

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031619\
 Data File : VX008135.D
 Acq On : 16 Mar 2019 12:30
 Operator : JC/SP
 Sample : VX0316WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBL01

Quant Time: Mar 18 01:08:27 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	5.67	168	258610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	391600	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	374153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185649	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	128117	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
35) Dibromofluoromethane	5.50	113	126311	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
50) Toluene-d8	8.71	98	467056	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	11.13	95	171542	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	

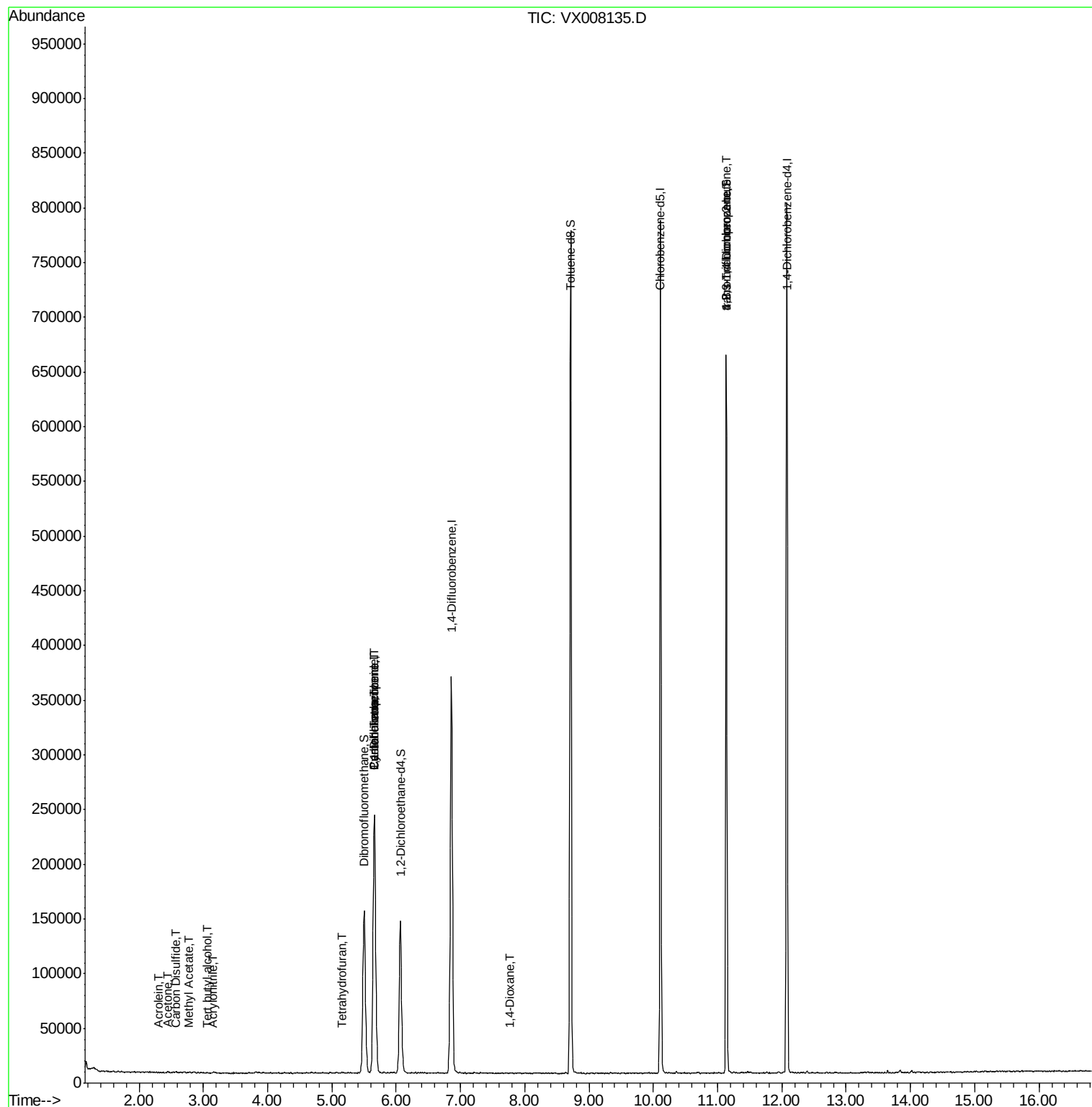
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	454	Below Cal	#	68
6) Chloroethane	1.75	64	599	Below Cal	#	43
11) Tert butyl alcohol	3.06	59	140	0.278	ug/l #	73
13) Acrolein	2.29	56	233	0.502	ug/l #	66
15) Acrylonitrile	3.14	53	507	0.413	ug/l #	83
16) Acetone	2.45	43	636	0.516	ug/l	99
17) Carbon Disulfide	2.57	76	1261	0.223	ug/l #	79
18) Methyl Acetate	2.78	43	682	0.256	ug/l #	86
29) Tetrahydrofuran	5.15	42	366	0.310	ug/l #	51
31) Cyclohexane	5.65	56	3721	0.998	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14409	4.473	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20897	6.739	ug/l #	18
49) 1,4-Dioxane	7.77	88	46	0.732	ug/l #	22
76) 1,2,3-Trichloropropane	11.13	75	75661	23.467	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	75661	66.778	ug/l #	12

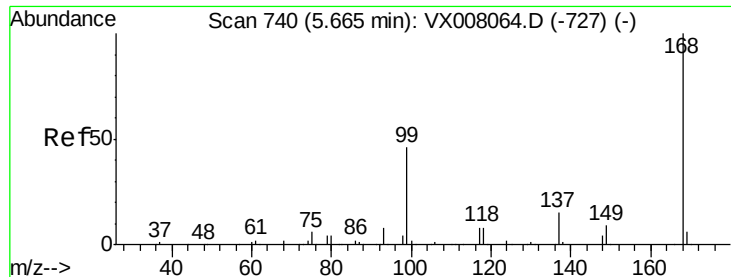
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 18 01:08:27 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: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008135.D

Acq: 16 Mar 2019 12:30

Instrument :

MSVOA_X

ClientSampled :

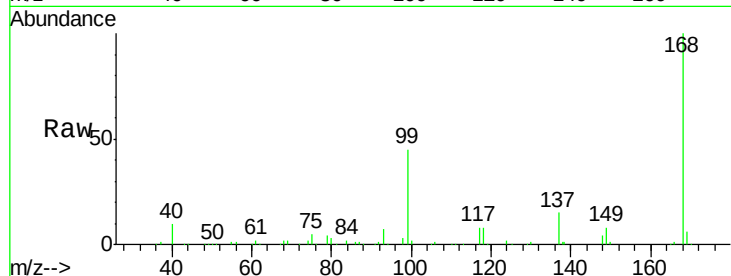
VX0316WBL01

Tot Ion:168 Resp: 258610

Ion Ratio Lower Upper

168 100

99 44.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

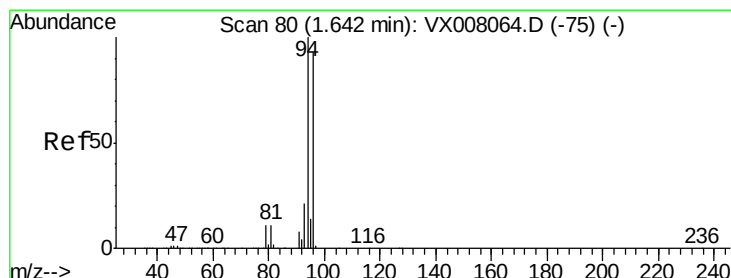
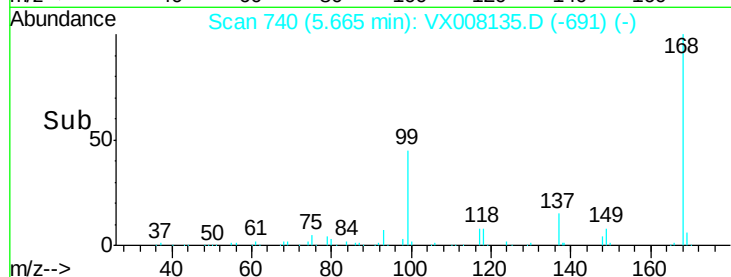
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 84

