

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031419\
 Data File : VX008097.D
 Acq On : 15 Mar 2019 03:46
 Operator : JC/SP
 Sample : K1839-04DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D2-20190307DL

Quant Time: Mar 15 04:32:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	254352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	388321	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	368097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195438	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	129257	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
35) Dibromofluoromethane	5.50	113	124493	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
50) Toluene-d8	8.71	98	468297	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.13	95	175675	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	

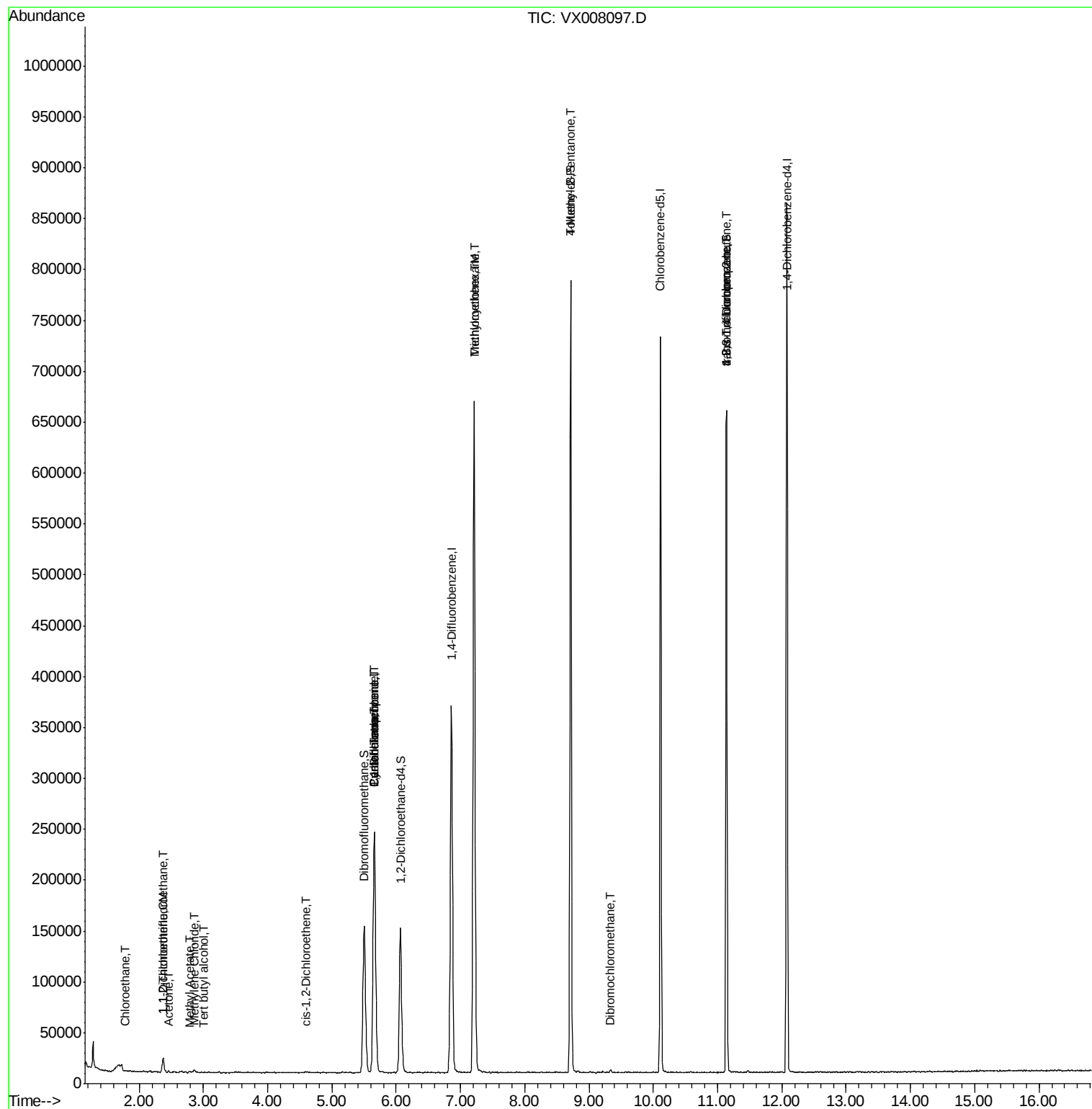
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	744	Below Cal	#	61
6) Chloroethane	1.78	64	2158	1.075	ug/l #	43
9) 1,1,2-Trichlorotrifluoroet	2.37	101	4297	2.094	ug/l	98
11) Tert butyl alcohol	3.01	59	248	0.500	ug/l #	73
12) 1,1-Dichloroethene	2.37	96	1304	0.672	ug/l	84
16) Acetone	2.46	43	840	0.693	ug/l #	85
18) Methyl Acetate	2.79	43	792	0.303	ug/l #	65
20) Methylene Chloride	2.85	84	906	0.419	ug/l #	77
27) cis-1,2-Dichloroethene	4.60	96	795	0.320	ug/l	97
31) Cyclohexane	5.65	56	3767	1.027	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14618	4.576	ug/l #	50
38) Carbon Tetrachloride	5.66	117	21808	7.092	ug/l #	17
39) Methylcyclohexane	7.21	83	2960	0.725	ug/l #	1
44) Trichloroethene	7.21	130	280883	99.447	ug/l	97
51) 4-Methyl-2-Pentanone	8.71	43	1940	0.532	ug/l #	1
60) Dibromochloromethane	9.33	129	552	0.211	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	78252	23.055	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	78252	65.605	ug/l #	11

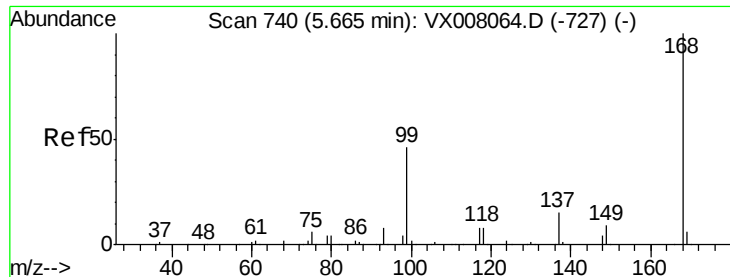
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031419\
Data File : VX008097.D
Acq On : 15 Mar 2019 03:46
Operator : JC/SP
Sample : K1839-04DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20190307DL

Quant Time: Mar 15 04:32:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 15 03:56:35 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: VX008097.D

Acq: 15 Mar 2019 03:46

Instrument :

MSVOA_X

ClientSampleId :

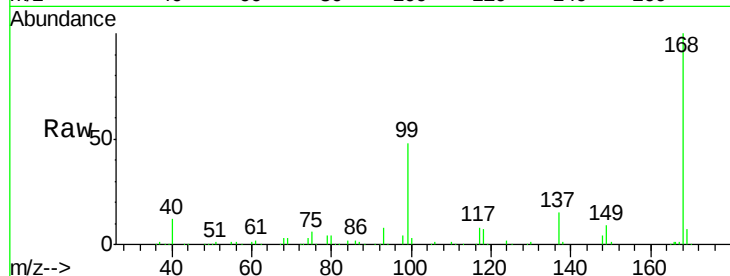
TT101D2-20190307DL

Tot Ion:168 Resp: 254352

Ion Ratio Lower Upper

168 100

99 47.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

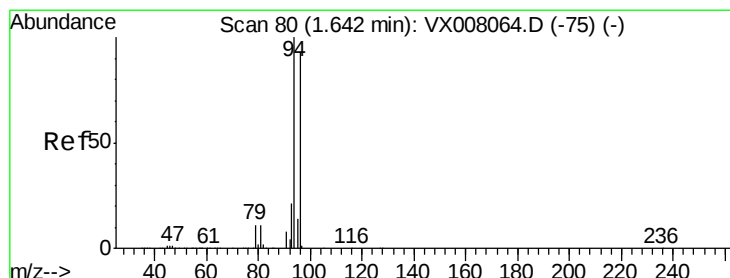
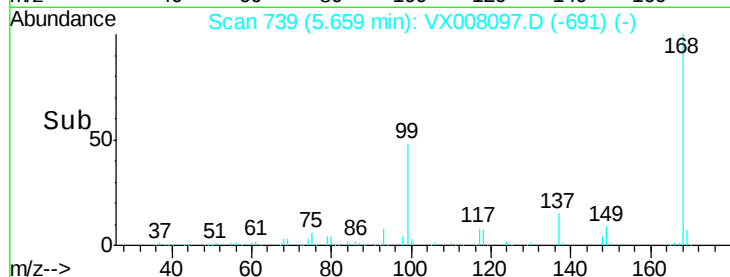
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX008097.D

