

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040919\
 Data File : VX008768.D
 Acq On : 09 Apr 2019 14:05
 Operator : JC/SP
 Sample : VX0409WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409WBL02

Quant Time: Apr 09 14:24:24 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	197430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	331565	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	275119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111101	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	134915	46.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.70%	
35) Dibromofluoromethane	5.49	113	98894	46.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.30%	
50) Toluene-d8	8.71	98	402993	47.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.48%	
62) 4-Bromofluorobenzene	11.13	95	129040	43.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.22%	

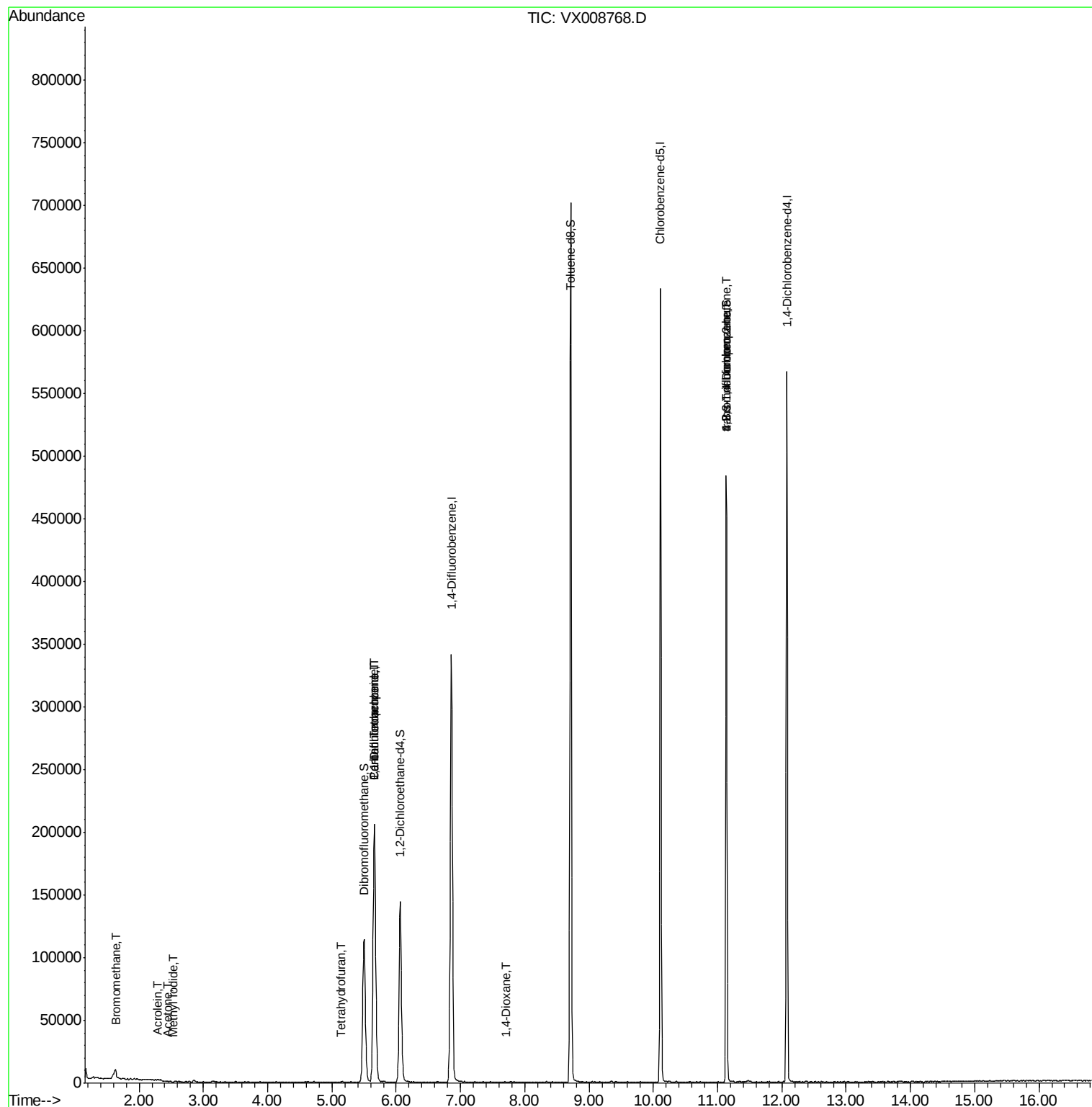
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	412	Below Cal	#	87
5) Bromomethane	1.64	94	352	2.109	ug/l	83
6) Chloroethane	1.74	64	193	Below Cal	#	83
10) Methyl Iodide	2.53	142	189	4.090	ug/l #	42
13) Acrolein	2.28	56	235	0.703	ug/l #	56
16) Acetone	2.45	43	621	0.374	ug/l	93
17) Carbon Disulfide	2.57	76	716	Below Cal	#	91
28) Bromochloromethane	5.03	49	60	Below Cal	#	22
29) Tetrahydrofuran	5.15	42	351	0.202	ug/l #	70
36) 1,1-Dichloropropene	5.66	75	15689	4.329	ug/l #	51
38) Carbon Tetrachloride	5.66	117	18955	6.319	ug/l #	17
49) 1,4-Dioxane	7.70	88	42	0.585	ug/l #	73
76) 1,2,3-Trichloropropane	11.13	75	65298	21.395	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65298	58.976	ug/l #	9

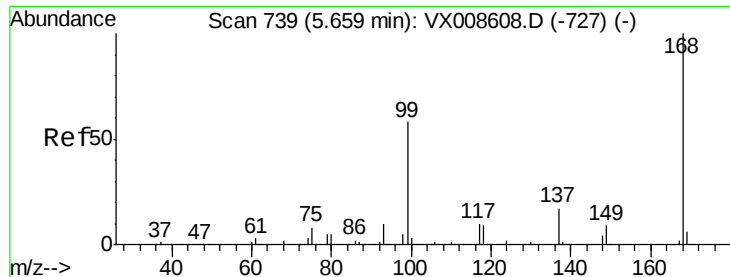
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX040919\
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Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008768.D

Acq: 09 Apr 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

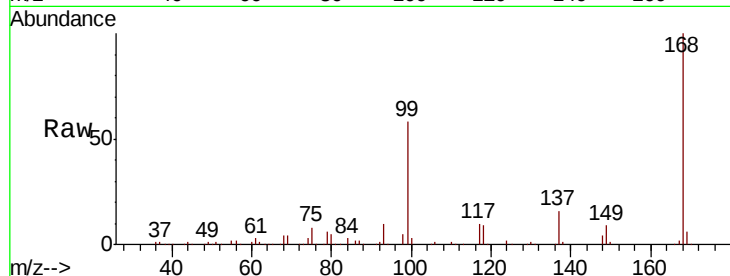
VX0409WBL02

Tgt Ion:168 Resp: 197430

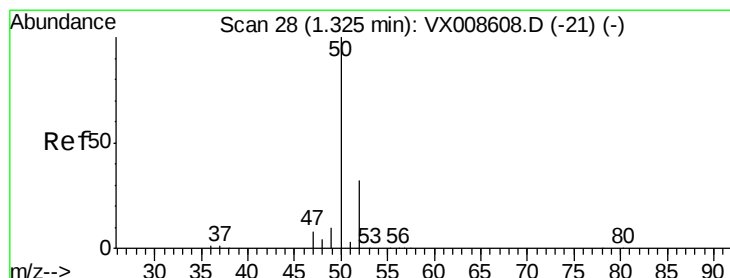
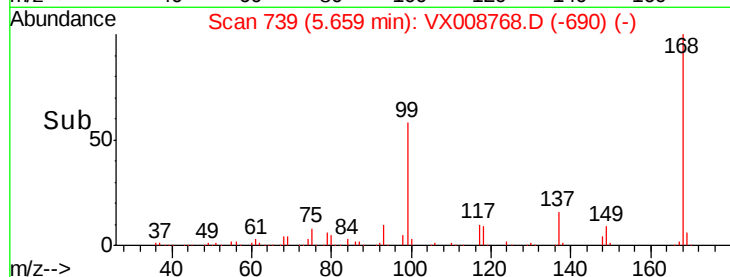
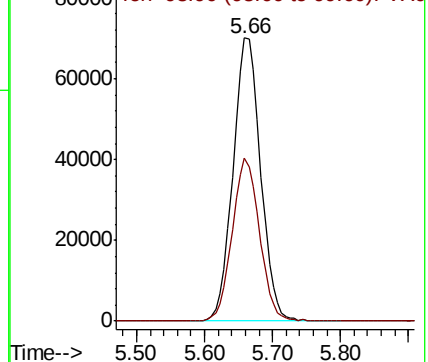
Ion Ratio Lower Upper