Delta R.T. 0.02 min

Lab File: VX008135.D

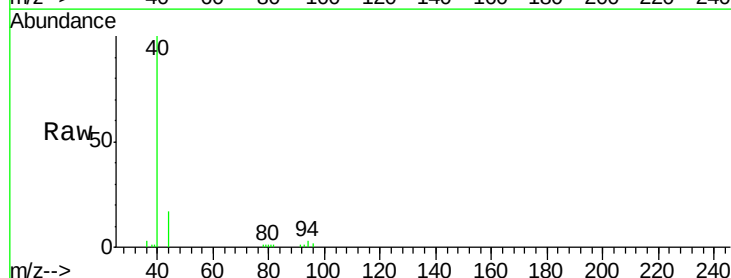
Acq: 16 Mar 2019 12:30

Tgt Ion: 94 Resp: 454

Ion Ratio Lower Upper

94 100

96 63.5 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

250

200

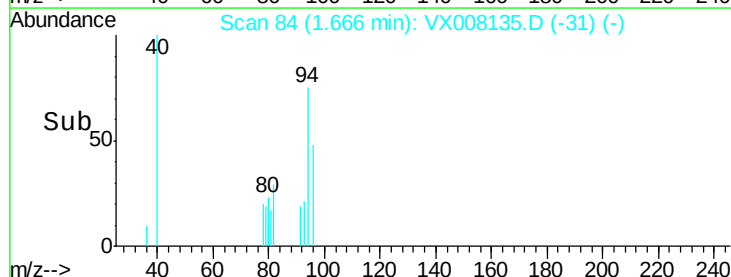
150

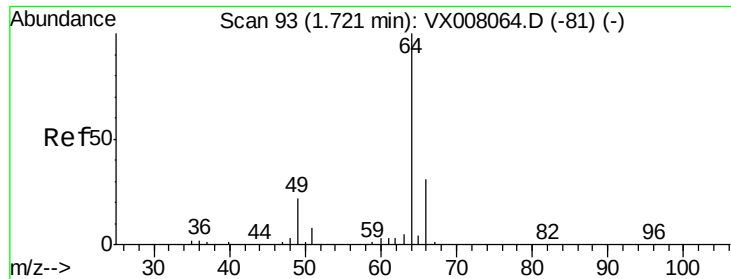
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 97

Delta R.T. 0.03 min

Lab File: VX008135.D

Acq: 16 Mar 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

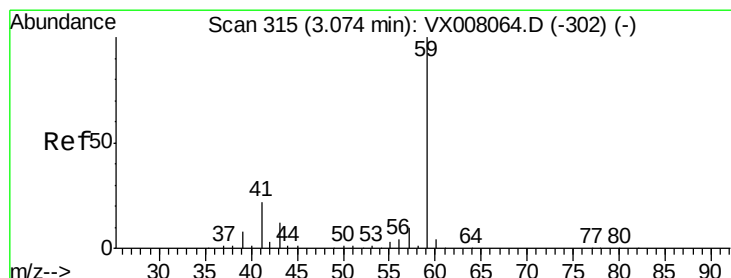
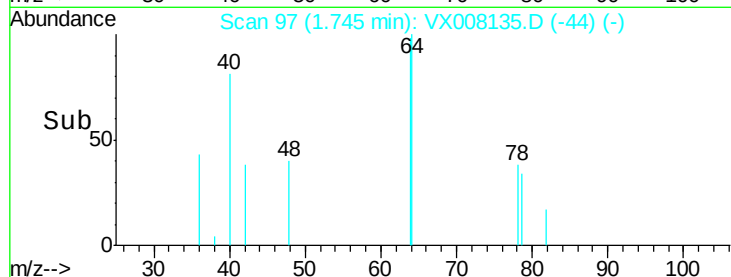
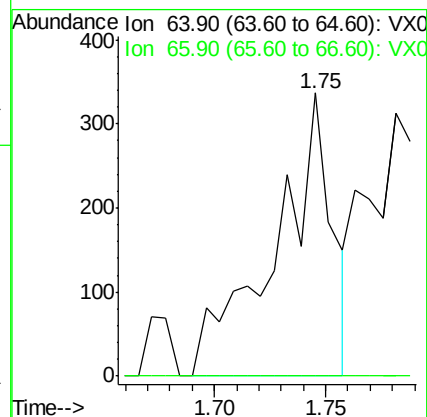
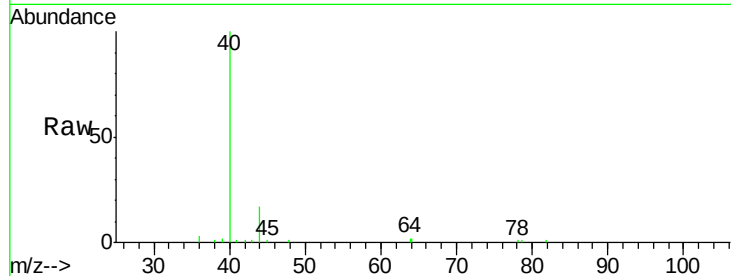
VX0316WBL01

Tot Ion: 64 Resp: 599

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



#11

Tert butyl alcohol

Concen: 0.278 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX008135.D

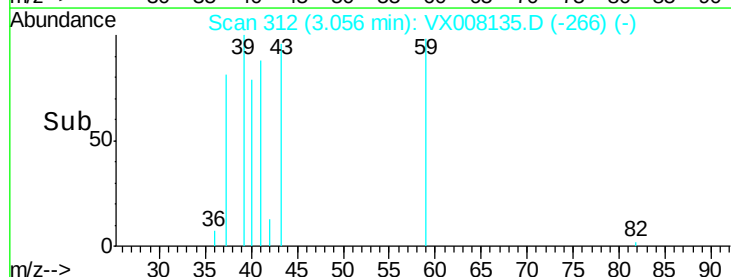
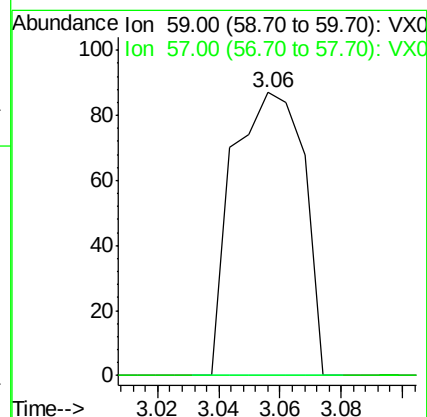
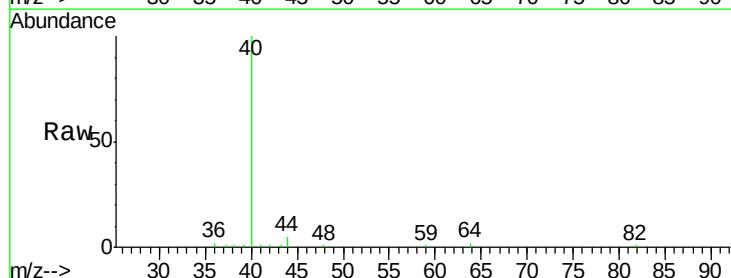
Acq: 16 Mar 2019 12:30

