

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004715.D
 Acq On : 19 Sep 2018 19:26
 Operator : JC/MD
 Sample : J4916-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW10S-20180911

Quant Time: Sep 20 03:51:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	217488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332563	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	310003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172911	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	137091	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
35) Dibromofluoromethane	5.50	113	123971	40.74	ug/l	0.00
Spiked Amount			Recovery	=	81.48%	
50) Toluene-d8	8.72	98	462417	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	
62) 4-Bromofluorobenzene	11.14	95	162087	44.49	ug/l	0.00
Spiked Amount			Recovery	=	88.98%	

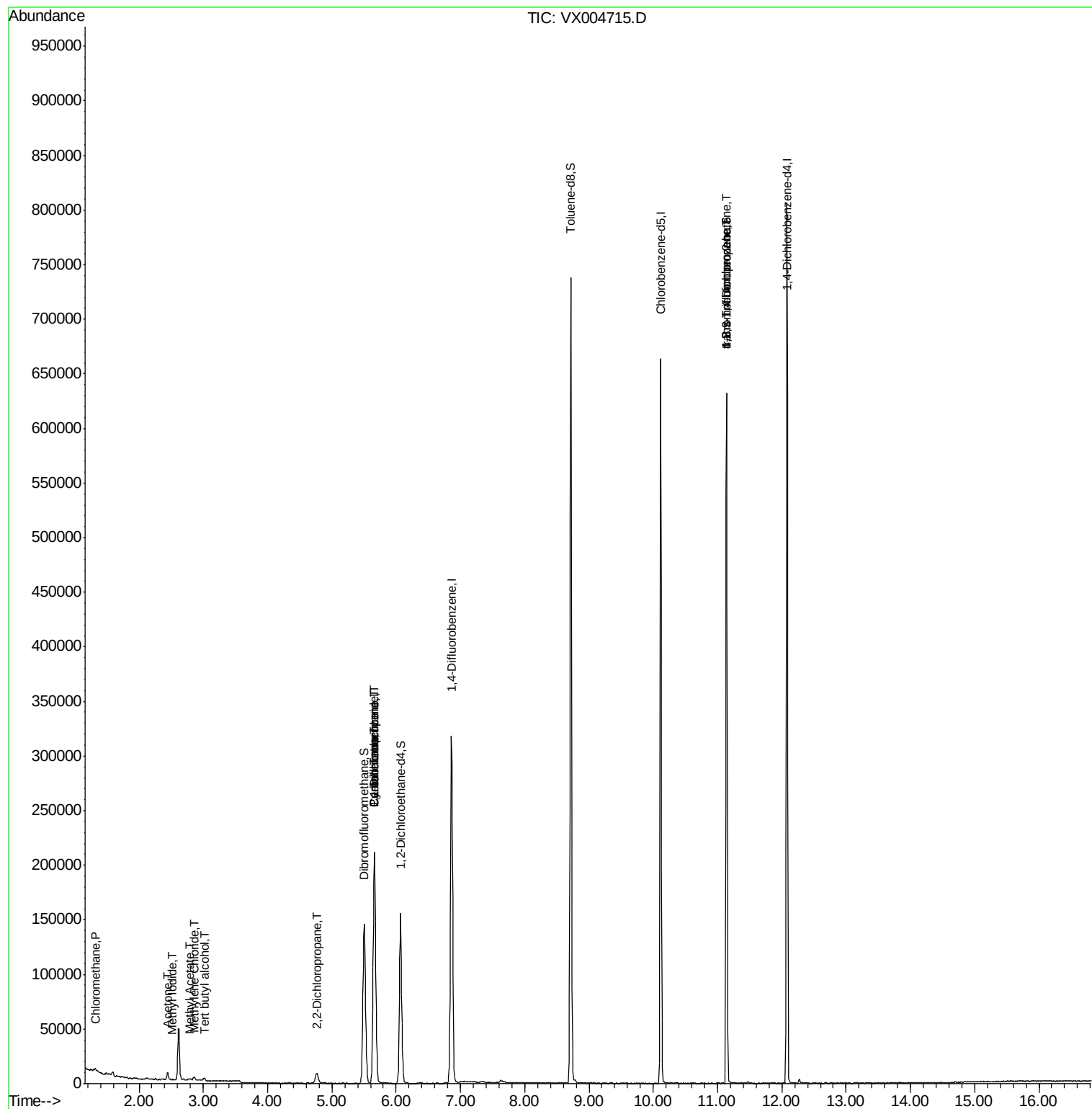
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	953	0.34	ug/l	94
5) Bromomethane	1.65	94	431	Below Cal	#	72
10) Methyl Iodide	2.52	142	225	4.33	ug/l #	87
11) Tert butyl alcohol	3.01	59	1393	2.08	ug/l #	77
16) Acetone	2.44	43	7271	5.31	ug/l	99
18) Methyl Acetate	2.78	43	1136	0.30	ug/l	98
20) Methylene Chloride	2.85	84	1247	0.44	ug/l #	79
26) 2,2-Dichloropropane	4.76	77	883	0.27	ug/l #	52
31) Cyclohexane	5.66	56	3555	0.88	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13310	3.30	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18931	4.80	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	75280	21.64	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	75280	68.98	ug/l #	10

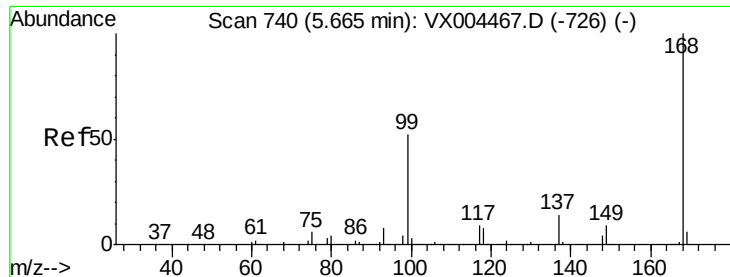
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004715.D

Acq: 19 Sep 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

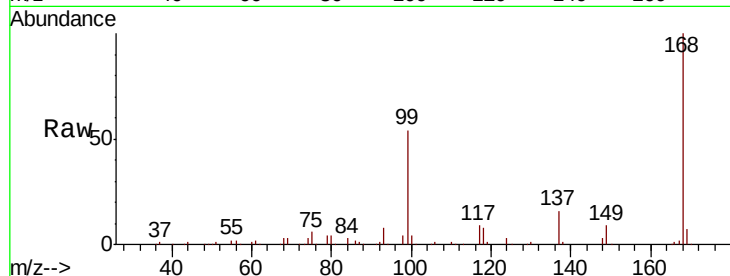
FC-MW10S-20180911

Tot Ion:168 Resp: 217488

Ion Ratio Lower Upper

168 100

99 54.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

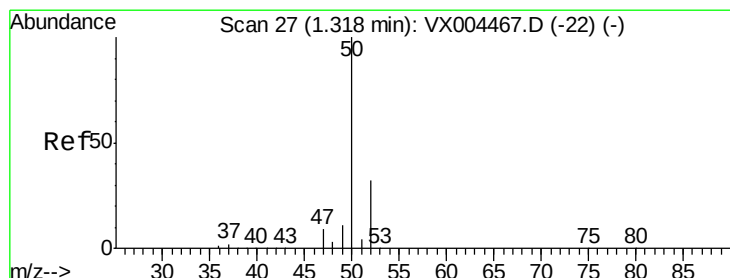
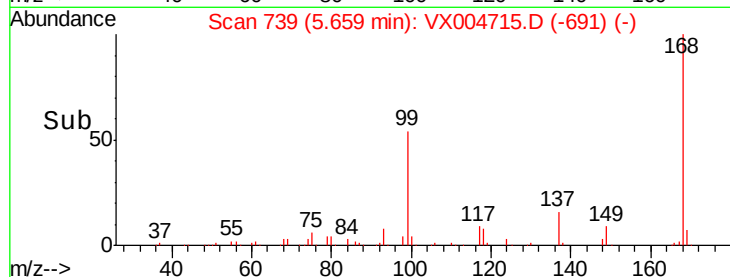
40000

