

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040119\
 Data File : VX008561.D
 Acq On : 01 Apr 2019 11:54
 Operator : JC/SP
 Sample : VX0401WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0401WBL01

Quant Time: Apr 02 01:09:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	206508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	341874	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	289722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121017	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	142621	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	
35) Dibromofluoromethane	5.49	113	105437	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
50) Toluene-d8	8.71	98	423794	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
62) 4-Bromofluorobenzene	11.13	95	141973	42.98	ug/l	0.00
Spiked Amount			Recovery	=	85.96%	

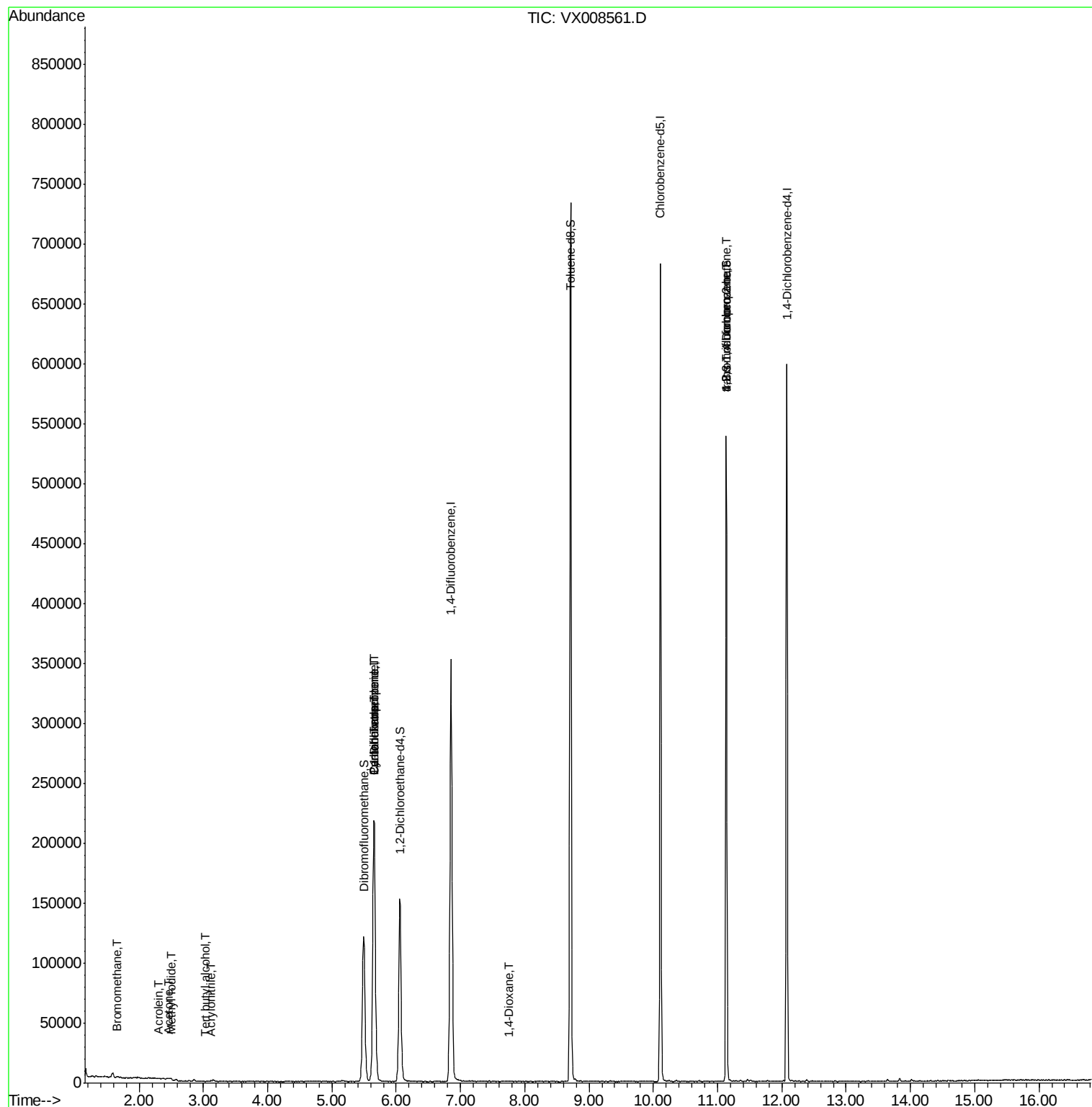
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	460	Below Cal	#	83
5) Bromomethane	1.66	94	616	2.141	ug/l #	56
10) Methyl Iodide	2.51	142	387	4.286	ug/l #	88
11) Tert butyl alcohol	3.04	59	150	0.216	ug/l #	88
13) Acrolein	2.29	56	323	0.641	ug/l #	14
15) Acrylonitrile	3.13	53	365	0.201	ug/l #	9
16) Acetone	2.45	43	426	0.260	ug/l #	66
17) Carbon Disulfide	2.57	76	1589	Below Cal		100
20) Methylene Chloride	2.86	84	554	Below Cal	#	71
21) trans-1,2-Dichloroethene	3.18	96	290	Below Cal	#	57
31) Cyclohexane	5.65	56	4955	0.987	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	17572	4.821	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20415	6.711	ug/l #	16
49) 1,4-Dioxane	7.76	88	98	1.304	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	72496	20.150	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	72496	64.539	ug/l #	9

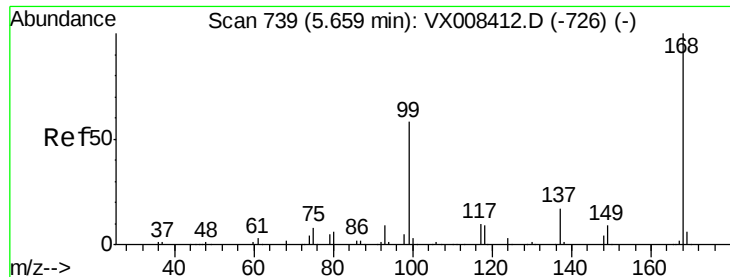
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 07:57:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX008561.D

Acq: 01 Apr 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

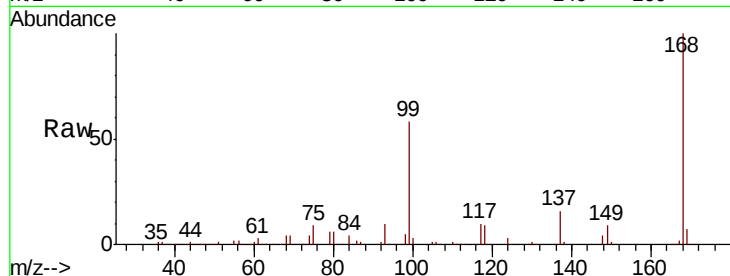
VX0401WBL01

Tot Ion:168 Resp: 206508

Ion Ratio Lower Upper

168 100

99 57.5 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

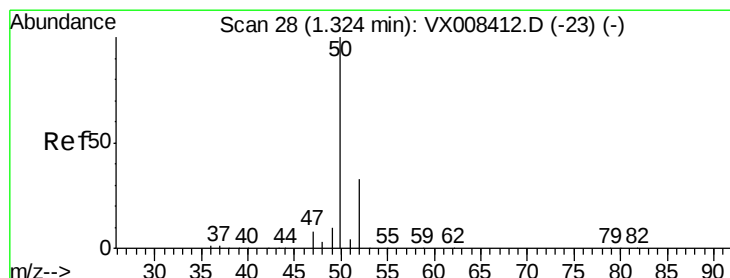
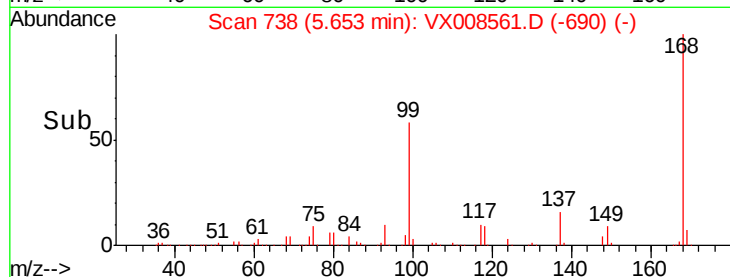
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008561.D

