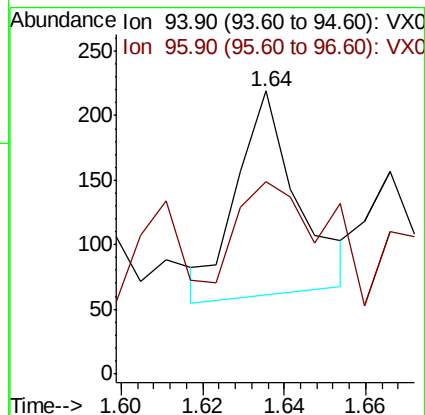
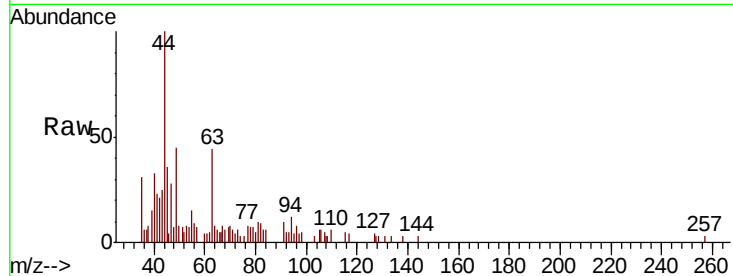
RE103D3-20190605DL

Tot Ion: 94 Resp: 163

Ion Ratio Lower Upper

94 100

96 56.2 76.2 114.4#



#6

Chloroethane

Concen: 0.311 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX010214.D

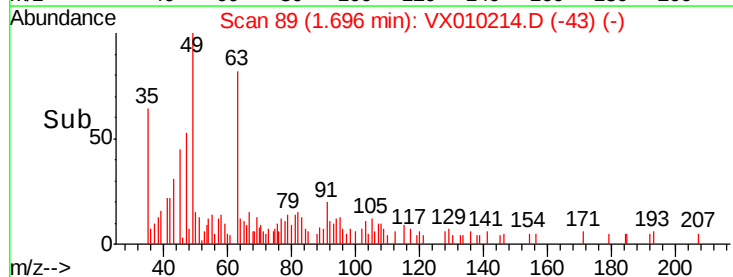
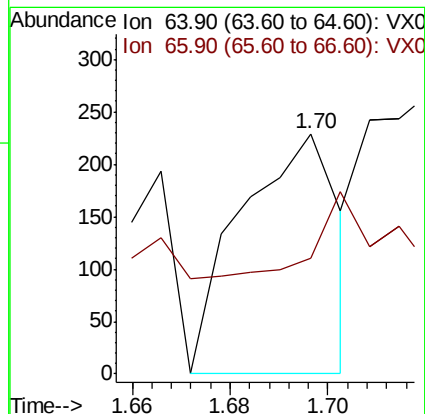
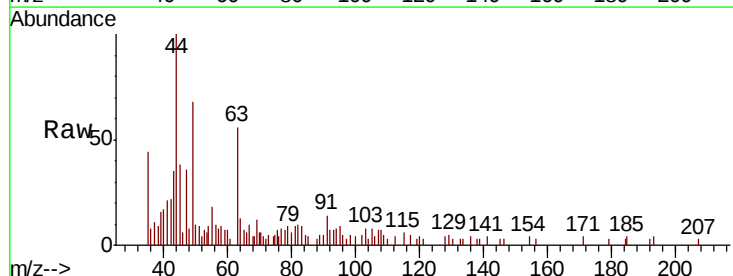
Acq: 11 Jun 2019 06:34

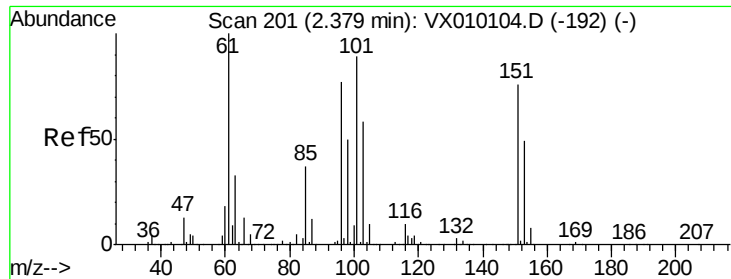
Tgt Ion: 64 Resp: 320

Ion Ratio Lower Upper

64 100

66 8.3 25.1 37.7#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.344 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX010214.D

Acq: 11 Jun 2019 06:34

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20190605DL

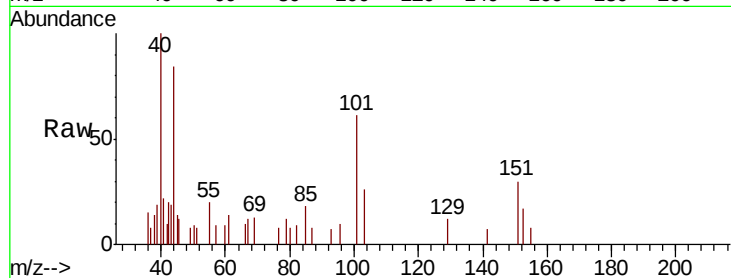
Tot Ion:101 Resp: 718

Ion Ratio Lower Upper

101 100

85 0.0 35.2 52.8#

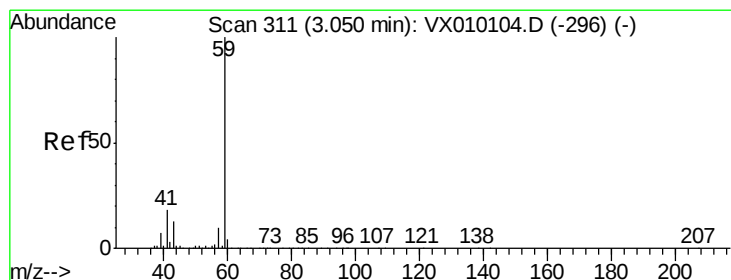
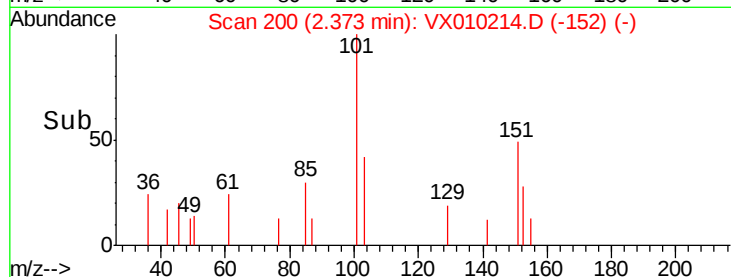
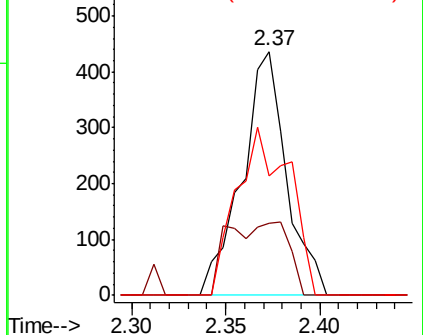
151 80.9 61.9 92.9