168 100

99 57.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VX008768.D (-690) (-)



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008768.D

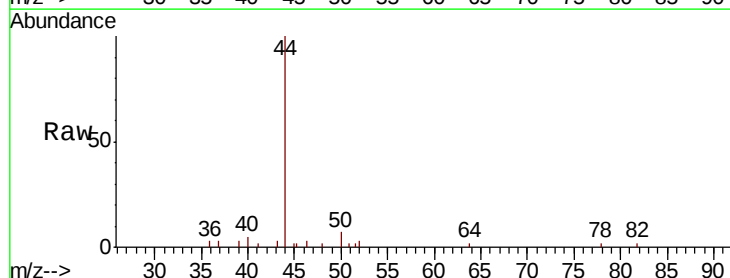
Acq: 09 Apr 2019 14:05

Tgt Ion: 50 Resp: 412

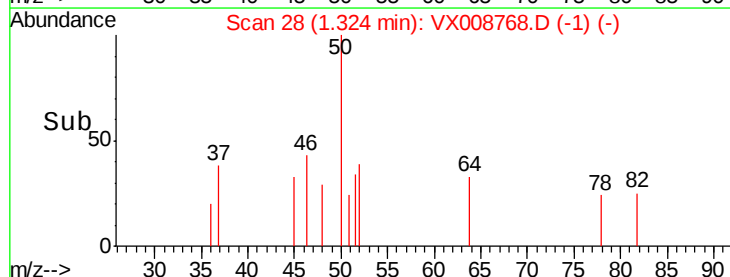
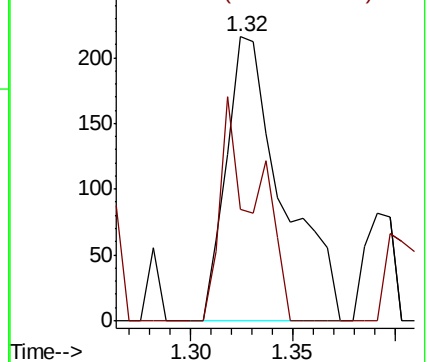
Ion Ratio Lower Upper

50 100

52 39.4 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX008768.D (-1) (-)





#5

Bromomethane

Concen: 2.109 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008768.D

Acq: 09 Apr 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

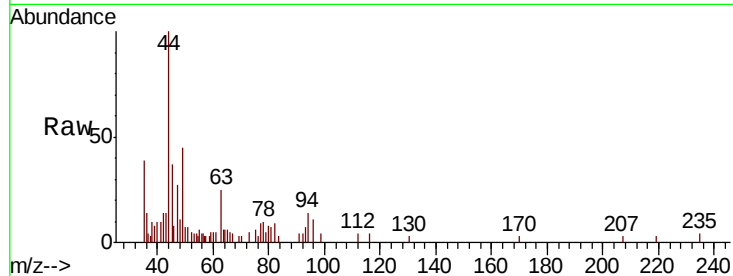
VX0409WBL02

Tgt Ion: 94 Resp: 352

Ion Ratio Lower Upper

94 100

96 77.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

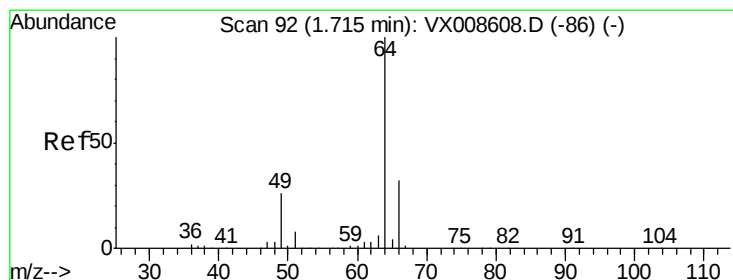
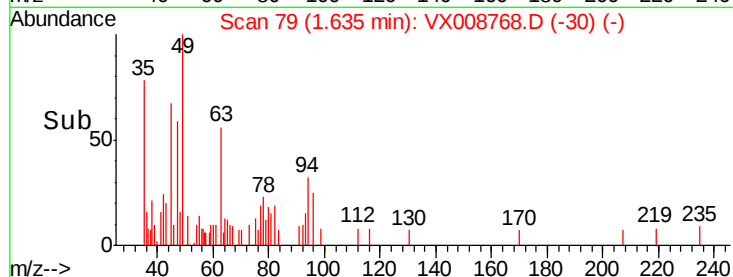
100