20000

0

5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.34 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004715.D

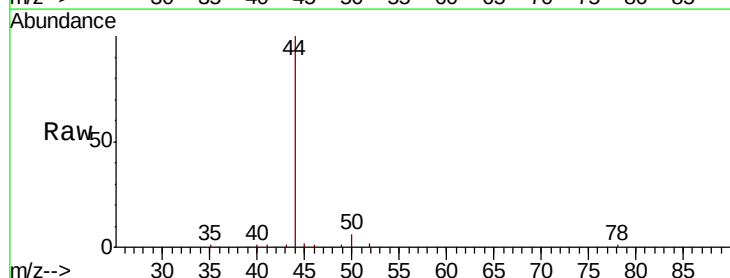
Acq: 19 Sep 2018 19:26

Tgt Ion: 50 Resp: 953

Ion Ratio Lower Upper

50 100

52 36.1 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

800

600

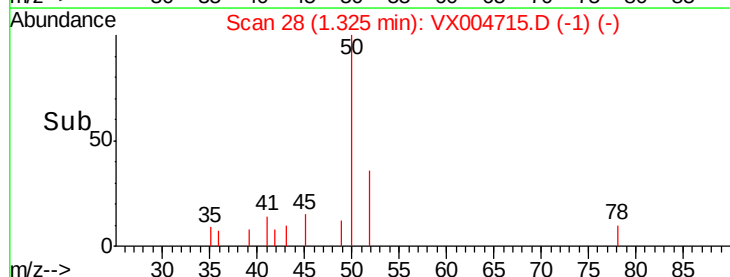
400

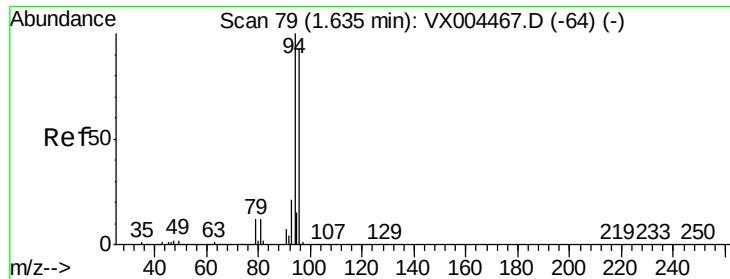
200

0

1.30 1.35 1.40

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004715.D

Acq: 19 Sep 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

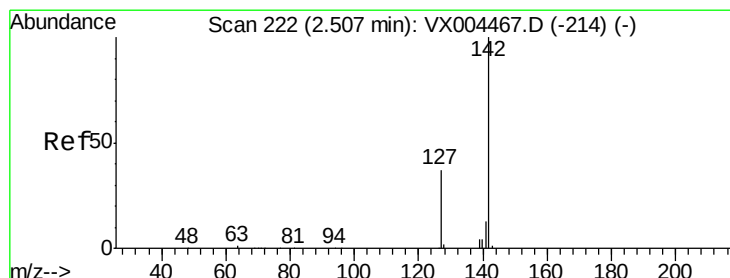
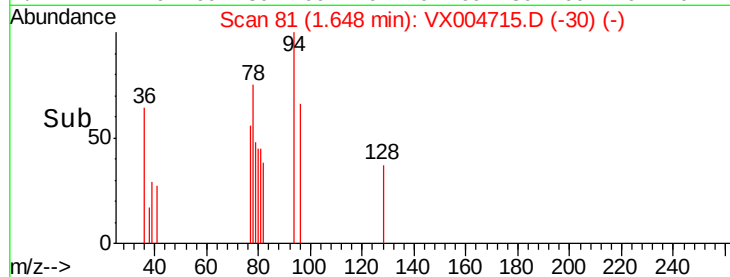
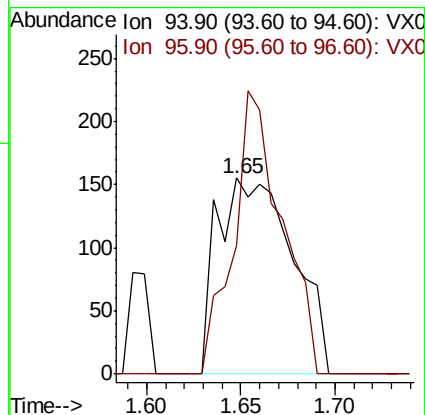
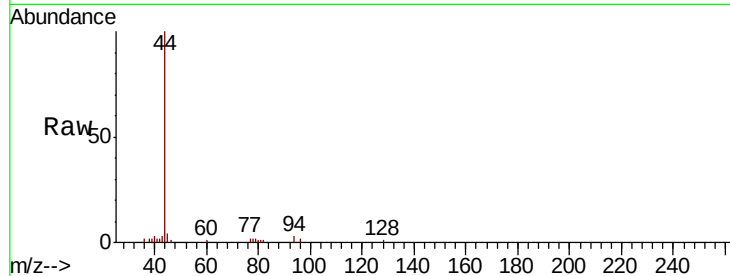
FC-MW10S-20180911

Tot Ion: 94 Resp: 431

Ion Ratio Lower Upper

94 100

96 65.8 74.5 111.7#



#10

Methyl Iodide

Concen: 4.33 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX004715.D

Acq: 19 Sep 2018 19:26

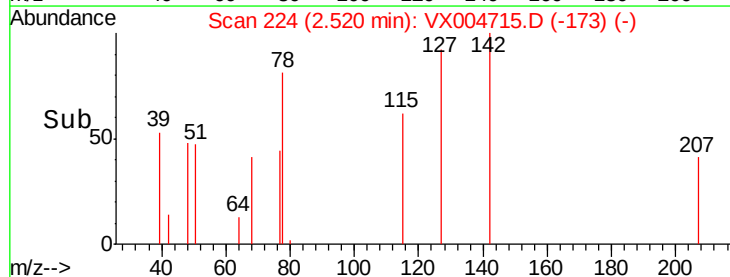
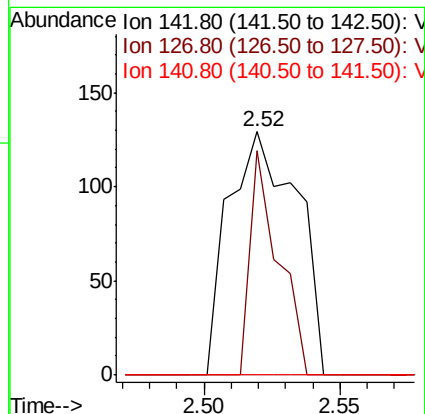
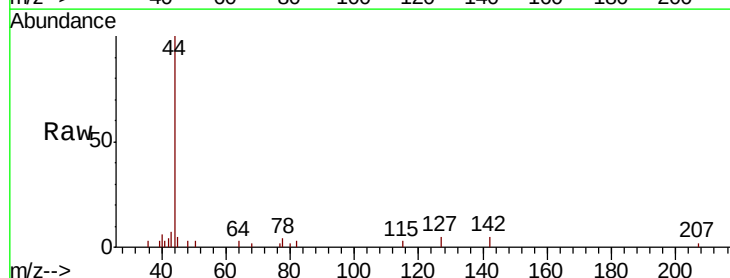
Tgt Ion: 142 Resp: 225

