

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042519\
 Data File : VX009162.D
 Acq On : 25 Apr 2019 15:09
 Operator : JC/SP
 Sample : K2555-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-10

Quant Time: Apr 26 04:33:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	216538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	351344	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	304249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126546	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	144989	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
35) Dibromofluoromethane	5.50	113	106348	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
50) Toluene-d8	8.71	98	438488	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.13	95	144494	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	

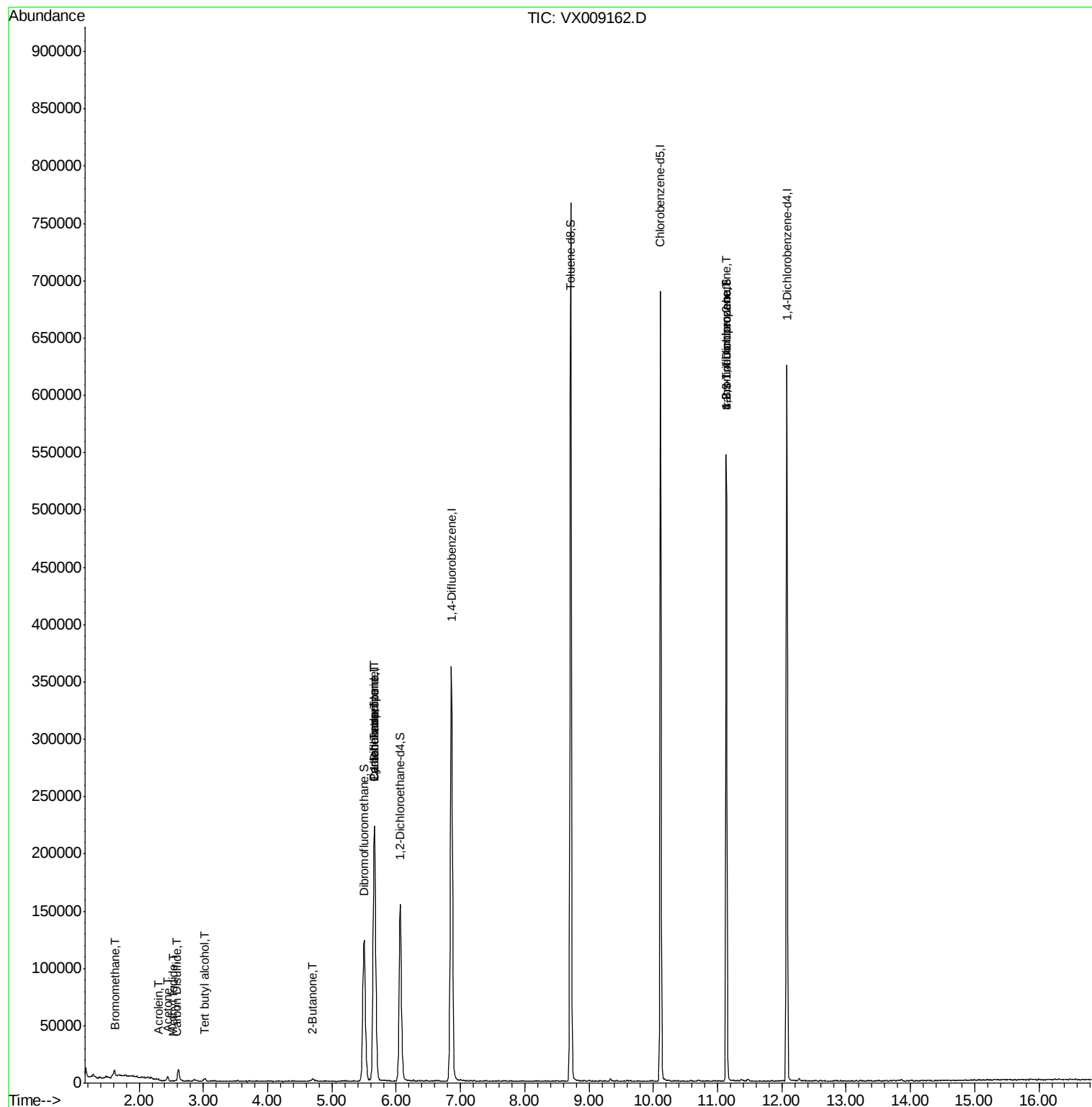
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	233	3.964	ug/l #	77
10) Methyl Iodide	2.53	142	96	4.450	ug/l #	42
11) Tert butyl alcohol	3.02	59	1708	2.521	ug/l #	79
13) Acrolein	2.31	56	256	0.437	ug/l	97
16) Acetone	2.44	43	4353	2.751	ug/l	95
17) Carbon Disulfide	2.57	76	604	1.339	ug/l #	75
25) 2-Butanone	4.70	43	784	0.310	ug/l #	54
28) Bromochloromethane	5.01	49	84	Below Cal	#	21
31) Cyclohexane	5.66	56	4750	0.977	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17328	4.769	ug/l #	50
38) Carbon Tetrachloride	5.67	117	20607	6.689	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	73343	23.736	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	73343	60.936	ug/l #	11

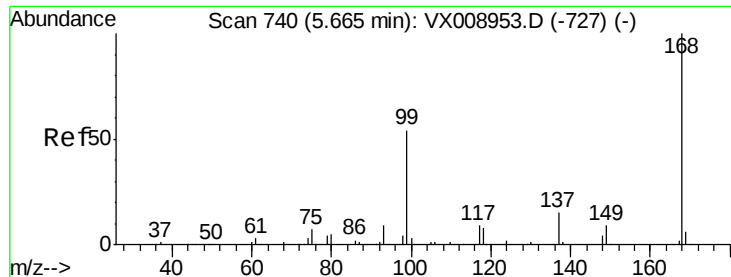
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 17 06:47:58 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009162.D

Acq: 25 Apr 2019 15:09

Instrument :

MSVOA_X

ClientSampleId :

