

Data File : VX008796.D
Acq On : 10 Apr 2019 11:40
Operator : JC/SP
Sample : VX0410WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0410WBL01

Quant Time: Apr 11 05:37:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	205784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	338941	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	295312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	127377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	138447	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
35) Dibromofluoromethane	5.49	113	101979	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
50) Toluene-d8	8.71	98	423394	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.13	95	143224	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	

Target Compounds

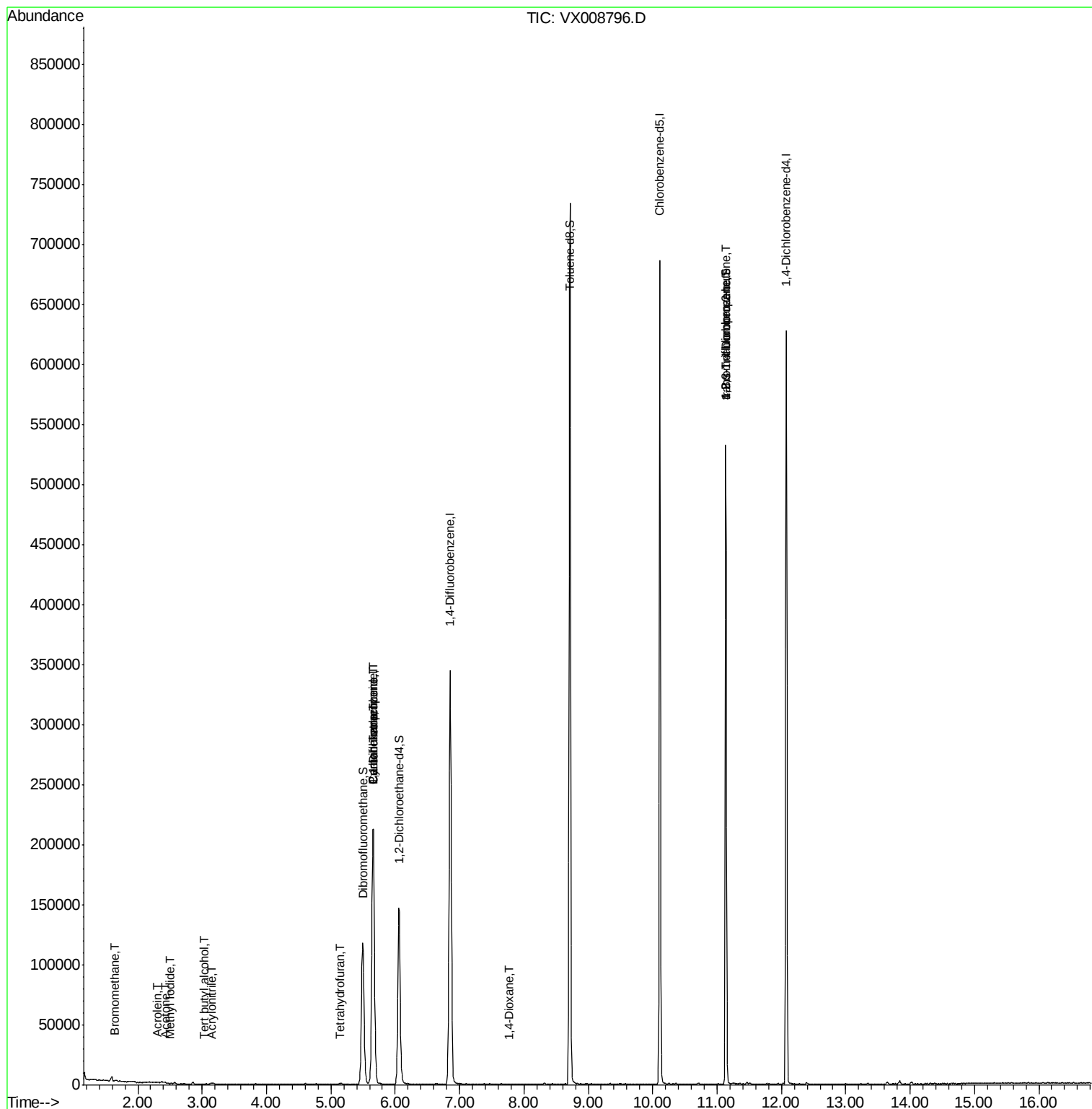
						Qvalue
3) Chloromethane	1.32	50	481	Below Cal	#	62
5) Bromomethane	1.64	94	440	2.154	ug/l #	29
6) Chloroethane	1.67	64	46	Below Cal	#	9
10) Methyl Iodide	2.51	142	410	4.185	ug/l #	62
11) Tert butyl alcohol	3.04	59	249	0.354	ug/l #	72
13) Acrolein	2.29	56	375	1.076	ug/l #	65
15) Acrylonitrile	3.14	53	536	0.288	ug/l #	86
16) Acetone	2.43	43	743	0.430	ug/l	99
17) Carbon Disulfide	2.57	76	1333	Below Cal	#	90
28) Bromochloromethane	5.02	49	133	Below Cal	#	22
29) Tetrahydrofuran	5.14	42	621	0.342	ug/l #	61
31) Cyclohexane	5.66	56	4635	0.894	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	16531	4.462	ug/l #	51
38) Carbon Tetrachloride	5.65	117	19695	6.423	ug/l #	16
49) 1,4-Dioxane	7.76	88	77	1.049	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	72417	20.695	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	72417	57.048	ug/l #	9

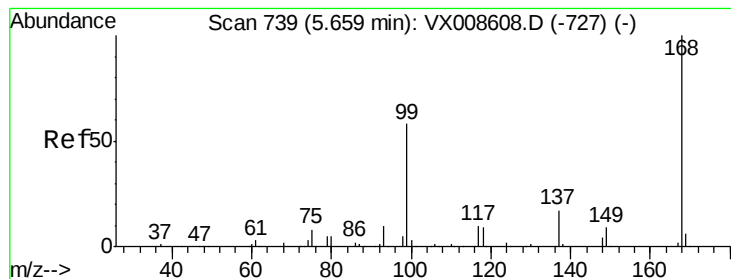
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008796.D

Acq: 10 Apr 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

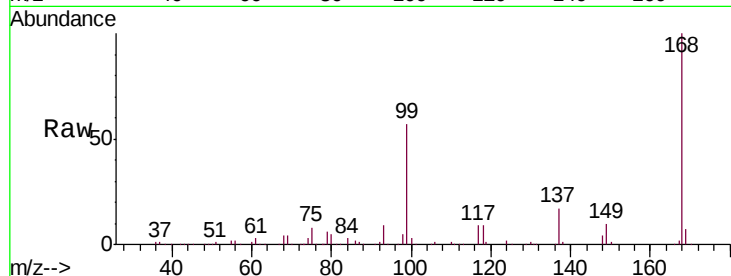
VX0410WBL01

Tgt Ion:168 Resp: 205784

Ion Ratio Lower Upper

168 100

99 56.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

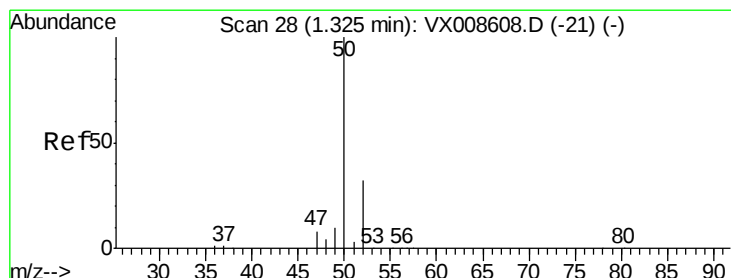
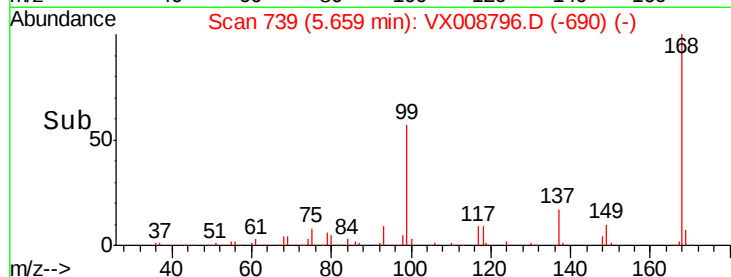
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008796.D