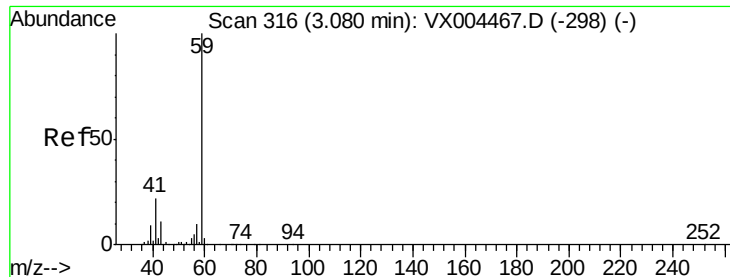
Ion Ratio Lower Upper

142 100

127 38.2 33.8 50.6

141 0.0 11.4 17.0#

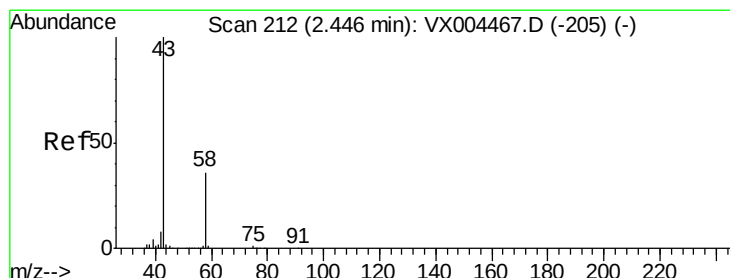
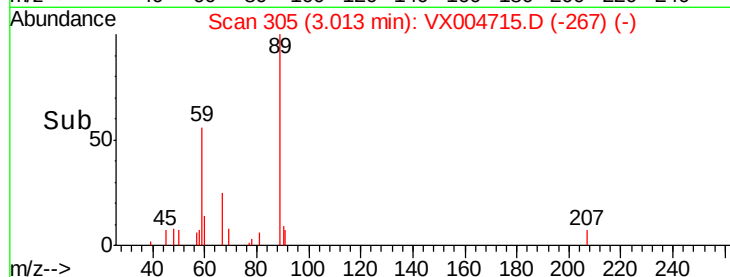
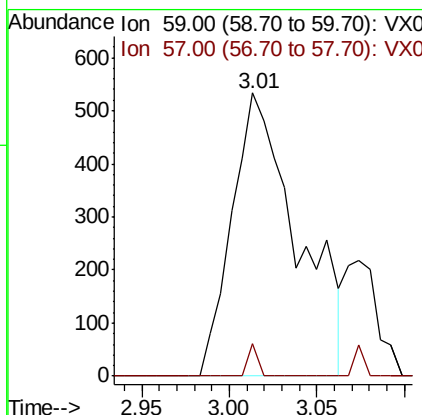
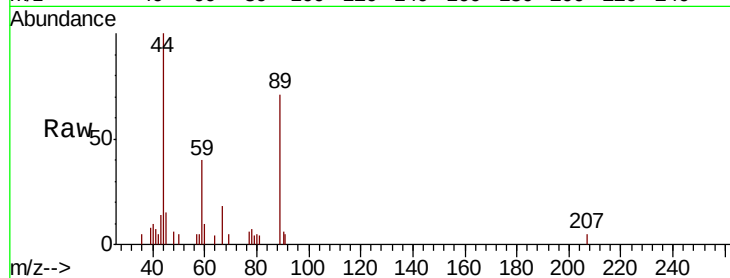




#11
Tert butyl alcohol
Concen: 2.08 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.07 min
Lab File: VX004715.D
Acq: 19 Sep 2018 19:26

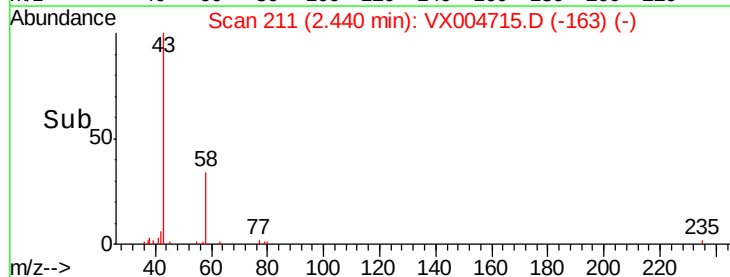
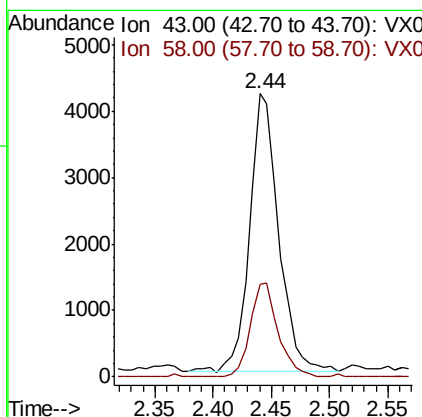
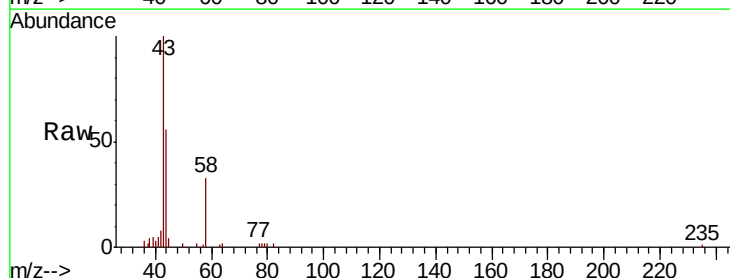
Instrument :
MSVOA_X
ClientSampleId :
FC-MW10S-20180911

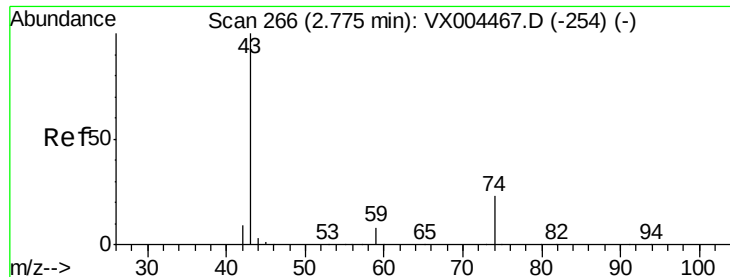
Tot Ion: 59 Resp: 1393
Ion Ratio Lower Upper
59 100
57 1.6 8.2 12.4#



#16
Acetone
Concen: 5.31 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX004715.D
Acq: 19 Sep 2018 19:26

Tgt Ion: 43 Resp: 7271
Ion Ratio Lower Upper
43 100
58 33.5 26.2 39.4

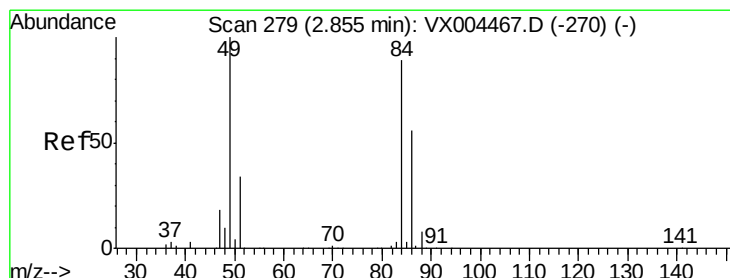
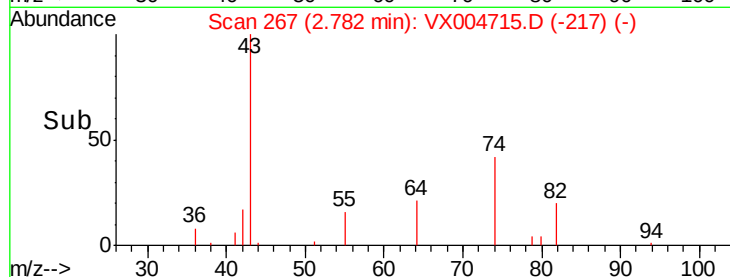
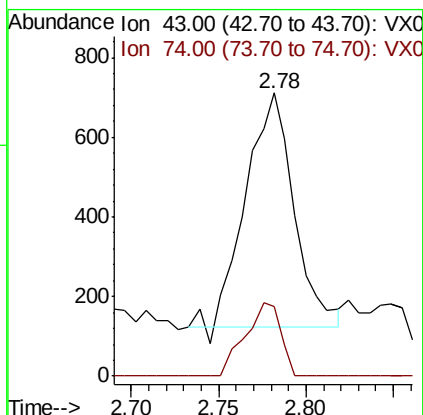
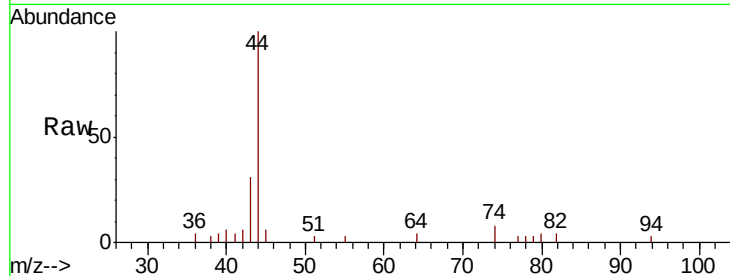