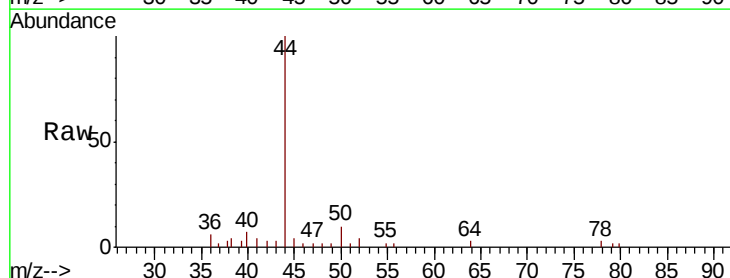
Acq: 01 Apr 2019 11:54

Tgt Ion: 50 Resp: 460

Ion Ratio Lower Upper

50 100

52 42.4 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

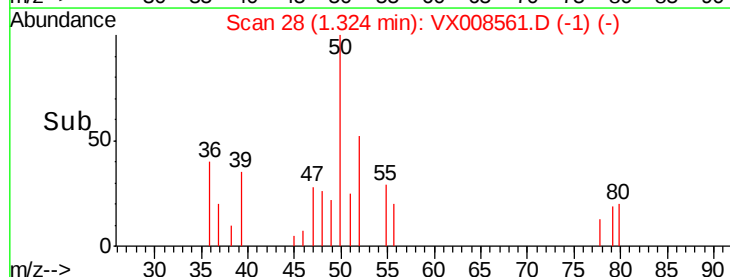
200

100

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 2.141 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX008561.D

Acq: 01 Apr 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

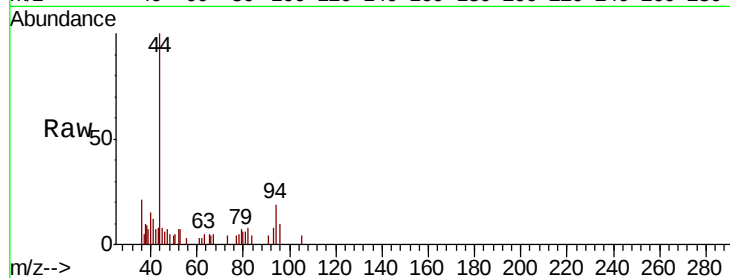
VX0401WBL01

Tot Ion: 94 Resp: 616

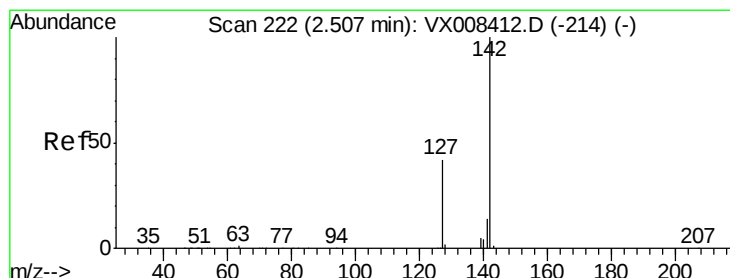
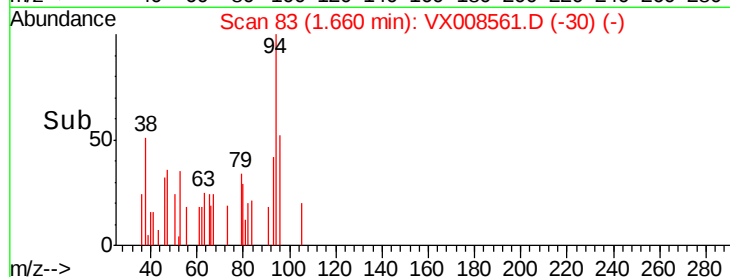
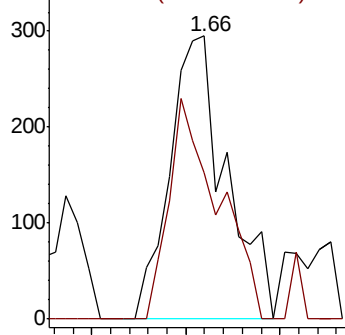
Ion Ratio Lower Upper

94 100

96 51.5 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#10

Methyl Iodide

Concen: 4.286 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008561.D

Acq: 01 Apr 2019 11:54

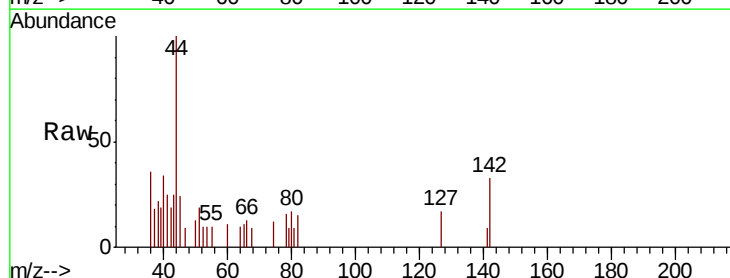
Tgt Ion: 142 Resp: 387

Ion Ratio Lower Upper

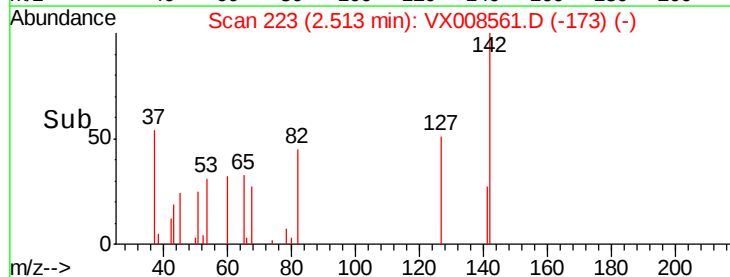
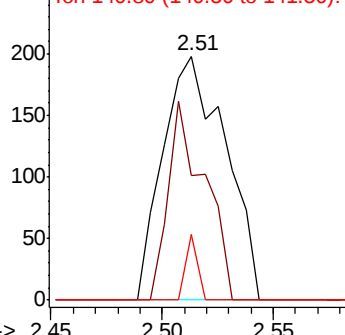
142 100

