

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031219\
 Data File : VX008023.D
 Acq On : 12 Mar 2019 18:20
 Operator : JC/SP
 Sample : K1841-11DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D3-20190308DL

Quant Time: Mar 13 05:21:50 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

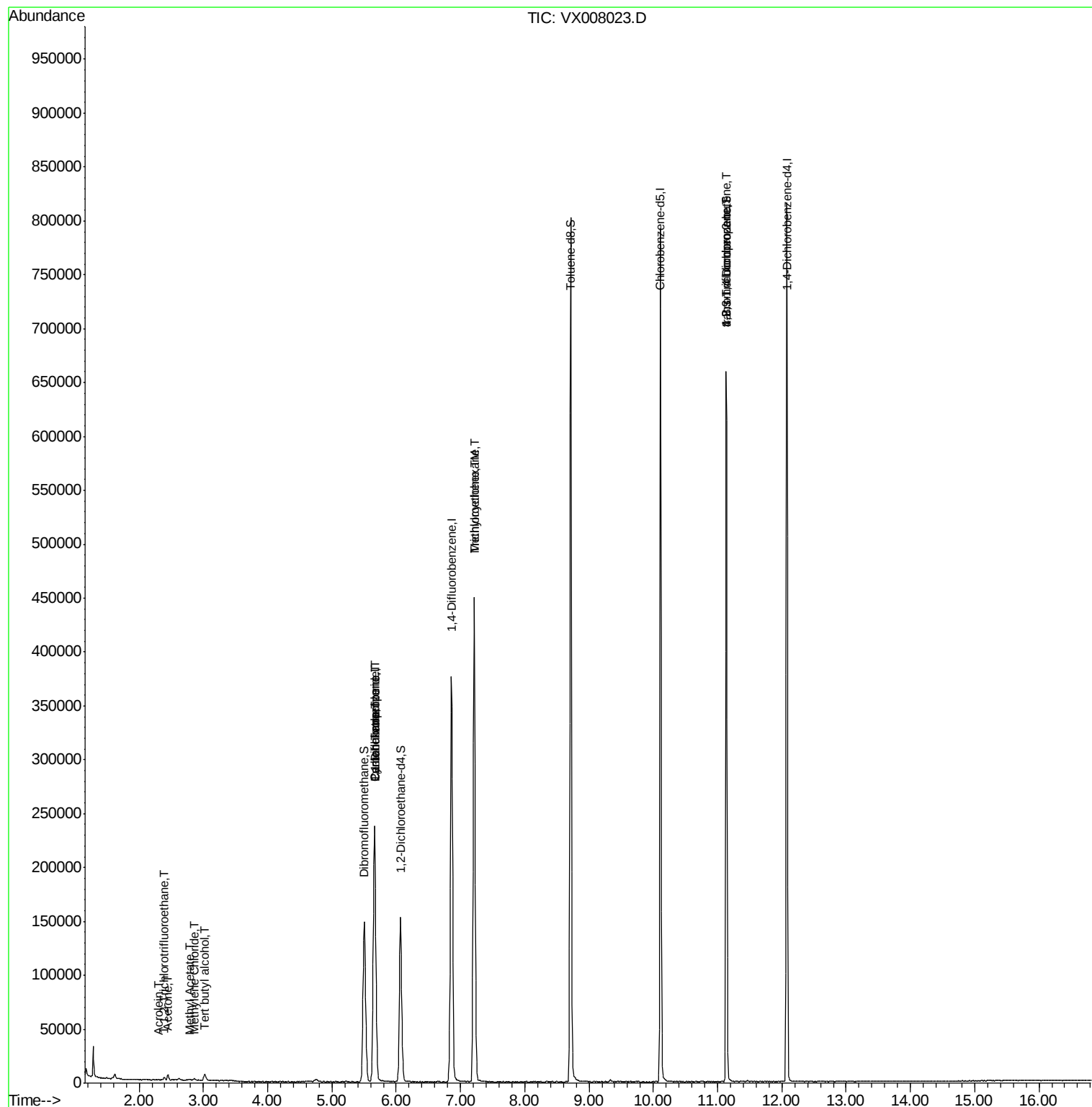
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	393460	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	377716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182770	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	138896	52.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.18%	
35) Dibromofluoromethane	5.50	113	127821	50.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.58%	
50) Toluene-d8	8.71	98	486590	52.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.28%	
62) 4-Bromofluorobenzene	11.13	95	176615	54.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.00%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	341	Below Cal	#	44
9) 1,1,2-Trichlorotrifluoroet	2.39	101	796	0.357	ug/l	96
11) Tert butyl alcohol	3.02	59	3426	5.745	ug/l #	76
13) Acrolein	2.30	56	42	1.665	ug/l #	13
16) Acetone	2.45	43	5282	3.422	ug/l	99
17) Carbon Disulfide	2.57	76	433	Below Cal	#	8
18) Methyl Acetate	2.78	43	729	0.222	ug/l #	89
20) Methylene Chloride	2.86	84	586	0.239	ug/l	90
31) Cyclohexane	5.67	56	3755	0.916	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15417	4.327	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21298	6.297	ug/l #	16
39) Methylcyclohexane	7.21	83	2019	0.468	ug/l #	1
44) Trichloroethene	7.21	130	184125	62.994	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	80965	21.111	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	80965	67.480	ug/l #	11

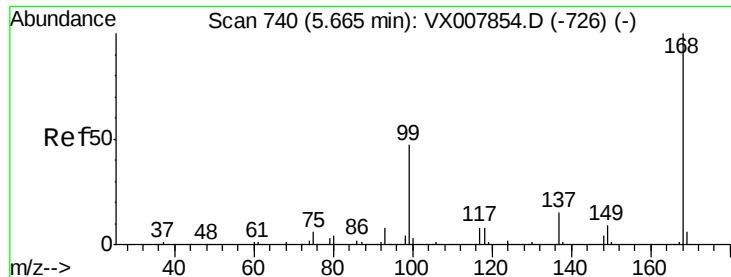
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008023.D

Acq: 12 Mar 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

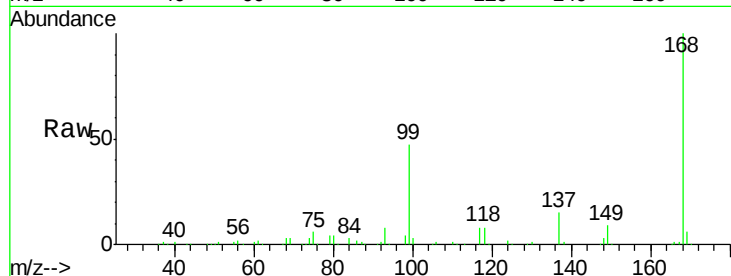
RE103D3-20190308DL

Tot Ion:168 Resp: 252790

Ion Ratio Lower Upper

168 100

99 46.9 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

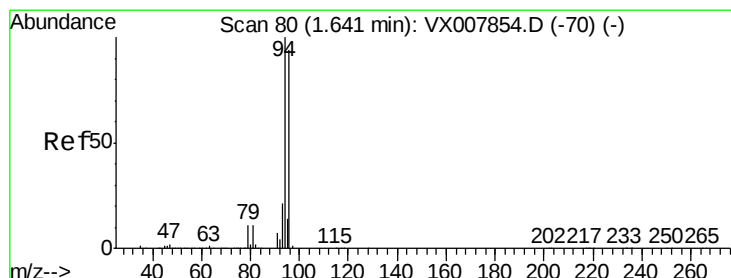
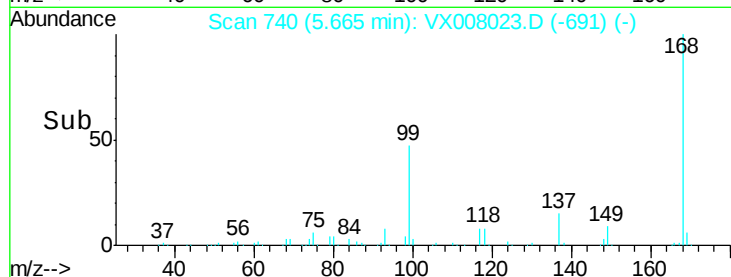
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008023.D

