

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062119\
 Data File : VX010377.D
 Acq On : 21 Jun 2019 12:18
 Operator : JC/SP
 Sample : K3476-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190620

Quant Time: Jun 21 23:09:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	305936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	461764	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	409828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192876	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	139244	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
35) Dibromofluoromethane	5.50	113	141812	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
50) Toluene-d8	8.71	98	542228	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.13	95	180605	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	

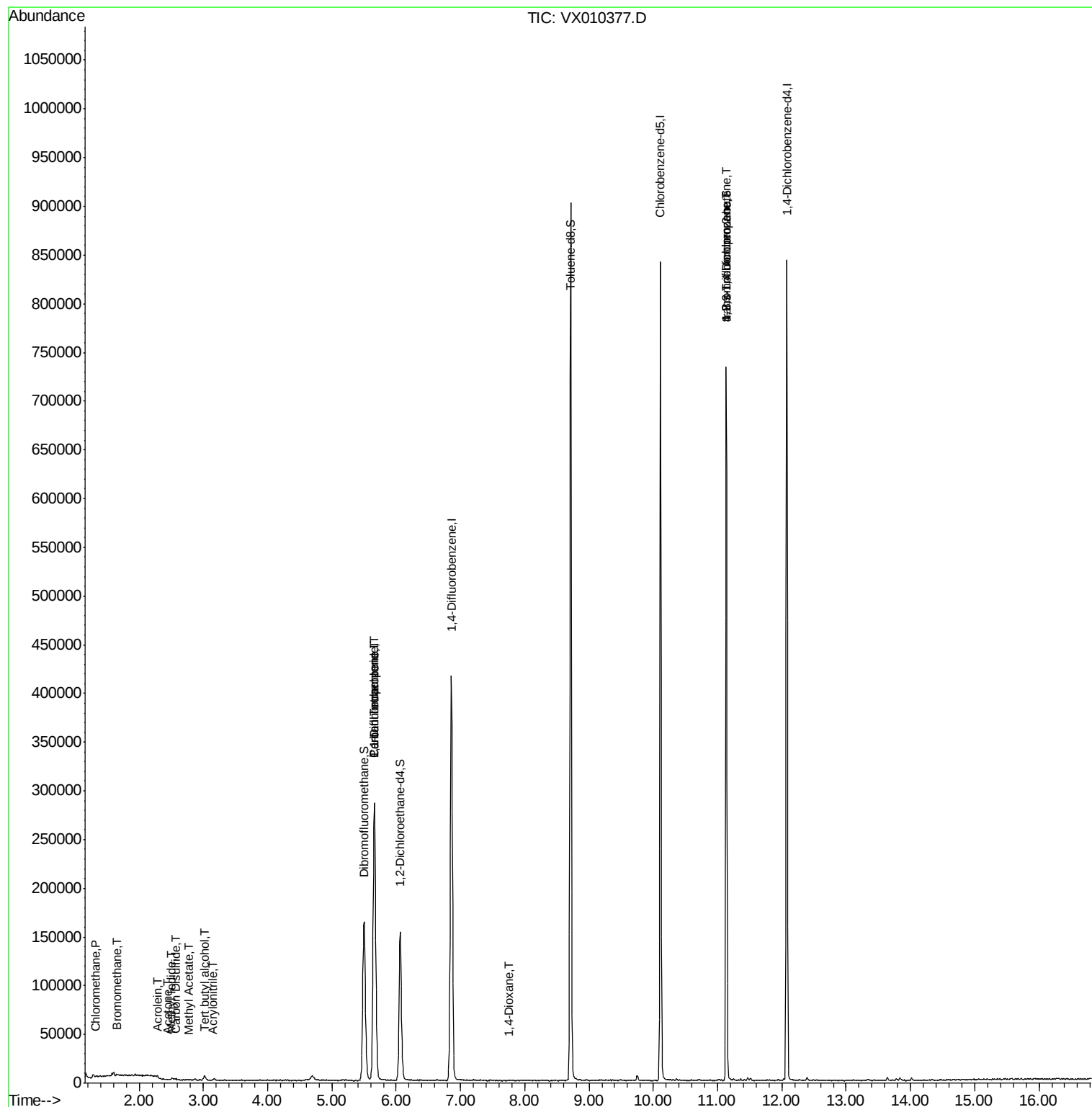
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	600	0.242	ug/l #	58
5) Bromomethane	1.65	94	804	0.608	ug/l #	79
10) Methyl Iodide	2.51	142	1744	0.469	ug/l #	85
11) Tert butyl alcohol	3.02	59	2562	3.413	ug/l #	83
13) Acrolein	2.29	56	804	1.615	ug/l #	30
15) Acrylonitrile	3.15	53	428	0.288	ug/l #	83
16) Acetone	2.44	43	454	0.316	ug/l #	58
17) Carbon Disulfide	2.57	76	2029	0.285	ug/l	96
18) Methyl Acetate	2.78	43	688	0.240	ug/l #	56
36) 1,1-Dichloropropene	5.66	75	19002	5.178	ug/l #	47
38) Carbon Tetrachloride	5.66	117	26292	6.617	ug/l #	15
49) 1,4-Dioxane	7.76	88	23	0.275	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	84532	24.051	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	84532	56.108	ug/l #	16

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

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Quant Time: Jun 21 23:09:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010377.D

Acq: 21 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

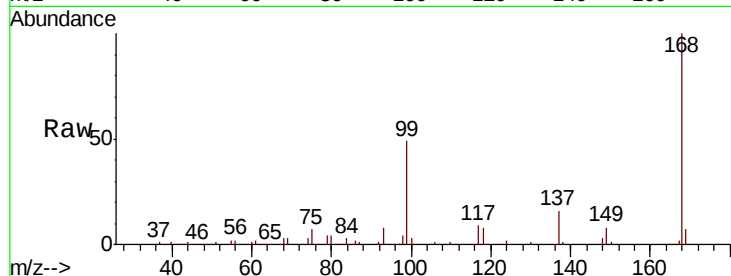
TB-01-190620

Tot Ion:168 Resp: 305936

Ion Ratio Lower Upper

168 100

99 48.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

60000

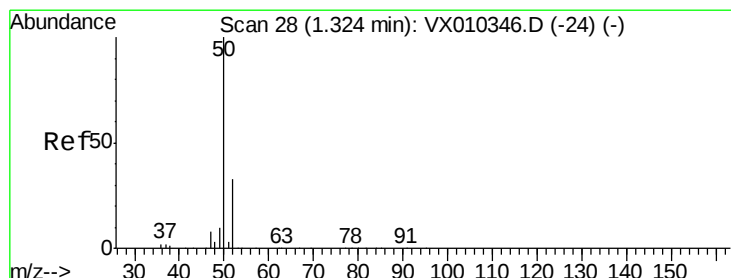
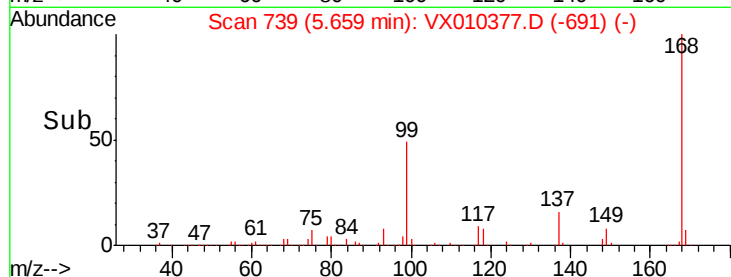
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.242 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010377.D