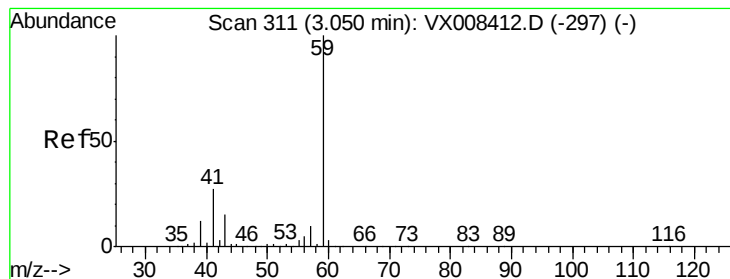
127 47.5 33.6 50.4

141 4.9 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V





#11

Tert butyl alcohol

Concen: 0.216 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX008561.D

Acq: 01 Apr 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

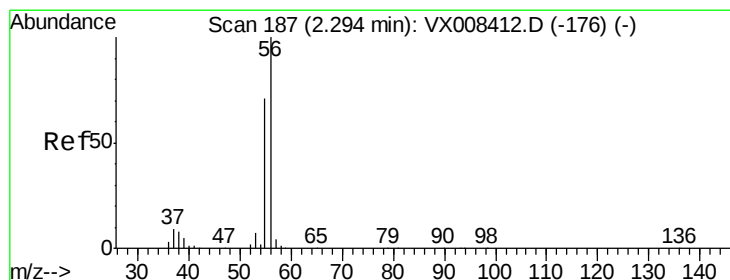
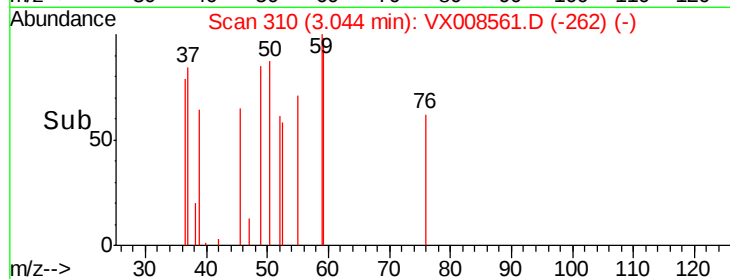
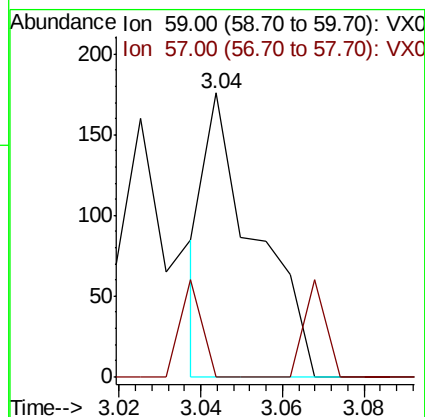
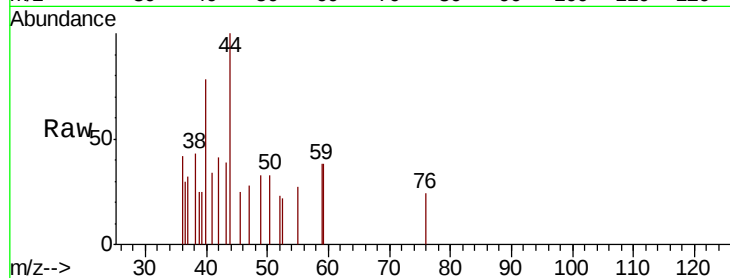
VX0401WBL01

Tot Ion: 59 Resp: 150

Ion Ratio Lower Upper

59 100

57 14.7 8.2 12.4#



#13

Acrolein

Concen: 0.641 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008561.D

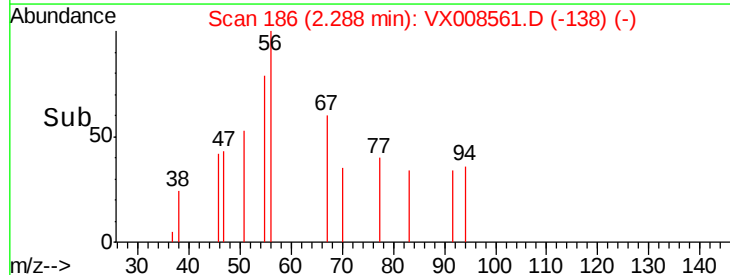
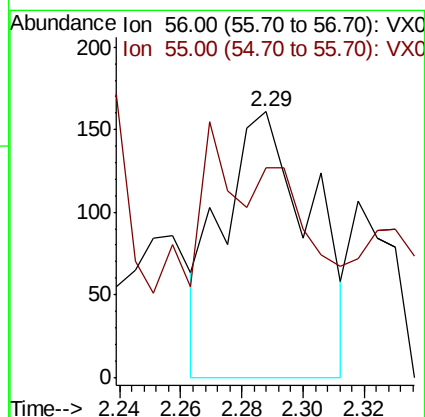
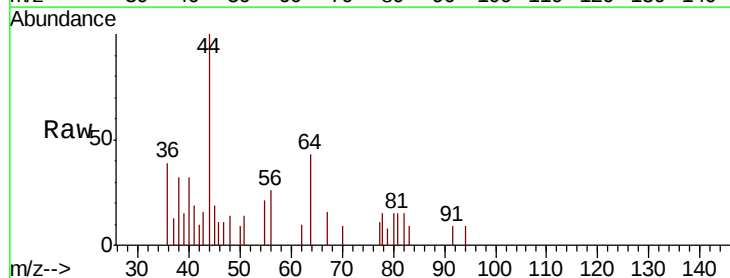
Acq: 01 Apr 2019 11:54

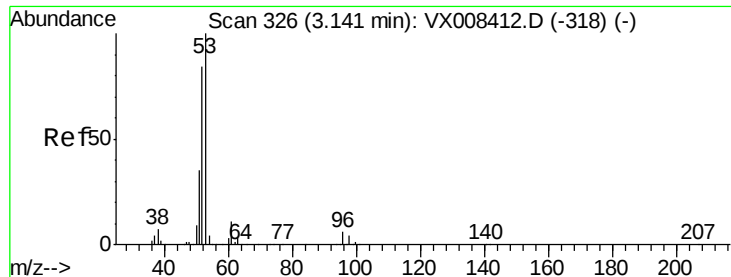
Tgt Ion: 56 Resp: 323

Ion Ratio Lower Upper

56 100

55 0.0 56.5 84.7#





#15

Acrylonitrile

Concen: 0.201 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX008561.D

Acq: 01 Apr 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

VX0401WBL01

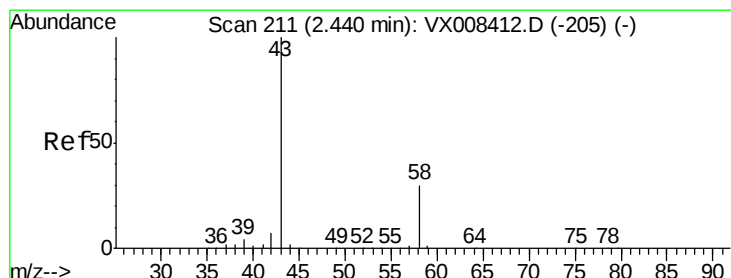
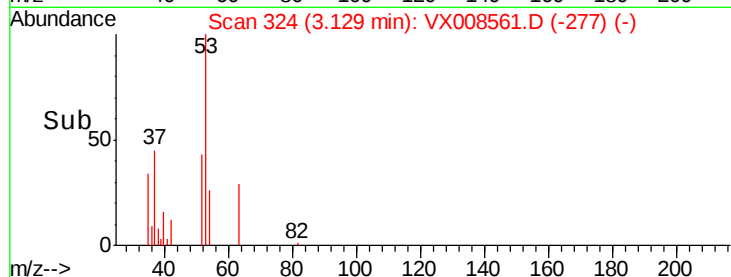
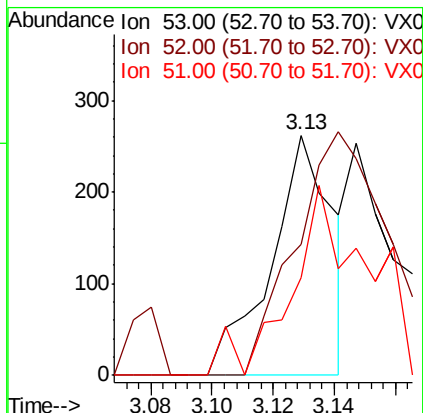
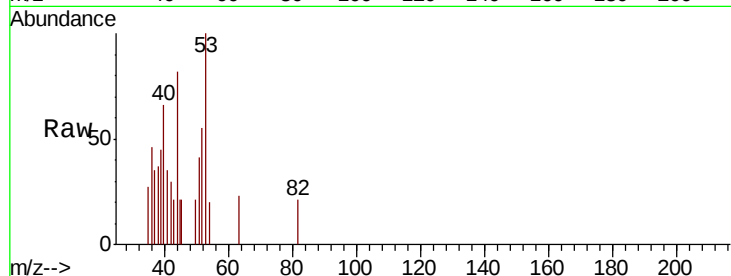
Tot Ion: 53 Resp: 365