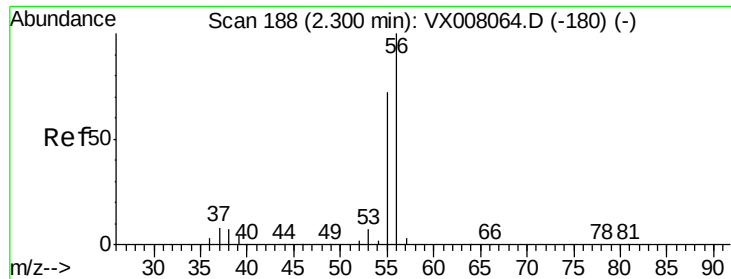
Tgt Ion: 59 Resp: 140

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#

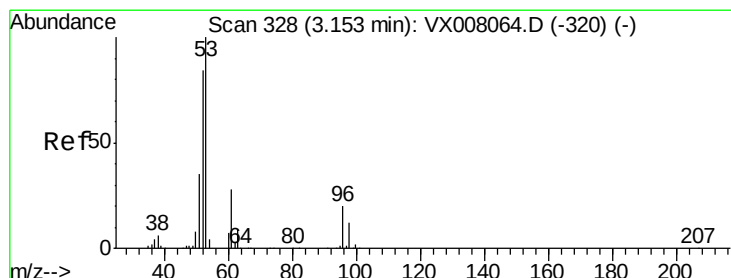
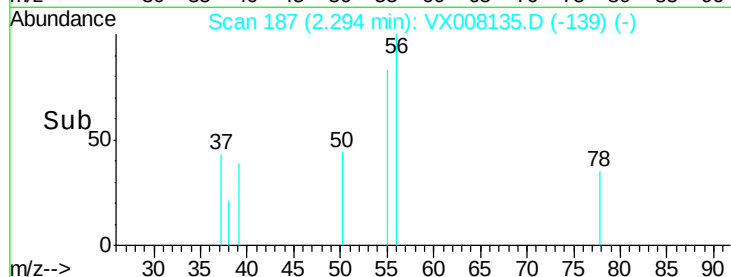
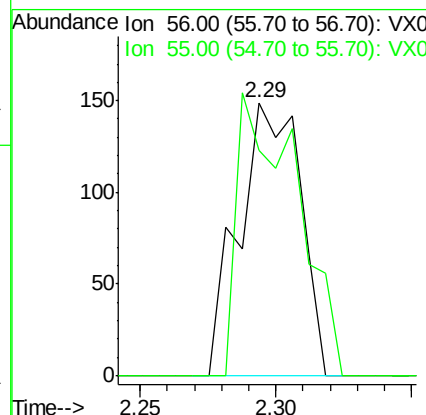
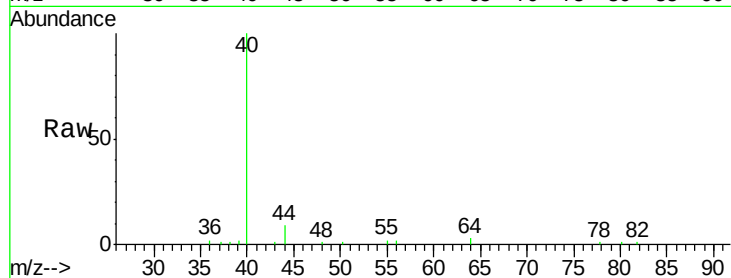




#13
Acrolein
Concen: 0.502 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX008135.D
Acq: 16 Mar 2019 12:30

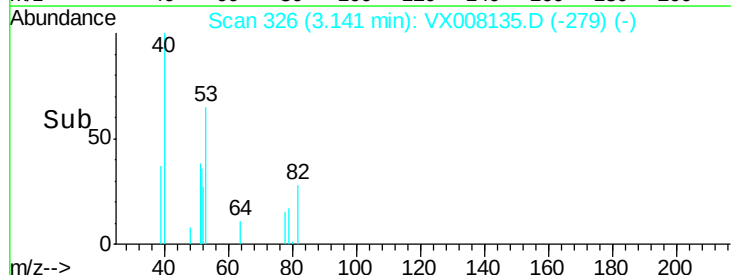
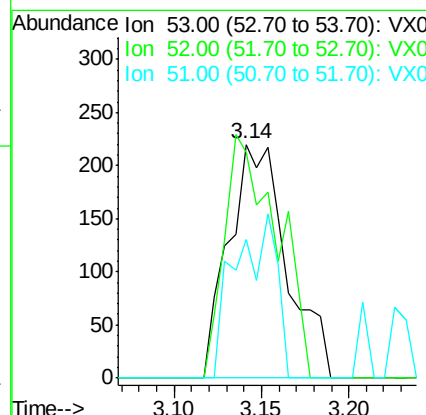
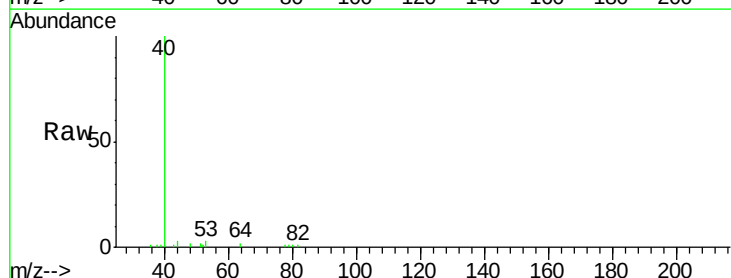
Instrument :
MSVOA_X
ClientSampleId :
VX0316WBL01

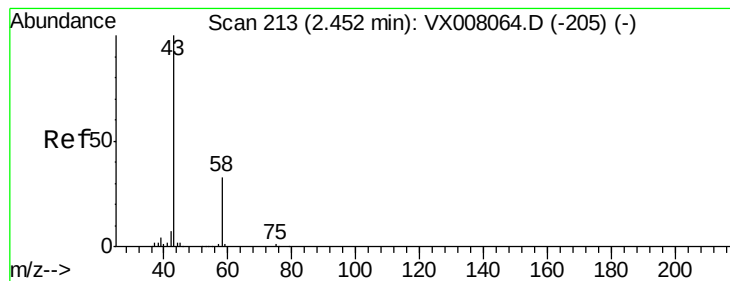
Tot Ion: 56 Resp: 233
Ion Ratio Lower Upper
56 100
55 100.9 57.8 86.6#



#15
Acrylonitrile
Concen: 0.413 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.01 min
Lab File: VX008135.D
Acq: 16 Mar 2019 12:30

Tgt Ion: 53 Resp: 507
Ion Ratio Lower Upper
53 100
52 94.5 66.0 99.0
51 50.1 28.0 42.0#





#16

Acetone

Concen: 0.516 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008135.D

Acq: 16 Mar 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

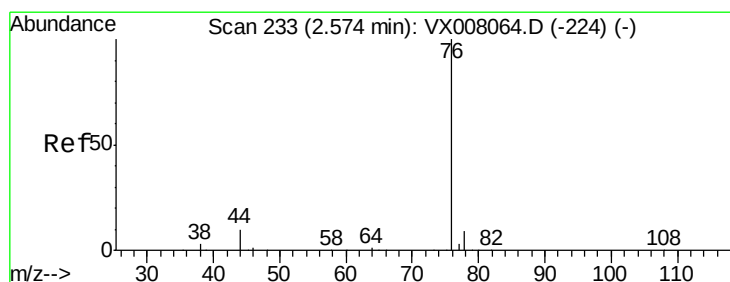
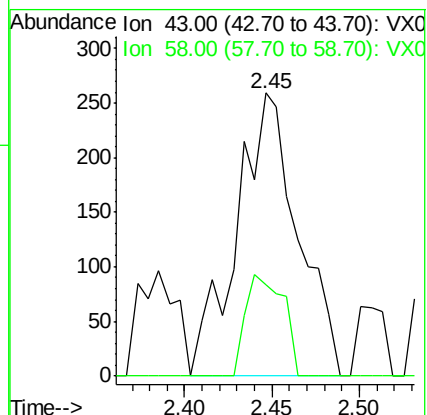
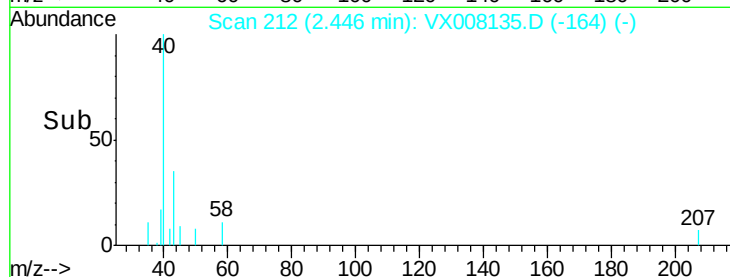
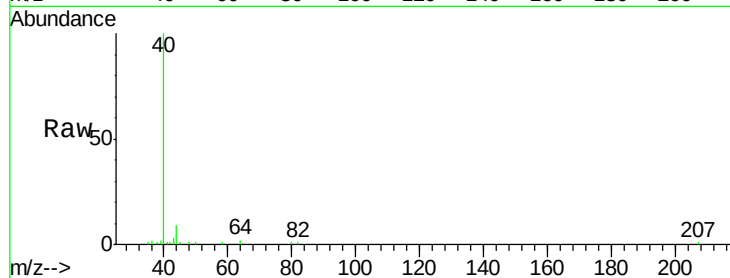
VX0316WBL01