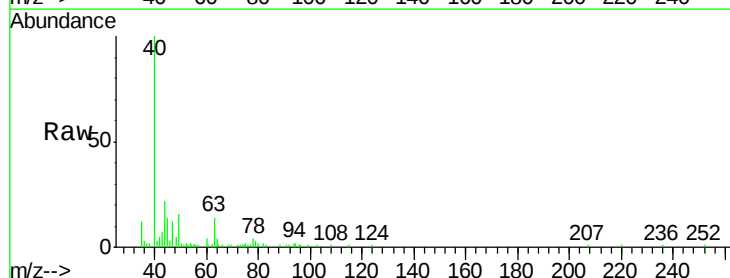
Acq: 15 Mar 2019 03:46

Tgt Ion: 94 Resp: 744

Ion Ratio Lower Upper

94 100

96 56.3 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

250

200

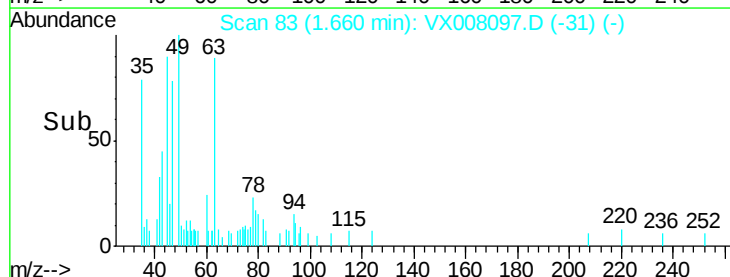
150

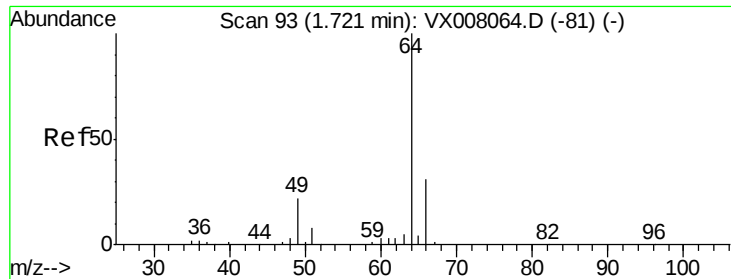
100

50

0

Time-->





#6

Chloroethane

Concen: 1.075 ug/l

RT: 1.78 min Scan# 102

Delta R.T. 0.06 min

Lab File: VX008097.D

Acq: 15 Mar 2019 03:46

Instrument :

MSVOA_X

ClientSampleId :

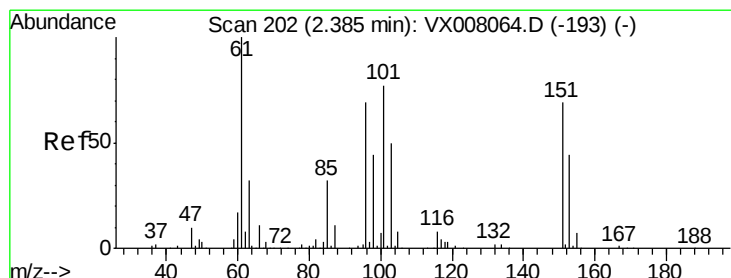
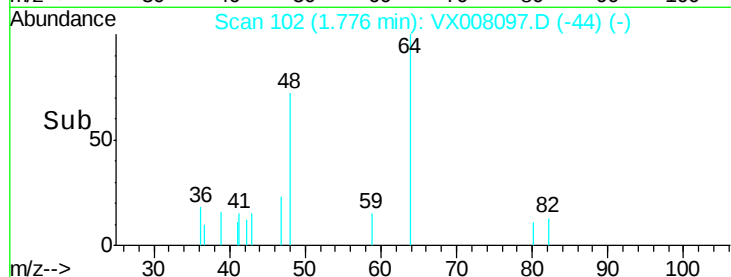
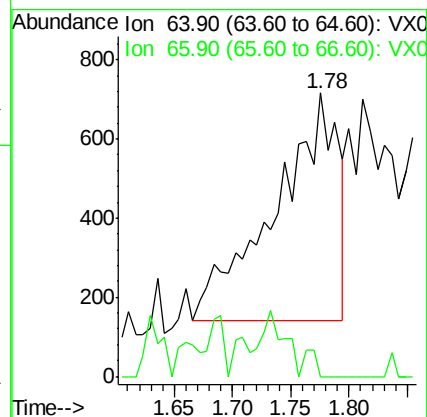
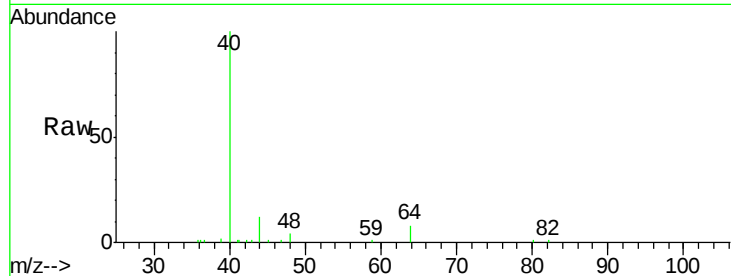
TT101D2-20190307DL

Tot Ion: 64 Resp: 2158

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.094 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008097.D

Acq: 15 Mar 2019 03:46

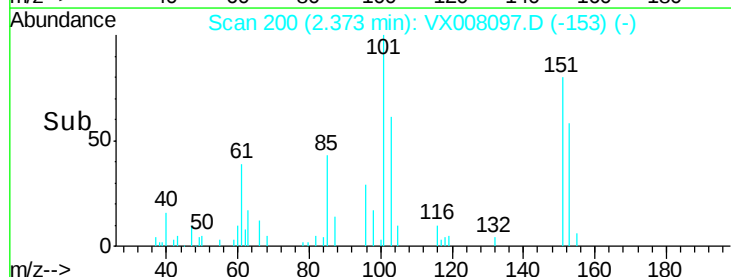
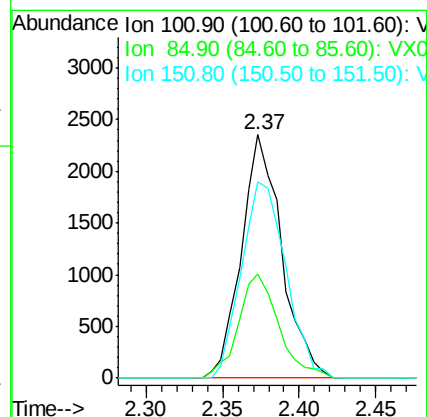
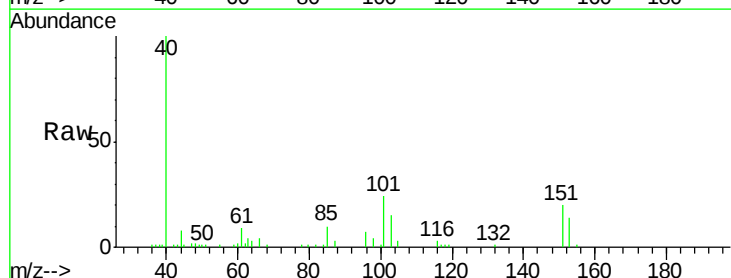
Tgt Ion: 101 Resp: 4297

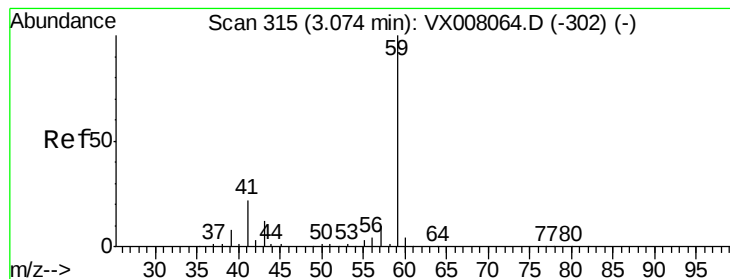
Ion Ratio Lower Upper

101 100

85 42.8 33.8 50.6

151 88.8 69.1 103.7



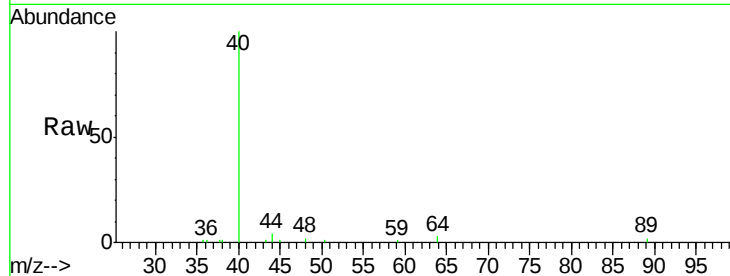


#11

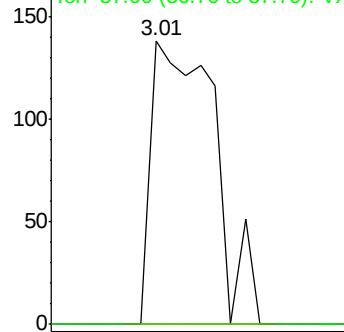
Tert butyl alcohol
Concen: 0.500 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.07 min
Lab File: VX008097.D
Acq: 15 Mar 2019 03:46

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20190307DL

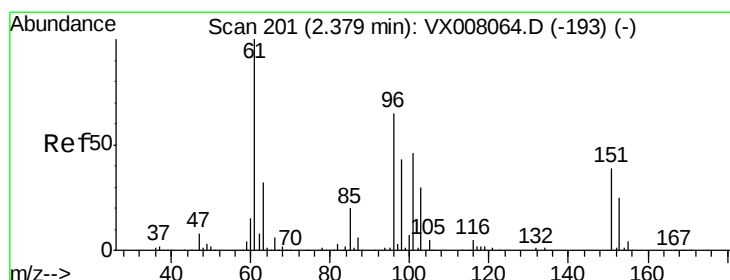
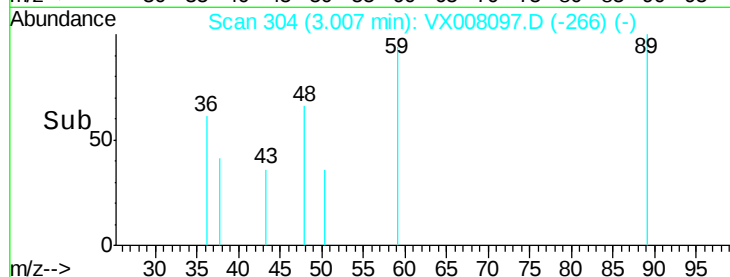
Tot Ion: 59 Resp: 248
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



