

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010205.D
 Acq On : 11 Jun 2019 03:03
 Operator : JC/SP
 Sample : K3255-22DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20190605DL

Quant Time: Jun 11 06:20:04 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	5.67	168	248617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	379739	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	337264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160808	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	113596	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
35) Dibromofluoromethane	5.50	113	115219	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	8.71	98	438091	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.13	95	151512	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

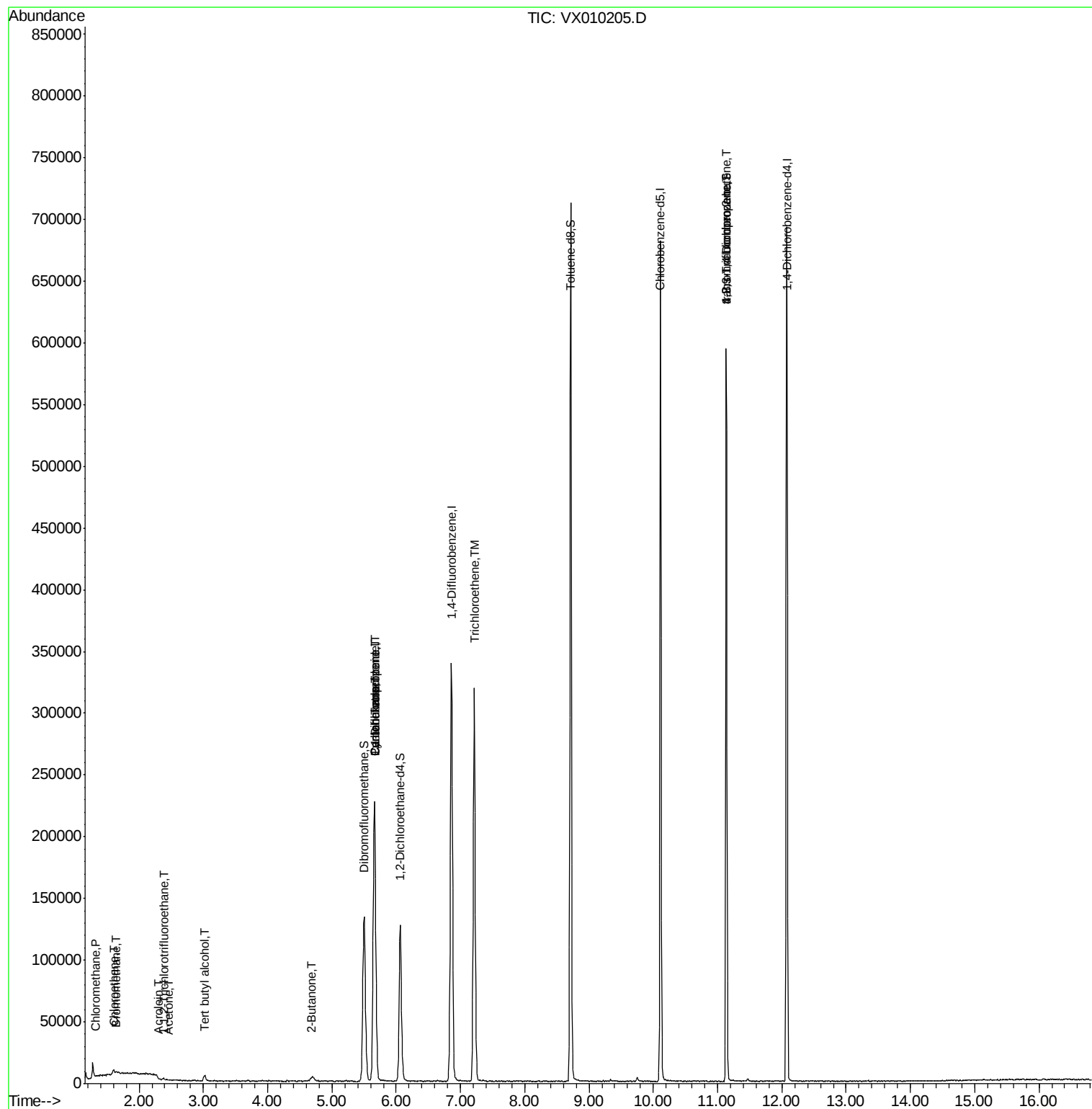
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	621	0.273	ug/l	97
5) Bromomethane	1.65	94	361	0.448	ug/l	87
6) Chloroethane	1.62	64	741	0.688	ug/l #	75
9) 1,1,2-Trichlorotrifluoroet	2.39	101	517	0.236	ug/l #	83
11) Tert butyl alcohol	3.01	59	2512	4.225	ug/l #	84
13) Acrolein	2.31	56	192	1.771	ug/l #	62
16) Acetone	2.45	43	569	0.499	ug/l #	42
25) 2-Butanone	4.68	43	410	0.241	ug/l #	54
31) Cyclohexane	5.67	56	4083	1.156	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14311	4.619	ug/l #	53
38) Carbon Tetrachloride	5.66	117	21208	6.048	ug/l #	16
44) Trichloroethene	7.21	130	130655	45.246	ug/l	85
76) 1,2,3-Trichloropropane	11.13	75	68450	21.281	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	68450	47.019	ug/l #	10

(#) = 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: VX010205.D

Acq: 11 Jun 2019 03:03

Instrument :

MSVOA_X

ClientSampleId :

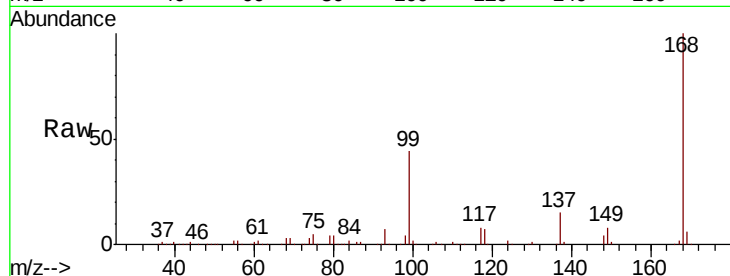
RE103D2-20190605DL

Tot Ion:168 Resp: 248617

Ion Ratio Lower Upper

168 100

99 44.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

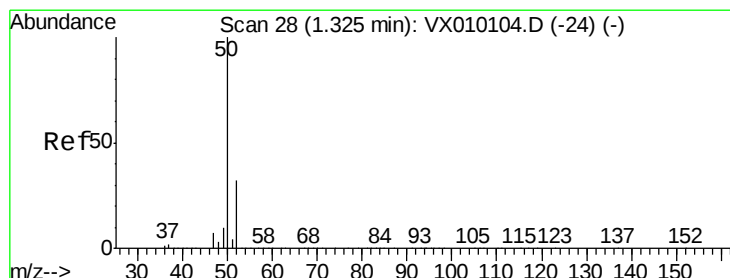
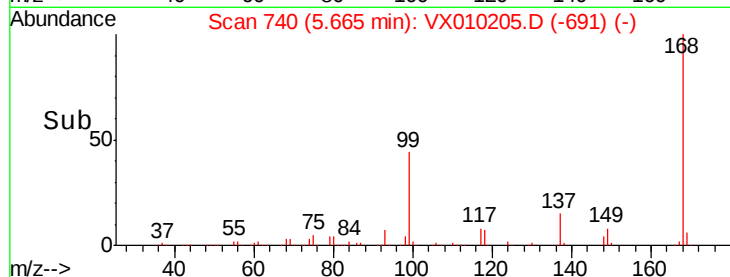
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.273 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010205.D