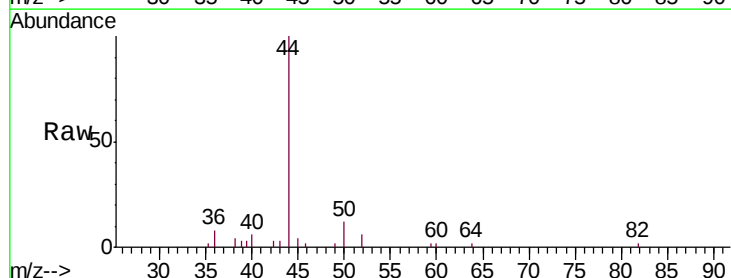
Acq: 10 Apr 2019 11:40

Tgt Ion: 50 Resp: 481

Ion Ratio Lower Upper

50 100

52 53.8 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

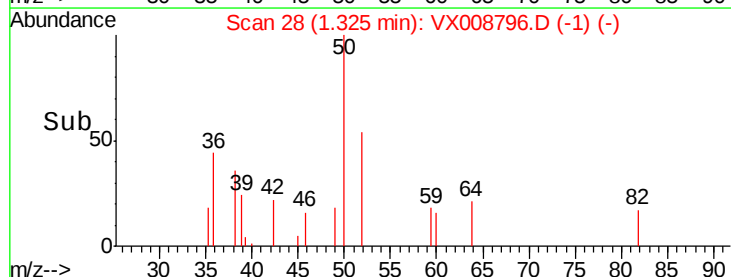
200

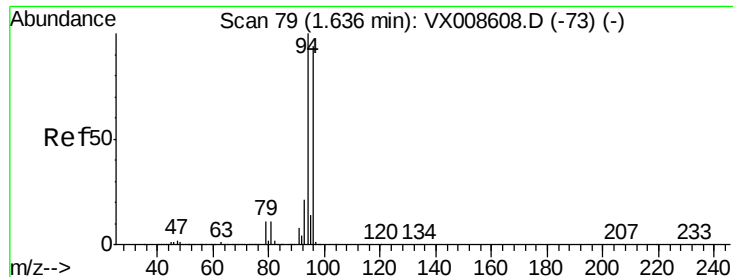
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 2.154 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008796.D

Acq: 10 Apr 2019 11:40

Instrument :

MSVOA_X

ClientSampled :

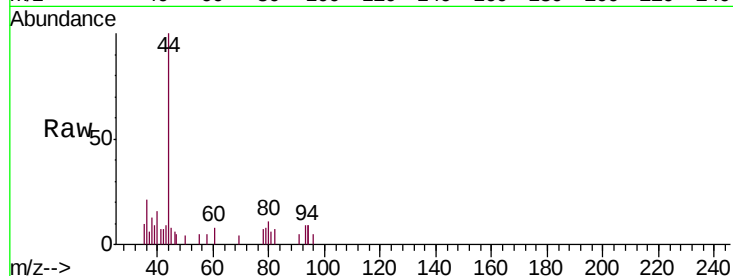
VX0410WBL01

Tgt Ion: 94 Resp: 440

Ion Ratio Lower Upper

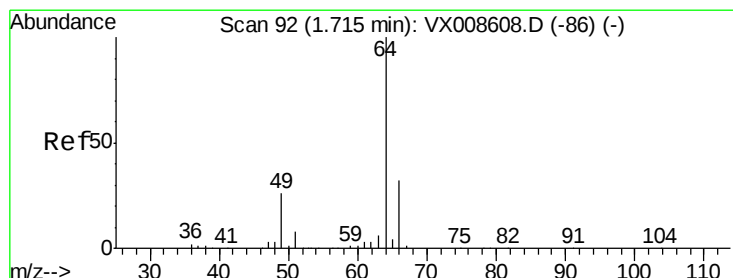
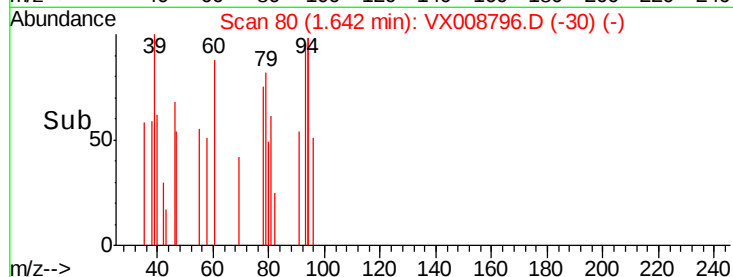
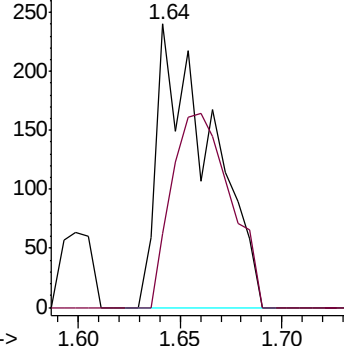
94 100

96 25.8 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 85

Delta R.T. -0.04 min

Lab File: VX008796.D

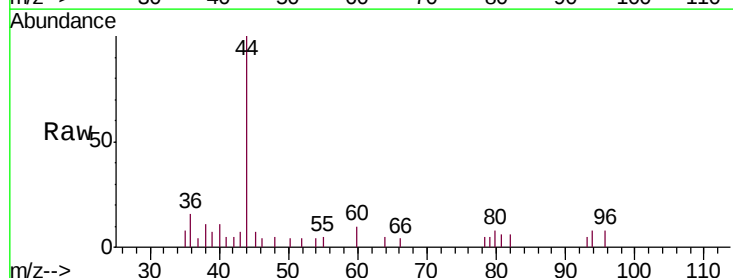
Acq: 10 Apr 2019 11:40

Tgt Ion: 64 Resp: 46

Ion Ratio Lower Upper

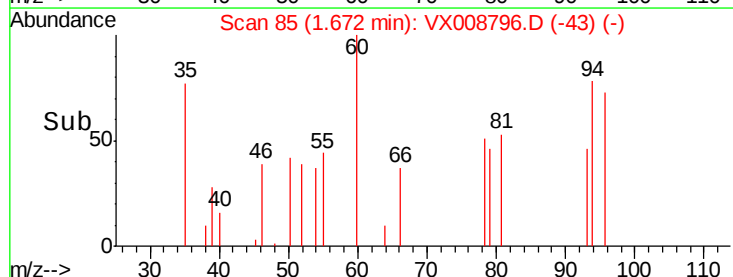
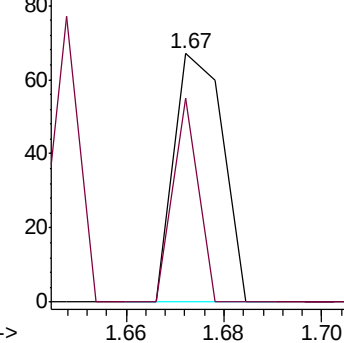
64 100

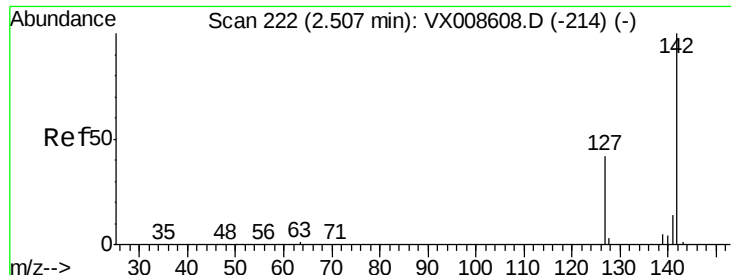
66 82.1 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

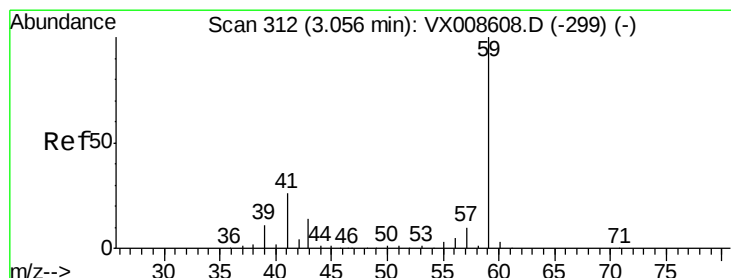
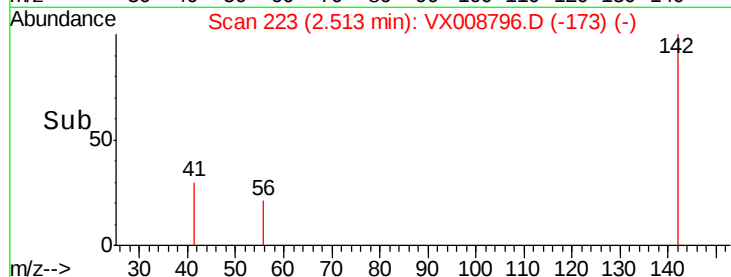
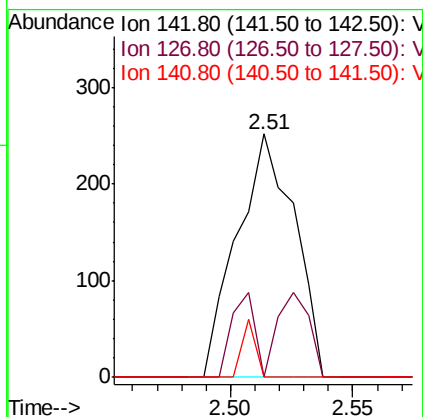
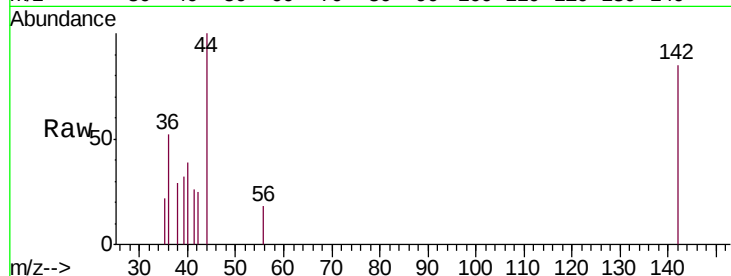