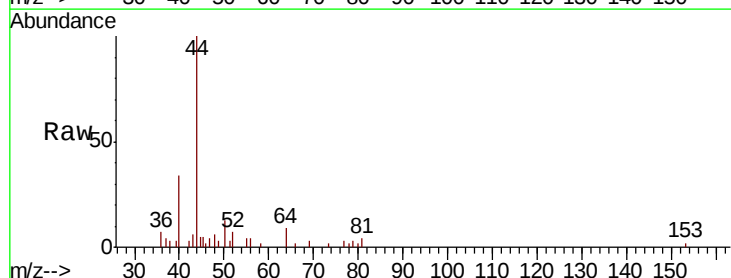
Acq: 21 Jun 2019 12:18

Tgt Ion: 50 Resp: 600

Ion Ratio Lower Upper

50 100

52 56.9 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

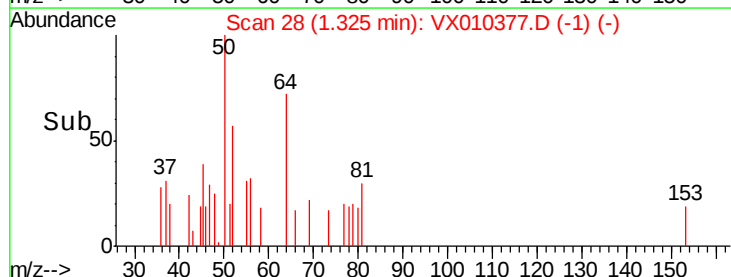
200

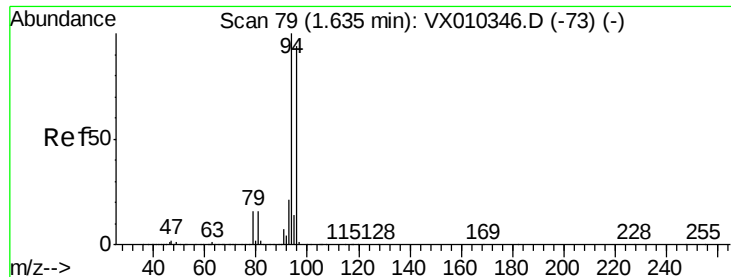
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.608 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010377.D

Acq: 21 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

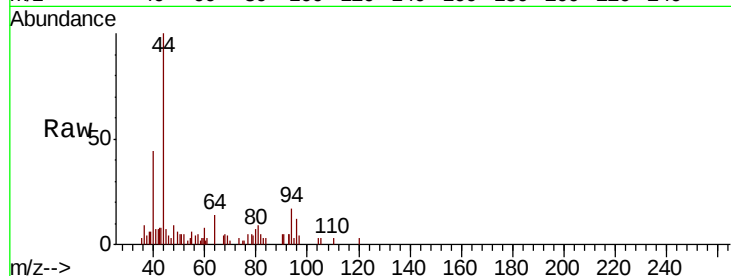
TB-01-190620

Tot Ion: 94 Resp: 804

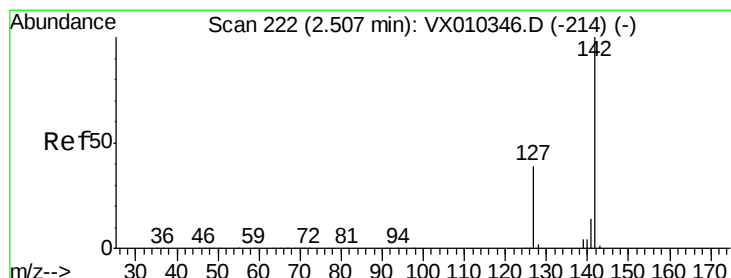
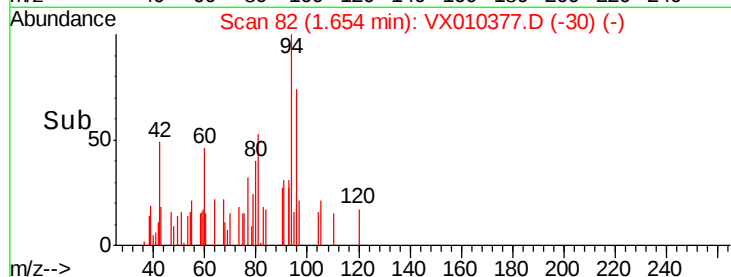
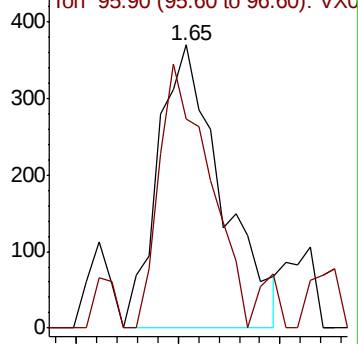
Ion Ratio Lower Upper

94 100

96 73.7 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#10

Methyl Iodide

Concen: 0.469 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010377.D

Acq: 21 Jun 2019 12:18

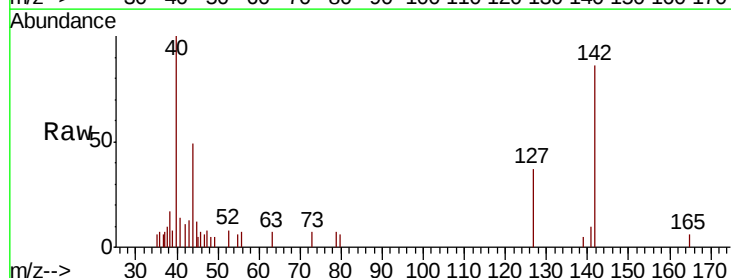
Tgt Ion:142 Resp: 1744

Ion Ratio Lower Upper

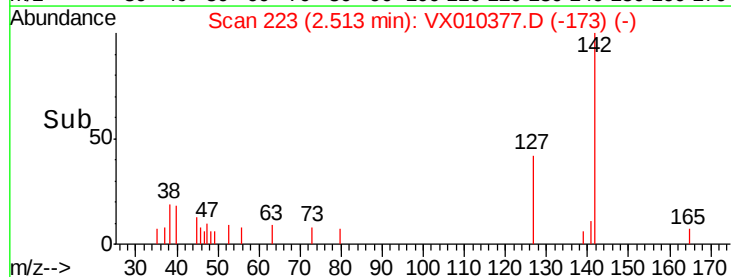
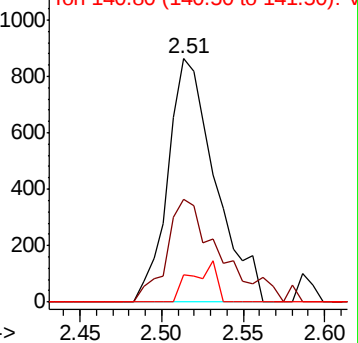
142 100

