

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031419\
 Data File : VX008078.D
 Acq On : 14 Mar 2019 19:21
 Operator : JC/SP
 Sample : VX0314WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBL02

Quant Time: Mar 15 04:26:42 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	329258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	502484	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	474939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	235827	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	162230	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
35) Dibromofluoromethane	5.51	113	158362	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
50) Toluene-d8	8.71	98	603377	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.13	95	222444	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	

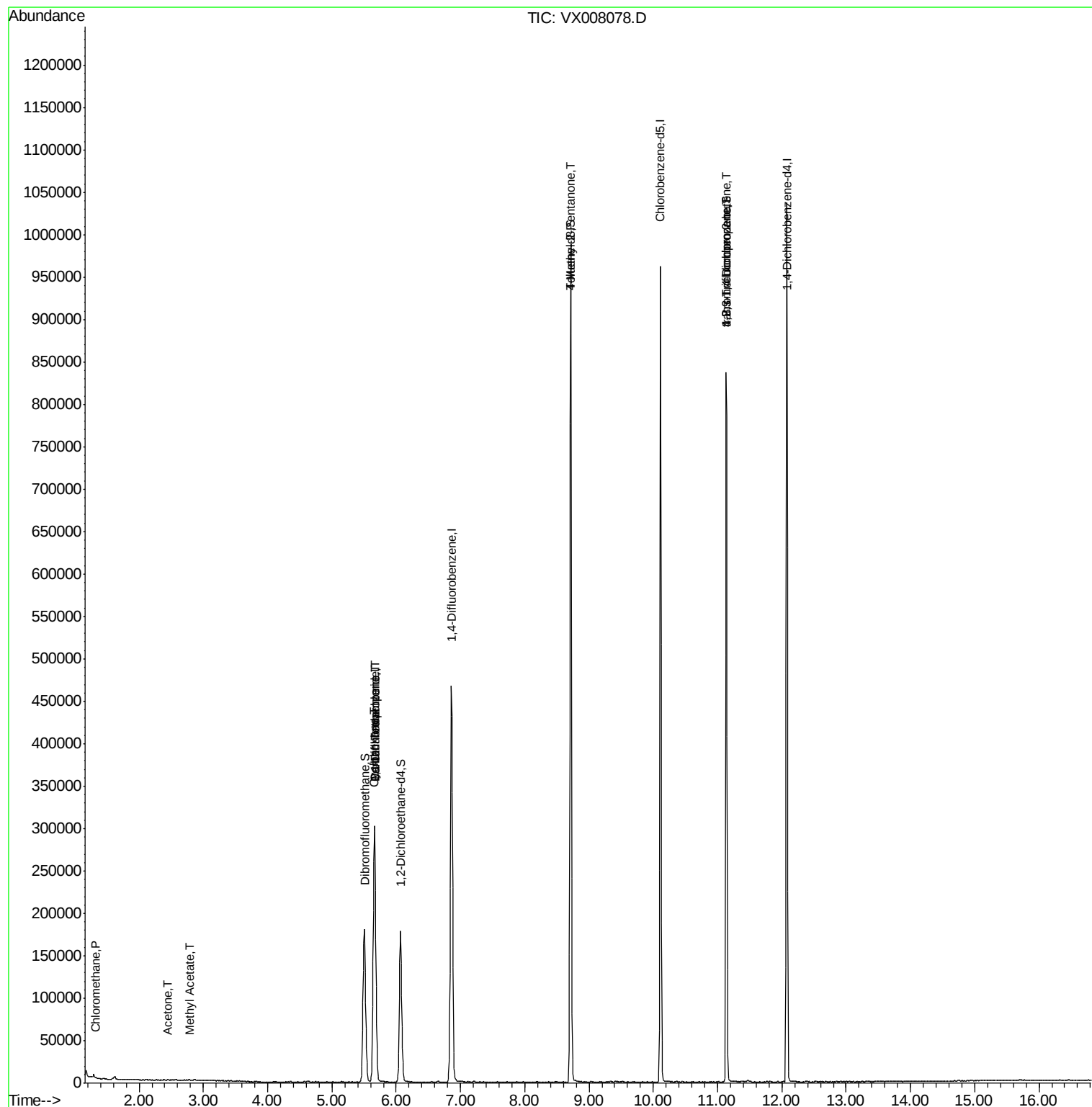
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	621	0.200	ug/l #	84
5) Bromomethane	1.65	94	210	Below Cal		95
6) Chloroethane	1.71	64	745	Below Cal	#	83
16) Acetone	2.44	43	558	0.356	ug/l #	43
18) Methyl Acetate	2.78	43	744	0.220	ug/l	100
31) Cyclohexane	5.65	56	4567	0.962	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18579	4.494	ug/l #	49
38) Carbon Tetrachloride	5.66	117	27325	6.867	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	2109	0.447	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	99284	24.241	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	99284	68.983	ug/l #	11

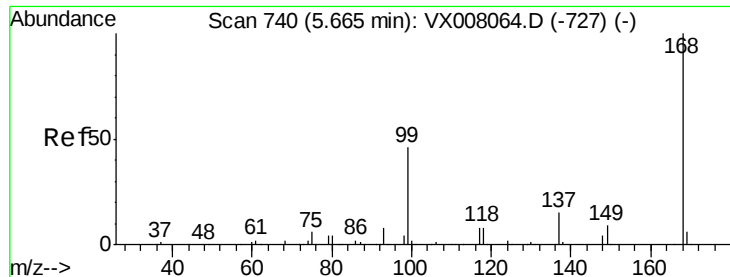
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008078.D

Acq: 14 Mar 2019 19:21

Instrument :

MSVOA_X

ClientSampled :