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: 10.045 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX010214.D

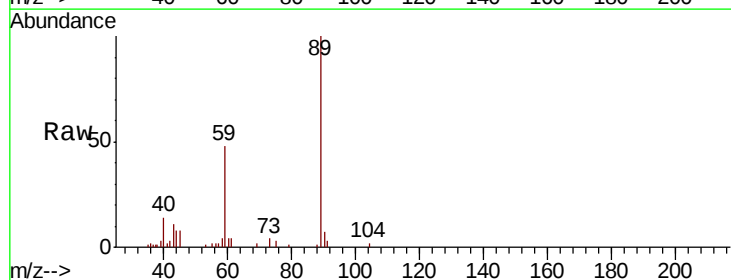
Acq: 11 Jun 2019 06:34

Tgt Ion: 59 Resp: 5700

Ion Ratio Lower Upper

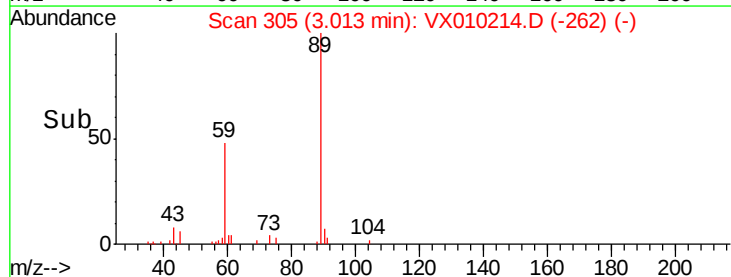
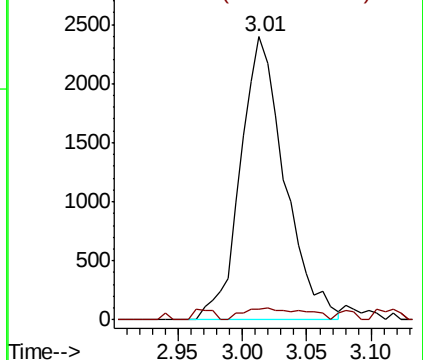
59 100

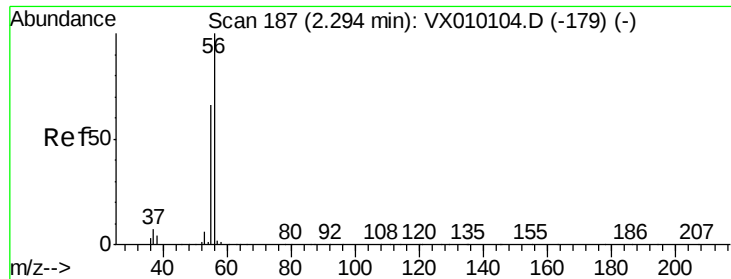
57 5.9 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

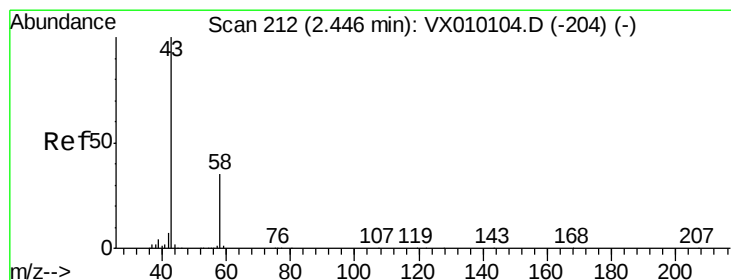
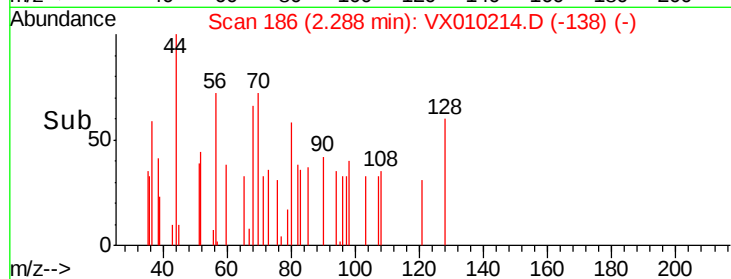
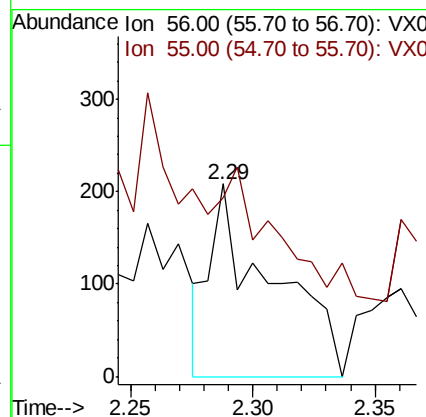
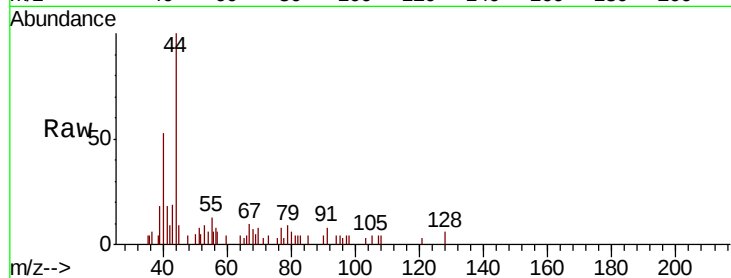




#13
Acrolein
Concen: 3.508 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX010214.D
Acq: 11 Jun 2019 06:34

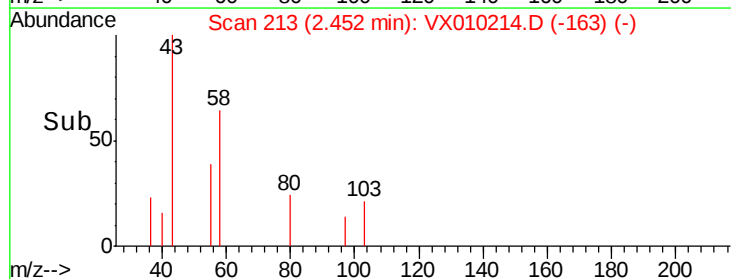
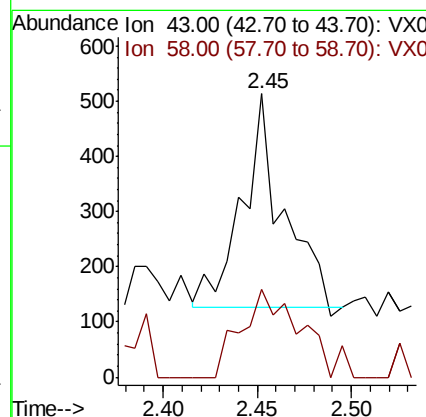
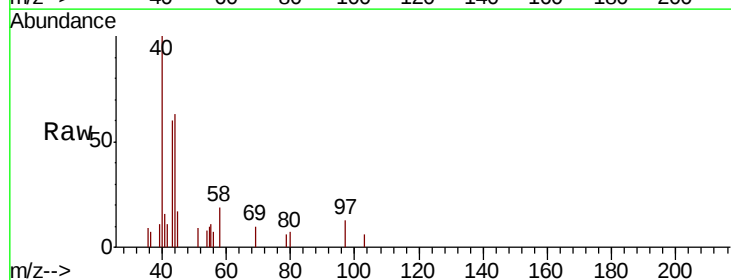
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20190605DL

