

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041119\
 Data File : VX008856.D
 Acq On : 11 Apr 2019 16:54
 Operator : JC/SP
 Sample : K2349-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW206-190408

Quant Time: Apr 12 07:35:59 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	197242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	318894	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	274990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113633	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	129267	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	
35) Dibromofluoromethane	5.49	113	93976	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	
50) Toluene-d8	8.71	98	399269	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	11.13	95	131702	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	

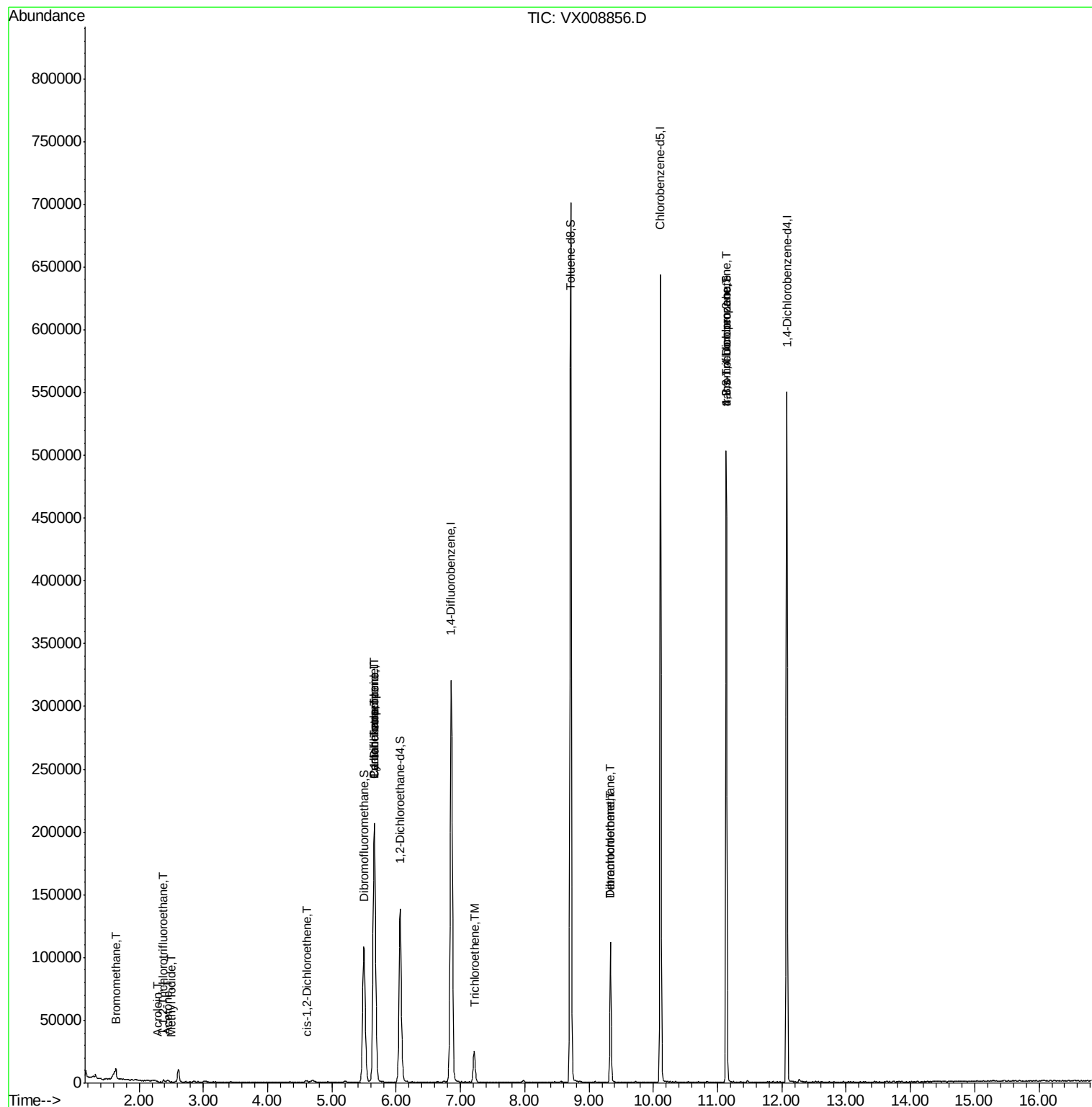
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2011	Below Cal		92
5) Bromomethane	1.64	94	443	2.167 ug/l		98
6) Chloroethane	1.71	64	106	Below Cal	#	43
9) 1,1,2-Trichlorotrifluoroet	2.37	101	557	0.255 ug/l	#	88
10) Methyl Iodide	2.51	142	112	4.055 ug/l	#	76
13) Acrolein	2.28	56	67	0.201 ug/l		90
16) Acetone	2.44	43	2017	1.217 ug/l		93
17) Carbon Disulfide	2.57	76	508	Below Cal	#	71
27) cis-1,2-Dichloroethene	4.60	96	650	0.229 ug/l		80
28) Bromochloromethane	5.00	49	61	Below Cal	#	22
31) Cyclohexane	5.66	56	4399	0.885 ug/l	#	1
36) 1,1-Dichloropropene	5.66	75	15922	4.568 ug/l	#	50
38) Carbon Tetrachloride	5.67	117	18685	6.476 ug/l	#	17
44) Trichloroethene	7.21	130	9587	3.964 ug/l		95
60) Dibromochloromethane	9.34	129	20237	8.739 ug/l	#	11
64) Tetrachloroethene	9.34	164	21887	10.743 ug/l		99
76) 1,2,3-Trichloropropane	11.13	75	66847	21.414 ug/l	#	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66847	59.029 ug/l	#	9

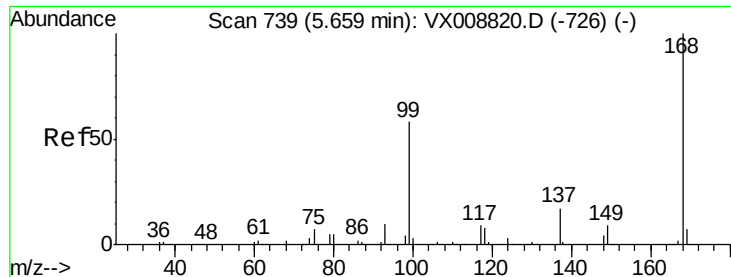
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008856.D

Acq: 11 Apr 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

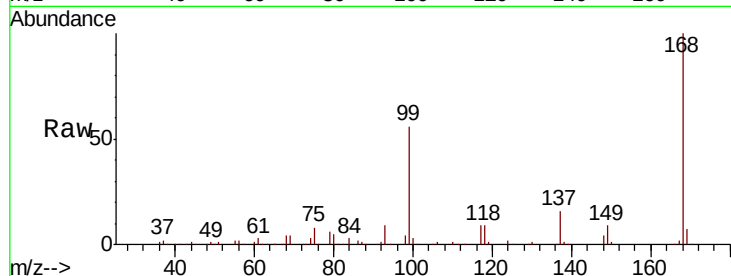
SS037MW206-190408

Tgt Ion:168 Resp: 197242

Ion Ratio Lower Upper

168 100

99 56.1 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

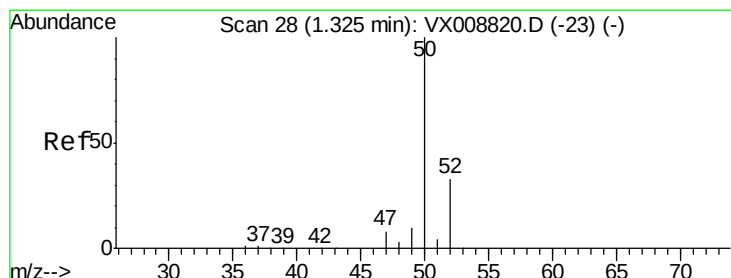
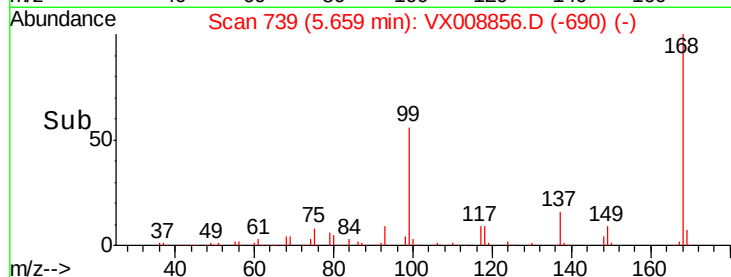
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008856.D