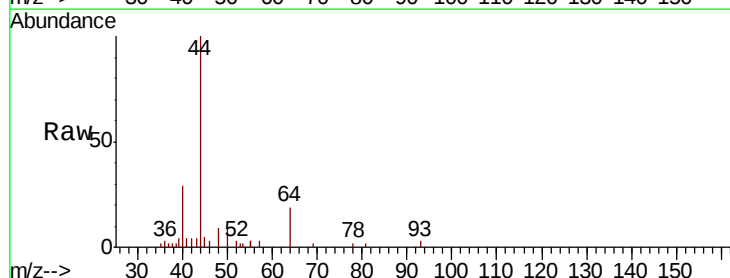
Acq: 11 Jun 2019 03:03

Tgt Ion: 50 Resp: 621

Ion Ratio Lower Upper

50 100

52 31.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

250

200

150

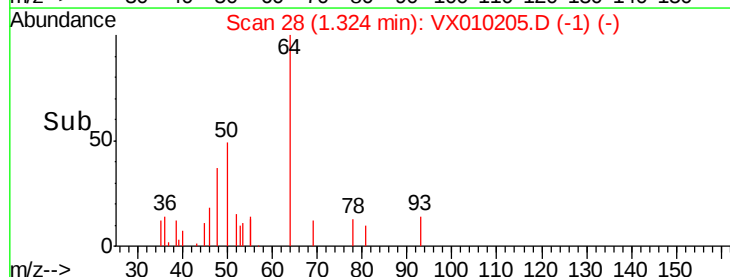
100

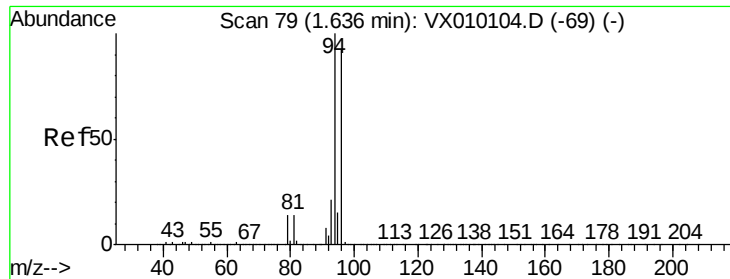
50

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 0.448 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010205.D

Acq: 11 Jun 2019 03:03

Instrument :

MSVOA_X

ClientSampleId :

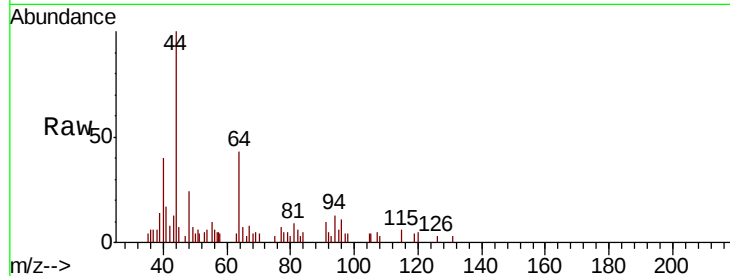
RE103D2-20190605DL

Tot Ion: 94 Resp: 361

Ion Ratio Lower Upper

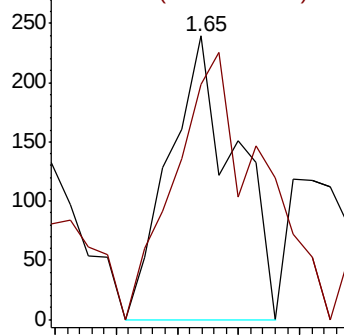
94 100

96 82.8 76.2 114.4

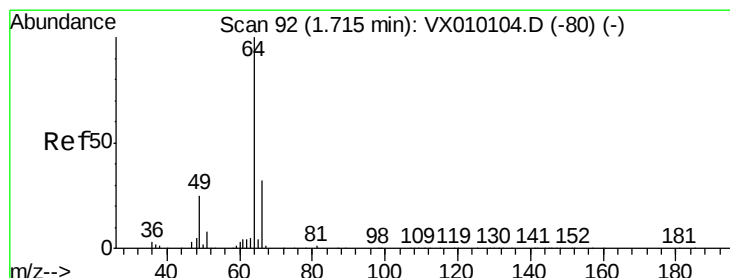
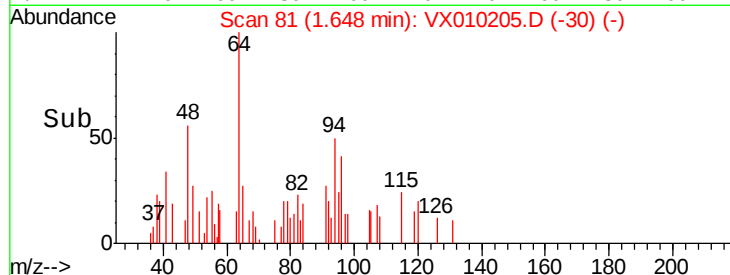


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.688 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.09 min

Lab File: VX010205.D

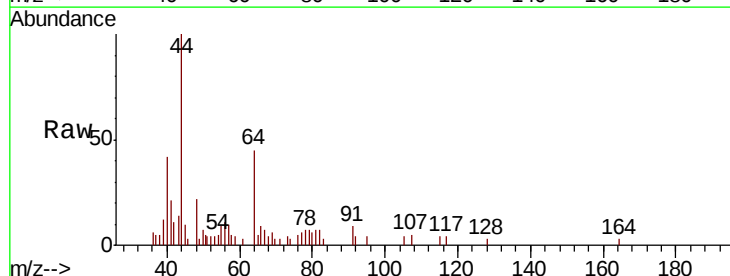
Acq: 11 Jun 2019 03:03

Tgt Ion: 64 Resp: 741

Ion Ratio Lower Upper

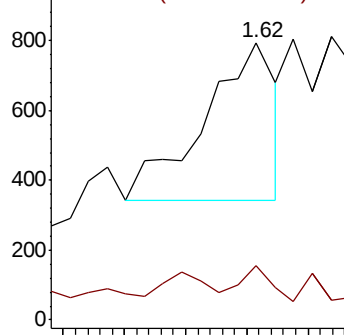
64 100

66 17.7 25.1 37.7#

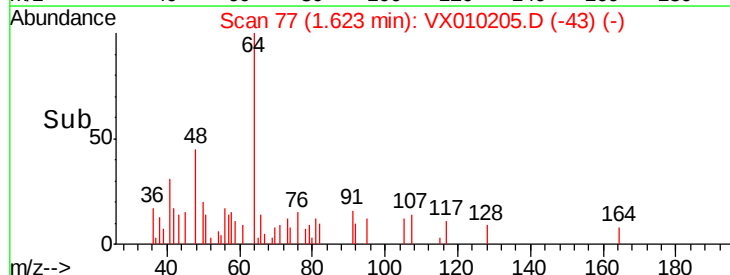


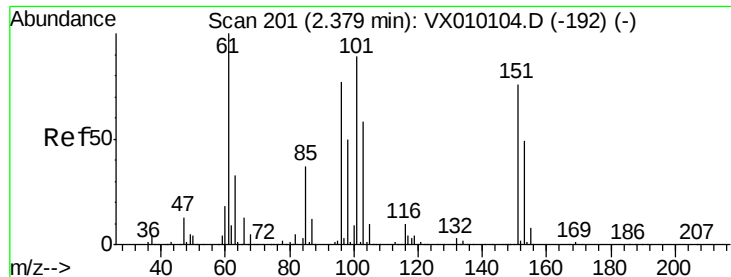
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.236 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX010205.D

