

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008910.D
 Acq On : 13 Apr 2019 01:15
 Operator : JC/SP
 Sample : K2367-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0706

Quant Time: Apr 13 05:05:29 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	187429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	304093	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	264486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111752	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	126055	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
35) Dibromofluoromethane	5.50	113	90829	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
50) Toluene-d8	8.71	98	379902	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.13	95	125900	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	

Target Compounds

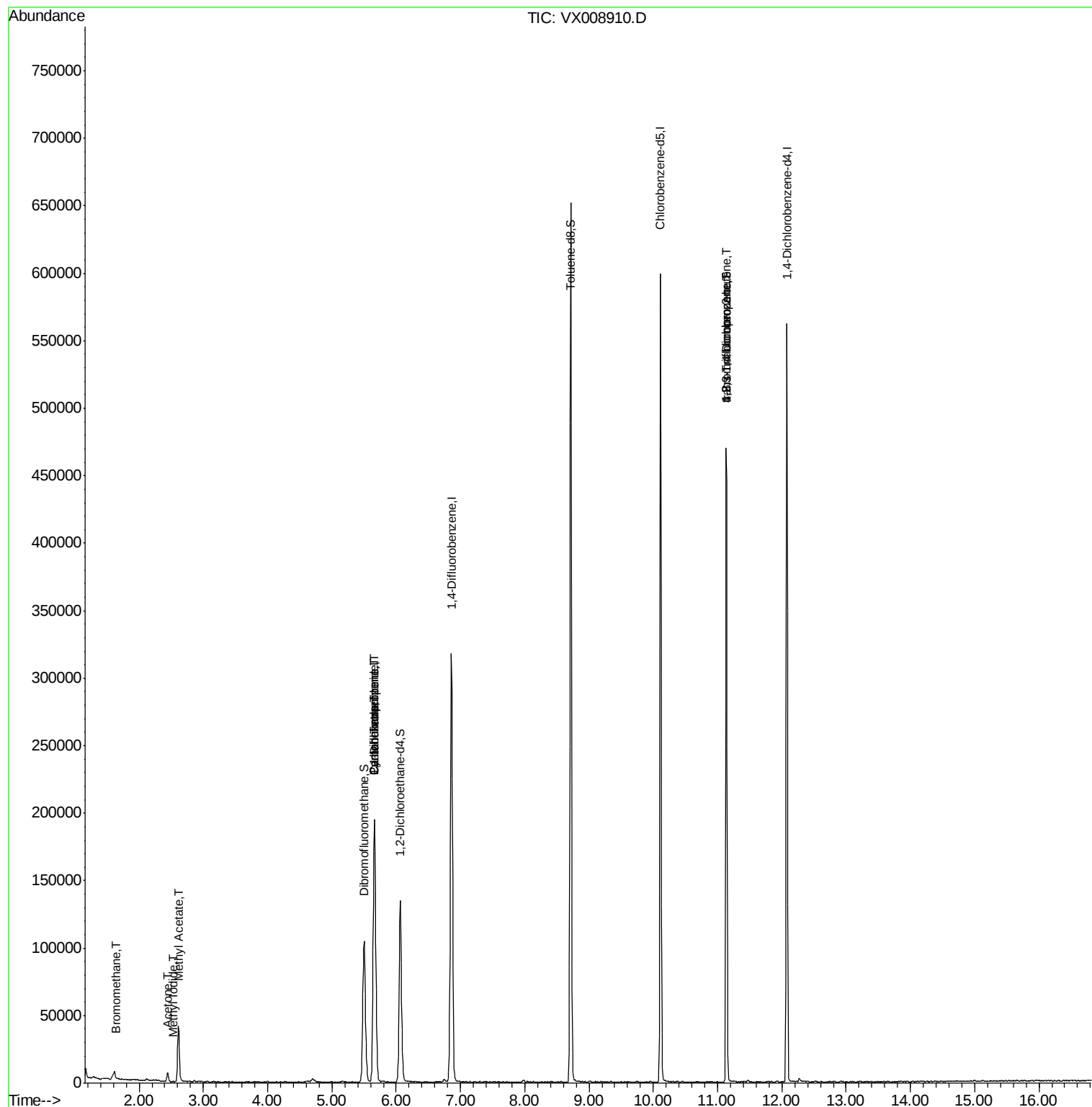
					Qvalue
3) Chloromethane	1.32	50	470	Below Cal	# 82
5) Bromomethane	1.64	94	311	2.094 ug/l	# 58
6) Chloroethane	1.75	64	20	Below Cal	# 1
10) Methyl Iodide	2.53	142	20	4.013 ug/l	# 42
16) Acetone	2.45	43	7522	4.777 ug/l	# 99
17) Carbon Disulfide	2.57	76	629	Below Cal	# 75
18) Methyl Acetate	2.61	43	11205	2.934 ug/l	# 56
28) Bromochloromethane	5.01	49	63	Below Cal	# 22
31) Cyclohexane	5.67	56	4280	0.906 ug/l	# 1
36) 1,1-Dichloropropene	5.66	75	14873	4.474 ug/l	# 51
38) Carbon Tetrachloride	5.66	117	17879	6.499 ug/l	# 16
76) 1,2,3-Trichloropropane	11.13	75	64503	21.011 ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.13	75	64503	57.918 ug/l	# 9

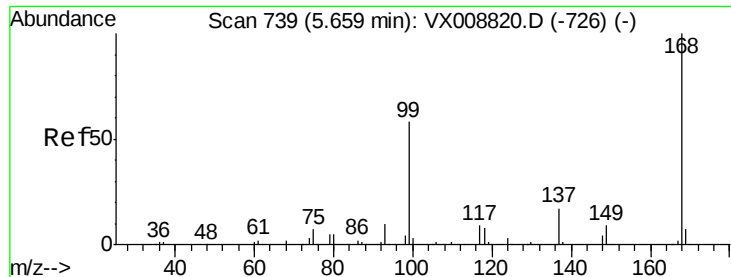
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008910.D

Acq: 13 Apr 2019 01:15

Instrument :

MSVOA_X

ClientSampleId :

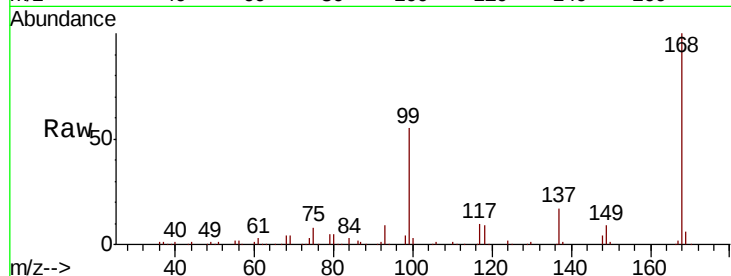
S8-0706

Tot Ion:168 Resp: 187429

Ion Ratio Lower Upper

168 100

99 54.8 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

60000

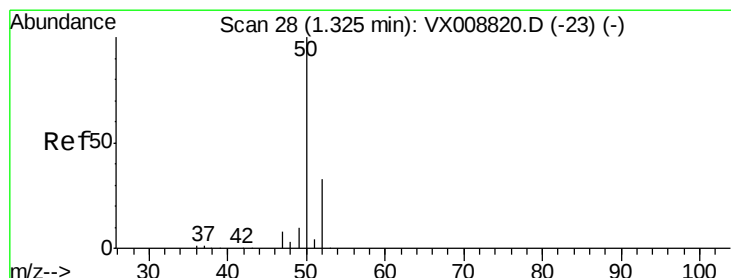
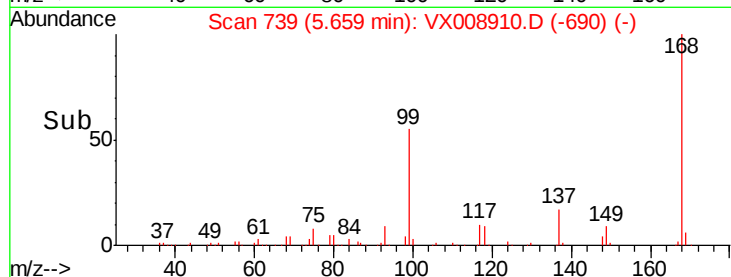
40000