Ion Ratio Lower Upper

53 100

52 154.2 66.5 99.7#

51 104.1 28.3 42.5#



#16

Acetone

Concen: 0.260 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008561.D

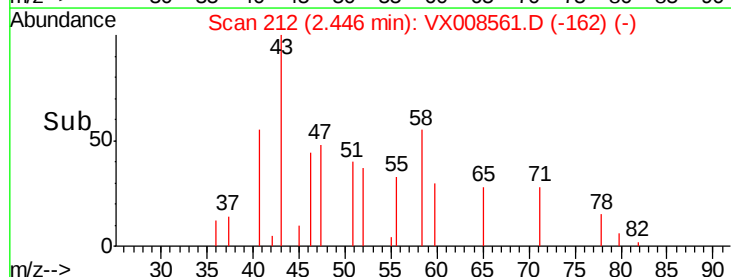
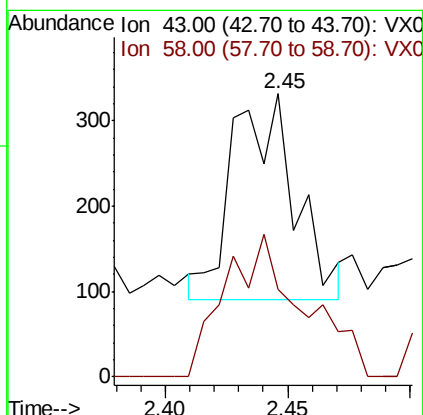
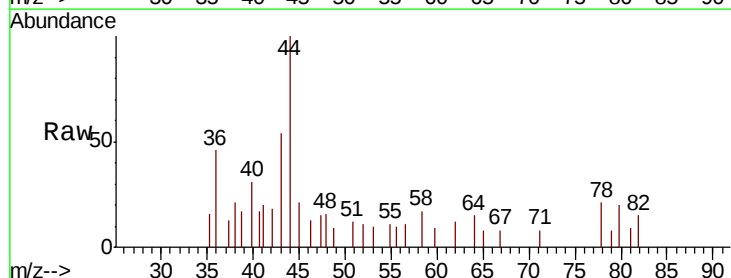
Acq: 01 Apr 2019 11:54

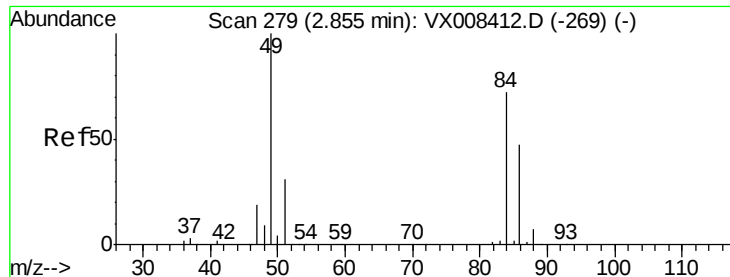
Tgt Ion: 43 Resp: 426

Ion Ratio Lower Upper

43 100

58 48.6 24.2 36.2#

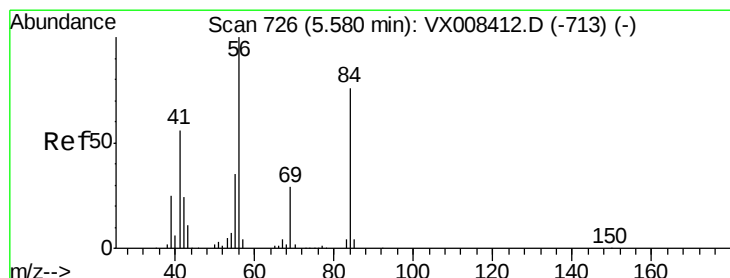
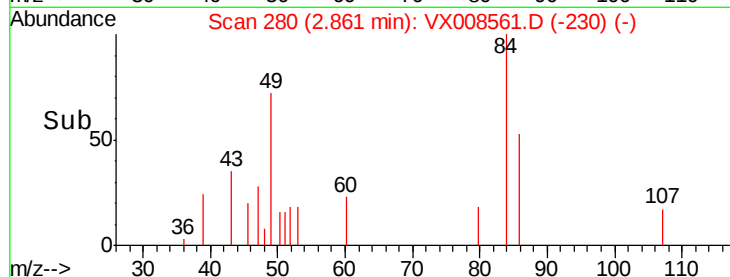
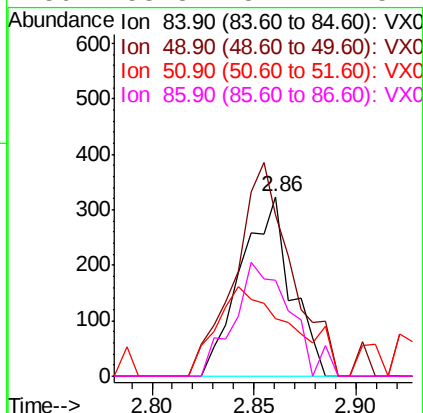
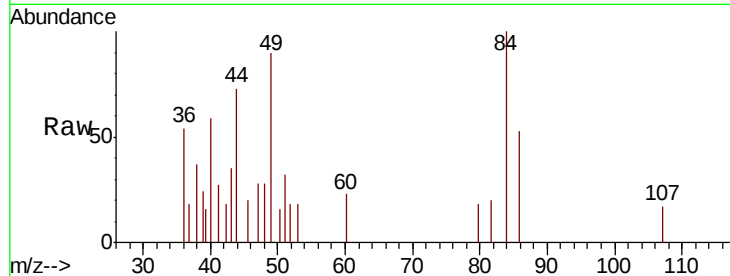




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008561.D
Acq: 01 Apr 2019 11:54

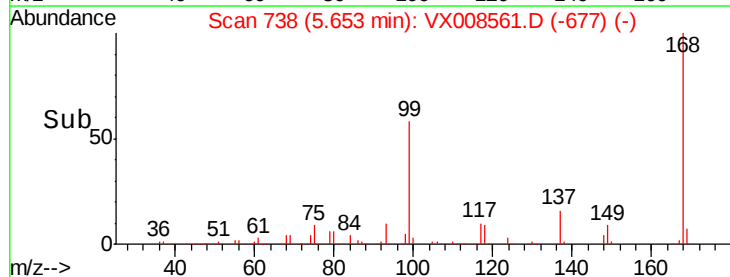
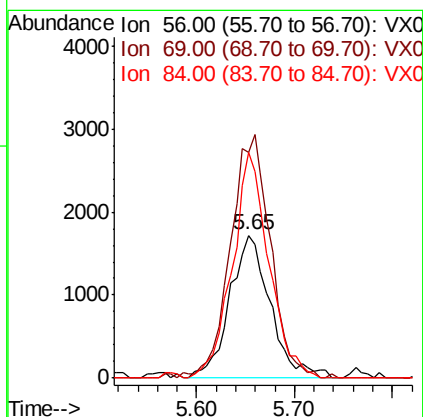
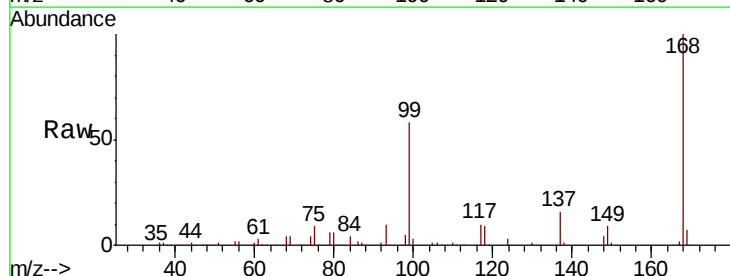
Instrument :
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ClientSampleId :
VX0401WBL01