Acq: 11 Jun 2019 03:03

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20190605DL

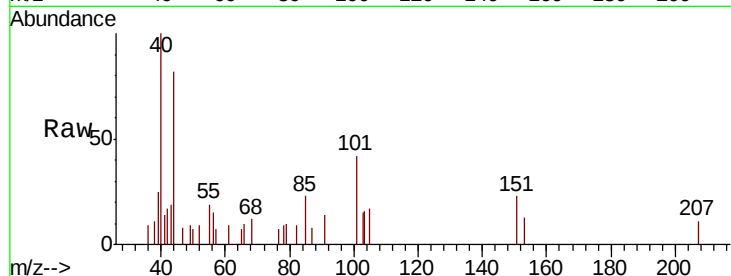
Tot Ion:101 Resp: 517

Ion Ratio Lower Upper

101 100

85 57.3 35.2 52.8#

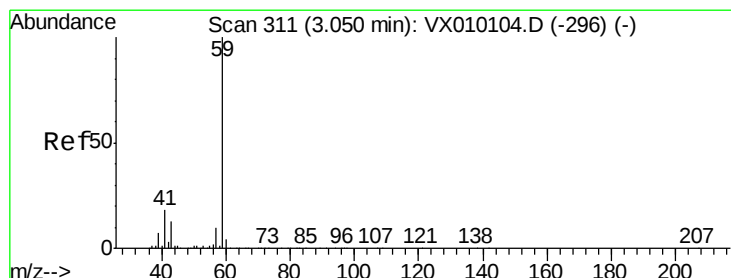
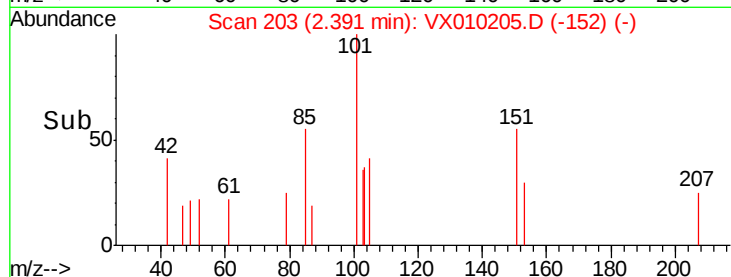
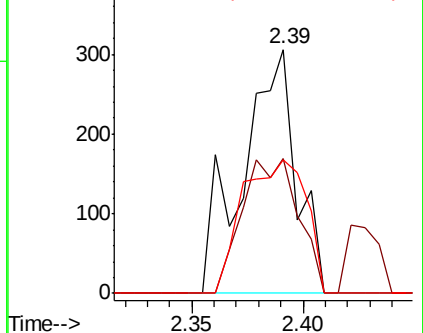
151 64.4 61.9 92.9



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: 4.225 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX010205.D

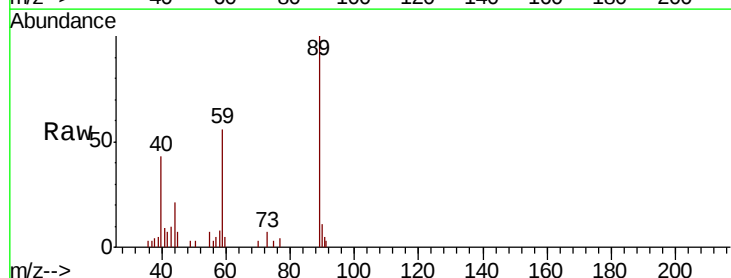
Acq: 11 Jun 2019 03:03

Tgt Ion: 59 Resp: 2512

Ion Ratio Lower Upper

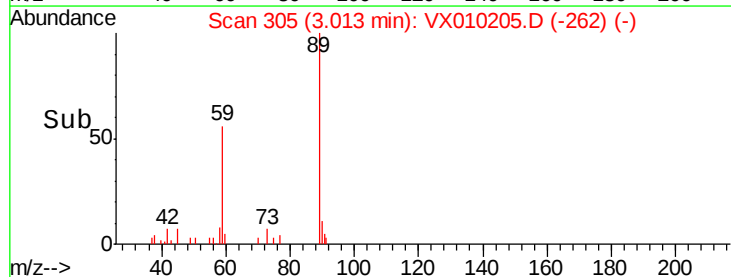
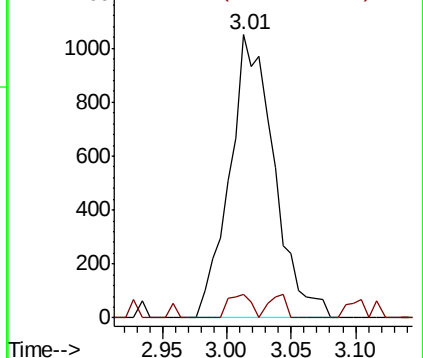
59 100

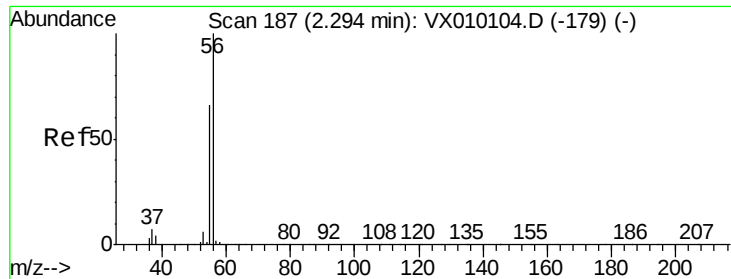
57 4.4 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.771 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX010205.D

Acq: 11 Jun 2019 03:03

Instrument :

MSVOA_X

ClientSampleId :

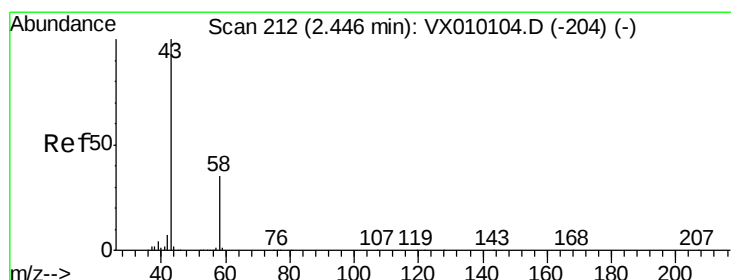
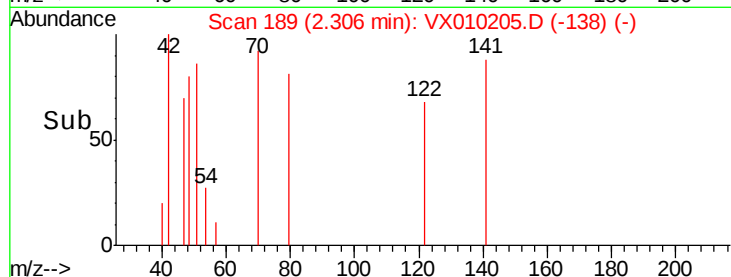
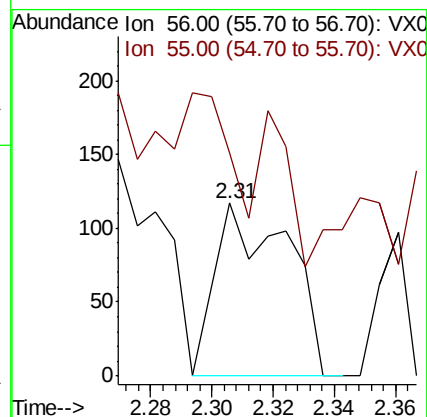
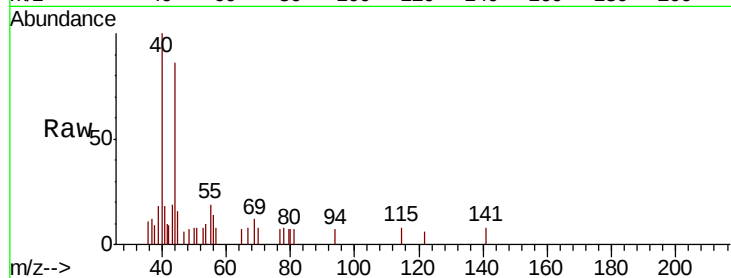
RE103D2-20190605DL