#10
Methyl Iodide
Concen: 4.185 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008796.D
Acq: 10 Apr 2019 11:40

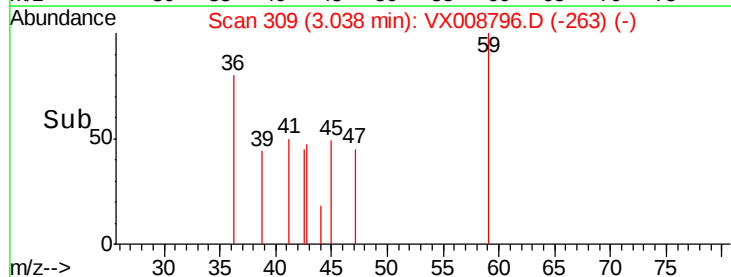
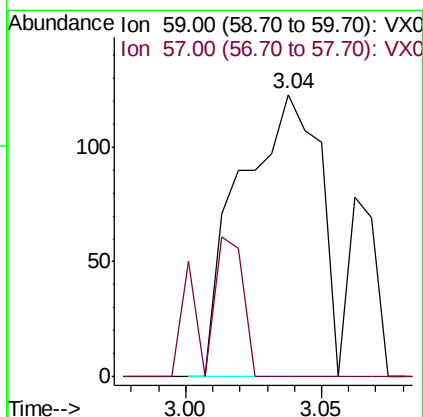
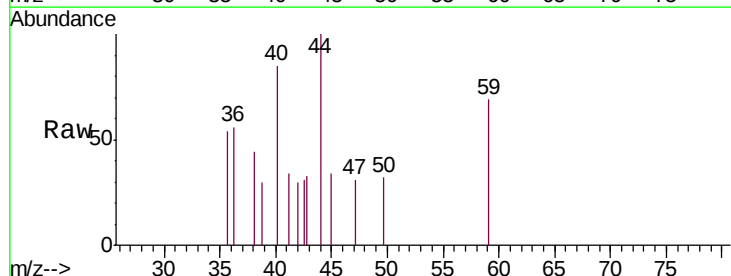
Instrument :
MSVOA_X
ClientSampleId :
VX0410WBL01

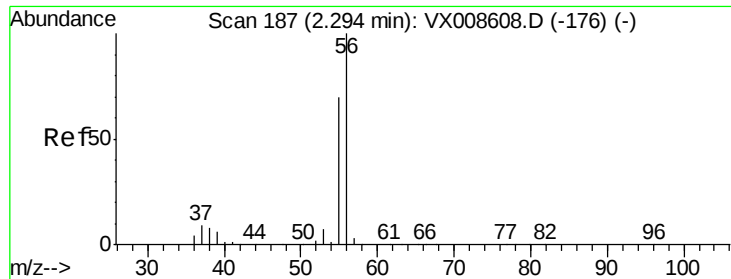
Tgt Ion: 142 Resp: 410
Ion Ratio Lower Upper
142 100
127 13.7 33.0 49.6#
141 5.4 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.354 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.02 min
Lab File: VX008796.D
Acq: 10 Apr 2019 11:40

Tgt Ion: 59 Resp: 249
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

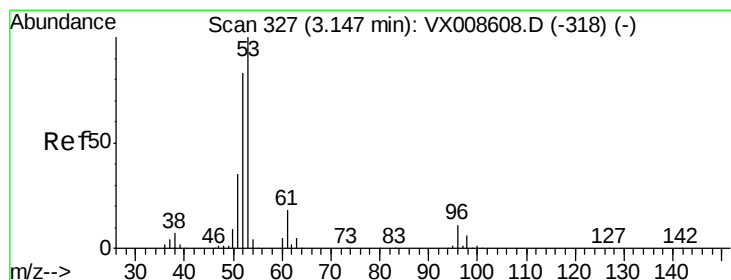
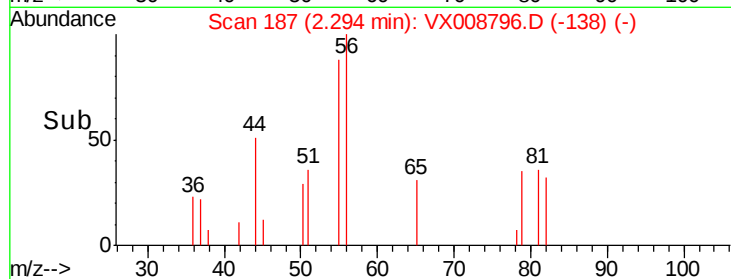
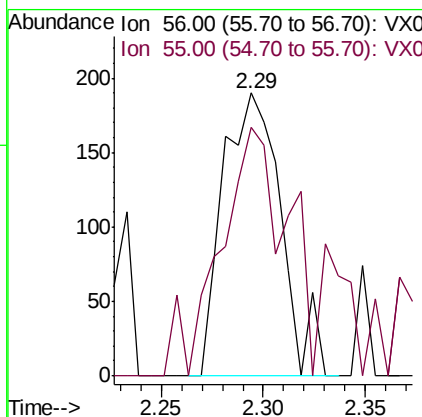
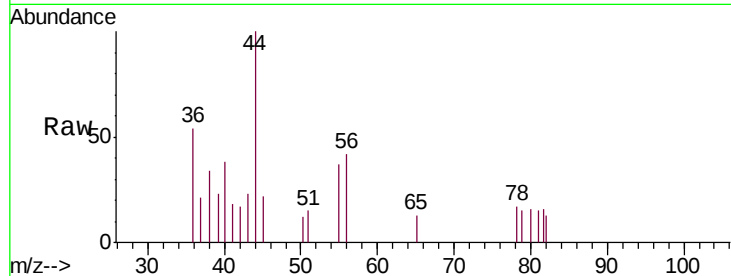




#13
Acrolein
Concen: 1.076 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008796.D
Acq: 10 Apr 2019 11:40

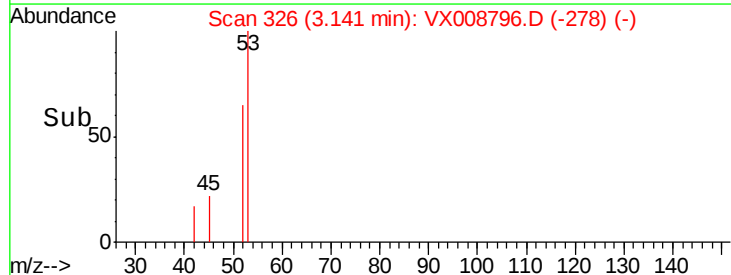
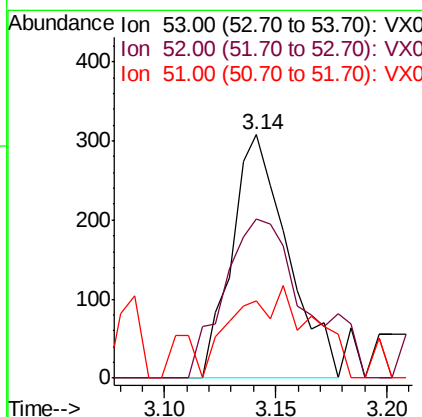
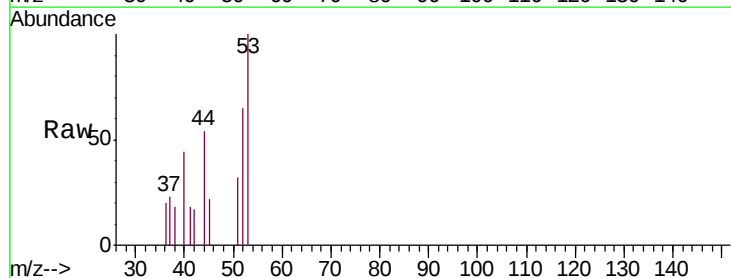
Instrument :
MSVOA_X
ClientSampleId :
VX0410WBL01

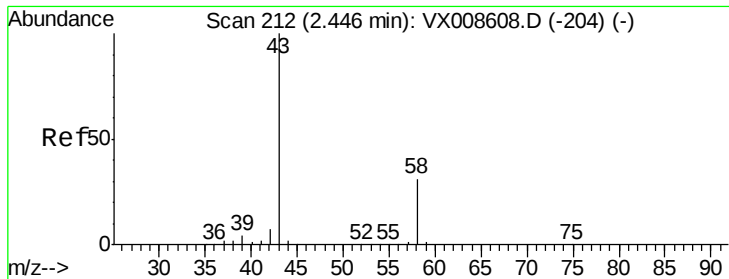
Tgt Ion: 56 Resp: 375
Ion Ratio Lower Upper
56 100
55 101.6 58.0 87.0#