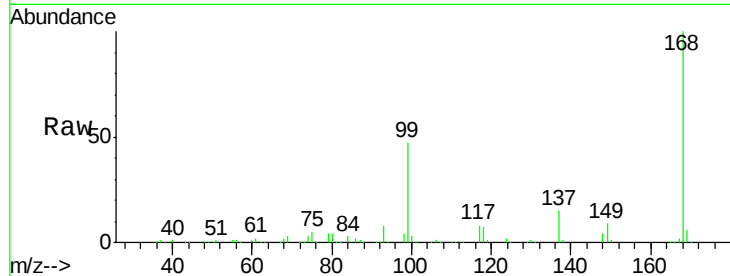
VX0314WBL02

Tot Ion:168 Resp: 329258

Ion Ratio Lower Upper

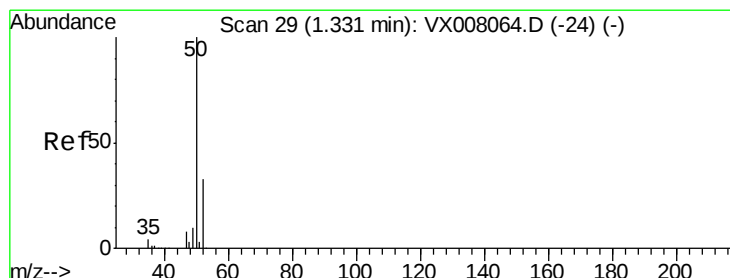
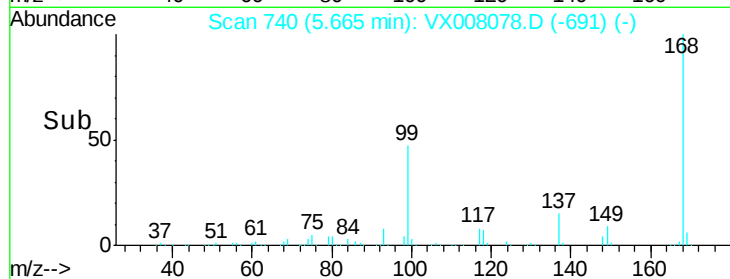
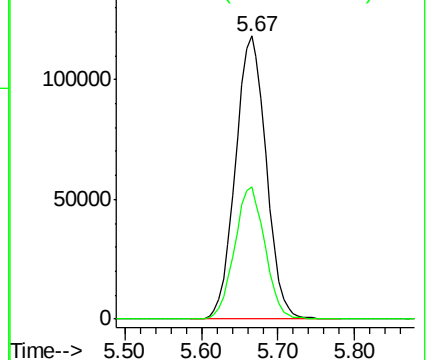
168 100

99 46.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.200 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008078.D

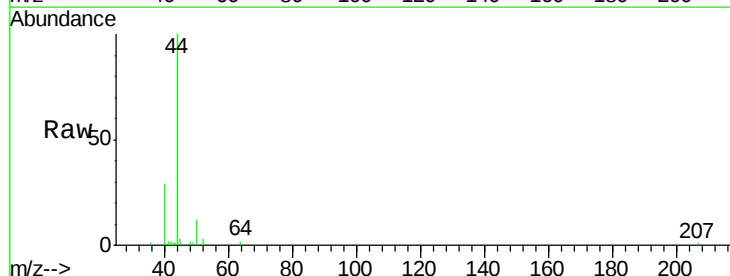
Acq: 14 Mar 2019 19:21

Tgt Ion: 50 Resp: 621

Ion Ratio Lower Upper

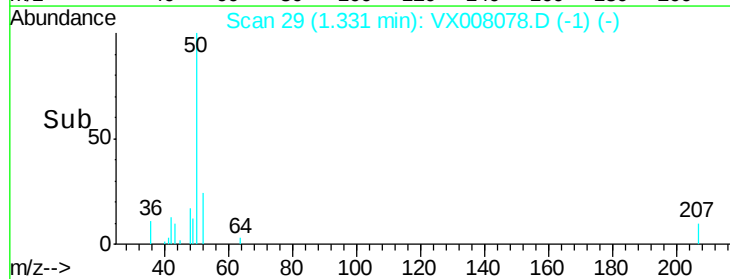
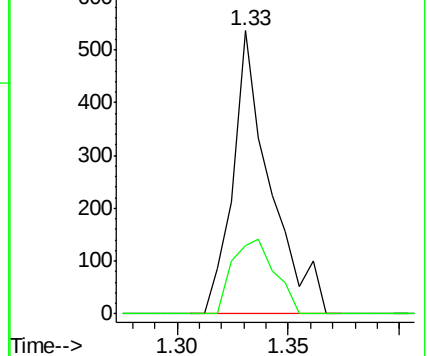
50 100

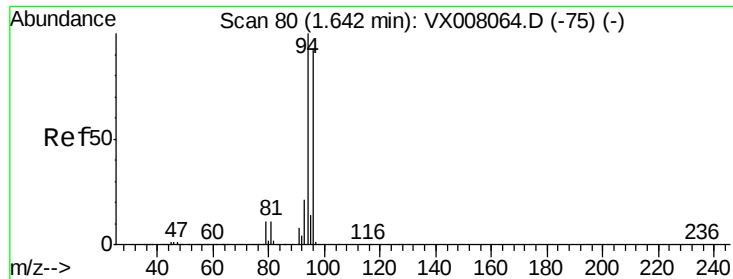
52 24.3 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008078.D

Acq: 14 Mar 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

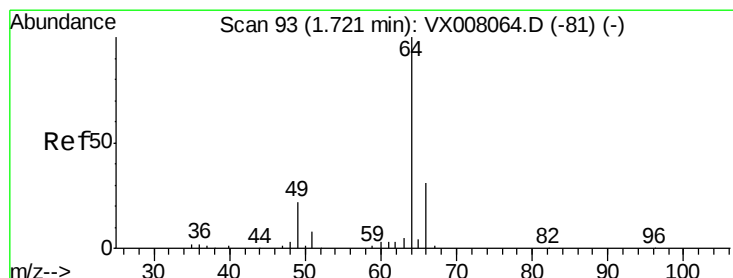
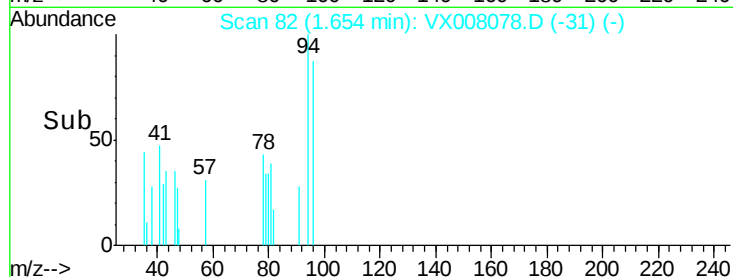
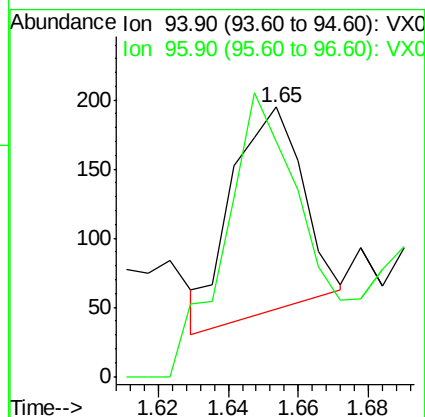
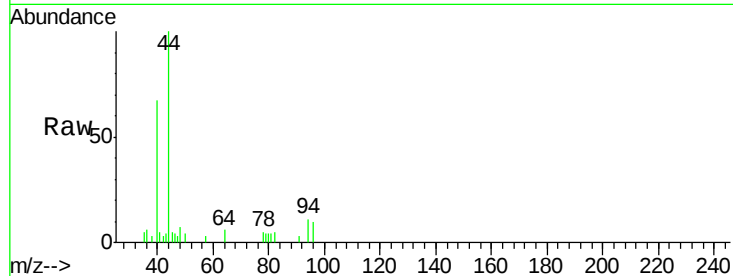
VX0314WBL02