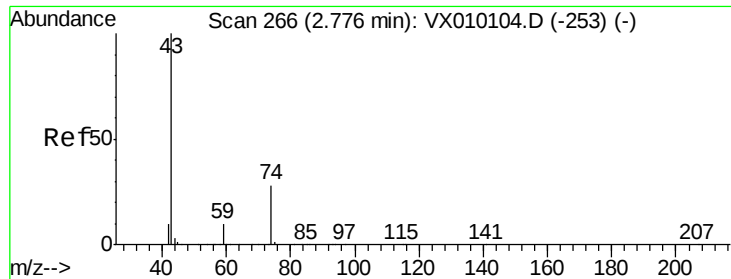
Tot Ion: 56 Resp: 363
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: 0.526 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX010214.D
Acq: 11 Jun 2019 06:34

Tgt Ion: 43 Resp: 573
Ion Ratio Lower Upper
43 100
58 41.5 23.2 34.8#





#18

Methyl Acetate

Concen: 0.779 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX010214.D

Acq: 11 Jun 2019 06:34

Instrument :

MSVOA_X

ClientSampleId :

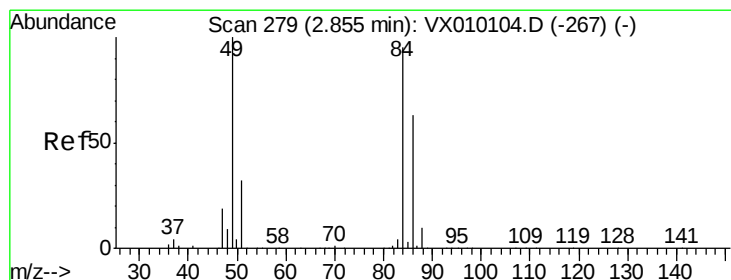
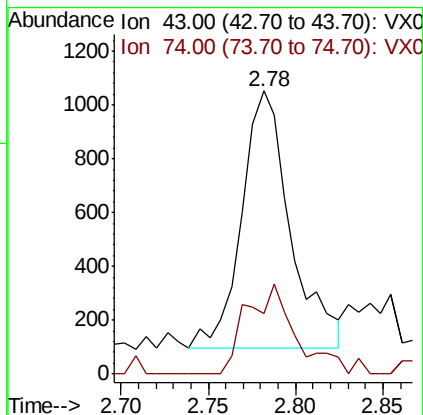
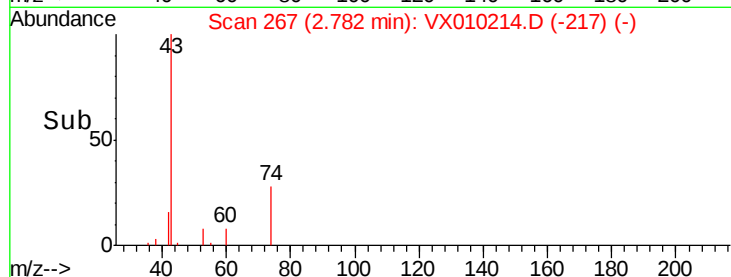
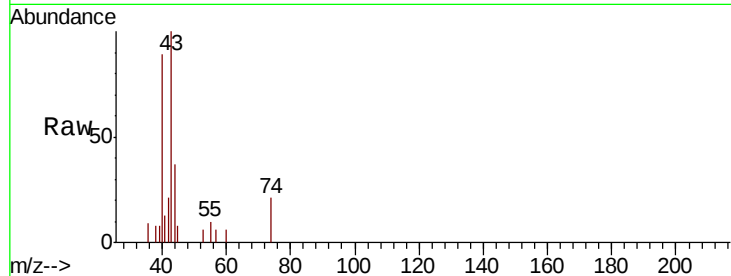
RE103D3-20190605DL

Tot Ion: 43 Resp: 1867

Ion Ratio Lower Upper

43 100

74 36.2 15.8 23.6#



#20

Methylene Chloride

Concen: 0.390 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX010214.D

Acq: 11 Jun 2019 06:34

Tgt Ion: 84 Resp: 934

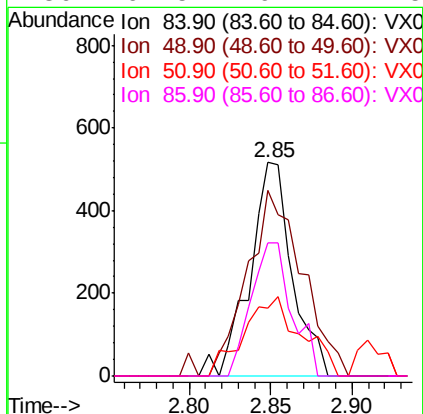
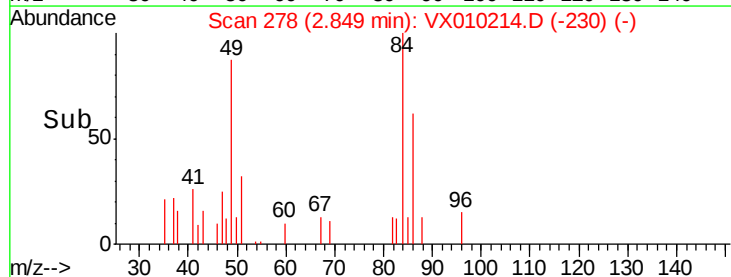
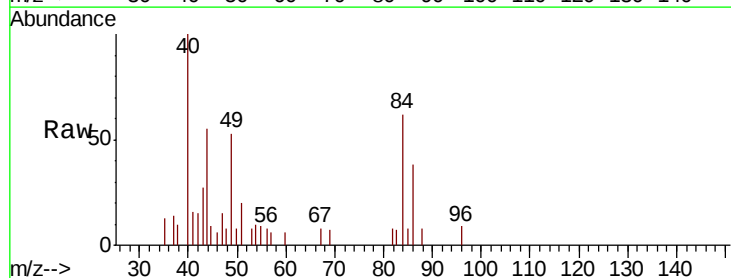
Ion Ratio Lower Upper