Tot Ion: 56 Resp: 192

Ion Ratio Lower Upper

56 100

55 40.1 57.0 85.4#



#16

Acetone

Concen: 0.499 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010205.D

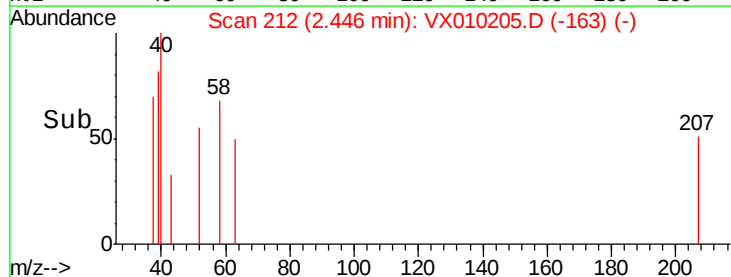
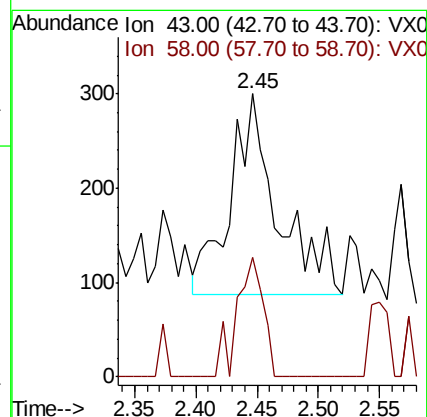
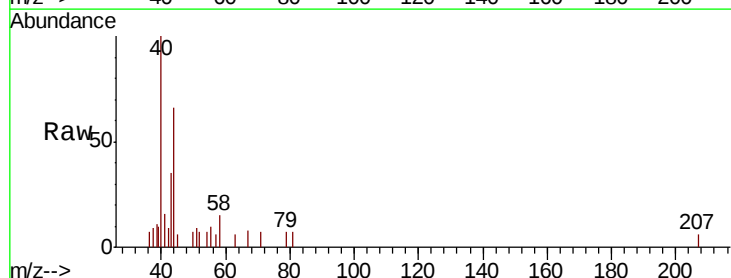
Acq: 11 Jun 2019 03:03

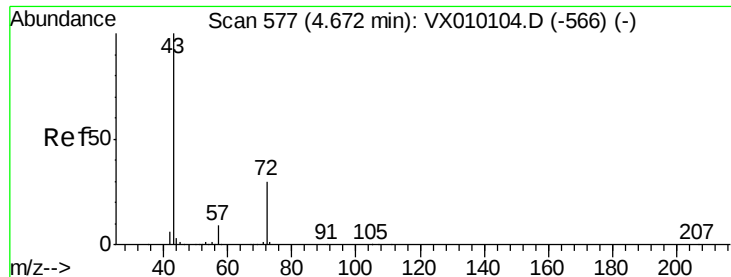
Tgt Ion: 43 Resp: 569

Ion Ratio Lower Upper

43 100

58 59.9 23.2 34.8#





#25

2-Butanone

Concen: 0.241 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010205.D

Acq: 11 Jun 2019 03:03

Instrument :

MSVOA_X

ClientSampleId :

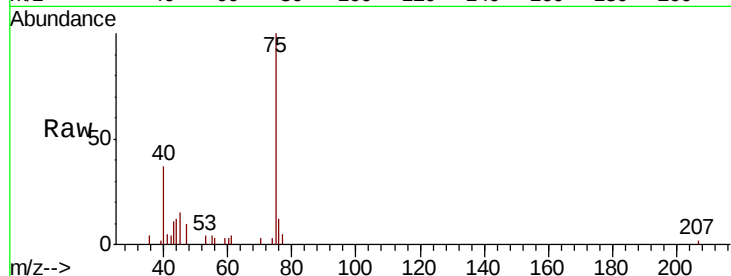
RE103D2-20190605DL

Tot Ion: 43 Resp: 410

Ion Ratio Lower Upper

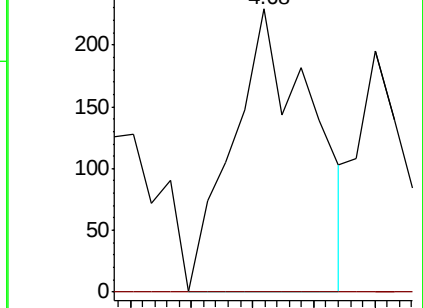
43 100

72 0.0 17.5 26.3#

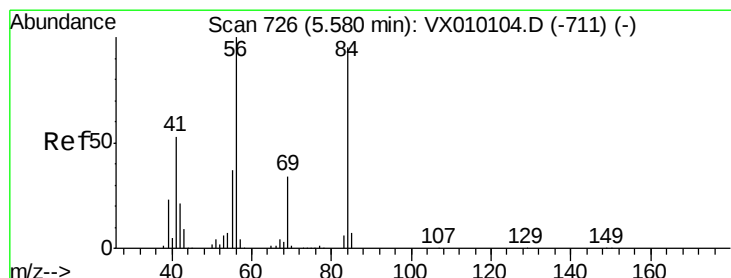
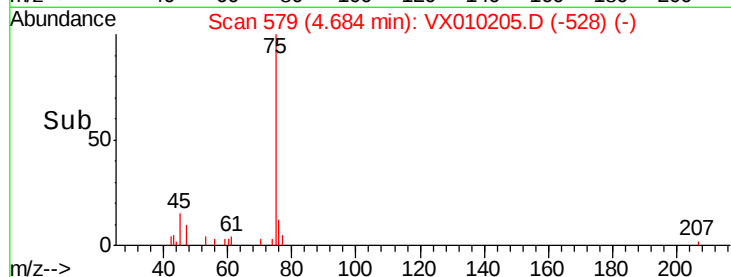


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.156 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX010205.D

Acq: 11 Jun 2019 03:03

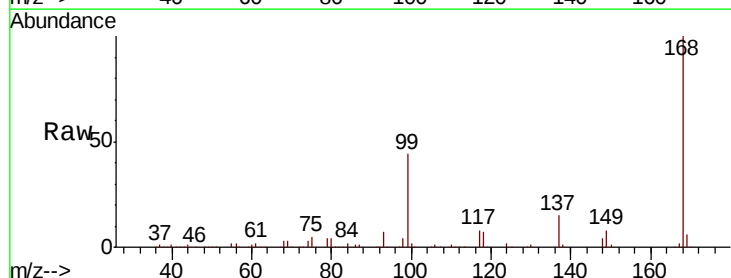
Tgt Ion: 56 Resp: 4083

Ion Ratio Lower Upper

56 100

69 156.8 21.6 32.4#

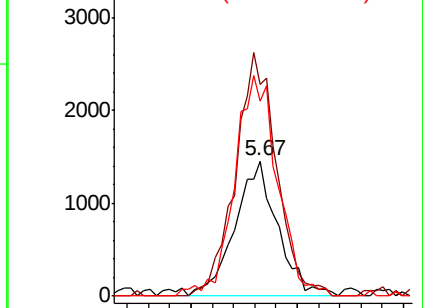
84 143.9 56.8 85.2#



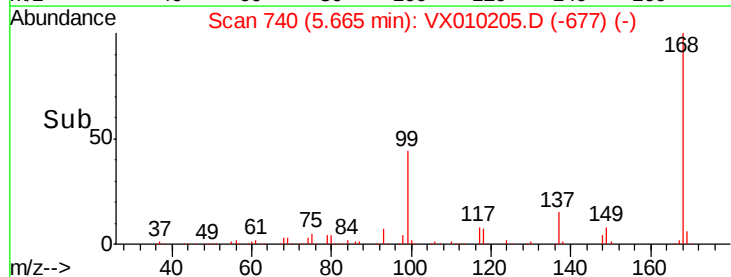
Abundance Ion 56.00 (55.70 to 56.70): VX0