Tot Ion: 94 Resp: 210

Ion Ratio Lower Upper

94 100

96 89.4 75.5 113.3



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX008078.D

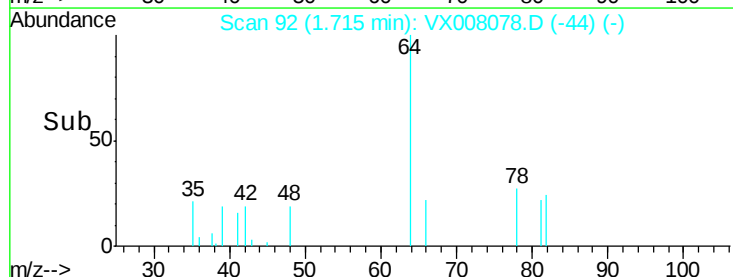
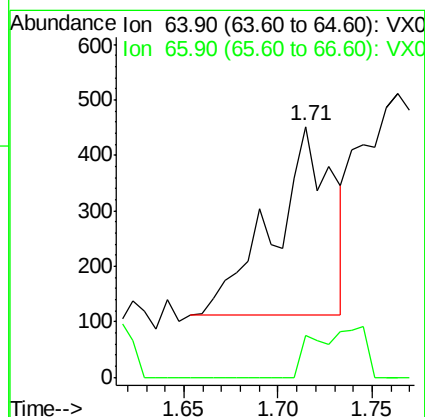
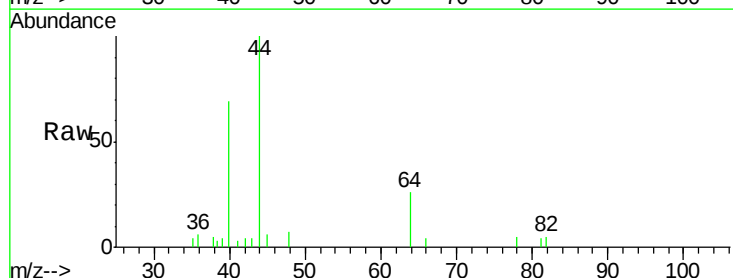
Acq: 14 Mar 2019 19:21

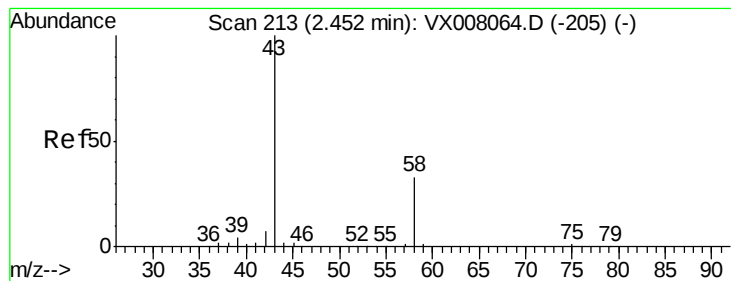
Tgt Ion: 64 Resp: 745

Ion Ratio Lower Upper

64 100

66 22.0 25.2 37.8#





#16

Acetone

Concen: 0.356 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008078.D

Acq: 14 Mar 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

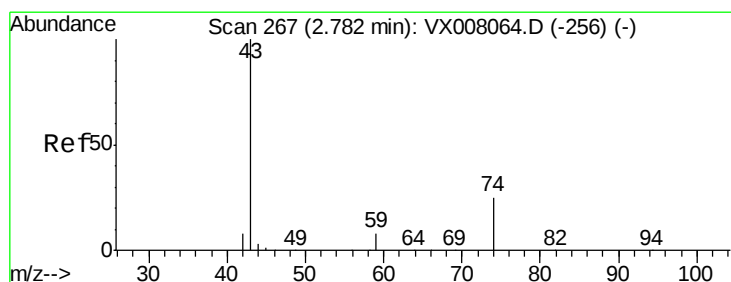
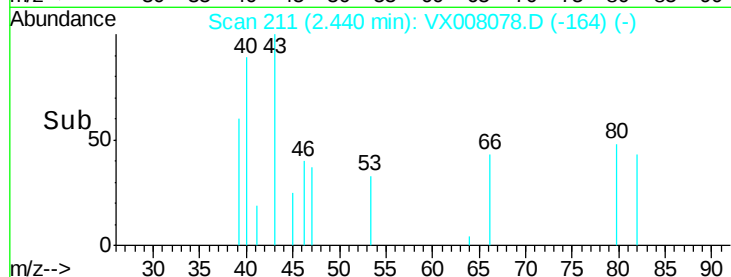
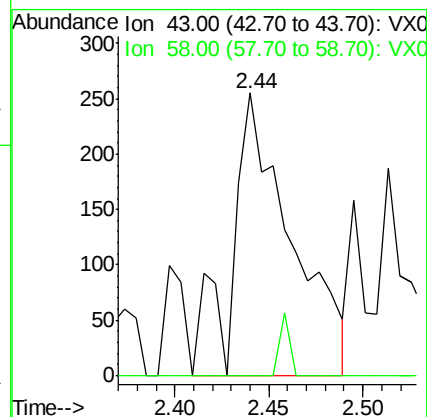
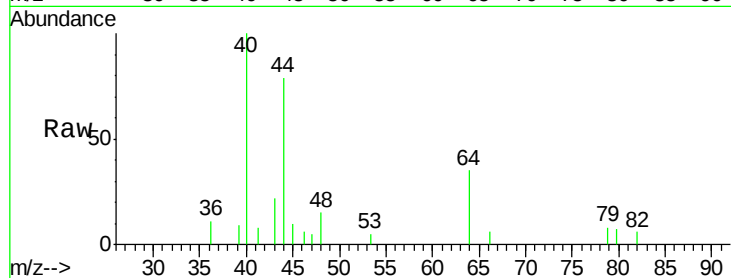
VX0314WBL02

Tot Ion: 43 Resp: 558

Ion Ratio Lower Upper

43 100

58 0.0 25.5 38.3#



#18

Methyl Acetate

Concen: 0.220 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX008078.D

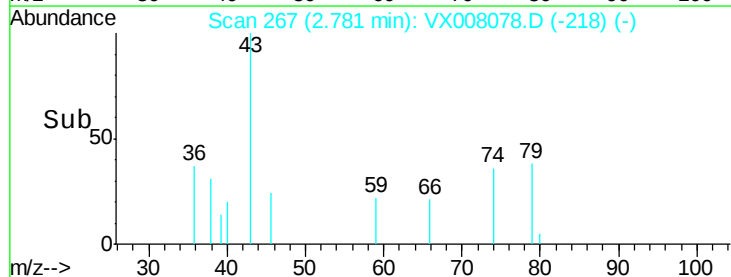
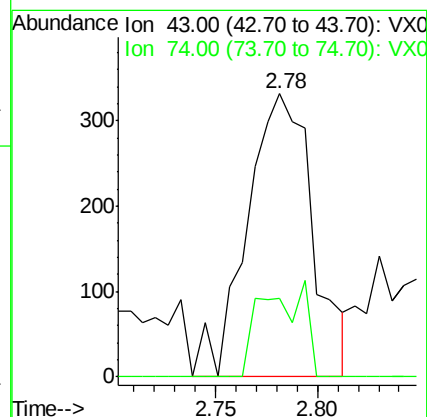
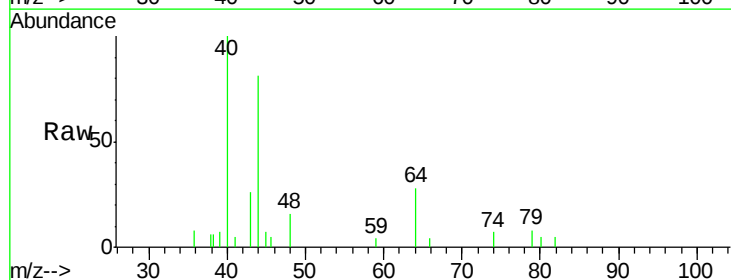
Acq: 14 Mar 2019 19:21