20000

0

5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008910.D

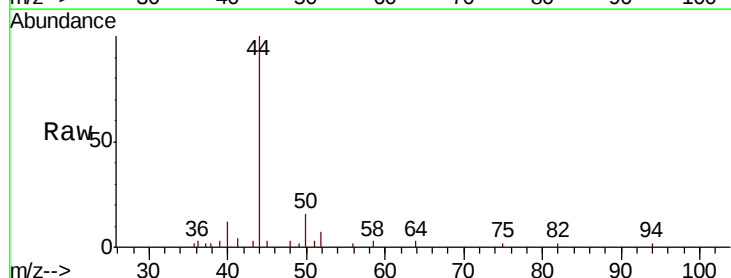
Acq: 13 Apr 2019 01:15

Tgt Ion: 50 Resp: 470

Ion Ratio Lower Upper

50 100

52 42.1 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

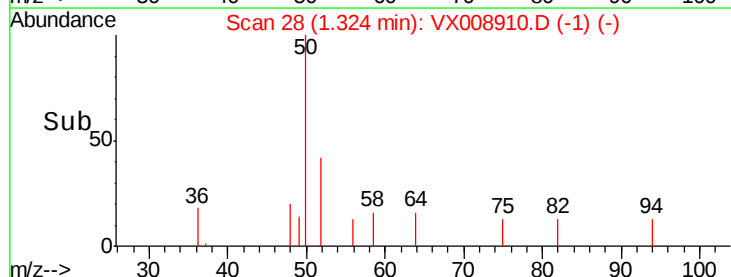
200

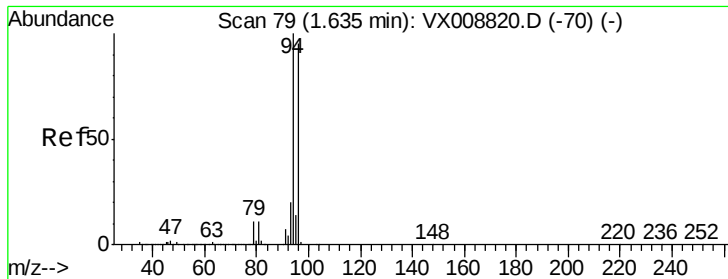
100

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: 2.094 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008910.D

Acq: 13 Apr 2019 01:15

Instrument :

MSVOA_X

ClientSampled :

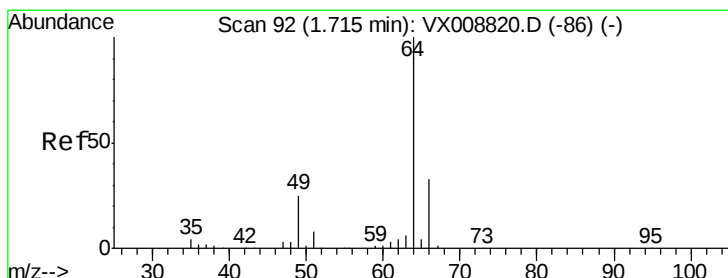
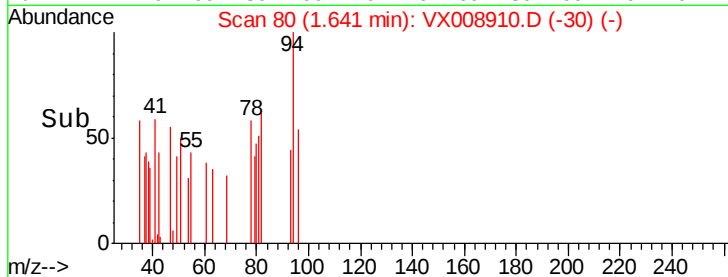
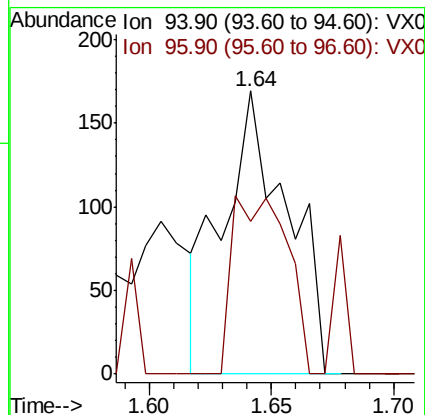
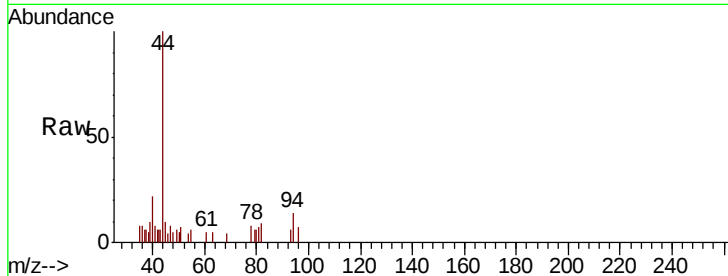
S8-0706

Tot Ion: 94 Resp: 311

Ion Ratio Lower Upper

94 100

96 53.8 75.2 112.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 97

Delta R.T. 0.03 min

Lab File: VX008910.D

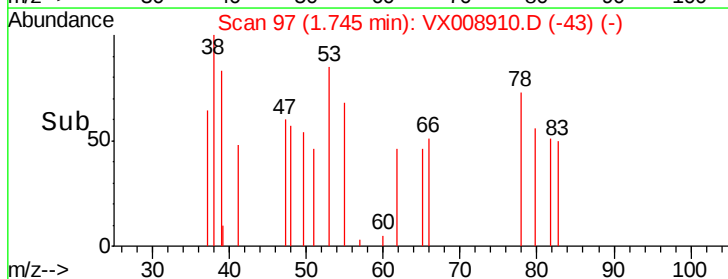
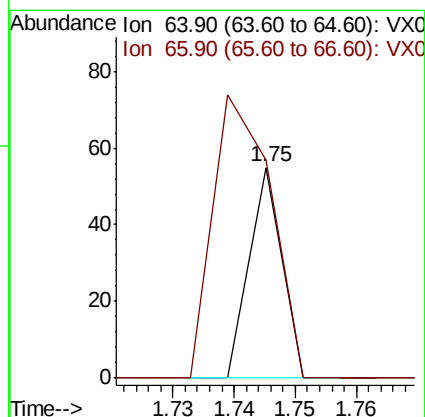
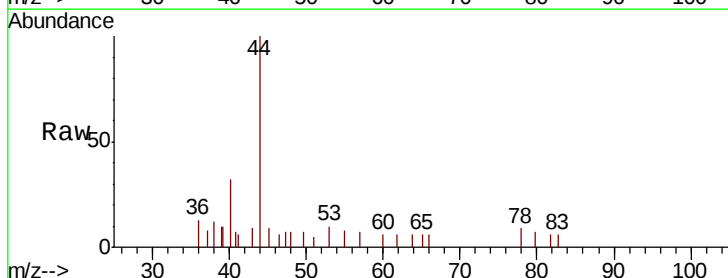
Acq: 13 Apr 2019 01:15