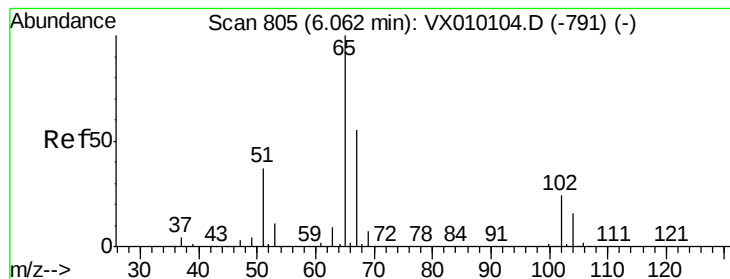
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->





#33

1,2-Dichloroethane-d4

Concen: 46.809 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010205.D

Acq: 11 Jun 2019 03:03

Instrument :

MSVOA_X

ClientSampleId :

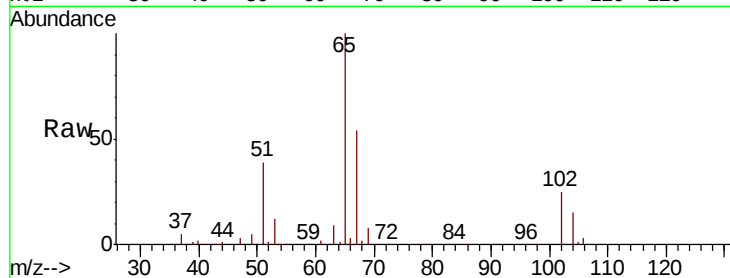
RE103D2-20190605DL

Tot Ion: 65 Resp: 113596

Ion Ratio Lower Upper

65 100

67 54.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

30000

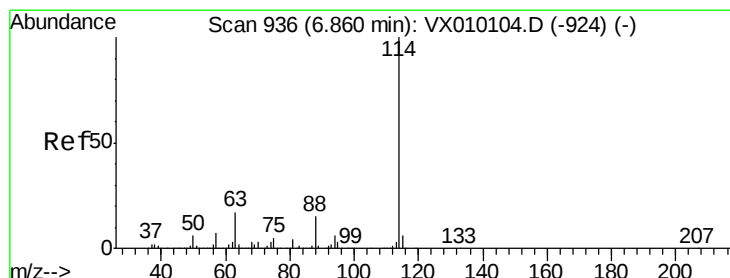
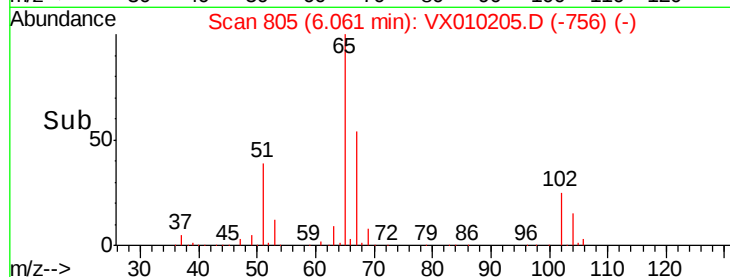
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010205.D

Acq: 11 Jun 2019 03:03

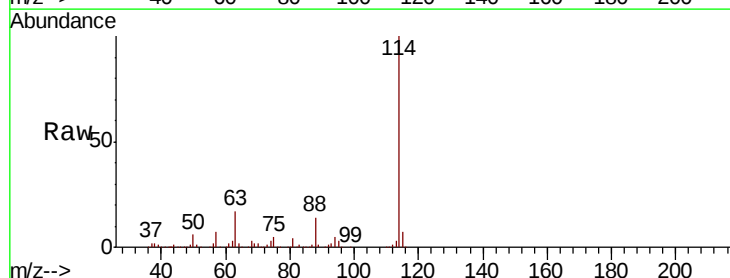
Tgt Ion: 114 Resp: 379739

Ion Ratio Lower Upper

114 100

63 17.1 0.0 47.4

88 14.4 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

6.86

200000

150000

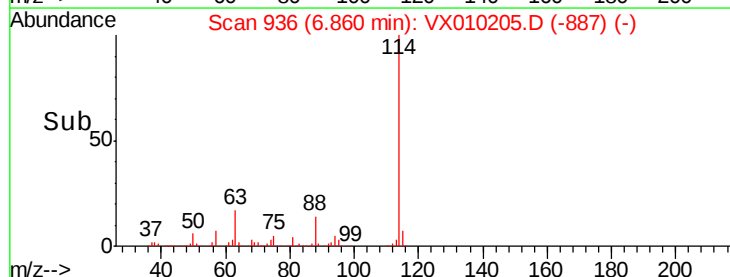
100000

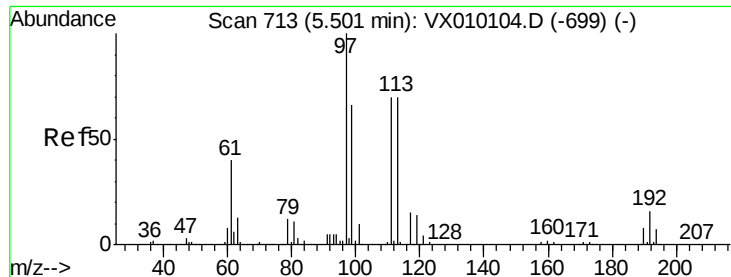
50000

0

6.70 6.80 6.90 7.00

Time-->

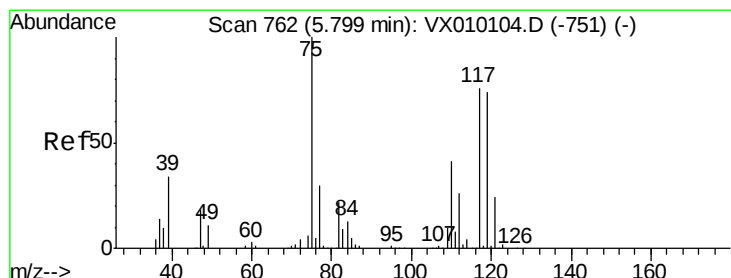
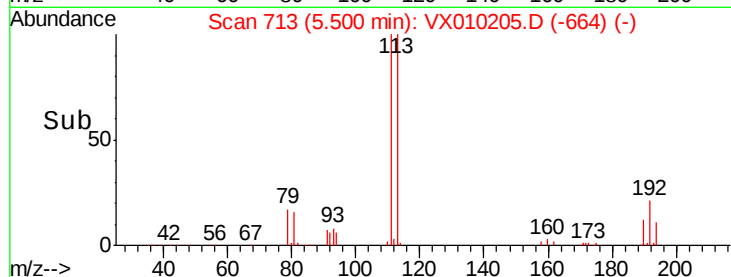
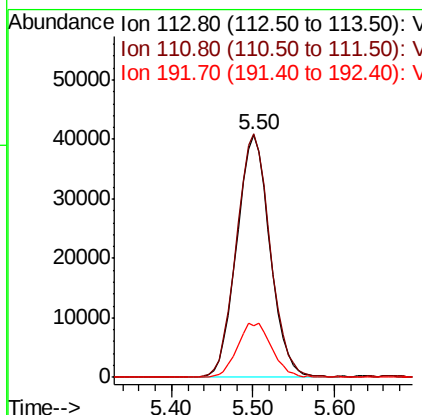
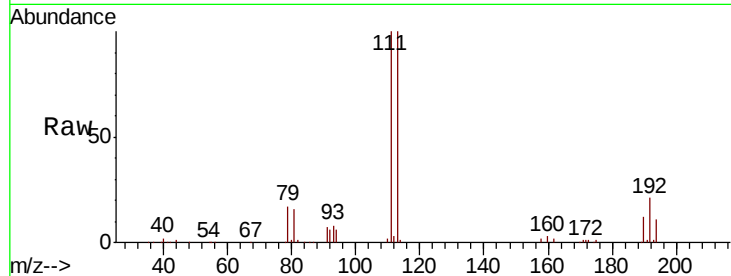