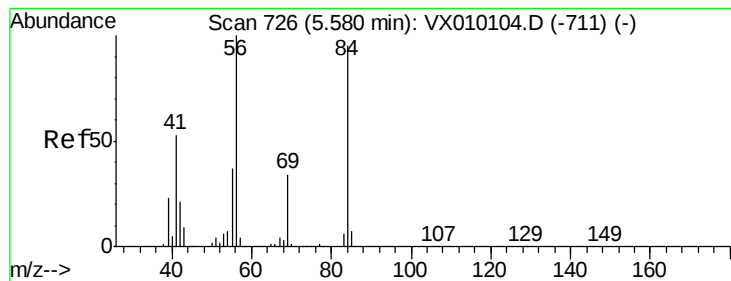
84 100

49 76.2 115.8 173.6#

51 31.9 34.4 51.6#

86 62.5 49.7 74.5





#31

Cyclohexane

Concen: 1.273 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX010214.D

Acq: 11 Jun 2019 06:34

Instrument :

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RE103D3-20190605DL

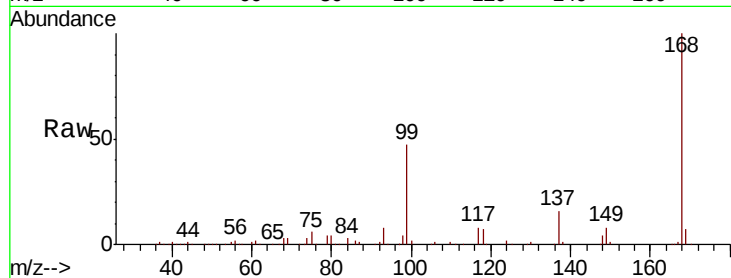
Tot Ion: 56 Resp: 4292

Ion Ratio Lower Upper

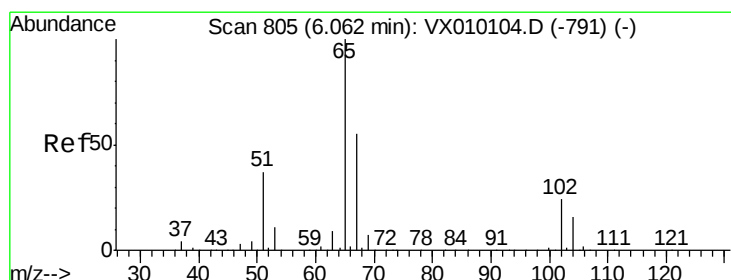
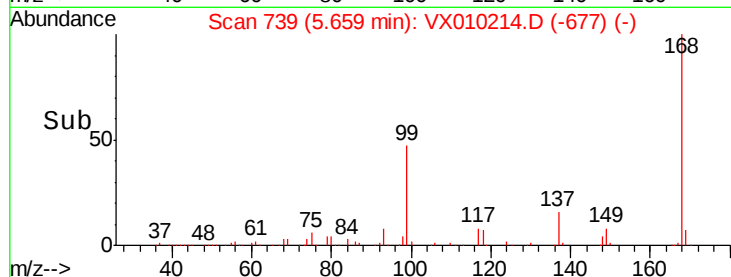
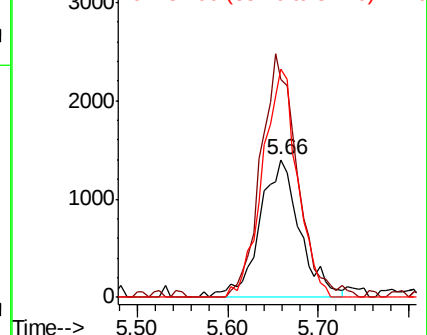
56 100

69 158.2 21.6 32.4#

84 165.7 56.8 85.2#



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: 45.868 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010214.D

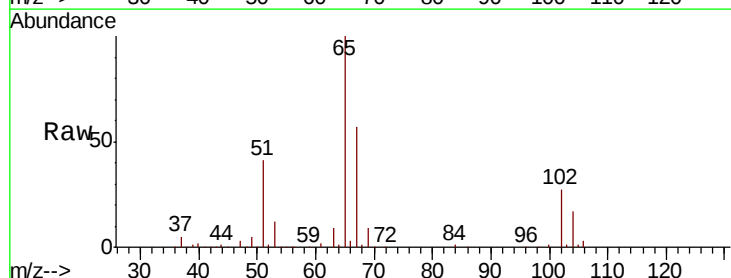
Acq: 11 Jun 2019 06:34

Tgt Ion: 65 Resp: 106248

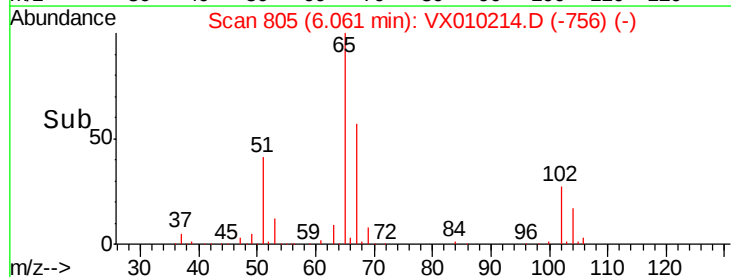
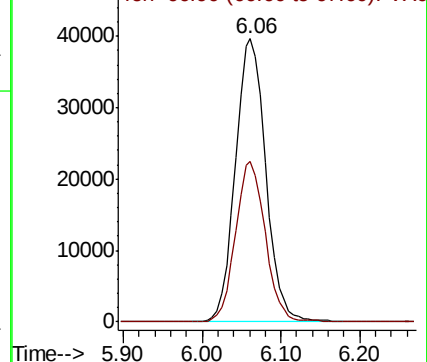
Ion Ratio Lower Upper

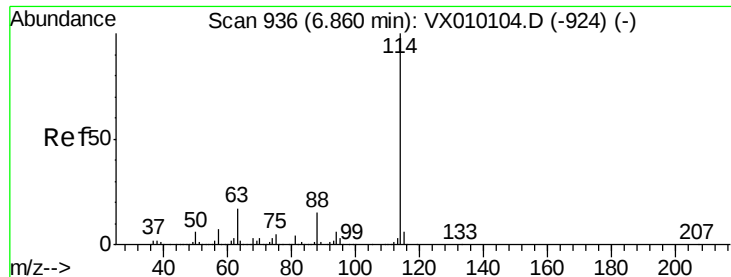
65 100

67 55.8 0.0 108.4



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: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010214.D