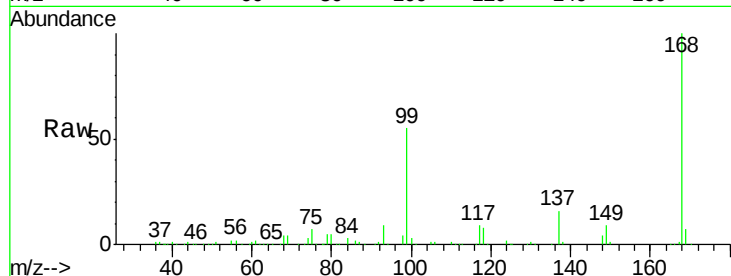
HW-10

Tot Ion:168 Resp: 216538

Ion Ratio Lower Upper

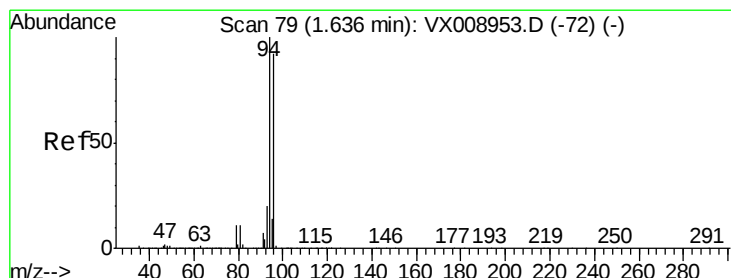
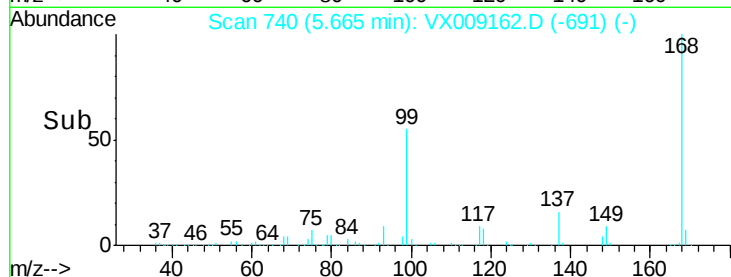
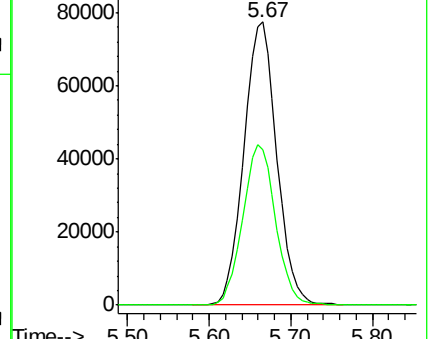
168 100

99 55.1 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 3.964 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009162.D

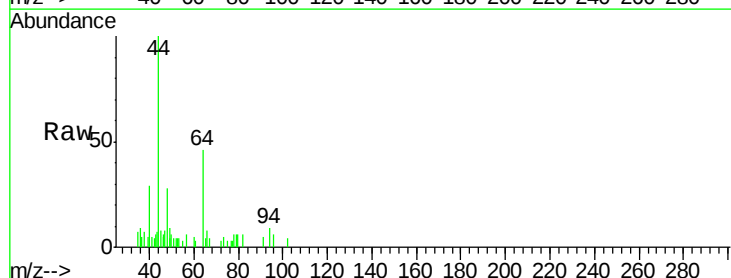
Acq: 25 Apr 2019 15:09

Tgt Ion: 94 Resp: 233

Ion Ratio Lower Upper

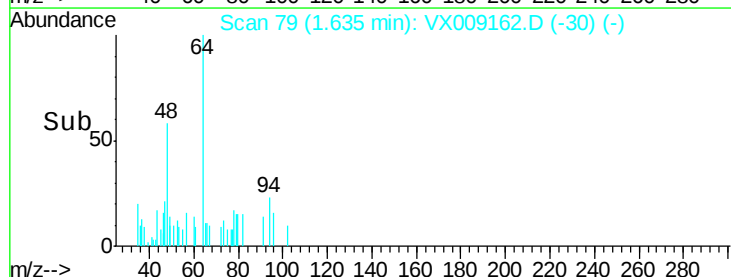
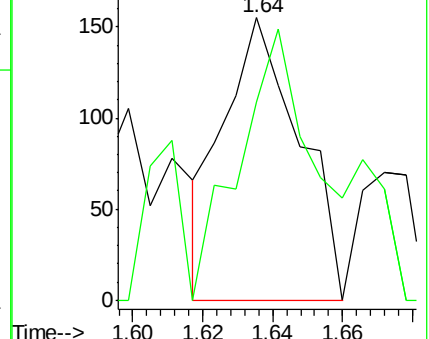
94 100

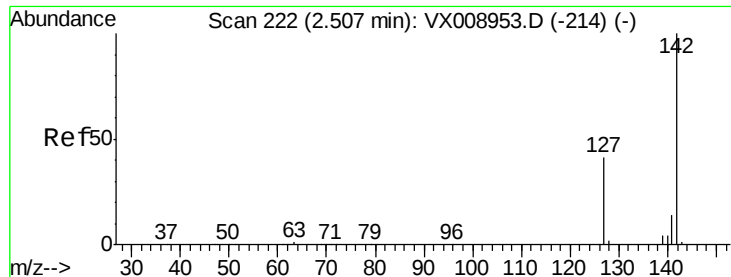
96 70.3 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

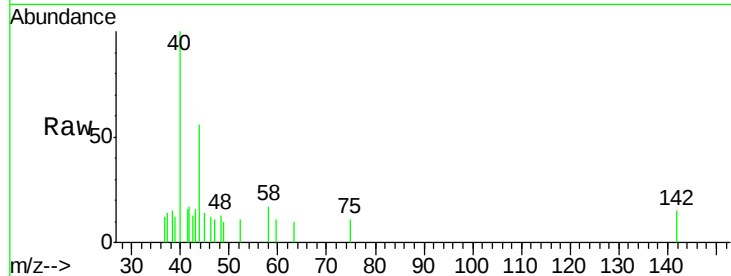




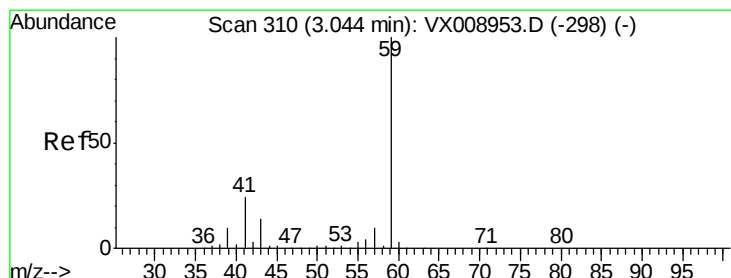
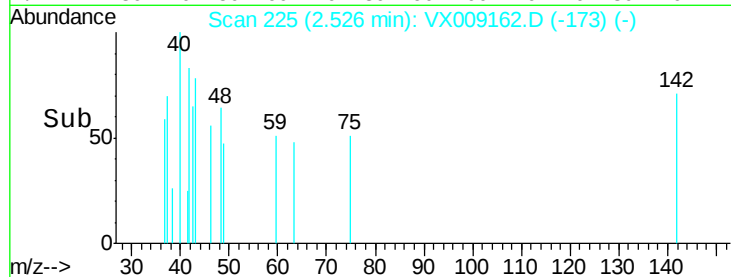
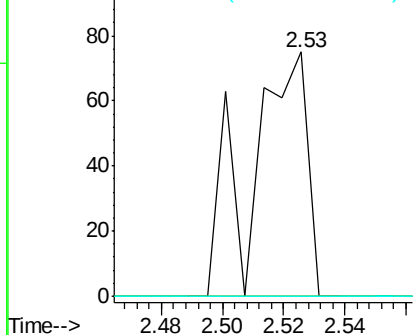
#10
Methvl Iodide
Concen: 4.450 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX009162.D
Acq: 25 Apr 2019 15:09