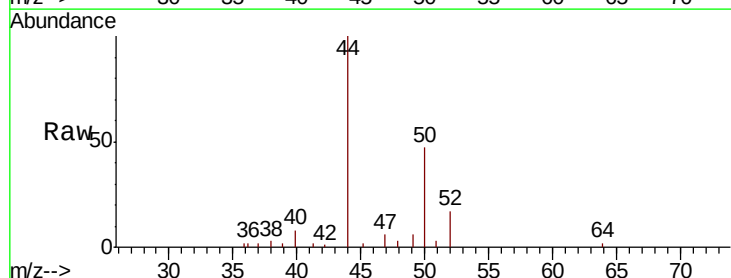
Acq: 11 Apr 2019 16:54

Tgt Ion: 50 Resp: 2011

Ion Ratio Lower Upper

50 100

52 37.0 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

1500

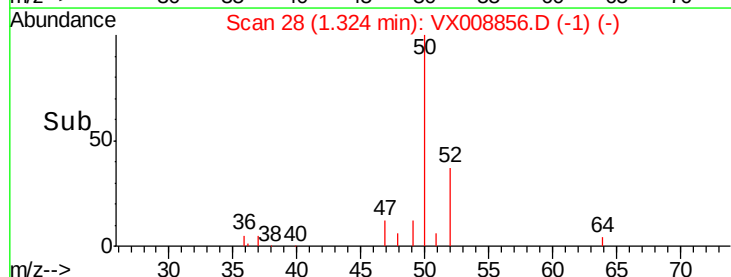
1000

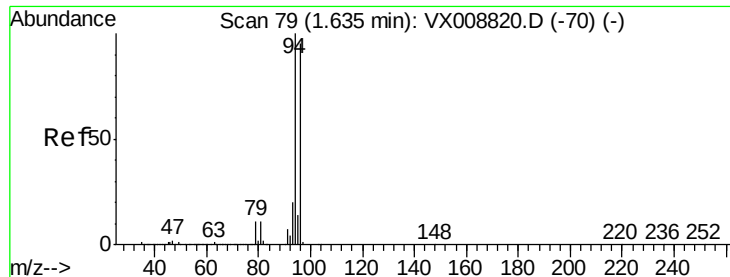
500

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 2.167 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008856.D

Acq: 11 Apr 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

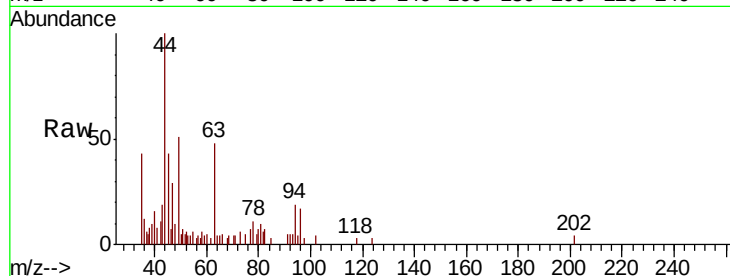
SS037MW206-190408

Tgt Ion: 94 Resp: 443

Ion Ratio Lower Upper

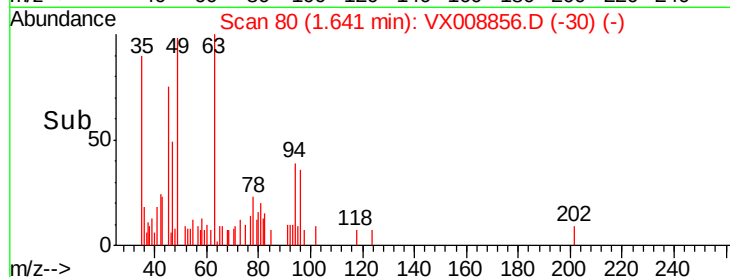
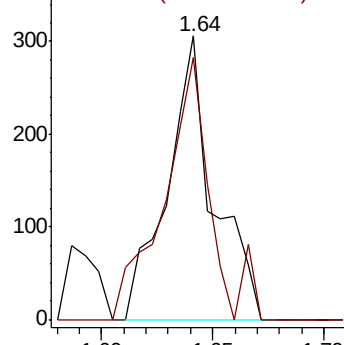
94 100

96 92.5 75.2 112.8

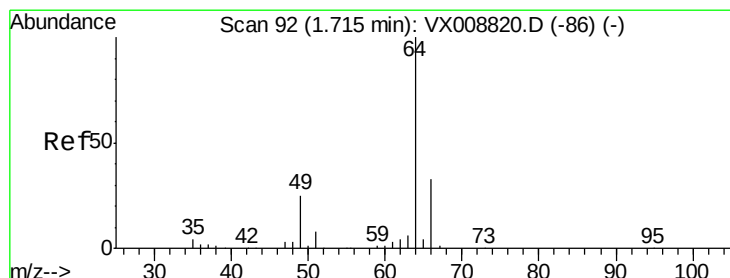


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008856.D

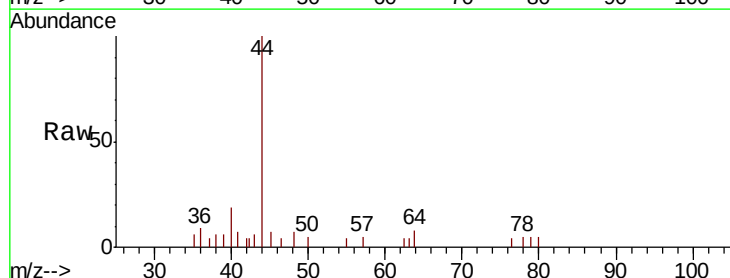
Acq: 11 Apr 2019 16:54

Tgt Ion: 64 Resp: 106

Ion Ratio Lower Upper

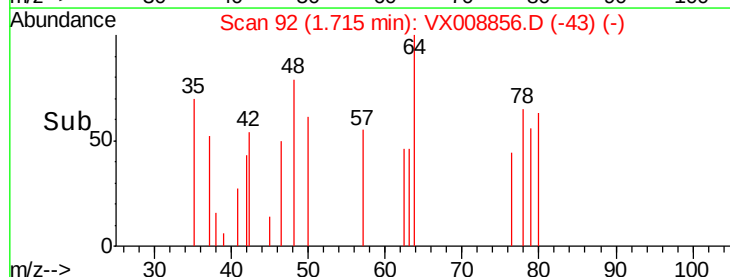
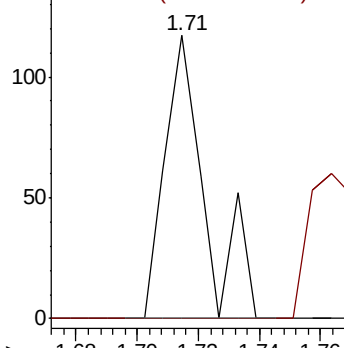
64 100

66 0.0 25.4 38.0#

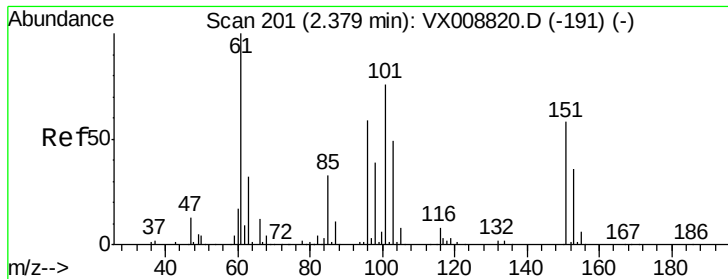


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.255 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008856.D

Acq: 11 Apr 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

SS037MW206-190408

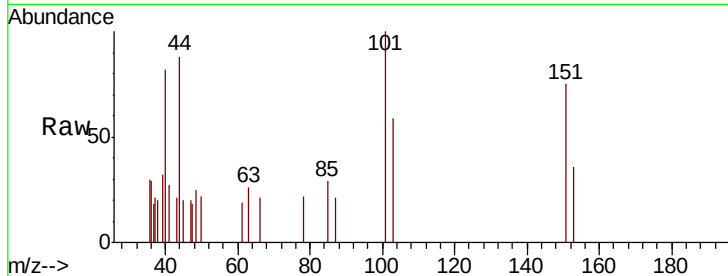
Tgt Ion:101 Resp: 557

Ion Ratio Lower Upper

101 100

85 54.6 36.0 54.0#

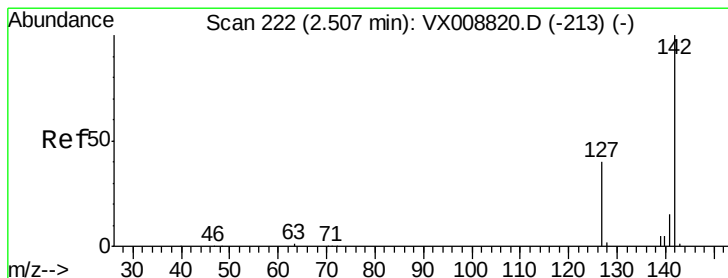
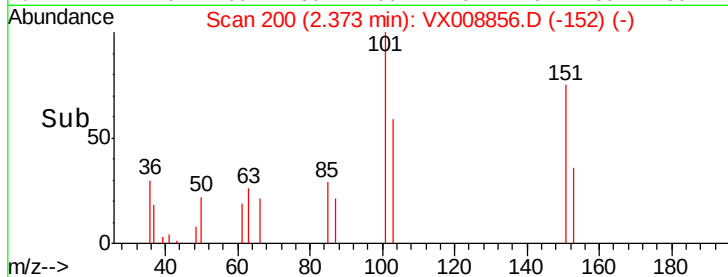
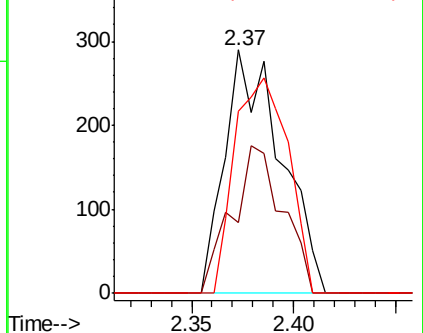
151 84.0 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.055 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008856.D