Tot Ion: 43 Resp: 636

Ion Ratio Lower Upper

43 100

58 32.4 25.5 38.3



#17

Carbon Disulfide

Concen: 0.223 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX008135.D

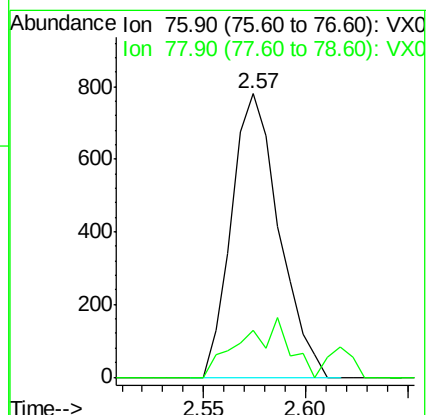
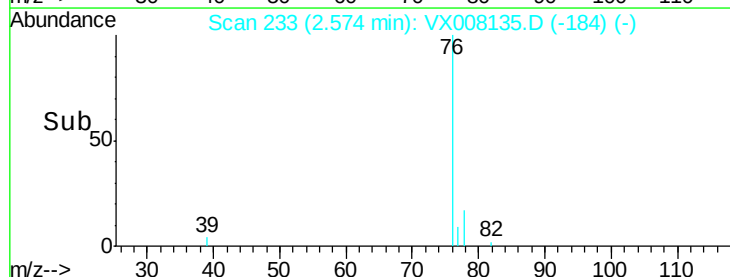
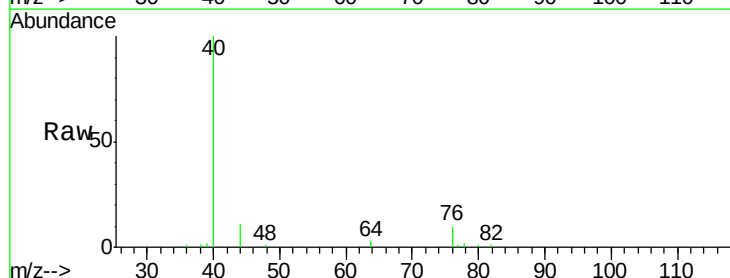
Acq: 16 Mar 2019 12:30

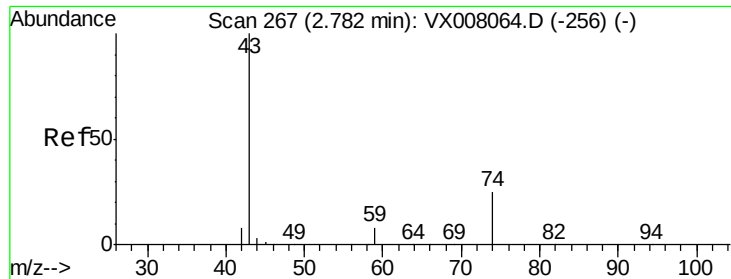
Tgt Ion: 76 Resp: 1261

Ion Ratio Lower Upper

76 100

78 16.7 7.2 10.8#

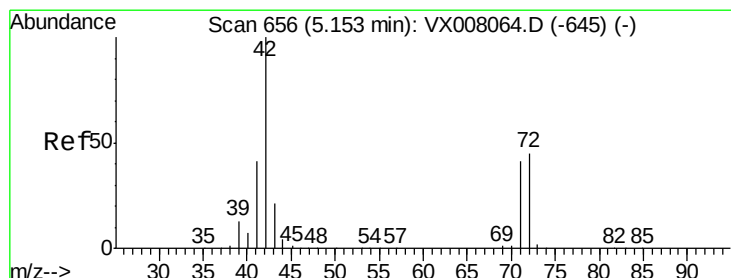
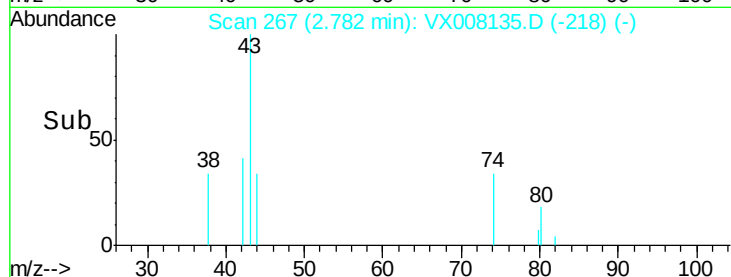
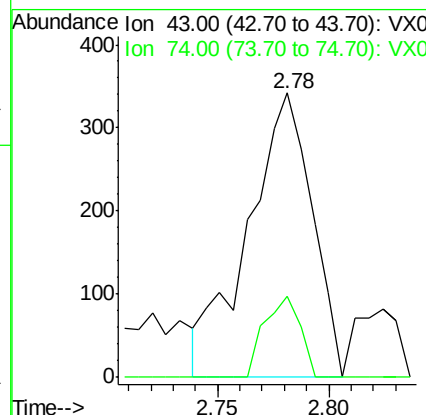
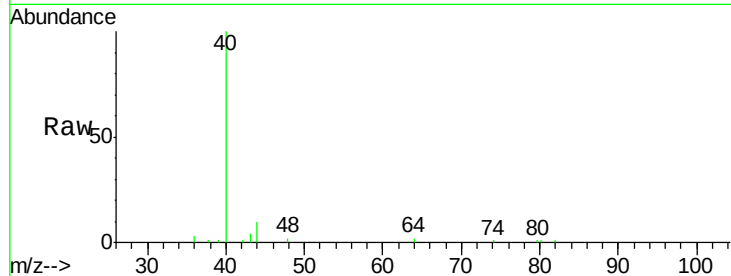




#18
Methyl Acetate
Concen: 0.256 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX008135.D
Acq: 16 Mar 2019 12:30

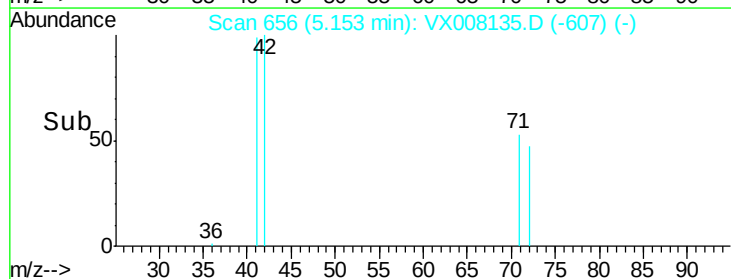
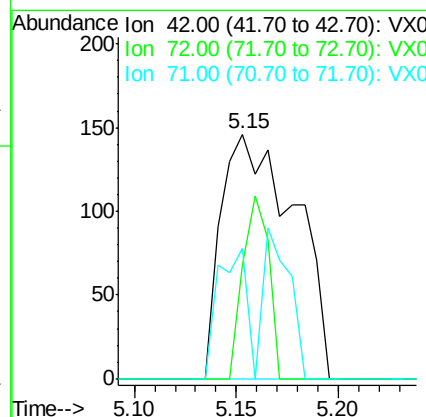
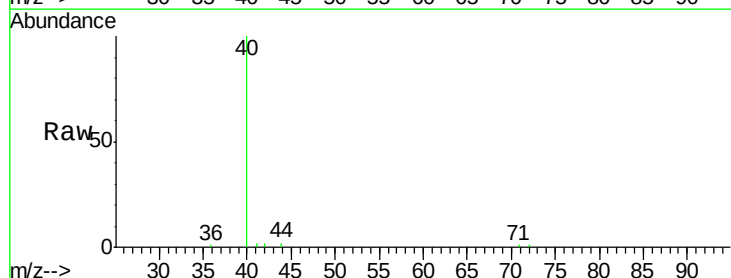
Instrument :
MSVOA_X
ClientSampleId :
VX0316WBL01

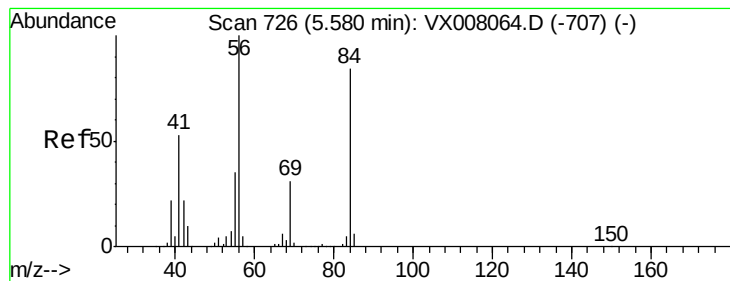
Tot Ion: 43 Resp: 682
Ion Ratio Lower Upper
43 100
74 15.7 17.8 26.6#



#29
Tetrahydrofuran
Concen: 0.310 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX008135.D
Acq: 16 Mar 2019 12:30