#15
Acrylonitrile
Concen: 0.288 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.01 min
Lab File: VX008796.D
Acq: 10 Apr 2019 11:40

Tgt Ion: 53 Resp: 536
Ion Ratio Lower Upper
53 100
52 95.7 66.5 99.7
51 26.7 28.6 42.8#





#16

Acetone

Concen: 0.430 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX008796.D

Acq: 10 Apr 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

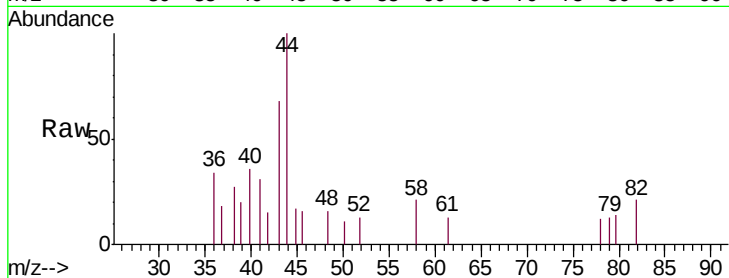
VX0410WBL01

Tgt Ion: 43 Resp: 743

Ion Ratio Lower Upper

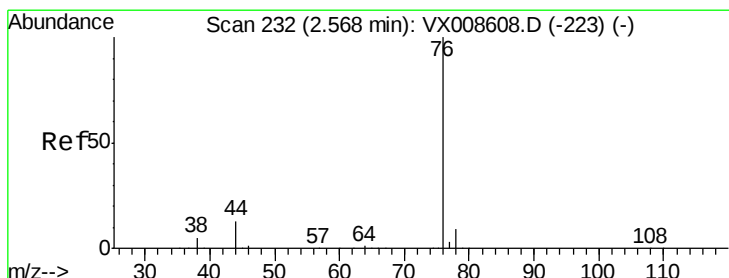
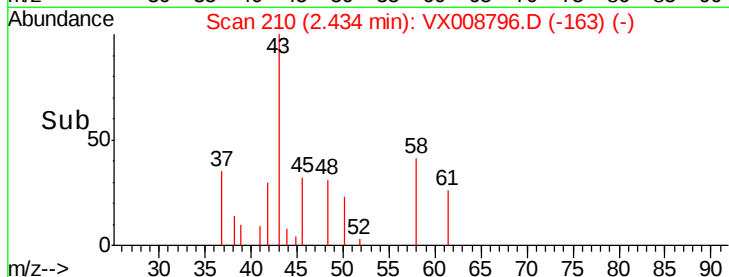
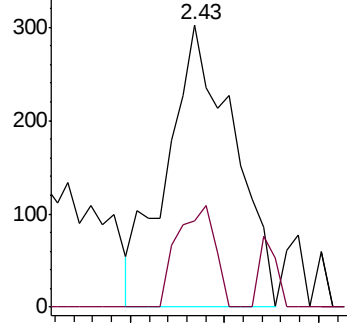
43 100

58 30.7 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008796.D

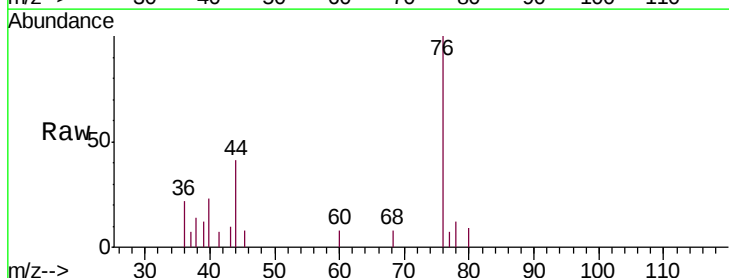
Acq: 10 Apr 2019 11:40

Tgt Ion: 76 Resp: 1333

Ion Ratio Lower Upper

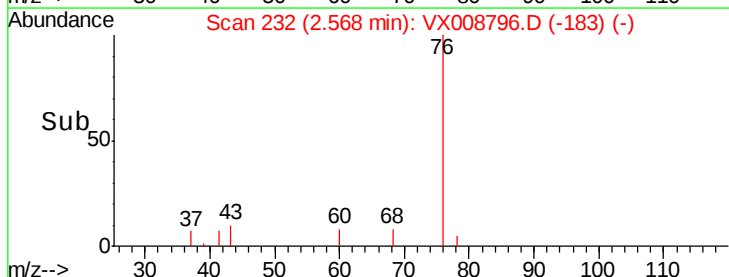
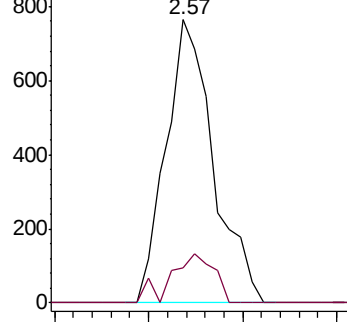
76 100

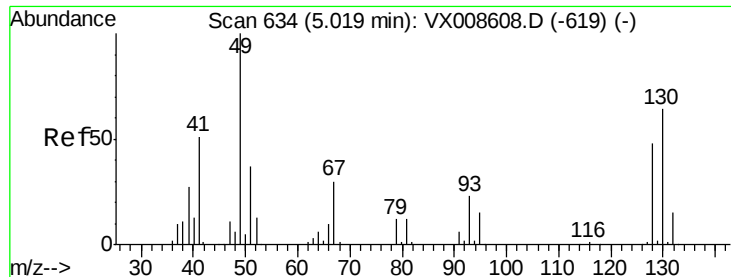
78 12.4 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008796.D

Acq: 10 Apr 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0410WBL01

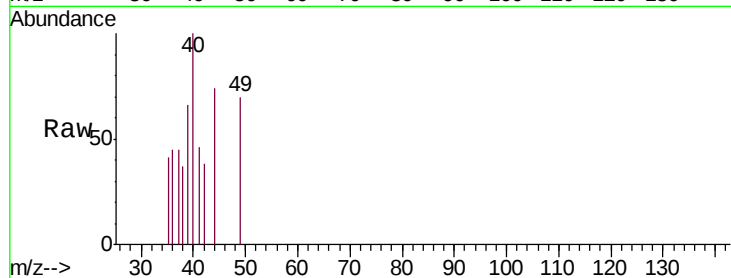
Tgt Ion: 49 Resp: 133

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

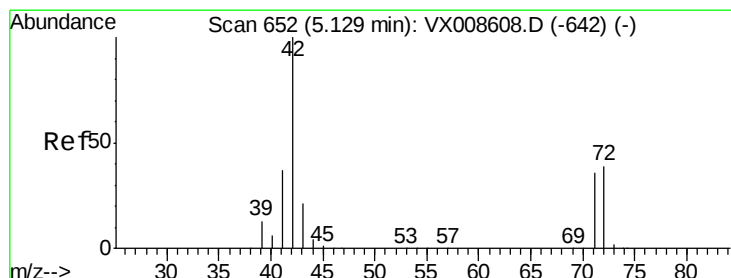
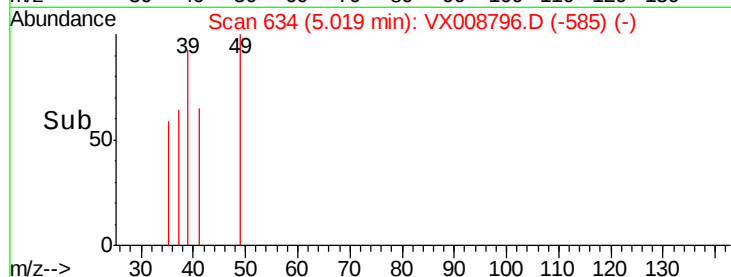
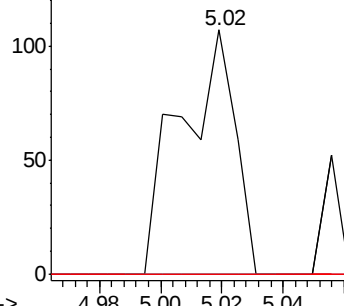
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.342 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX008796.D