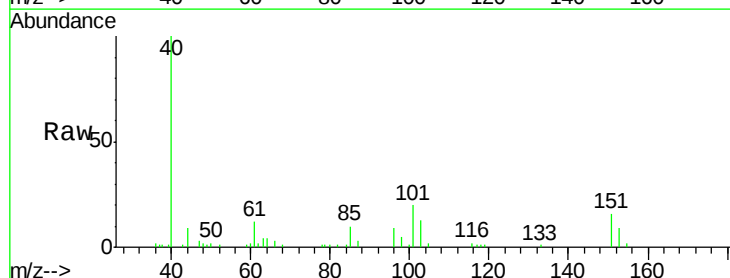
Time-->



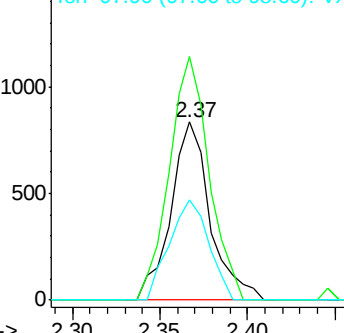
#12

1,1-Dichloroethene
Concen: 0.672 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX008097.D
Acq: 15 Mar 2019 03:46

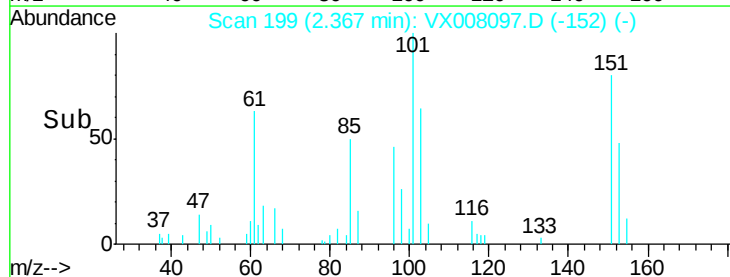
Tgt Ion: 96 Resp: 1304
Ion Ratio Lower Upper
96 100
61 136.9 129.8 194.6
98 56.4 51.0 76.6

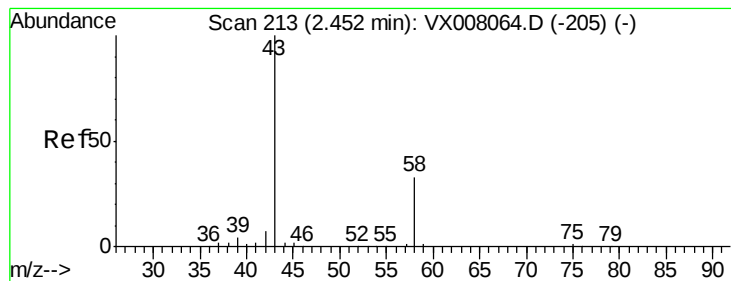


Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



Time-->





#16

Acetone

Concen: 0.693 ug/l

RT: 2.46 min Scan# 214

Delta R.T. 0.01 min

Lab File: VX008097.D

Acq: 15 Mar 2019 03:46

Instrument :

MSVOA_X

ClientSampleId :

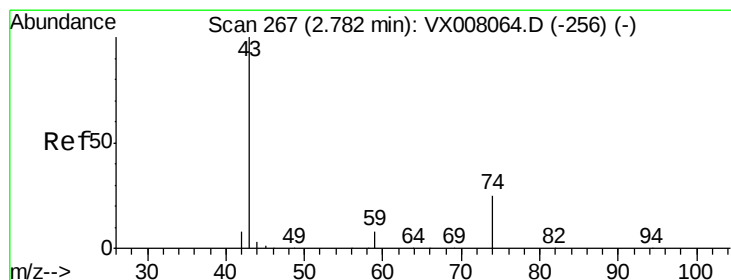
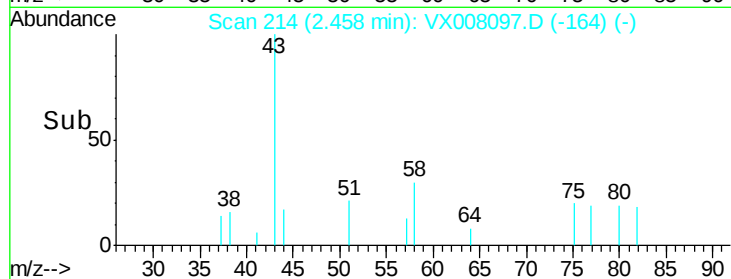
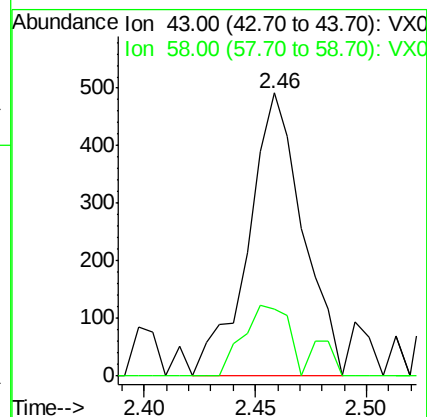
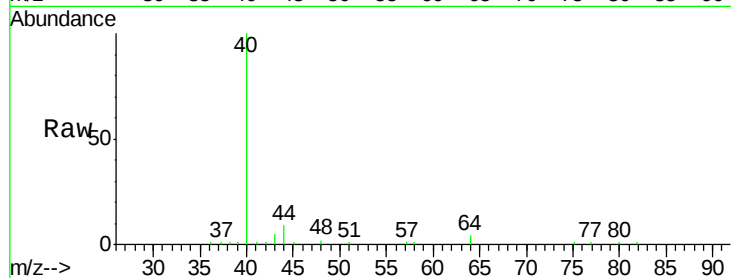
TT101D2-20190307DL

Tot Ion: 43 Resp: 840

Ion Ratio Lower Upper

43 100

58 23.8 25.5 38.3#



#18

Methyl Acetate

Concen: 0.303 ug/l

RT: 2.79 min Scan# 268

Delta R.T. 0.01 min

Lab File: VX008097.D

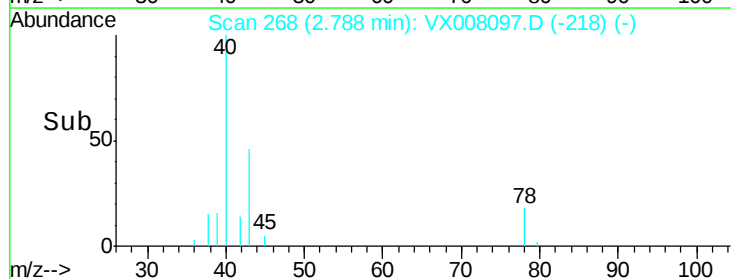
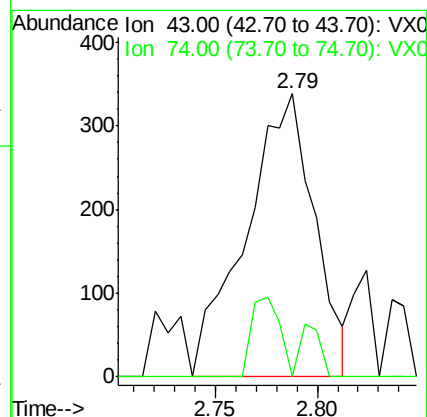
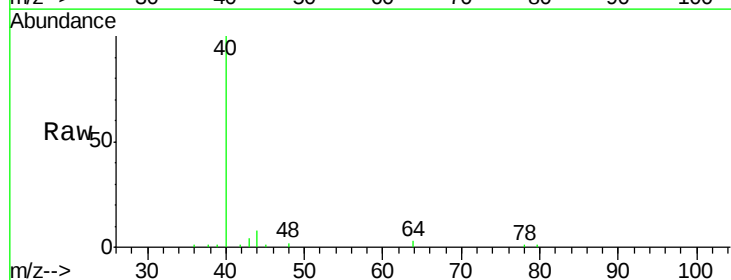
Acq: 15 Mar 2019 03:46