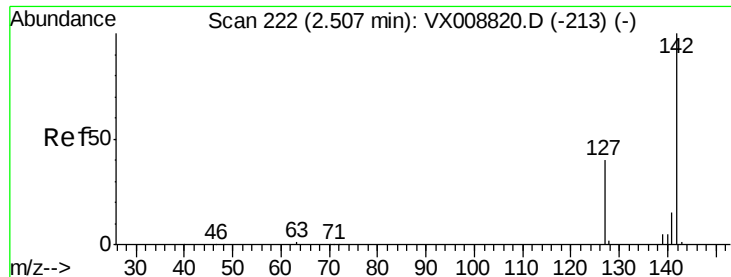
Tgt Ion: 64 Resp: 20

Ion Ratio Lower Upper

64 100

66 103.6 25.4 38.0#

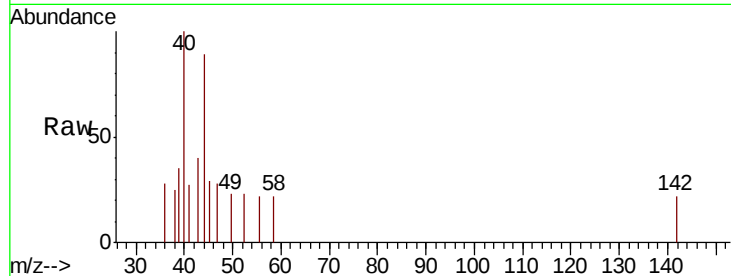




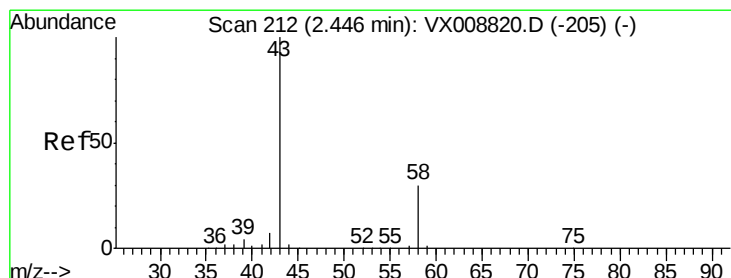
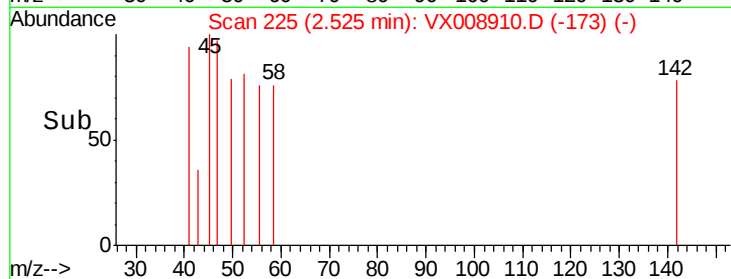
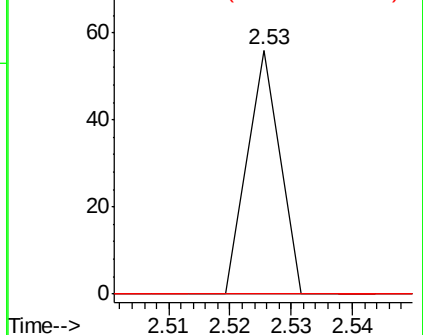
#10
Methvl Iodide
Concen: 4.013 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX008910.D
Acq: 13 Apr 2019 01:15

Instrument :
MSVOA_X
ClientSampleId :
S8-0706

Tot Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#

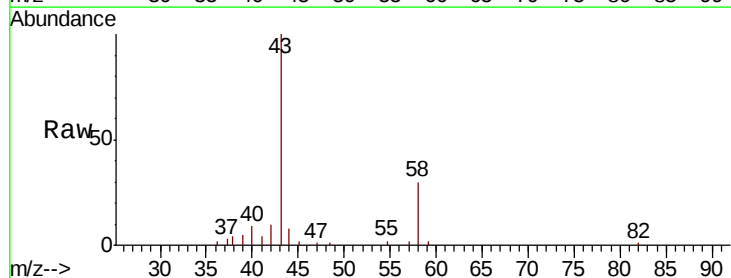


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

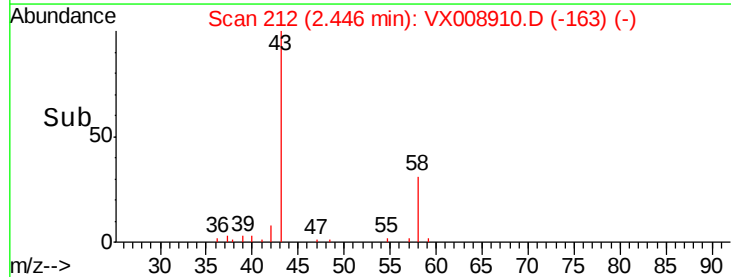
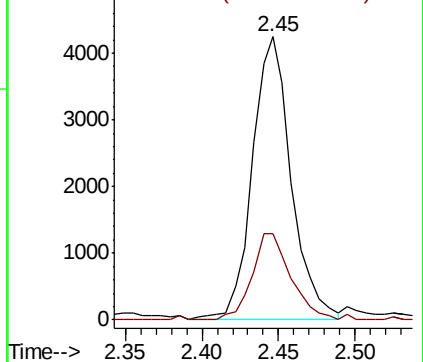


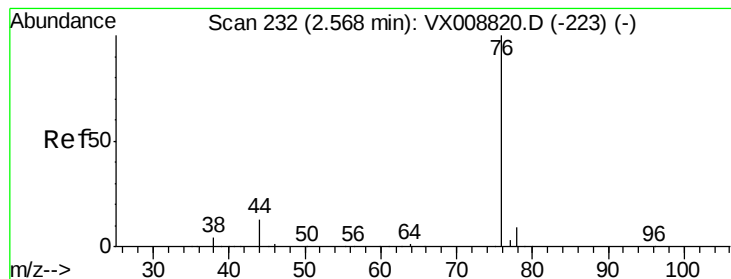
#16
Acetone
Concen: 4.777 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX008910.D
Acq: 13 Apr 2019 01:15

Tgt Ion: 43 Resp: 7522
Ion Ratio Lower Upper
43 100
58 30.3 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# 233

Delta R.T. 0.01 min

Lab File: VX008910.D

Acq: 13 Apr 2019 01:15

Instrument :

MSVOA_X

ClientSampleId :

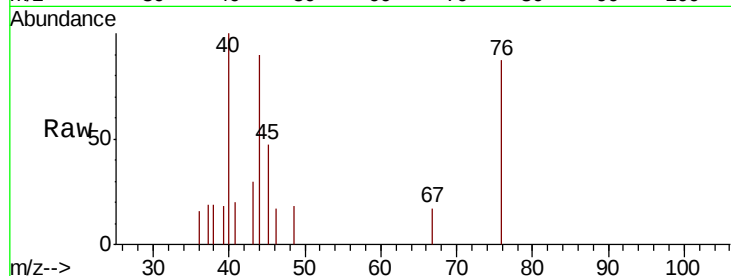
S8-0706

Tot Ion: 76 Resp: 629

Ion Ratio Lower Upper

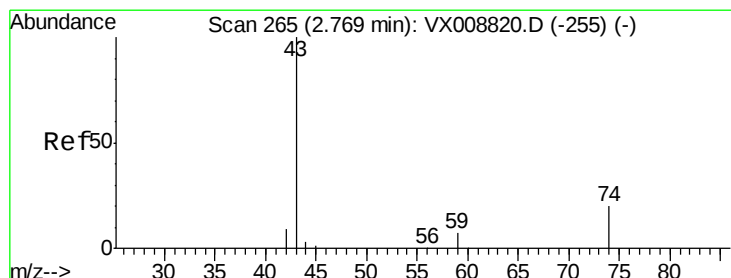
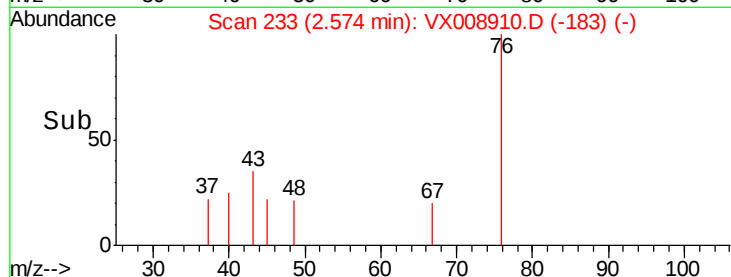
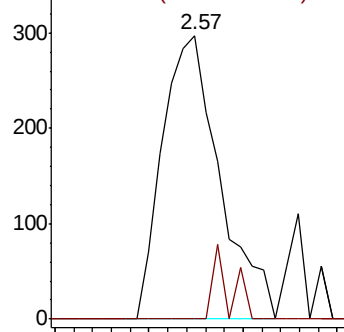
76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 2.934 ug/l