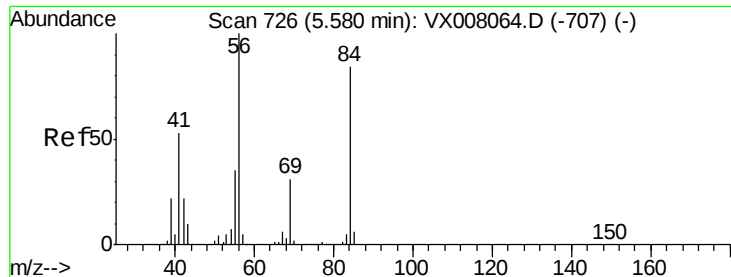
Tgt Ion: 43 Resp: 744

Ion Ratio Lower Upper

43 100

74 22.2 17.8 26.6

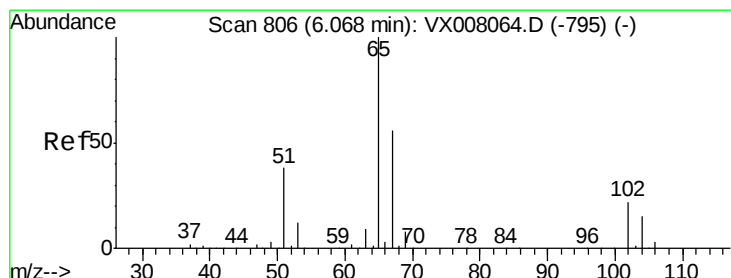
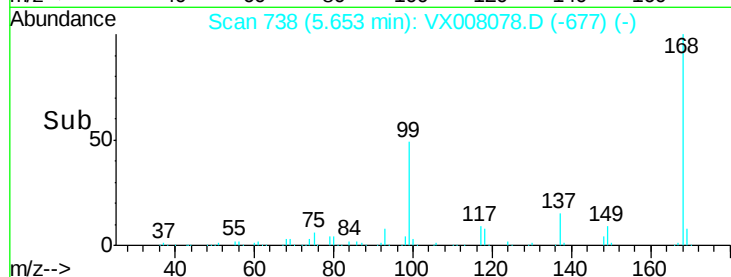
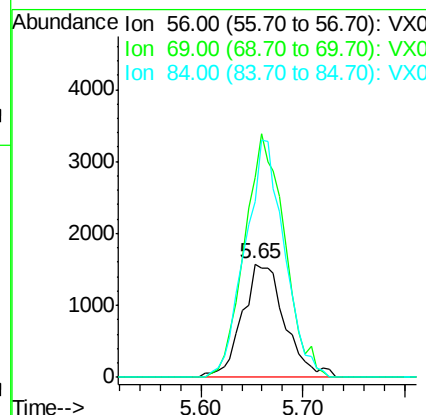
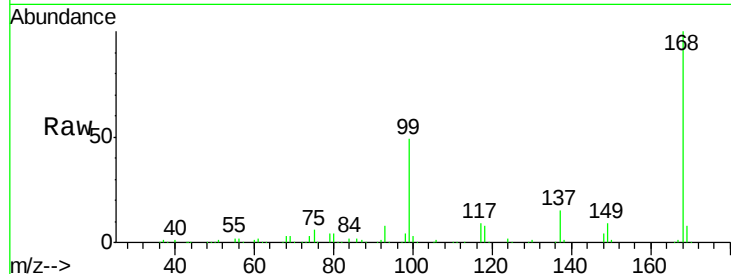




#31
Cyclohexane
Concen: 0.962 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX008078.D
Acq: 14 Mar 2019 19:21

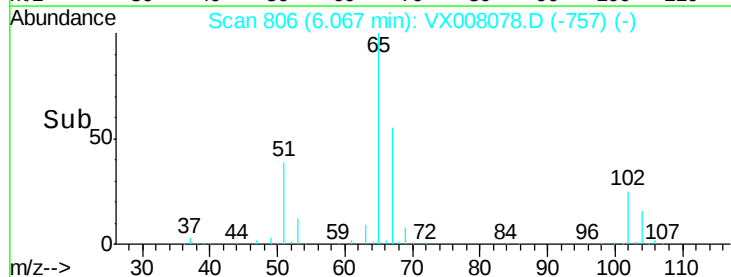
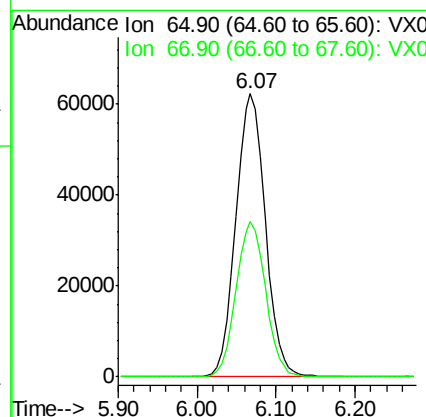
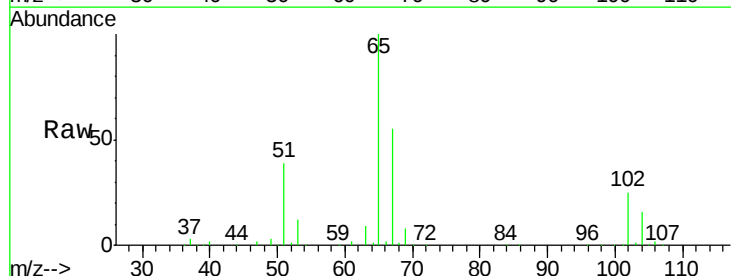
Instrument :
MSVOA_X
ClientSampleId :
VX0314WBL02

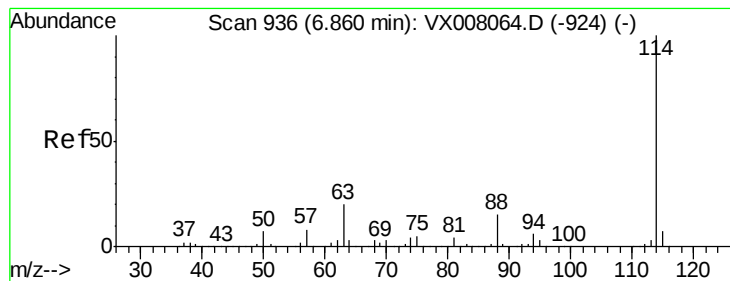
Tot Ion: 56 Resp: 4567
Ion Ratio Lower Upper
56 100
69 176.2 24.0 36.0#
84 155.0 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 48.844 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX008078.D
Acq: 14 Mar 2019 19:21

Tgt Ion: 65 Resp: 162230
Ion Ratio Lower Upper
65 100
67 55.1 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: VX008078.D