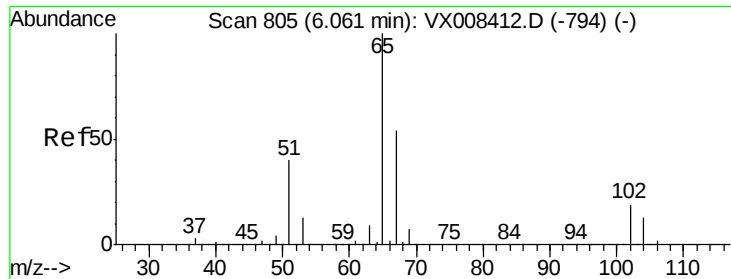
Tot Ion: 84 Resp: 554
Ion Ratio Lower Upper
84 100
49 89.8 110.6 165.8#
51 32.2 33.9 50.9#
86 53.3 52.2 78.2



#31
Cyclohexane
Concen: 0.987 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX008561.D
Acq: 01 Apr 2019 11:54

Tgt Ion: 56 Resp: 4955
Ion Ratio Lower Upper
56 100
69 158.2 23.2 34.8#
84 157.8 60.7 91.1#





#33

1,2-Dichloroethane-d4

Concen: 45.555 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX008561.D

Acq: 01 Apr 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

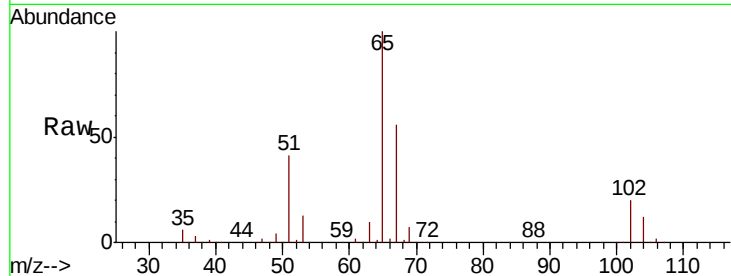
VX0401WBL01

Tot Ion: 65 Resp: 142621

Ion Ratio Lower Upper

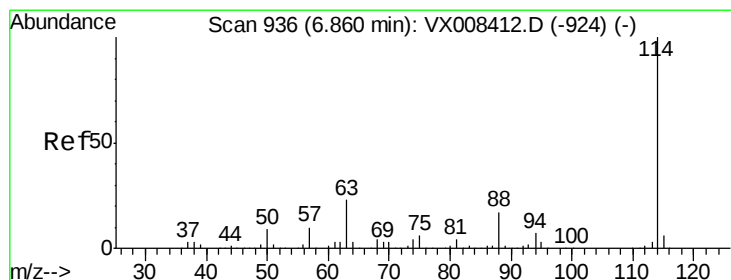
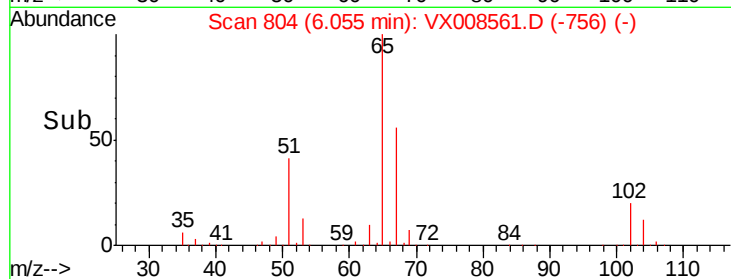
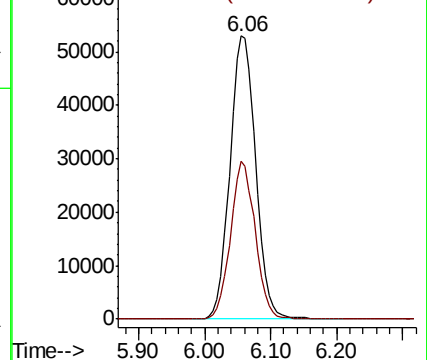
65 100

67 53.6 0.0 109.4



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: VX008561.D

Acq: 01 Apr 2019 11:54

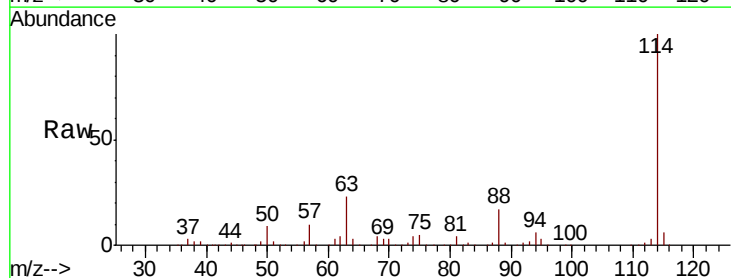
Tgt Ion: 114 Resp: 341874

Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.4

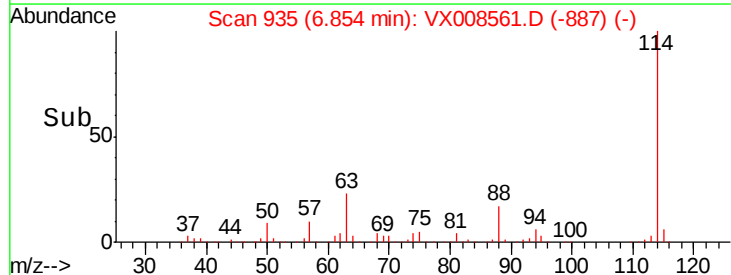
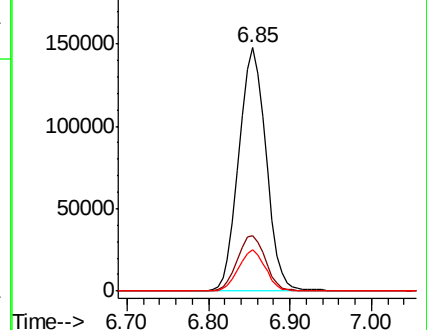
88 17.1 0.0 33.2

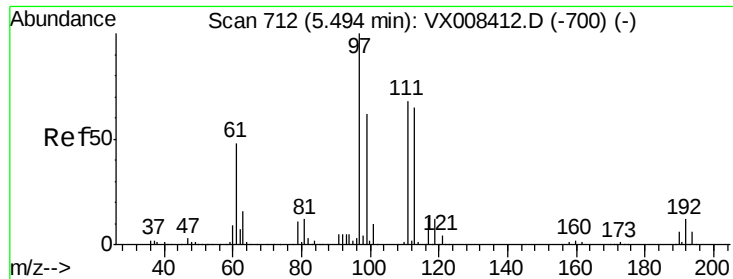


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.299 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008561.D

Acq: 01 Apr 2019 11:54

Instrument :

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ClientSampleId :