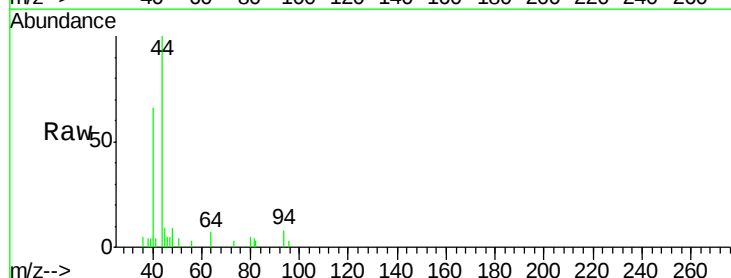
Acq: 12 Mar 2019 18:20

Tgt Ion: 94 Resp: 341

Ion Ratio Lower Upper

94 100

96 39.9 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

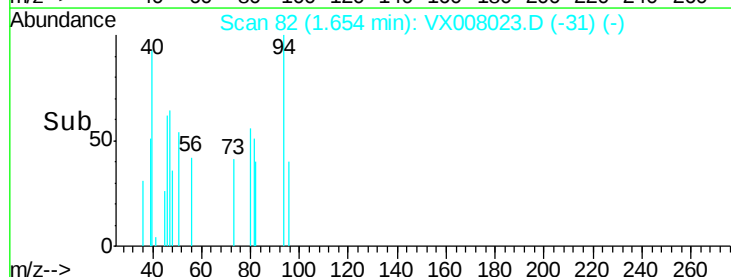
150

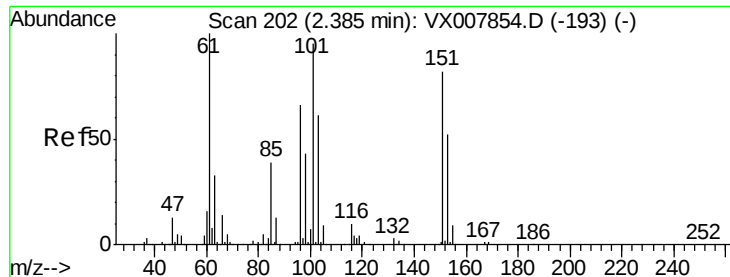
100

50

0

Time--> 1.60 1.65 1.70





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.357 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008023.D

Acq: 12 Mar 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20190308DL

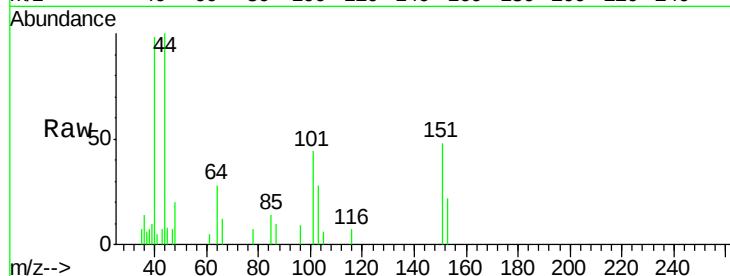
Tot Ion:101 Resp: 796

Ion Ratio Lower Upper

101 100

85 45.2 33.8 50.6

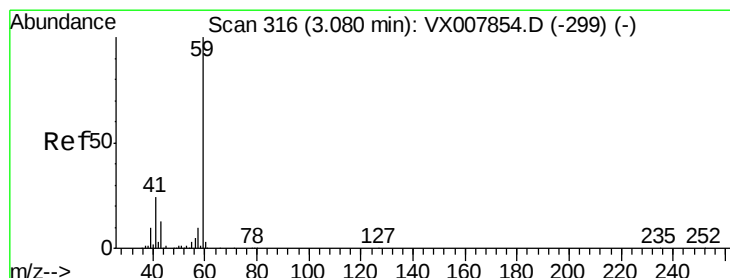
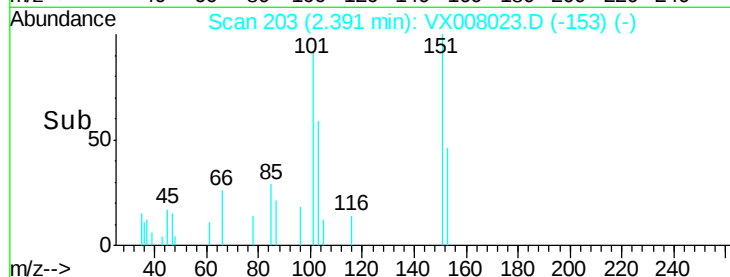
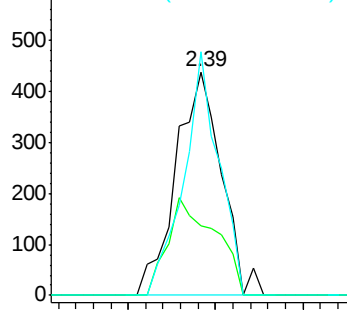
151 83.5 69.1 103.7



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: 5.745 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX008023.D

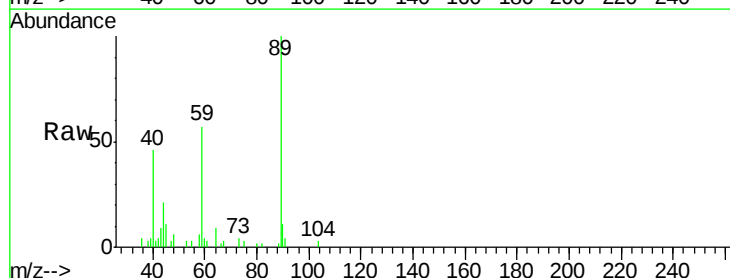
Acq: 12 Mar 2019 18:20

Tgt Ion: 59 Resp: 3426

Ion Ratio Lower Upper

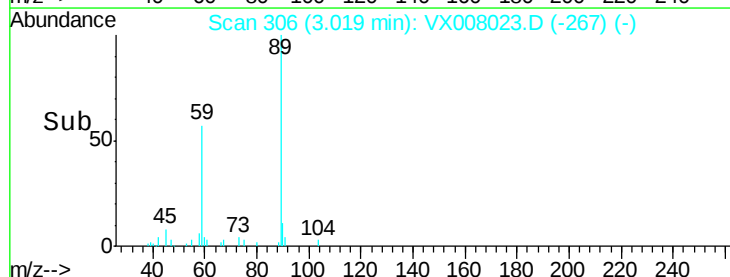
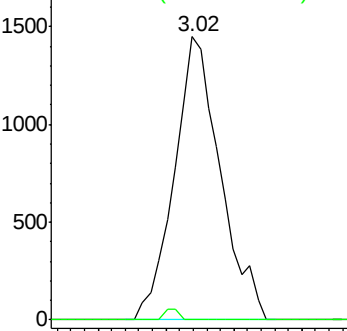
59 100

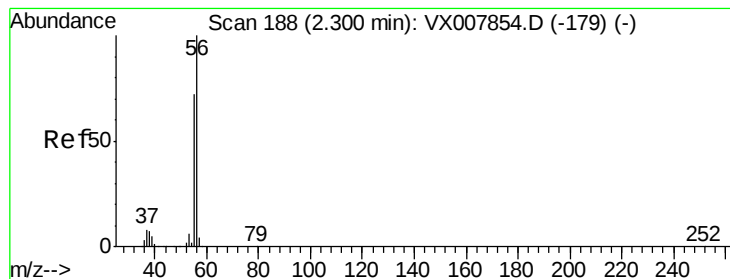
57 1.2 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.665 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX008023.D