Acq: 14 Mar 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBL02

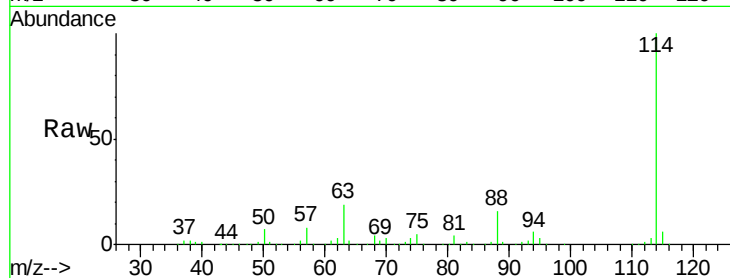
Tot Ion:114 Resp: 502484

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.8

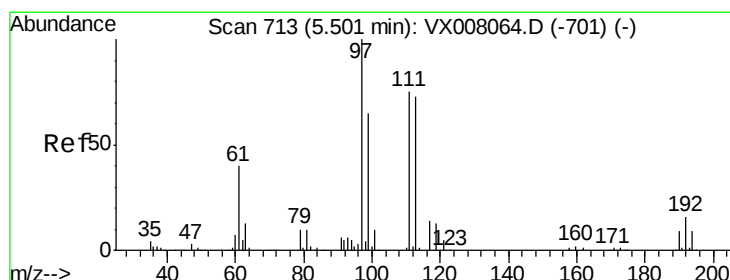
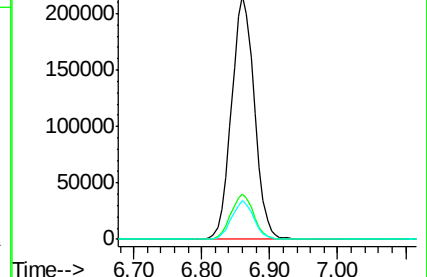
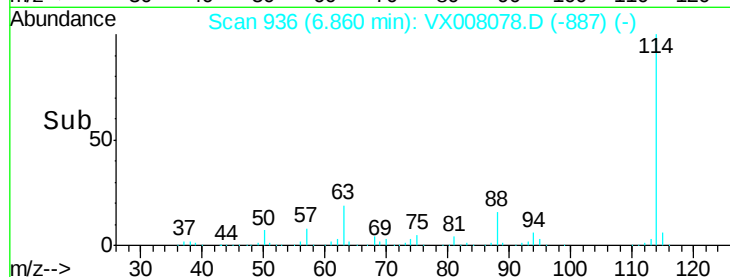
88 15.8 0.0 31.4



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



#35

Dibromofluoromethane

Concen: 49.698 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008078.D

Acq: 14 Mar 2019 19:21

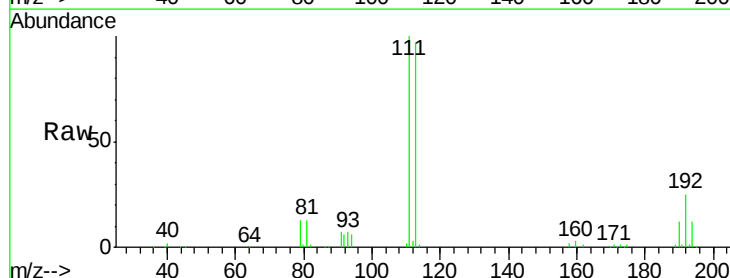
Tgt Ion:113 Resp: 158362

Ion Ratio Lower Upper

113 100

111 101.0 81.4 122.0

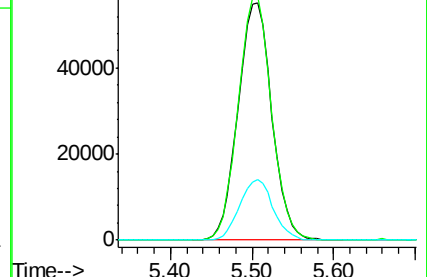
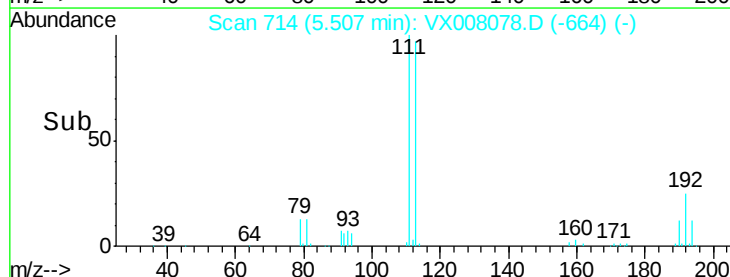
192 25.2 19.4 29.0

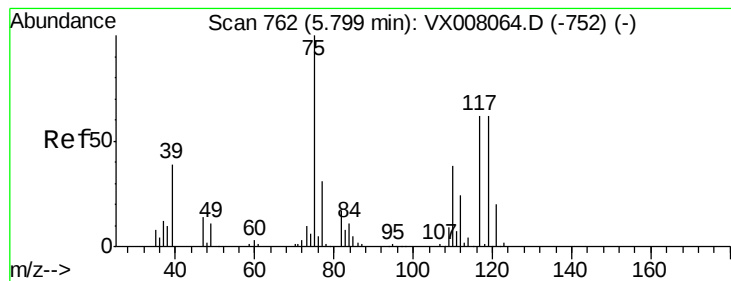


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.494 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008078.D

Acq: 14 Mar 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBL02

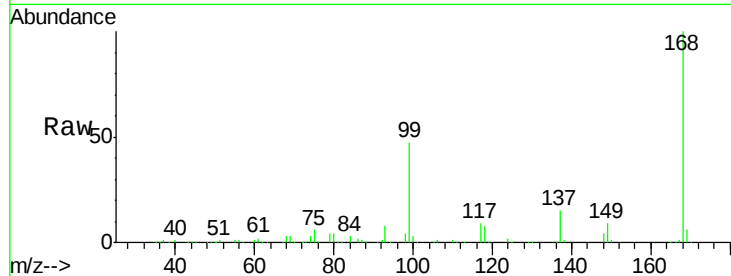
Tot Ion: 75 Resp: 18579

Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.0#

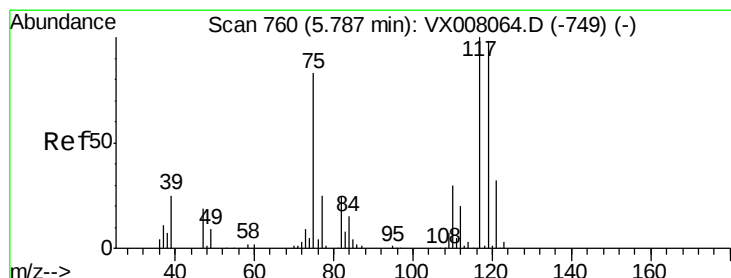
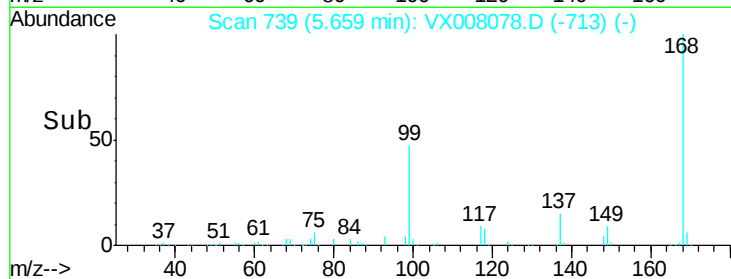
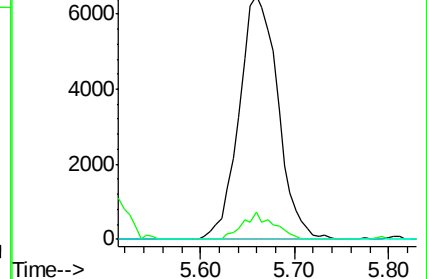
77 0.0 25.0 37.4#