Acq: 11 Apr 2019 16:54

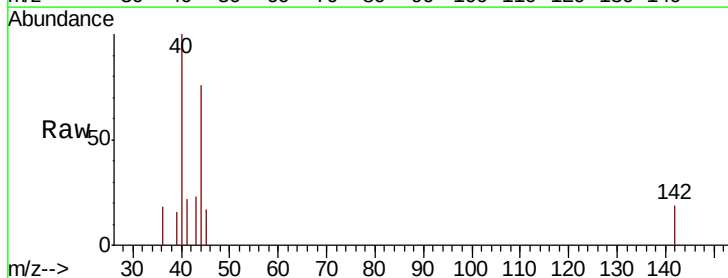
Tgt Ion:142 Resp: 112

Ion Ratio Lower Upper

142 100

127 28.6 33.0 49.6#

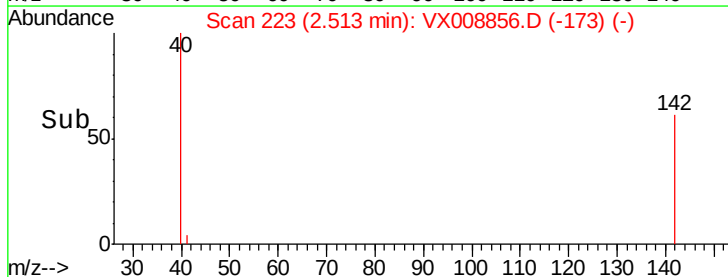
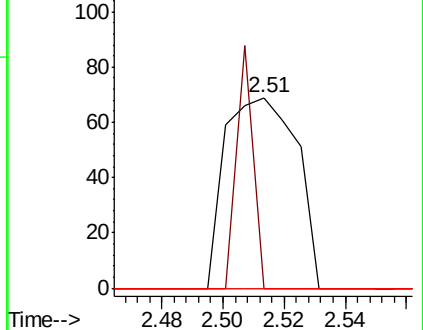
141 0.0 11.4 17.2#

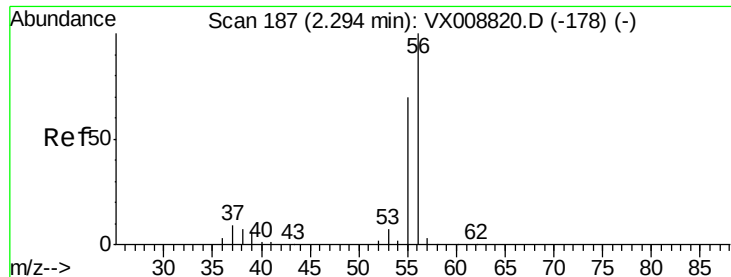


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.201 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX008856.D

Acq: 11 Apr 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

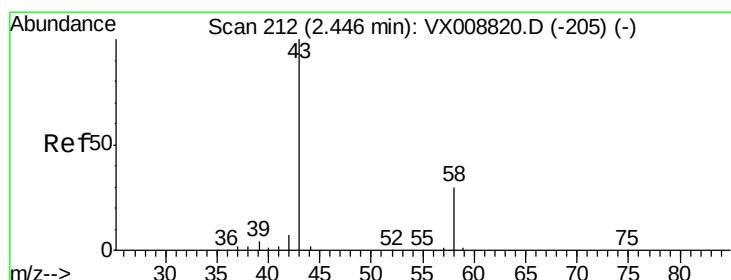
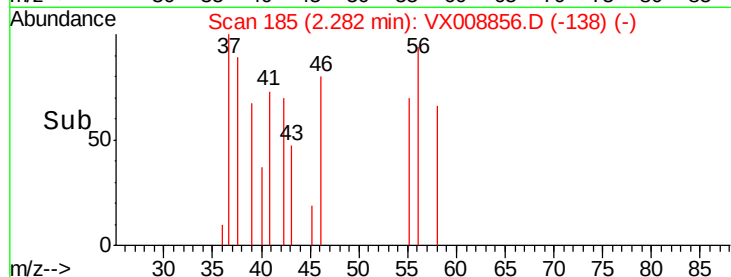
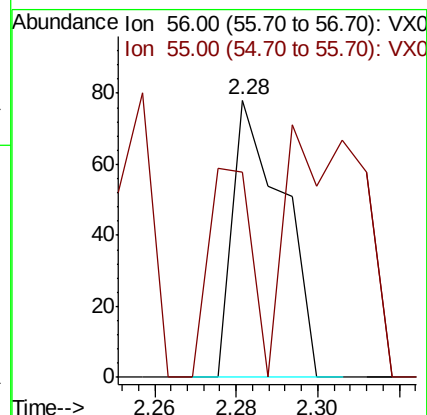
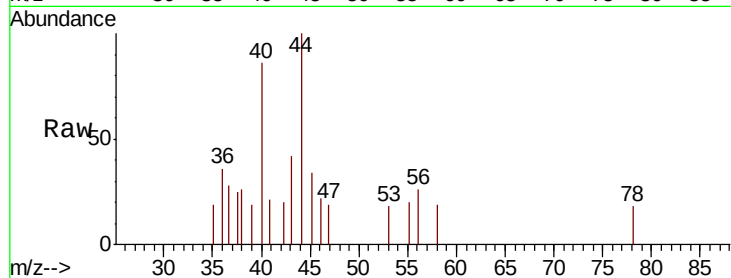
SS037MW206-190408

Tgt Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 64.2 58.0 87.0



#16

Acetone

Concen: 1.217 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008856.D

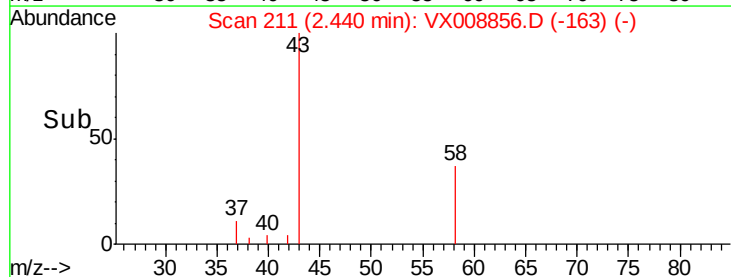
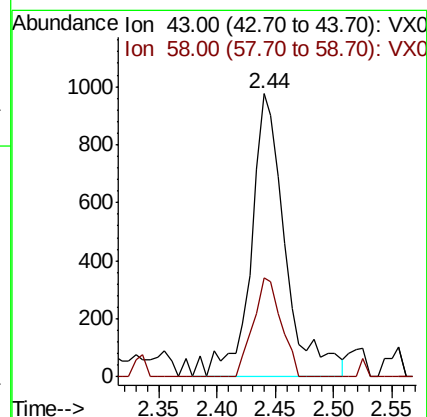
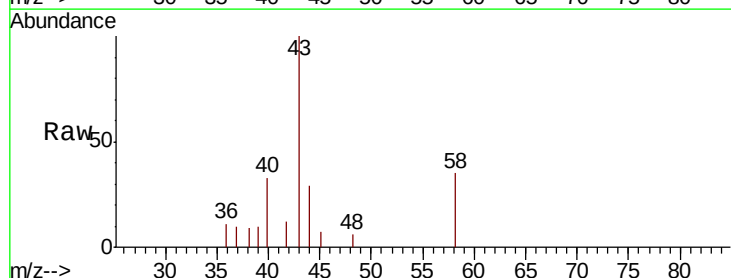
Acq: 11 Apr 2019 16:54