Acq: 11 Jun 2019 06:34

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20190605DL

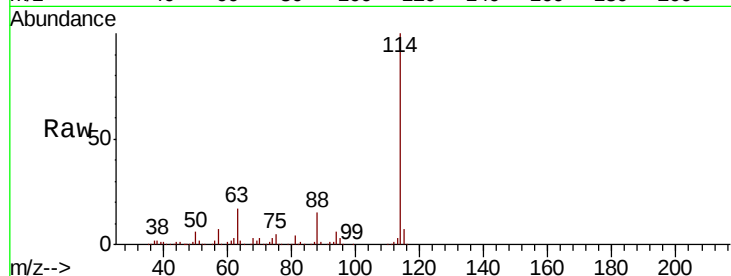
Tot Ion:114 Resp: 359150

Ion Ratio Lower Upper

114 100

63 16.9 0.0 47.4

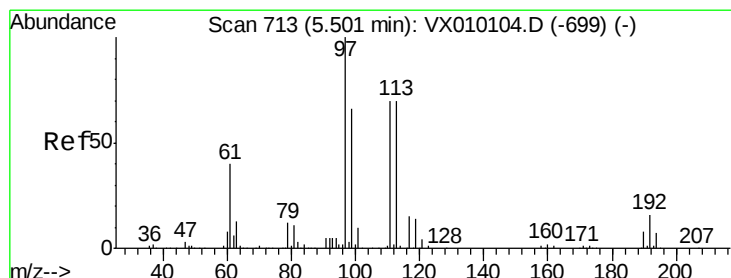
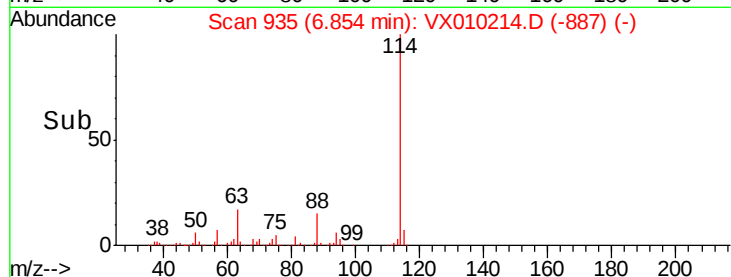
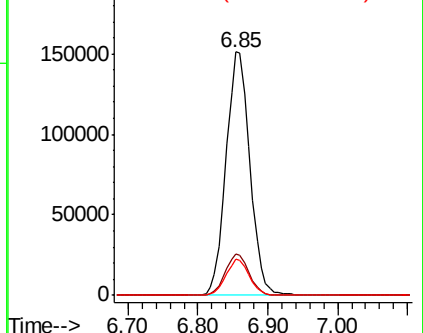
88 14.7 0.0 33.0



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: 49.219 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010214.D

Acq: 11 Jun 2019 06:34

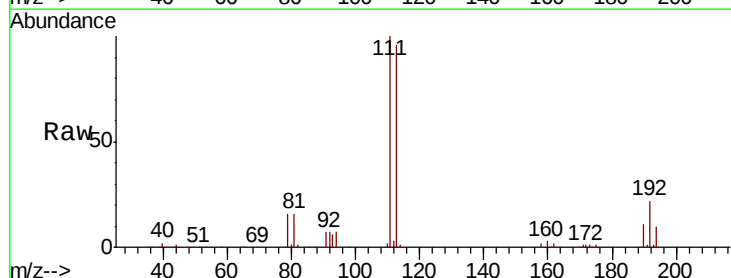
Tgt Ion:113 Resp: 109035

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

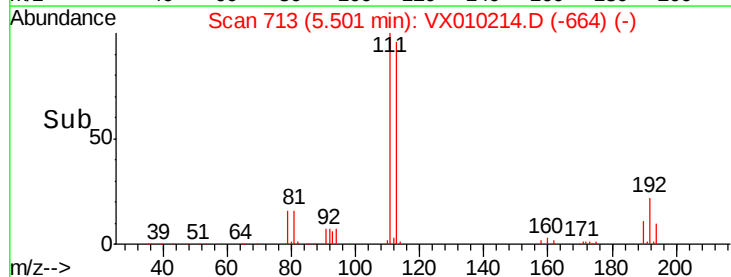
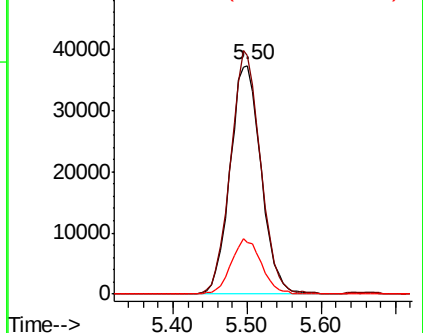
192 23.6 17.1 25.7

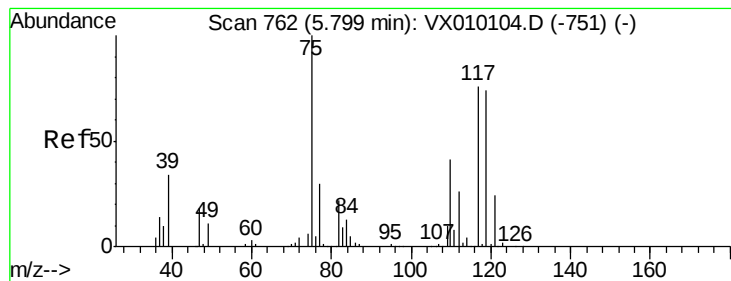


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.770 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010214.D

Acq: 11 Jun 2019 06:34

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20190605DL

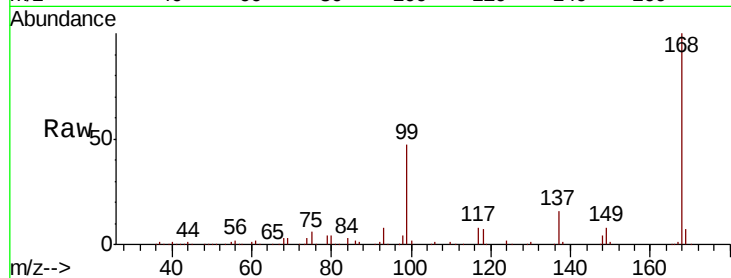
Tot Ion: 75 Resp: 13976

Ion Ratio Lower Upper

75 100

110 11.3 16.7 50.1#

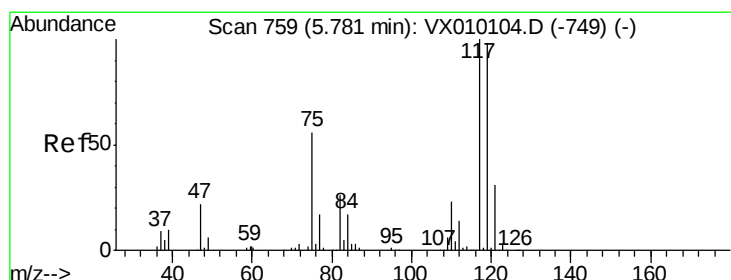
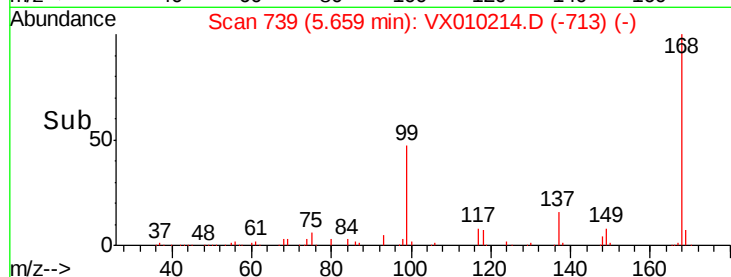
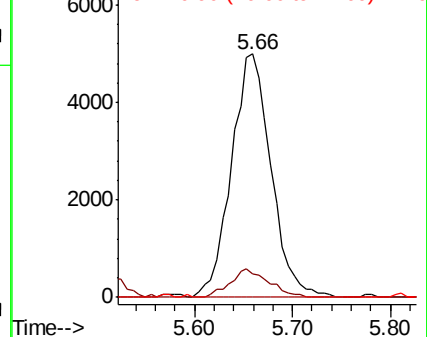
77 0.0 25.0 37.4#