Acq: 10 Apr 2019 11:40

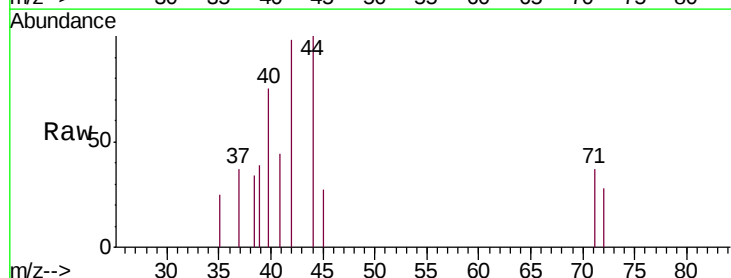
Tgt Ion: 42 Resp: 621

Ion Ratio Lower Upper

42 100

72 11.8 30.5 45.7#

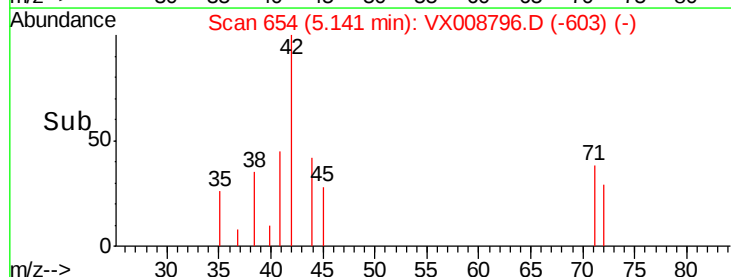
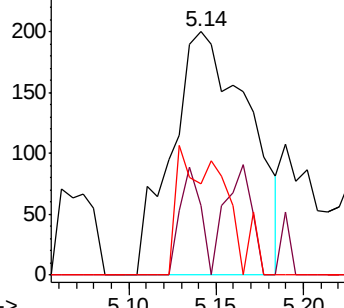
71 15.5 28.6 43.0#

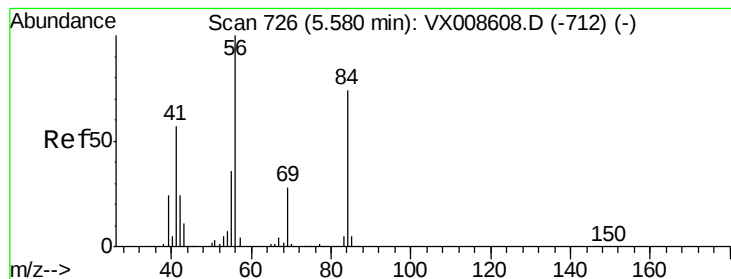


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 0.894 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008796.D

Acq: 10 Apr 2019 11:40

Instrument :

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ClientSampleId :

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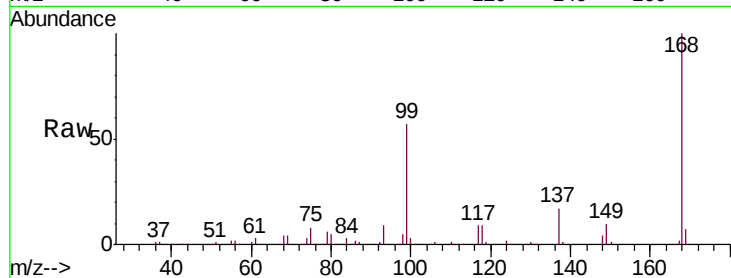
Tgt Ion: 56 Resp: 4635

Ion Ratio Lower Upper

56 100

69 175.9 22.6 33.8#

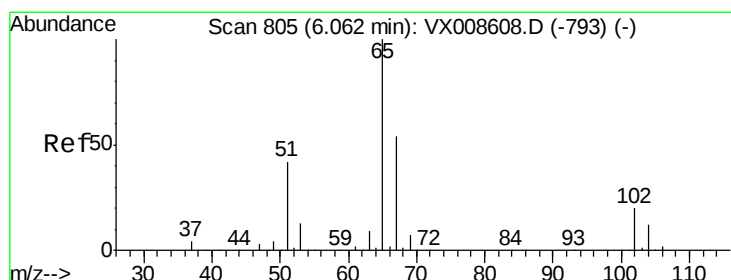
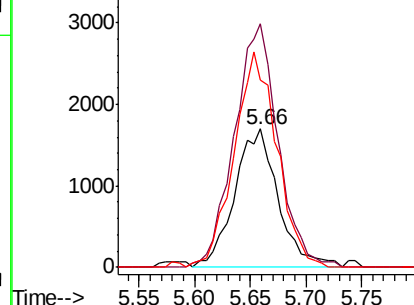
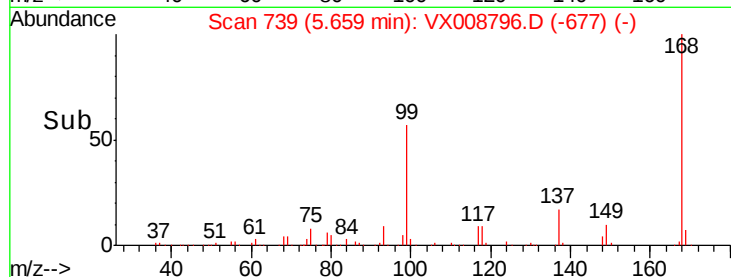
84 135.3 59.3 88.9#



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: 46.126 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX008796.D

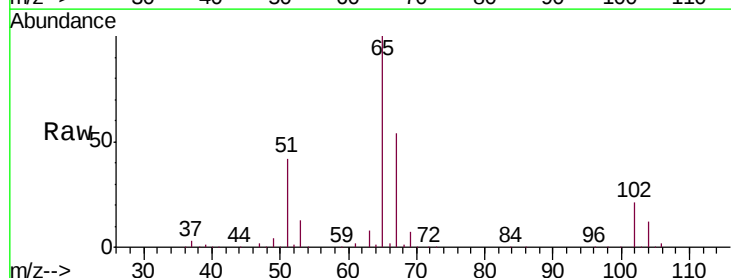
Acq: 10 Apr 2019 11:40

Tgt Ion: 65 Resp: 138447

Ion Ratio Lower Upper

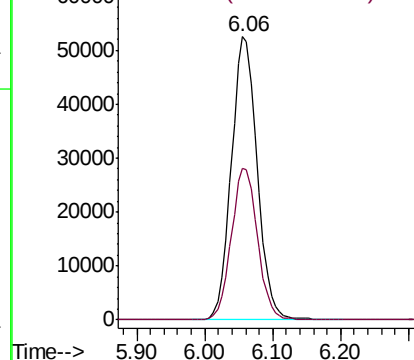
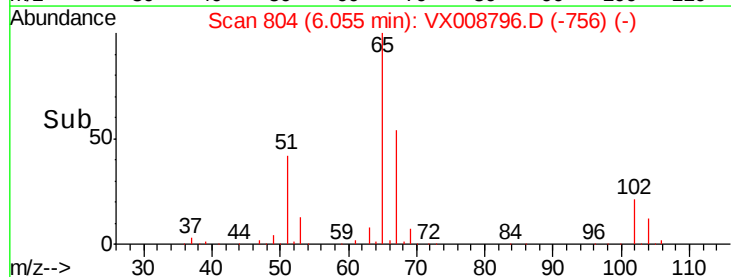
65 100

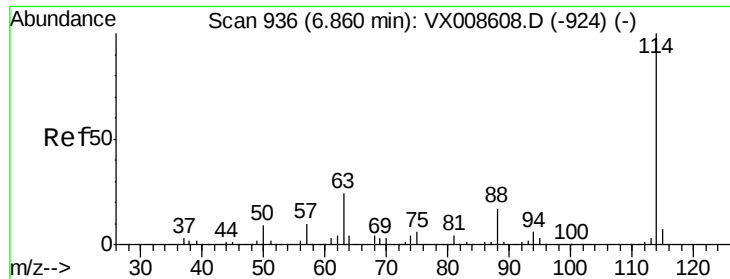
67 54.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

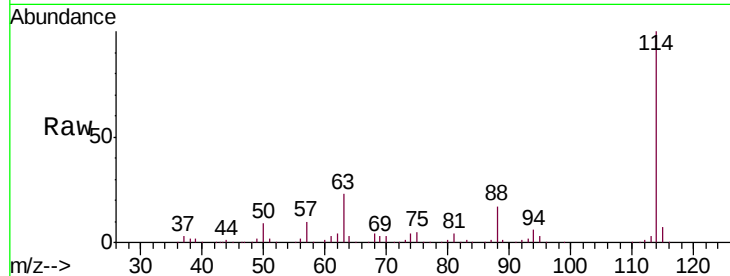




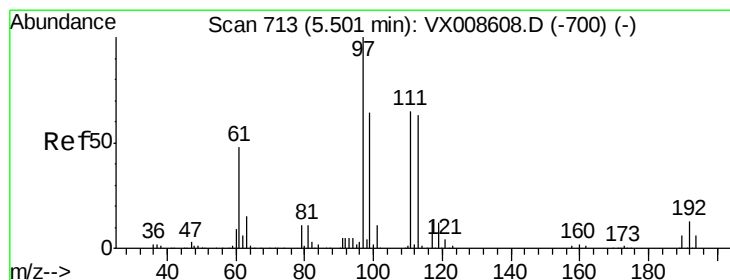
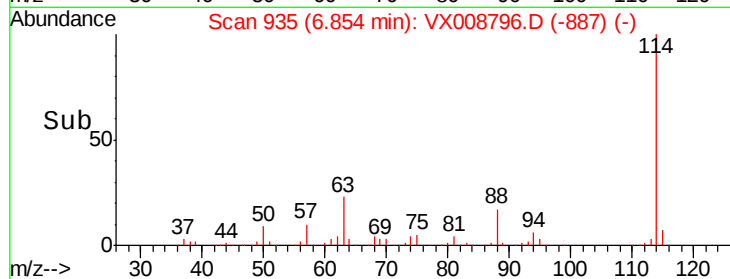
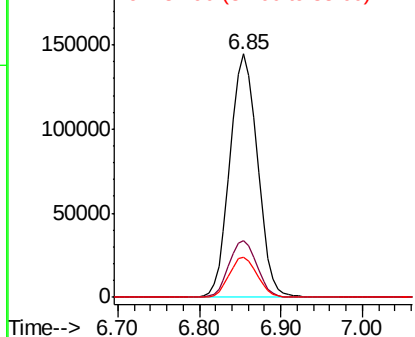
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008796.D
 Acq: 10 Apr 2019 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0410WBL01