RT: 2.61 min Scan# 239

Delta R.T. -0.16 min

Lab File: VX008910.D

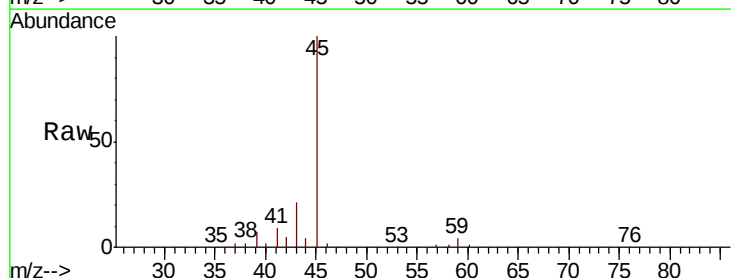
Acq: 13 Apr 2019 01:15

Tgt Ion: 43 Resp: 11205

Ion Ratio Lower Upper

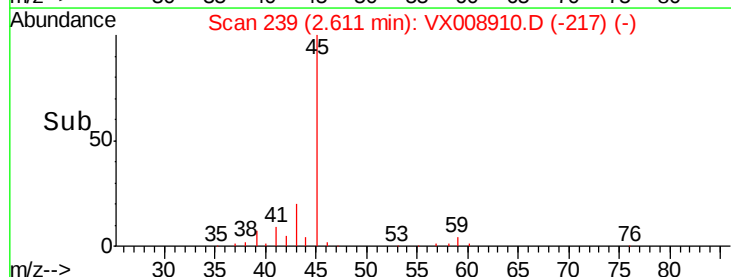
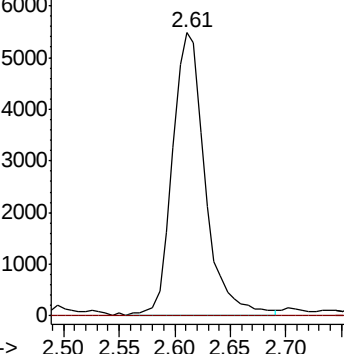
43 100

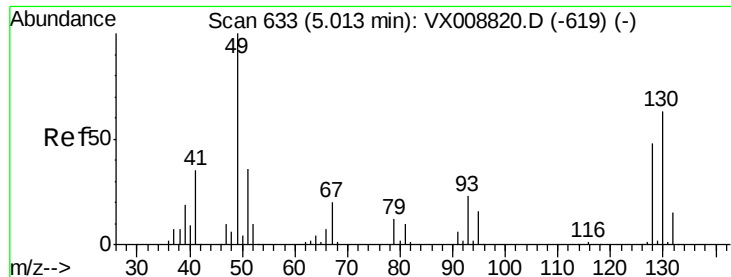
74 0.0 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

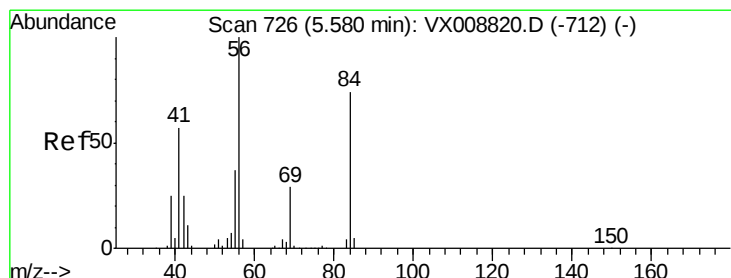
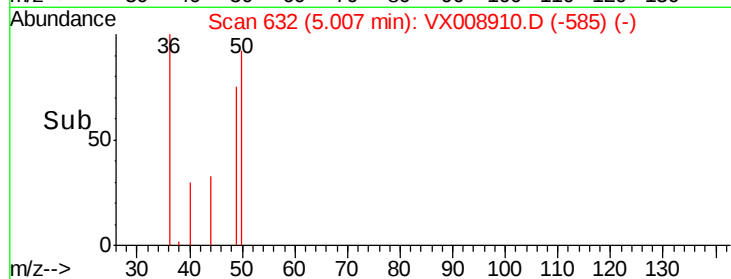
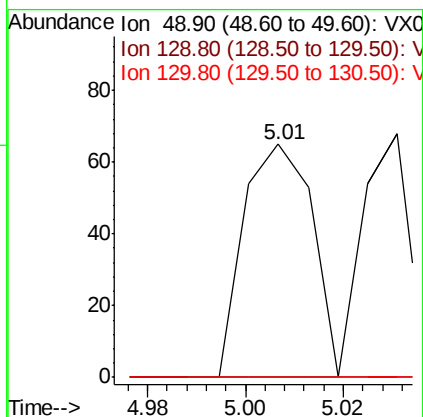
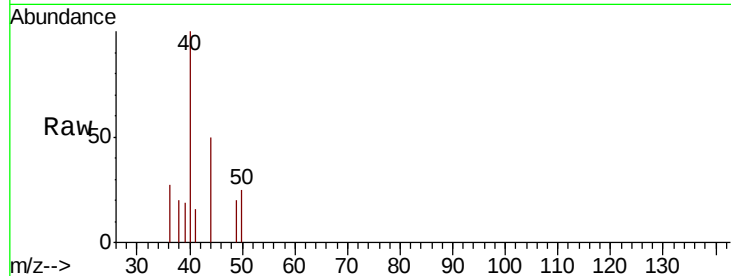




#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX008910.D
Acq: 13 Apr 2019 01:15

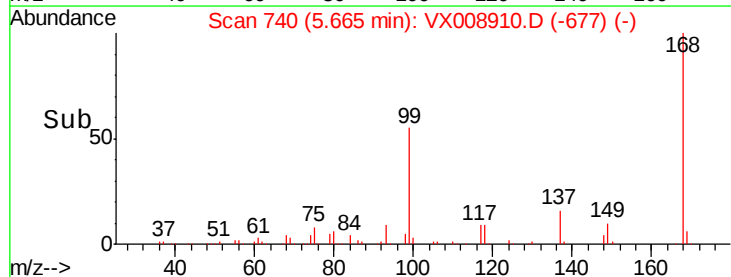
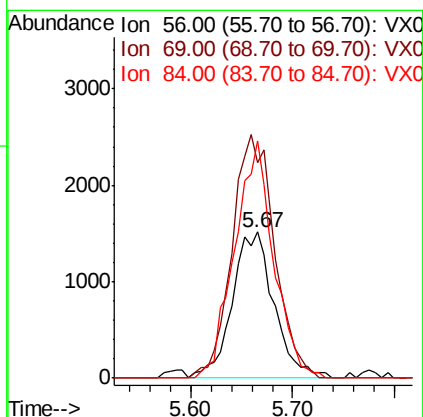
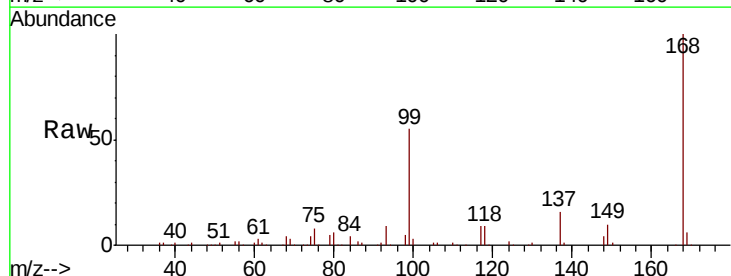
Instrument :
MSVOA_X
ClientSampleId :
S8-0706