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: 6.867 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008078.D

Acq: 14 Mar 2019 19:21

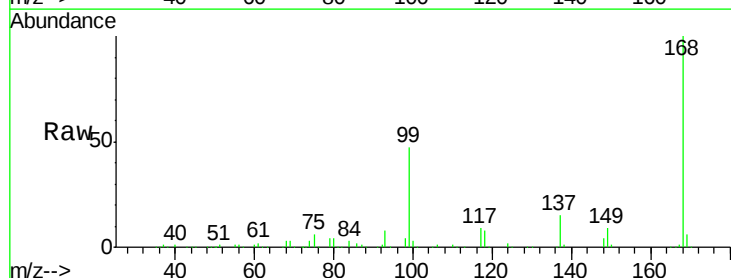
Tgt Ion: 117 Resp: 27325

Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.2#

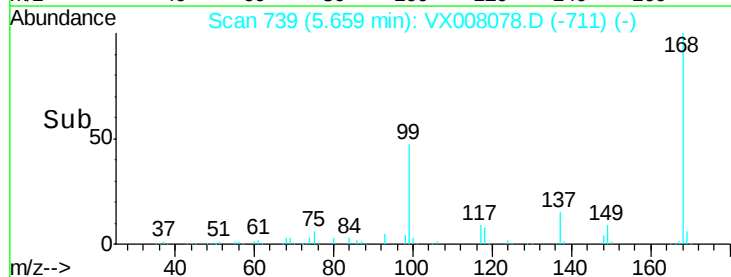
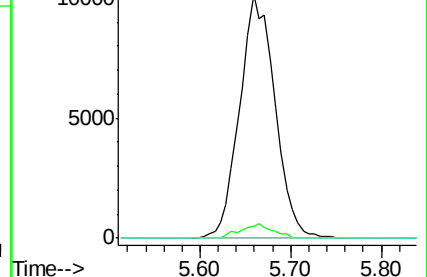
121 0.0 24.6 36.8#

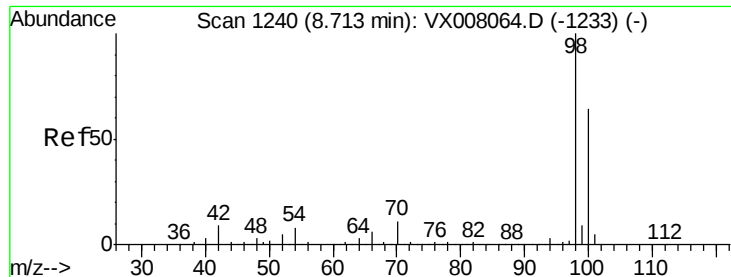


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.787 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008078.D

Acq: 14 Mar 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

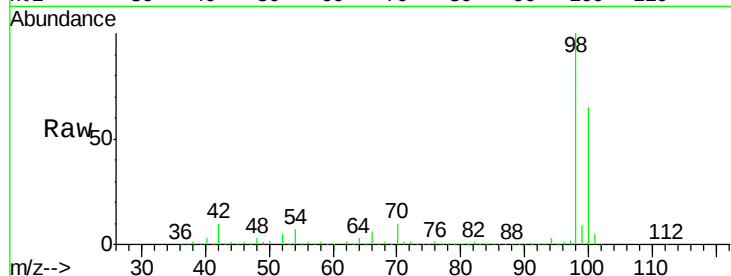
VX0314WBL02

Tot Ion: 98 Resp: 603377

Ion Ratio Lower Upper

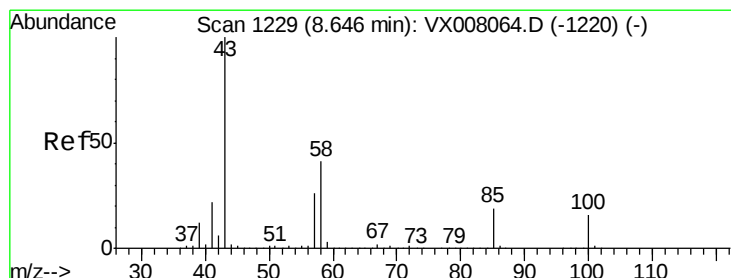
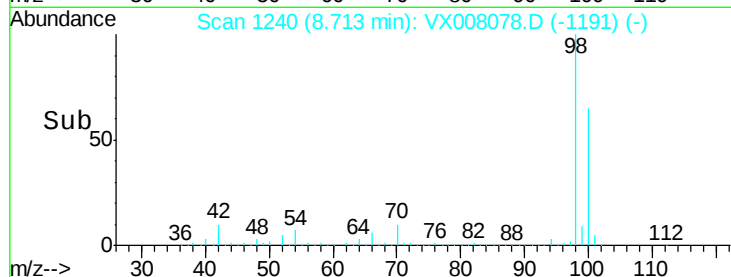
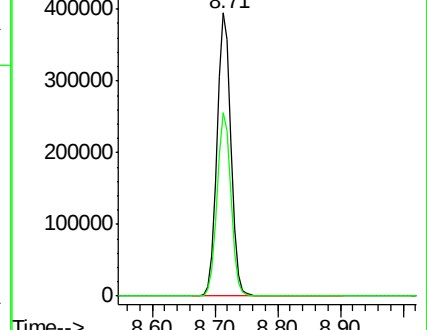
98 100

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): VX



#51

4-Methyl-2-Pentanone

Concen: 0.447 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX008078.D

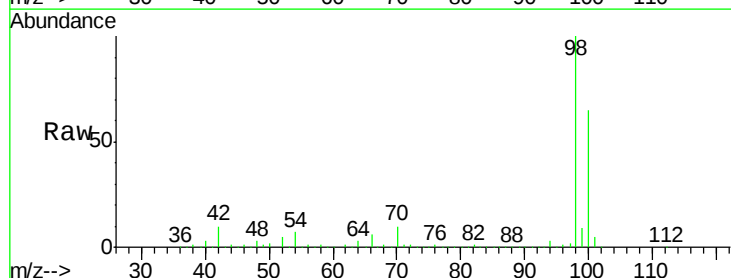
Acq: 14 Mar 2019 19:21

Tgt Ion: 43 Resp: 2109

Ion Ratio Lower Upper

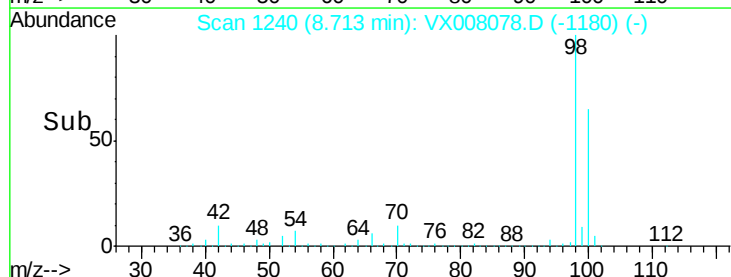
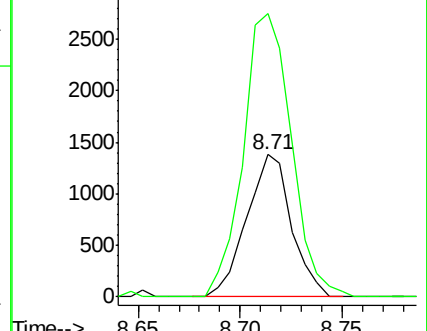
43 100