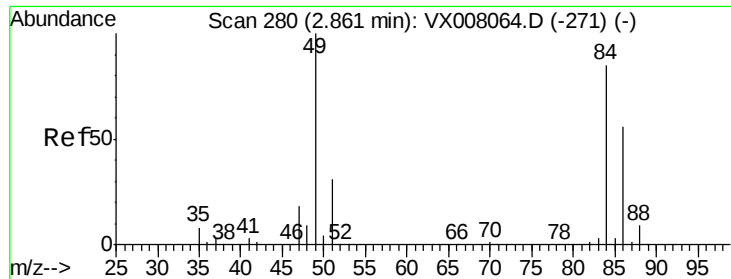
Tgt Ion: 43 Resp: 792

Ion Ratio Lower Upper

43 100

74 5.6 17.8 26.6#





#20

Methylene Chloride

Concen: 0.419 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX008097.D

Acq: 15 Mar 2019 03:46

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20190307DL

Tot Ion: 84 Resp: 906

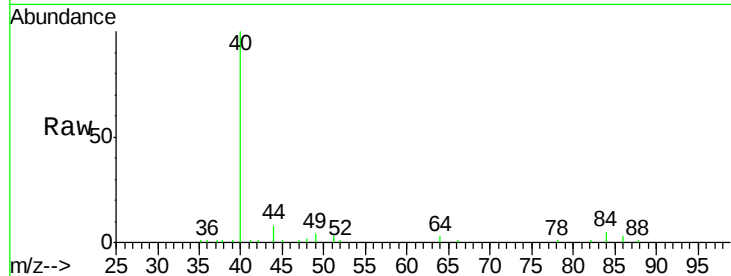
Ion Ratio Lower Upper

84 100

49 86.1 99.3 148.9#

51 52.6 31.3 46.9#

86 62.2 52.6 79.0

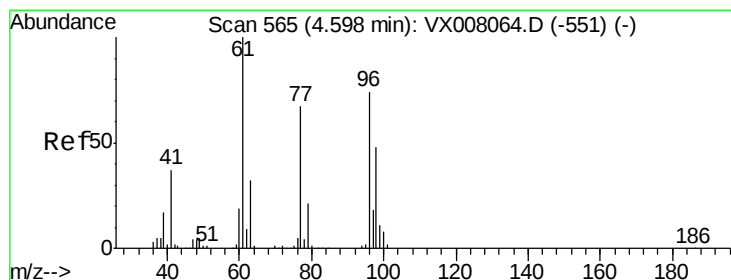
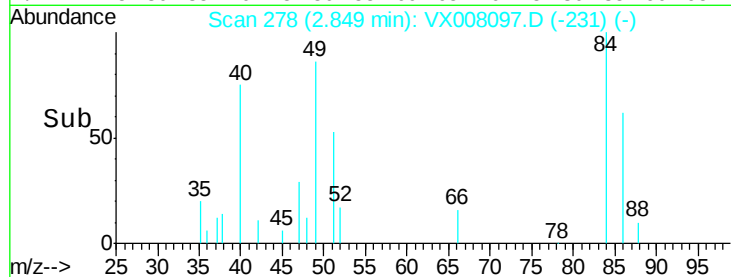
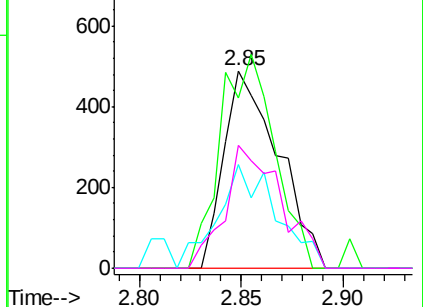


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.320 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008097.D

Acq: 15 Mar 2019 03:46

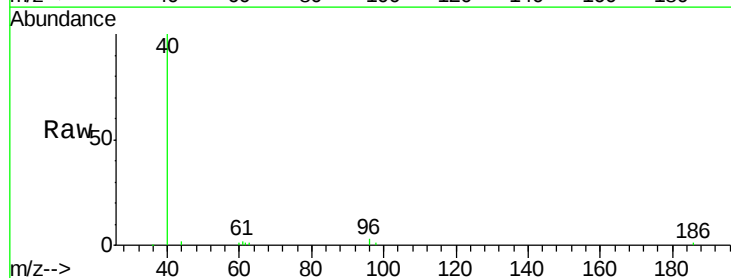
Tgt Ion: 96 Resp: 795

Ion Ratio Lower Upper

96 100

61 143.8 0.0 288.0

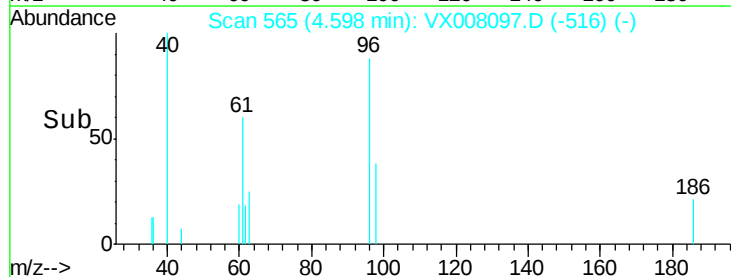
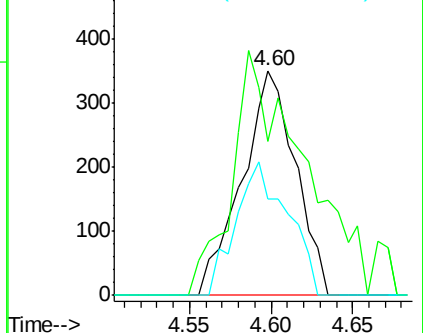
98 57.1 0.0 129.0

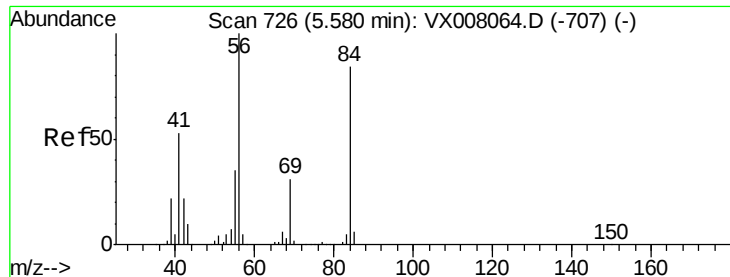


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

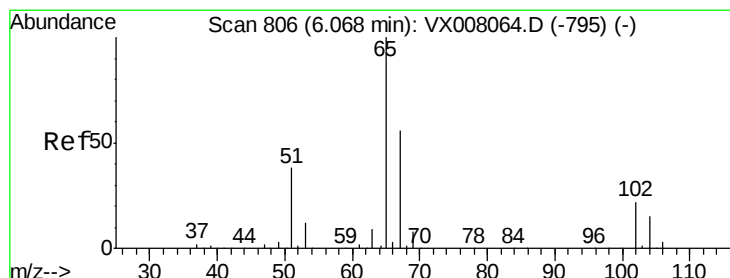
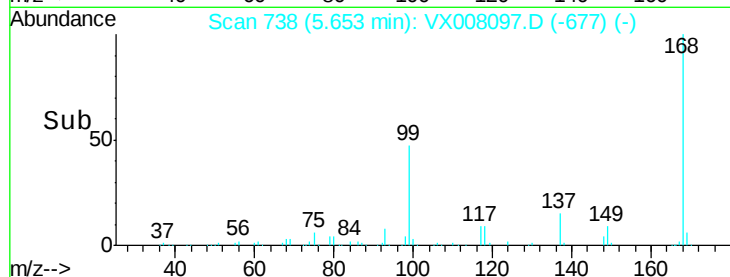
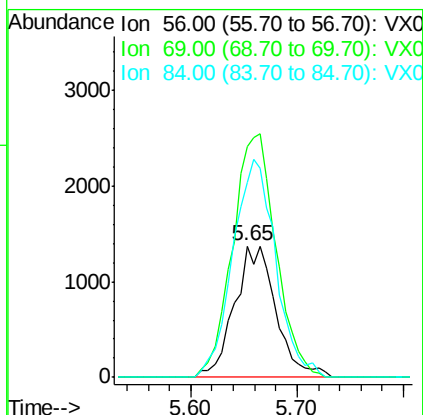
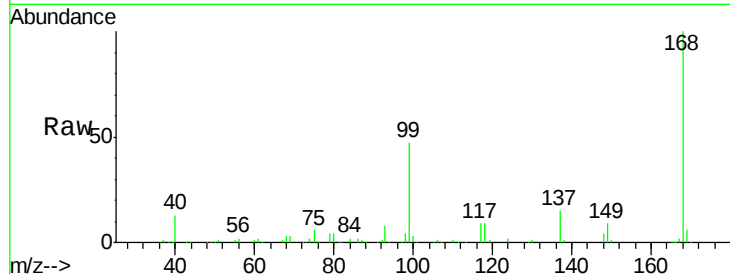




#31
Cyclohexane
Concen: 1.027 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX008097.D
Acq: 15 Mar 2019 03:46

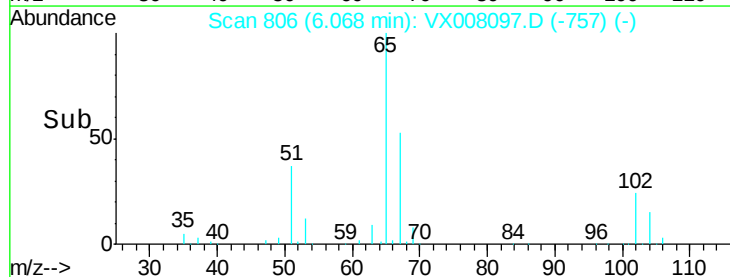
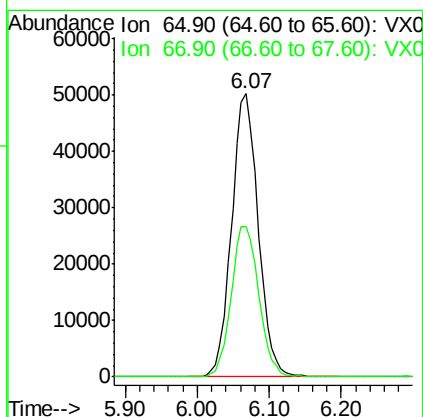
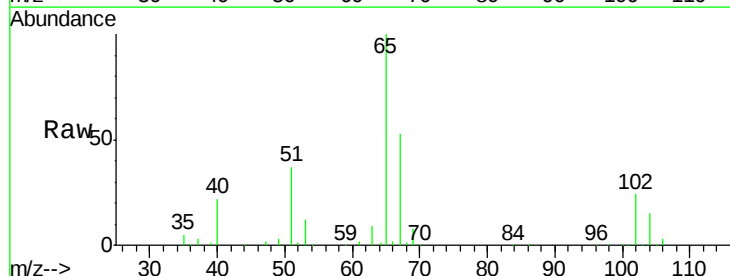
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20190307DL