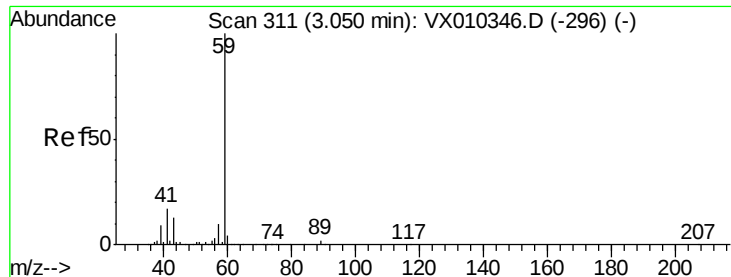
127 48.2 31.1 46.7#

141 8.8 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V



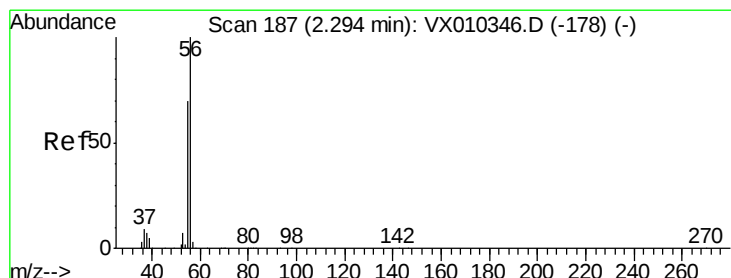
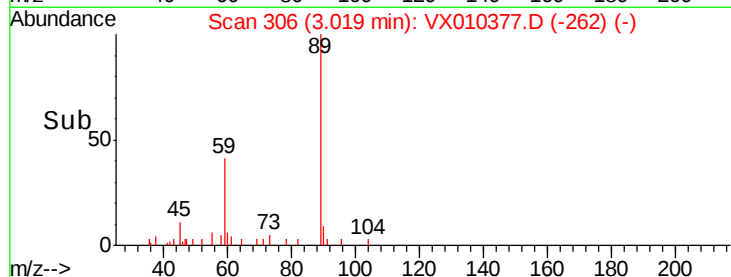
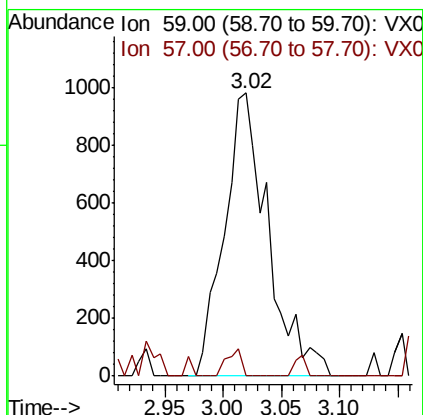
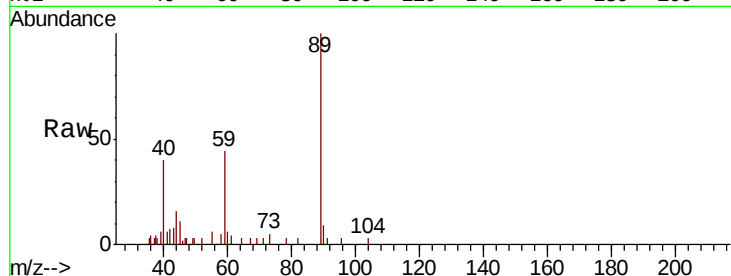


#11

Tert butyl alcohol
 Concen: 3.413 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010377.D
 Acq: 21 Jun 2019 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190620

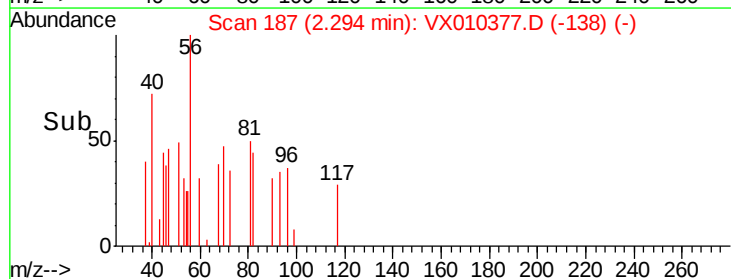
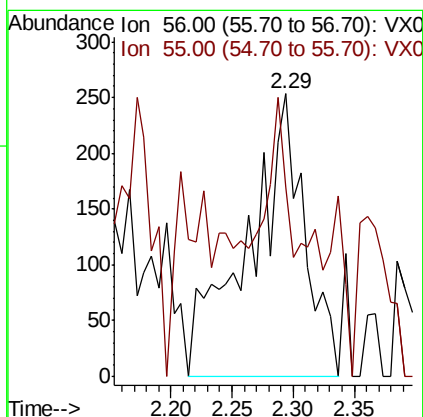
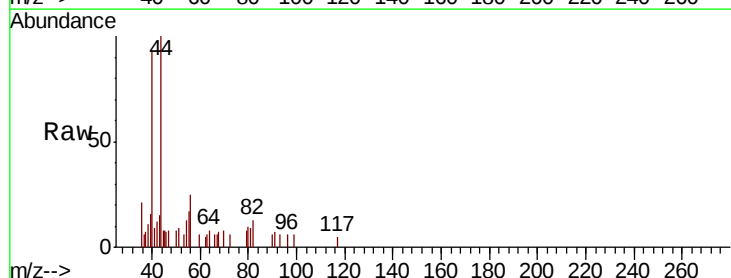
Tot Ion: 59 Resp: 2562
 Ion Ratio Lower Upper
 59 100
 57 3.2 7.7 11.5#

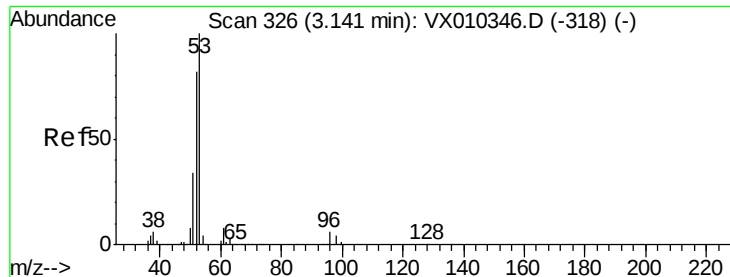


#13

Acrolein
 Concen: 1.615 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX010377.D
 Acq: 21 Jun 2019 12:18

Tgt Ion: 56 Resp: 804
 Ion Ratio Lower Upper
 56 100
 55 12.8 56.9 85.3#





#15

Acrylonitrile

Concen: 0.288 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010377.D

Acq: 21 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190620

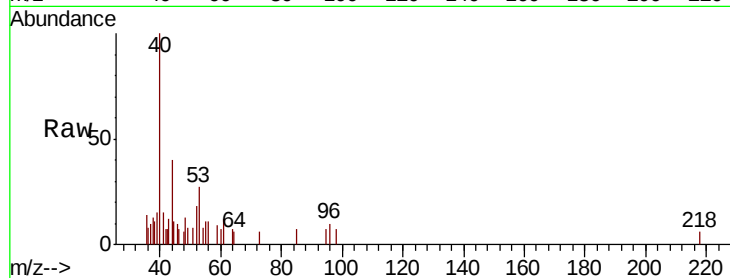
Tot Ion: 53 Resp: 428

Ion Ratio Lower Upper

53 100

52 90.4 65.5 98.3

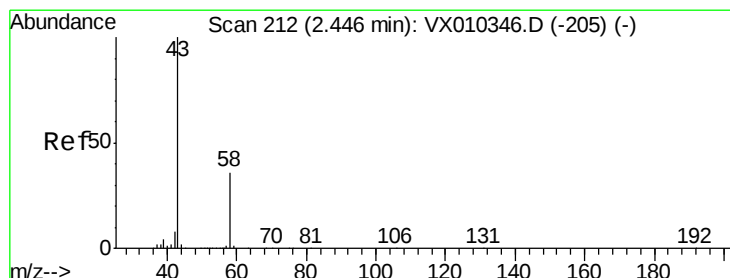
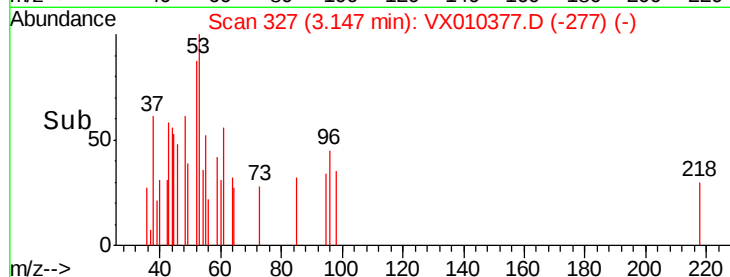
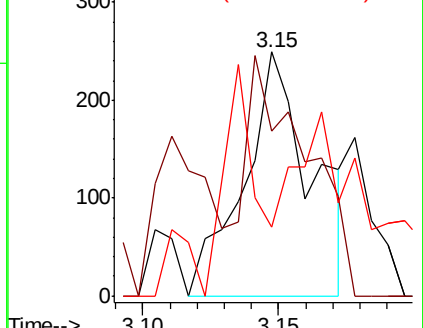
51 55.4 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.316 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010377.D