Acq: 12 Mar 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

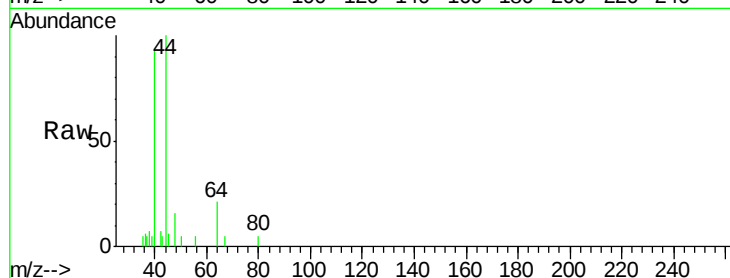
RE103D3-20190308DL

Tot Ion: 56 Resp: 42

Ion Ratio Lower Upper

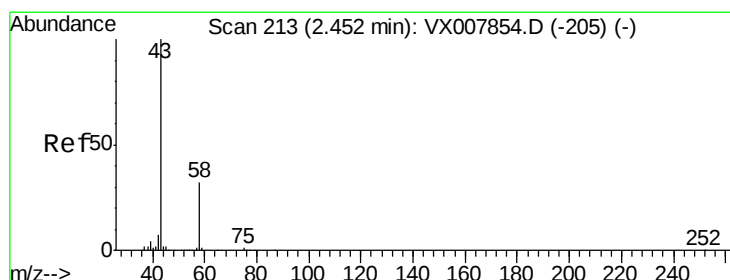
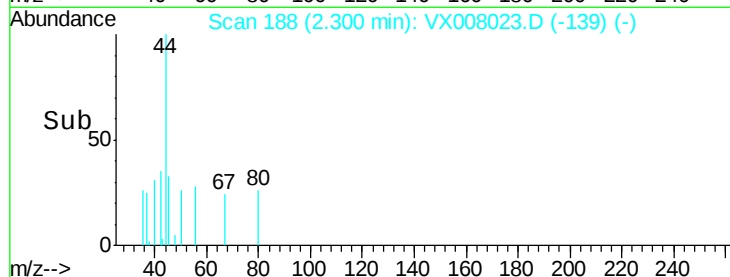
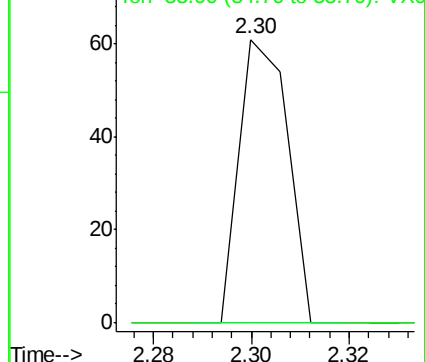
56 100

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: 3.422 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008023.D

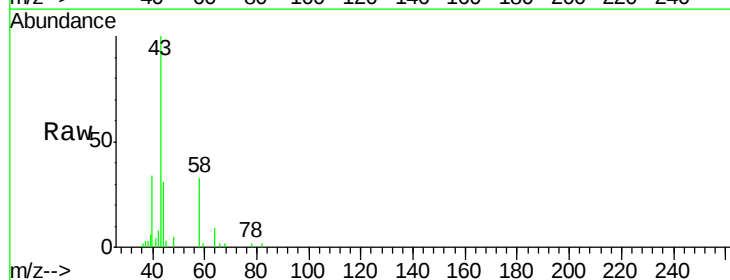
Acq: 12 Mar 2019 18:20

Tgt Ion: 43 Resp: 5282

Ion Ratio Lower Upper

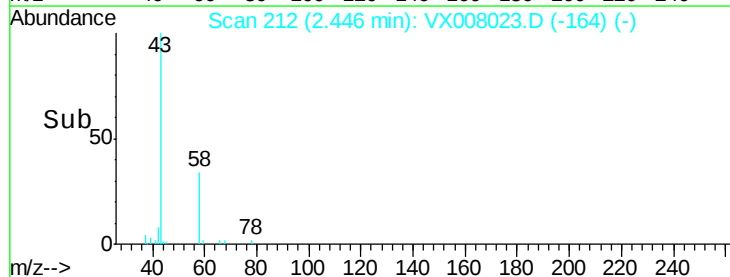
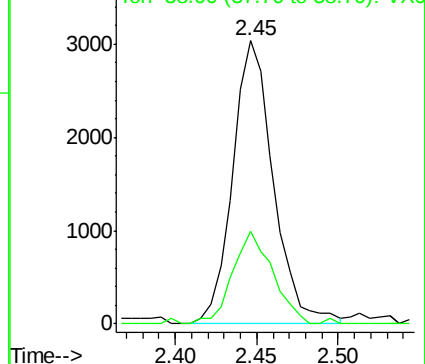
43 100

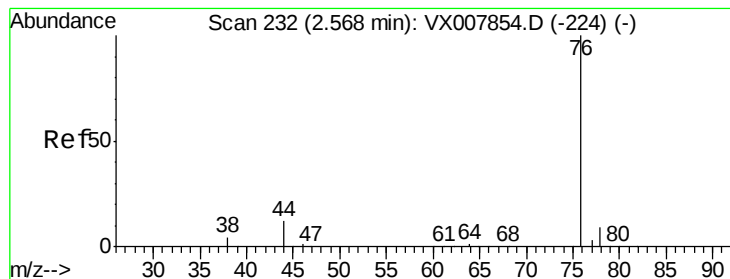
58 32.7 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008023.D

Acq: 12 Mar 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

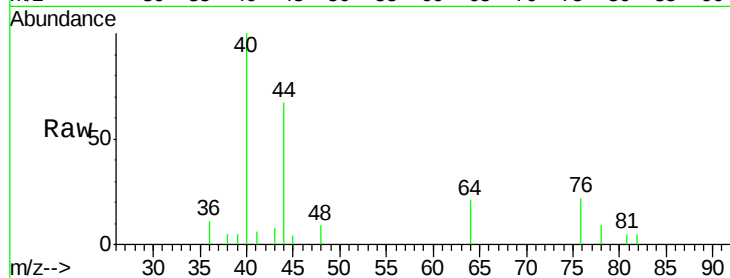
RE103D3-20190308DL

Tot Ion: 76 Resp: 433

Ion Ratio Lower Upper

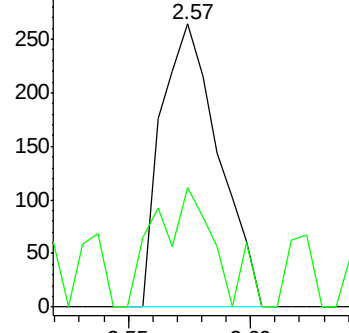
76 100

78 42.4 7.2 10.8#

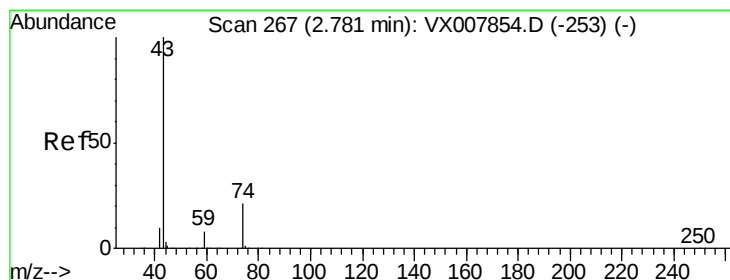
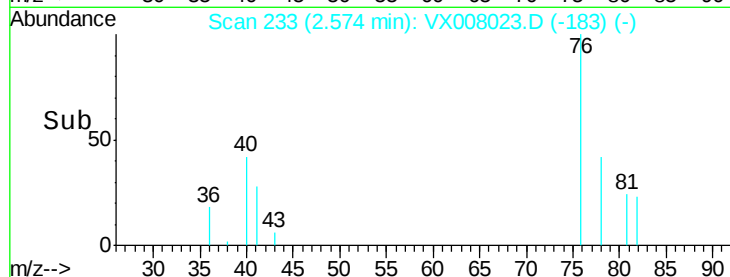


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 0.222 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX008023.D