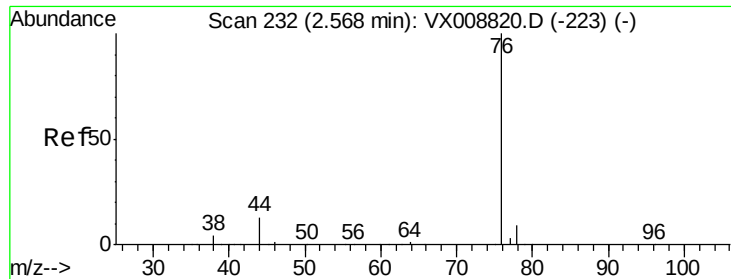
Tgt Ion: 43 Resp: 2017

Ion Ratio Lower Upper

43 100

58 34.9 24.8 37.2





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008856.D

Acq: 11 Apr 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

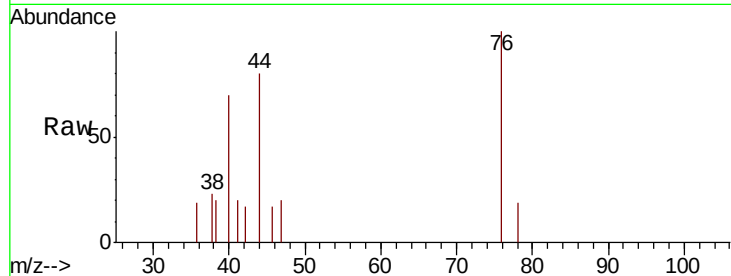
SS037MW206-190408

Tgt Ion: 76 Resp: 508

Ion Ratio Lower Upper

76 100

78 19.4 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

300

200

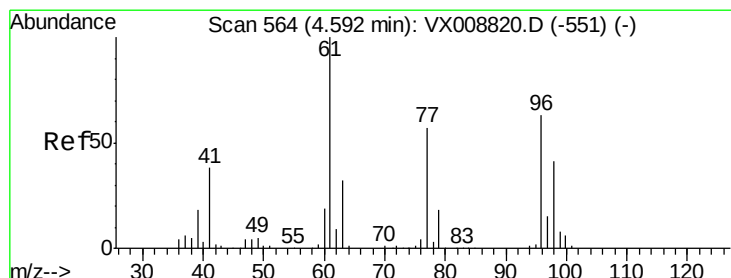
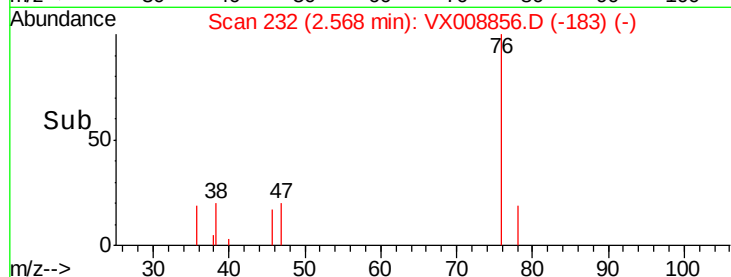
100

0

Time--> 2.50

2.55

2.60



#27

cis-1,2-Dichloroethene

Concen: 0.229 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX008856.D

Acq: 11 Apr 2019 16:54

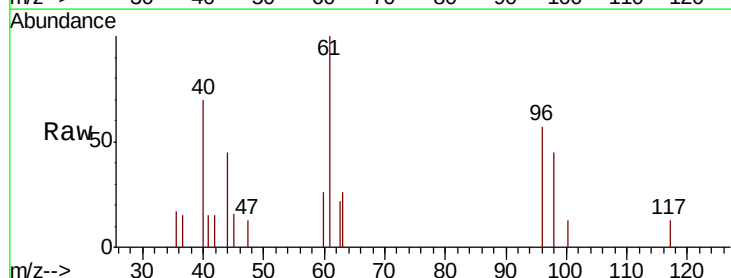
Tgt Ion: 96 Resp: 650

Ion Ratio Lower Upper

96 100

61 181.8 0.0 327.6

98 36.9 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

500

400

300

200

100

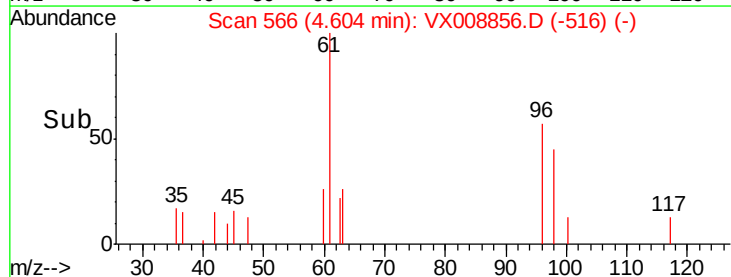
0

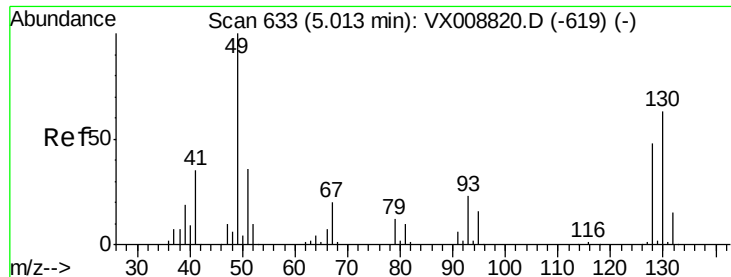
Time--> 4.50

4.55

4.60

4.65





#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.02 min

Lab File: VX008856.D

Acq: 11 Apr 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

SS037MW206-190408

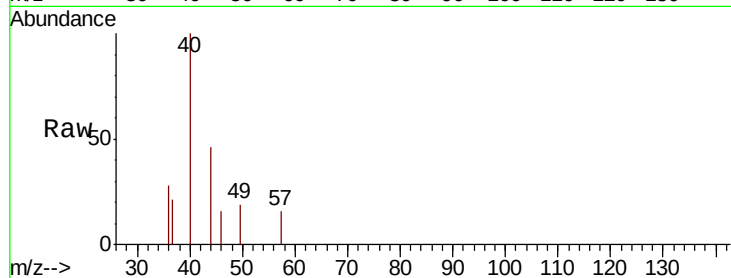
Tgt Ion: 49 Resp: 61

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

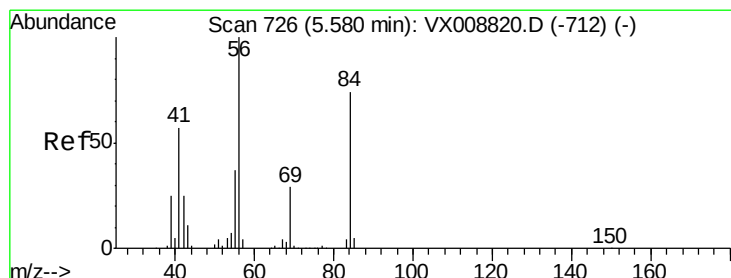
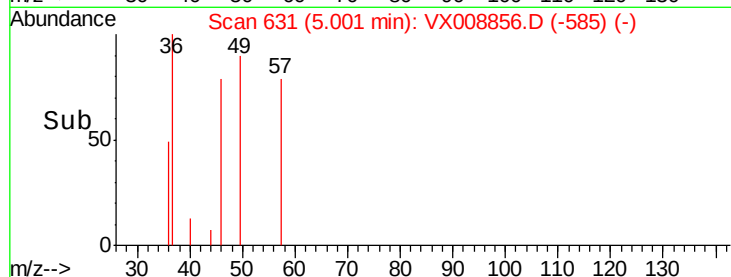
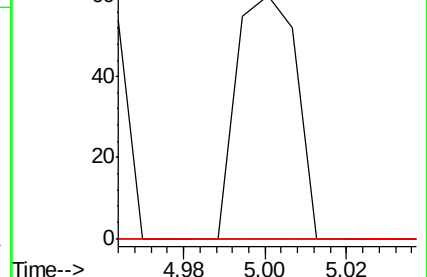
130 0.0 49.3 73.9#



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



#31

Cyclohexane

Concen: 0.885 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008856.D

Acq: 11 Apr 2019 16:54

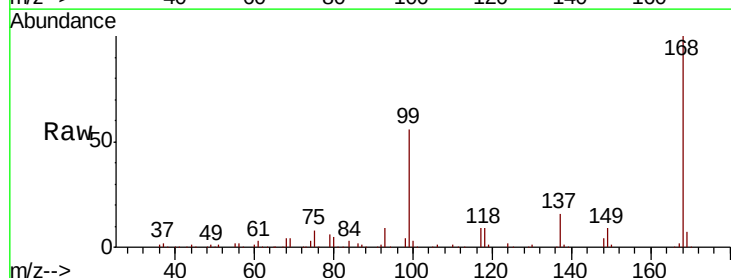
Tgt Ion: 56 Resp: 4399

Ion Ratio Lower Upper

56 100

69 163.0 22.6 33.8#

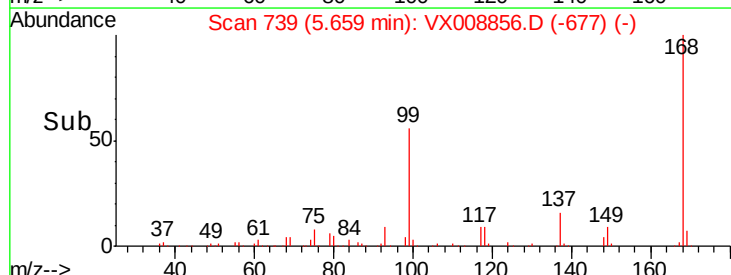
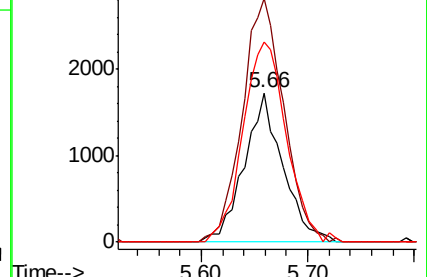
84 133.7 59.3 88.9#