50

0

1.60 1.62 1.64 1.66 1.68

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX008768.D

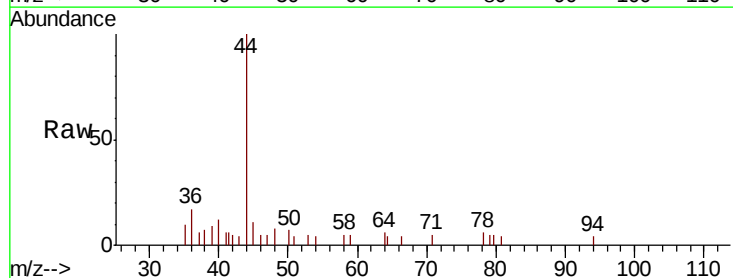
Acq: 09 Apr 2019 14:05

Tgt Ion: 64 Resp: 193

Ion Ratio Lower Upper

64 100

66 41.4 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

150

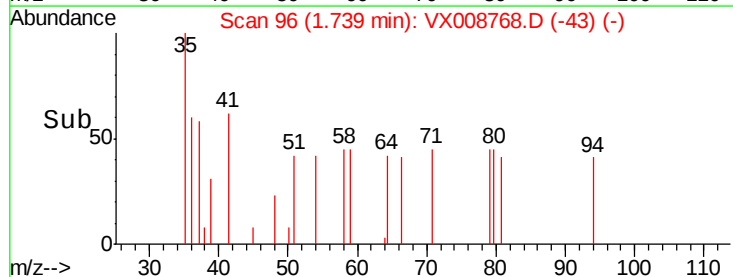
100

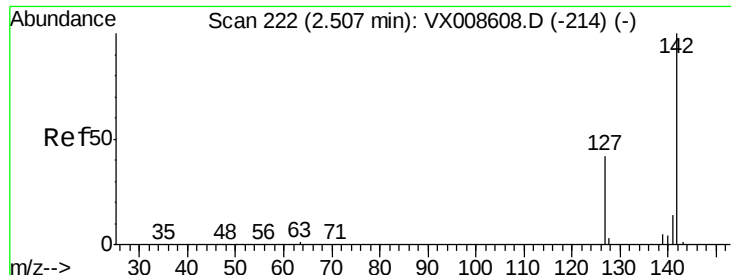
50

0

1.70 1.72 1.74 1.76

Time-->

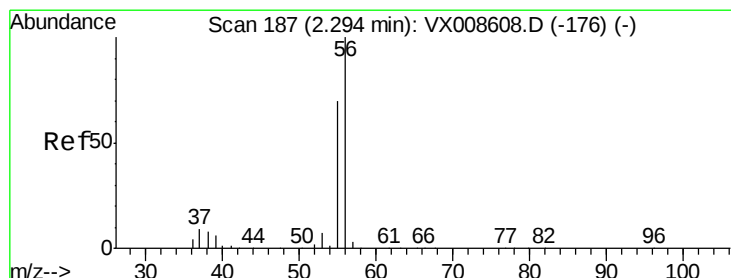
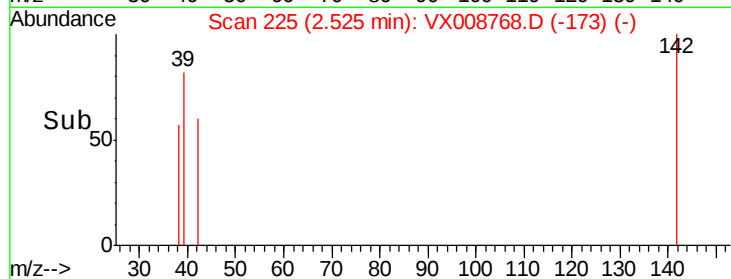
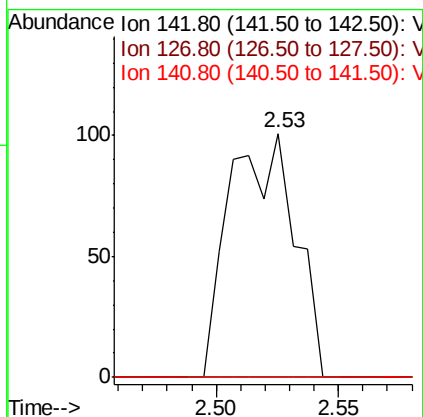
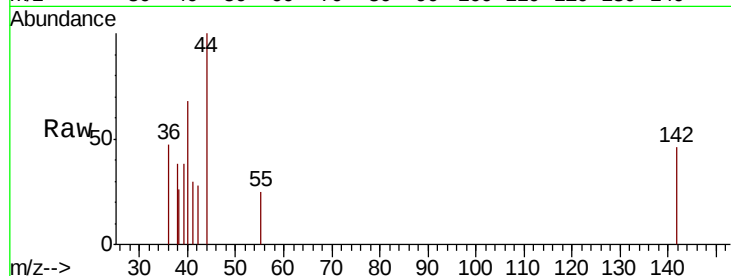




#10
Methyl Iodide
Concen: 4.090 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX008768.D
Acq: 09 Apr 2019 14:05

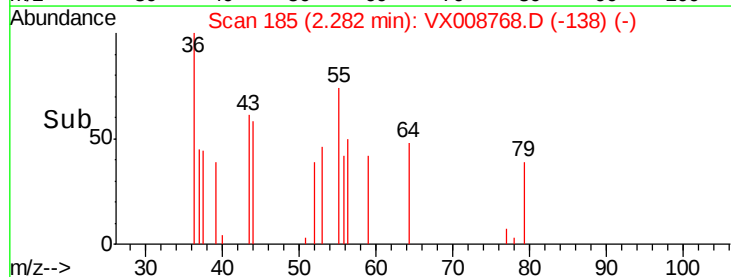
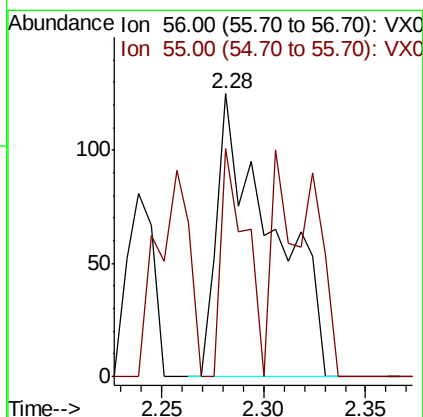
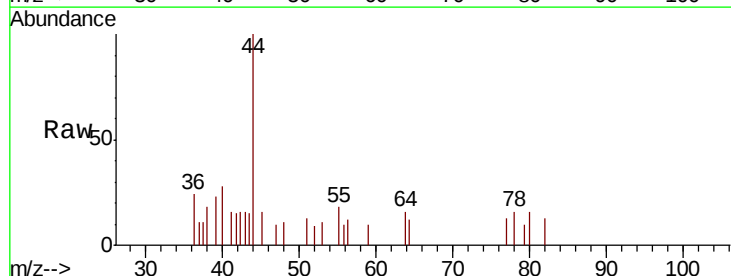
Instrument :
MSVOA_X
ClientSampled :
VX0409WBL02

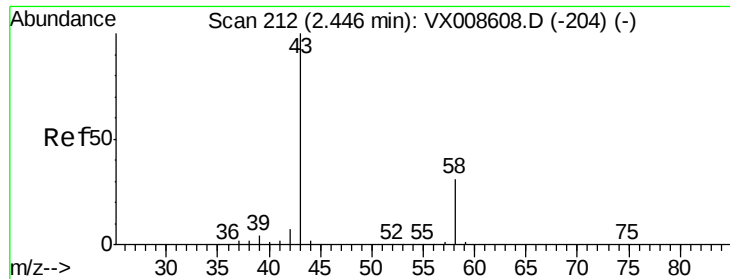
Tgt Ion: 142 Resp: 189
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 0.703 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX008768.D
Acq: 09 Apr 2019 14:05

Tgt Ion: 56 Resp: 235
Ion Ratio Lower Upper
56 100
55 35.7 58.0 87.0#





#16

Acetone

Concen: 0.374 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008768.D

Acq: 09 Apr 2019 14:05

Instrument :

MSVOA_X

ClientSampled :

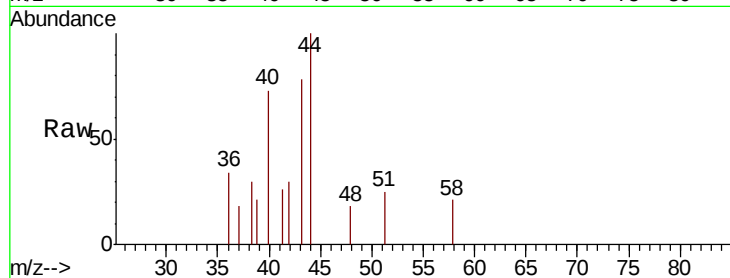
VX0409WBL02

Tgt Ion: 43 Resp: 621

Ion Ratio Lower Upper

43 100

58 27.1 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

200

150

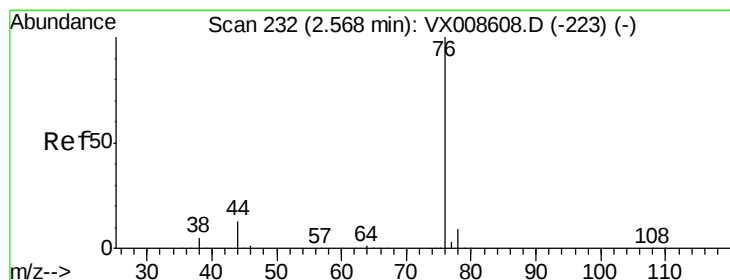
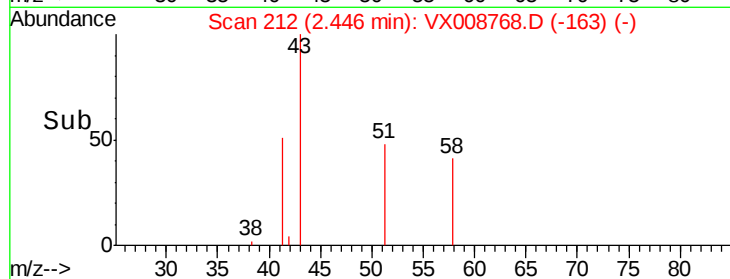
100