Tgt Ion: 42 Resp: 366
Ion Ratio Lower Upper
42 100
72 0.0 33.8 50.6#
71 20.8 31.5 47.3#





#31

Cyclohexane

Concen: 0.998 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008135.D

Acq: 16 Mar 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBL01

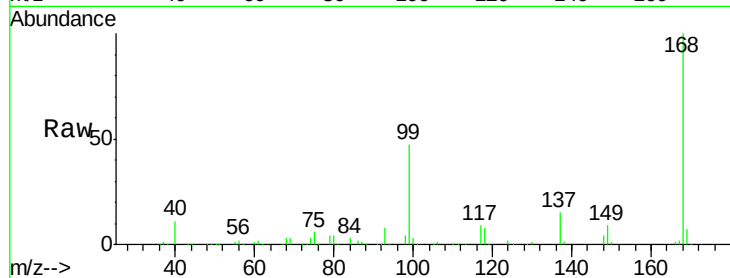
Tot Ion: 56 Resp: 3721

Ion Ratio Lower Upper

56 100

69 185.4 24.0 36.0#

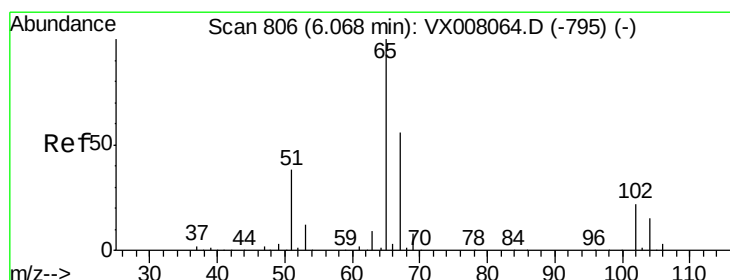
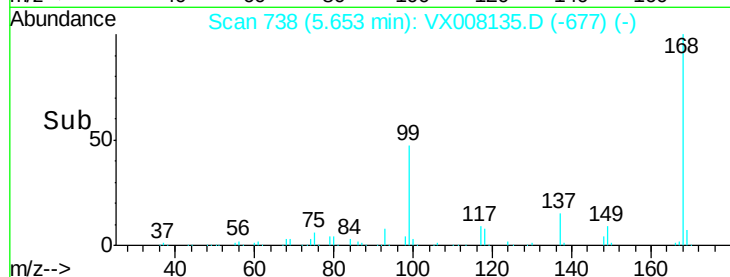
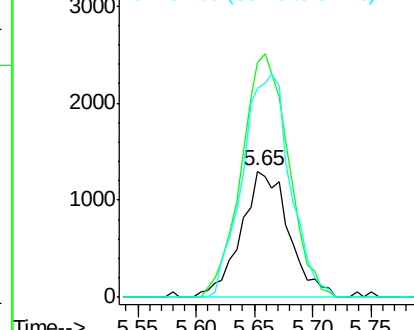
84 165.3 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.111 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008135.D

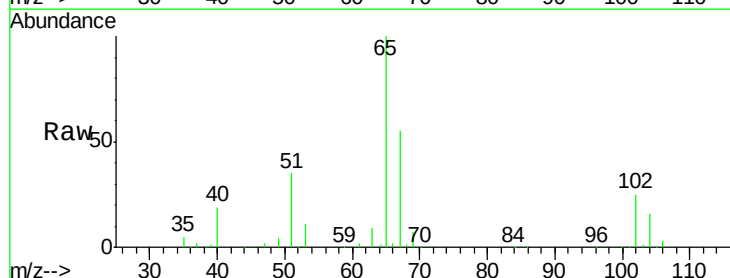
Acq: 16 Mar 2019 12:30

Tgt Ion: 65 Resp: 128117

Ion Ratio Lower Upper

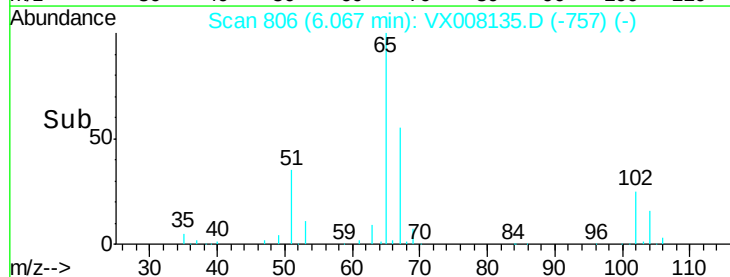
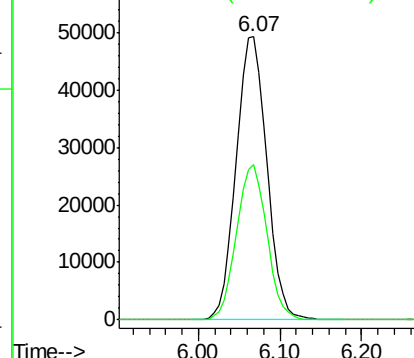
65 100

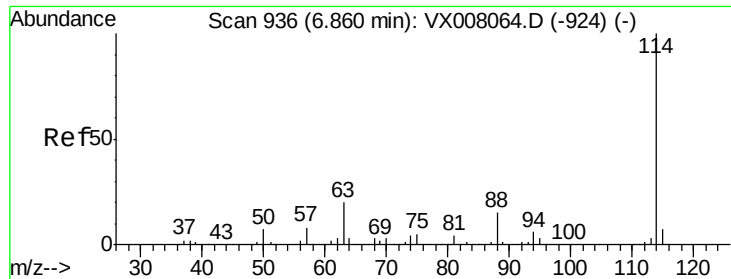
67 54.4 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

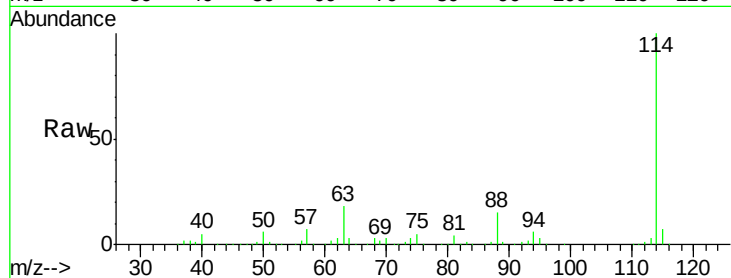




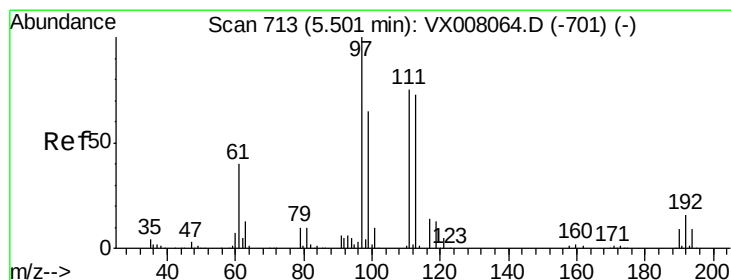
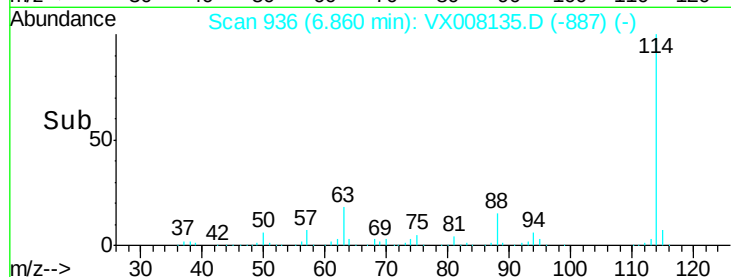
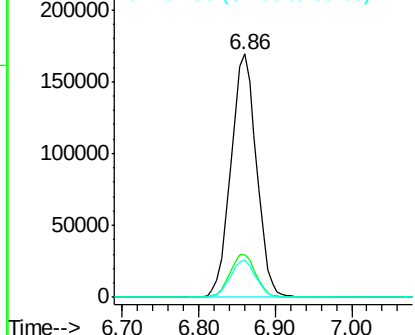
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008135.D
 Acq: 16 Mar 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBL01

Tot Ion:114 Resp: 391600
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 39.8
 88 15.3 0.0 31.4