#18
Methyl Acetate
Concen: 0.30 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX004715.D
Acq: 19 Sep 2018 19:26

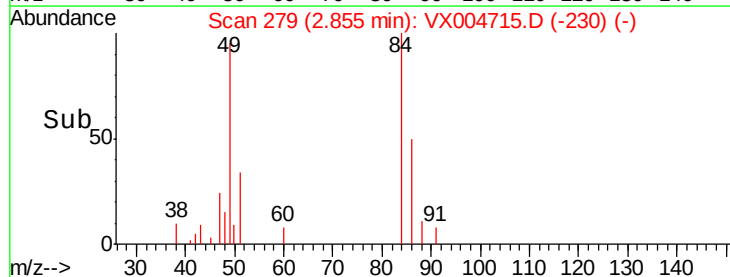
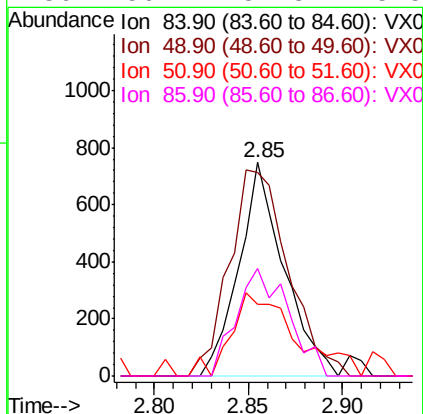
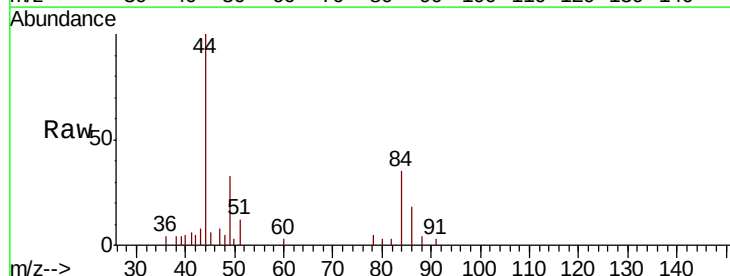
Instrument :
MSVOA_X
ClientSampleId :
FC-MW10S-20180911

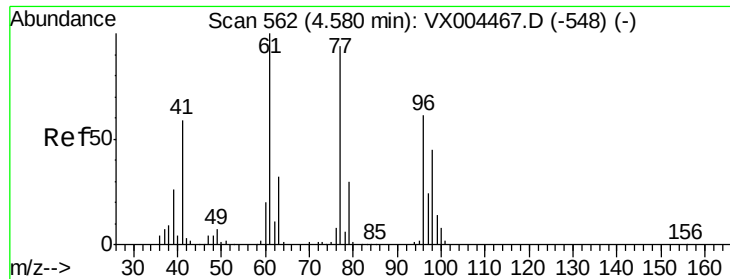
Tot Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
74 23.3 19.4 29.2



#20
Methylene Chloride
Concen: 0.44 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004715.D
Acq: 19 Sep 2018 19:26

Tgt Ion: 84 Resp: 1247
Ion Ratio Lower Upper
84 100
49 95.3 101.2 151.8#
51 33.8 29.5 44.3
86 50.1 52.3 78.5#





#26

2,2-Dichloropropane

Concen: 0.27 ug/l

RT: 4.76 min Scan# 591

Delta R.T. 0.18 min

Lab File: VX004715.D

Acq: 19 Sep 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

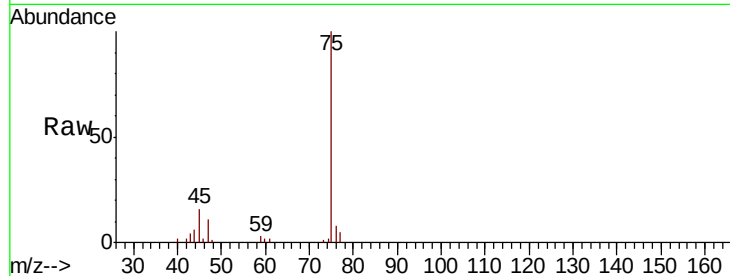
FC-MW10S-20180911

Tot Ion: 77 Resp: 883

Ion Ratio Lower Upper

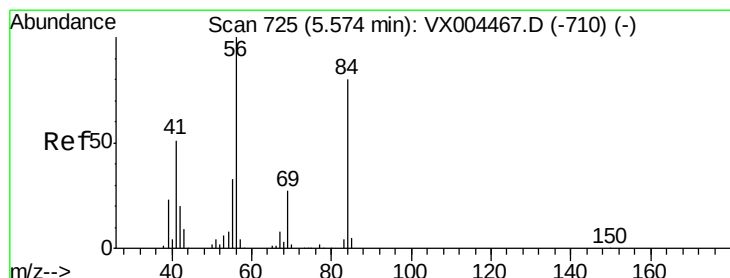
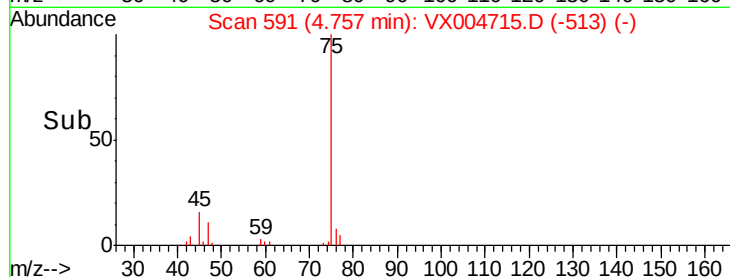
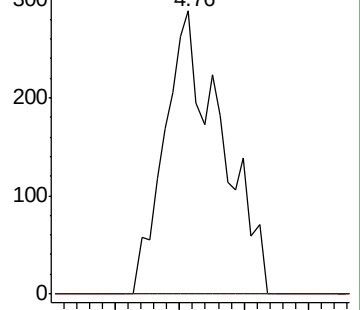
77 100