Instrument :
MSVOA_X
ClientSampled :
HW-10

Tot Ion:142 Resp: 96
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#

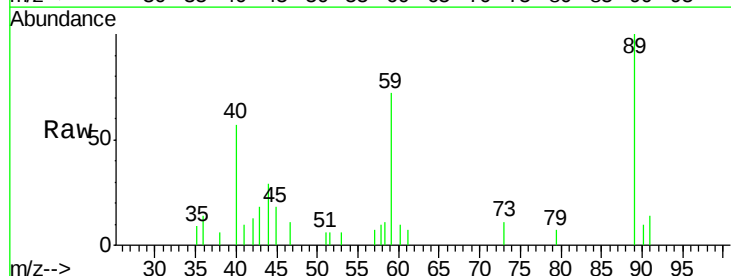


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

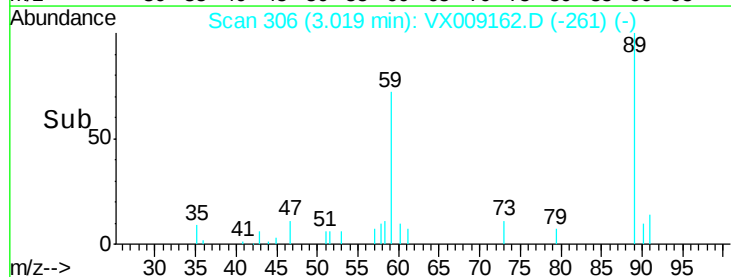
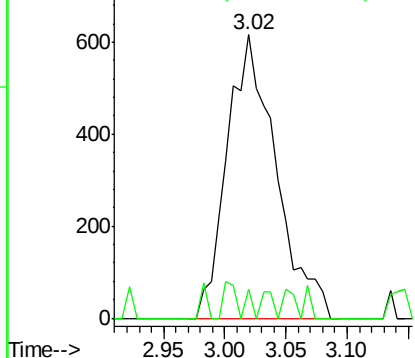


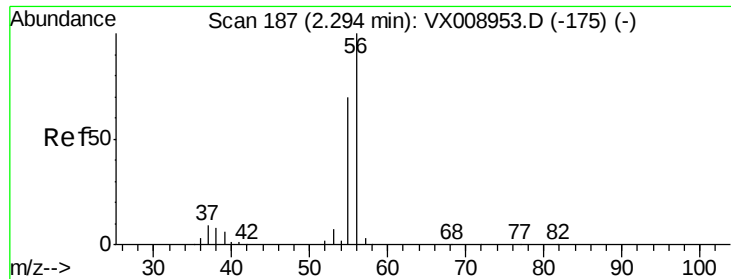
#11
Tert butyl alcohol
Concen: 2.521 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX009162.D
Acq: 25 Apr 2019 15:09

Tgt Ion: 59 Resp: 1708
Ion Ratio Lower Upper
59 100
57 2.5 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.437 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX009162.D

Acq: 25 Apr 2019 15:09

Instrument :

MSVOA_X

ClientSampled :

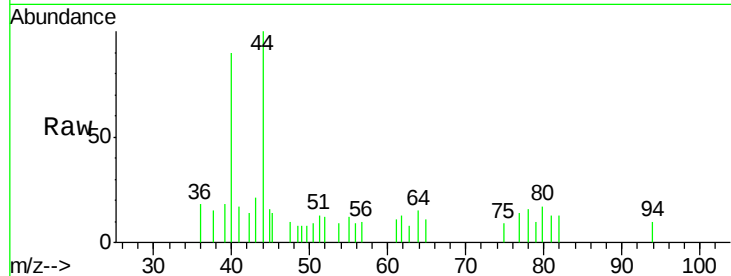
HW-10

Tot Ion: 56 Resp: 256

Ion Ratio Lower Upper

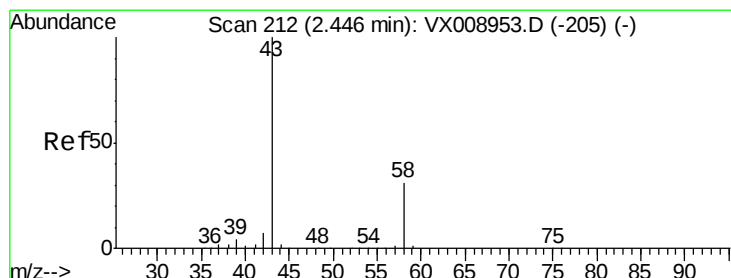
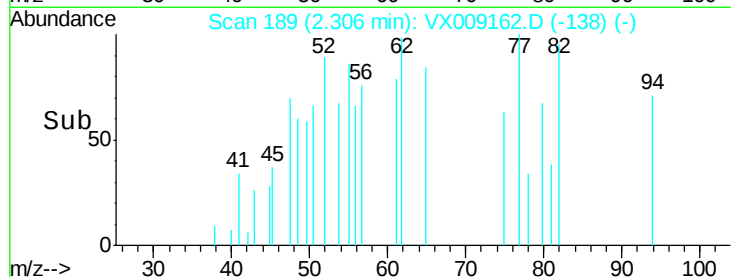
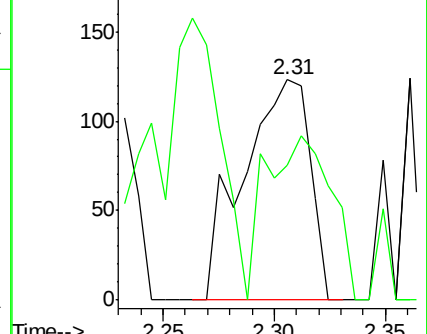
56 100

55 73.4 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.751 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009162.D

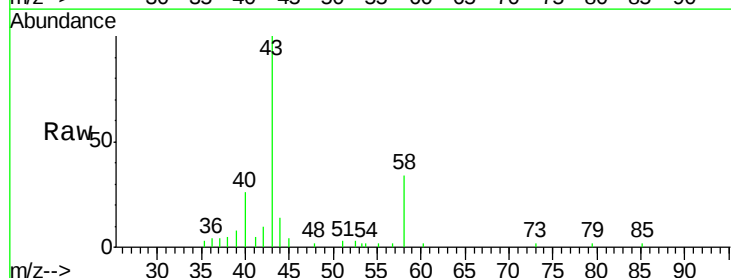
Acq: 25 Apr 2019 15:09

Tgt Ion: 43 Resp: 4353

Ion Ratio Lower Upper

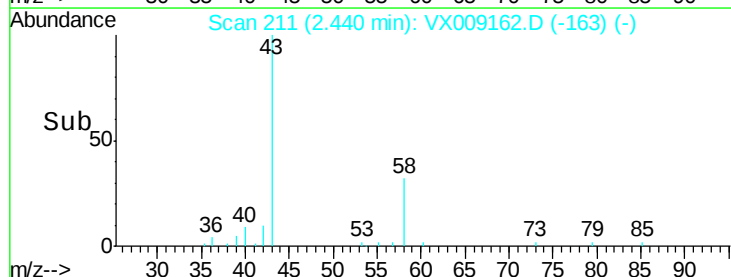
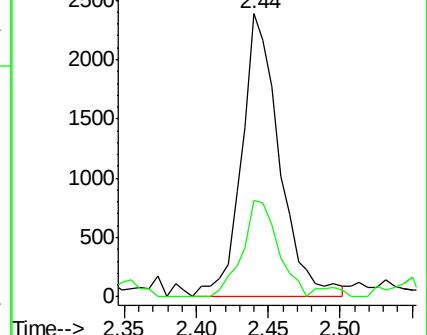
43 100