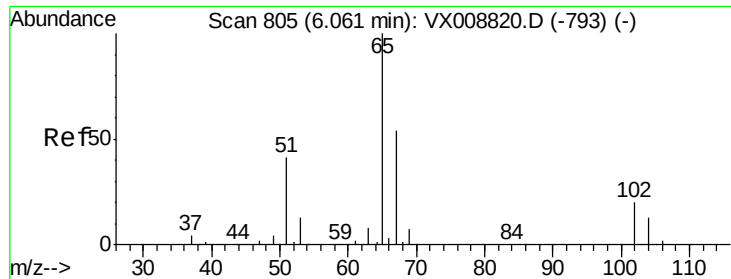


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

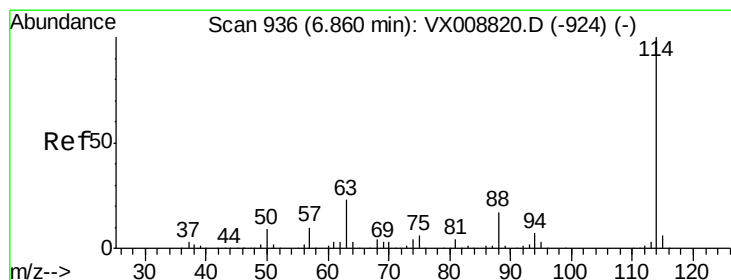
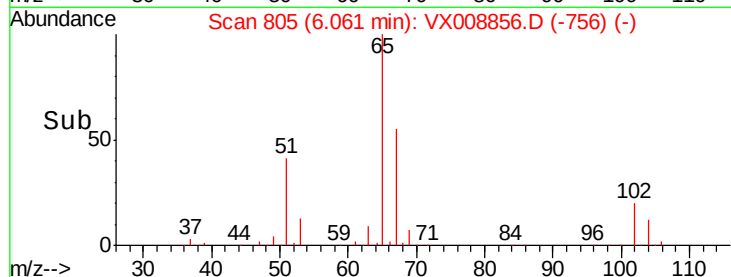
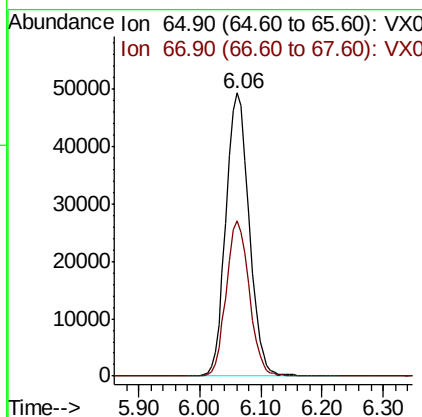
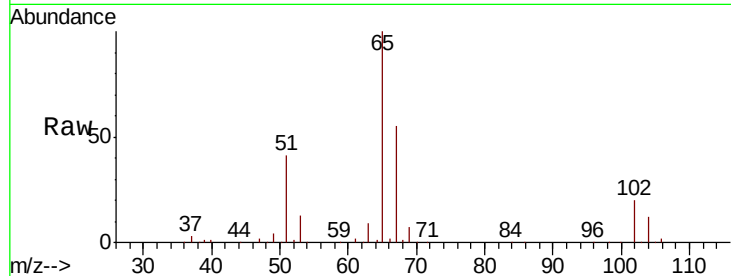




#33
 1,2-Dichloroethane-d4
 Concen: 44.933 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008856.D
 Acq: 11 Apr 2019 16:54

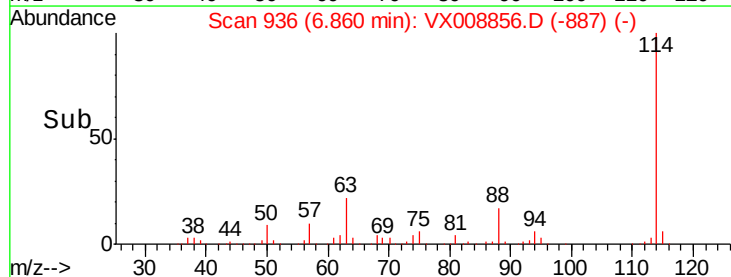
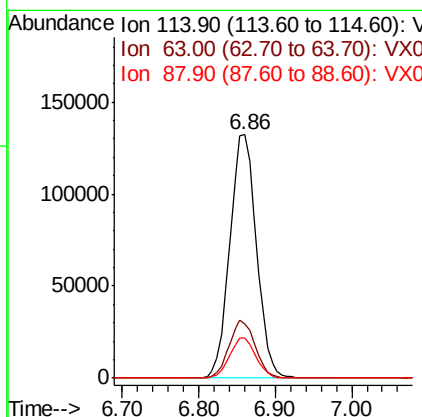
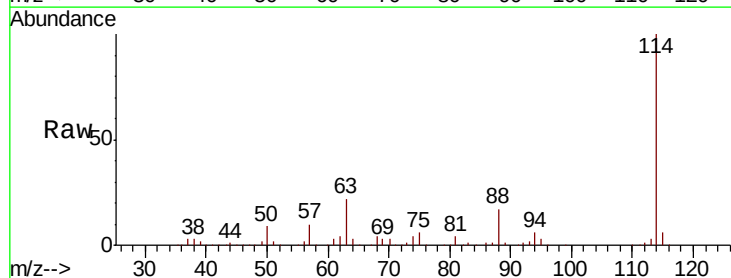
Instrument :
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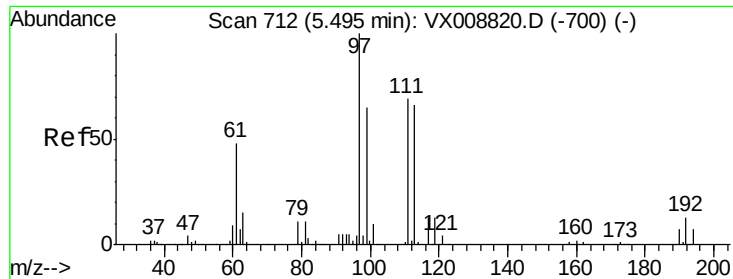
Tgt Ion: 65 Resp: 129267
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008856.D
 Acq: 11 Apr 2019 16:54

Tgt Ion: 114 Resp: 318894
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 47.2
 88 16.6 0.0 34.0

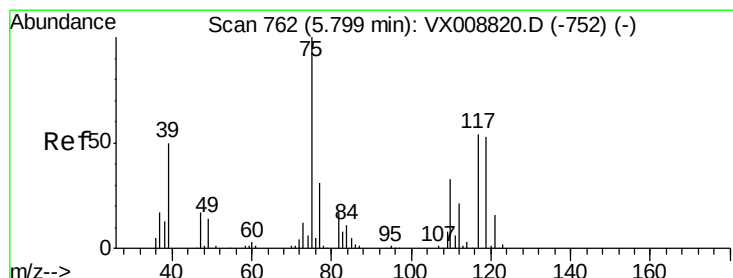
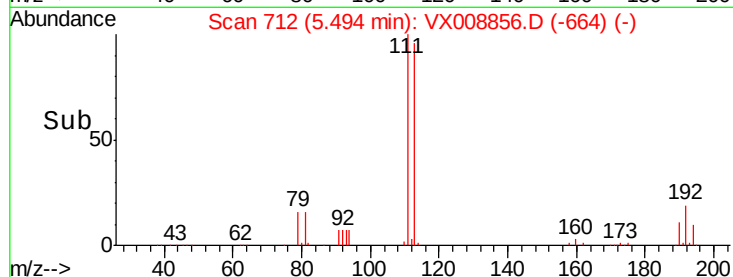
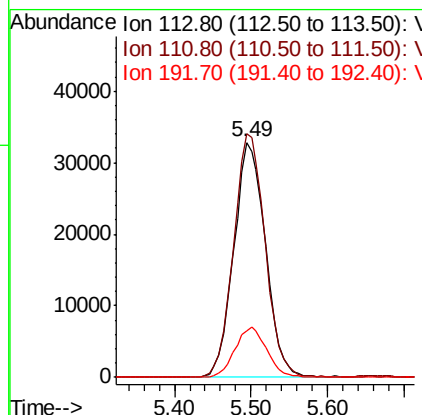
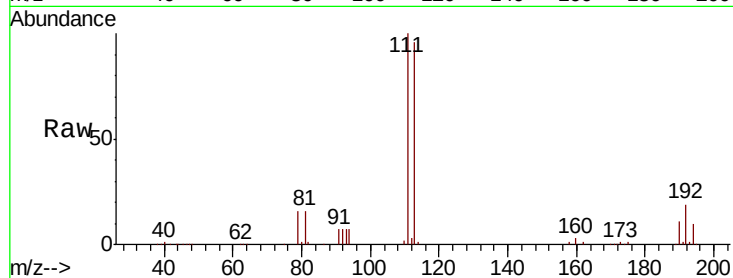




#35
 Dibromofluoromethane
 Concen: 46.092 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008856.D
 Acq: 11 Apr 2019 16:54