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: 5.960 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX010214.D

Acq: 11 Jun 2019 06:34

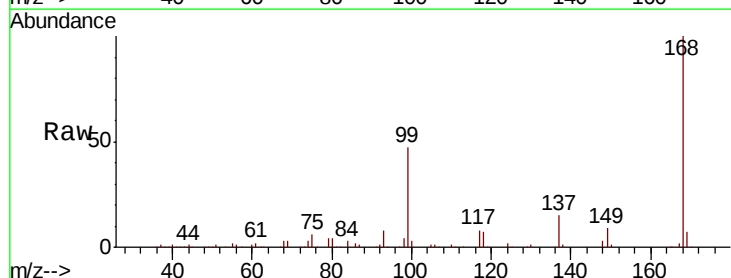
Tgt Ion: 117 Resp: 19766

Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

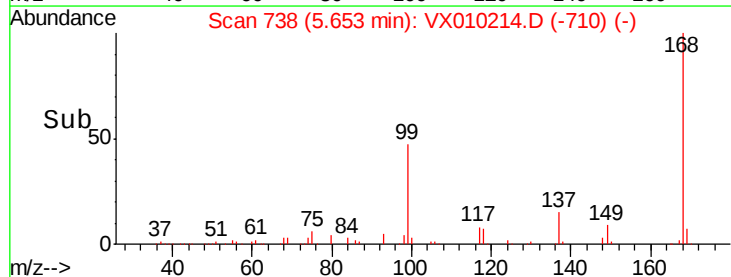
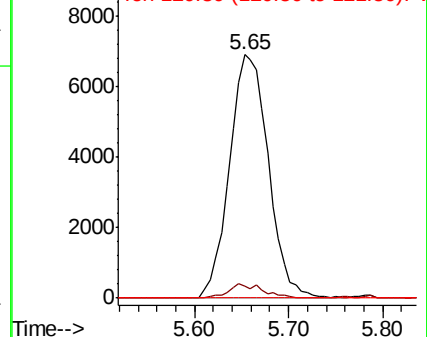
121 0.0 25.4 38.0#

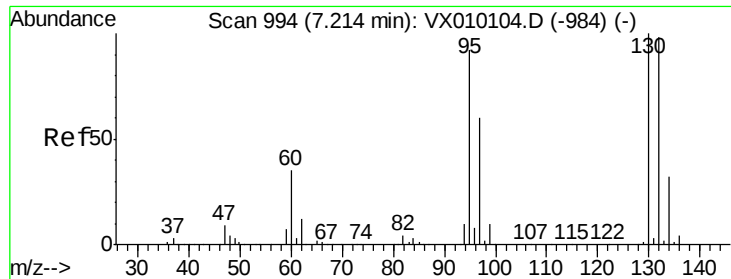


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

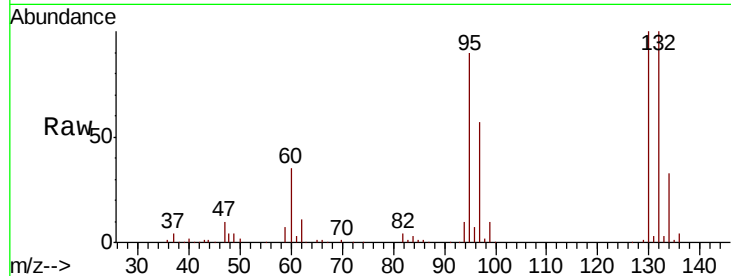




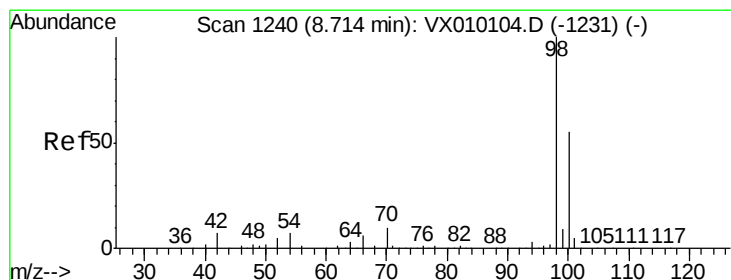
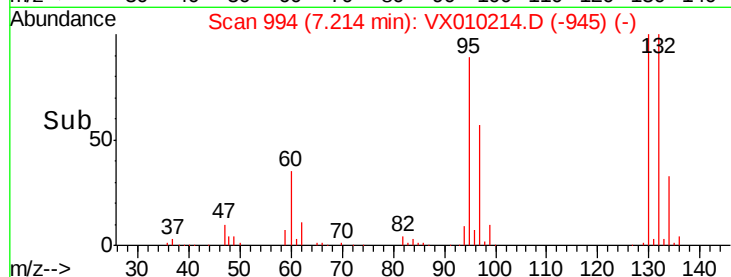
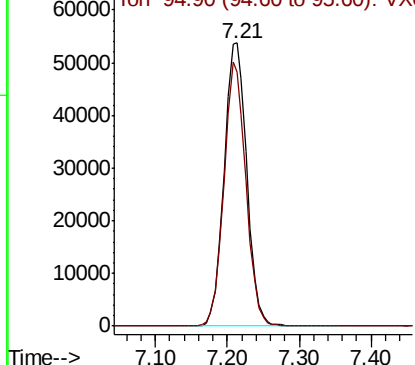
#44
 Trichloroethene
 Concen: 43.144 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010214.D
 Acq: 11 Jun 2019 06:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D3-20190605DL