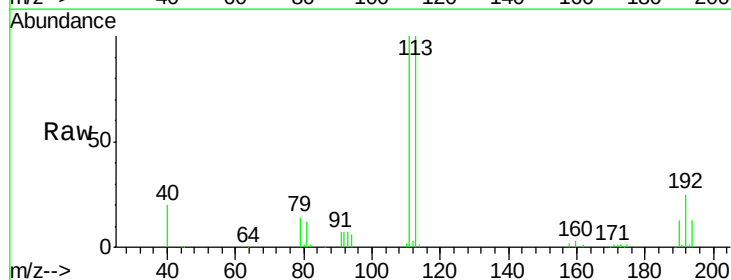


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

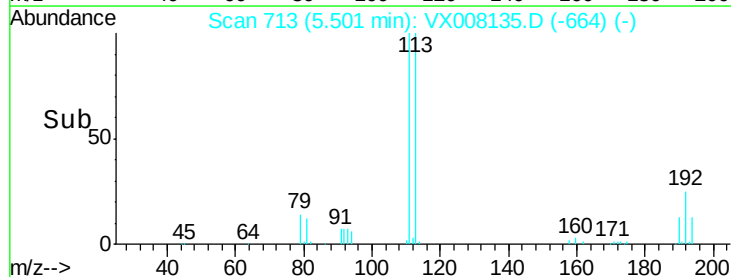
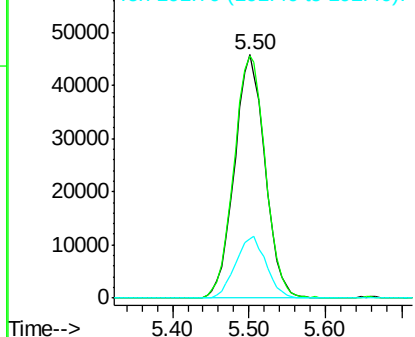


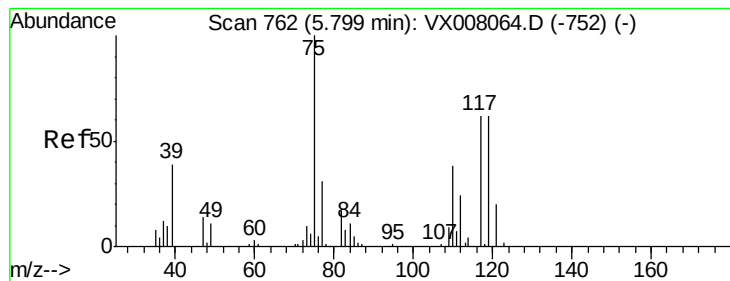
#35
 Dibromofluoromethane
 Concen: 50.864 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008135.D
 Acq: 16 Mar 2019 12:30

Tgt Ion:113 Resp: 126311
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.4 122.0
 192 25.5 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: 4.473 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008135.D

Acq: 16 Mar 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBL01

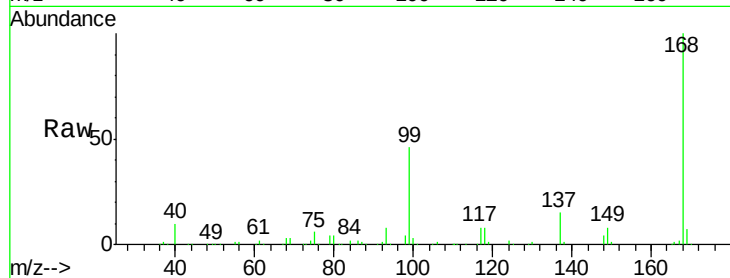
Tot Ion: 75 Resp: 14409

Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.0#

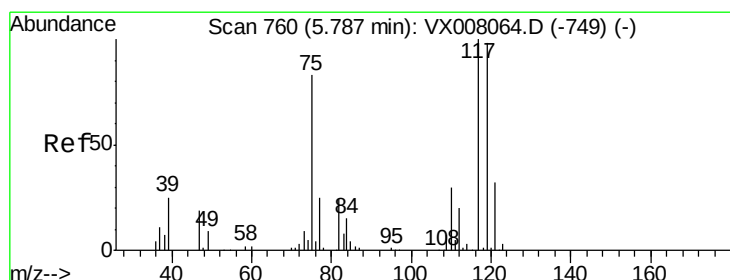
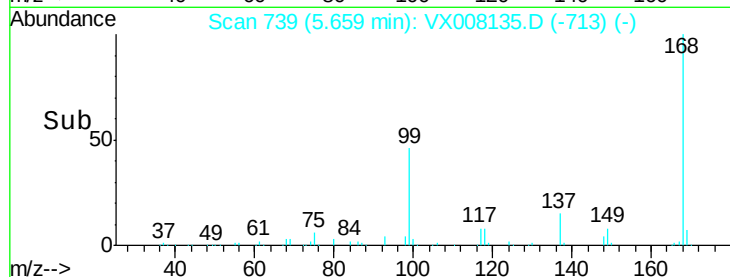
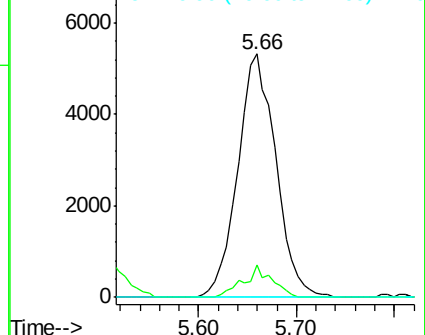
77 0.0 25.0 37.4#



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: 6.739 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008135.D

Acq: 16 Mar 2019 12:30

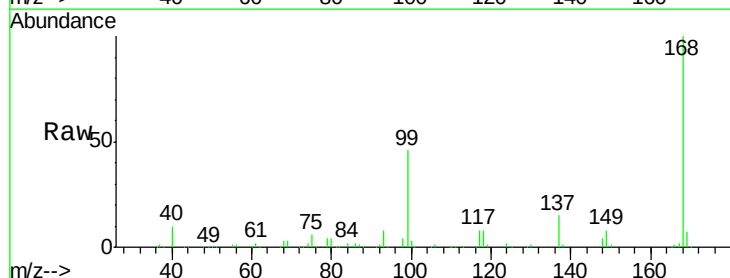
Tgt Ion: 117 Resp: 20897

Ion Ratio Lower Upper

117 100

119 6.7 76.2 114.2#

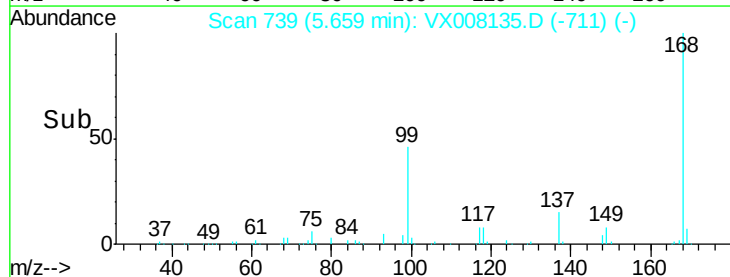
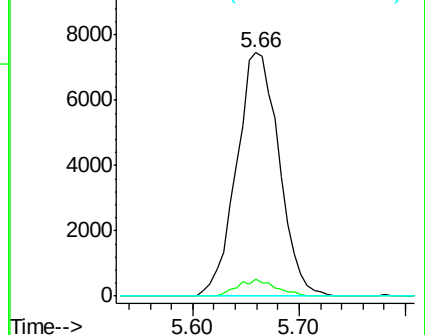
121 0.0 24.6 36.8#

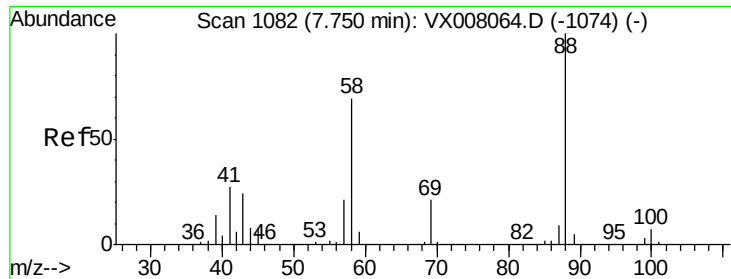


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.732 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.02 min

Lab File: VX008135.D

Acq: 16 Mar 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBL01

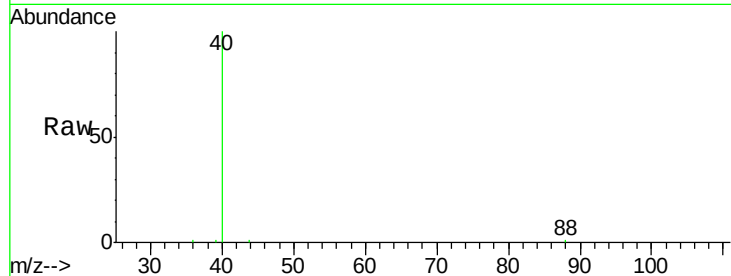
Tot Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