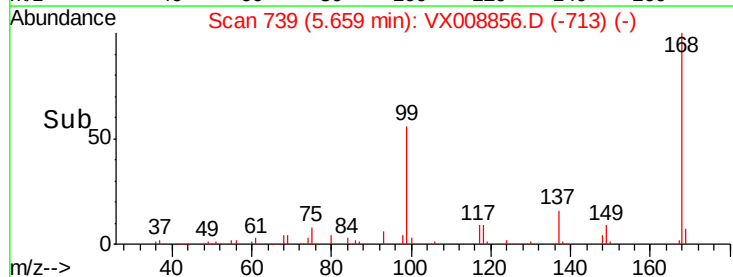
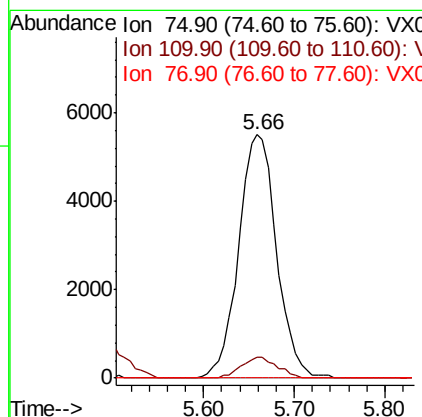
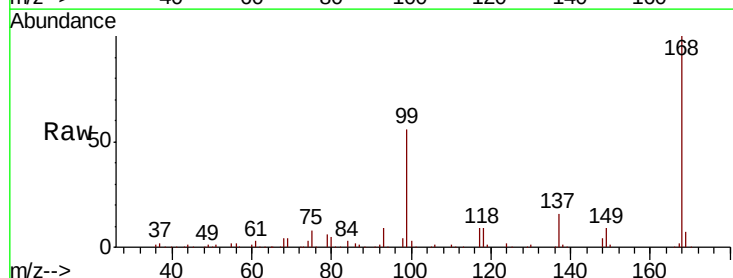
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW206-190408

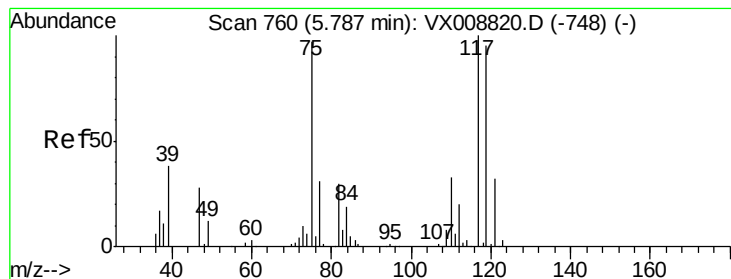
Tgt Ion:113 Resp: 93976
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.4 125.2
 192 21.2 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.568 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008856.D
 Acq: 11 Apr 2019 16:54

Tgt Ion: 75 Resp: 15922
 Ion Ratio Lower Upper
 75 100
 110 8.2 16.4 49.2#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.476 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008856.D

Acq: 11 Apr 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

SS037MW206-190408

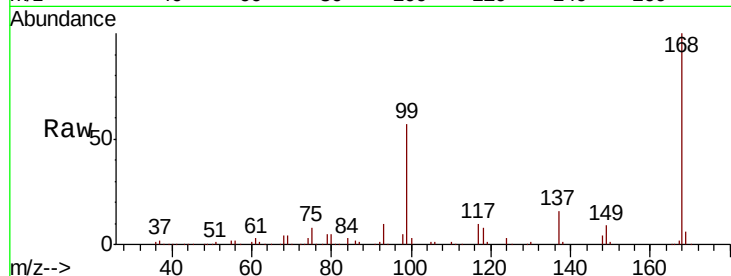
Tgt Ion:117 Resp: 18685

Ion Ratio Lower Upper

117 100

119 5.5 75.0 112.6#

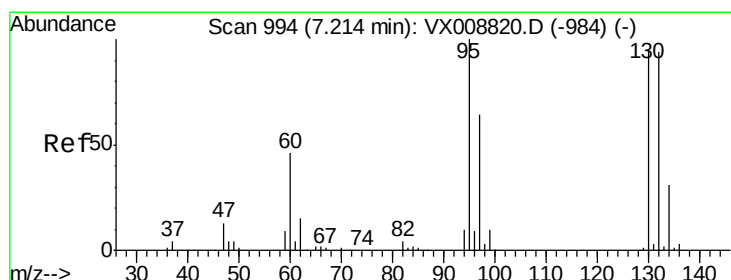
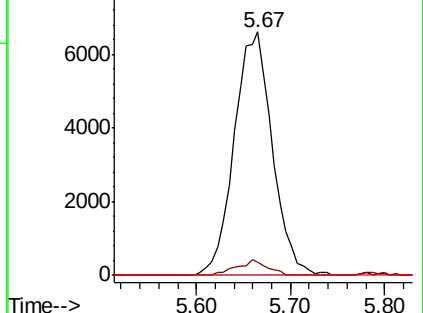
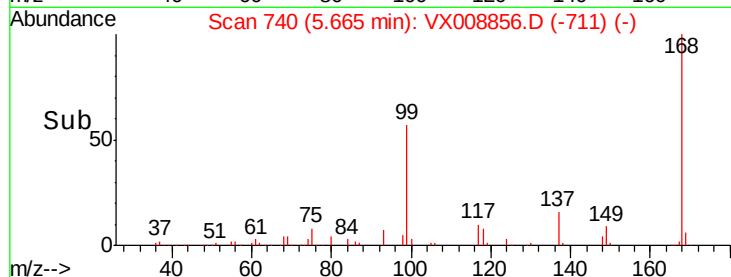
121 0.0 24.3 36.5#



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



#44

Trichloroethene

Concen: 3.964 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX008856.D

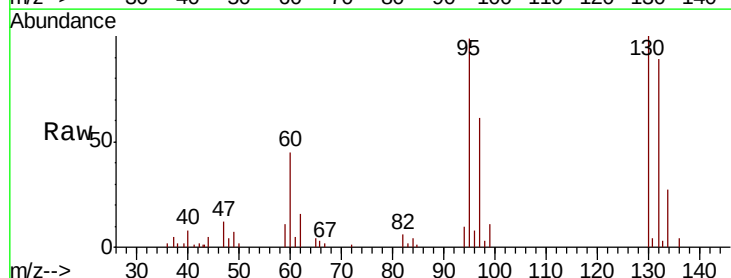
Acq: 11 Apr 2019 16:54

Tgt Ion:130 Resp: 9587

Ion Ratio Lower Upper

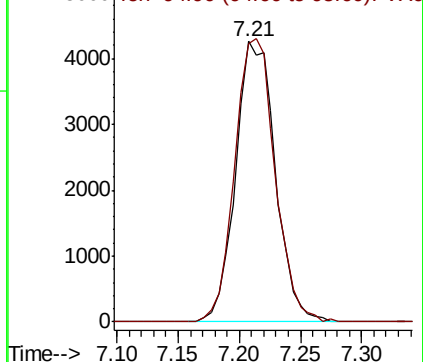
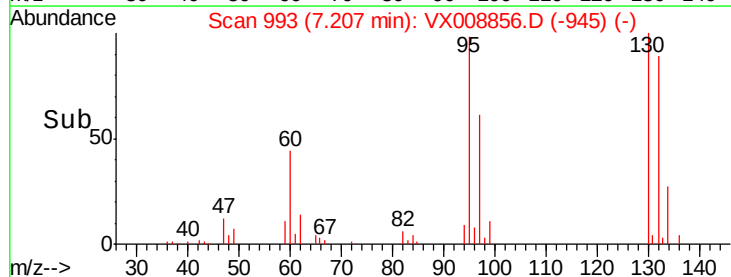
130 100

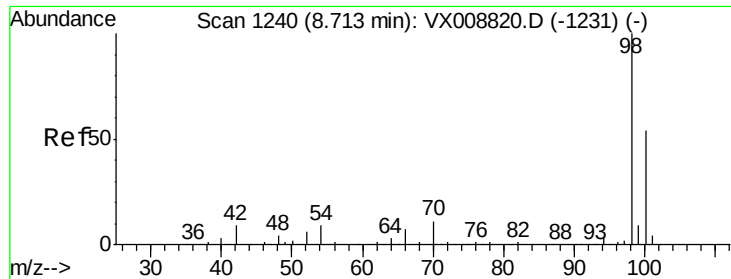
95 99.3 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

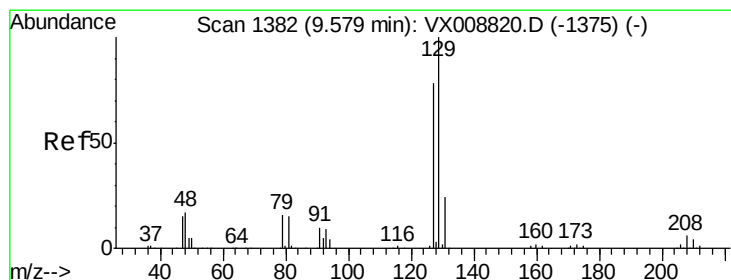
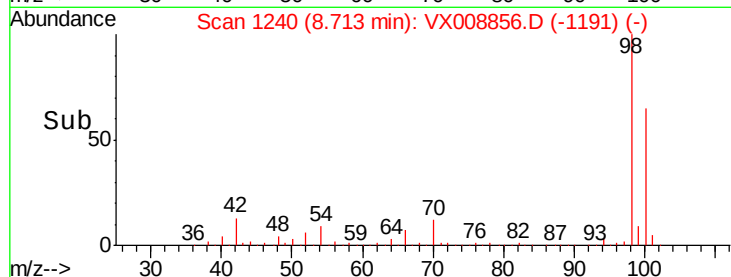
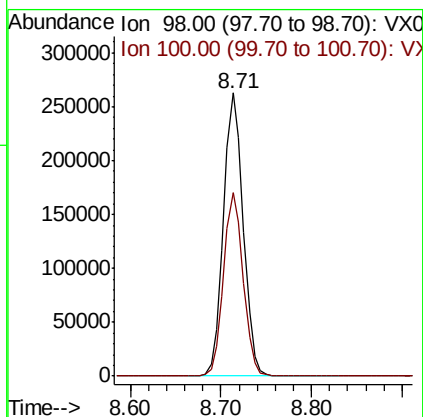
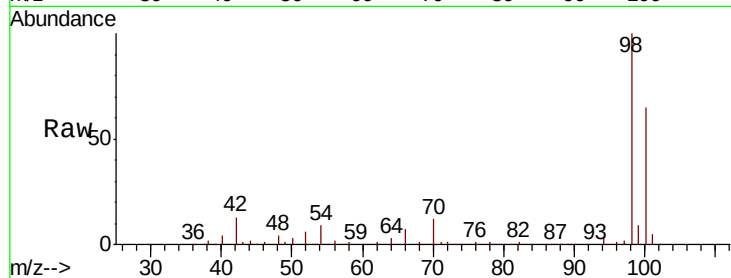