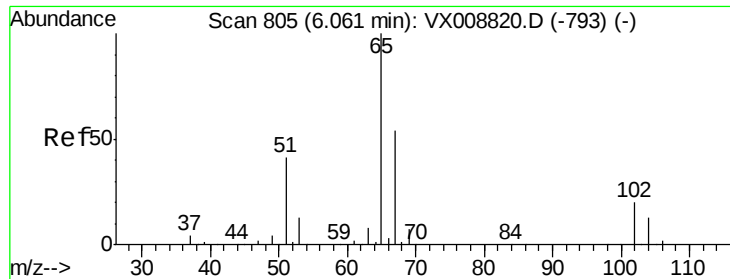
Tot Ion: 49 Resp: 63
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#



#31
Cyclohexane
Concen: 0.906 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008910.D
Acq: 13 Apr 2019 01:15

Tgt Ion: 56 Resp: 4280
Ion Ratio Lower Upper
56 100
69 147.4 22.6 33.8#
84 162.2 59.3 88.9#

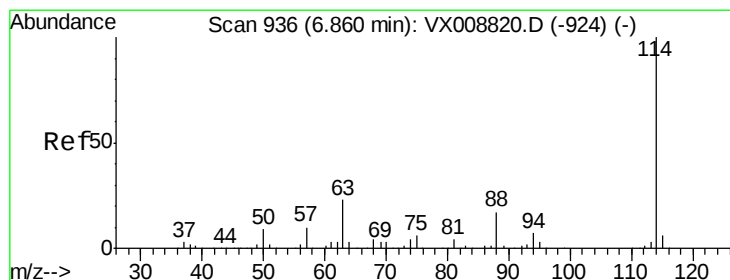
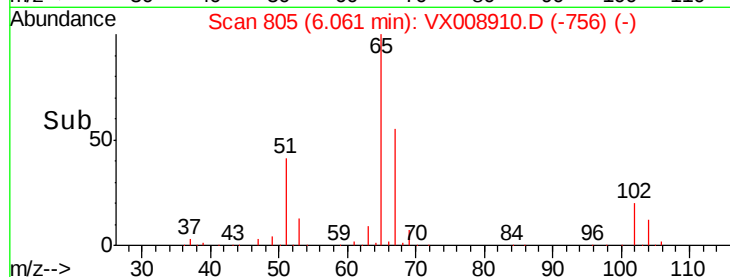
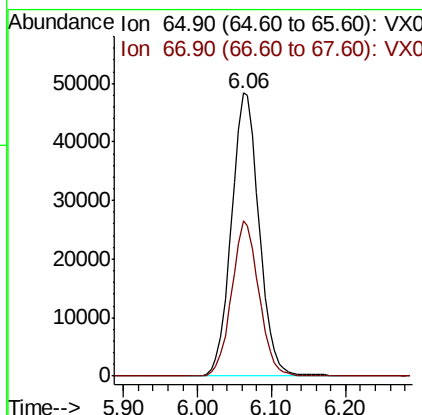
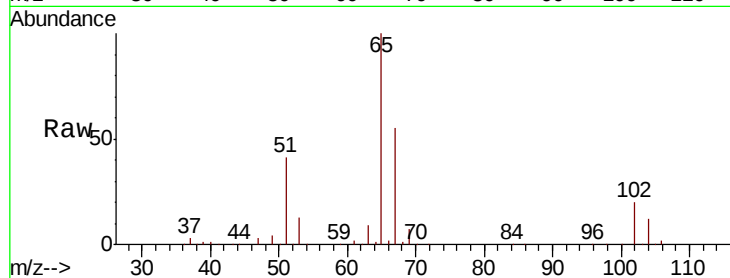




#33
 1,2-Dichloroethane-d4
 Concen: 46.110 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008910.D
 Acq: 13 Apr 2019 01:15

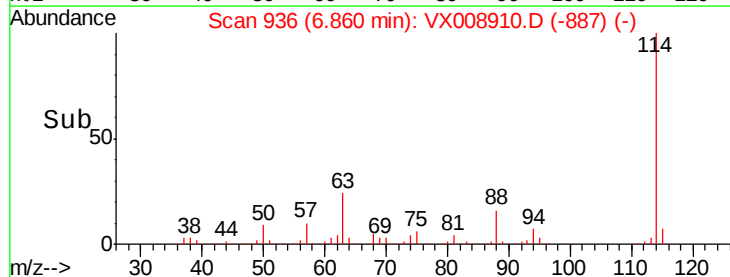
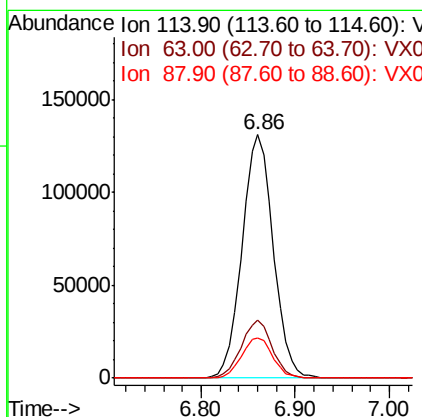
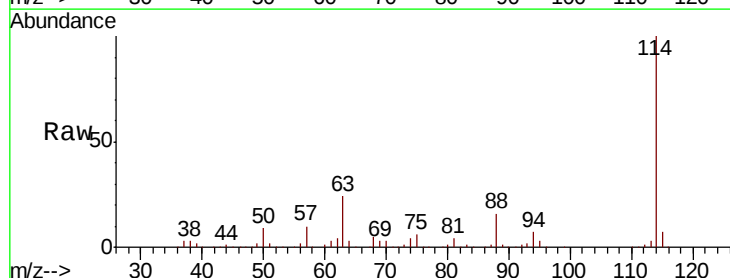
Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0706

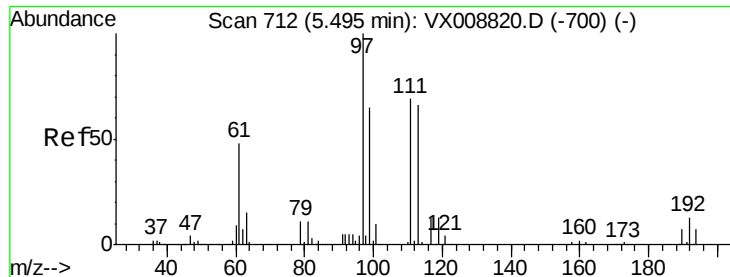
Tot Ion: 65 Resp: 126055
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008910.D
 Acq: 13 Apr 2019 01:15

Tgt Ion: 114 Resp: 304093
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 47.2
 88 16.4 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.717 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008910.D

Acq: 13 Apr 2019 01:15

Instrument :

MSVOA_X

ClientSampleId :