97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#31

Cyclohexane

Concen: 0.88 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX004715.D

Acq: 19 Sep 2018 19:26

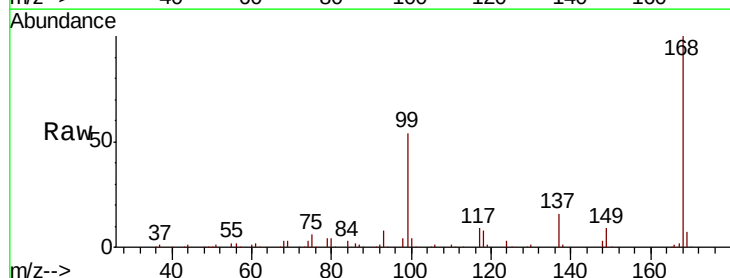
Tgt Ion: 56 Resp: 3555

Ion Ratio Lower Upper

56 100

69 165.8 25.4 38.2#

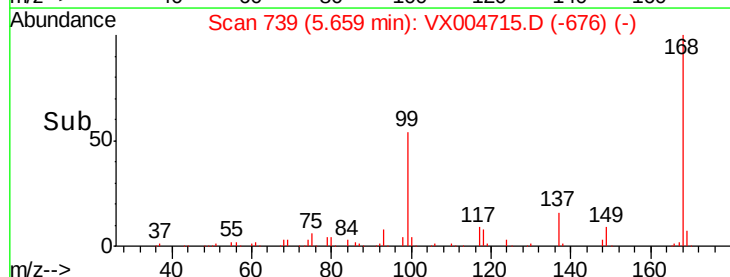
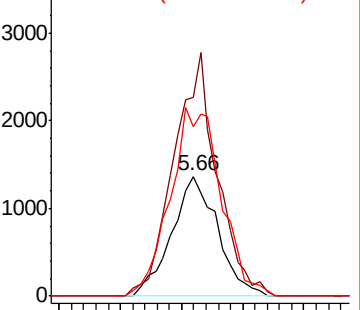
84 141.2 71.4 107.2#

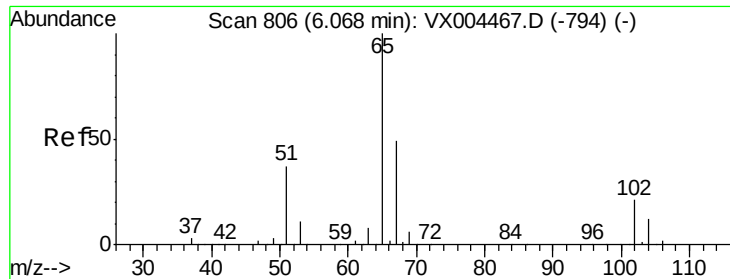


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

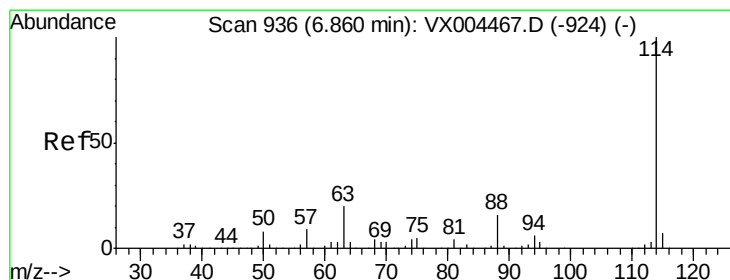
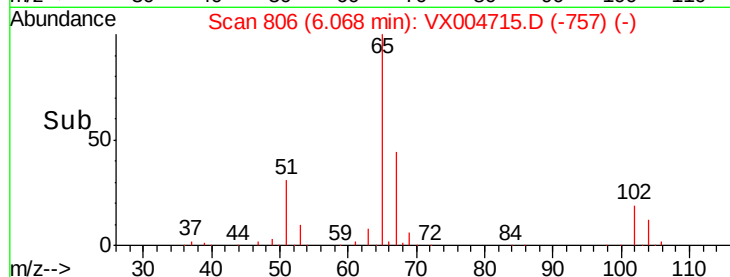
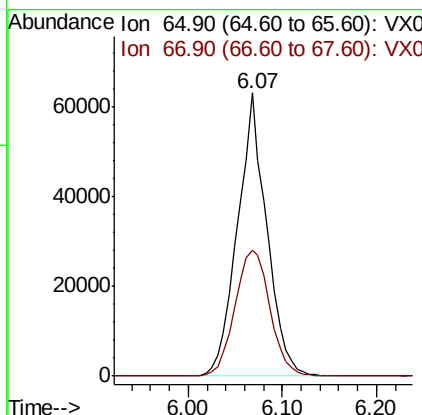
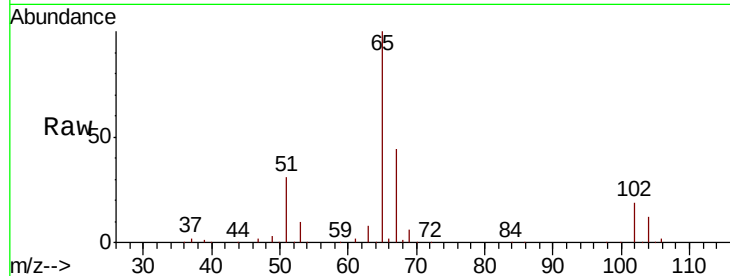




#33
 1,2-Dichloroethane-d4
 Concen: 48.89 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004715.D
 Acq: 19 Sep 2018 19:26

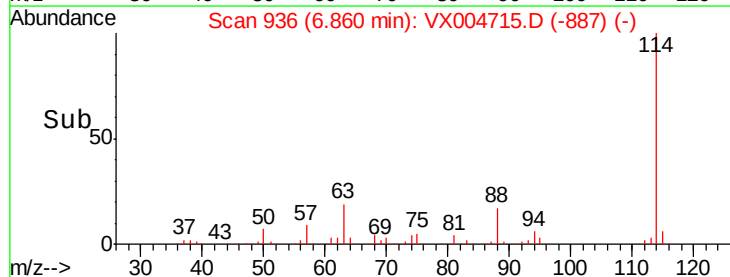
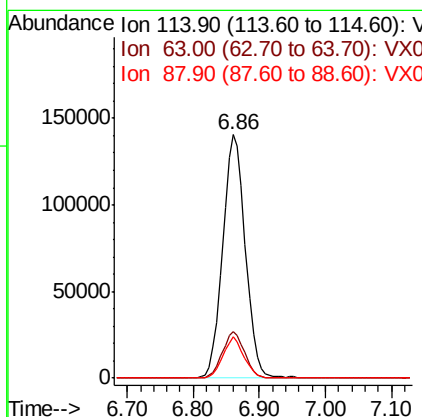
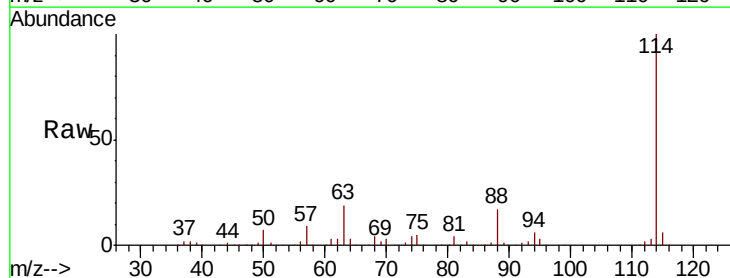
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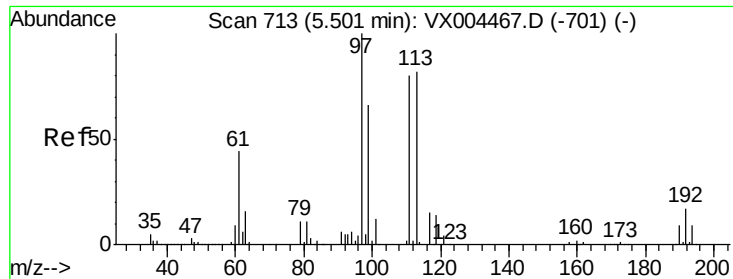
Tot Ion: 65 Resp: 137091
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004715.D
 Acq: 19 Sep 2018 19:26

Tgt Ion: 114 Resp: 332563
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.0
 88 17.0 0.0 30.4