#50
Toluene-d8
Concen: 49.181 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008856.D
Acq: 11 Apr 2019 16:54

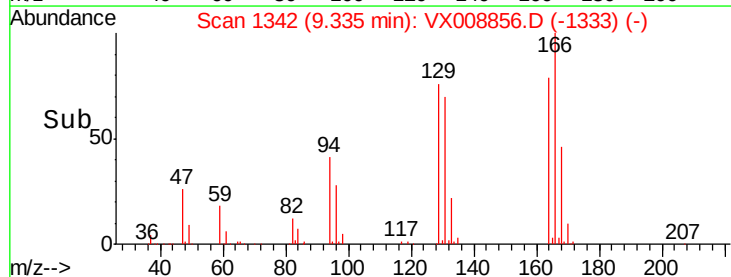
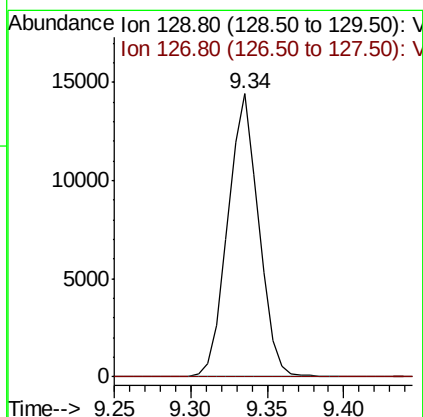
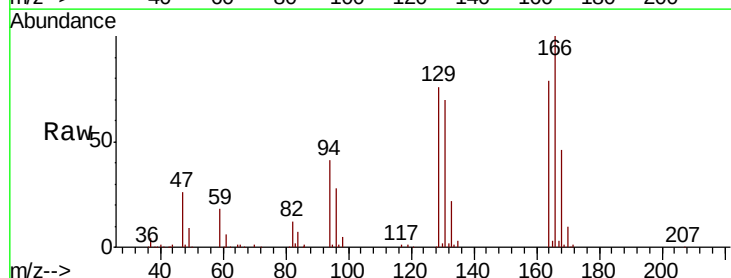
Instrument :
MSVOA_X
ClientSampleId :
SS037MW206-190408

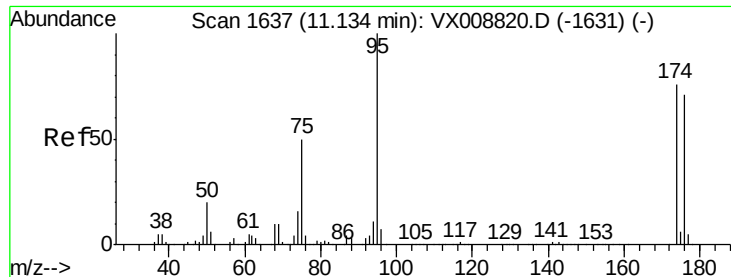
Tgt Ion: 98 Resp: 399269
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#60
Dibromochloromethane
Concen: 8.739 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX008856.D
Acq: 11 Apr 2019 16:54

Tgt Ion: 129 Resp: 20237
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#





#62

4-Bromofluorobenzene

Concen: 45.748 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008856.D

Acq: 11 Apr 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

SS037MW206-190408

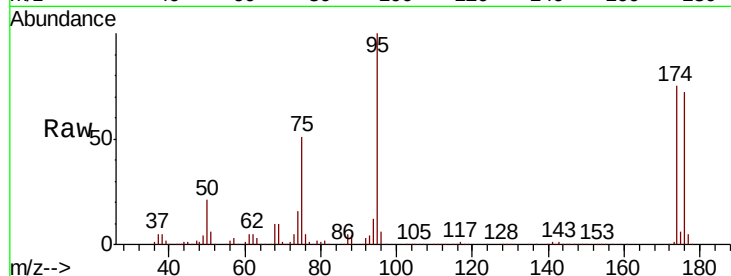
Tgt Ion: 95 Resp: 131702

Ion Ratio Lower Upper

95 100

174 79.0 0.0 151.8

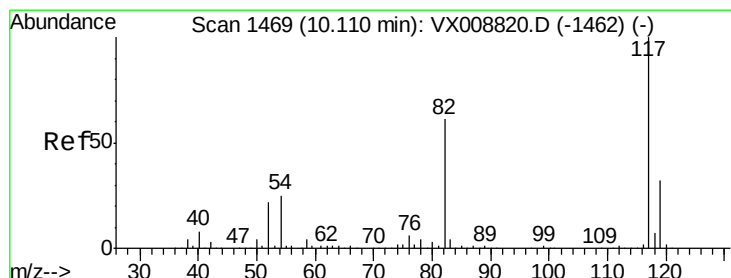
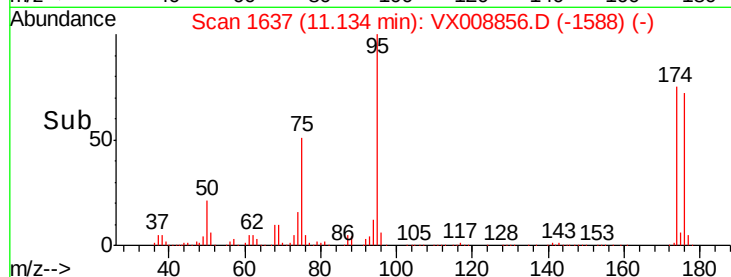
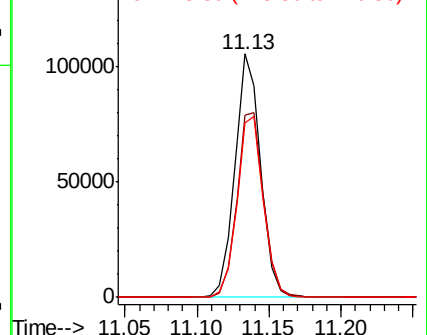
176 76.1 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008820.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX008820.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX008820.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008856.D

Acq: 11 Apr 2019 16:54

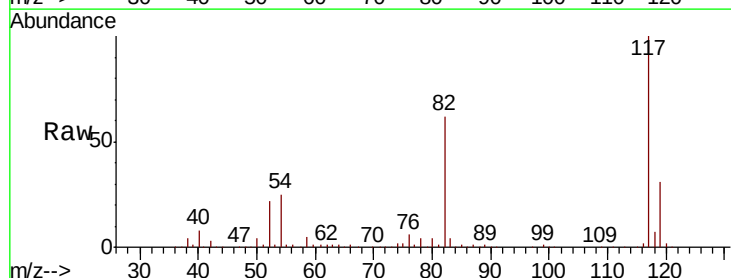
Tgt Ion: 117 Resp: 274990

Ion Ratio Lower Upper

117 100

82 61.7 49.6 74.4

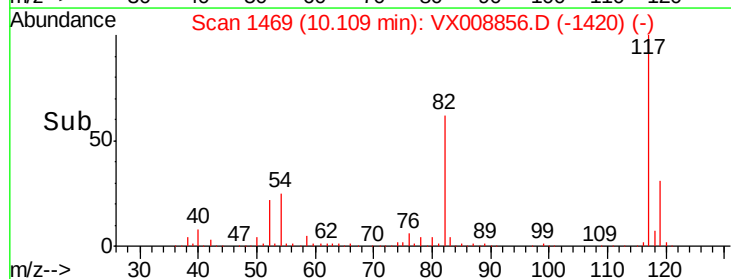
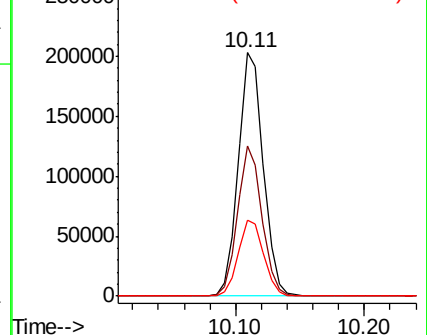
119 31.2 25.0 37.4