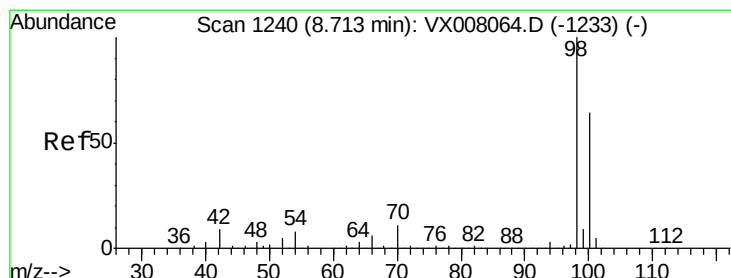
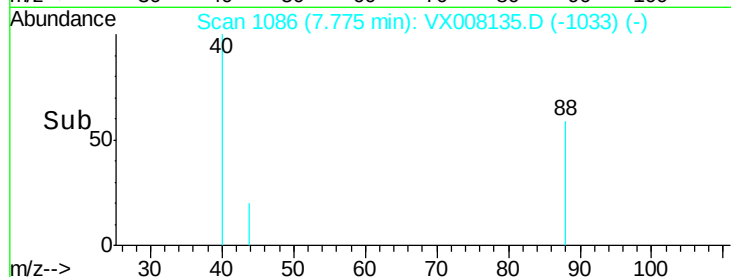
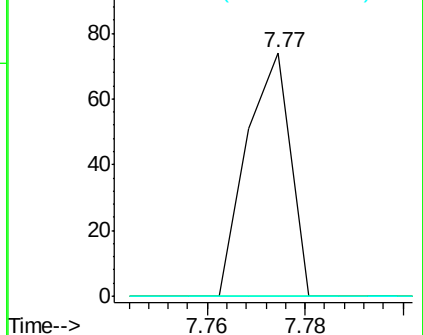
58 0.0 57.8 86.6#



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: 49.451 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008135.D

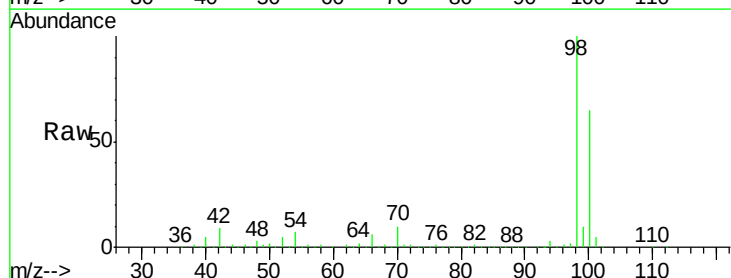
Acq: 16 Mar 2019 12:30

Tgt Ion: 98 Resp: 467056

Ion Ratio Lower Upper

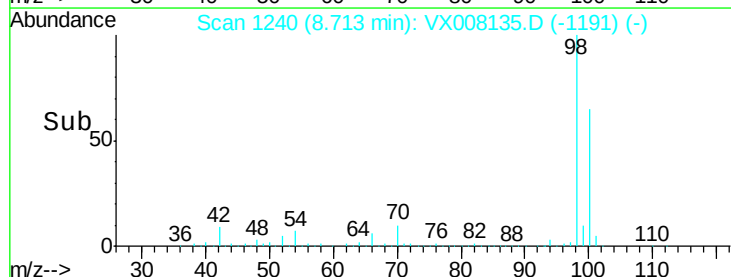
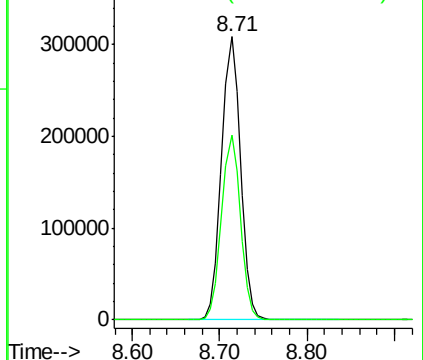
98 100

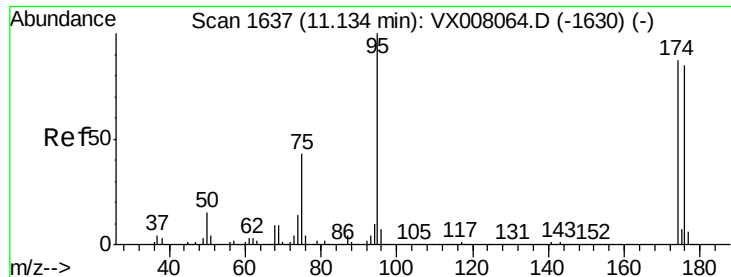
100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

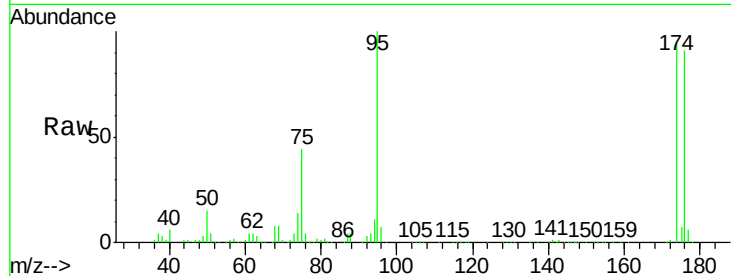




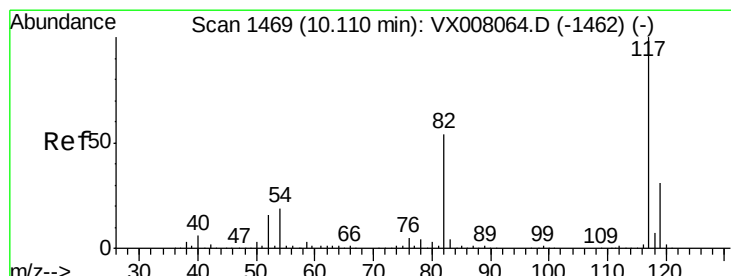
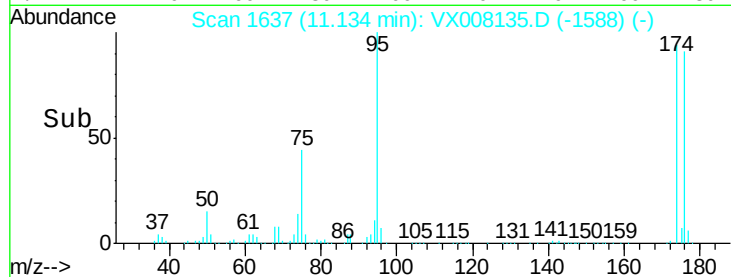
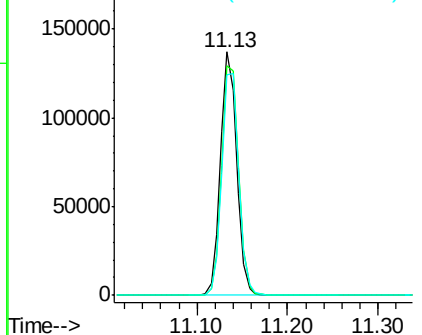
#62
4-Bromofluorobenzene
Concen: 50.700 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008135.D
Acq: 16 Mar 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBL01

Tot Ion: 95 Resp: 171542
Ion Ratio Lower Upper
95 100
174 99.0 0.0 182.8
176 95.9 0.0 178.0