#35
 Dibromofluoromethane
 Concen: 49.190 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010205.D
 Acq: 11 Jun 2019 03:03

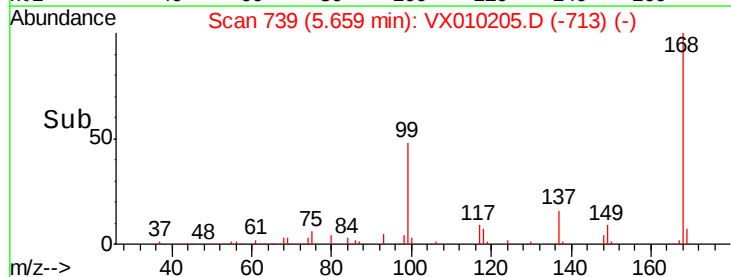
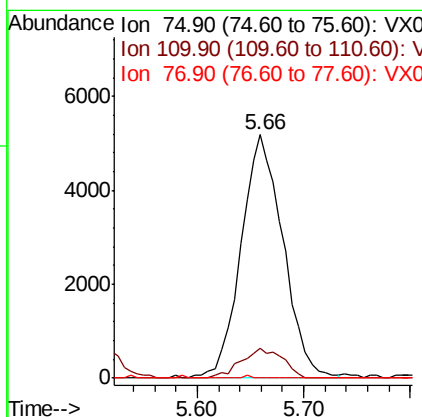
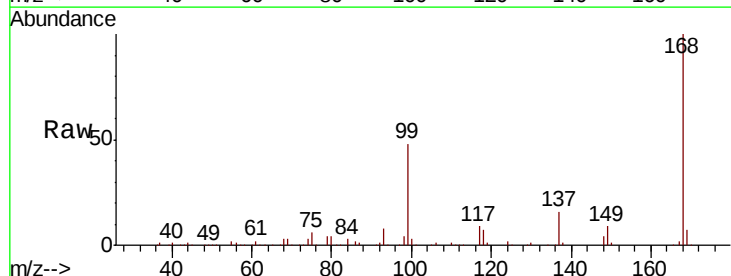
Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20190605DL

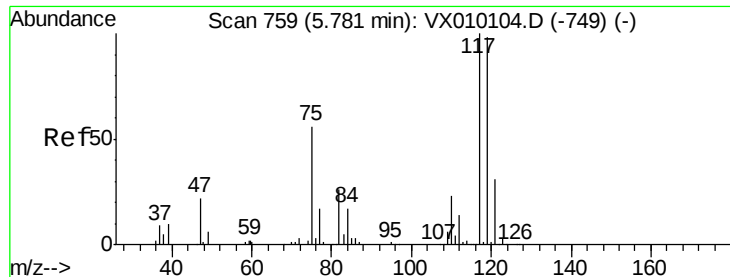
Tot Ion:113 Resp: 115219
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.2 123.2
 192 23.2 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.619 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010205.D
 Acq: 11 Jun 2019 03:03

Tgt Ion: 75 Resp: 14311
 Ion Ratio Lower Upper
 75 100
 110 12.1 16.7 50.1#
 77 0.2 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.048 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010205.D

Acq: 11 Jun 2019 03:03

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20190605DL

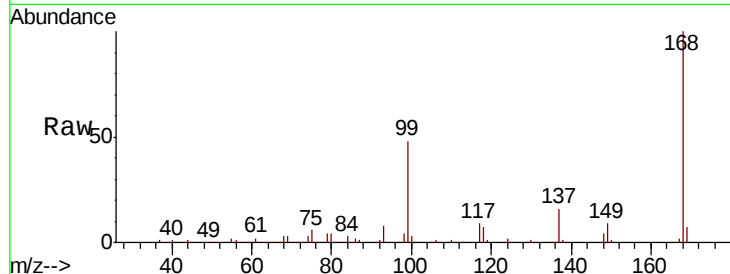
Tot Ion:117 Resp: 21208

Ion Ratio Lower Upper

117 100

119 6.0 77.3 115.9#

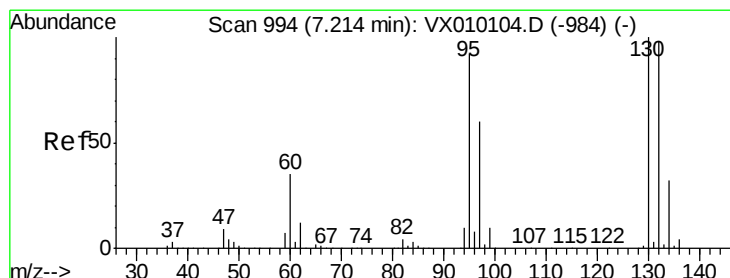
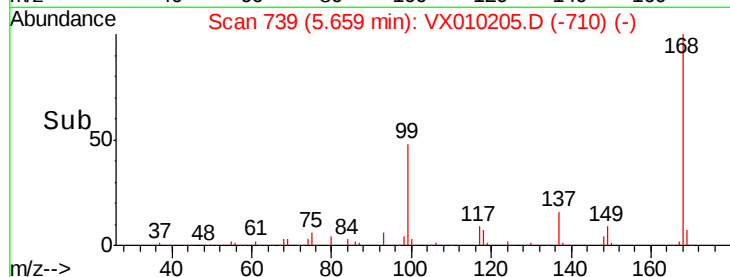
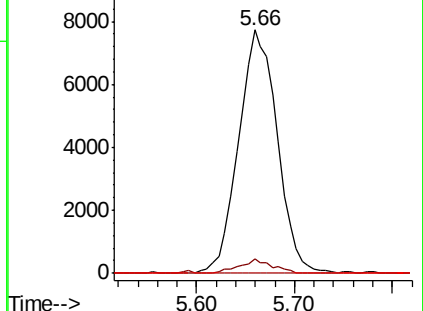
121 0.0 25.4 38.0#



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: 45.246 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010205.D

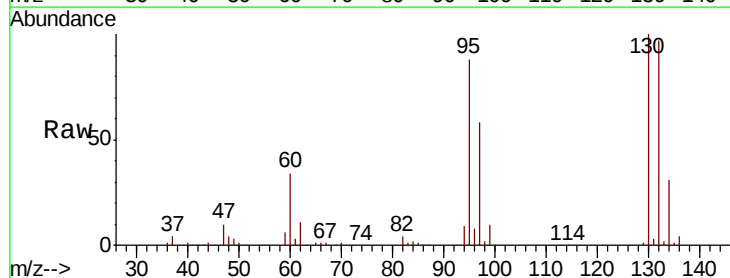
Acq: 11 Jun 2019 03:03

Tgt Ion:130 Resp: 130655

Ion Ratio Lower Upper

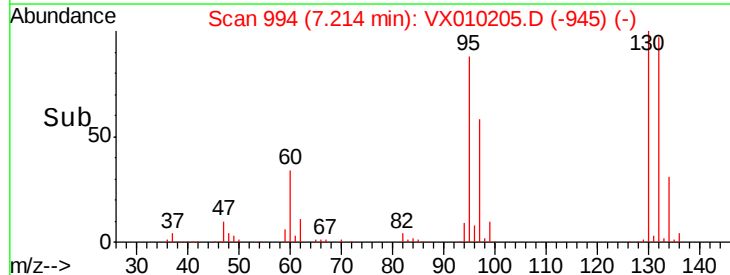
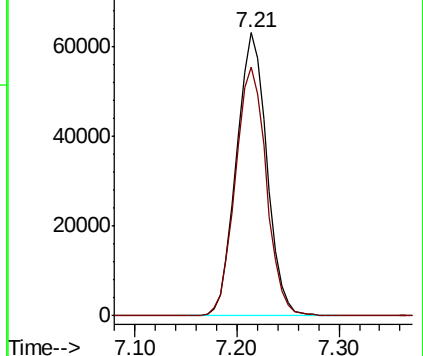
130 100