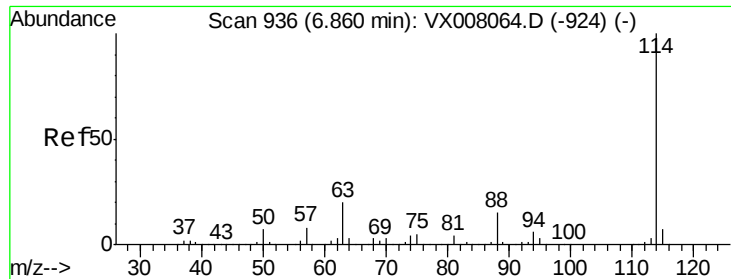
Tot Ion: 56 Resp: 3767
Ion Ratio Lower Upper
56 100
69 175.1 24.0 36.0#
84 148.2 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 50.378 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX008097.D
Acq: 15 Mar 2019 03:46

Tgt Ion: 65 Resp: 129257
Ion Ratio Lower Upper
65 100
67 55.2 0.0 110.0

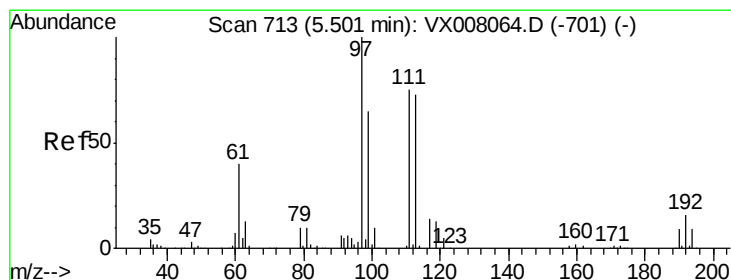
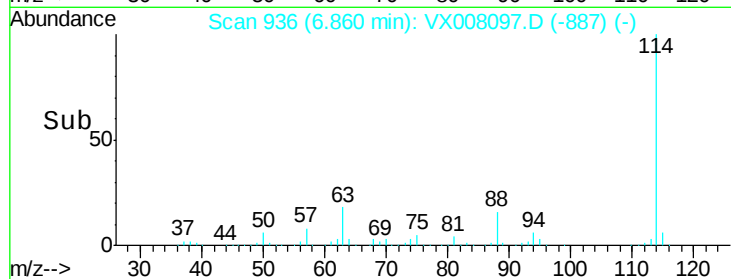
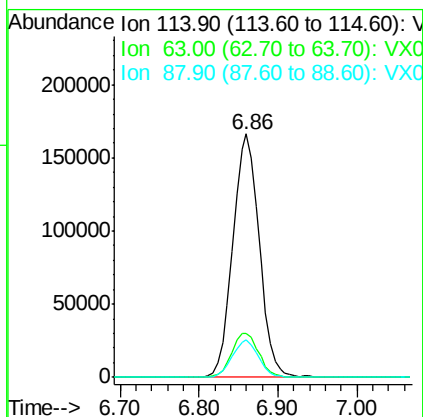
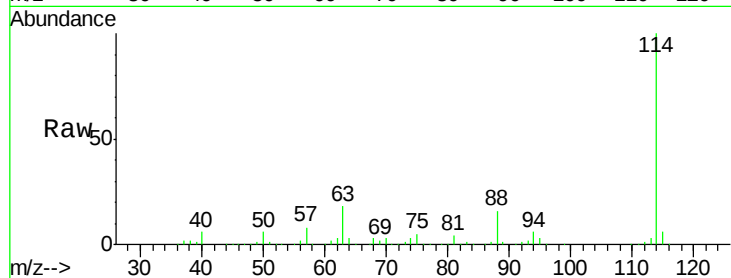




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008097.D
 Acq: 15 Mar 2019 03:46

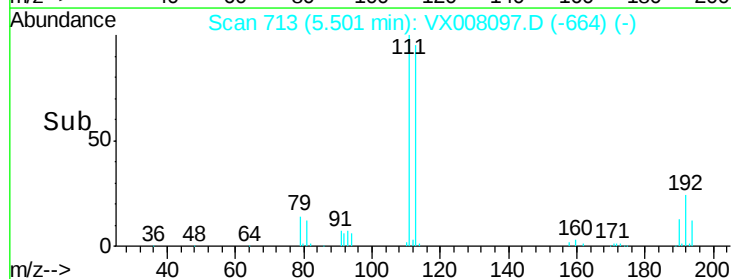
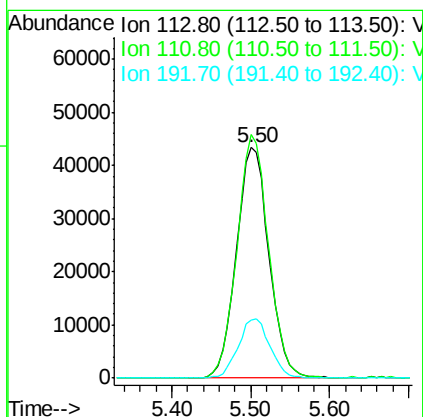
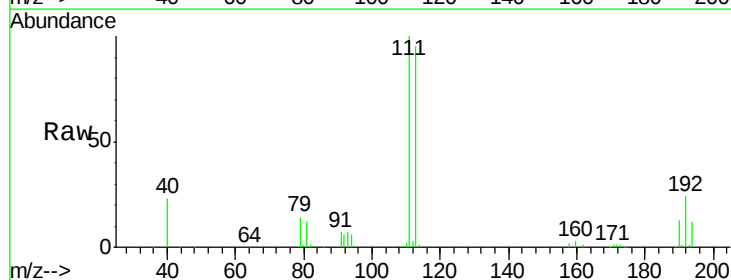
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D2-20190307DL

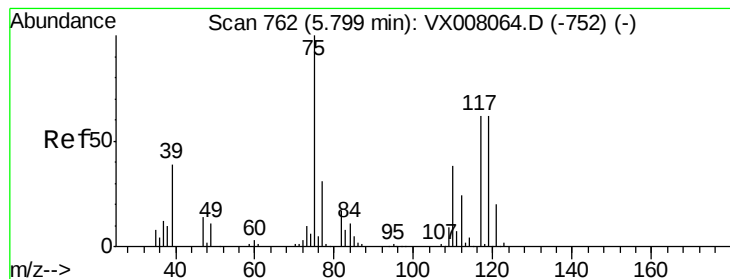
Tot Ion:114 Resp: 388321
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 39.8
 88 15.6 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 50.555 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008097.D
 Acq: 15 Mar 2019 03:46

Tgt Ion:113 Resp: 124493
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.4 122.0
 192 25.1 19.4 29.0





#36

1,1-Dichloropropene

Concen: 4.576 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008097.D

Acq: 15 Mar 2019 03:46

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20190307DL

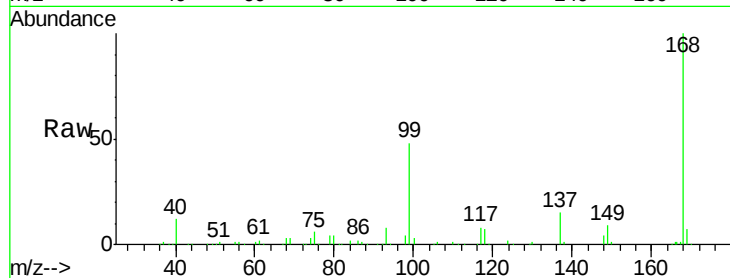
Tot Ion: 75 Resp: 14618

Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.0#

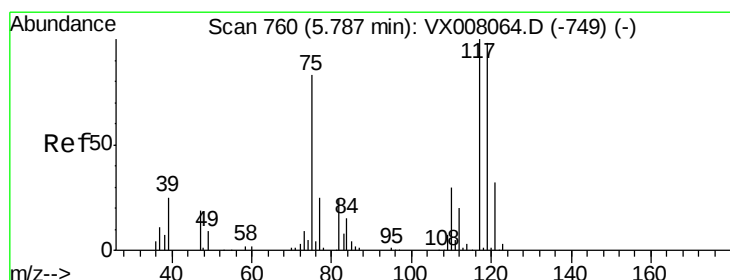
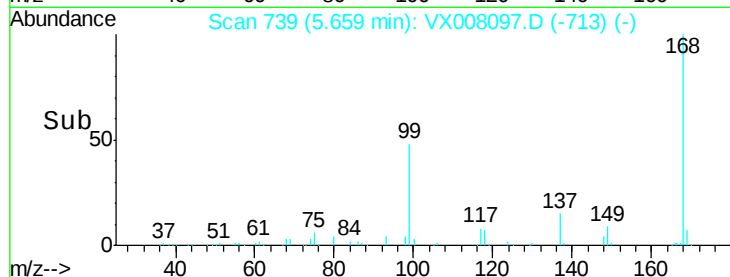
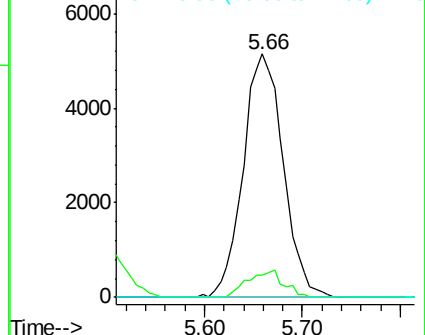
77 0.0 25.0 37.4#