50

0

Time-->

2.40 2.45 2.50



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008768.D

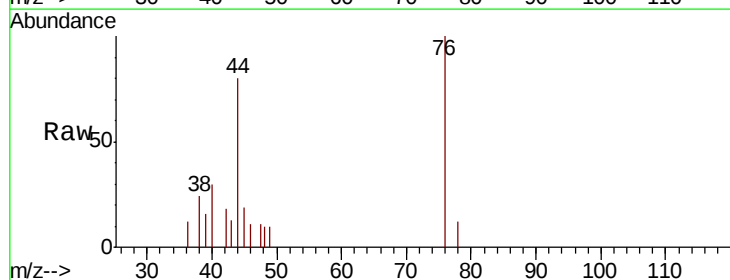
Acq: 09 Apr 2019 14:05

Tgt Ion: 76 Resp: 716

Ion Ratio Lower Upper

76 100

78 12.3 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

500

400

300

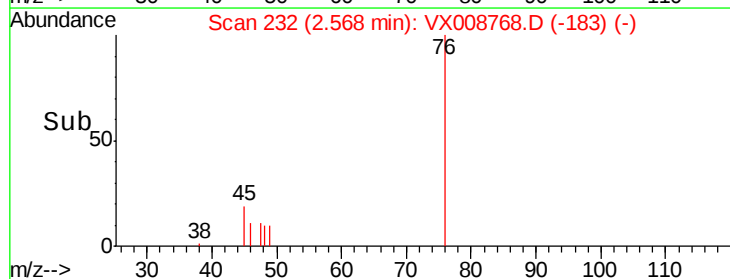
200

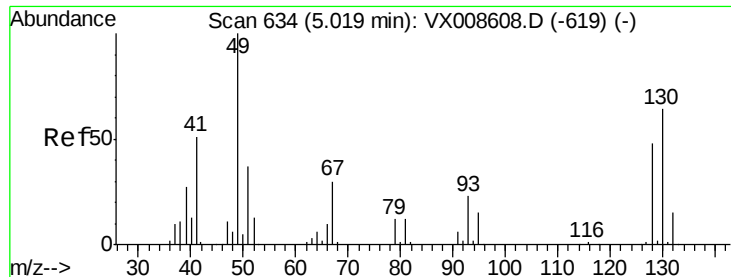
100

0

Time-->

2.55 2.60





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX008768.D

Acq: 09 Apr 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

VX0409WBL02

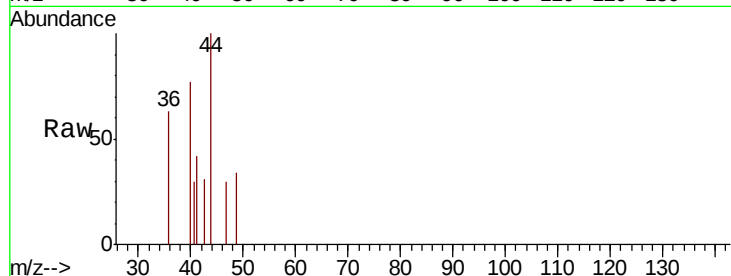
Tgt Ion: 49 Resp: 60

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

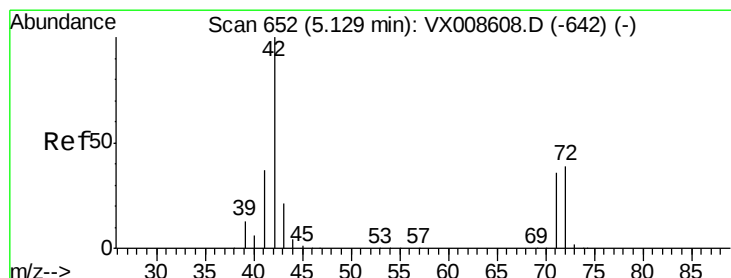
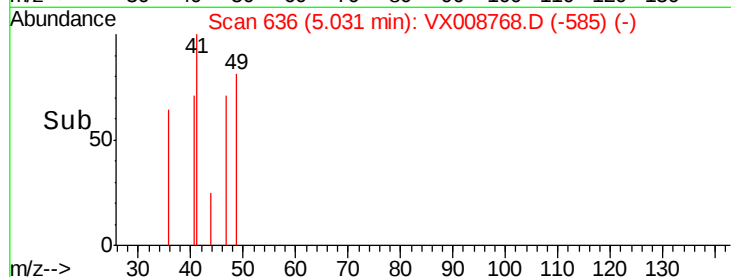
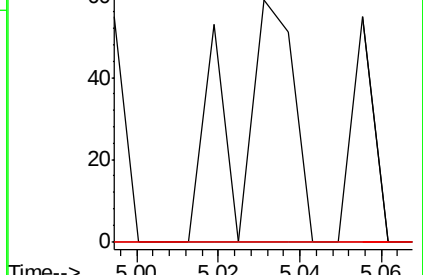
130 0.0 49.3 73.9#



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: 0.202 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX008768.D

Acq: 09 Apr 2019 14:05

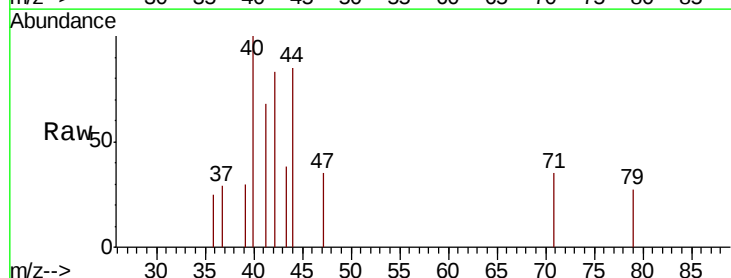
Tgt Ion: 42 Resp: 351

Ion Ratio Lower Upper

42 100

72 25.1 30.5 45.7#

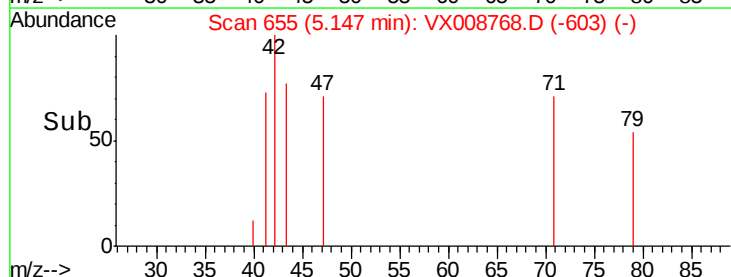
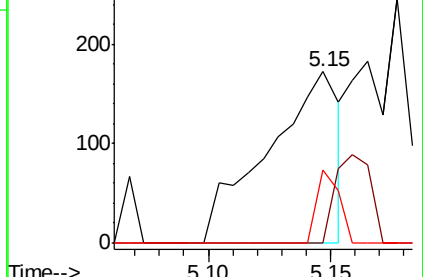
71 13.1 28.6 43.0#