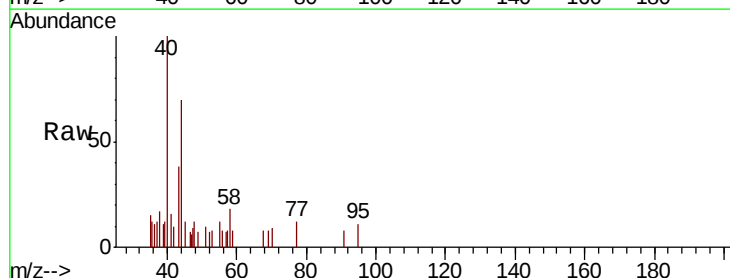
Acq: 21 Jun 2019 12:18

Tgt Ion: 43 Resp: 454

Ion Ratio Lower Upper

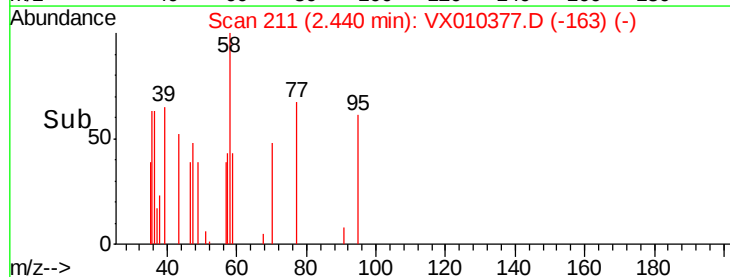
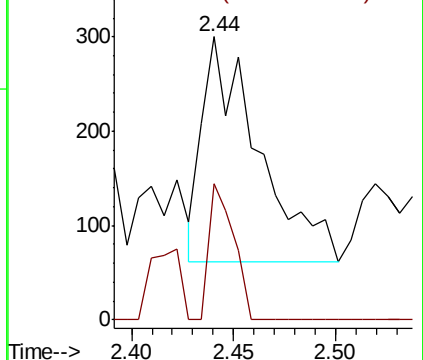
43 100

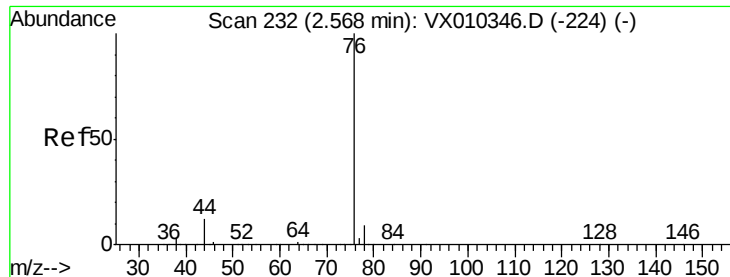
58 60.9 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.285 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010377.D

Acq: 21 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

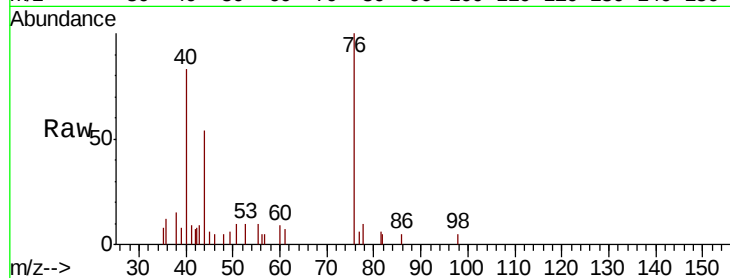
TB-01-190620

Tot Ion: 76 Resp: 2029

Ion Ratio Lower Upper

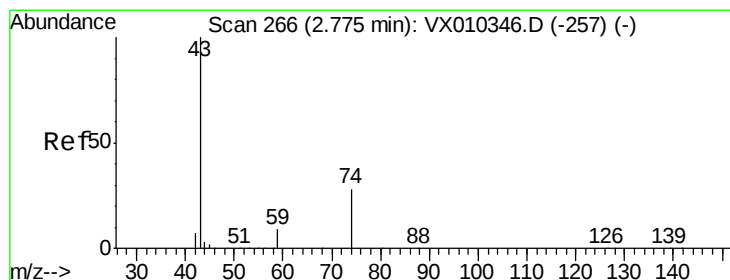
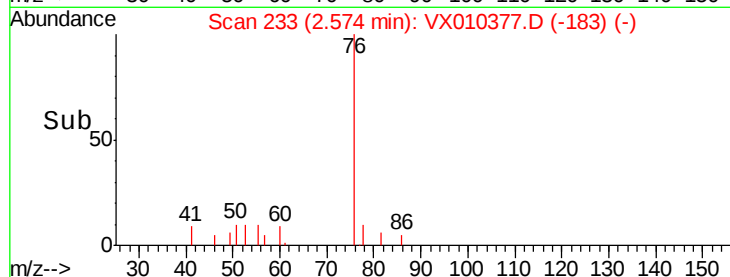
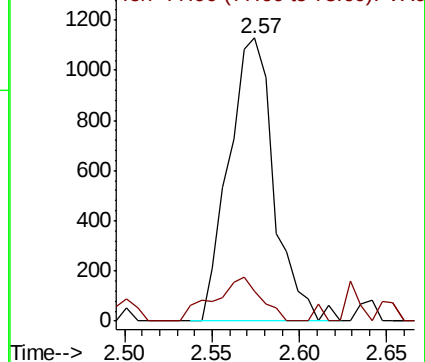
76 100

78 10.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.240 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX010377.D

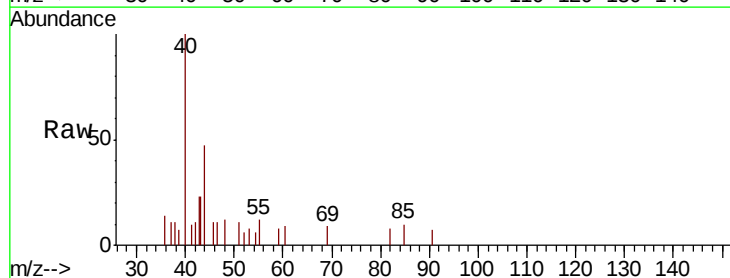
Acq: 21 Jun 2019 12:18

Tgt Ion: 43 Resp: 688

Ion Ratio Lower Upper

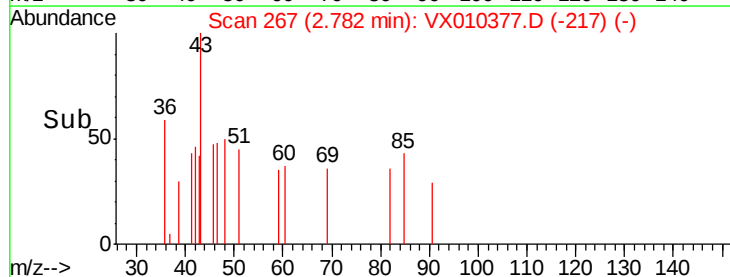
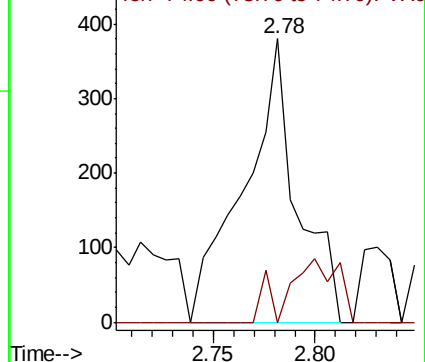
43 100