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: 7.092 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008097.D

Acq: 15 Mar 2019 03:46

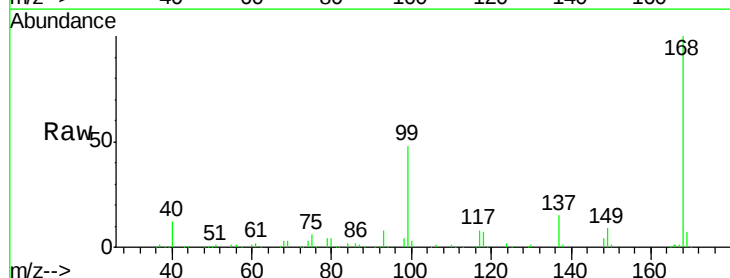
Tgt Ion:117 Resp: 21808

Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.2#

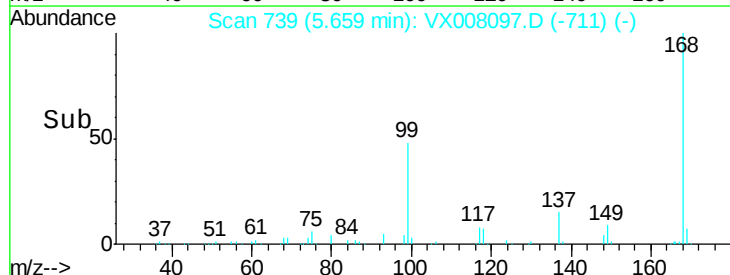
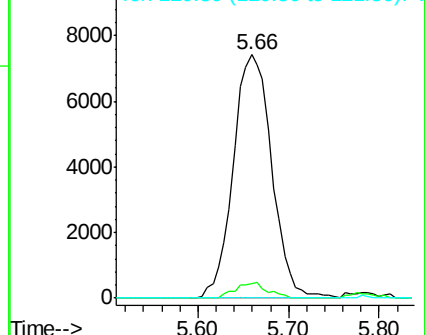
121 0.0 24.6 36.8#

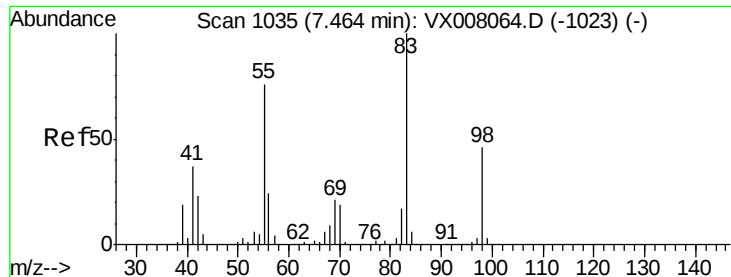


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

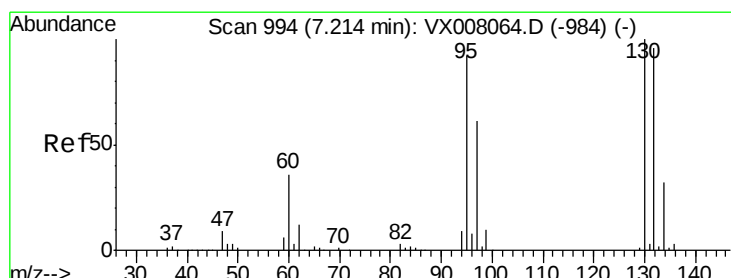
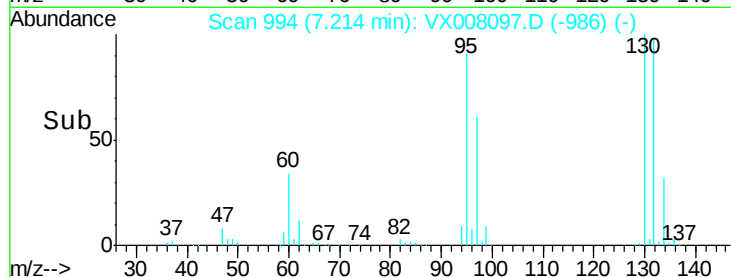
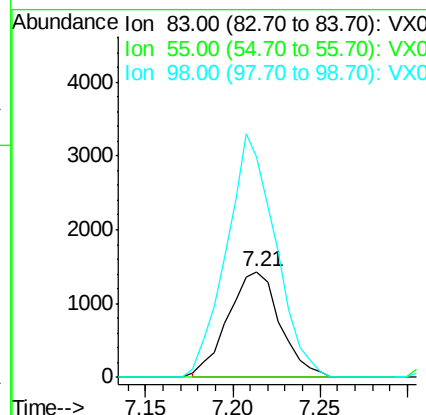
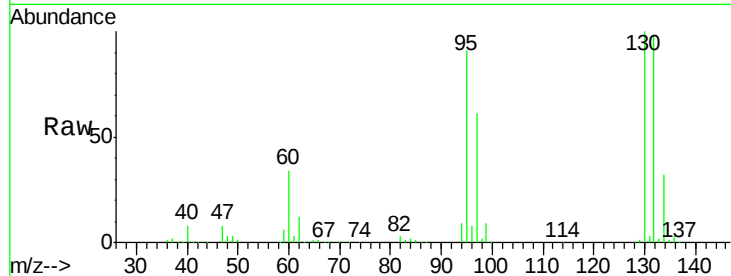




#39
Methvlcvclohexane
Concen: 0.725 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.25 min
Lab File: VX008097.D
Acq: 15 Mar 2019 03:46

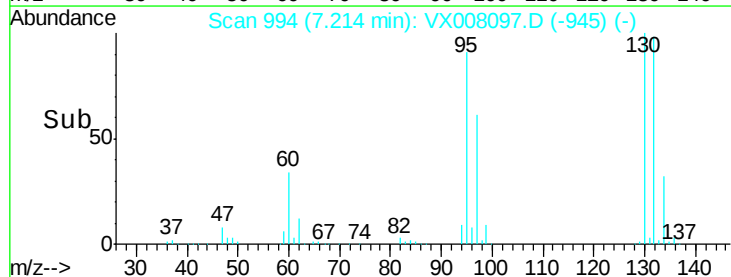
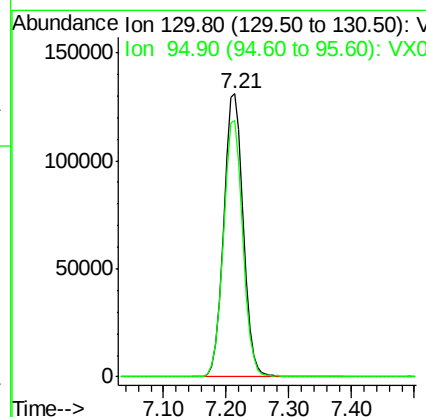
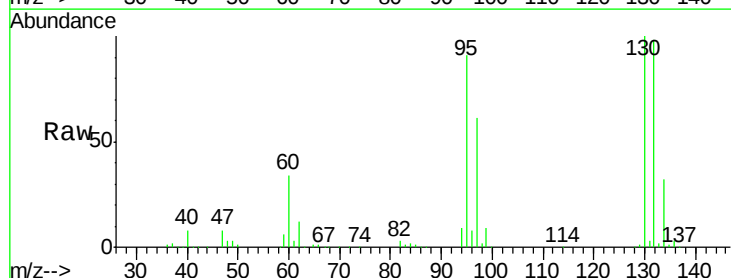
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20190307DL

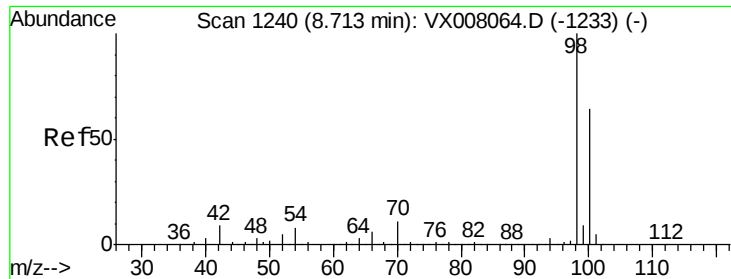
Tot Ion: 83 Resp: 2960
Ion Ratio Lower Upper
83 100
55 0.0 60.4 90.6#
98 208.2 36.5 54.7#



#44
Trichloroethene
Concen: 99.447 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX008097.D
Acq: 15 Mar 2019 03:46