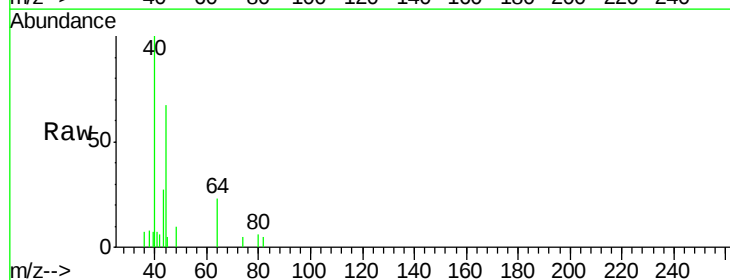
Acq: 12 Mar 2019 18:20

Tgt Ion: 43 Resp: 729

Ion Ratio Lower Upper

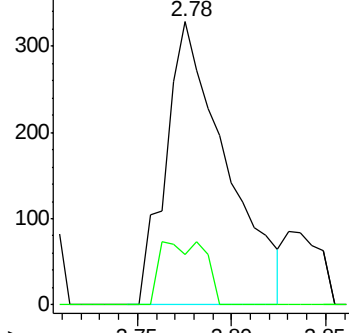
43 100

74 16.7 17.8 26.6#

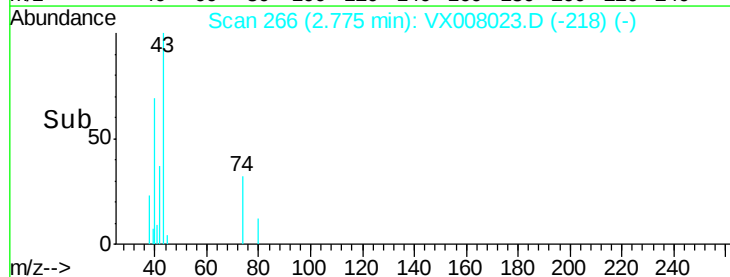


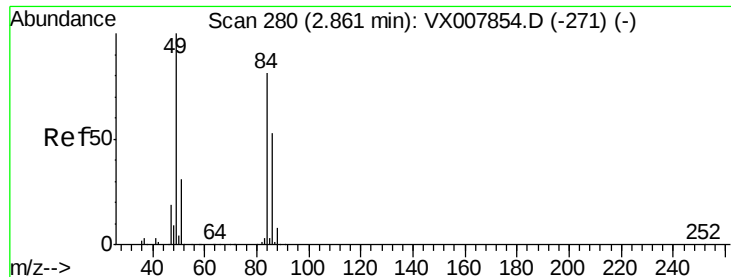
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->

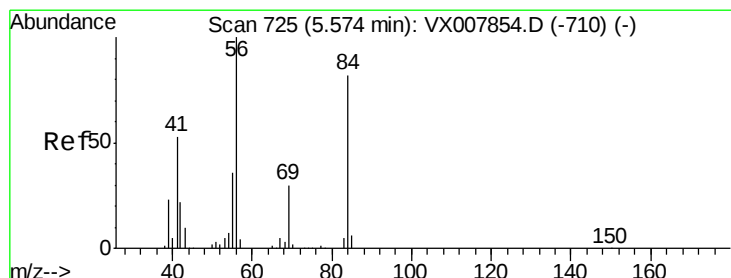
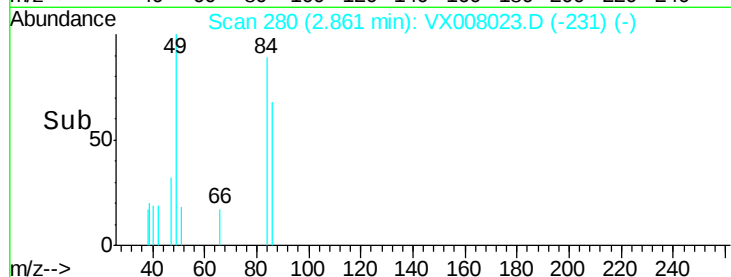
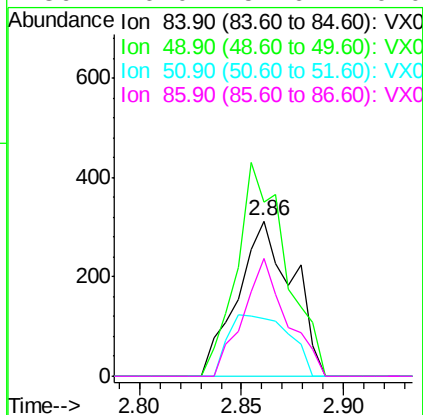
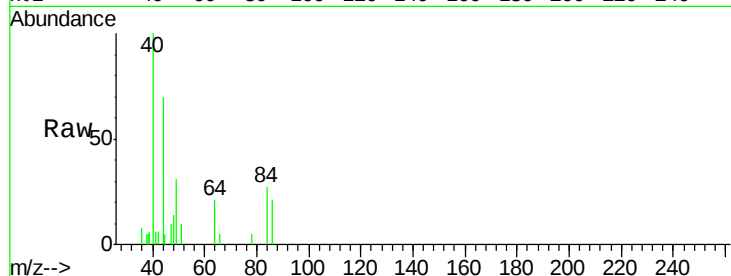




#20
Methvlene Chloride
Concen: 0.239 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008023.D
Acq: 12 Mar 2019 18:20

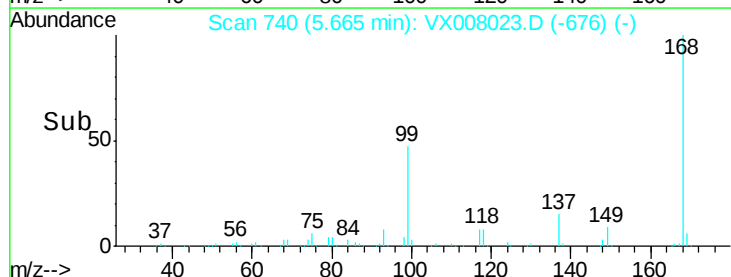
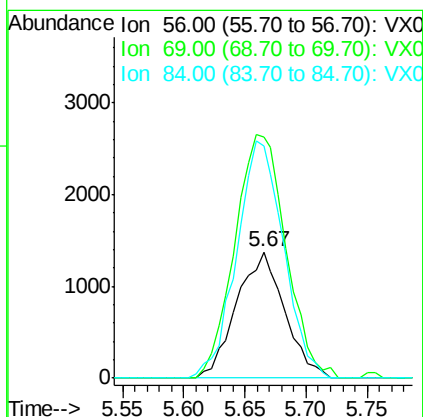
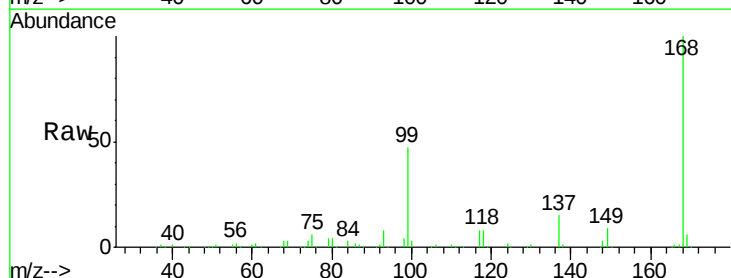
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20190308DL

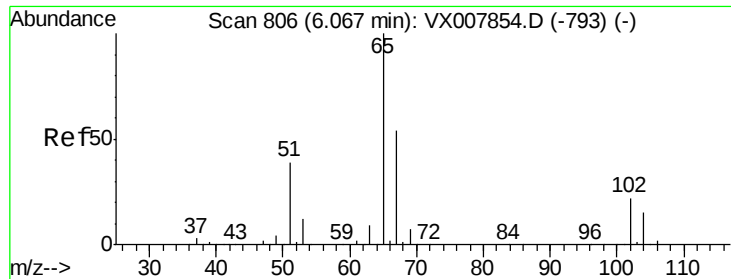
Tot Ion:	84	Resp:	586
Ion	Ratio	Lower	Upper
84	100		
49	112.1	99.3	148.9
51	37.4	31.3	46.9
86	76.0	52.6	79.0



#31
Cyclohexane
Concen: 0.916 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008023.D
Acq: 12 Mar 2019 18:20

Tgt Ion:	56	Resp:	3755
Ion	Ratio	Lower	Upper
56	100		
69	191.6	24.0	36.0#
84	183.9	65.3	97.9#