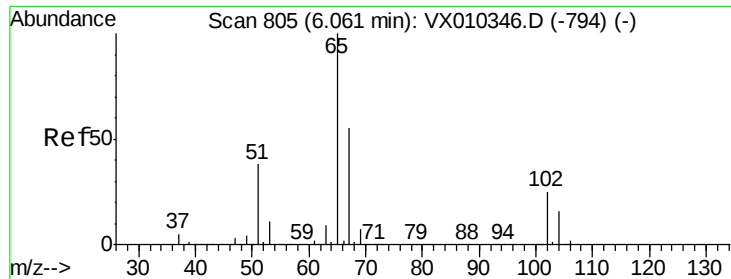
74 3.8 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.543 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010377.D

Acq: 21 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

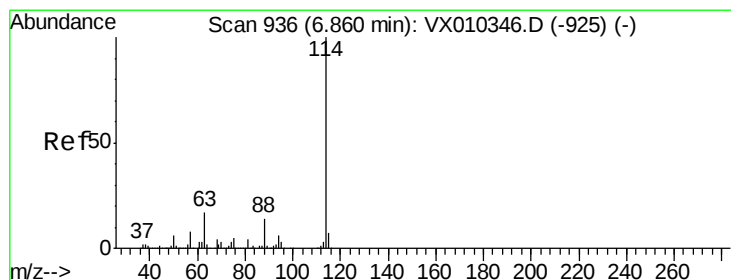
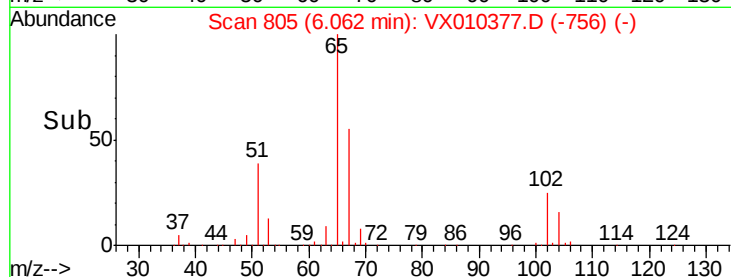
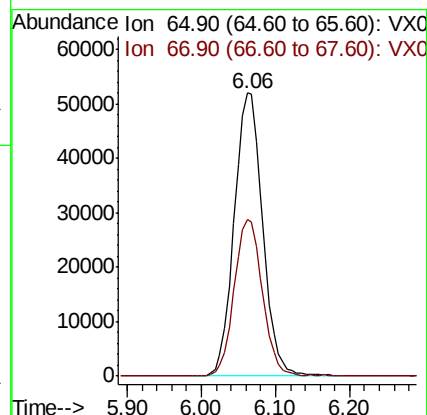
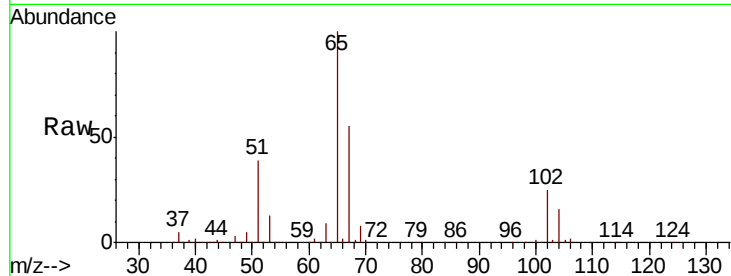
TB-01-190620

Tot Ion: 65 Resp: 139244

Ion Ratio Lower Upper

65 100

67 55.0 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010377.D

Acq: 21 Jun 2019 12:18

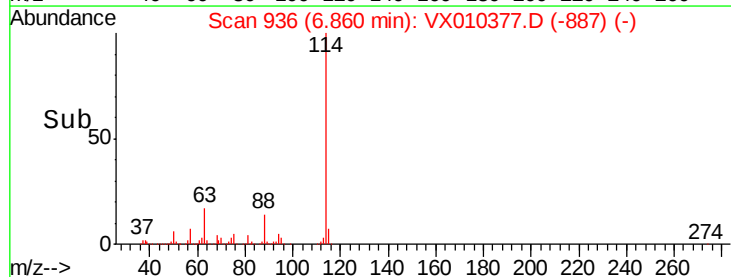
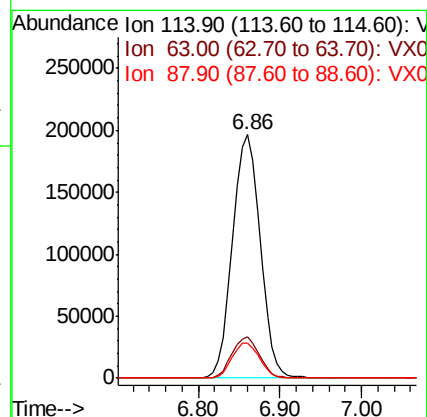
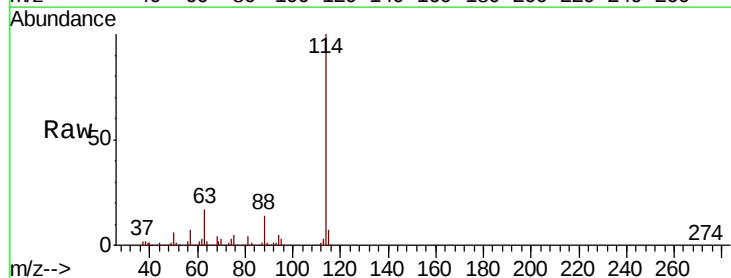
Tgt Ion: 114 Resp: 461764

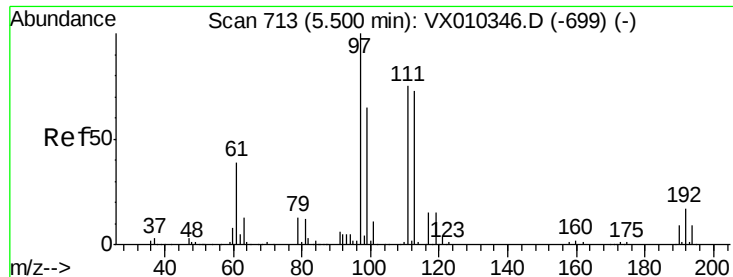
Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.8

88 14.5 0.0 27.6

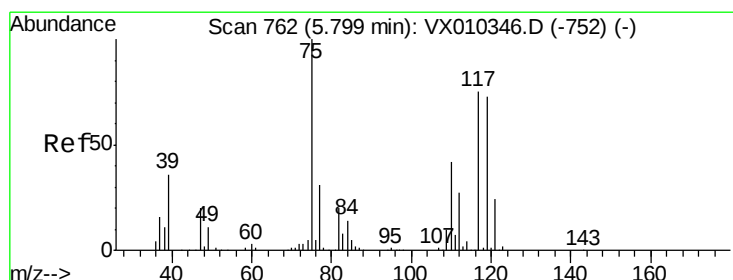
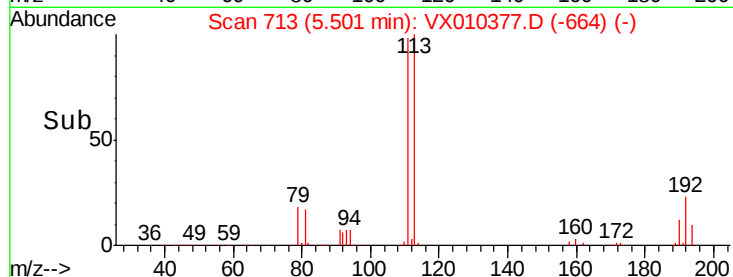
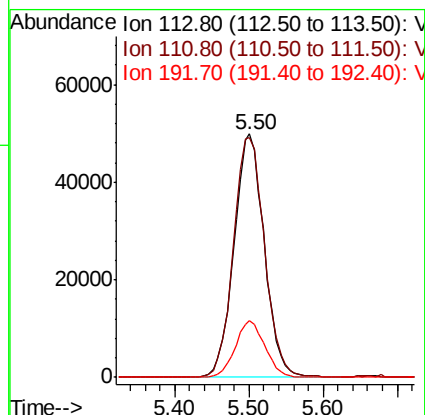
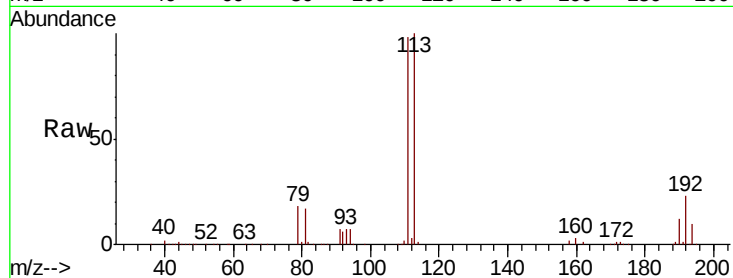