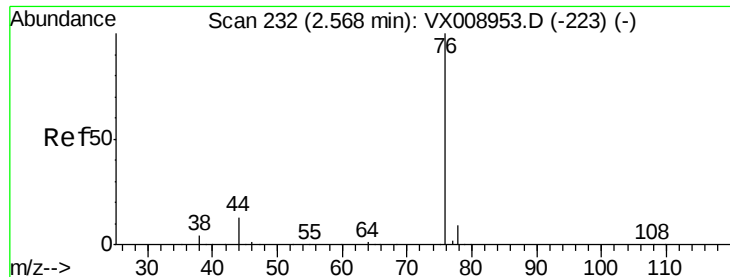
58 33.9 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 1.339 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009162.D

Acq: 25 Apr 2019 15:09

Instrument :

MSVOA_X

ClientSampled :

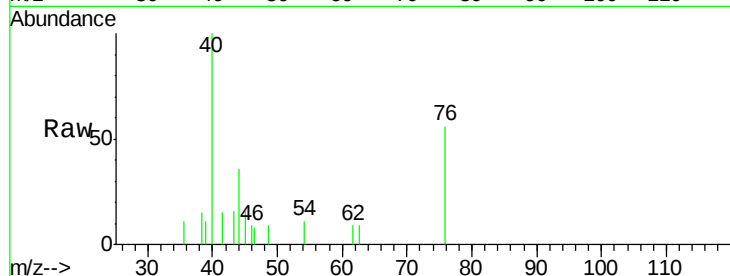
HW-10

Tot Ion: 76 Resp: 604

Ion Ratio Lower Upper

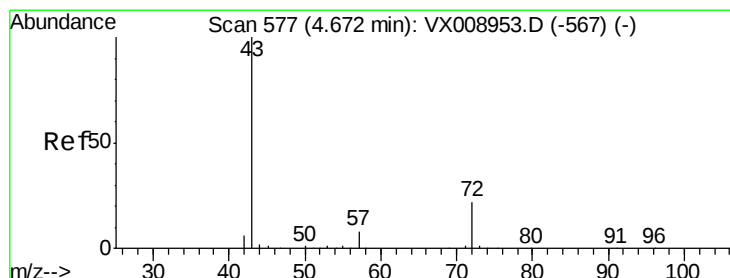
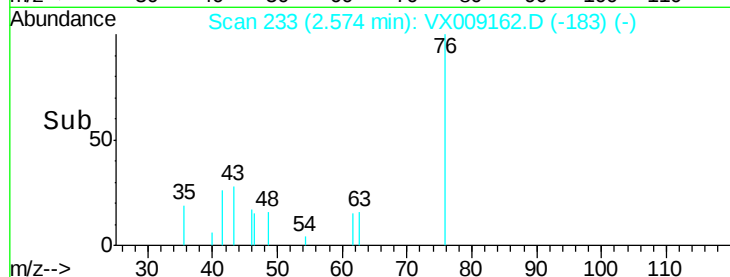
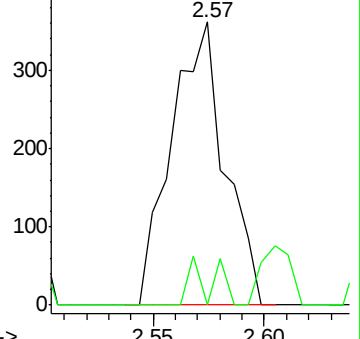
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: 0.310 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX009162.D

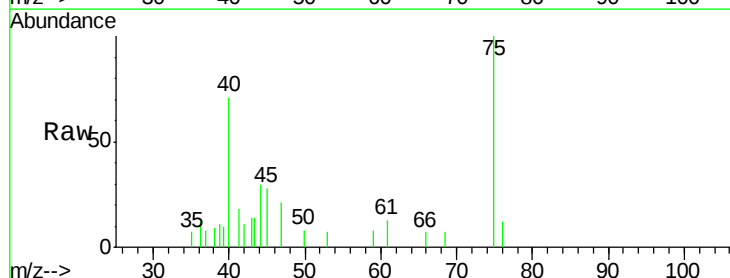
Acq: 25 Apr 2019 15:09

Tgt Ion: 43 Resp: 784

Ion Ratio Lower Upper

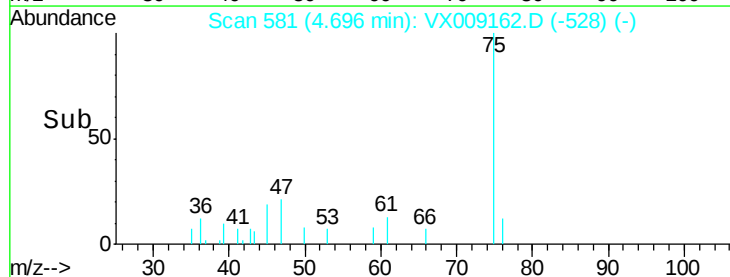
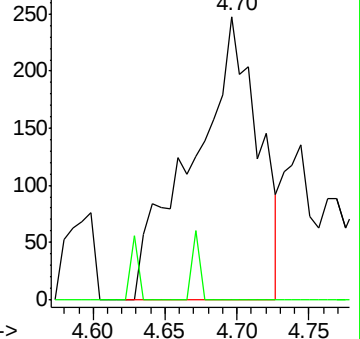
43 100

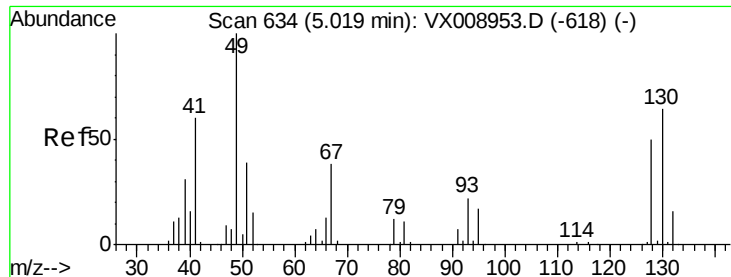
72 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