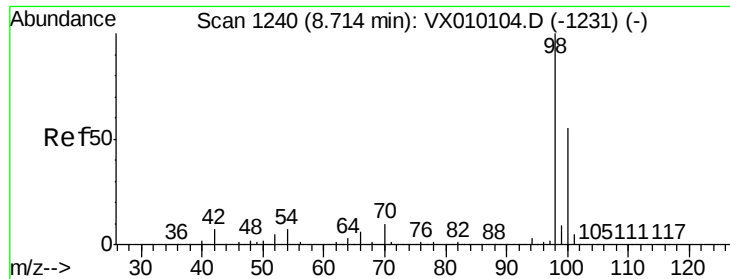
95 87.9 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.904 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010205.D

Acq: 11 Jun 2019 03:03

Instrument :

MSVOA_X

ClientSampleId :

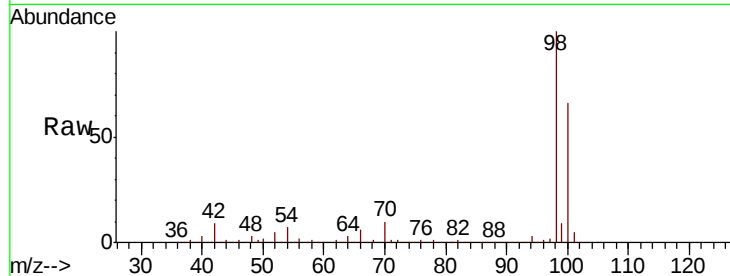
RE103D2-20190605DL

Tot Ion: 98 Resp: 438091

Ion Ratio Lower Upper

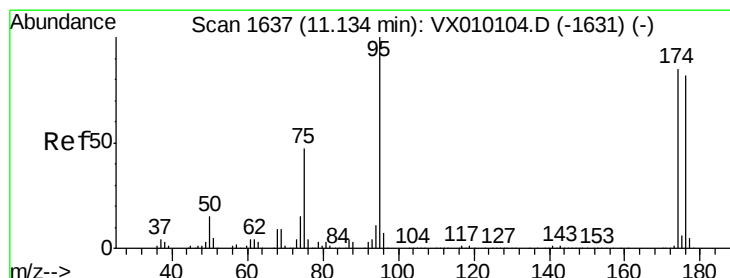
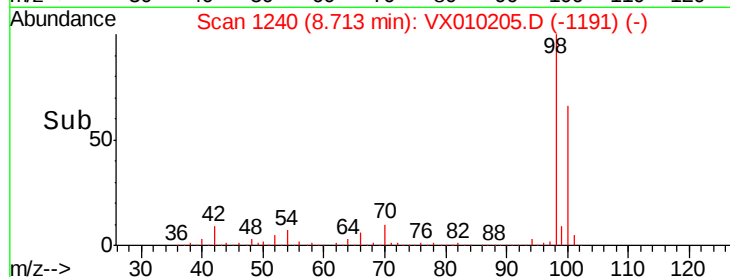
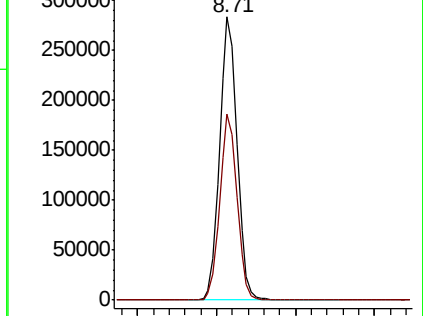
98 100

100 65.0 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: 46.214 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010205.D

Acq: 11 Jun 2019 03:03

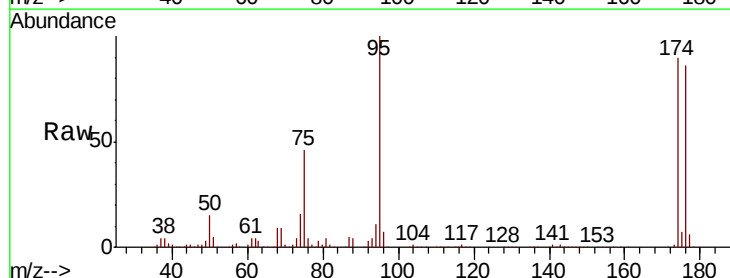
Tgt Ion: 95 Resp: 151512

Ion Ratio Lower Upper

95 100

174 94.7 0.0 160.4

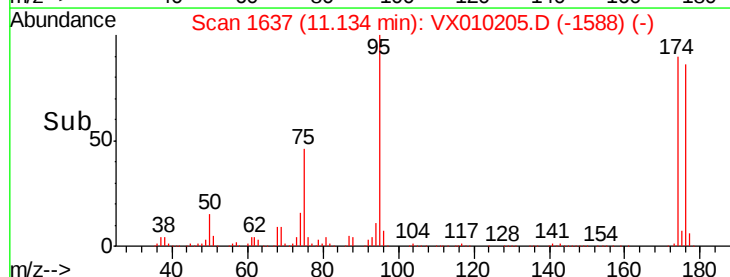
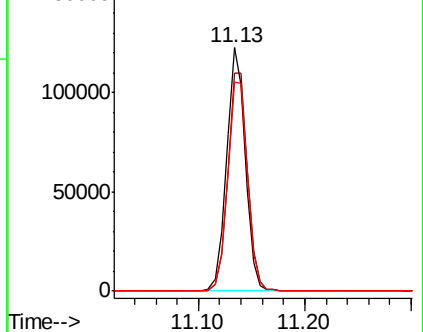
176 91.3 0.0 154.6