Tgt Ion:130 Resp: 280883
Ion Ratio Lower Upper
130 100
95 90.8 0.0 188.0

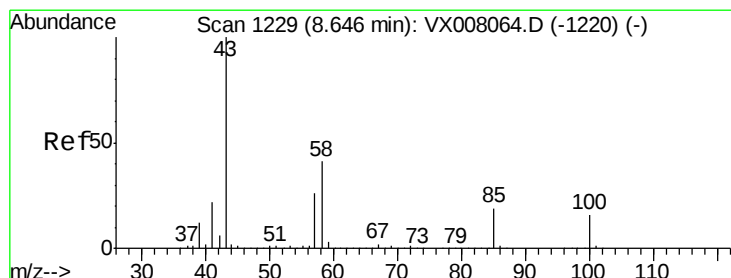
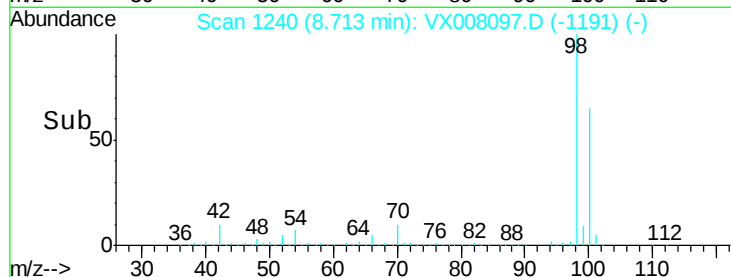
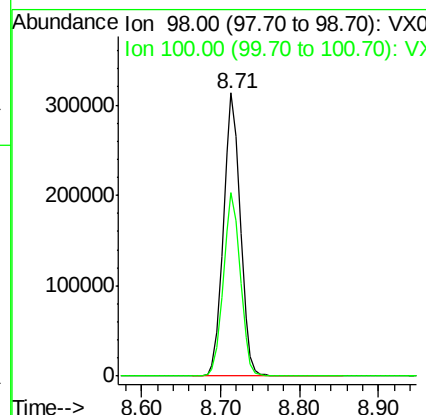
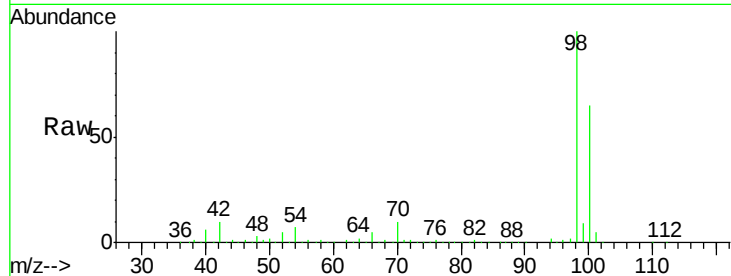




#50
Toluene-d8
Concen: 50.001 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008097.D
Acq: 15 Mar 2019 03:46

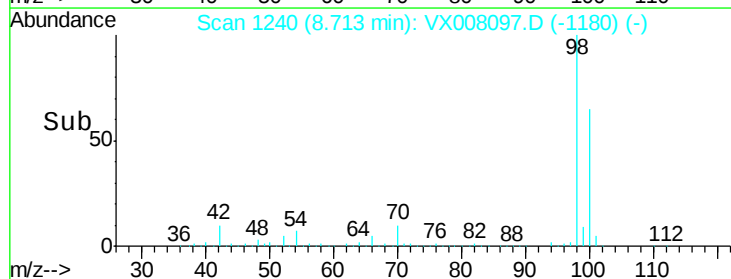
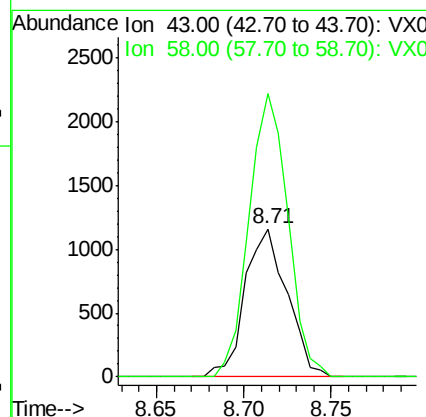
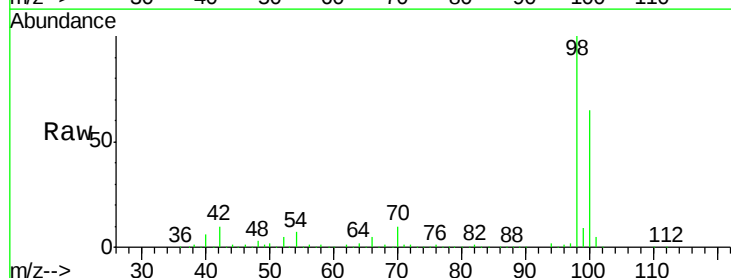
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20190307DL

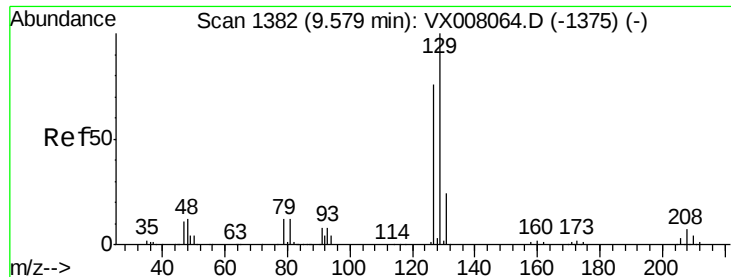
Tot Ion: 98 Resp: 468297
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.532 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.07 min
Lab File: VX008097.D
Acq: 15 Mar 2019 03:46

Tgt Ion: 43 Resp: 1940
Ion Ratio Lower Upper
43 100
58 176.5 31.3 46.9#





#60

Dibromochloromethane

Concen: 0.211 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.25 min

Lab File: VX008097.D

Acq: 15 Mar 2019 03:46

Instrument :

MSVOA_X

ClientSampleId :

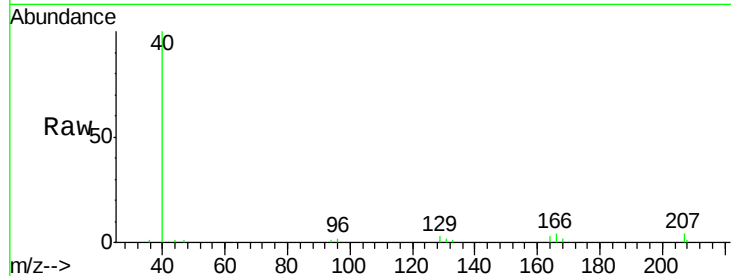
TT101D2-20190307DL

Tot Ion:129 Resp: 552

Ion Ratio Lower Upper

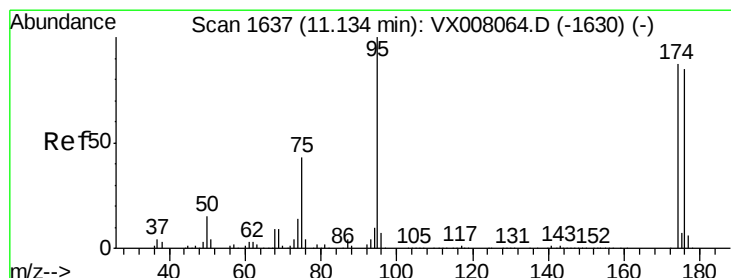
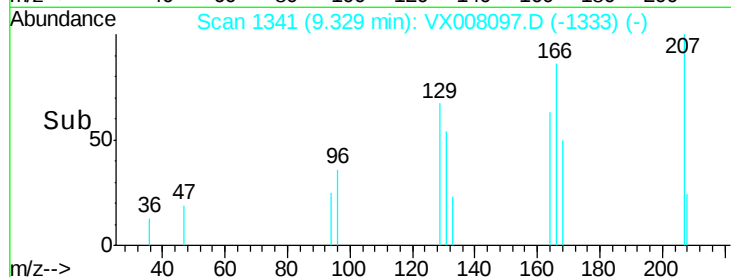
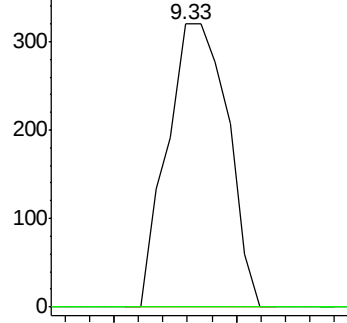
129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 52.360 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008097.D

Acq: 15 Mar 2019 03:46

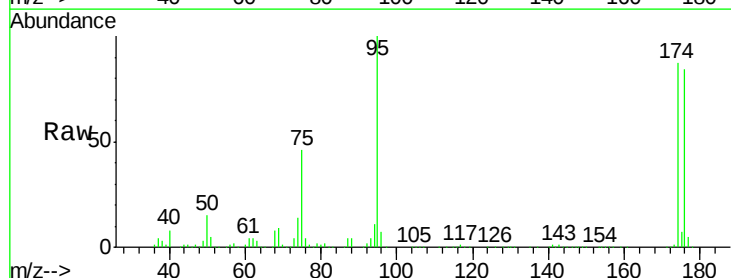
Tgt Ion: 95 Resp: 175675

Ion Ratio Lower Upper

95 100

174 95.0 0.0 182.8

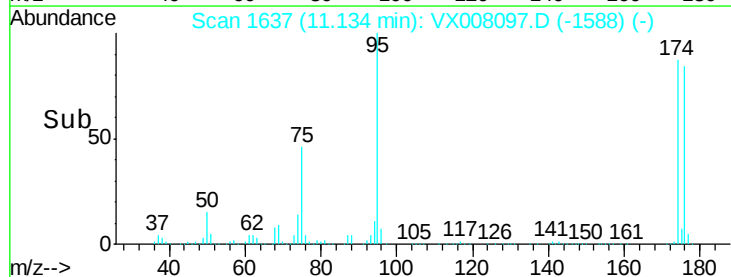
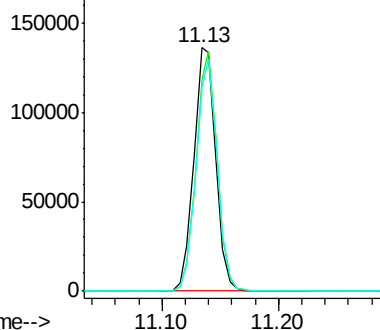
176 92.8 0.0 178.0