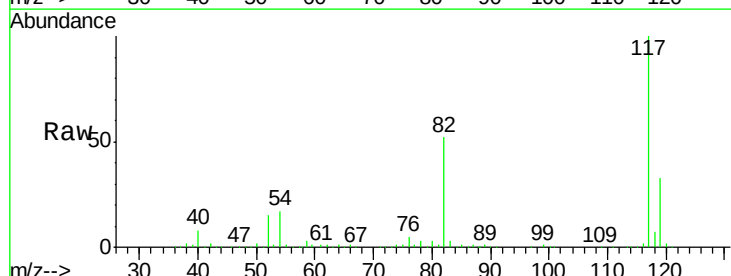


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

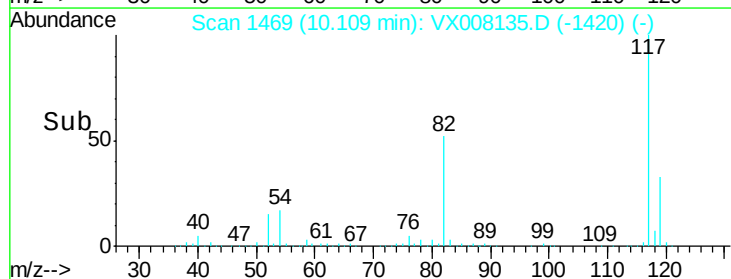
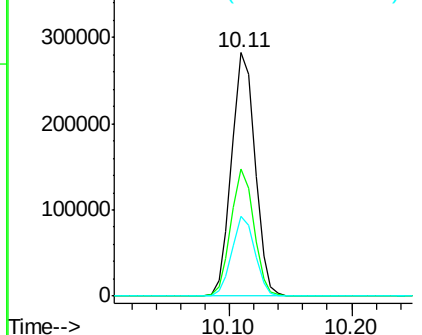


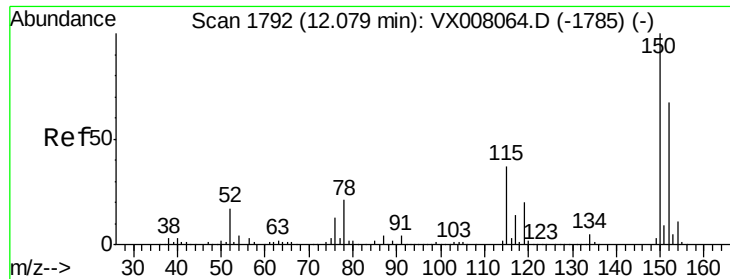
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008135.D
Acq: 16 Mar 2019 12:30

Tgt Ion: 117 Resp: 374153
Ion Ratio Lower Upper
117 100
82 52.4 44.3 66.5
119 32.6 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: VX008135.D

Acq: 16 Mar 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBL01

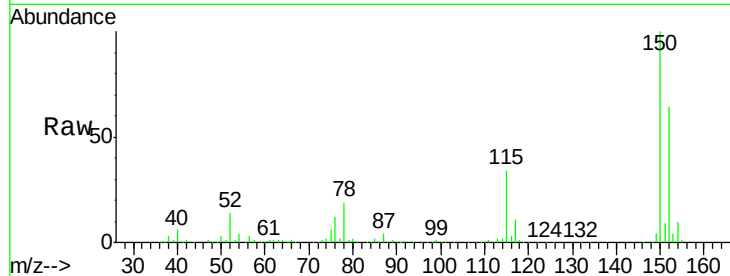
Tot Ion:152 Resp: 185649

Ion Ratio Lower Upper

152 100

115 54.1 38.6 115.7

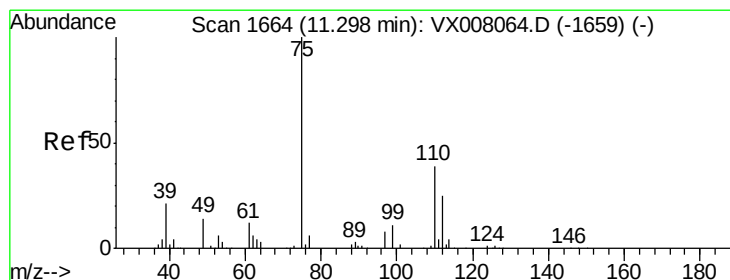
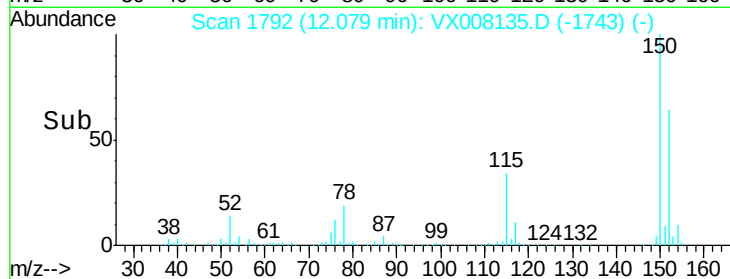
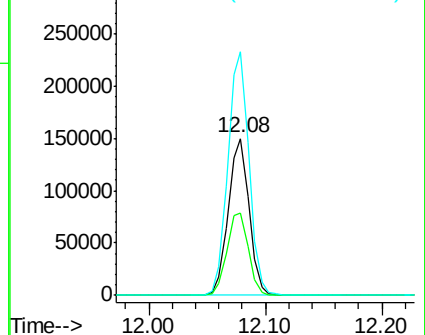
150 156.5 0.0 348.4



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: 23.467 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008135.D

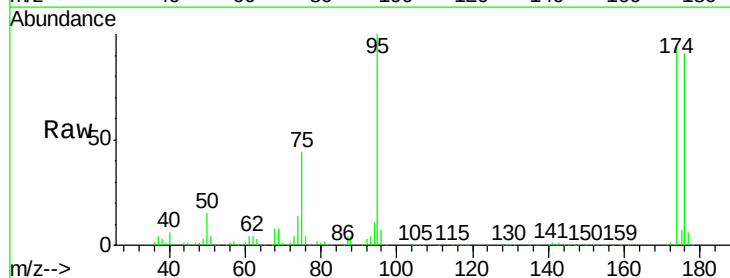
Acq: 16 Mar 2019 12:30

Tgt Ion: 75 Resp: 75661

Ion Ratio Lower Upper

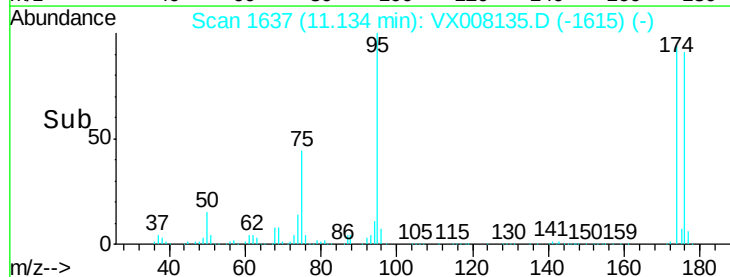
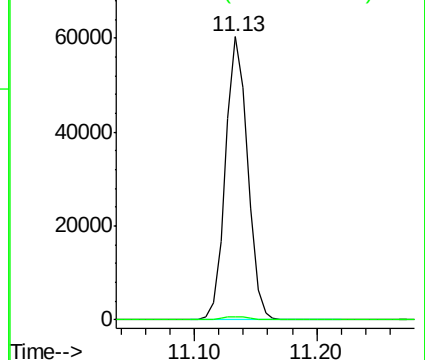
75 100

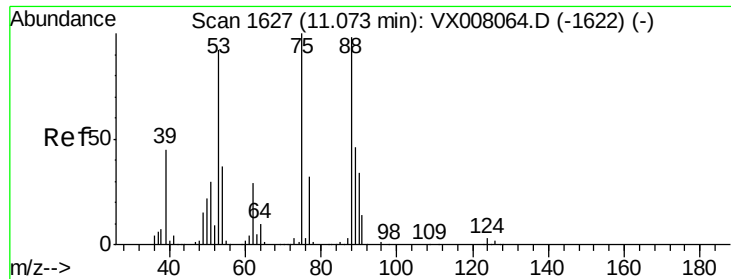
77 1.3 18.9 56.7#



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: 66.778 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008135.D

Acq: 16 Mar 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBL01

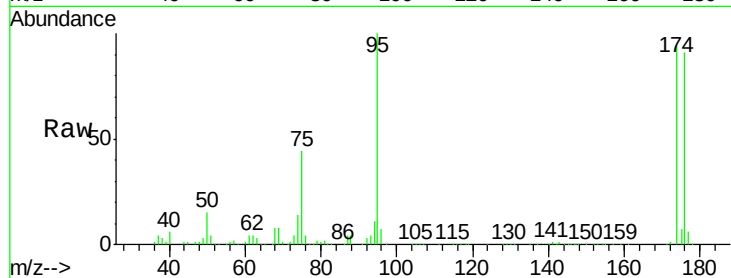
Tot Ion: 75 Resp: 75661

Ion Ratio Lower Upper

75 100

53 0.1 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