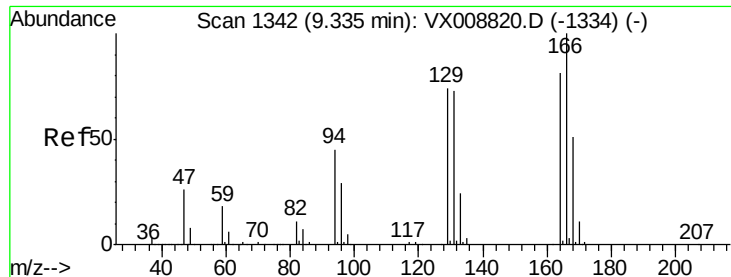


Abundance Ion 116.90 (116.60 to 117.60): VX008820.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008820.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008820.D (-1462) (-)





#64

Tetrachloroethene

Concen: 10.743 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008856.D

Acq: 11 Apr 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

SS037MW206-190408

Tgt Ion:164 Resp: 21887

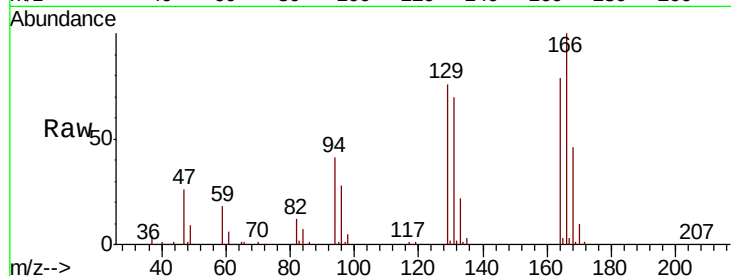
Ion Ratio Lower Upper

164 100

166 126.8 101.0 151.6

129 96.8 75.8 113.8

131 89.1 71.8 107.8



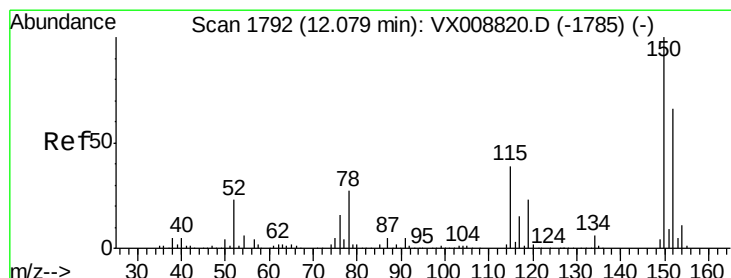
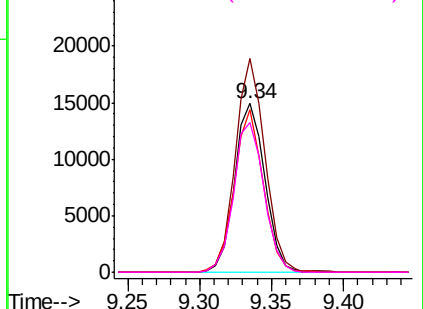
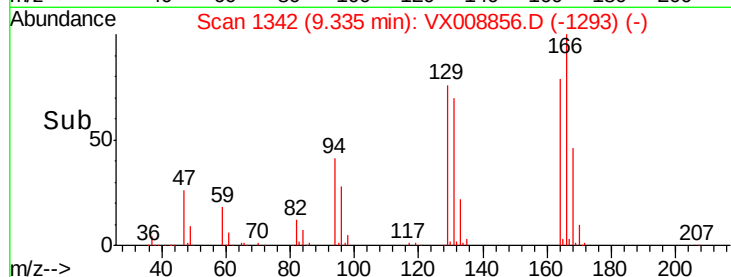
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX008856.D

Acq: 11 Apr 2019 16:54

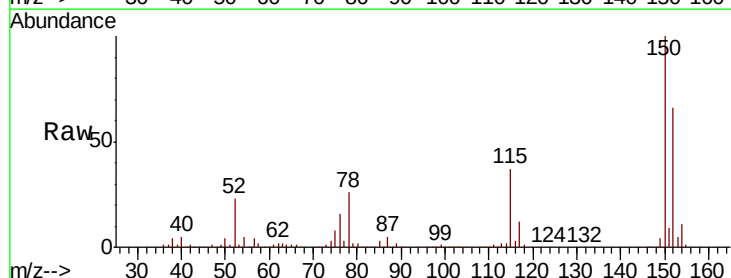
Tgt Ion:152 Resp: 113633

Ion Ratio Lower Upper

152 100

115 59.1 43.5 130.5

150 155.9 0.0 348.8

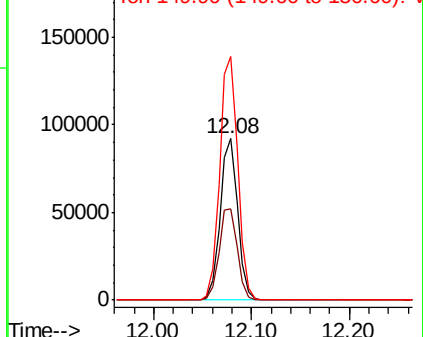
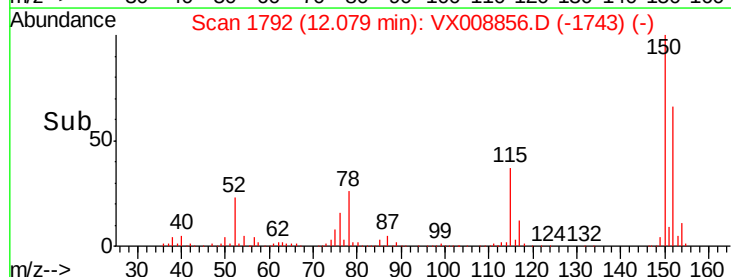


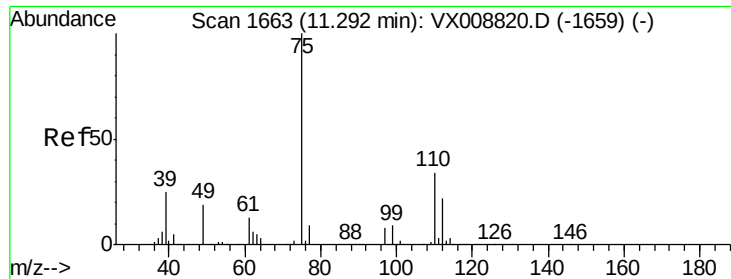
Abundance

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

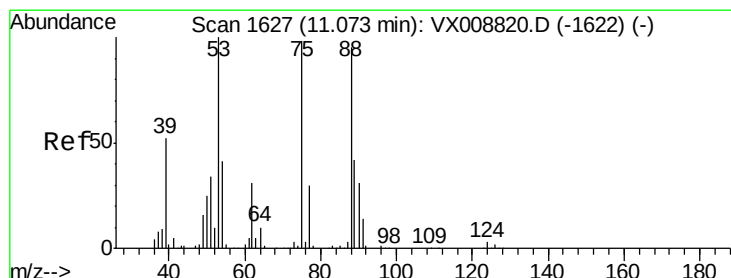
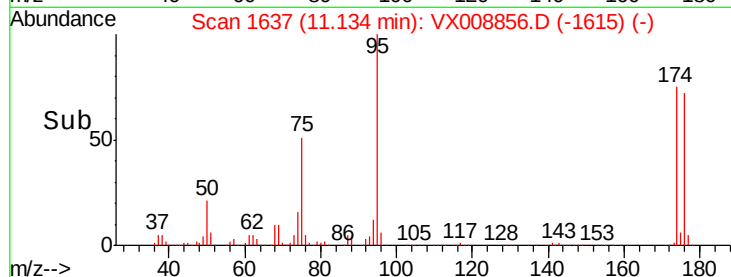
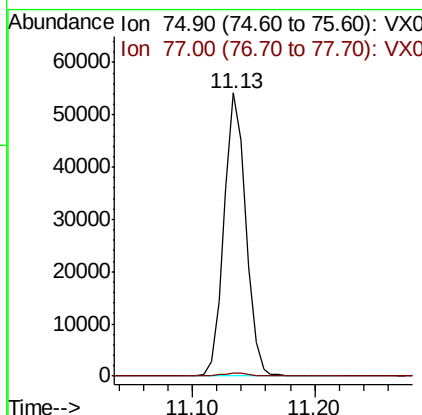
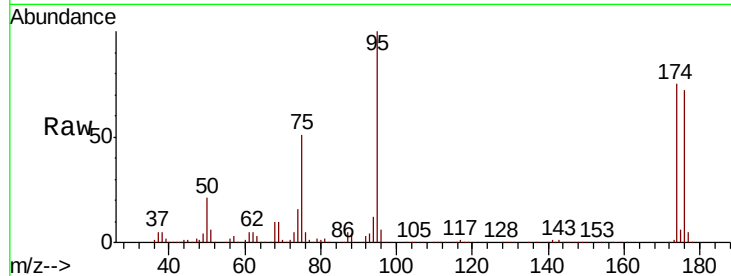




#76
 1,2,3-Trichloropropane
 Concen: 21.414 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008856.D
 Acq: 11 Apr 2019 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW206-190408

Tgt Ion: 75 Resp: 66847
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.029 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008856.D
 Acq: 11 Apr 2019 16:54

Tgt Ion: 75 Resp: 66847
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.3 121.9#
 89 0.0 35.6 53.4#