#35
Dibromofluoromethane
Concen: 50.195 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010377.D
Acq: 21 Jun 2019 12:18

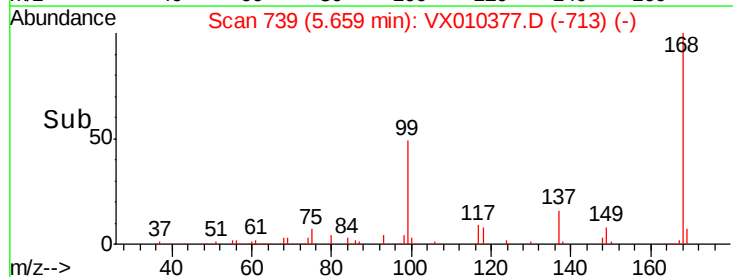
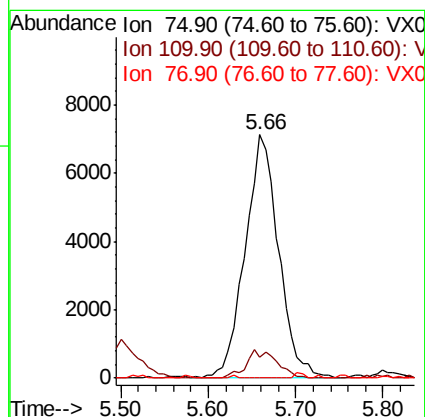
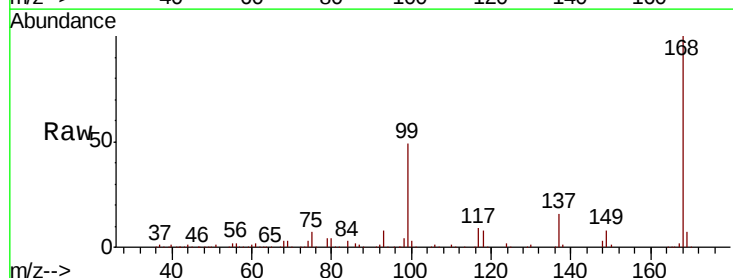
Instrument :
MSVOA_X
ClientSampleId :
TB-01-190620

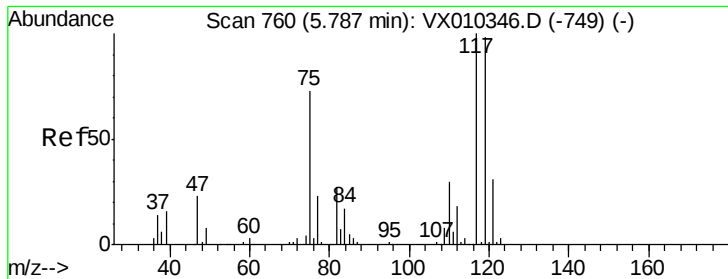
Tot Ion:113 Resp: 141812
Ion Ratio Lower Upper
113 100
111 101.6 81.2 121.8
192 22.9 18.6 27.8



#36
1,1-Dichloropropene
Concen: 5.178 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX010377.D
Acq: 21 Jun 2019 12:18

Tgt Ion: 75 Resp: 19002
Ion Ratio Lower Upper
75 100
110 10.6 20.8 62.2#
77 0.0 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.617 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010377.D

Acq: 21 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190620

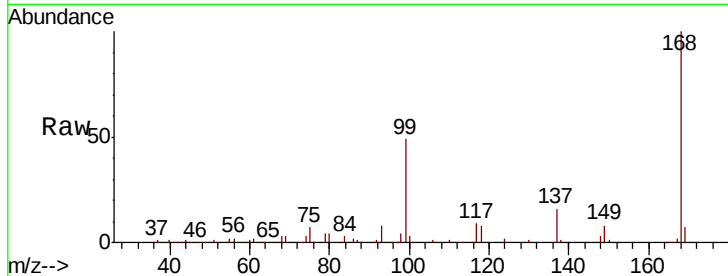
Tot Ion:117 Resp: 26292

Ion Ratio Lower Upper

117 100

119 4.5 78.2 117.4#

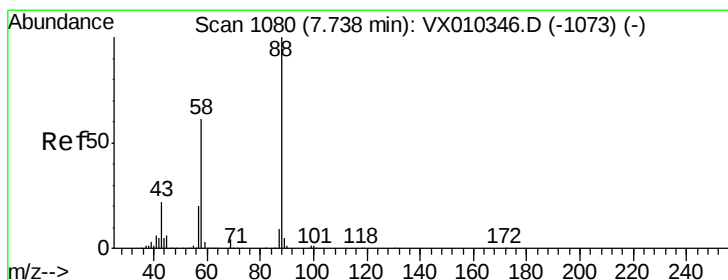
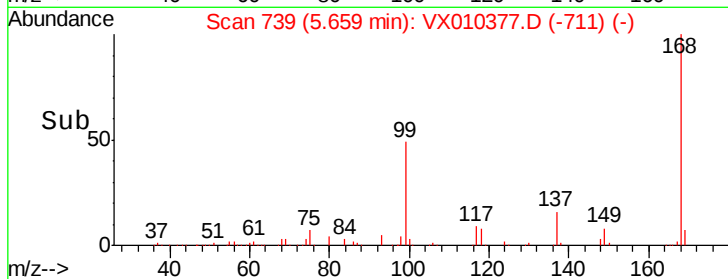
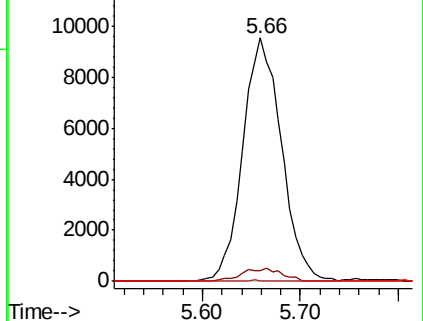
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.275 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX010377.D

Acq: 21 Jun 2019 12:18

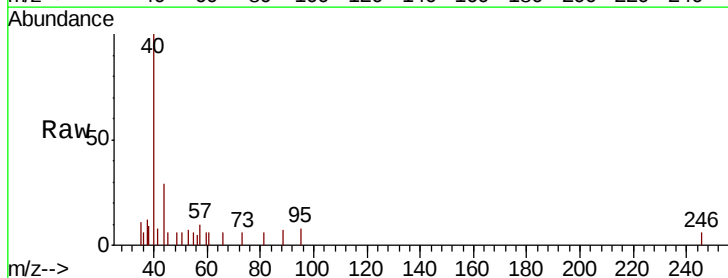
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 321.7 20.2 30.2#