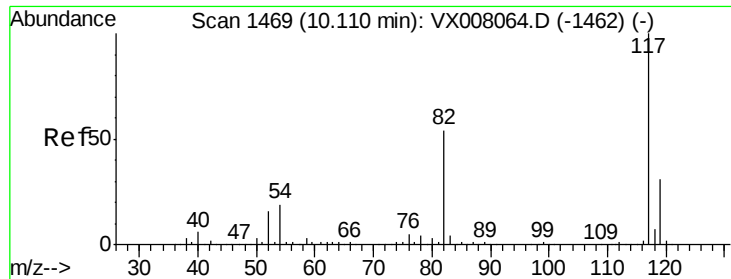


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

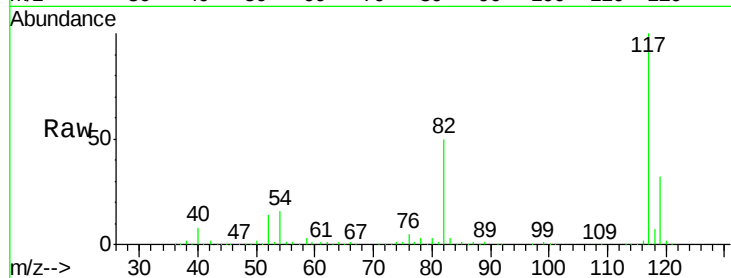




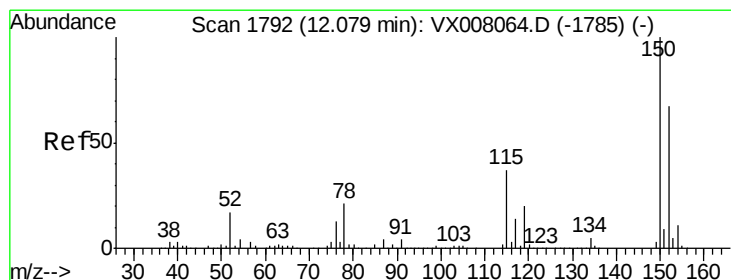
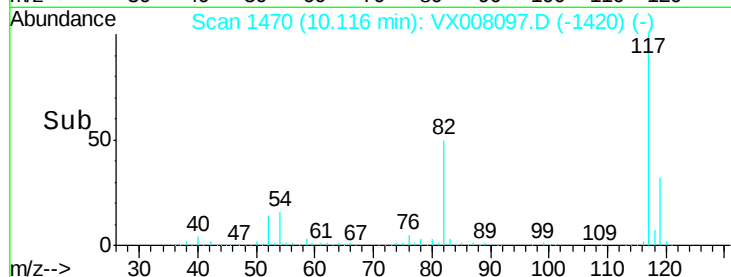
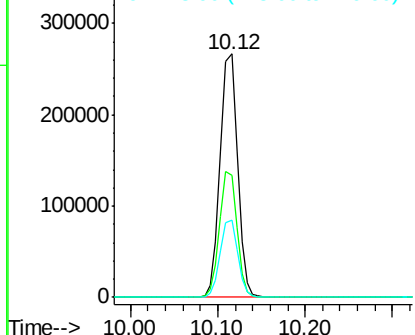
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008097.D
Acq: 15 Mar 2019 03:46

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20190307DL

Tot Ion:117 Resp: 368097
Ion Ratio Lower Upper
117 100
82 50.0 44.3 66.5
119 31.9 25.3 37.9

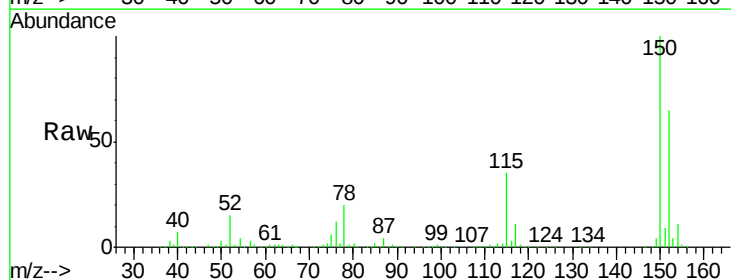


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

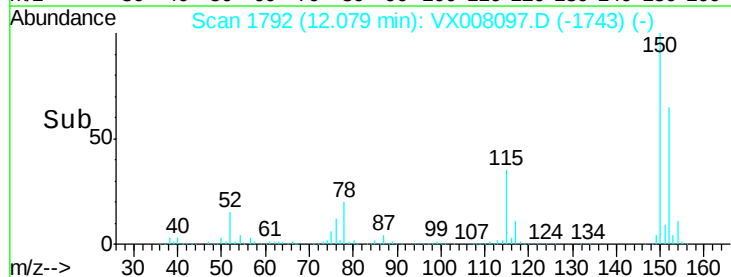
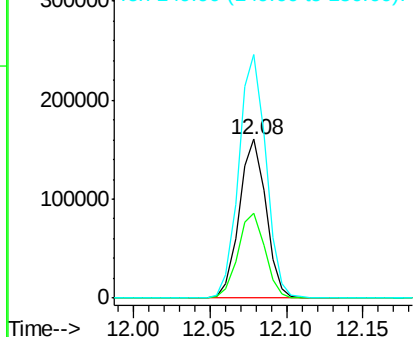


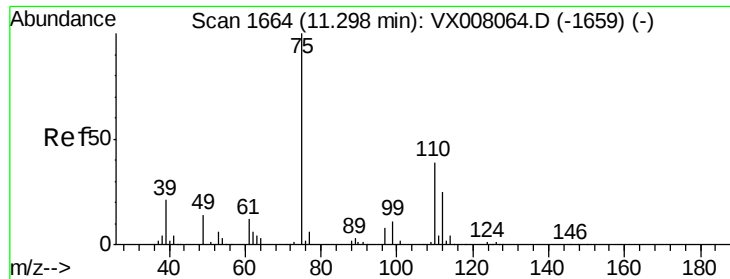
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008097.D
Acq: 15 Mar 2019 03:46

Tgt Ion:152 Resp: 195438
Ion Ratio Lower Upper
152 100
115 54.0 38.6 115.7
150 155.7 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: 23.055 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008097.D

Acq: 15 Mar 2019 03:46

Instrument :

MSVOA_X

ClientSampleId :

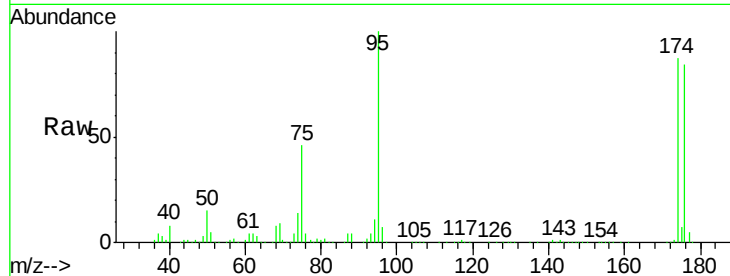
TT101D2-20190307DL

Tot Ion: 75 Resp: 78252

Ion Ratio Lower Upper

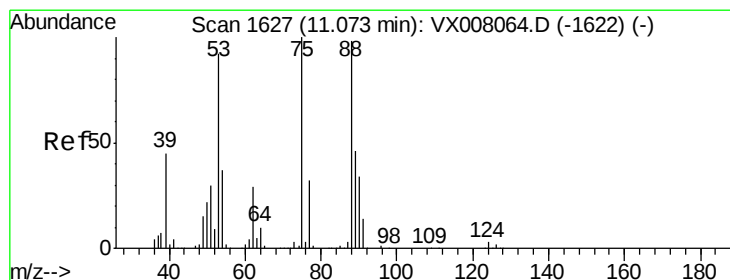
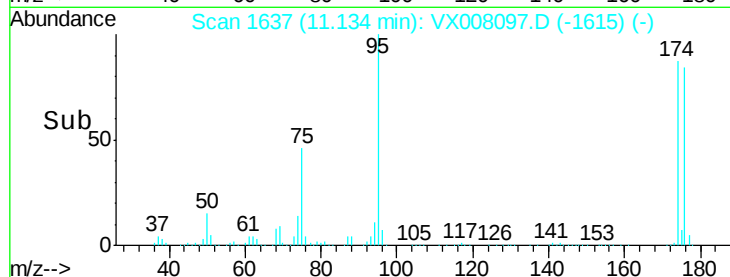
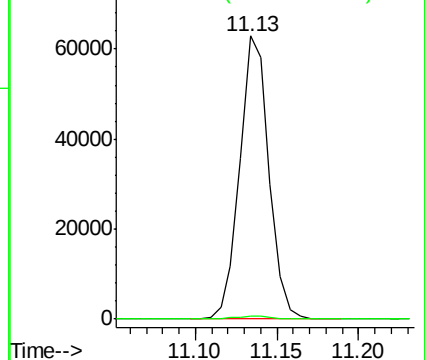
75 100

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: 65.605 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008097.D

Acq: 15 Mar 2019 03:46

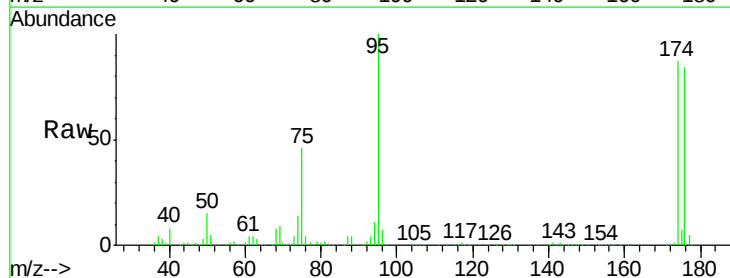
Tgt Ion: 75 Resp: 78252

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