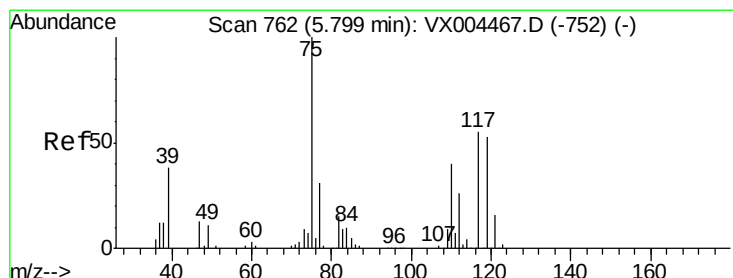
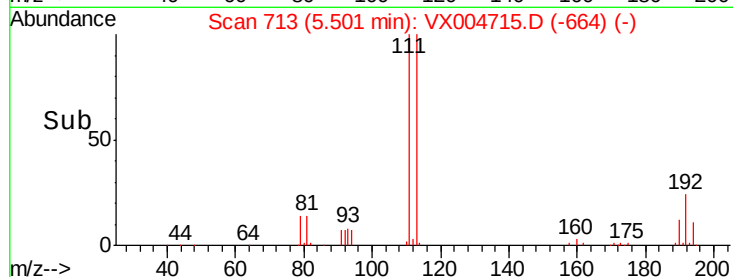
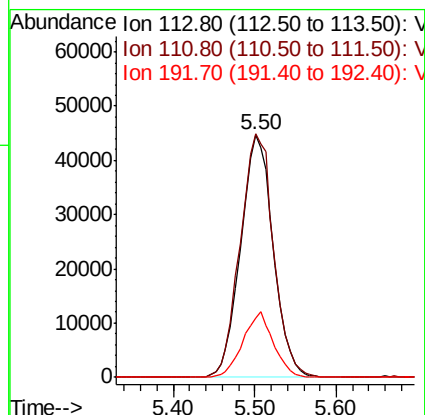
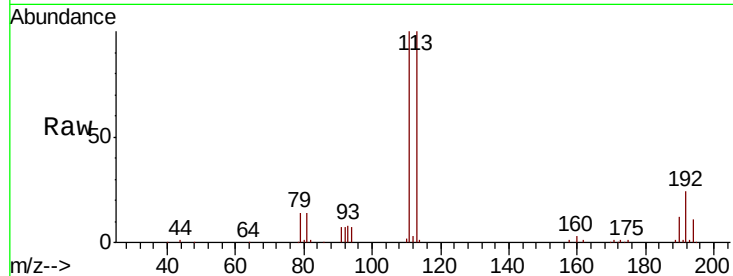




#35
 Dibromofluoromethane
 Concen: 40.74 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004715.D
 Acq: 19 Sep 2018 19:26

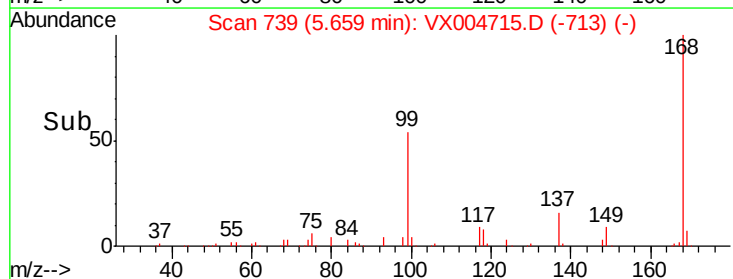
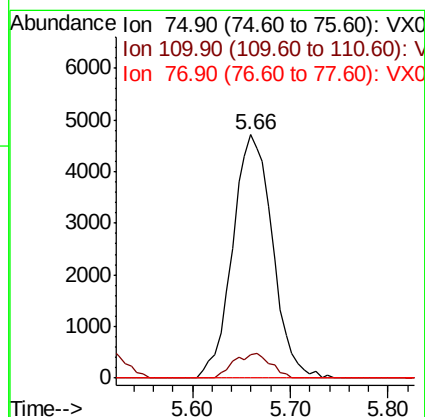
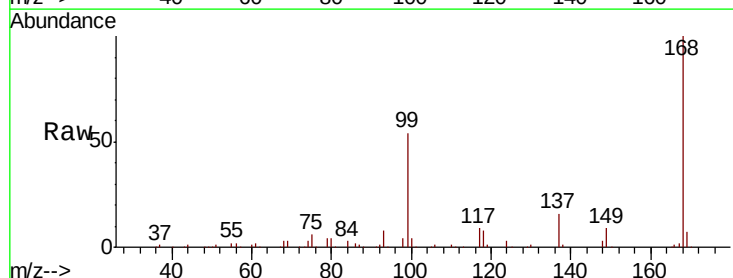
Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW10S-20180911

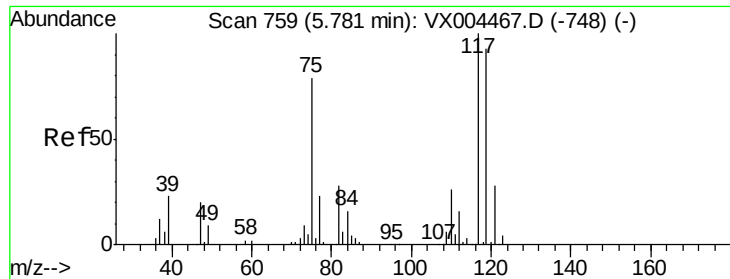
Tot Ion:113 Resp: 123971
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.4 123.6
 192 25.3 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.30 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004715.D
 Acq: 19 Sep 2018 19:26

Tgt Ion: 75 Resp: 13310
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.80 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004715.D

Acq: 19 Sep 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

FC-MW10S-20180911

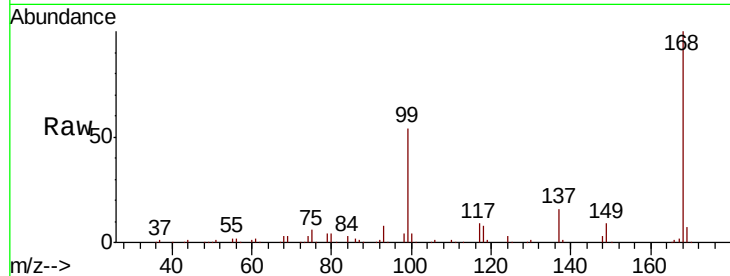
Tot Ion:117 Resp: 18931

Ion Ratio Lower Upper

117 100

119 7.3 78.8 118.2#

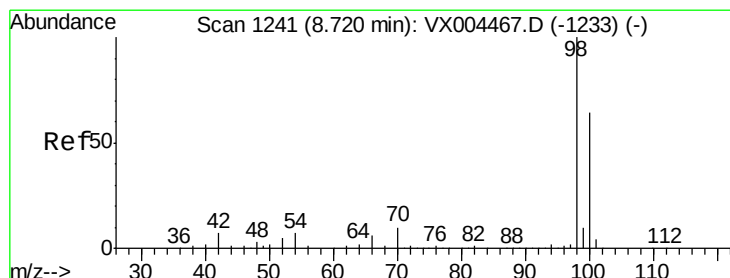
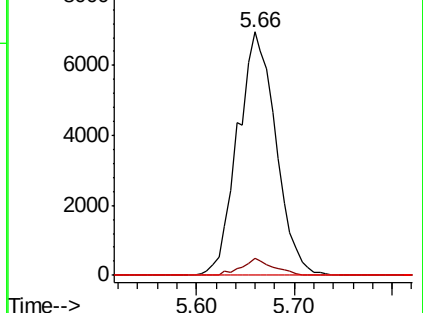
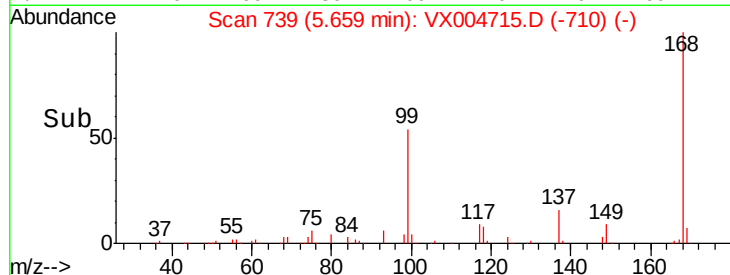
121 0.0 24.9 37.3#