VX0401WBL01

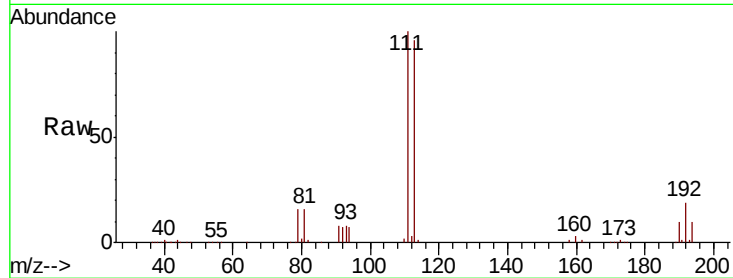
Tot Ion:113 Resp: 105437

Ion Ratio Lower Upper

113 100

111 102.2 83.0 124.4

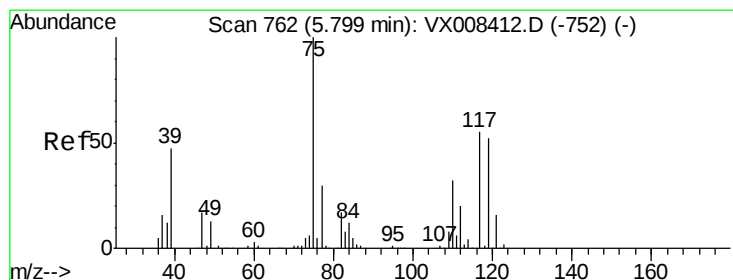
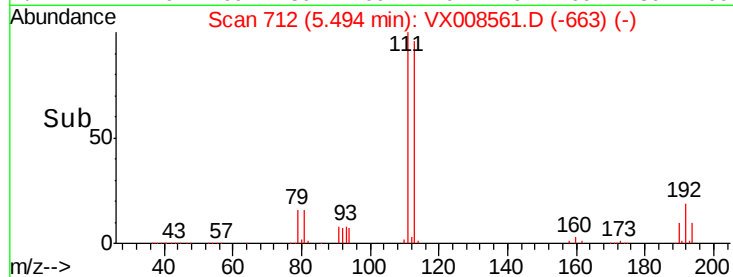
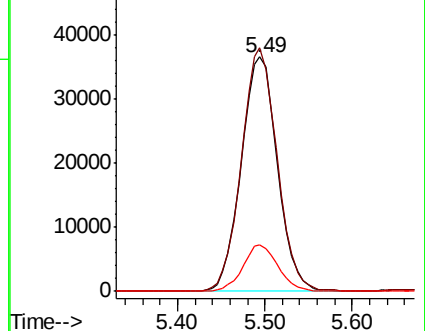
192 19.3 15.6 23.4



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: 4.821 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX008561.D

Acq: 01 Apr 2019 11:54

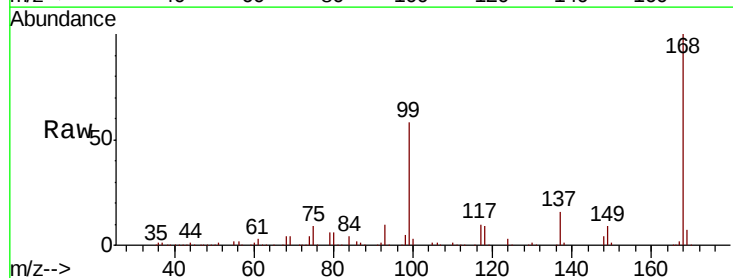
Tgt Ion: 75 Resp: 17572

Ion Ratio Lower Upper

75 100

110 8.1 16.6 49.7#

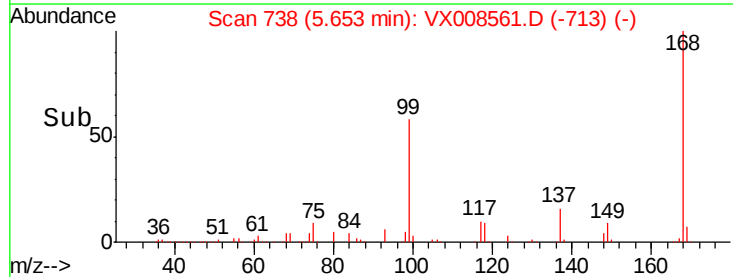
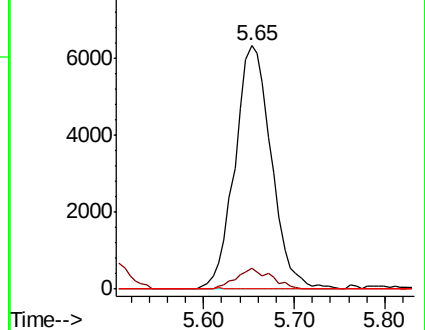
77 0.0 24.2 36.2#

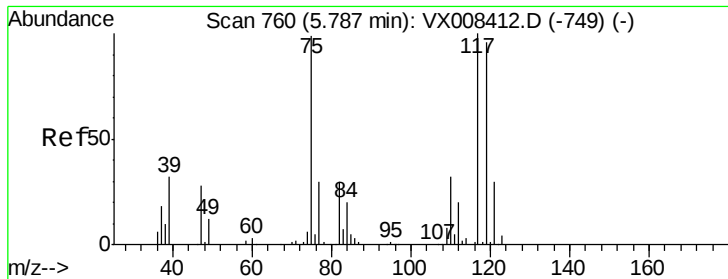


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.711 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008561.D

Acq: 01 Apr 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

VX0401WBL01

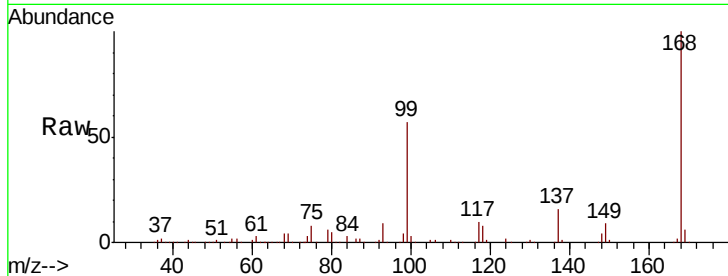
Tot Ion:117 Resp: 20415

Ion Ratio Lower Upper

117 100

119 5.4 76.7 115.1#

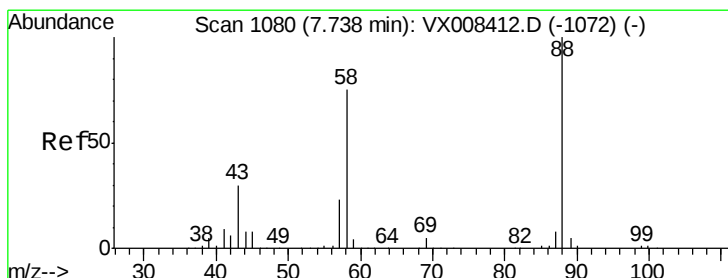
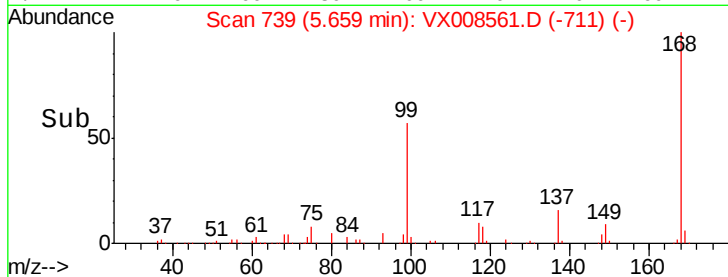
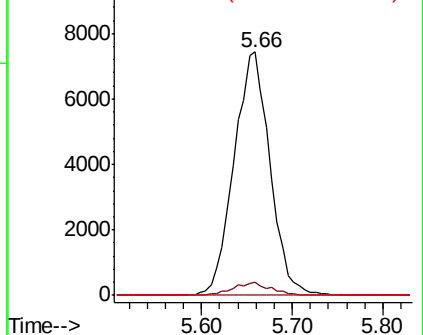
121 0.0 24.3 36.5#



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: 1.304 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX008561.D

Acq: 01 Apr 2019 11:54

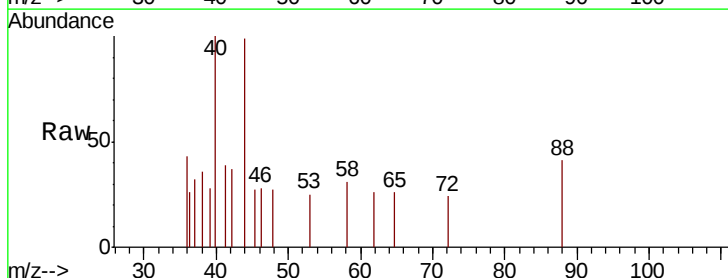
Tgt Ion: 88 Resp: 98

Ion Ratio Lower Upper

88 100

43 111.2 28.6 43.0#

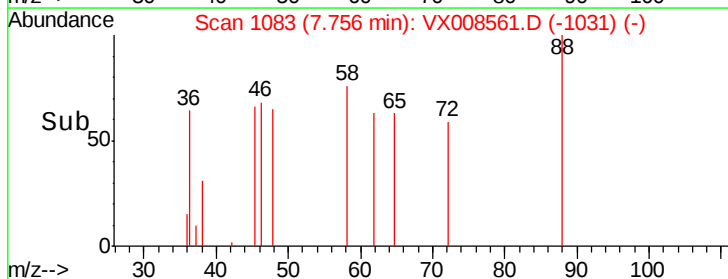
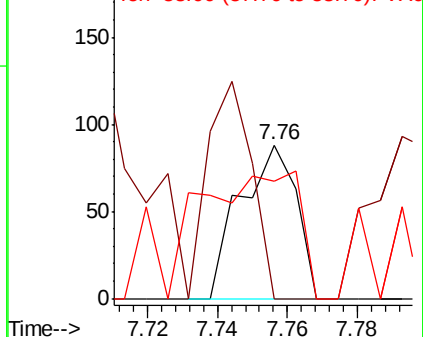
58 163.3 63.0 94.4#