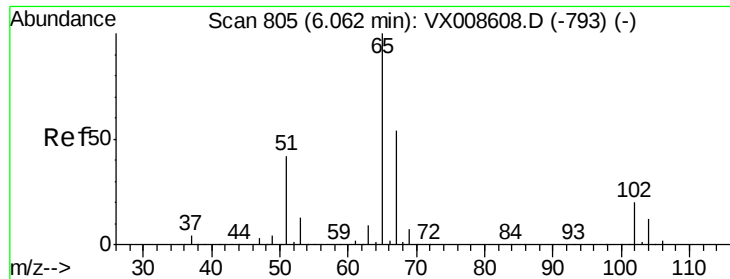


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

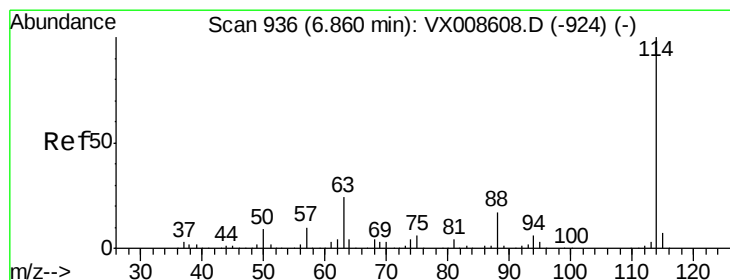
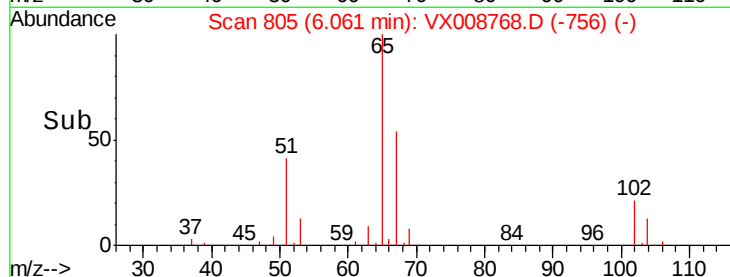
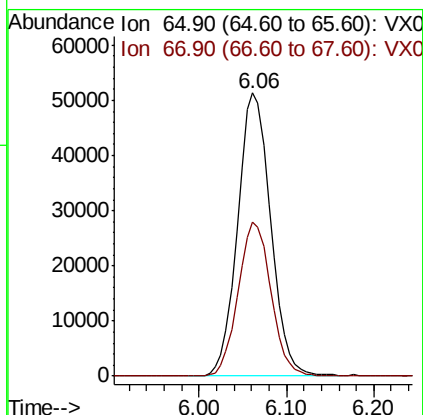
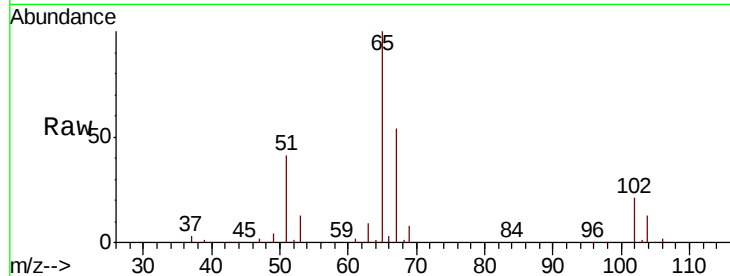




#33
 1,2-Dichloroethane-d4
 Concen: 46.851 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008768.D
 Acq: 09 Apr 2019 14:05

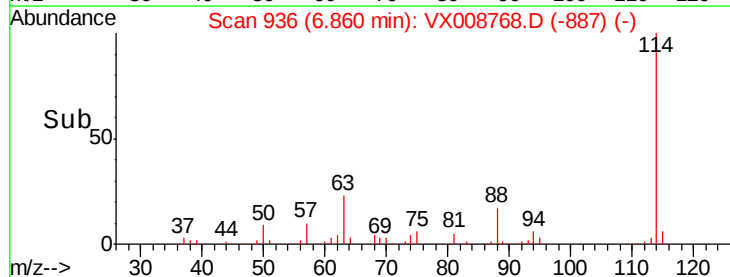
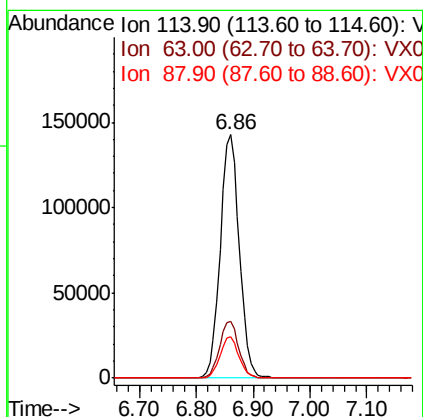
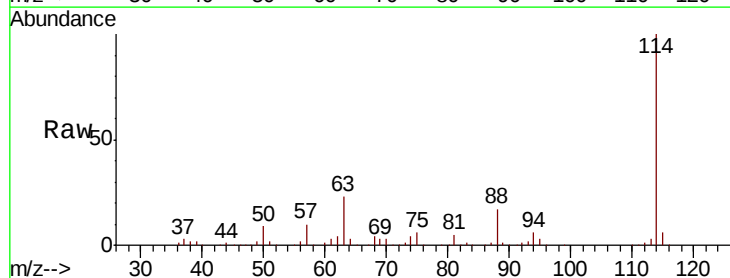
Instrument :
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 VX0409WBL02

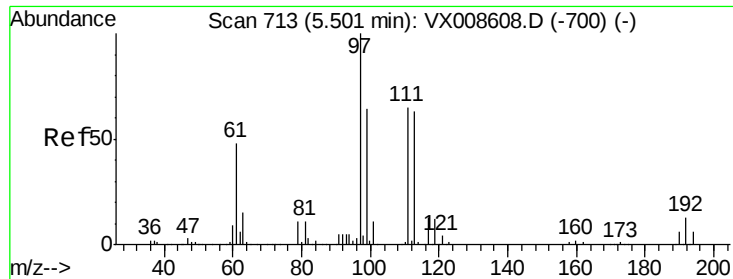
Tgt Ion: 65 Resp: 134915
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008768.D
 Acq: 09 Apr 2019 14:05

Tgt Ion: 114 Resp: 331565
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.2
 88 16.8 0.0 34.0

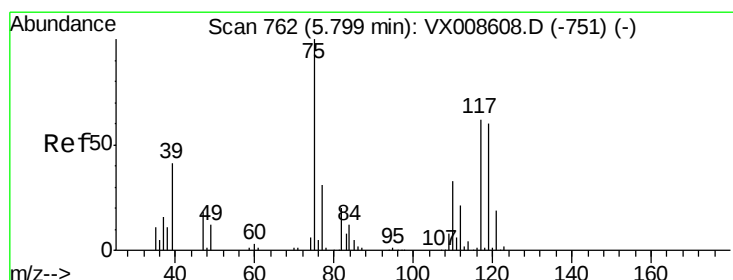
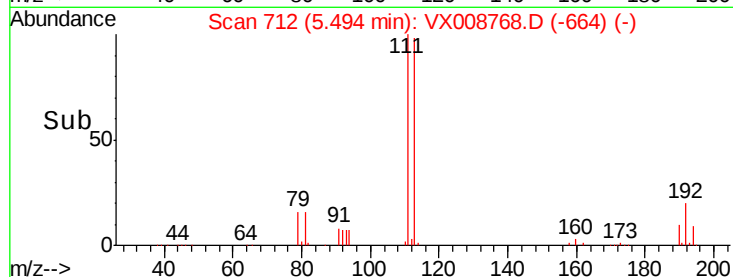
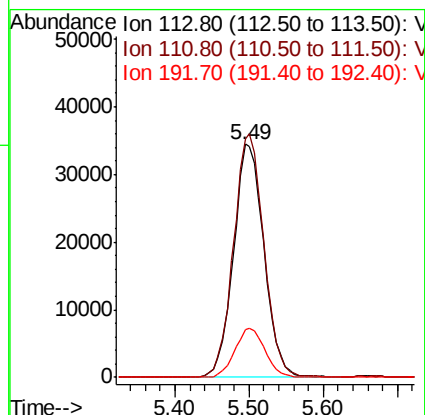
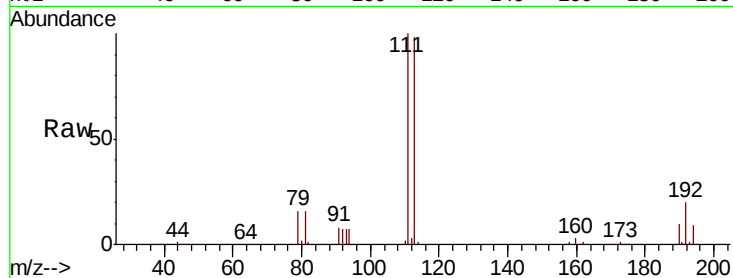