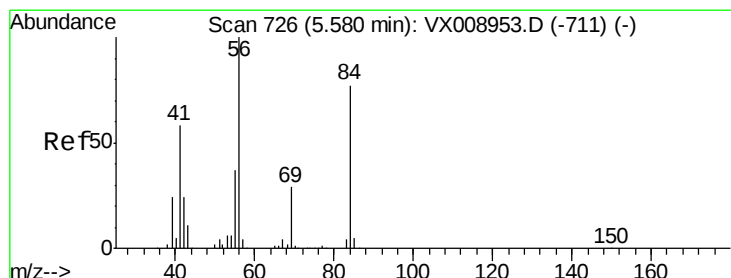
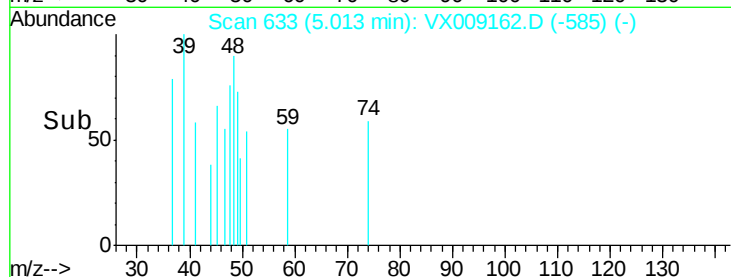
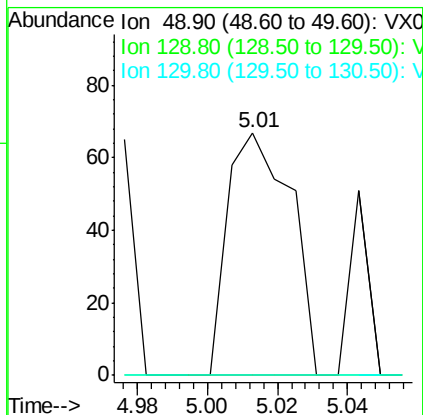
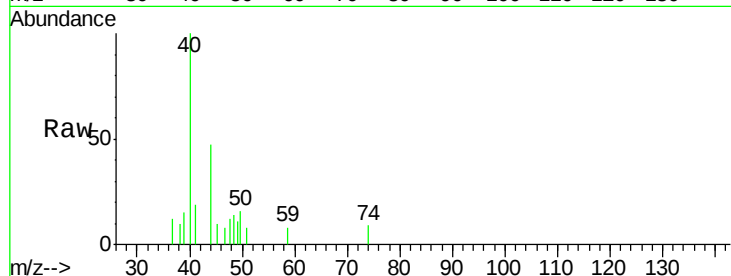
Lab File: VX009162.D

Acq: 25 Apr 2019 15:09

Instrument :
MSVOA_X
ClientSampled :
HW-10

Tot Ion: 49 Resp: 84

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	50.4	75.6



#31

Cyclohexane

Concen: 0.977 ug/l

RT: 5.66 min Scan# 739

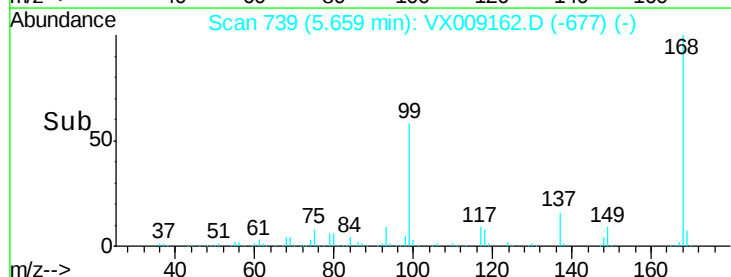
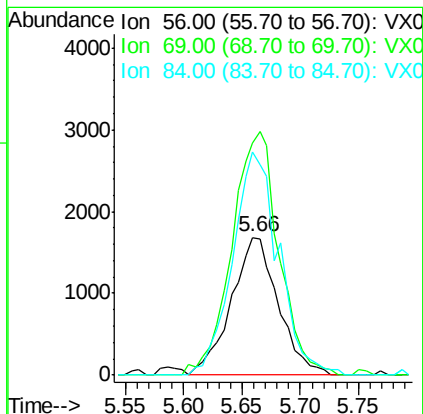
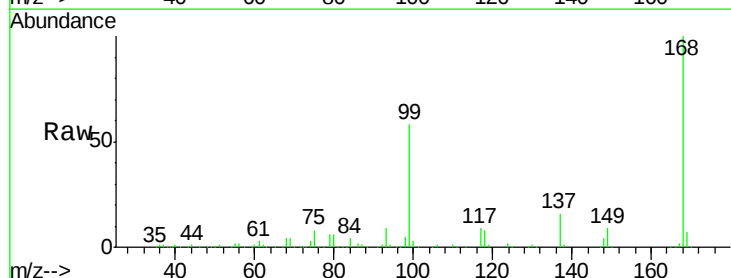
Delta R.T. 0.08 min

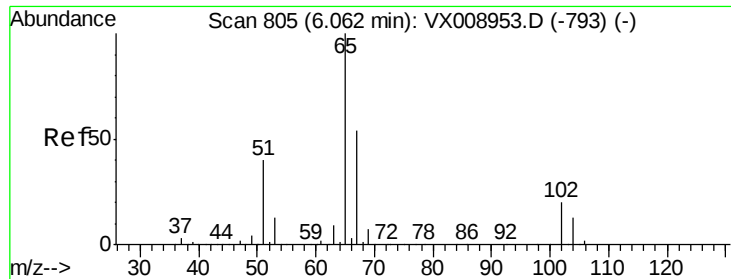
Lab File: VX009162.D

Acq: 25 Apr 2019 15:09

Tgt Ion: 56 Resp: 4750

Ion	Ratio	Lower	Upper
56	100		
69	168.8	23.3	34.9
84	162.4	61.7	92.5

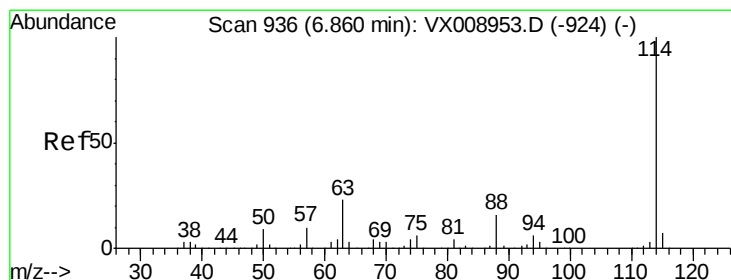
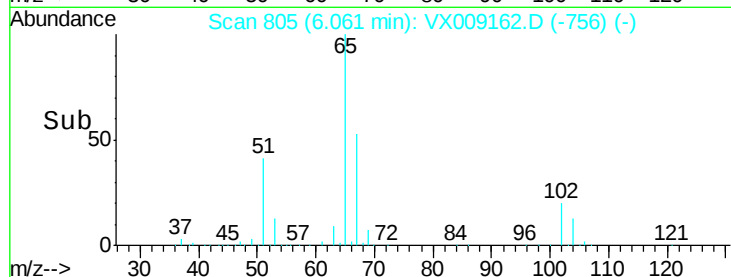
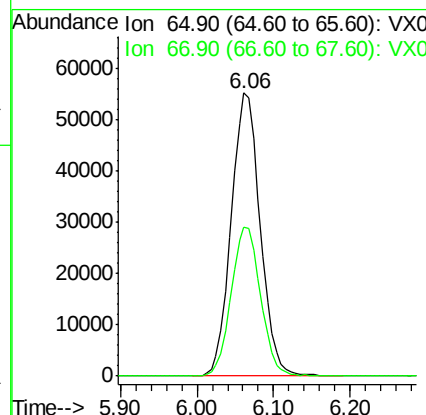
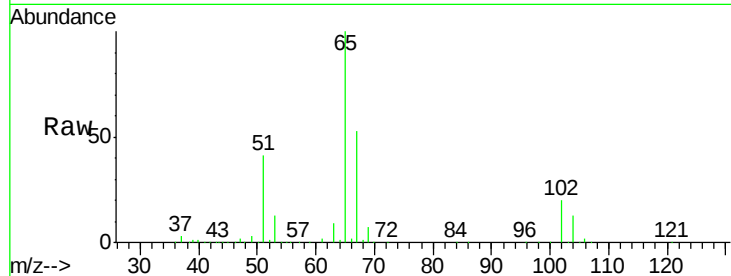