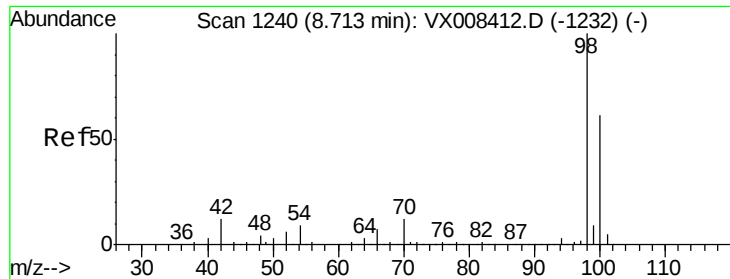


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.545 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008561.D

Acq: 01 Apr 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

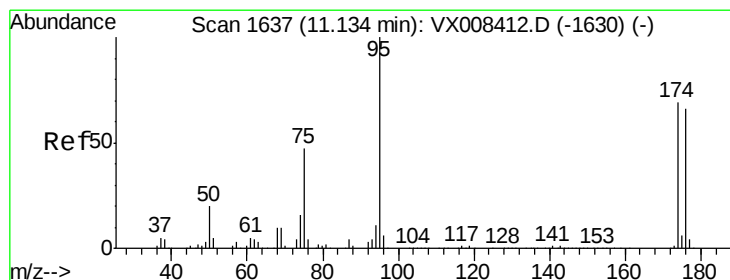
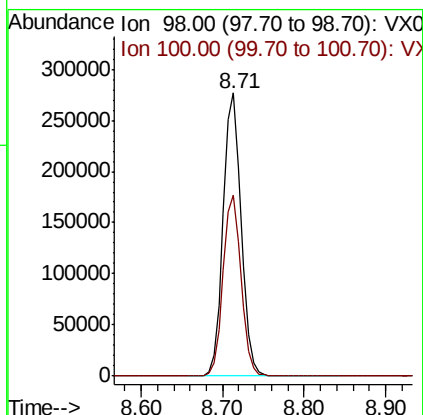
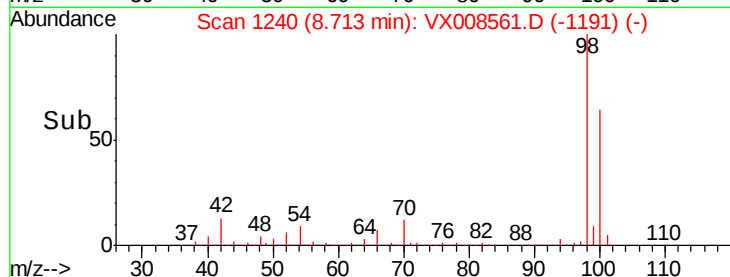
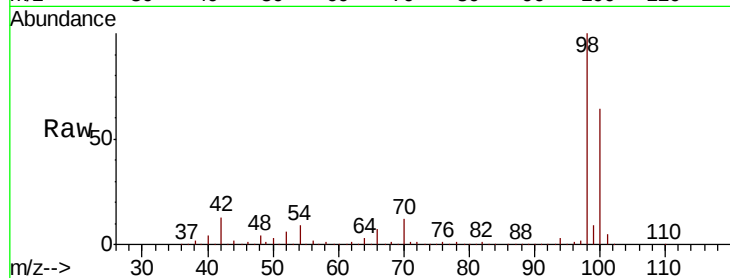
VX0401WBL01

Tot Ion: 98 Resp: 423794

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 42.983 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008561.D

Acq: 01 Apr 2019 11:54

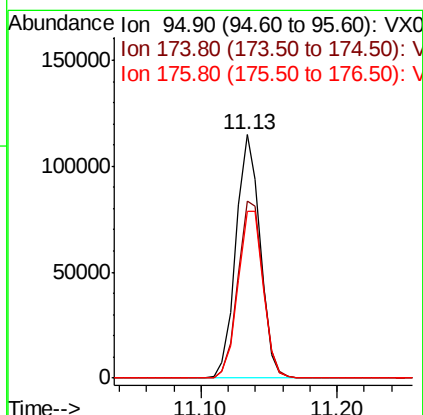
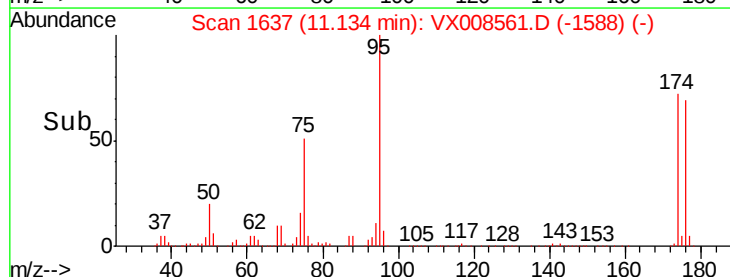
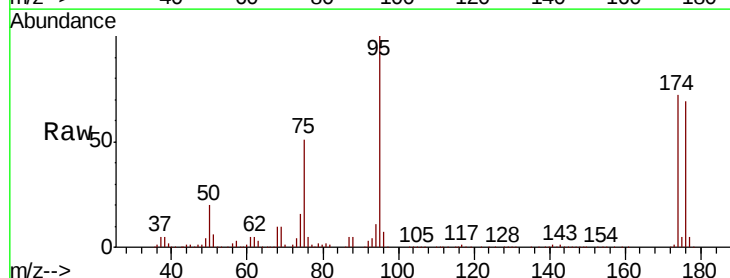
Tgt Ion: 95 Resp: 141973