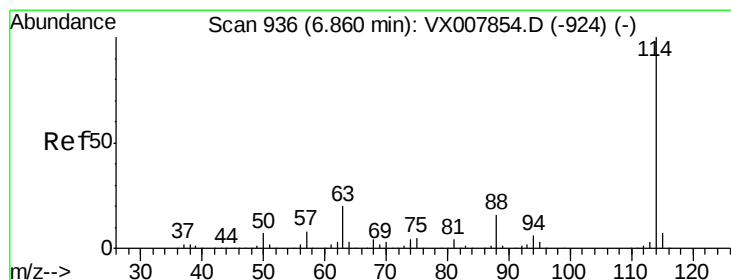
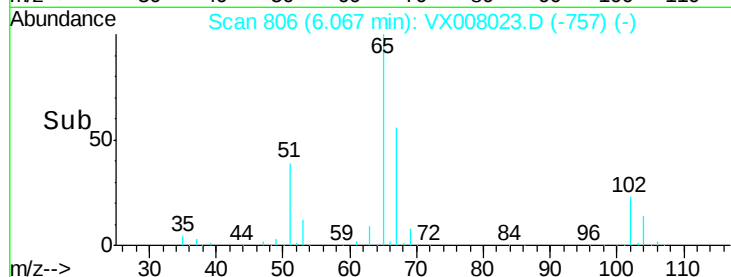
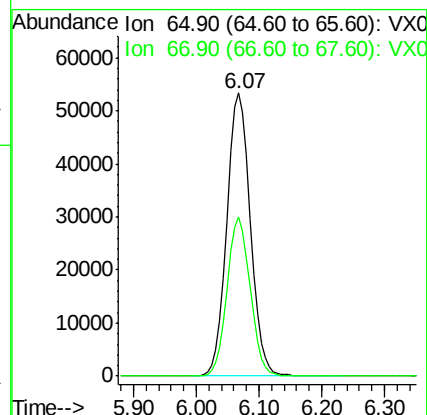
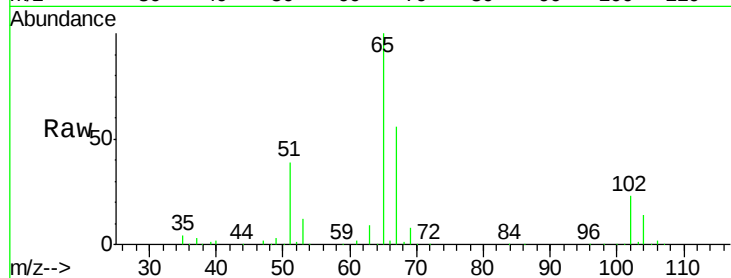




#33
 1,2-Dichloroethane-d4
 Concen: 52.086 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008023.D
 Acq: 12 Mar 2019 18:20

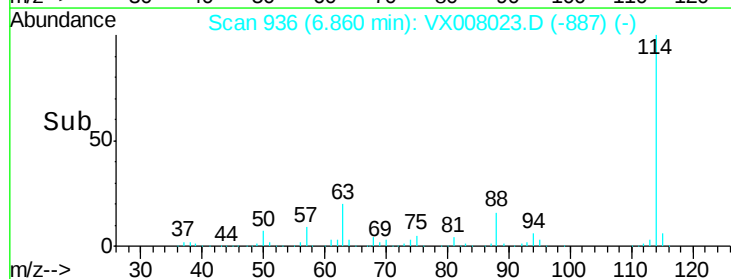
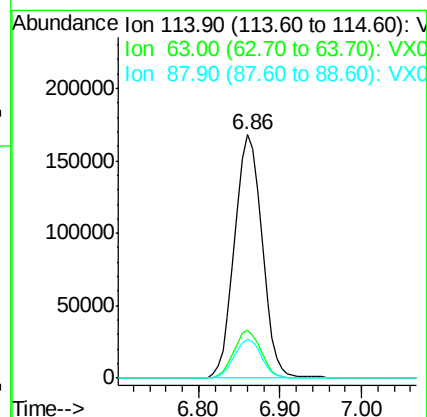
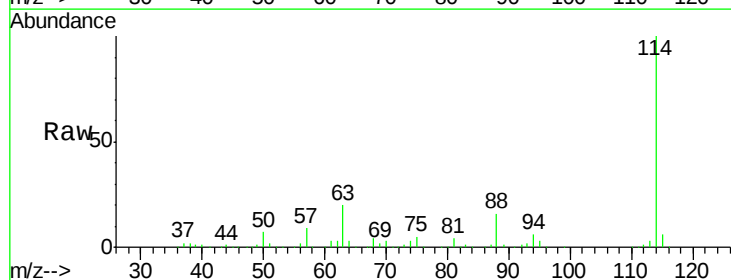
Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D3-20190308DL

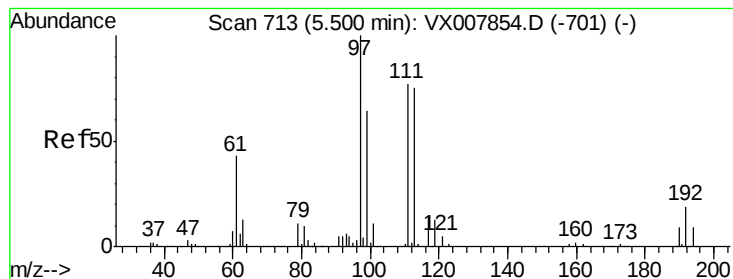
Tot Ion: 65 Resp: 138896
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008023.D
 Acq: 12 Mar 2019 18:20

Tgt Ion: 114 Resp: 393460
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.786 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008023.D

Acq: 12 Mar 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20190308DL

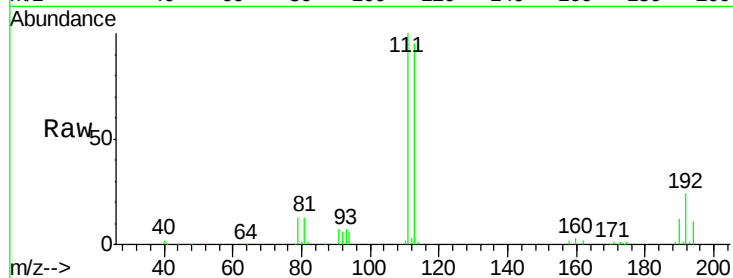
Tot Ion:113 Resp: 127821

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

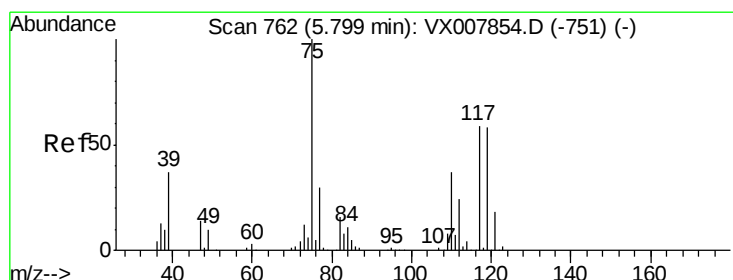
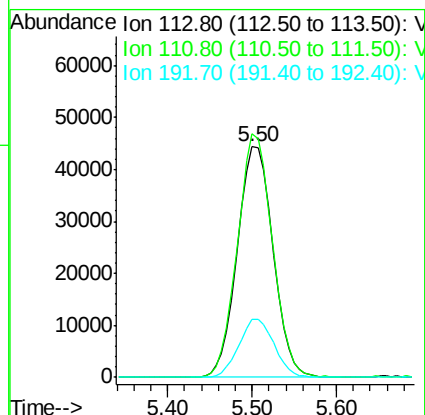
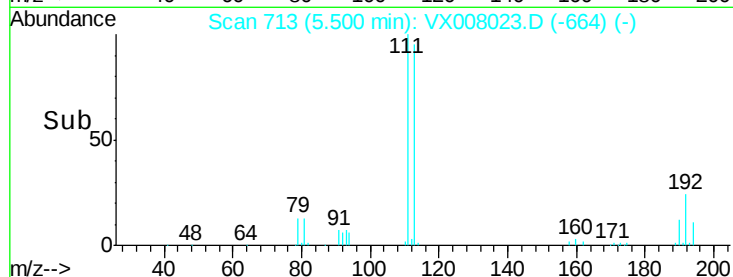
192 24.8 19.4 29.0



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: 4.327 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008023.D