Tot Ion:130 Resp: 117830
 Ion Ratio Lower Upper
 130 100
 95 89.6 0.0 207.4

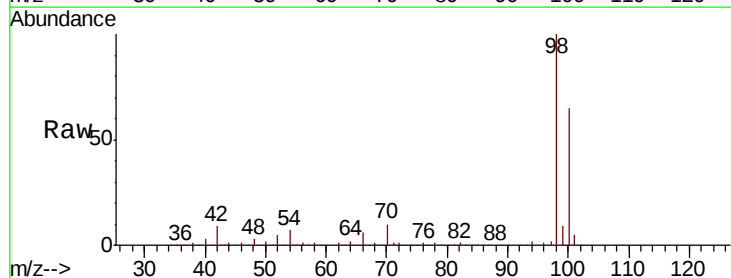


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

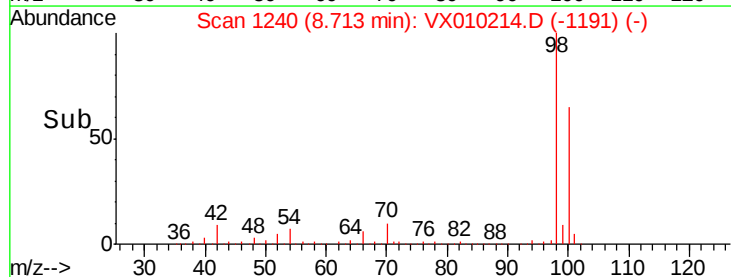
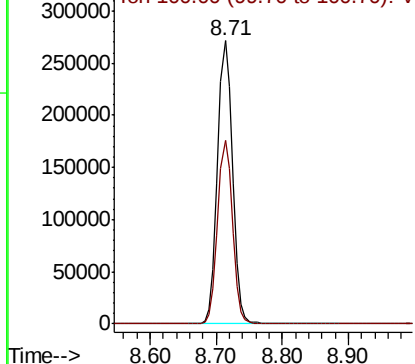


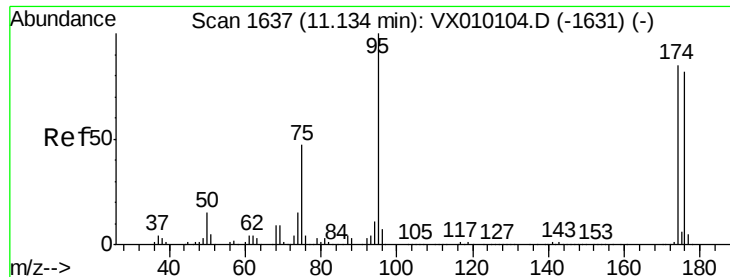
#50
 Toluene-d8
 Concen: 51.266 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010214.D
 Acq: 11 Jun 2019 06:34

Tgt Ion: 98 Resp: 425641
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.799 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010214.D

Acq: 11 Jun 2019 06:34

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20190605DL

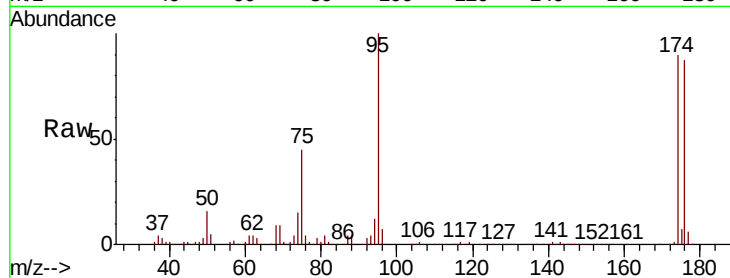
Tot Ion: 95 Resp: 151313

Ion Ratio Lower Upper

95 100

174 94.8 0.0 160.4

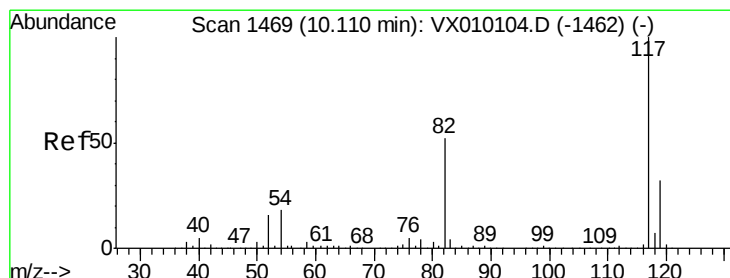
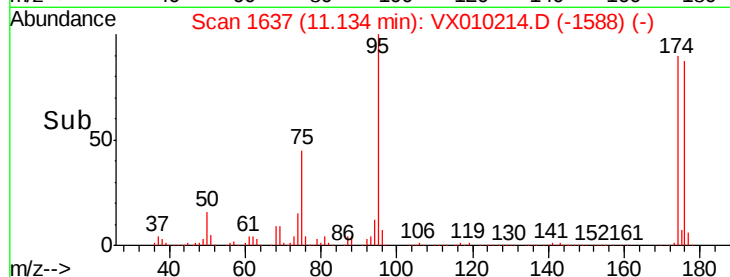
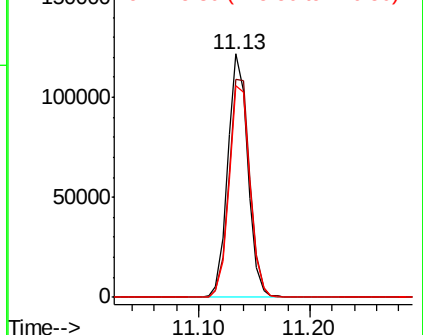
176 90.2 0.0 154.6



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: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010214.D

Acq: 11 Jun 2019 06:34

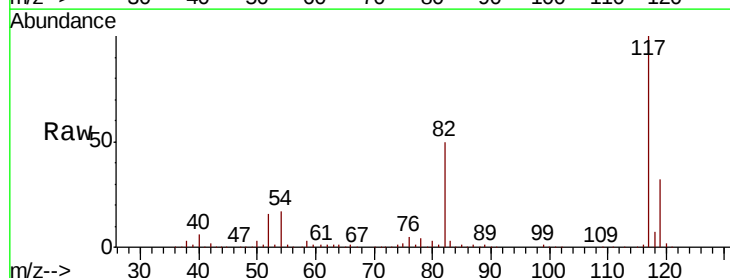
Tgt Ion: 117 Resp: 327038

Ion Ratio Lower Upper

117 100

82 50.5 49.2 73.8

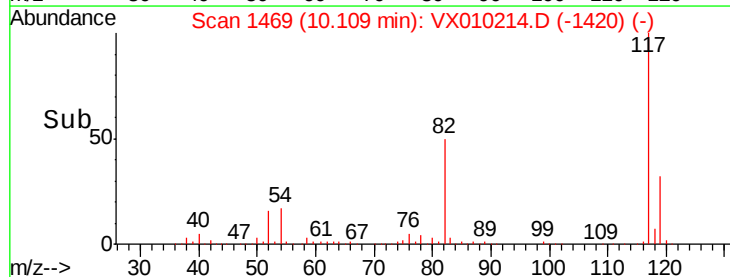
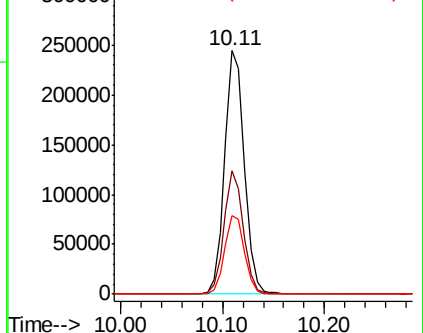
119 32.1 25.2 37.8