#33
 1,2-Dichloroethane-d4
 Concen: 47.512 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009162.D
 Acq: 25 Apr 2019 15:09

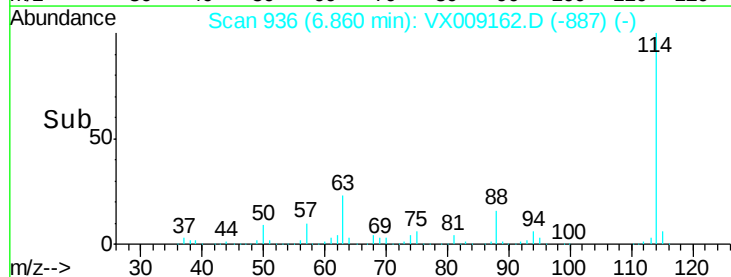
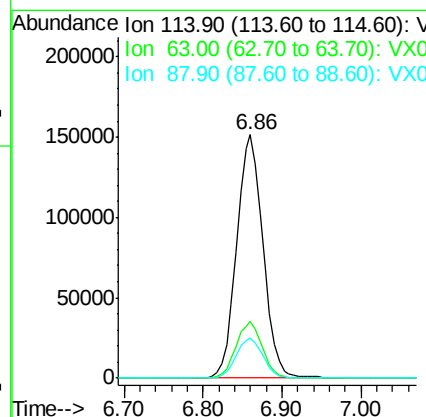
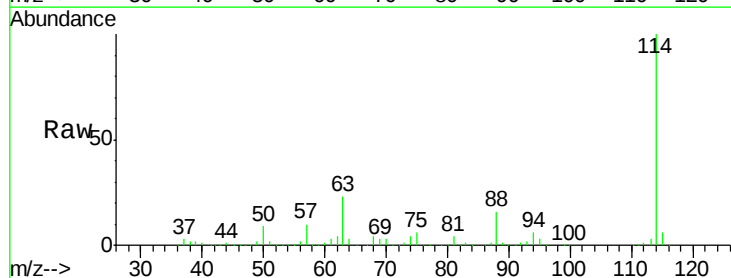
Instrument :
 MSVOA_X
 ClientSampled :
 HW-10

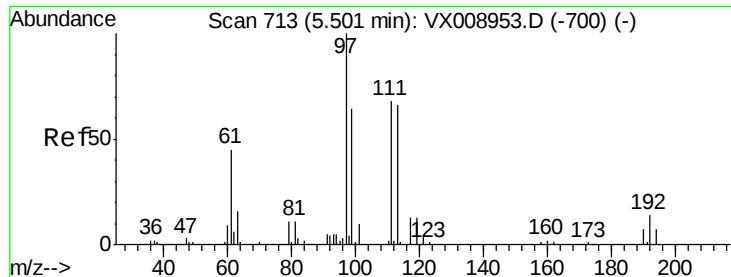
Tot Ion: 65 Resp: 144989
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009162.D
 Acq: 25 Apr 2019 15:09

Tgt Ion: 114 Resp: 351344
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 46.0
 88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.164 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009162.D

Acq: 25 Apr 2019 15:09

Instrument :

MSVOA_X

ClientSampleId :

HW-10

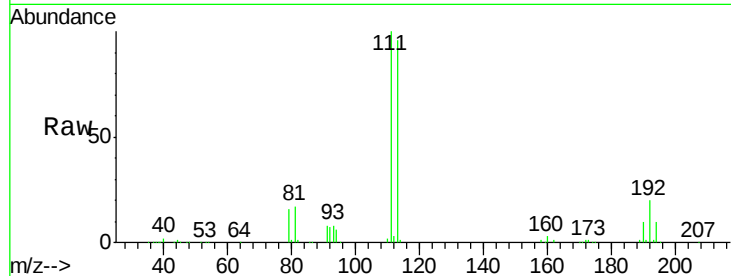
Tot Ion:113 Resp: 106348

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

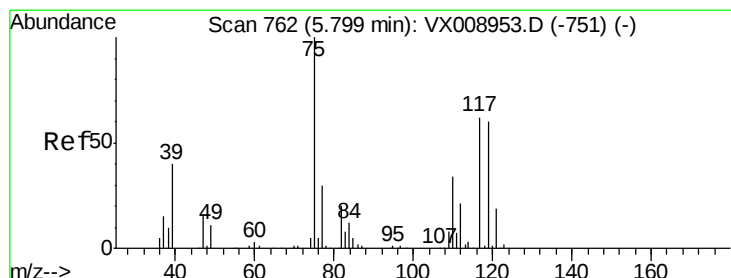
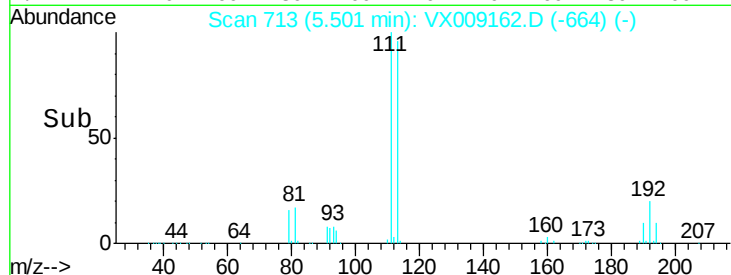
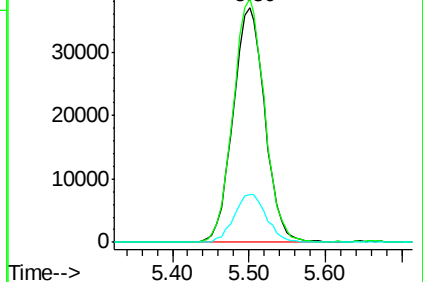
192 20.9 17.4 26.0



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: 4.769 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009162.D

Acq: 25 Apr 2019 15:09

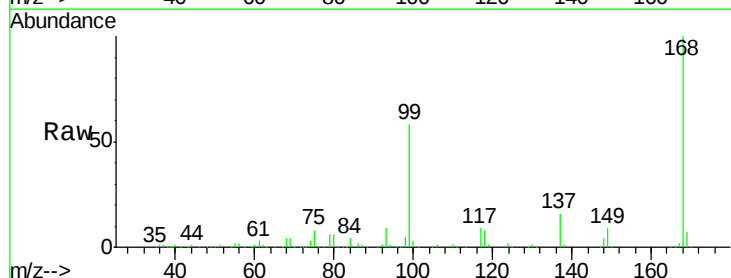
Tgt Ion: 75 Resp: 17328

Ion Ratio Lower Upper

75 100

110 8.6 16.9 50.7#

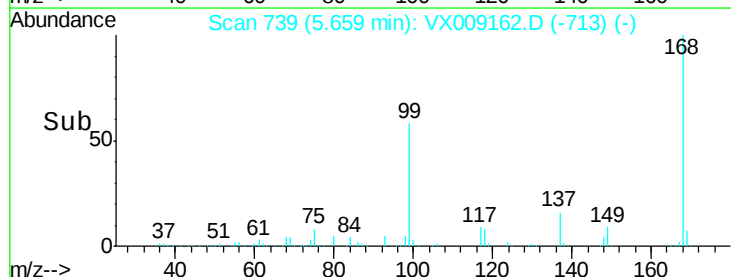
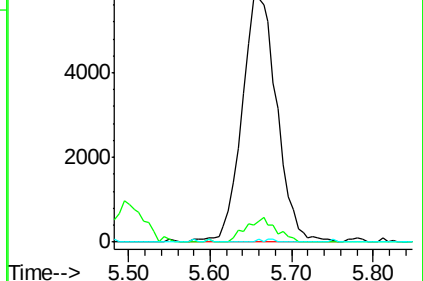
77 0.4 25.0 37.4#