Acq: 12 Mar 2019 18:20

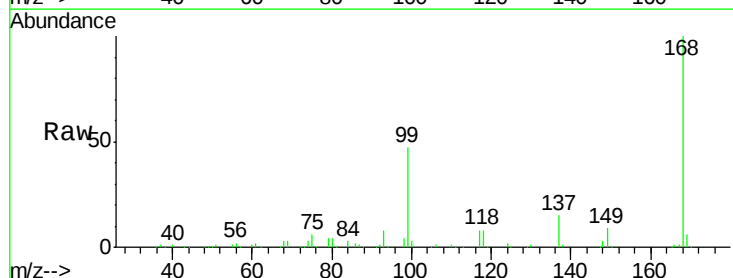
Tgt Ion: 75 Resp: 15417

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.0#

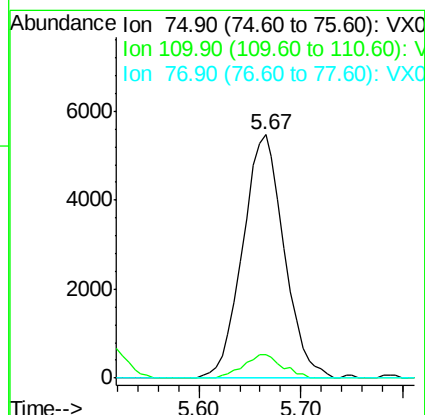
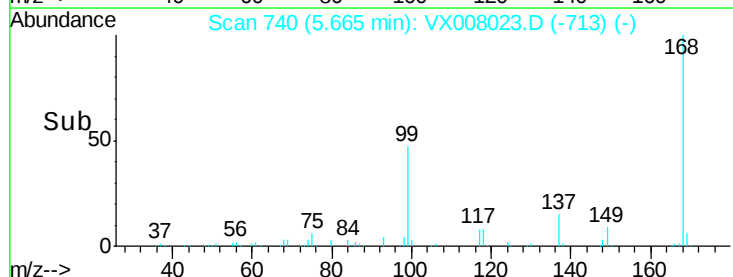
77 0.0 25.0 37.4#

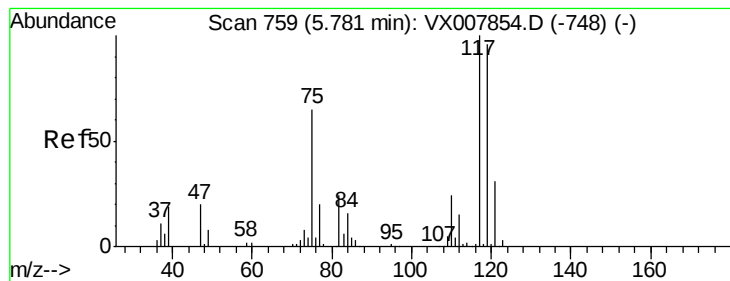


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.297 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008023.D

Acq: 12 Mar 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20190308DL

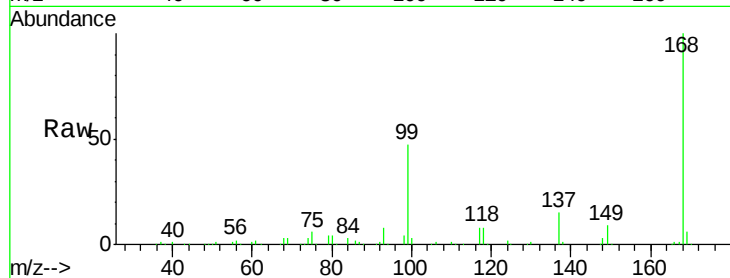
Tot Ion:117 Resp: 21298

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.2#

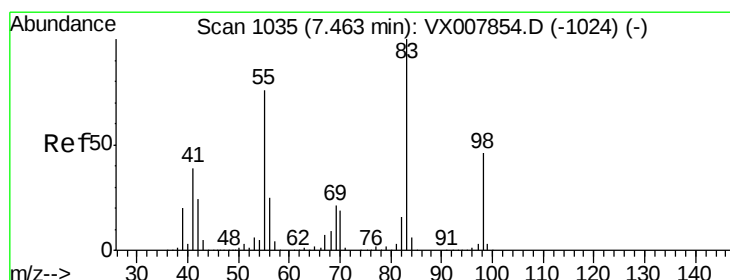
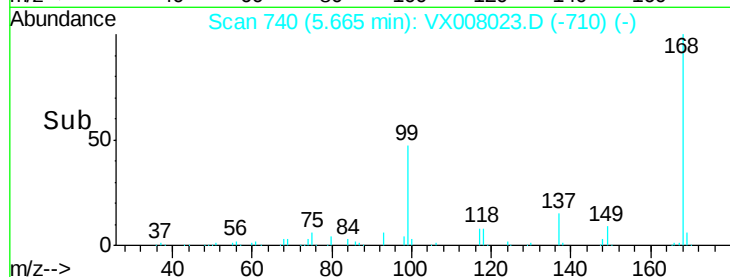
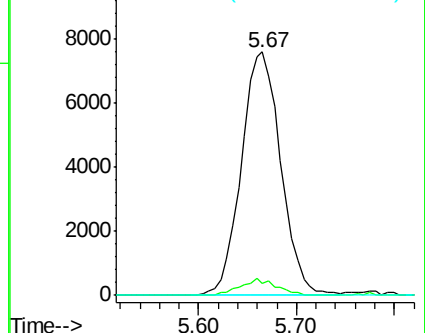
121 0.0 24.6 36.8#



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

Methylcyclohexane

Concen: 0.468 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.26 min

Lab File: VX008023.D

Acq: 12 Mar 2019 18:20

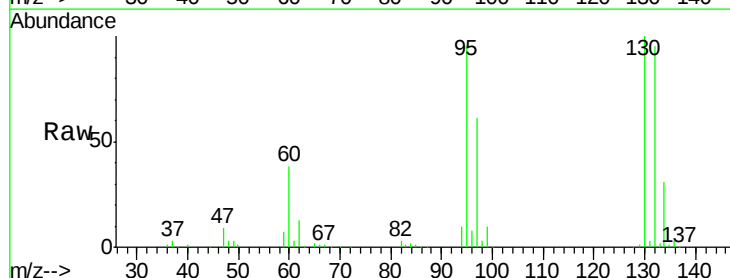
Tgt Ion: 83 Resp: 2019

Ion Ratio Lower Upper

83 100

55 0.0 60.4 90.6#

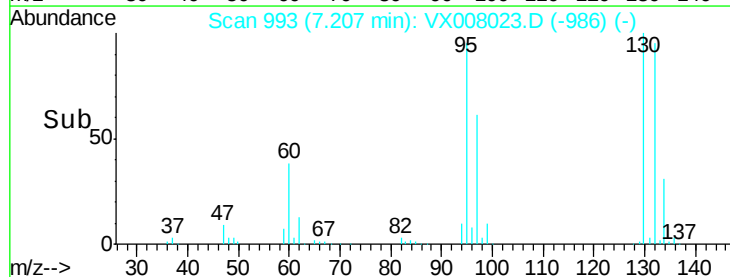
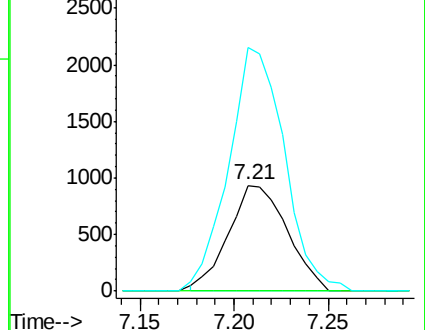
98 222.1 36.5 54.7#