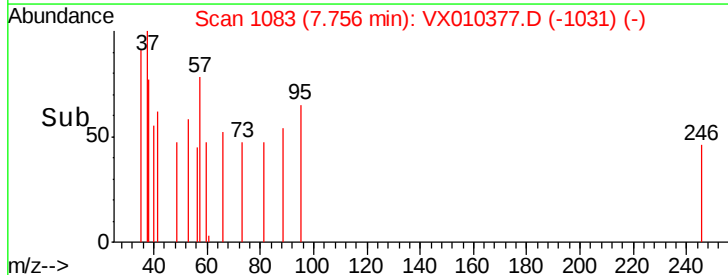
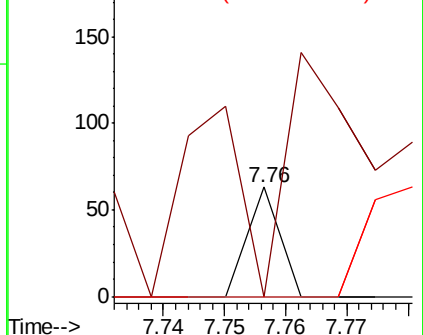
58 0.0 49.5 74.3#

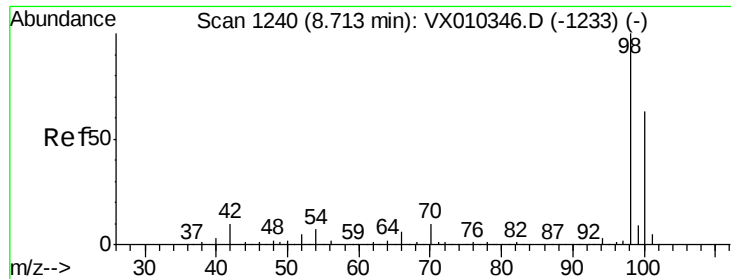


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.165 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010377.D

Acq: 21 Jun 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

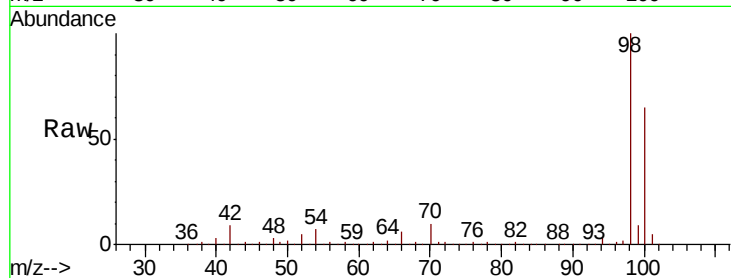
TB-01-190620

Tot Ion: 98 Resp: 542228

Ion Ratio Lower Upper

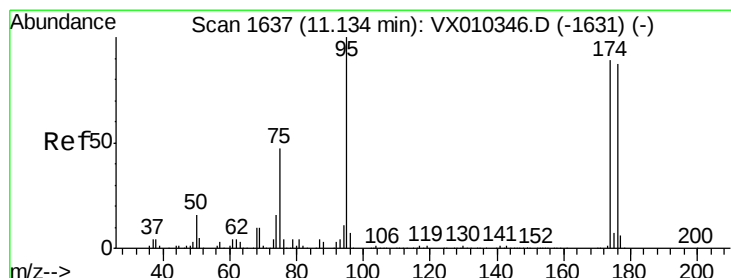
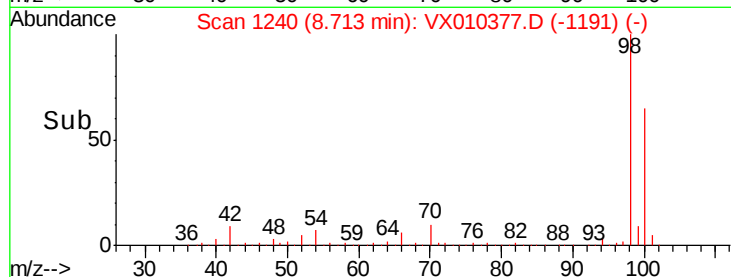
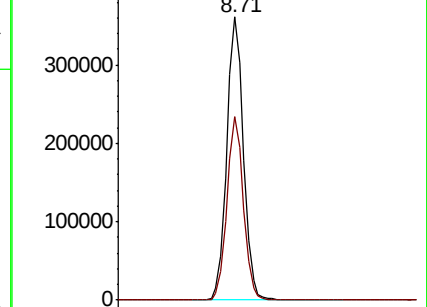
98 100

100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 46.282 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010377.D

Acq: 21 Jun 2019 12:18

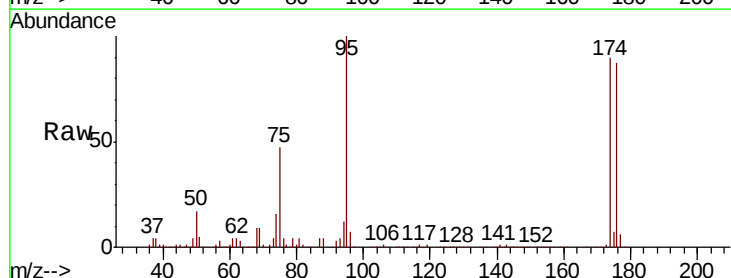
Tgt Ion: 95 Resp: 180605

Ion Ratio Lower Upper

95 100

174 95.2 0.0 187.6

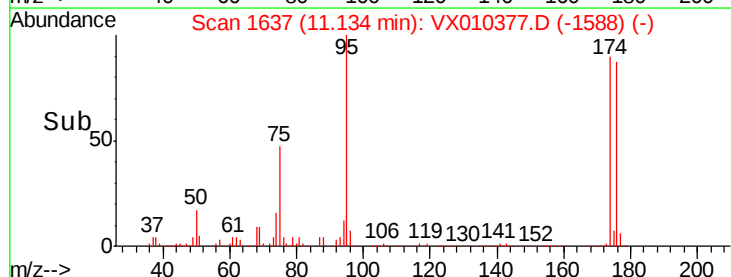
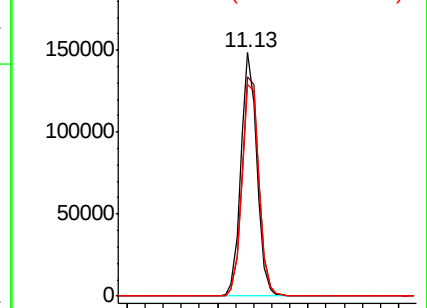
176 92.9 0.0 184.0