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: 45.31 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX004715.D

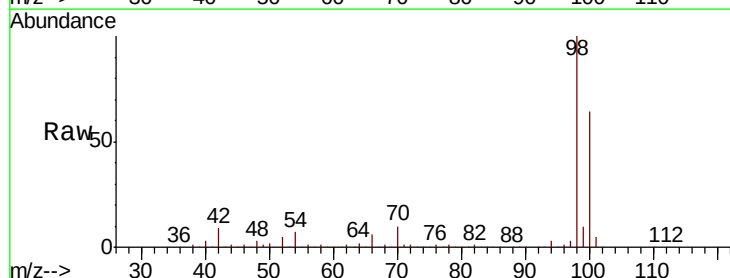
Acq: 19 Sep 2018 19:26

Tgt Ion: 98 Resp: 462417

Ion Ratio Lower Upper

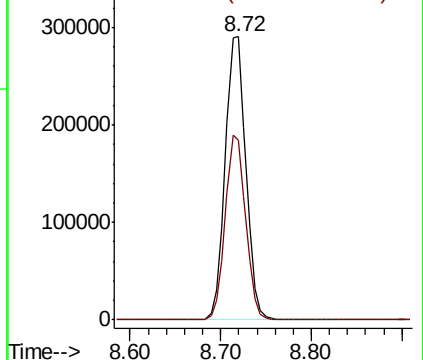
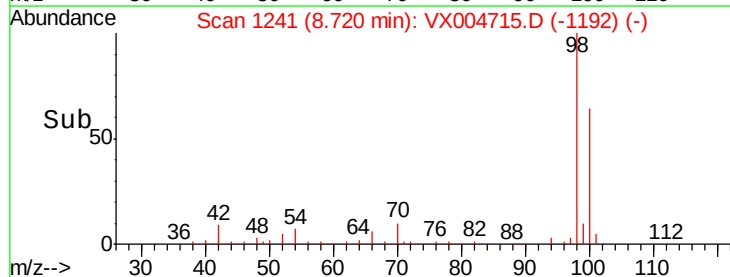
98 100

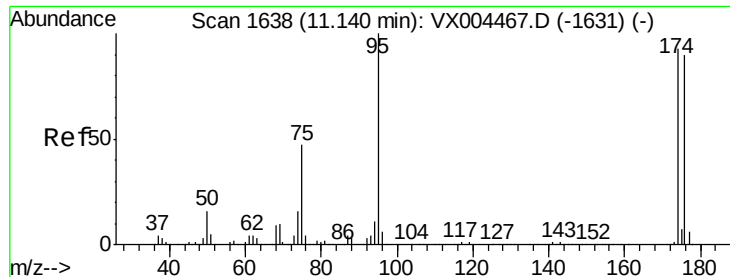
100 64.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

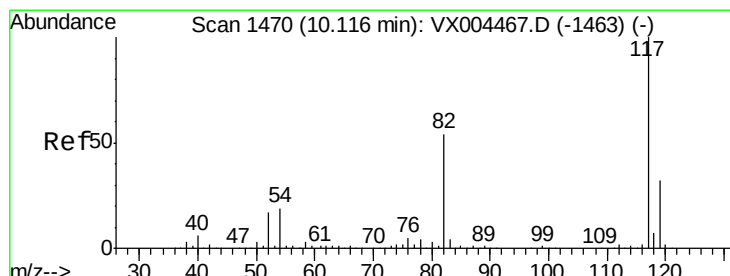
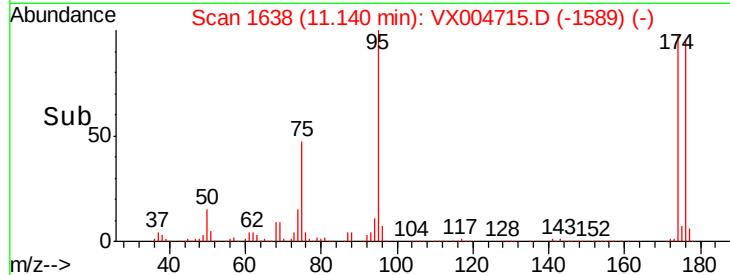
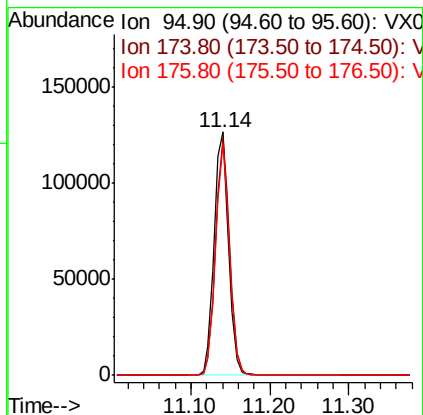
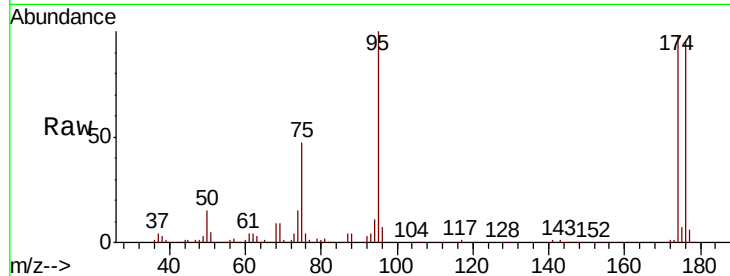




#62
4-Bromofluorobenzene
Concen: 44.49 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004715.D
Acq: 19 Sep 2018 19:26

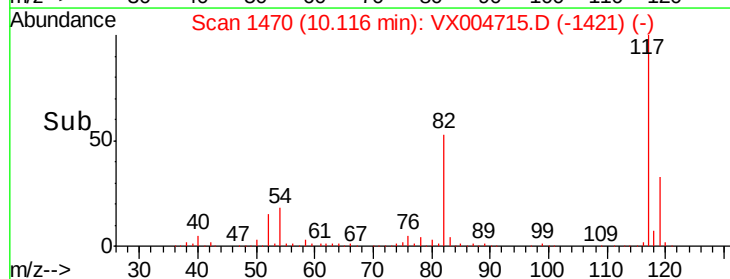
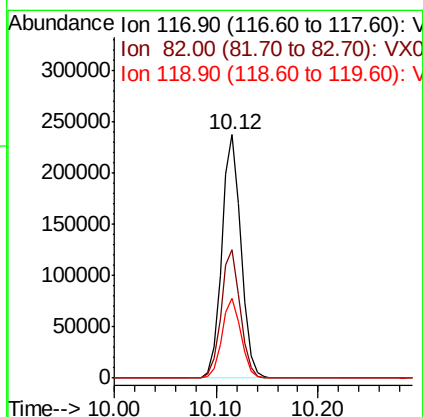
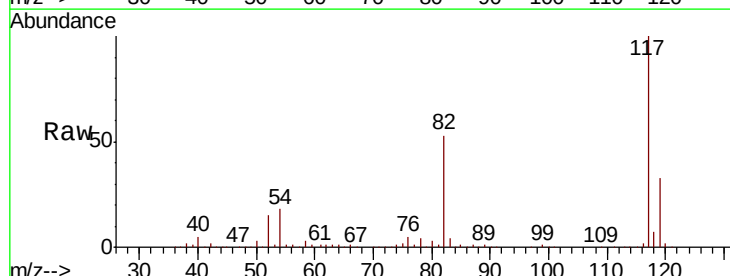
Instrument :
MSVOA_X
ClientSampleId :
FC-MW10S-20180911