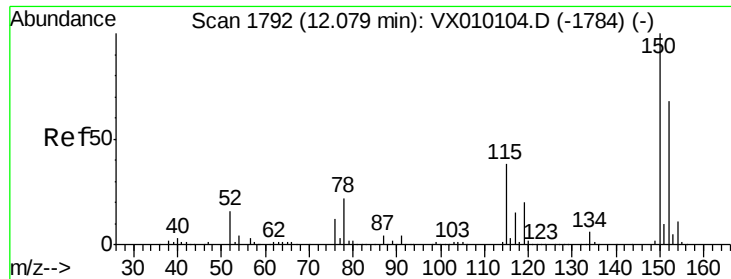


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX010214.D

Acq: 11 Jun 2019 06:34

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20190605DL

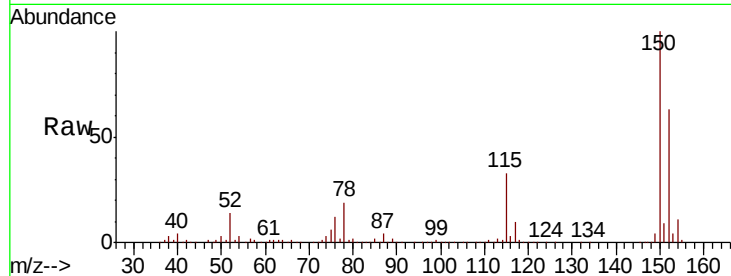
Tot Ion:152 Resp: 161354

Ion Ratio Lower Upper

152 100

115 54.1 41.4 124.2

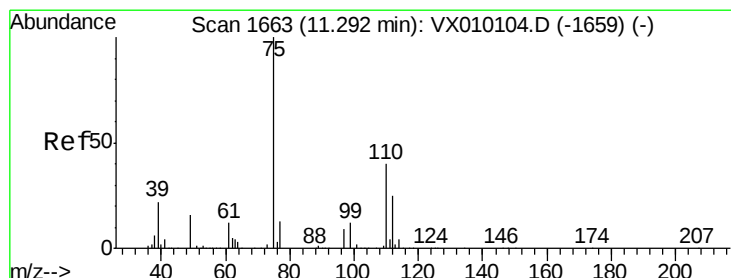
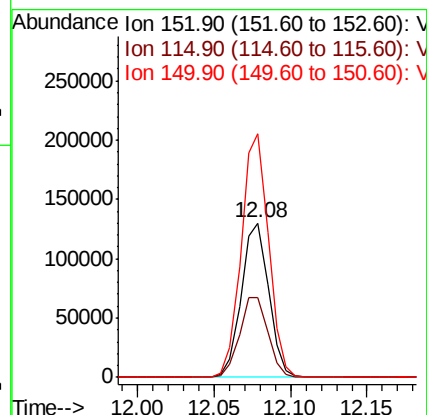
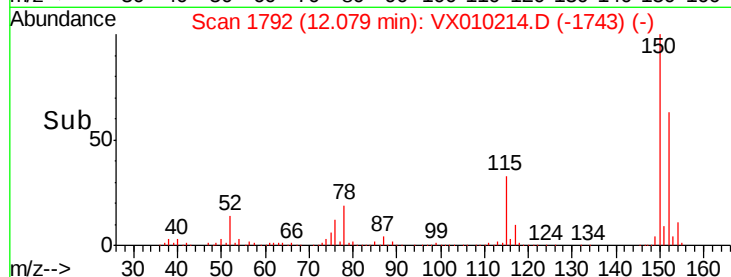
150 157.5 0.0 345.2



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: 21.073 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010214.D

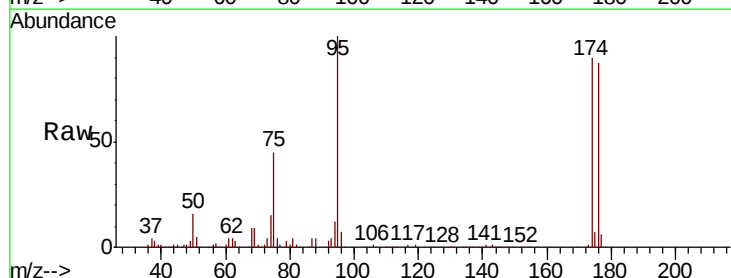
Acq: 11 Jun 2019 06:34

Tgt Ion: 75 Resp: 68012

Ion Ratio Lower Upper

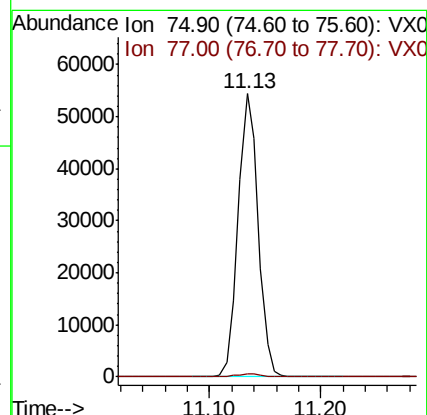
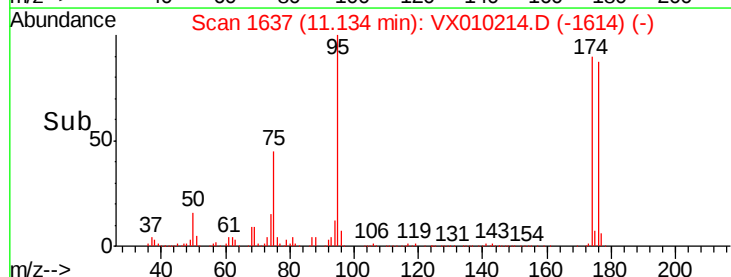
75 100

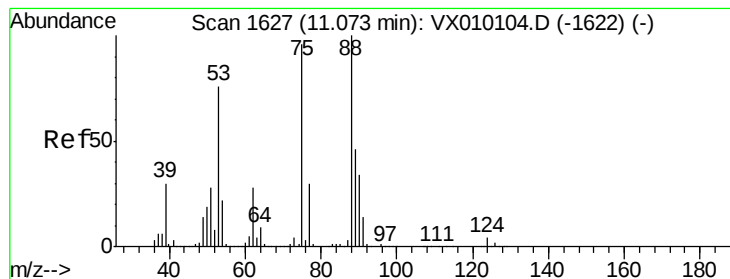
77 1.4 22.1 66.1#



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: 46.560 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010214.D

Acq: 11 Jun 2019 06:34

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20190605DL

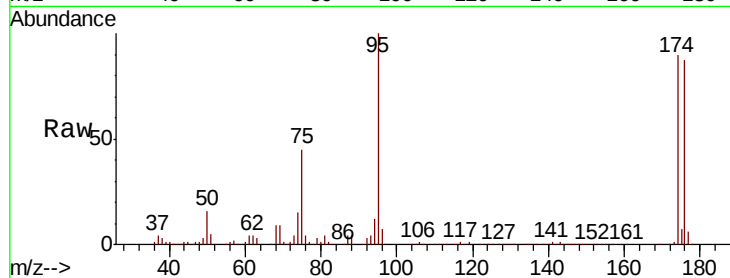
Tot Ion: 75 Resp: 68012

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 34.2 51.4#



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