#35
 Dibromofluoromethane
 Concen: 46.650 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008768.D
 Acq: 09 Apr 2019 14:05

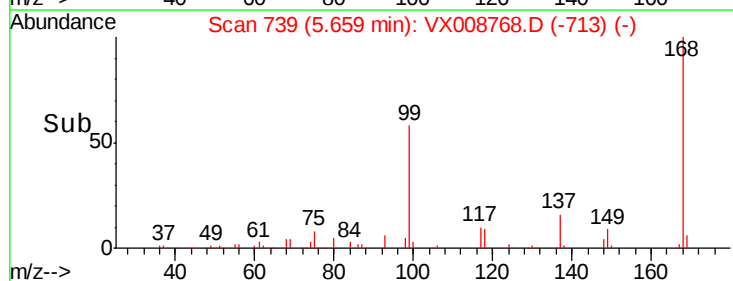
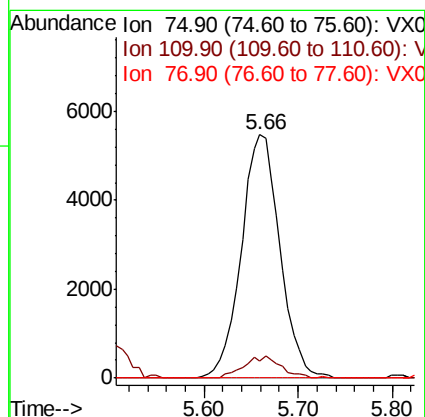
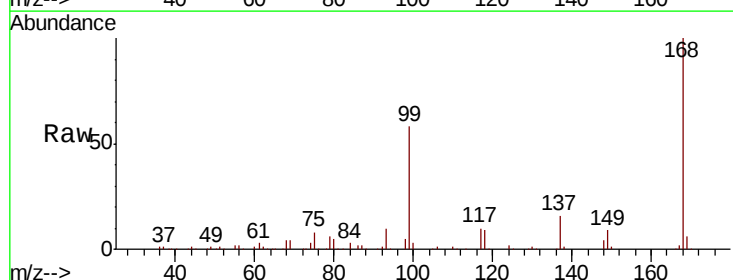
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409WBL02

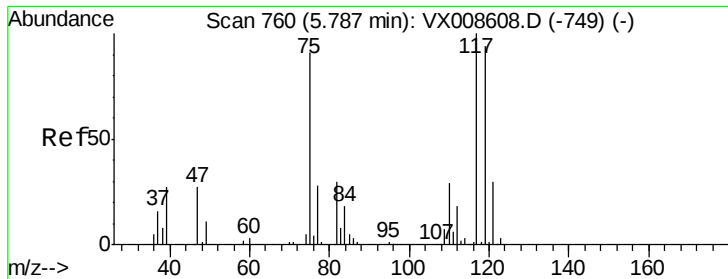
Tgt Ion:113 Resp: 98894
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.4 125.2
 192 20.8 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.329 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008768.D
 Acq: 09 Apr 2019 14:05

Tgt Ion: 75 Resp: 15689
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.4 49.2#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.319 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008768.D

Acq: 09 Apr 2019 14:05

Instrument :

MSVOA_X

ClientSampled :

VX0409WBL02

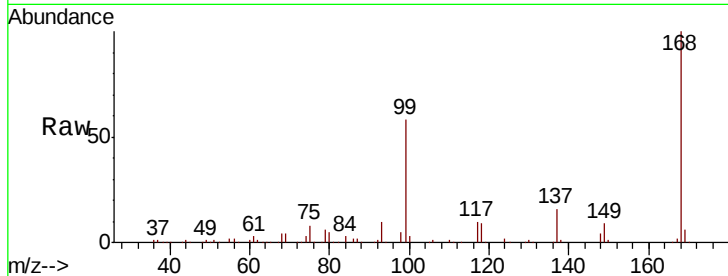
Tgt Ion:117 Resp: 18955

Ion Ratio Lower Upper

117 100

119 4.6 75.0 112.6#

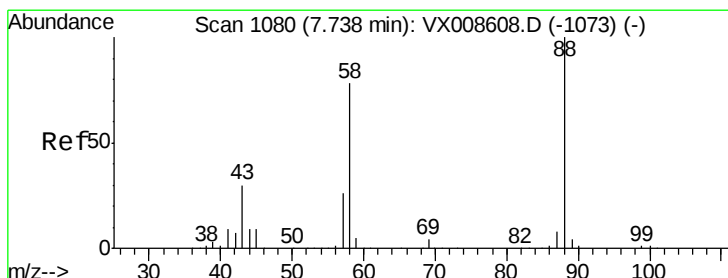
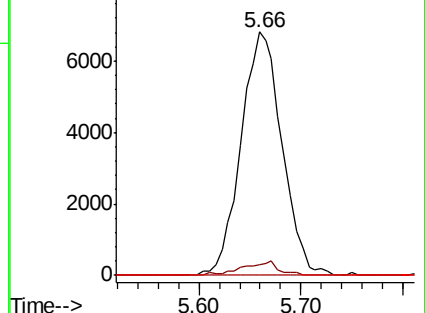
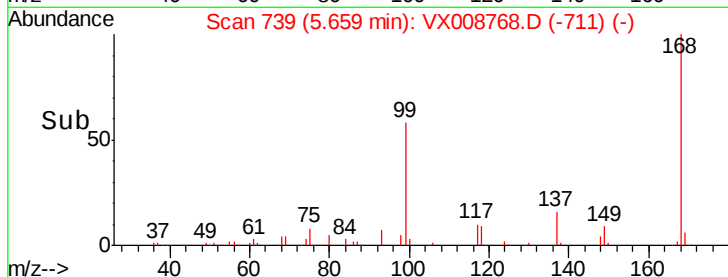
121 0.0 24.3 36.5#



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: 0.585 ug/l

RT: 7.70 min Scan# 1074

Delta R.T. -0.04 min

Lab File: VX008768.D

Acq: 09 Apr 2019 14:05

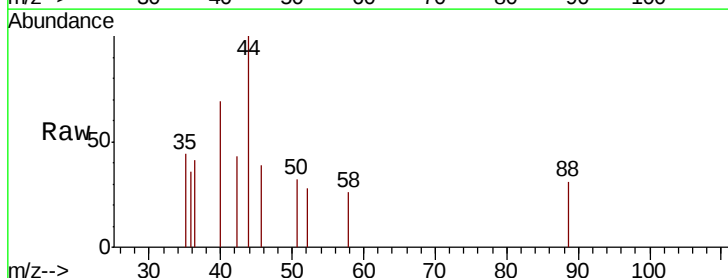
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 0.0 28.6 43.0#

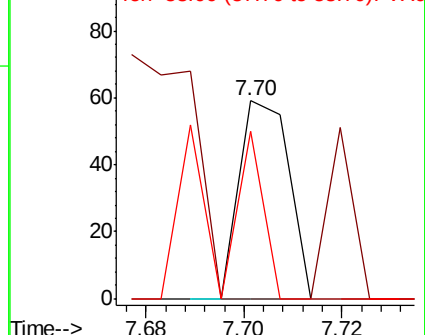
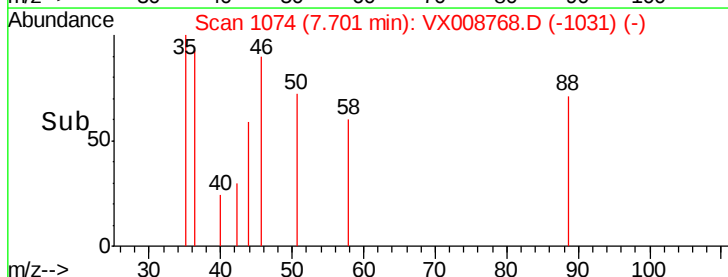
58 88.1 62.2 93.2