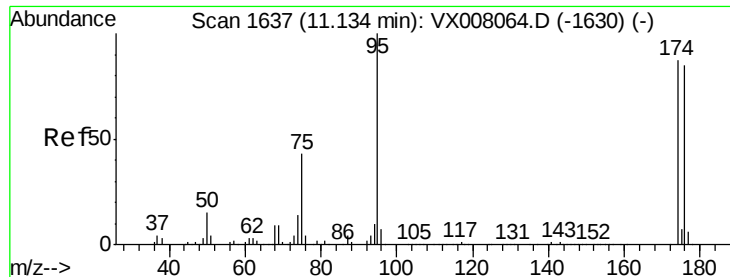
58 212.8 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 51.237 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008078.D

Acq: 14 Mar 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBL02

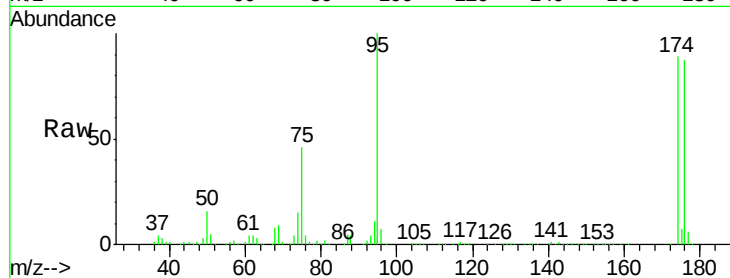
Tot Ion: 95 Resp: 222444

Ion Ratio Lower Upper

95 100

174 94.5 0.0 182.8

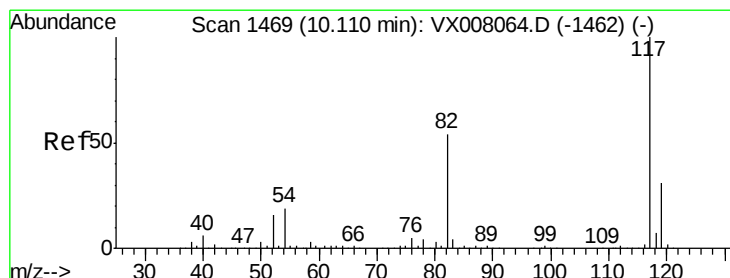
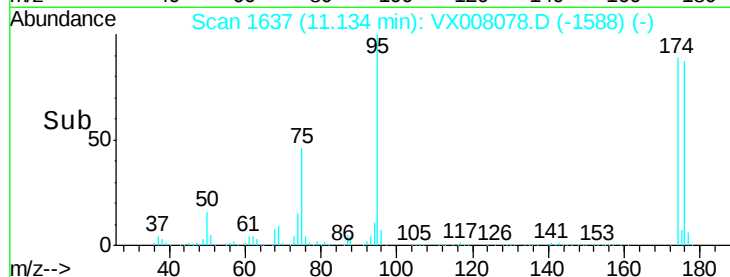
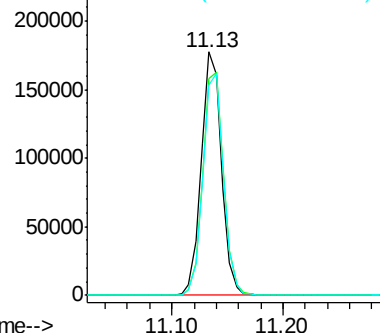
176 92.7 0.0 178.0



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: VX008078.D

Acq: 14 Mar 2019 19:21

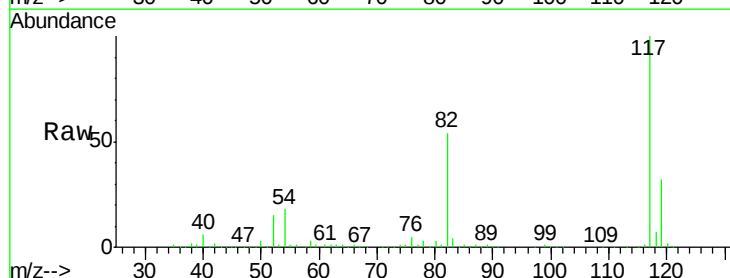
Tgt Ion: 117 Resp: 474939

Ion Ratio Lower Upper

117 100

82 53.8 44.3 66.5

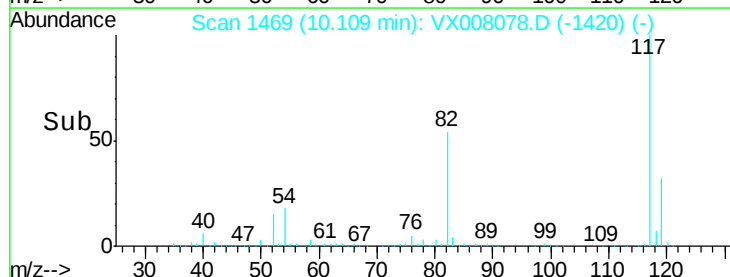
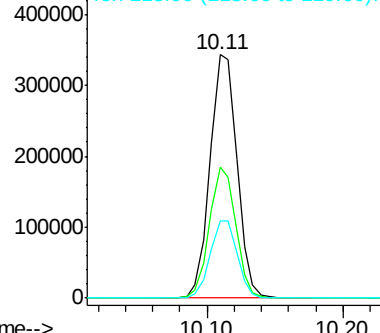
119 31.5 25.3 37.9