Tgt Ion:114 Resp: 338941
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.2
 88 16.6 0.0 34.0

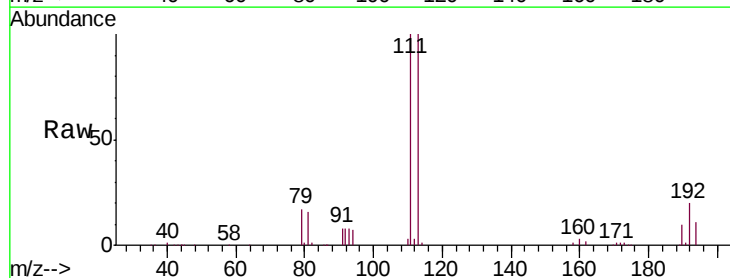


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

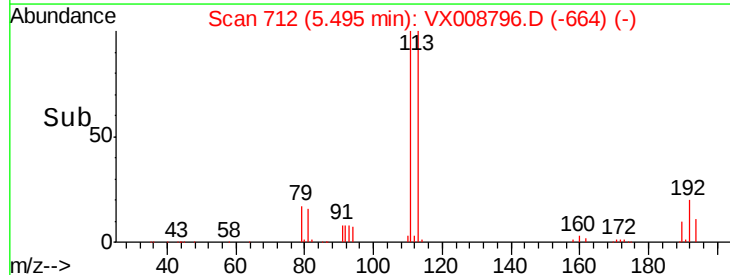
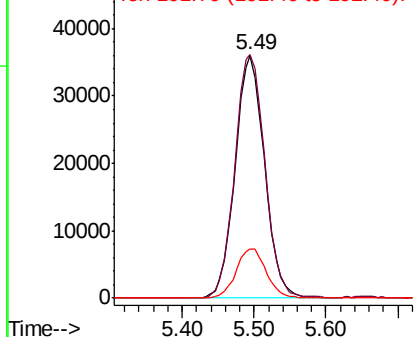


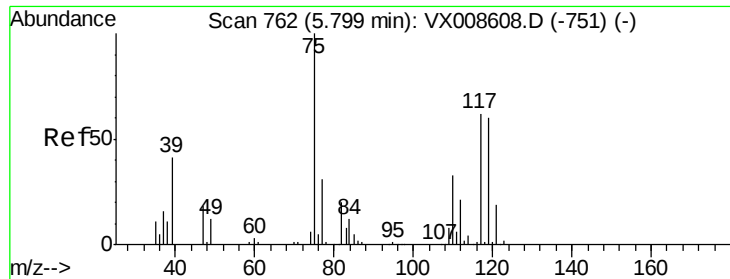
#35
 Dibromofluoromethane
 Concen: 47.059 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008796.D
 Acq: 10 Apr 2019 11:40

Tgt Ion:113 Resp: 101979
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.4 125.2
 192 20.9 16.1 24.1



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

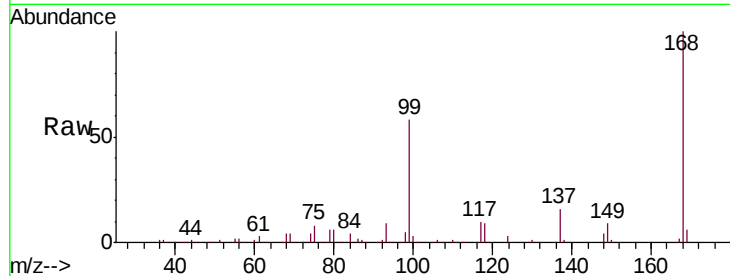




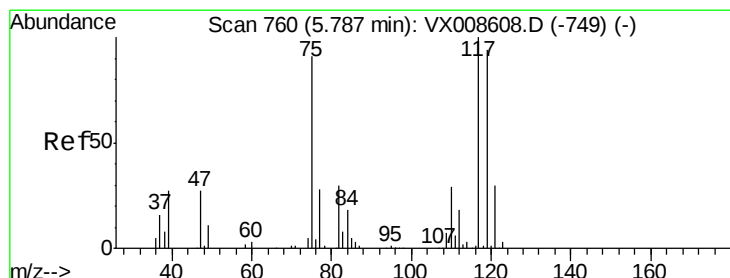
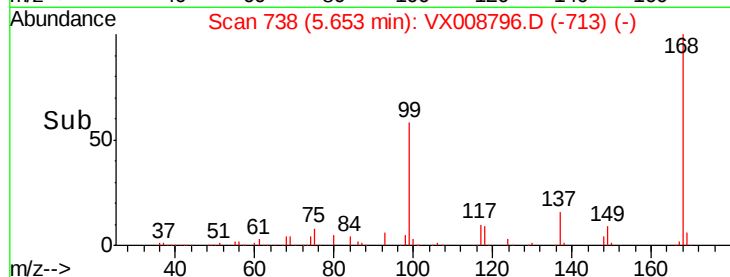
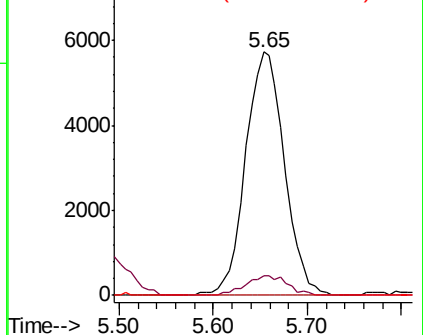
#36
 1,1-Dichloropropene
 Concen: 4.462 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX008796.D
 Acq: 10 Apr 2019 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0410WBL01

Tgt Ion: 75 Resp: 16531
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.4 49.2#
 77 0.0 24.7 37.1#

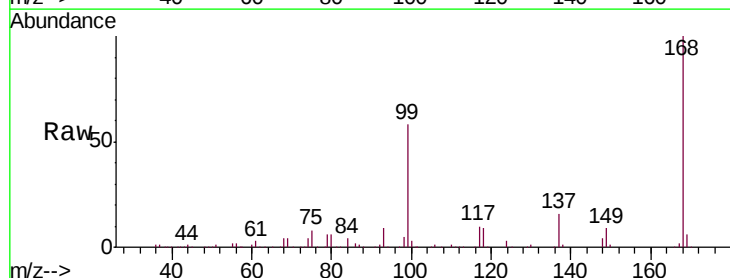


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

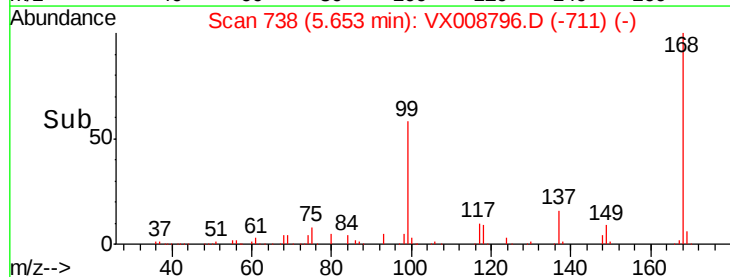
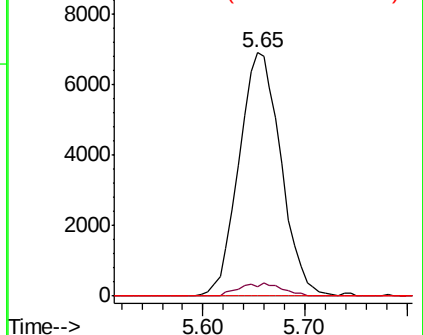


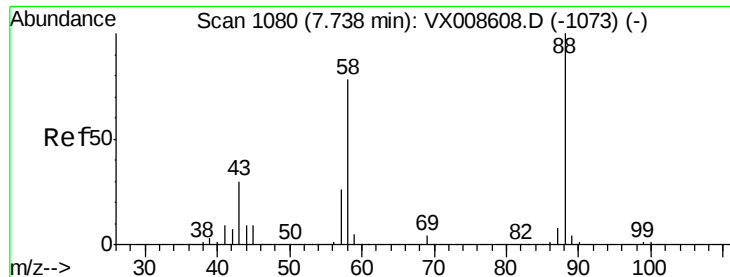
#38
 Carbon Tetrachloride
 Concen: 6.423 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX008796.D
 Acq: 10 Apr 2019 11:40