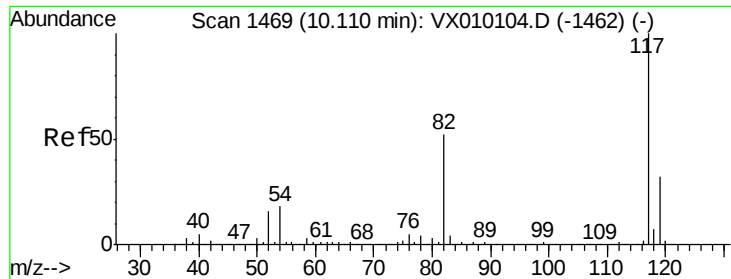


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

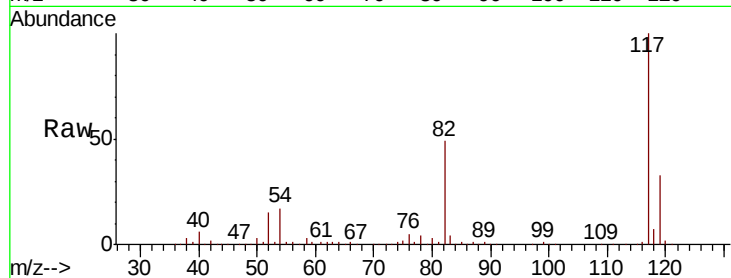




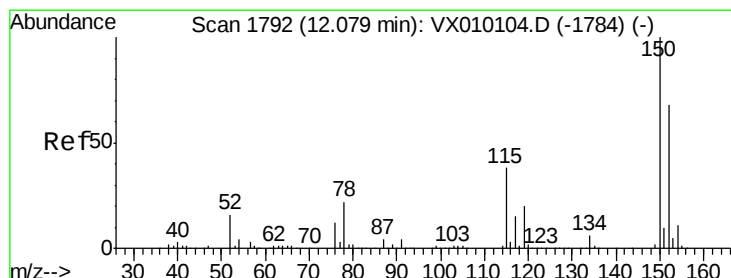
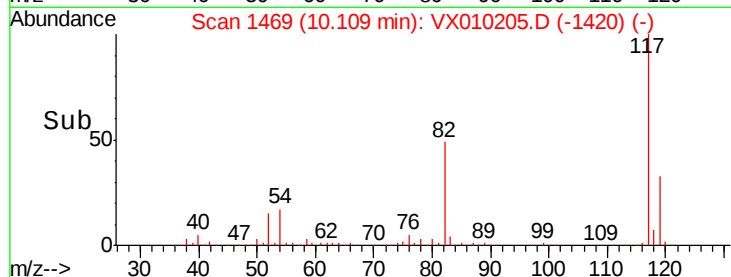
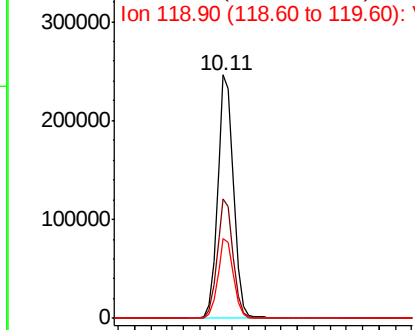
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010205.D
Acq: 11 Jun 2019 03:03

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20190605DL

Tot Ion:117 Resp: 337264
Ion Ratio Lower Upper
117 100
82 49.0 49.2 73.8#
119 32.5 25.2 37.8

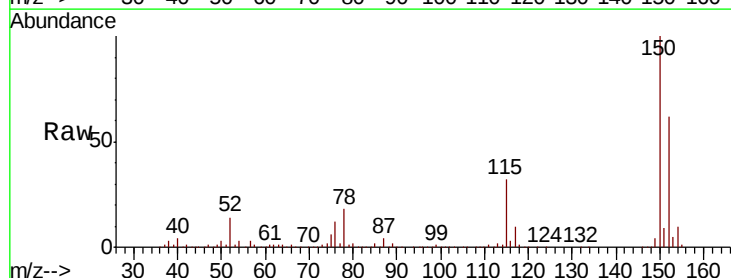


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

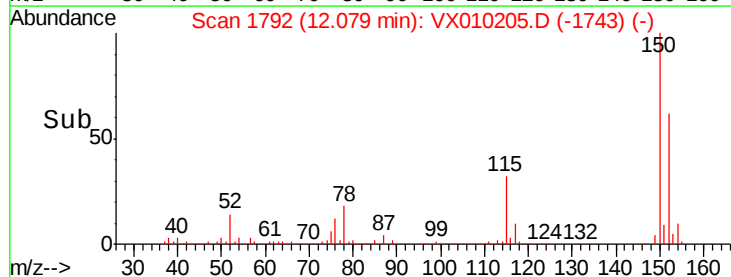
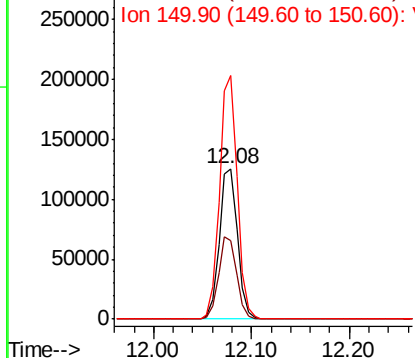


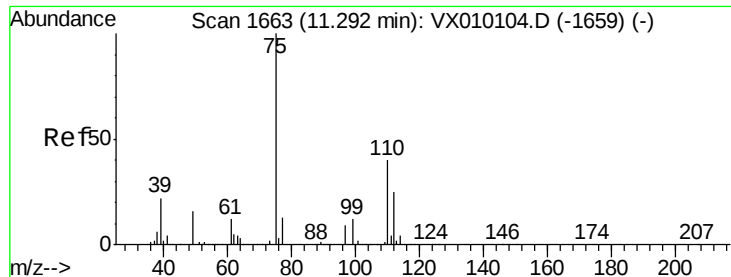
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010205.D
Acq: 11 Jun 2019 03:03

Tgt Ion:152 Resp: 160808
Ion Ratio Lower Upper
152 100
115 54.0 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: 21.281 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010205.D

Acq: 11 Jun 2019 03:03

Instrument :

MSVOA_X

ClientSampleId :

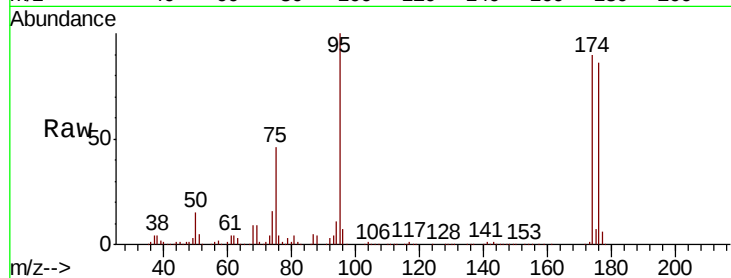
RE103D2-20190605DL

Tot Ion: 75 Resp: 68450

Ion Ratio Lower Upper

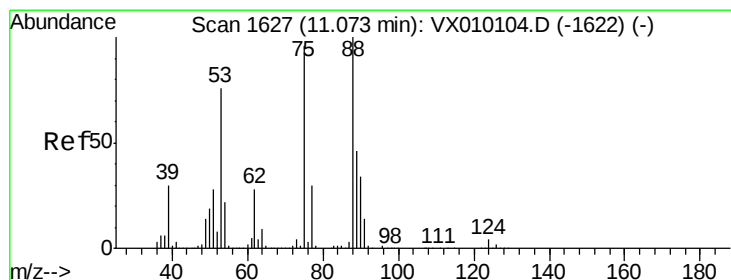
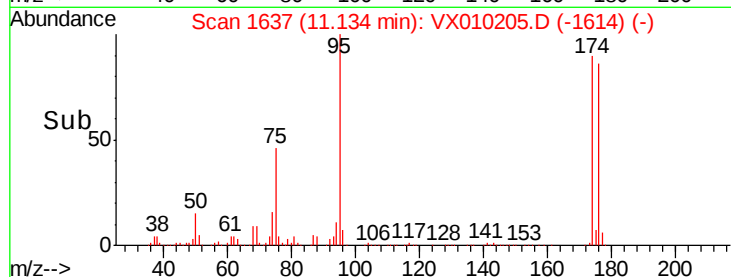
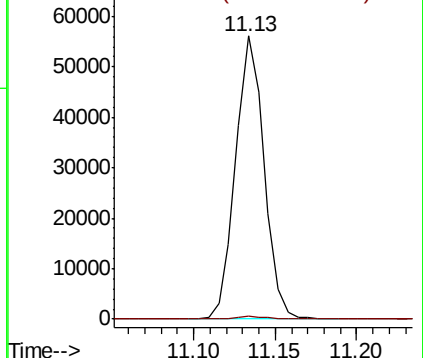
75 100

77 1.2 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: 47.019 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010205.D

Acq: 11 Jun 2019 03:03

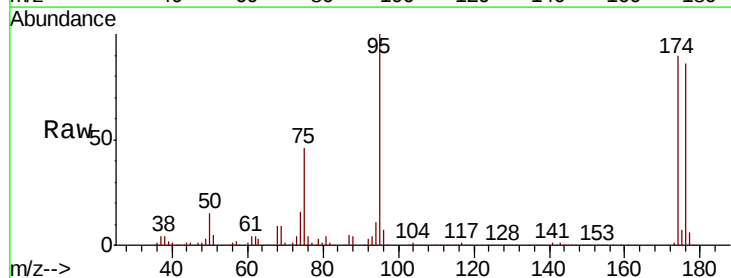
Tgt Ion: 75 Resp: 68450

Ion Ratio Lower Upper

75 100

53 0.2 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