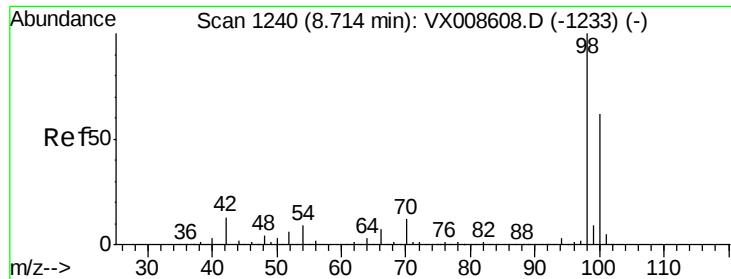


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

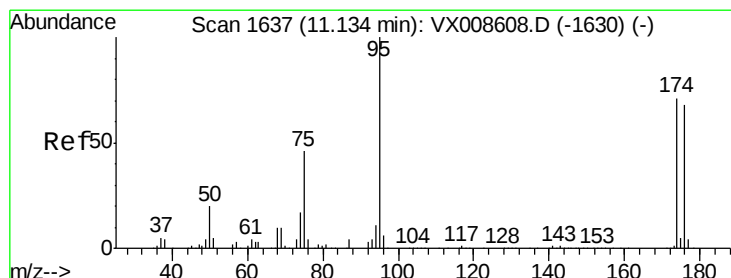
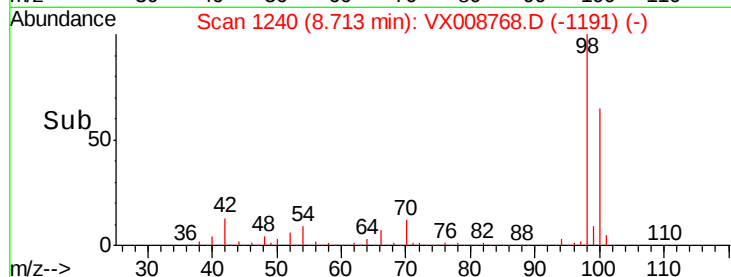
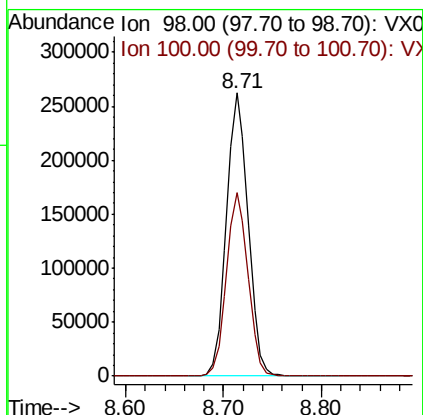
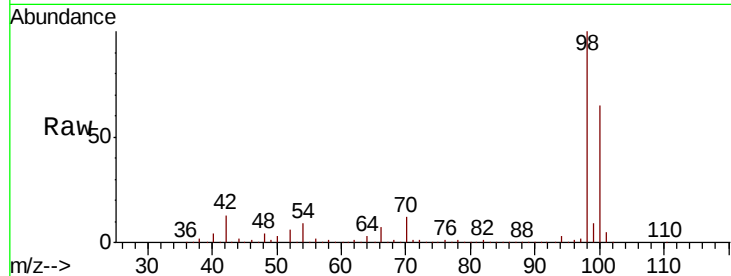




#50
Toluene-d8
Concen: 47.743 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008768.D
Acq: 09 Apr 2019 14:05

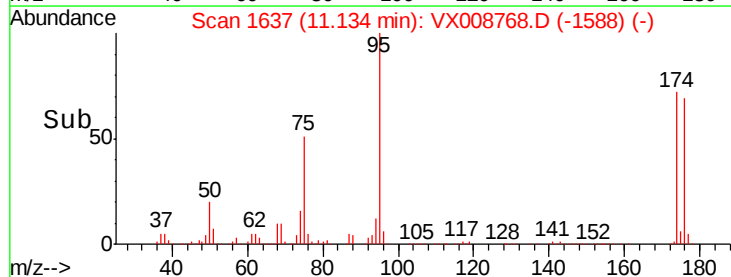
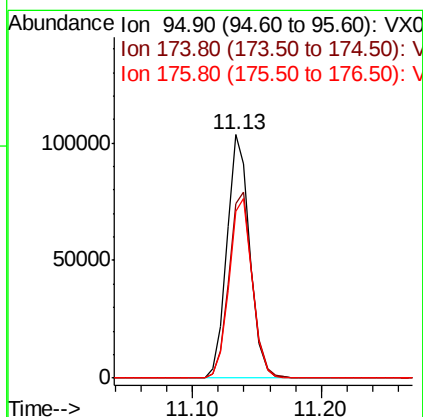
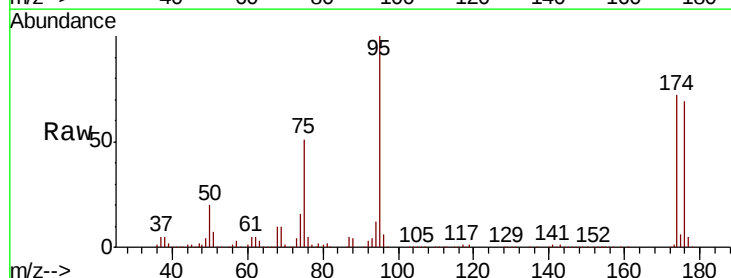
Instrument :
MSVOA_X
ClientSampleId :
VX0409WBL02

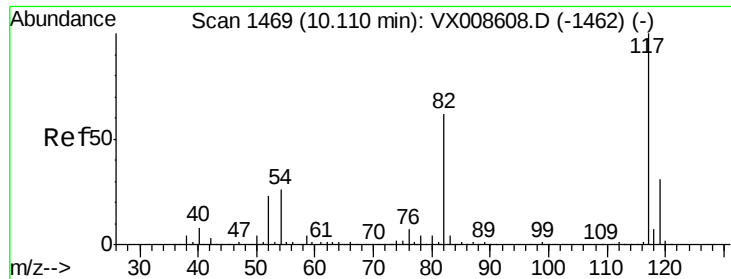
Tgt Ion: 98 Resp: 402993
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.110 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008768.D
Acq: 09 Apr 2019 14:05

Tgt Ion: 95 Resp: 129040
Ion Ratio Lower Upper
95 100
174 78.4 0.0 151.8
176 75.2 0.0 145.8