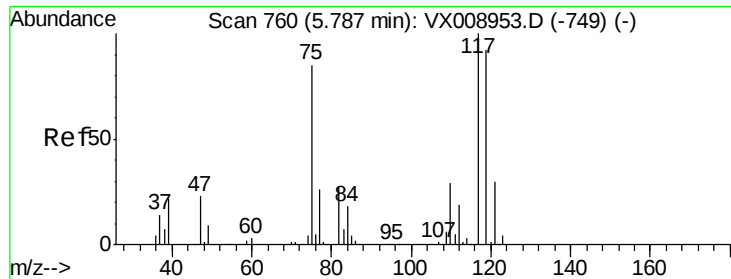


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

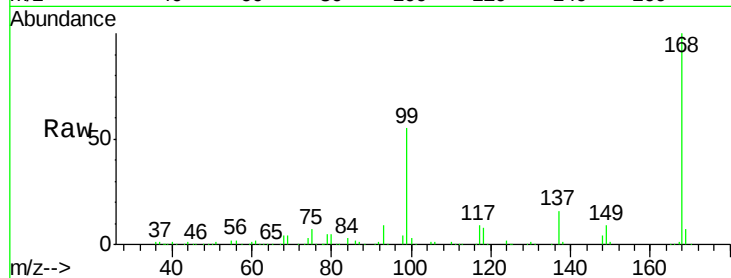




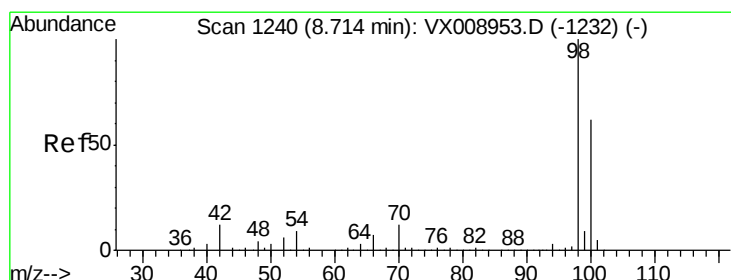
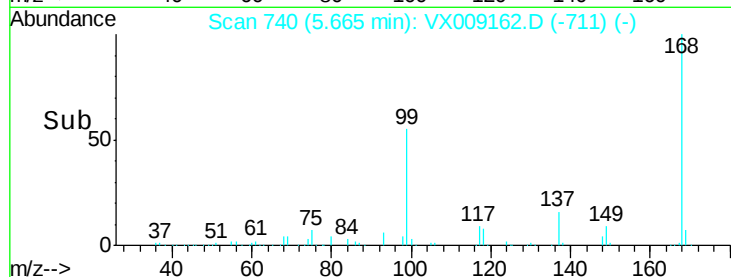
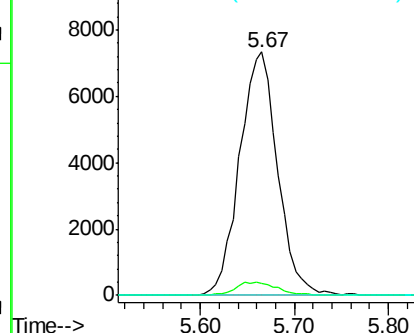
#38
Carbon Tetrachloride
Concen: 6.689 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009162.D
Acq: 25 Apr 2019 15:09

Instrument :
MSVOA_X
ClientSampleId :
HW-10

Tot Ion:117 Resp: 20607
Ion Ratio Lower Upper
117 100
119 5.0 73.8 110.8#
121 0.0 23.6 35.4#

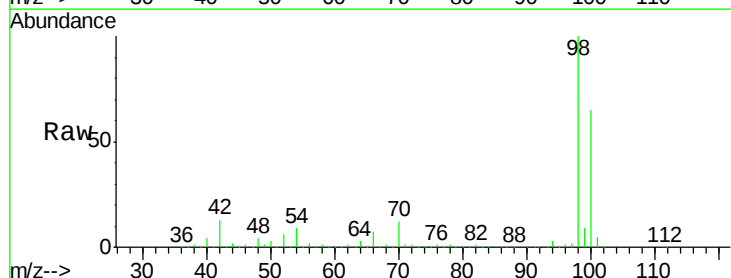


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

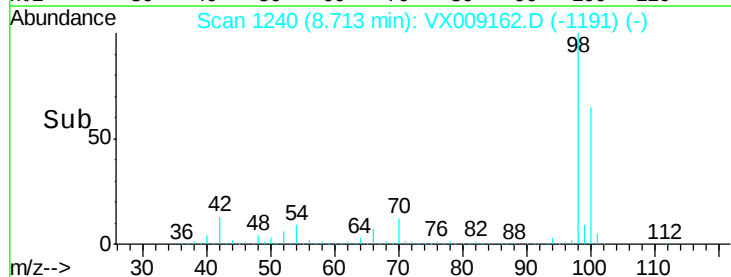
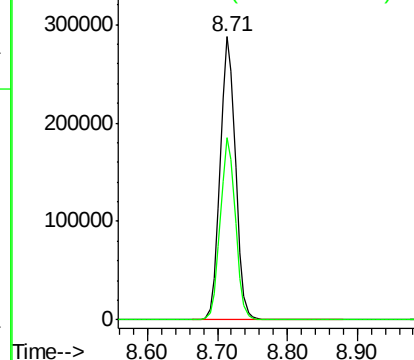


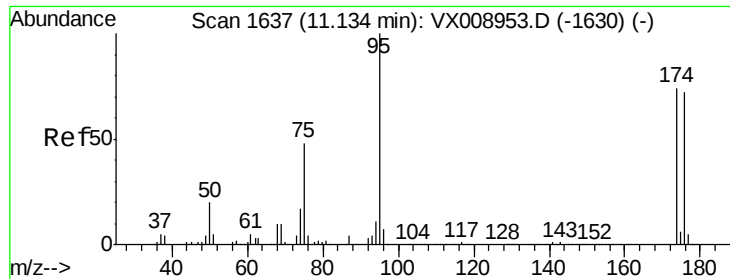
#50
Toluene-d8
Concen: 48.762 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009162.D
Acq: 25 Apr 2019 15:09

Tgt Ion: 98 Resp: 438488
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.519 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009162.D

Acq: 25 Apr 2019 15:09

Instrument :

MSVOA_X

ClientSampleId :