Tgt Ion: 117 Resp: 19695
 Ion Ratio Lower Upper
 117 100
 119 3.9 75.0 112.6#
 121 0.0 24.3 36.5#



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: 1.049 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX008796.D

Acq: 10 Apr 2019 11:40

Instrument :

MSVOA_X

ClientSampled :

VX0410WBL01

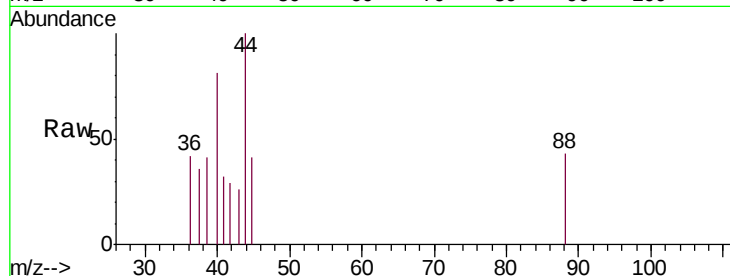
Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

43 255.8 28.6 43.0#

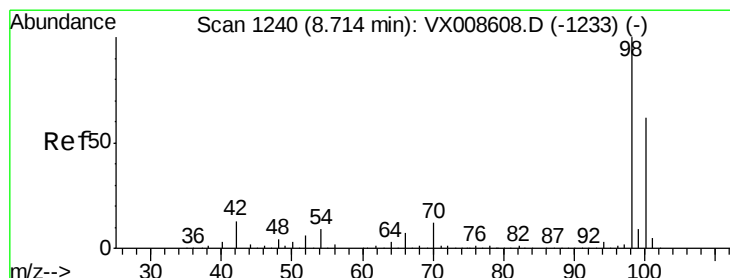
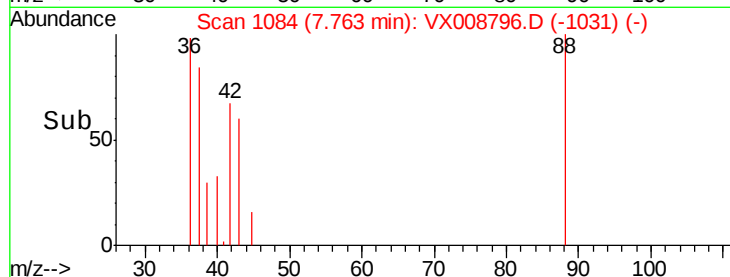
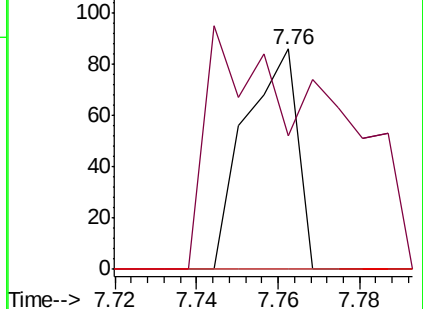
58 0.0 62.2 93.2#



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: 49.068 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008796.D

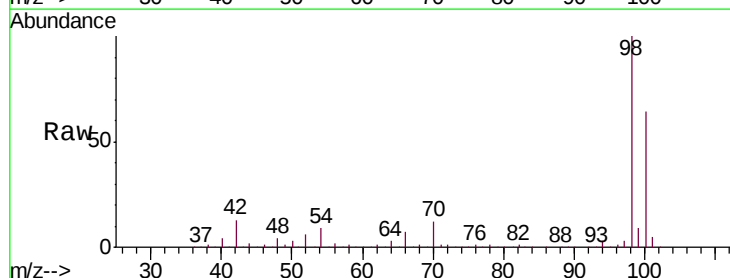
Acq: 10 Apr 2019 11:40

Tgt Ion: 98 Resp: 423394

Ion Ratio Lower Upper

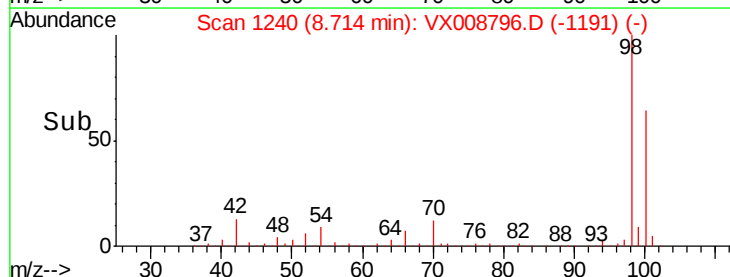
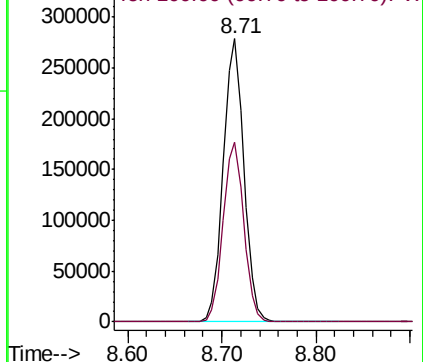
98 100

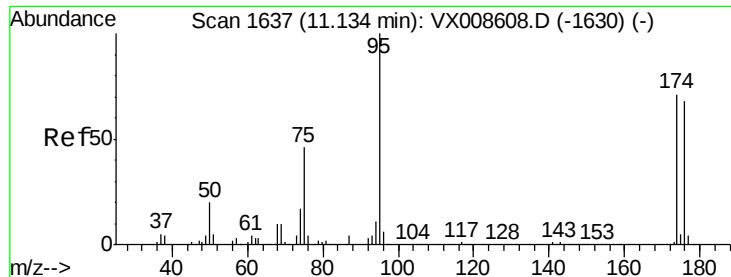
100 63.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.807 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008796.D

Acq: 10 Apr 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0410WBL01

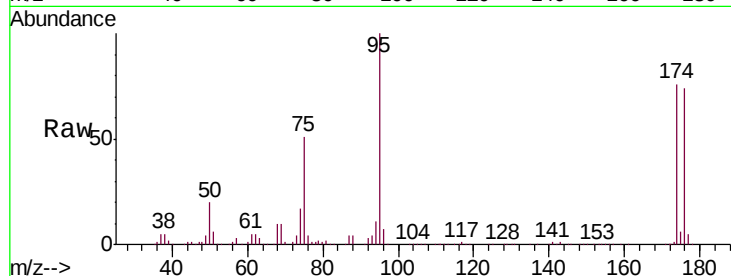
Tgt Ion: 95 Resp: 143224

Ion Ratio Lower Upper

95 100

174 77.6 0.0 151.8

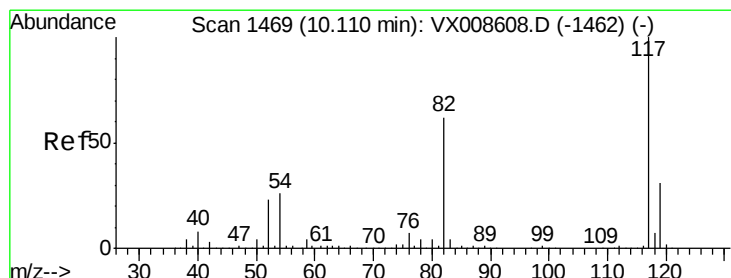
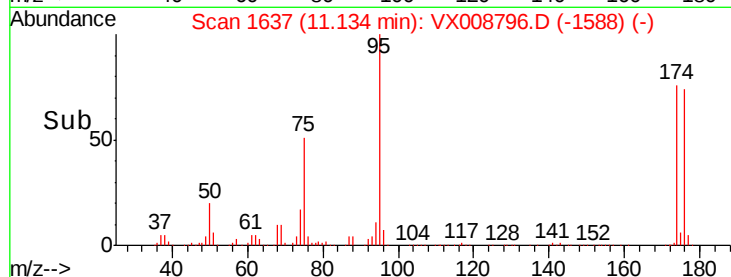
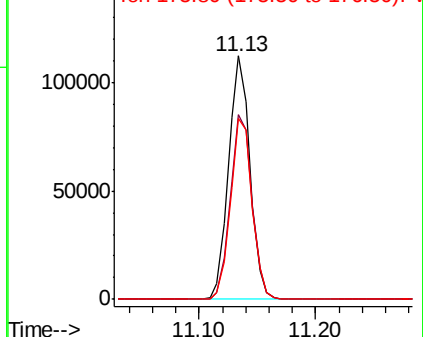
176 75.2 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008796.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008796.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008796.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008796.D