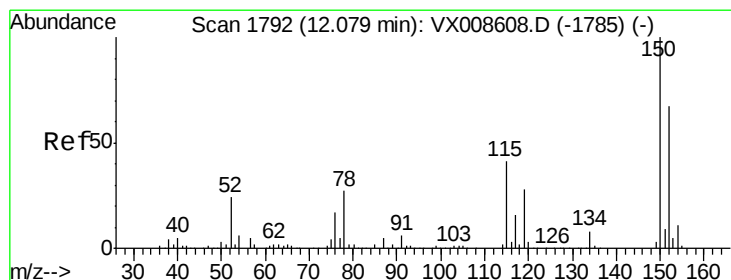
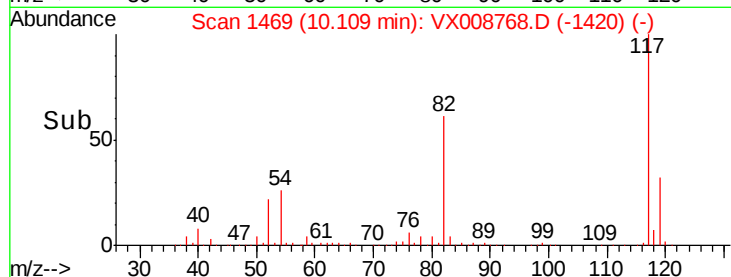
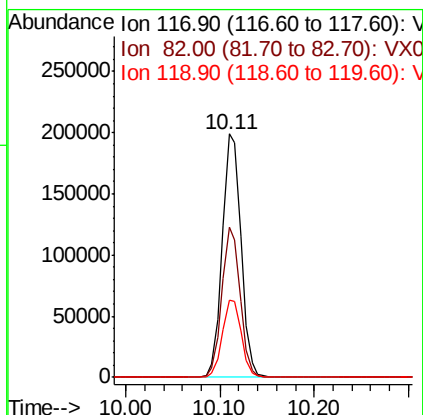
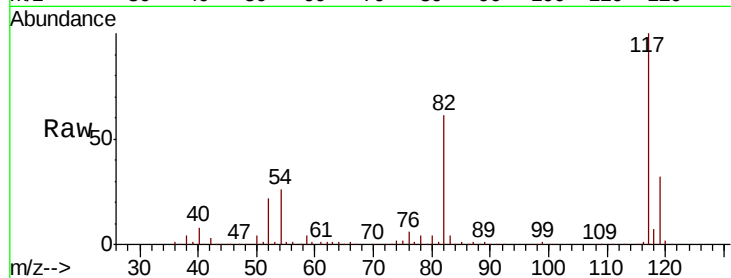




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008768.D
Acq: 09 Apr 2019 14:05

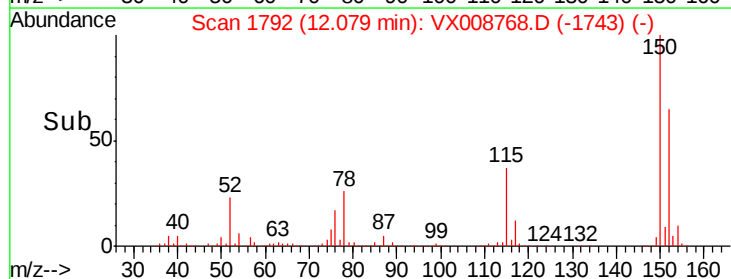
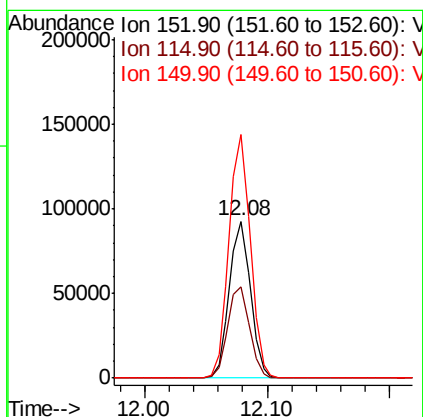
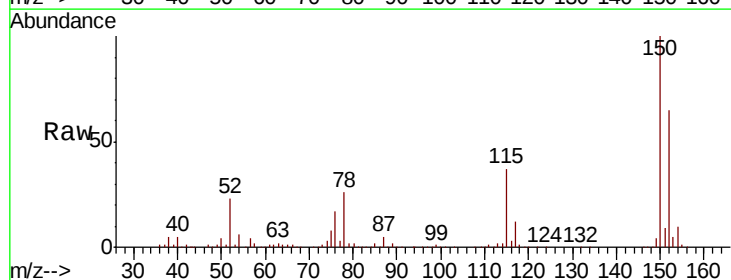
Instrument :
MSVOA_X
ClientSampled :
VX0409WBL02

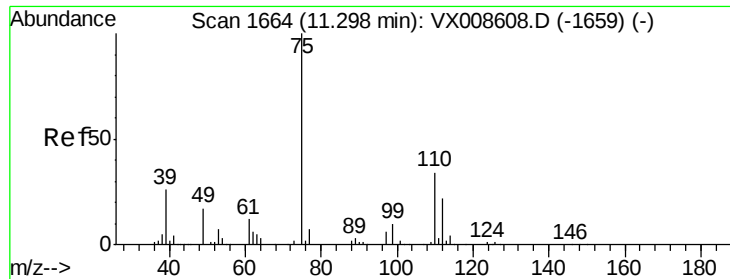
Tgt Ion:117 Resp: 275119
Ion Ratio Lower Upper
117 100
82 61.5 49.6 74.4
119 31.8 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008768.D
Acq: 09 Apr 2019 14:05

Tgt Ion:152 Resp: 111101
Ion Ratio Lower Upper
152 100
115 59.8 43.5 130.5
150 156.5 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 21.395 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008768.D

Acq: 09 Apr 2019 14:05

Instrument :

MSVOA_X

ClientSampleId :

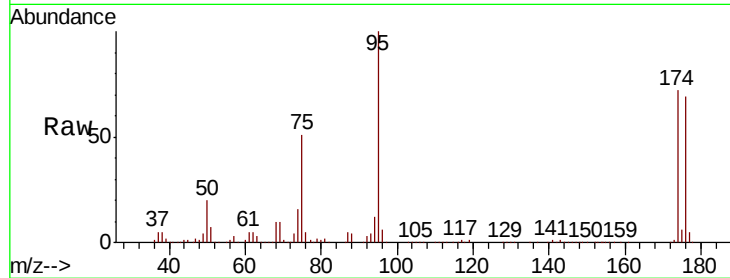
VX0409WBL02

Tgt Ion: 75 Resp: 65298

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

11.13

60000

50000

40000

30000

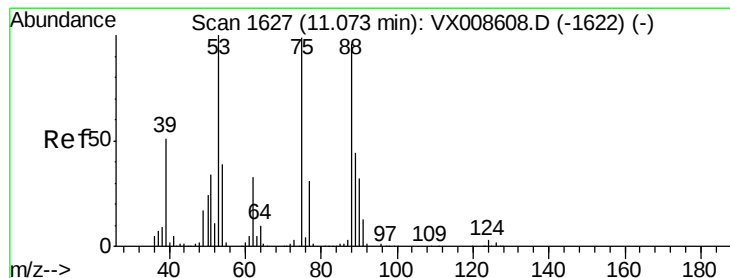
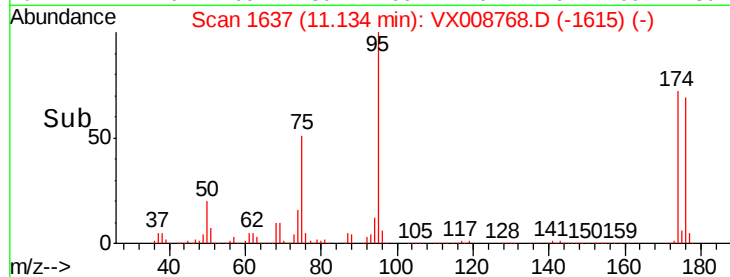
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 58.976 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008768.D

Acq: 09 Apr 2019 14:05

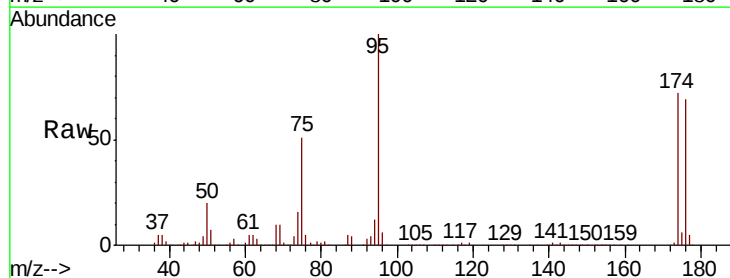
Tgt Ion: 75 Resp: 65298

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 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

60000

40000

20000

0

Time-->

11.10 11.20