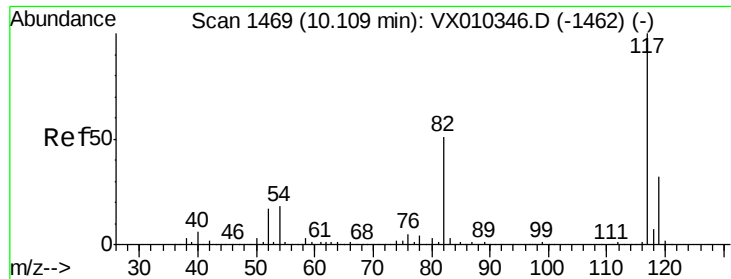


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

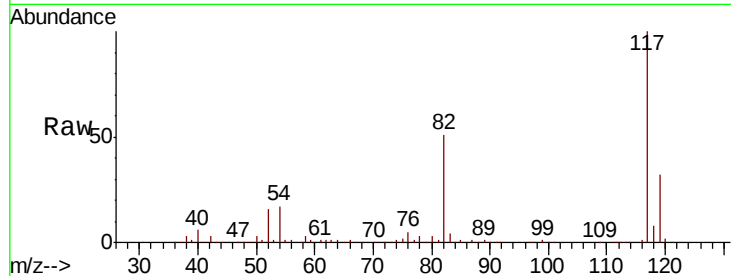




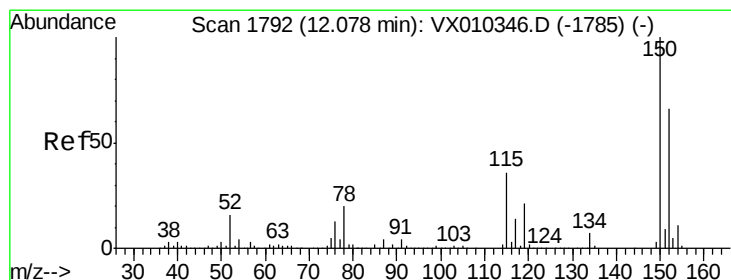
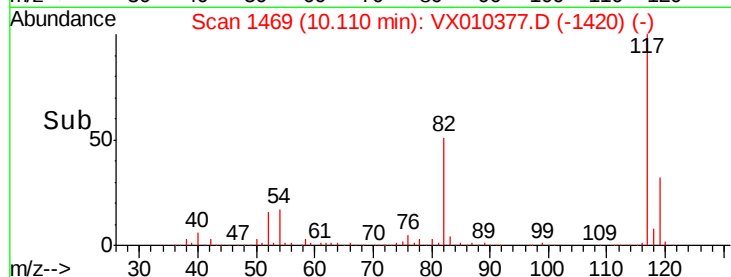
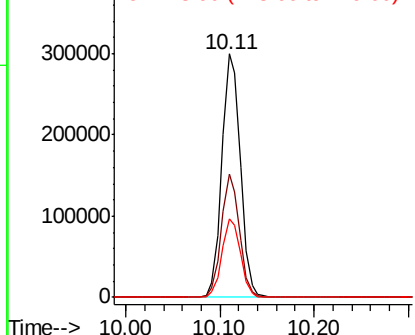
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010377.D
Acq: 21 Jun 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
TB-01-190620

Tot Ion:117 Resp: 409828
Ion Ratio Lower Upper
117 100
82 50.7 41.2 61.8
119 32.3 25.5 38.3

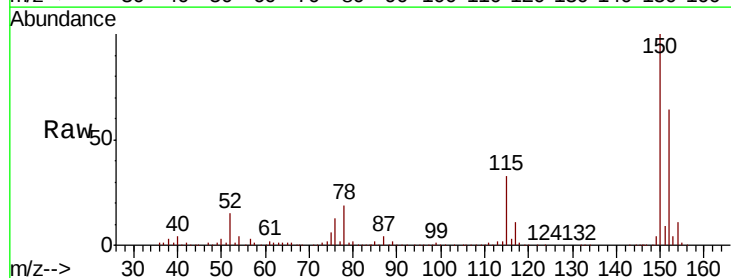


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

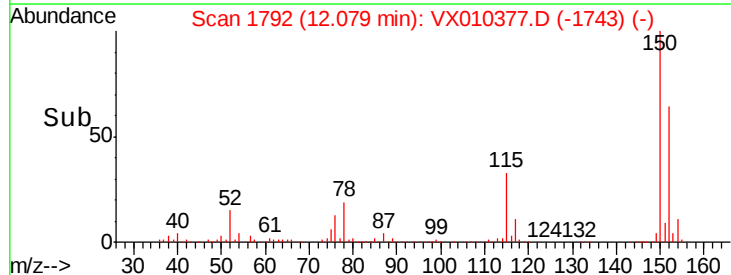
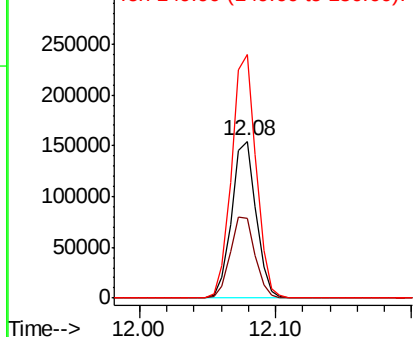


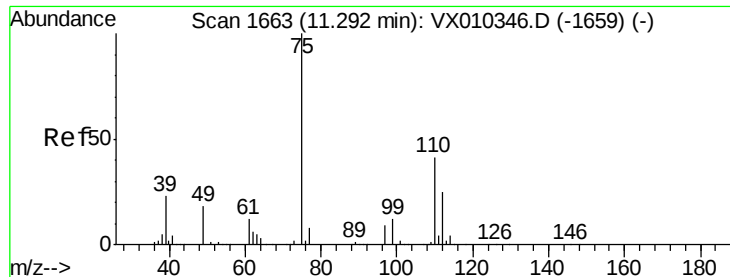
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010377.D
Acq: 21 Jun 2019 12:18

Tgt Ion:152 Resp: 192876
Ion Ratio Lower Upper
152 100
115 52.7 38.6 115.7
150 155.2 0.0 347.4



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

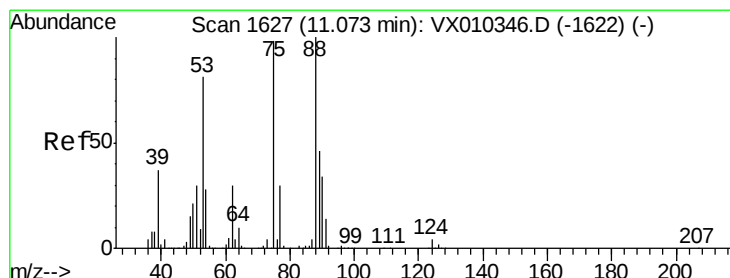
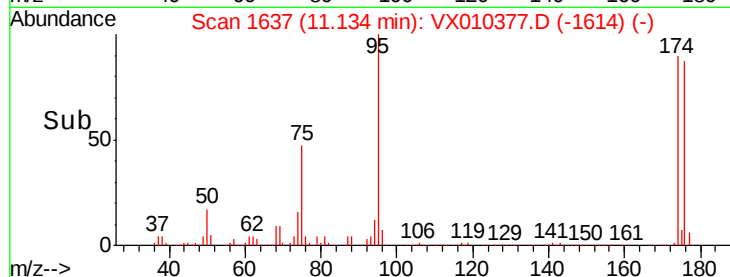
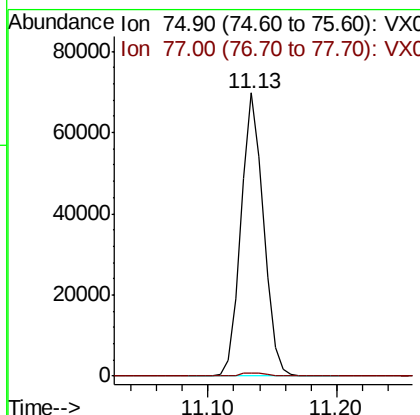
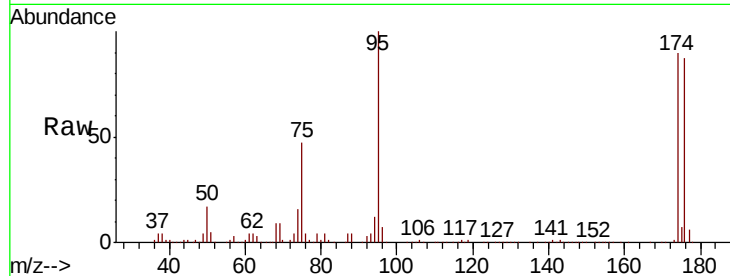




#76
 1,2,3-Trichloropropane
 Concen: 24.051 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010377.D
 Acq: 21 Jun 2019 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190620

Tot Ion: 75 Resp: 84532
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.108 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010377.D
 Acq: 21 Jun 2019 12:18

Tgt Ion: 75 Resp: 84532
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#