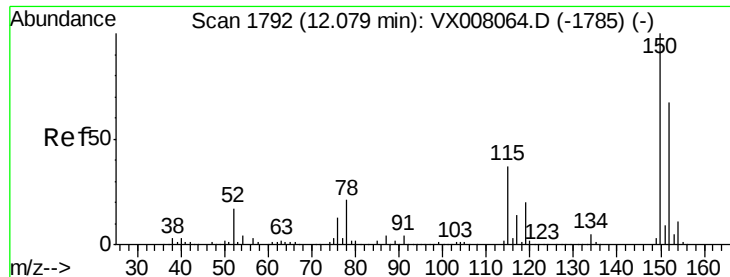


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX008078.D

Acq: 14 Mar 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBL02

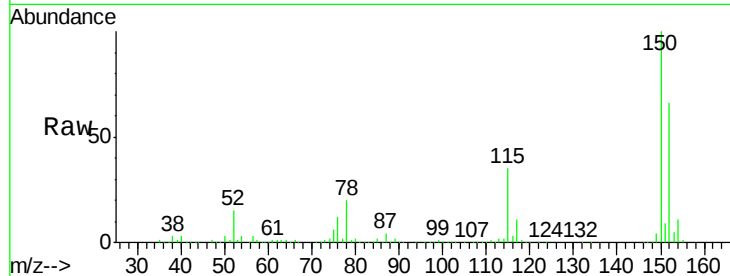
Tot Ion:152 Resp: 235827

Ion Ratio Lower Upper

152 100

115 54.4 38.6 115.7

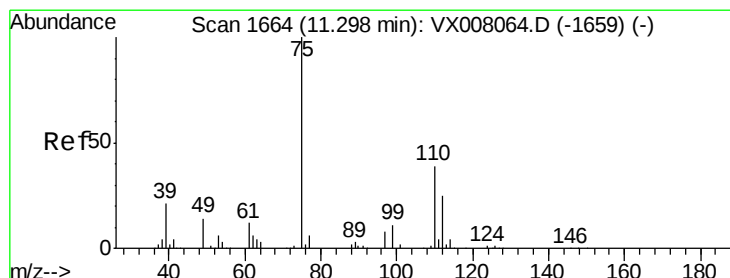
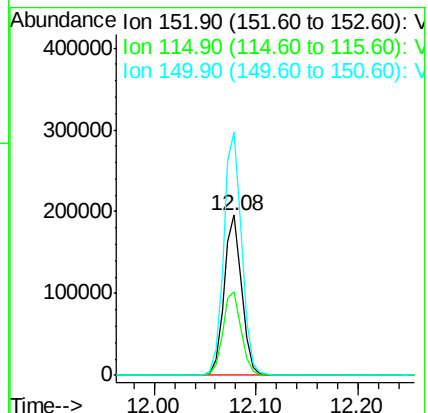
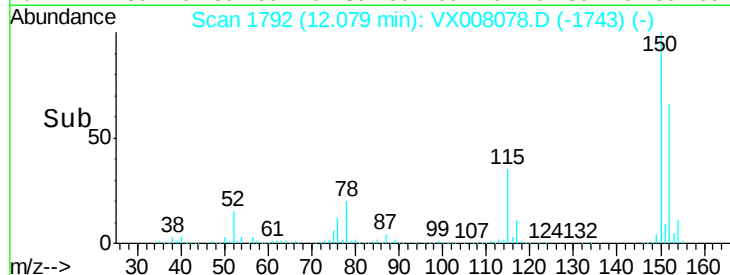
150 154.9 0.0 348.4



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: 24.241 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008078.D

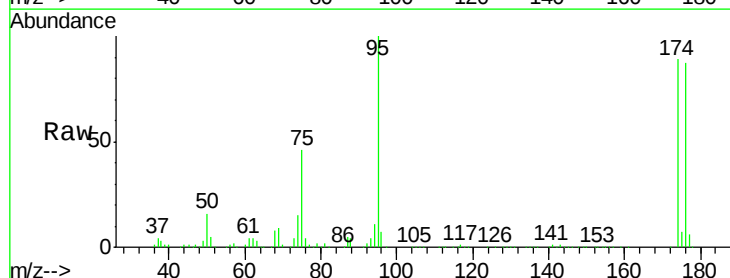
Acq: 14 Mar 2019 19:21

Tgt Ion: 75 Resp: 99284

Ion Ratio Lower Upper

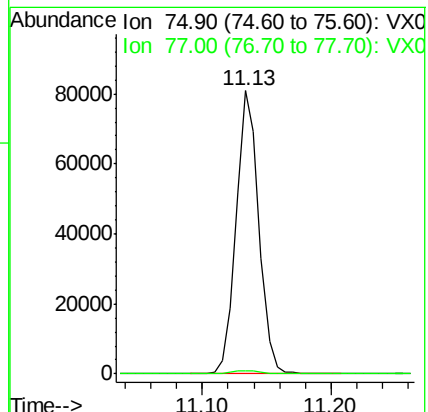
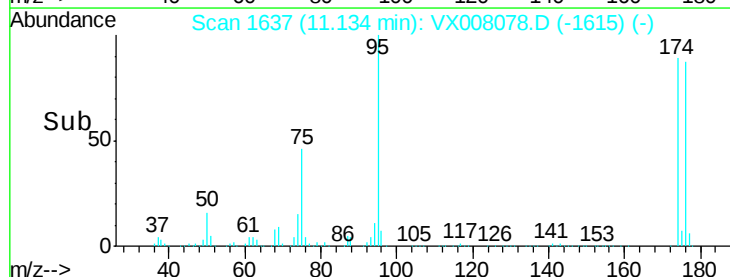
75 100

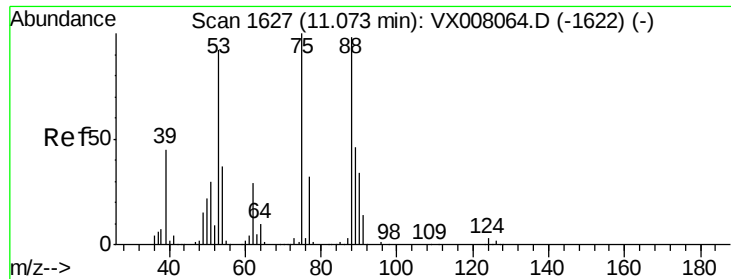
77 1.4 18.9 56.7#



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: 68.983 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008078.D

Acq: 14 Mar 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBL02

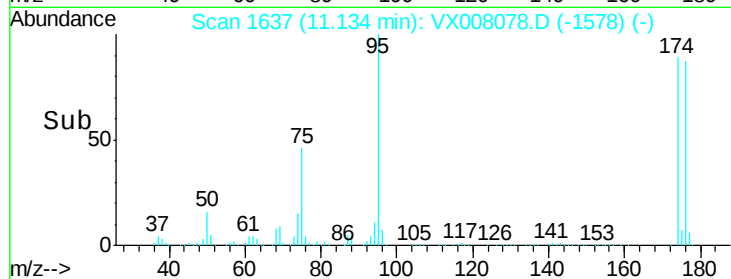
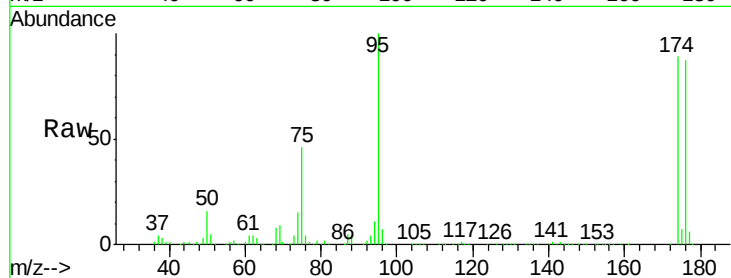
Tot Ion: 75 Resp: 99284

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