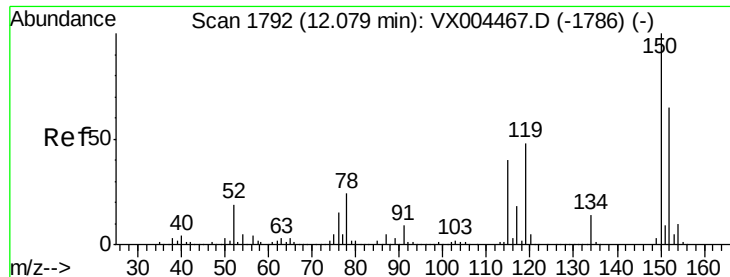
Tot Ion: 95 Resp: 162087
Ion Ratio Lower Upper
95 100
174 95.7 0.0 185.2
176 91.9 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004715.D
Acq: 19 Sep 2018 19:26

Tgt Ion: 117 Resp: 310003
Ion Ratio Lower Upper
117 100
82 53.0 47.8 71.6
119 32.6 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004715.D

Acq: 19 Sep 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

FC-MW10S-20180911

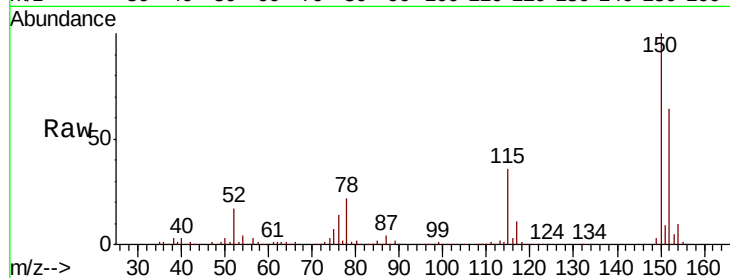
Tot Ion:152 Resp: 172911

Ion Ratio Lower Upper

152 100

115 54.3 39.0 117.0

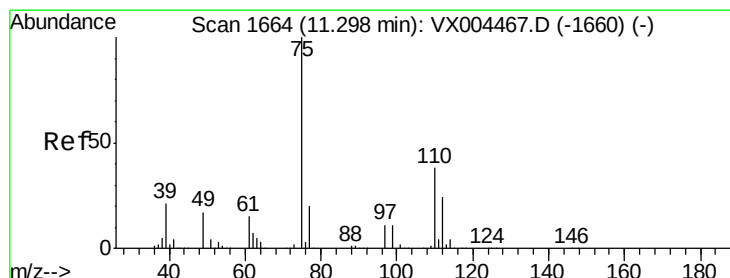
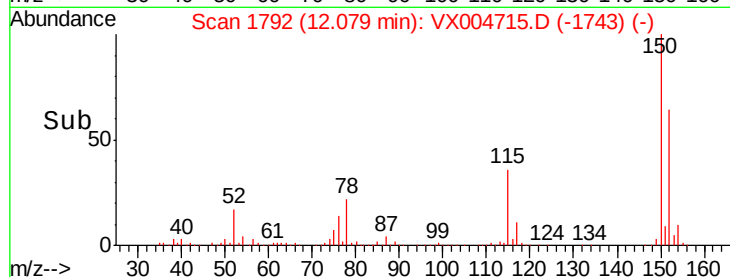
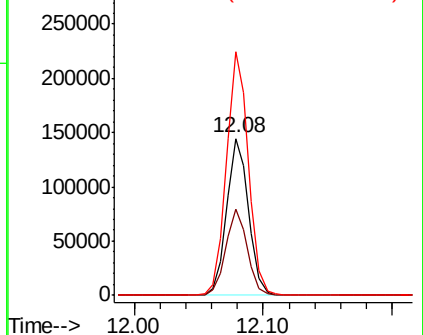
150 155.5 0.0 351.0



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: 21.64 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004715.D

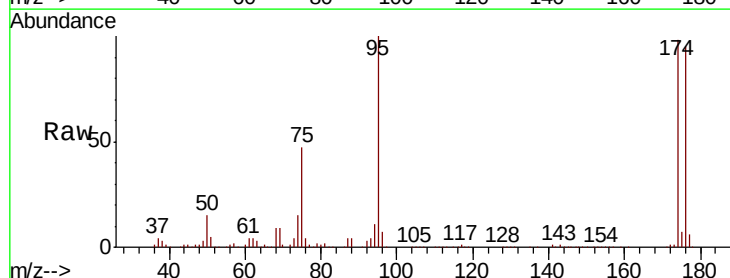
Acq: 19 Sep 2018 19:26

Tgt Ion: 75 Resp: 75280

Ion Ratio Lower Upper

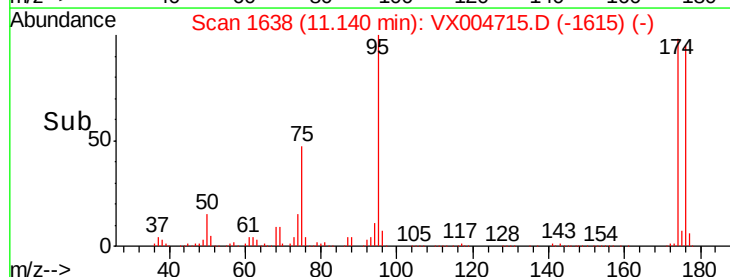
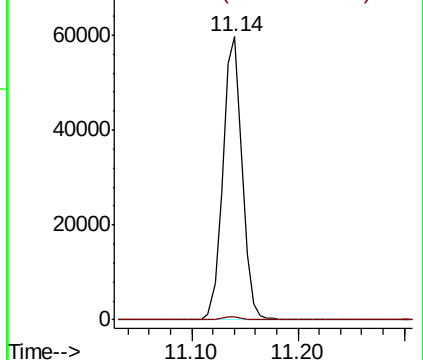
75 100

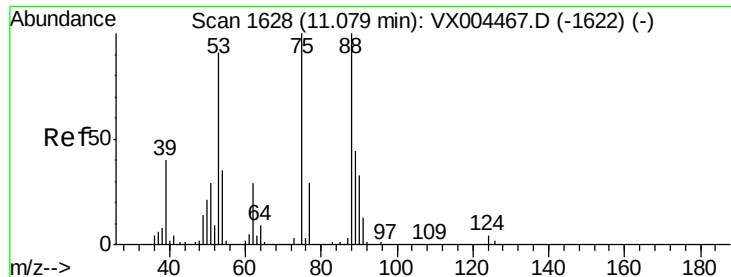
77 1.2 20.2 60.6#



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: 68.98 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004715.D

Acq: 19 Sep 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

FC-MW10S-20180911

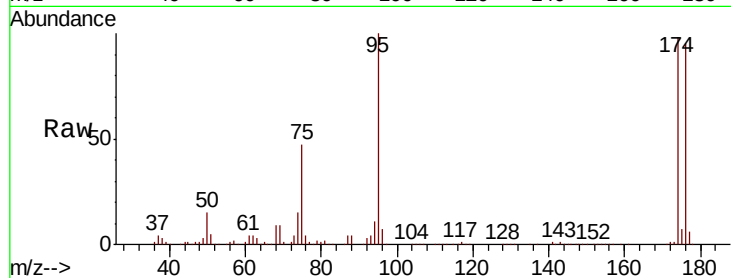
Tot Ion: 75 Resp: 75280

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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