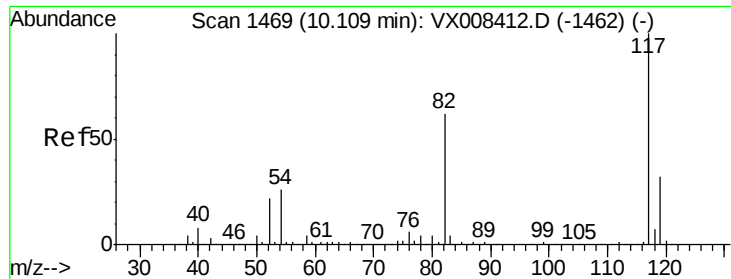
Ion Ratio Lower Upper

95 100

174 75.7 0.0 147.2

176 72.3 0.0 142.4

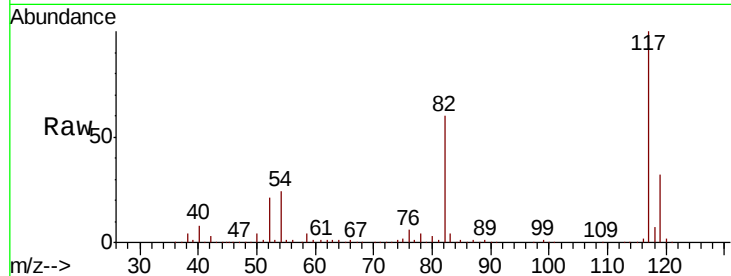




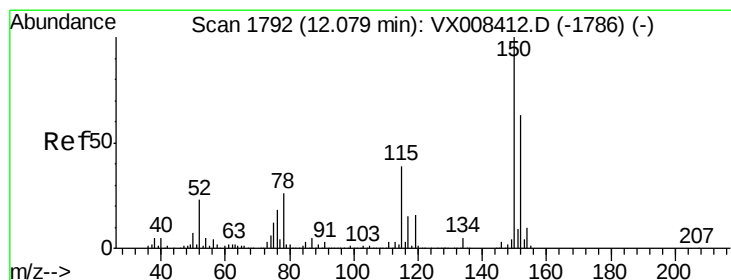
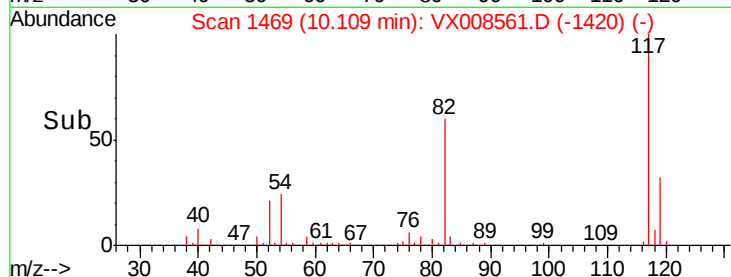
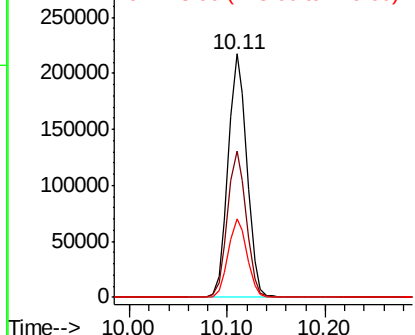
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008561.D
Acq: 01 Apr 2019 11:54

Instrument :
MSVOA_X
ClientSampleId :
VX0401WBL01

Tot Ion:117 Resp: 289722
Ion Ratio Lower Upper
117 100
82 60.2 49.4 74.2
119 32.4 25.4 38.0

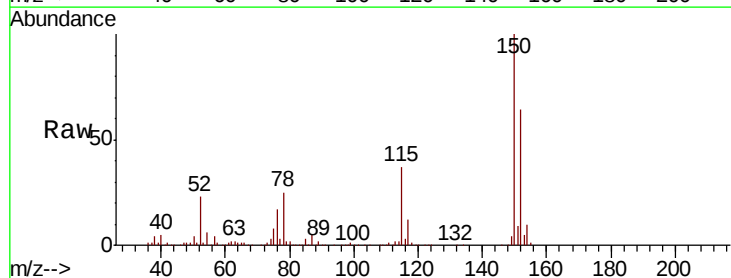


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

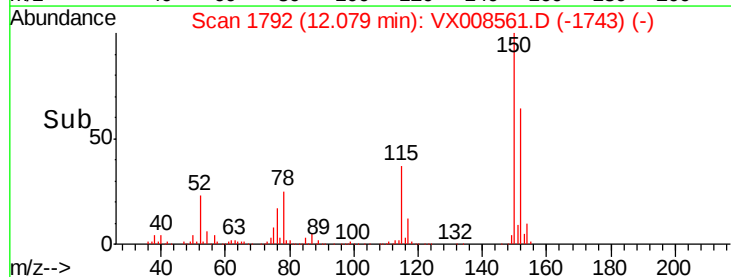
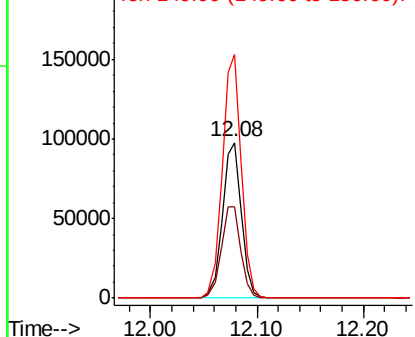


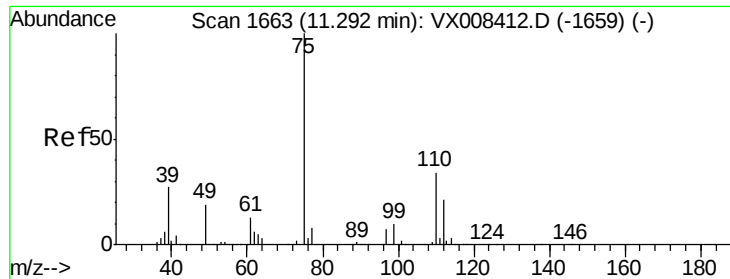
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008561.D
Acq: 01 Apr 2019 11:54

Tgt Ion:152 Resp: 121017
Ion Ratio Lower Upper
152 100
115 60.3 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

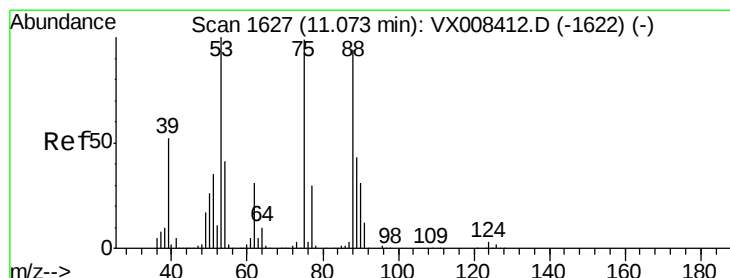
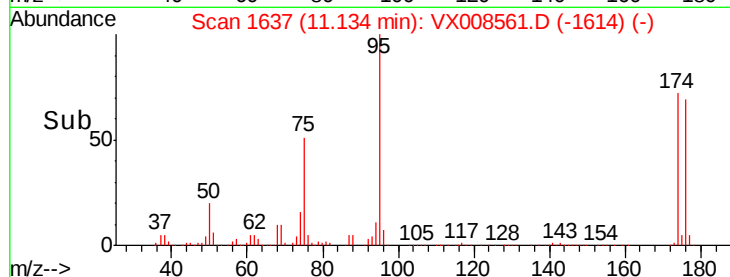
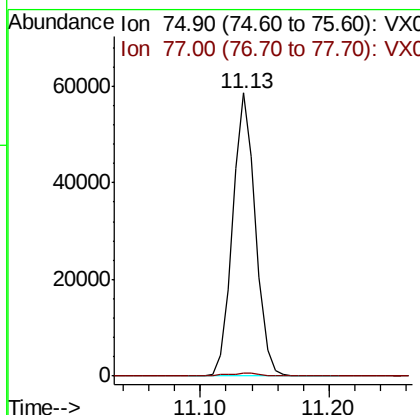
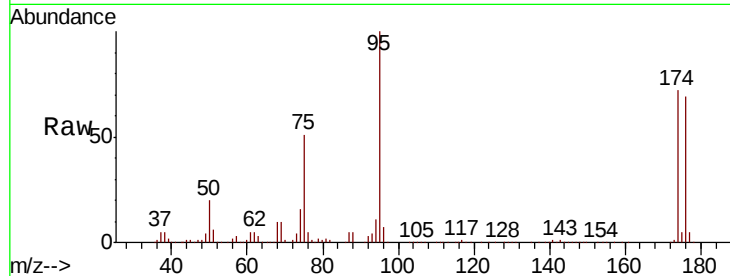




#76
 1,2,3-Trichloropropane
 Concen: 20.150 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008561.D
 Acq: 01 Apr 2019 11:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0401WBL01

Tot Ion: 75 Resp: 72496
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.9 65.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.539 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008561.D
 Acq: 01 Apr 2019 11:54

Tgt Ion: 75 Resp: 72496
 Ion Ratio Lower Upper
 75 100
 53 0.2 82.1 123.1#
 89 0.0 34.6 52.0#