S8-0706

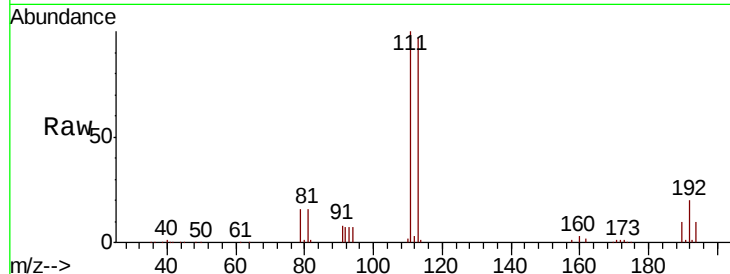
Tot Ion:113 Resp: 90829

Ion Ratio Lower Upper

113 100

111 102.5 83.4 125.2

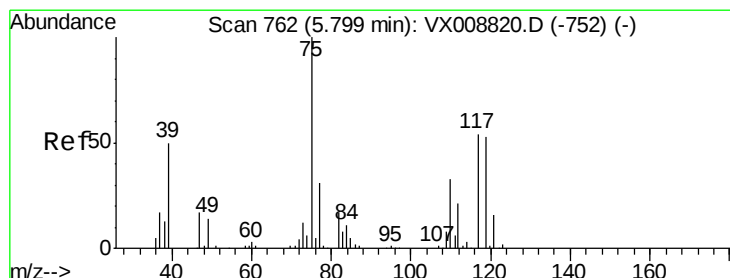
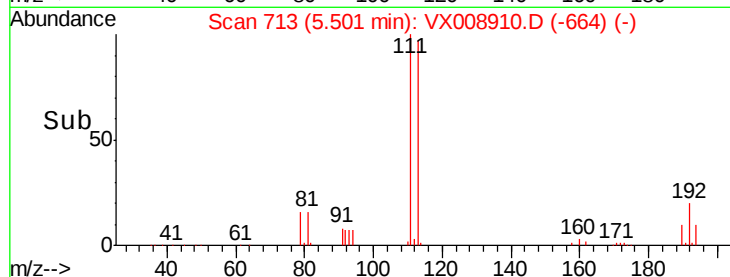
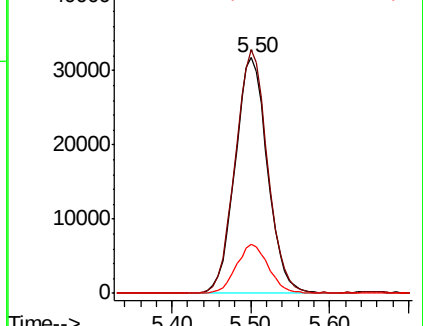
192 20.6 16.1 24.1



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: 4.474 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008910.D

Acq: 13 Apr 2019 01:15

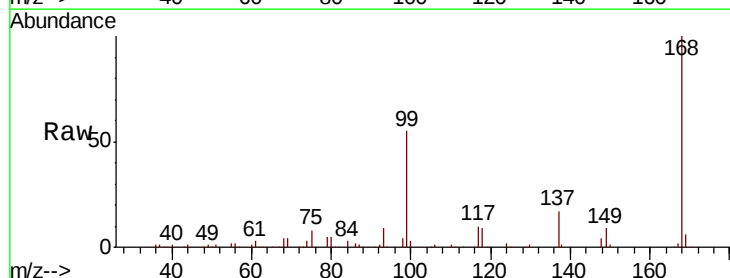
Tgt Ion: 75 Resp: 14873

Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.2#

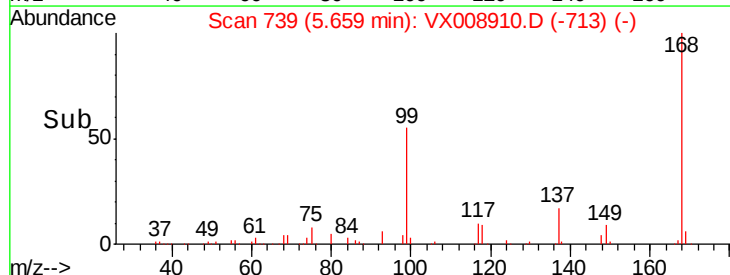
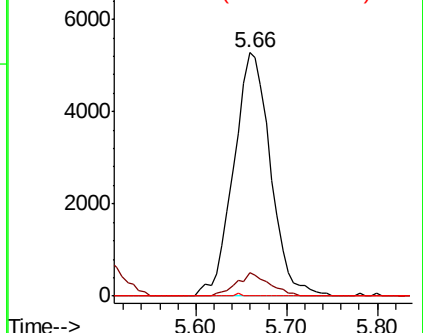
77 0.2 24.7 37.1#

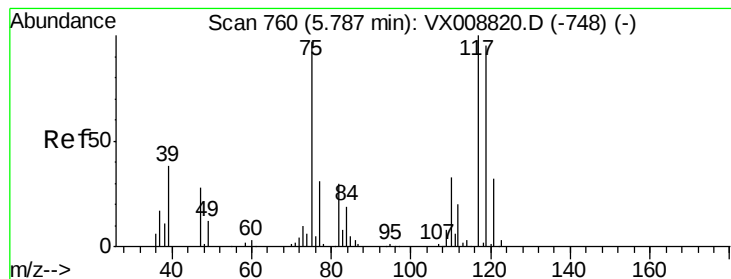


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.499 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008910.D

Acq: 13 Apr 2019 01:15

Instrument :

MSVOA_X

ClientSampleId :

S8-0706

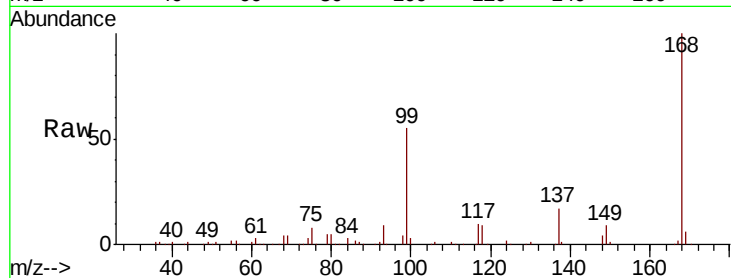
Tot Ion:117 Resp: 17879

Ion Ratio Lower Upper

117 100

119 4.1 75.0 112.6#

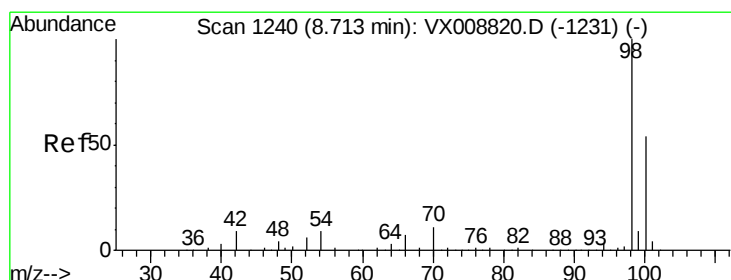
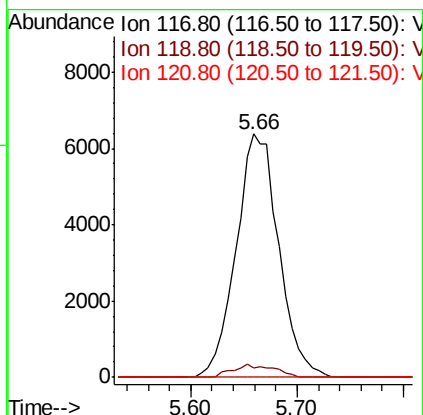
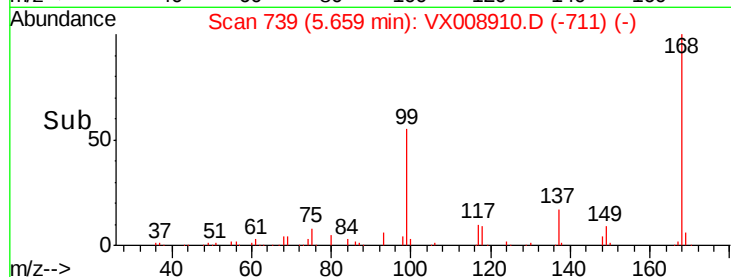
121 0.0 24.3 36.5#