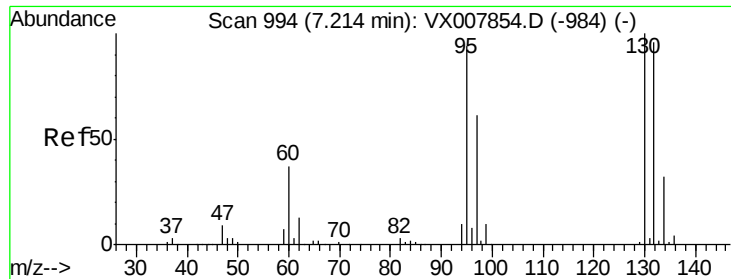


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#44

Trichloroethene

Concen: 62.994 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008023.D

Acq: 12 Mar 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

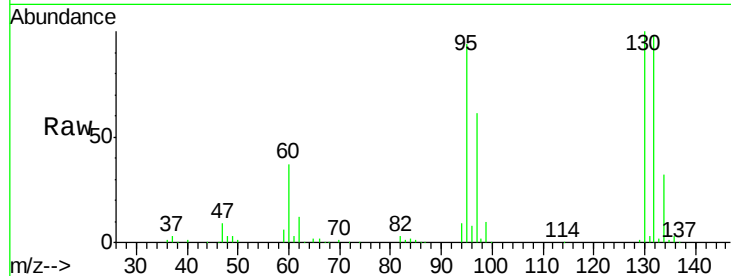
RE103D3-20190308DL

Tot Ion:130 Resp: 184125

Ion Ratio Lower Upper

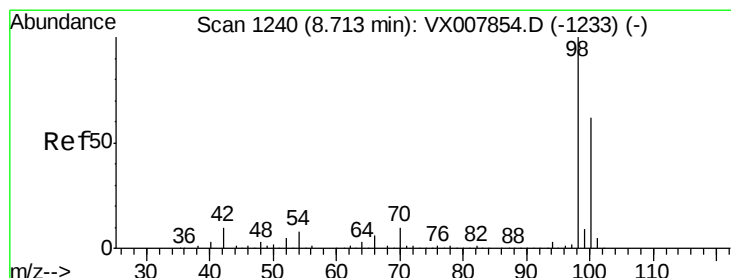
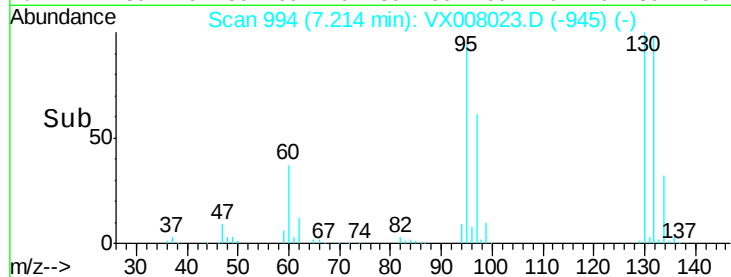
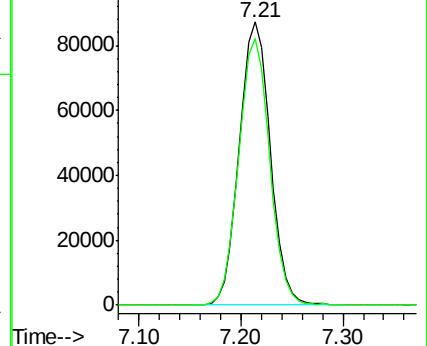
130 100

95 94.4 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 52.643 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008023.D

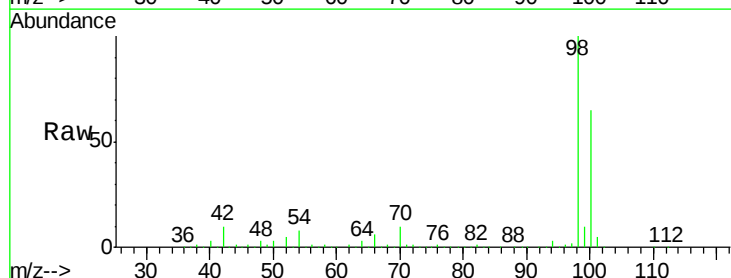
Acq: 12 Mar 2019 18:20

Tgt Ion: 98 Resp: 486590

Ion Ratio Lower Upper

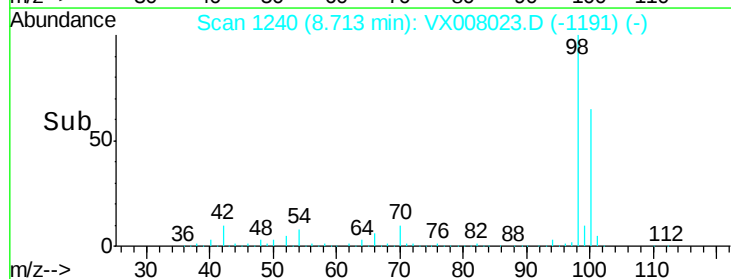
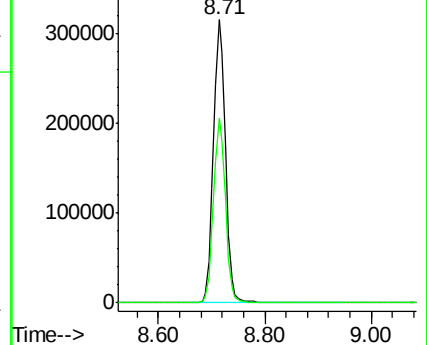
98 100

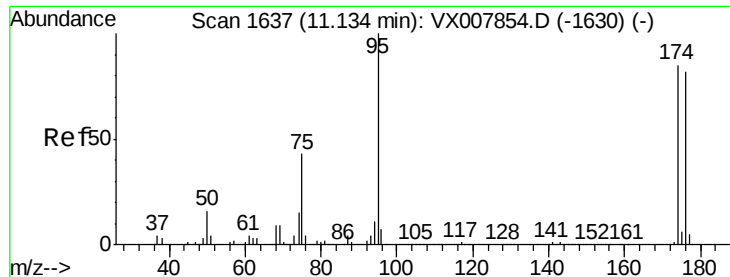
100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.499 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008023.D

Acq: 12 Mar 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20190308DL

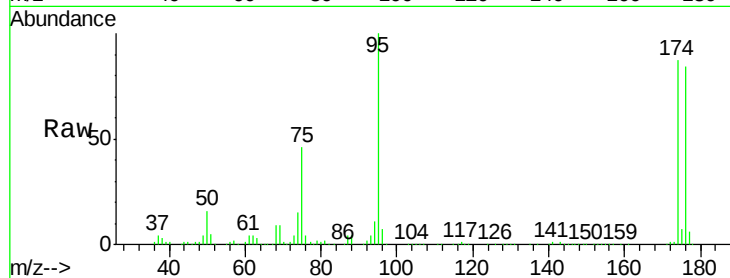
Tot Ion: 95 Resp: 176615

Ion Ratio Lower Upper

95 100

174 93.5 0.0 182.8

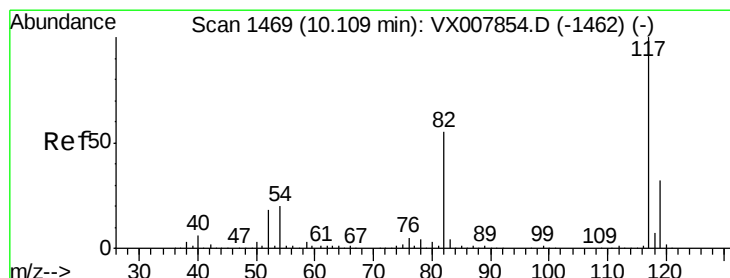
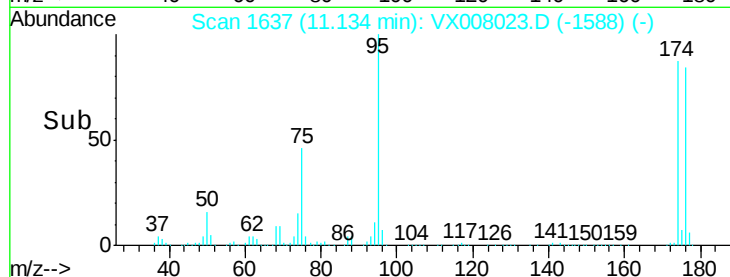
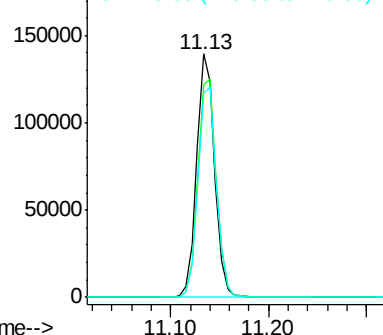
176 89.3 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008023.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008023.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008023.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008023.D