Acq: 10 Apr 2019 11:40

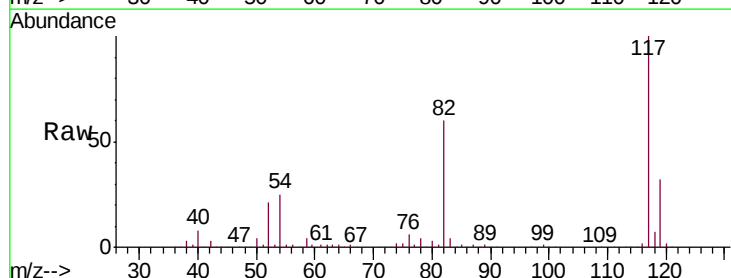
Tgt Ion: 117 Resp: 295312

Ion Ratio Lower Upper

117 100

82 60.0 49.6 74.4

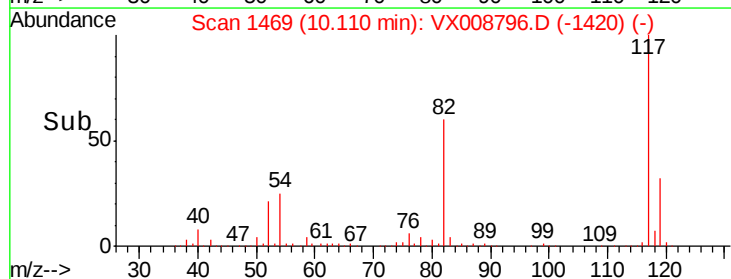
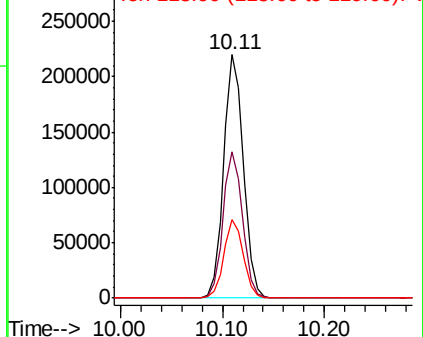
119 32.1 25.0 37.4

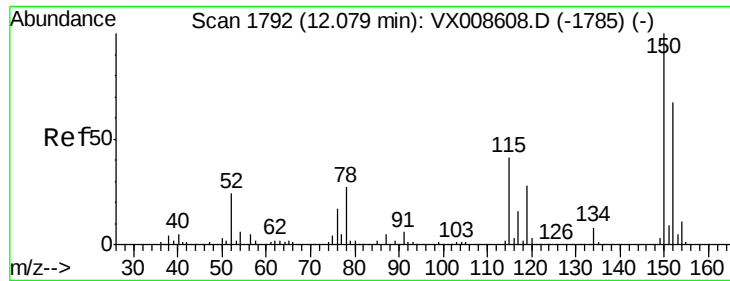


Abundance Ion 116.90 (116.60 to 117.60): VX008796.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008796.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008796.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008796.D

Acq: 10 Apr 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0410WBL01

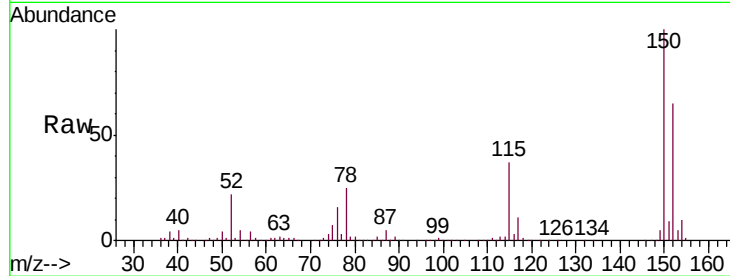
Tgt Ion: 152 Resp: 127377

Ion Ratio Lower Upper

152 100

115 59.9 43.5 130.5

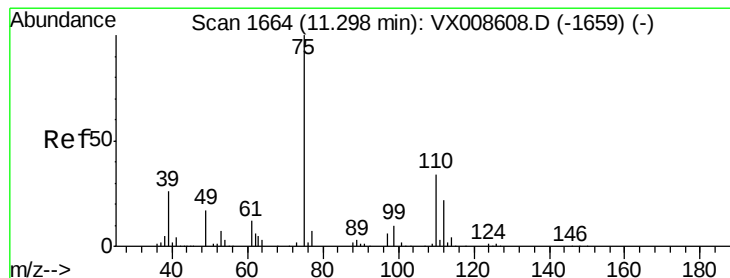
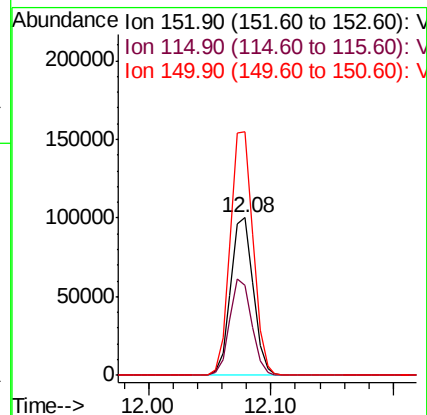
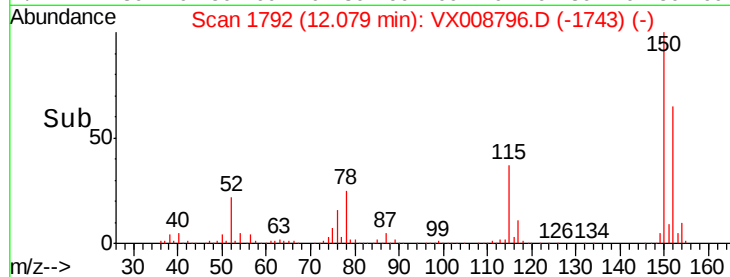
150 156.8 0.0 348.8



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: 20.695 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008796.D

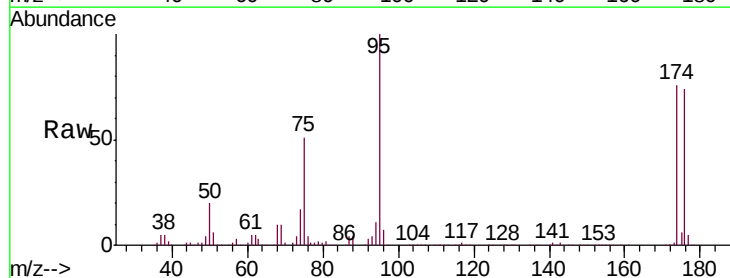
Acq: 10 Apr 2019 11:40

Tgt Ion: 75 Resp: 72417

Ion Ratio Lower Upper

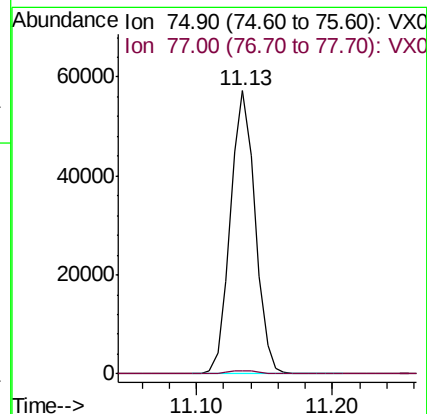
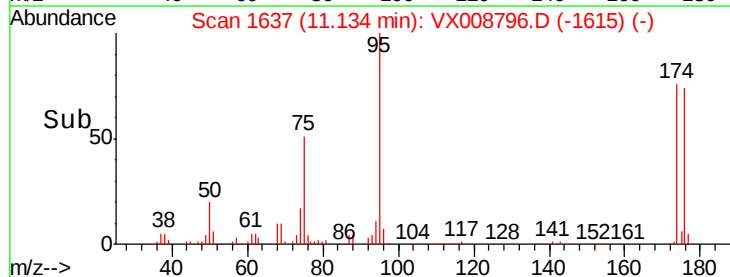
75 100

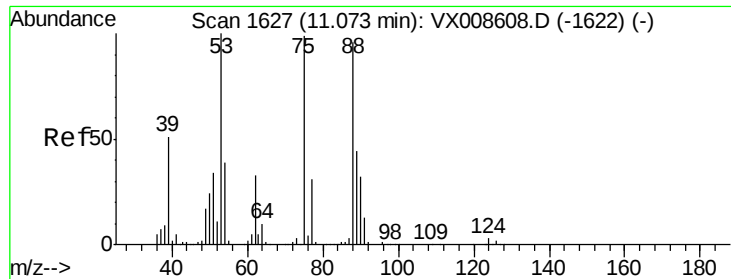
77 1.3 22.3 66.8#



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: 57.048 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008796.D

Acq: 10 Apr 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0410WBL01

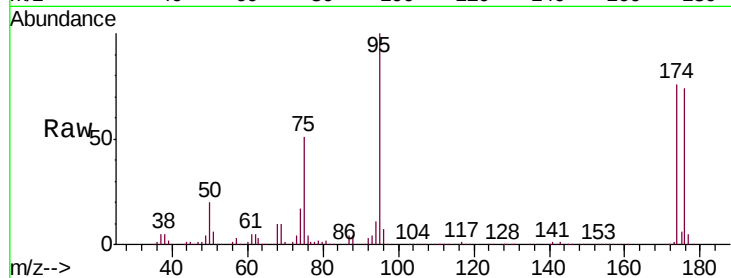
Tgt Ion: 75 Resp: 72417

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.1 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