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



#50

Toluene-d8

Concen: 49.073 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008910.D

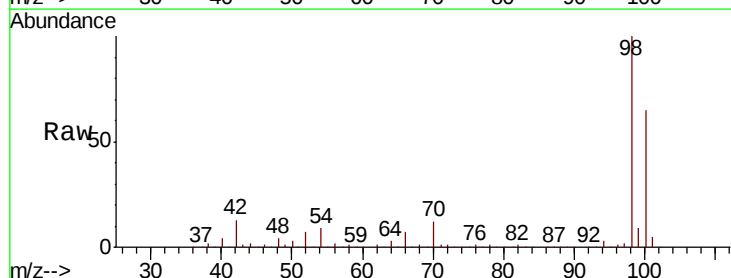
Acq: 13 Apr 2019 01:15

Tgt Ion: 98 Resp: 379902

Ion Ratio Lower Upper

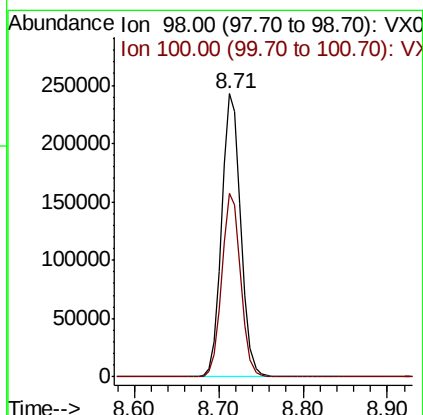
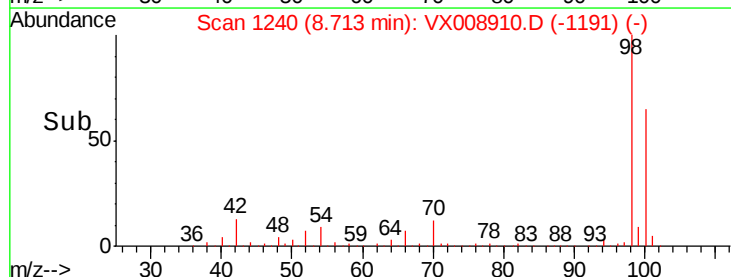
98 100

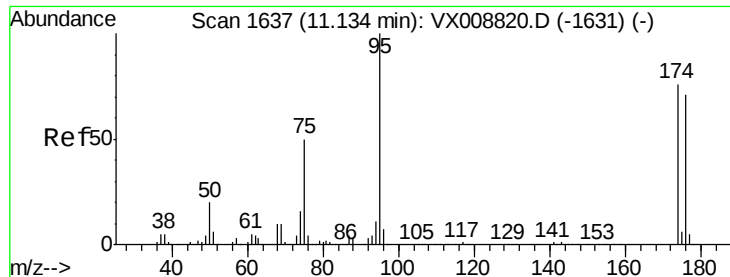
100 64.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.861 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008910.D

Acq: 13 Apr 2019 01:15

Instrument :

MSVOA_X

ClientSampleId :

S8-0706

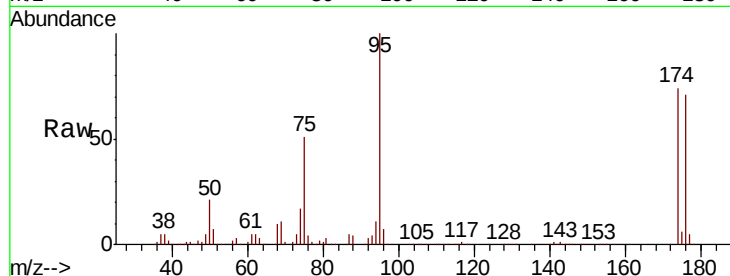
Tot Ion: 95 Resp: 125900

Ion Ratio Lower Upper

95 100

174 79.0 0.0 151.8

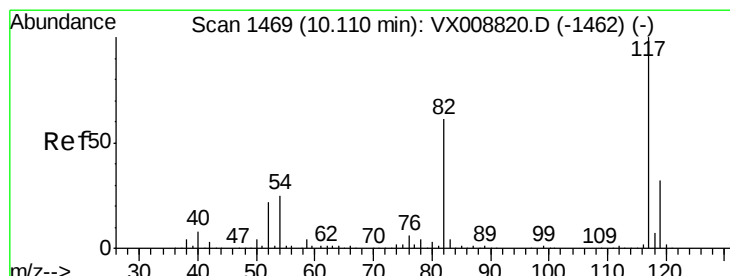
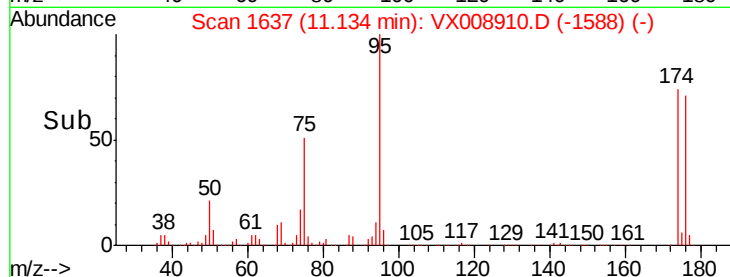
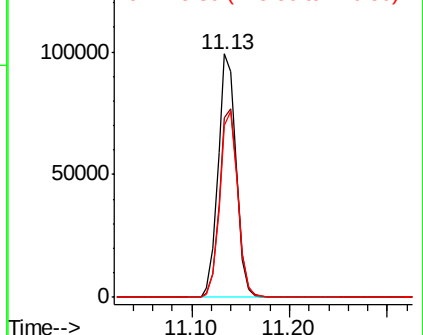
176 76.7 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008910.D

Acq: 13 Apr 2019 01:15

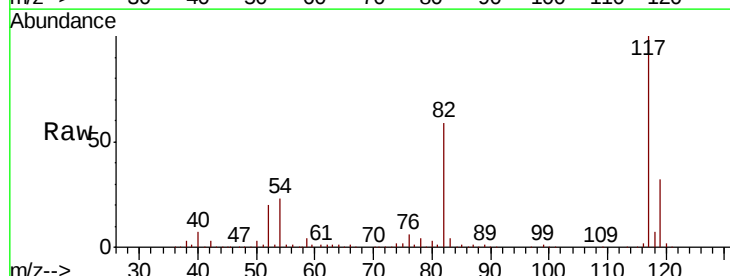
Tgt Ion: 117 Resp: 264486

Ion Ratio Lower Upper

117 100

82 58.7 49.6 74.4

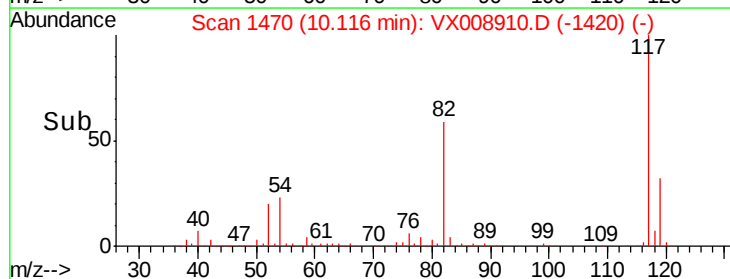
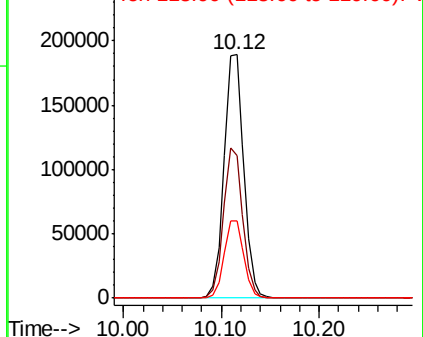
119 31.9 25.0 37.4