Acq: 12 Mar 2019 18:20

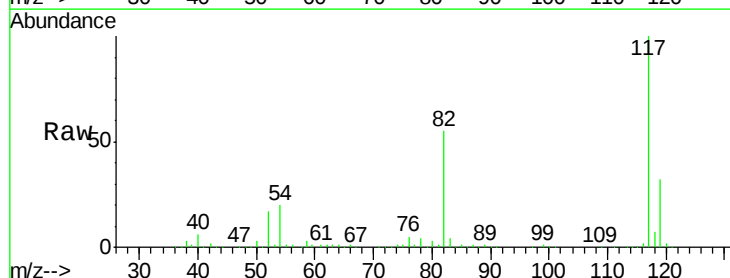
Tgt Ion: 117 Resp: 377716

Ion Ratio Lower Upper

117 100

82 55.4 44.3 66.5

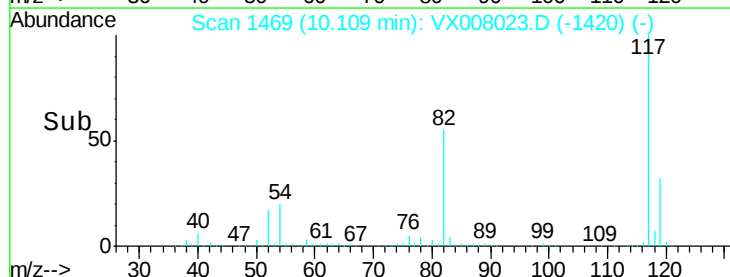
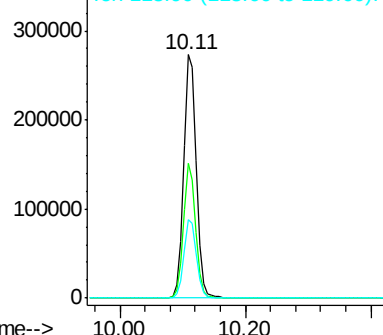
119 32.4 25.3 37.9

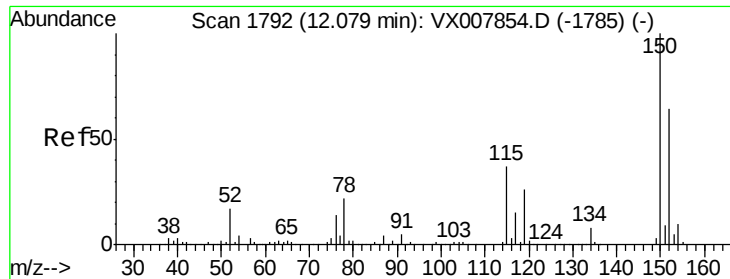


Abundance Ion 116.90 (116.60 to 117.60): VX008023.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008023.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008023.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008023.D

Acq: 12 Mar 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20190308DL

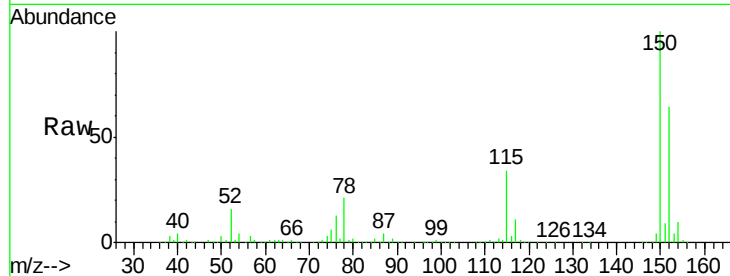
Tot Ion:152 Resp: 182770

Ion Ratio Lower Upper

152 100

115 55.1 38.6 115.7

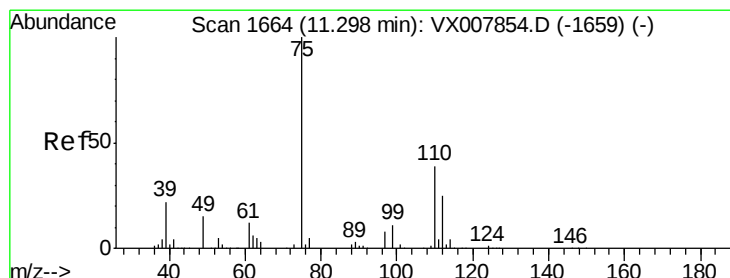
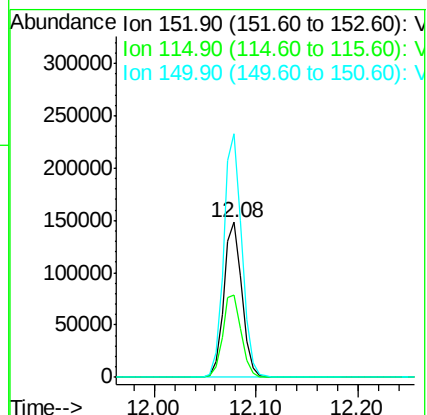
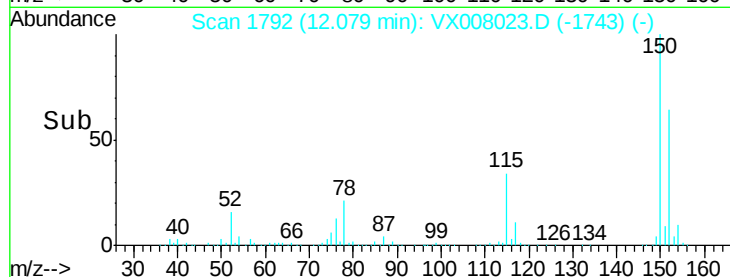
150 157.8 0.0 348.4



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: 21.111 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008023.D

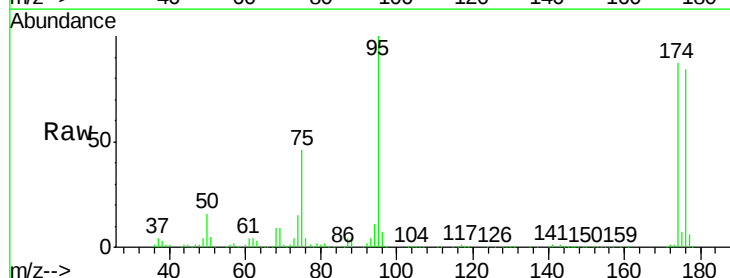
Acq: 12 Mar 2019 18:20

Tgt Ion: 75 Resp: 80965

Ion Ratio Lower Upper

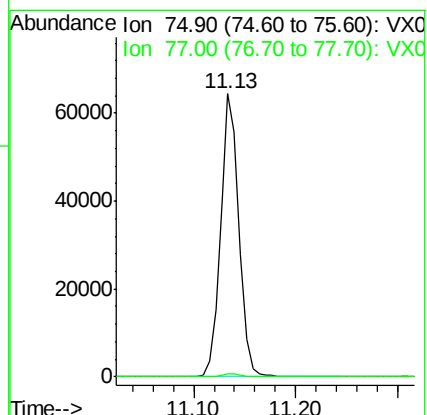
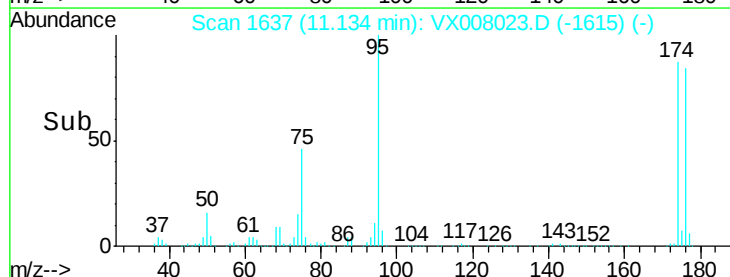
75 100

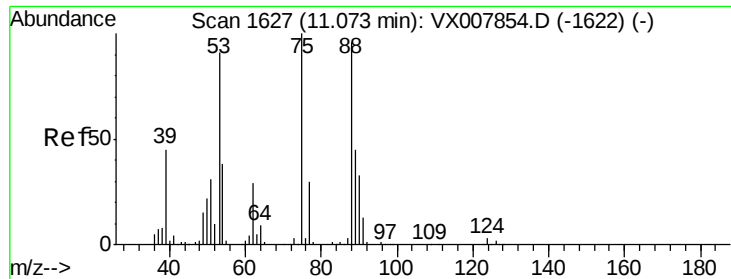
77 1.3 18.9 56.7#



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: 67.480 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008023.D

Acq: 12 Mar 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20190308DL

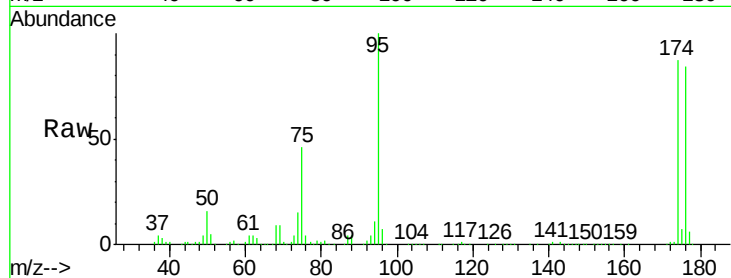
Tot Ion: 75 Resp: 80965

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