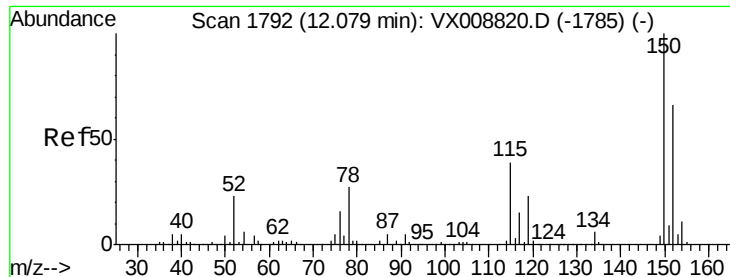


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX008910.D

Acq: 13 Apr 2019 01:15

Instrument :

MSVOA_X

ClientSampleId :

S8-0706

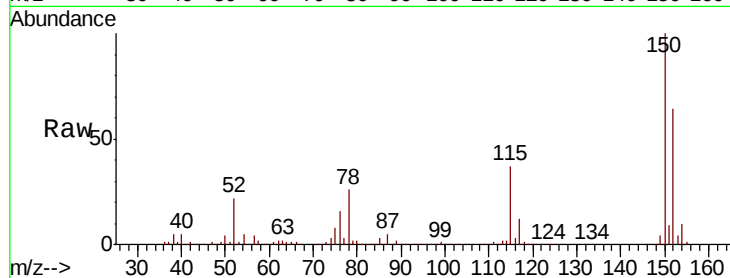
Tot Ion:152 Resp: 111752

Ion Ratio Lower Upper

152 100

115 59.8 43.5 130.5

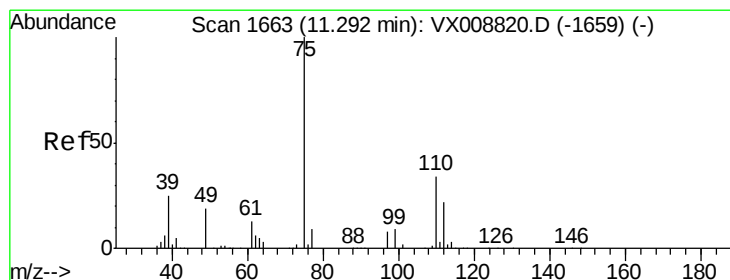
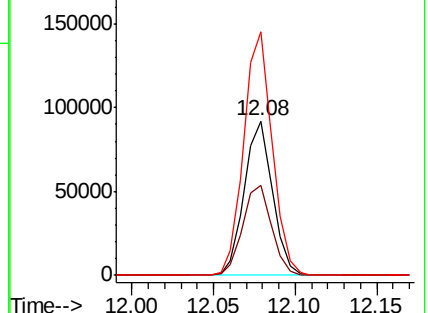
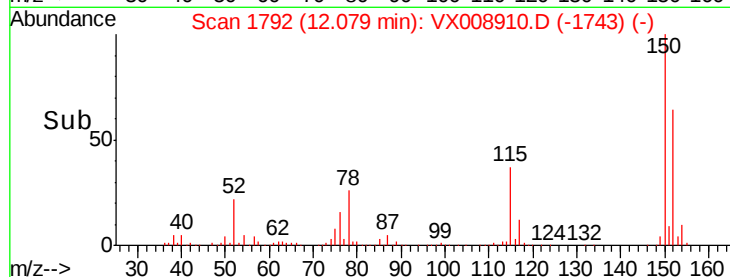
150 158.7 0.0 348.8



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: 21.011 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008910.D

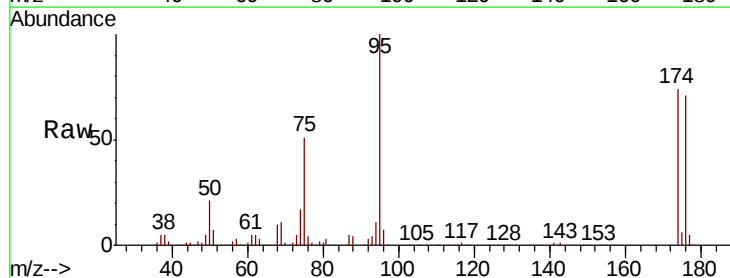
Acq: 13 Apr 2019 01:15

Tgt Ion: 75 Resp: 64503

Ion Ratio Lower Upper

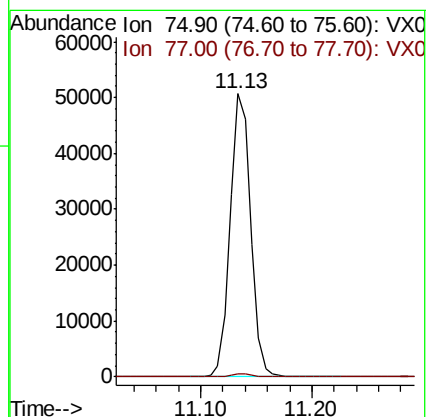
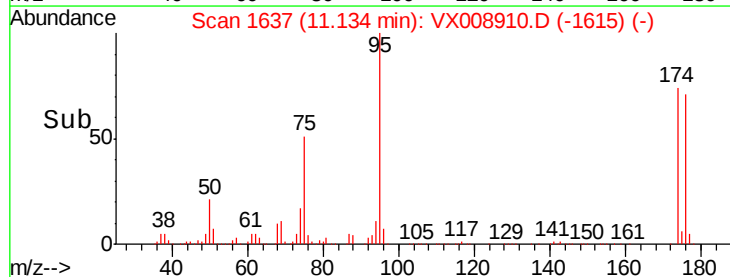
75 100

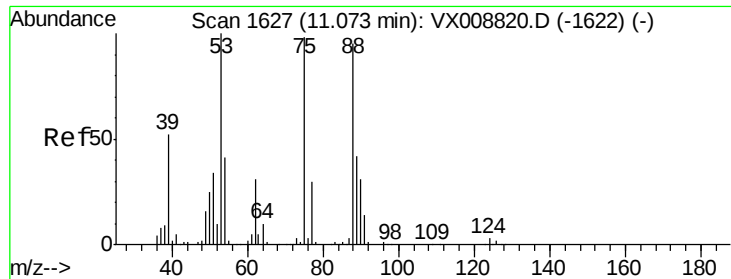
77 1.2 22.3 66.8#



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: 57.918 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008910.D

Acq: 13 Apr 2019 01:15

Instrument :

MSVOA_X

ClientSampleId :

S8-0706

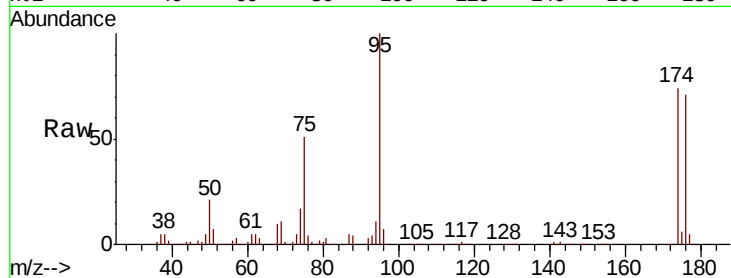
Tot Ion: 75 Resp: 64503

Ion Ratio Lower Upper

75 100

53 0.0 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