HW-10

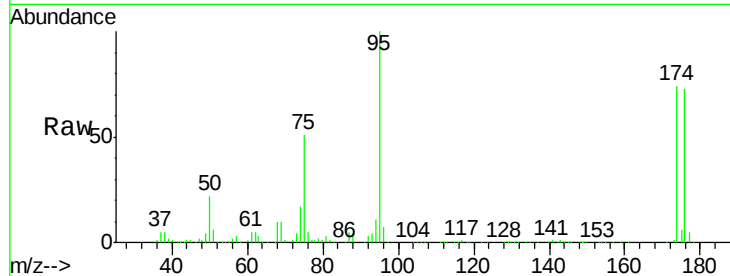
Tot Ion: 95 Resp: 144494

Ion Ratio Lower Upper

95 100

174 80.1 0.0 159.6

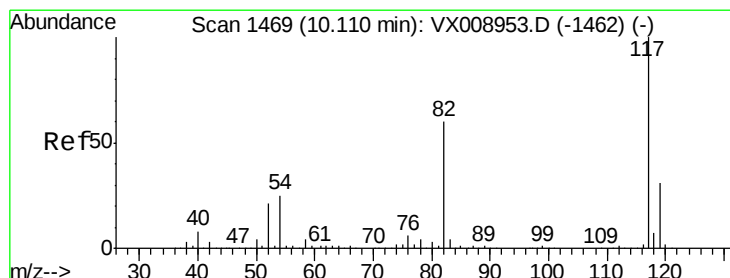
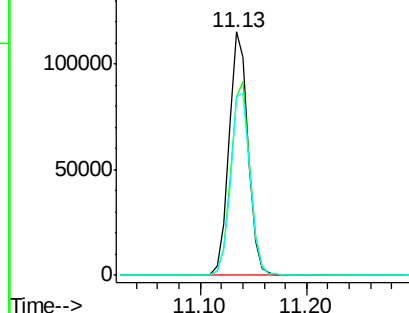
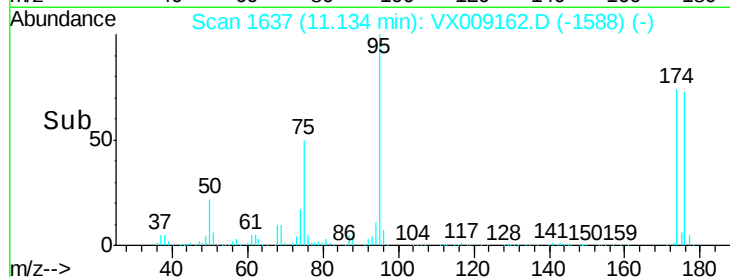
176 76.6 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX009162.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009162.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009162.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009162.D

Acq: 25 Apr 2019 15:09

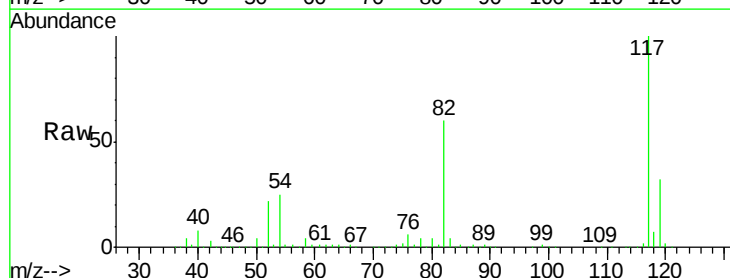
Tgt Ion: 117 Resp: 304249

Ion Ratio Lower Upper

117 100

82 60.3 48.2 72.4

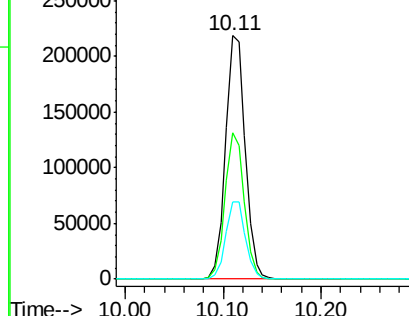
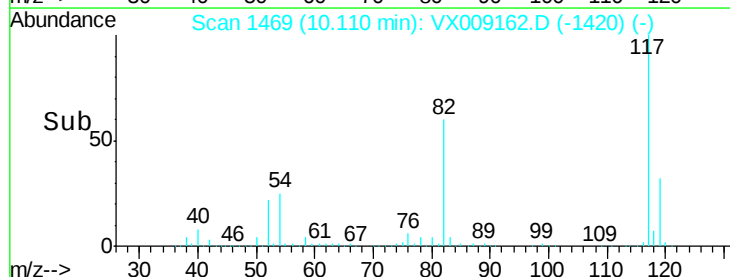
119 31.6 25.0 37.6

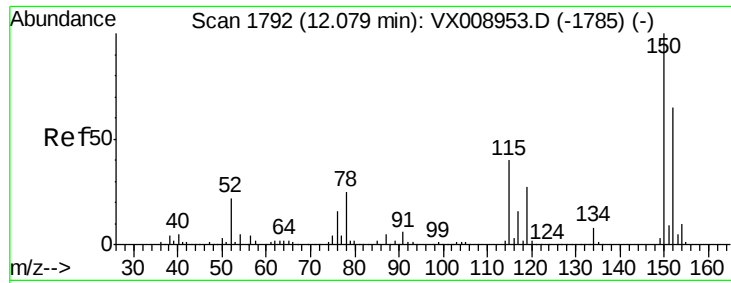


Abundance Ion 116.90 (116.60 to 117.60): VX009162.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009162.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009162.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009162.D

Acq: 25 Apr 2019 15:09

Instrument :

MSVOA_X

ClientSampled :

HW-10

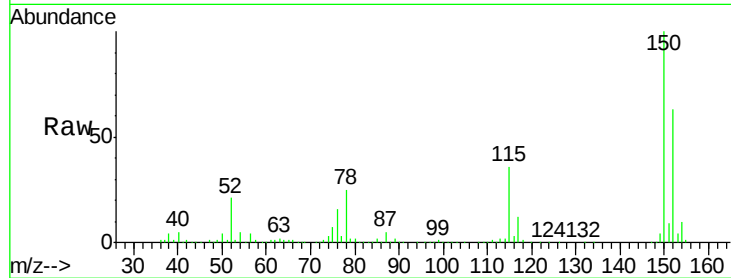
Tot Ion:152 Resp: 126546

Ion Ratio Lower Upper

152 100

115 59.0 41.4 124.2

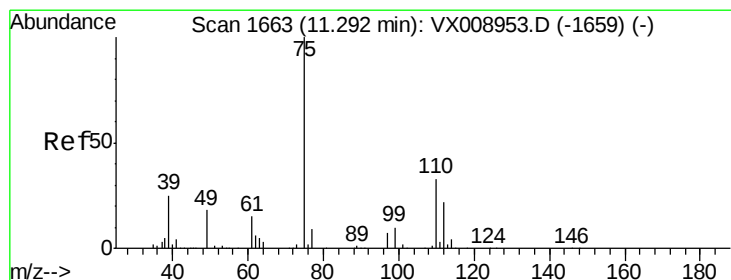
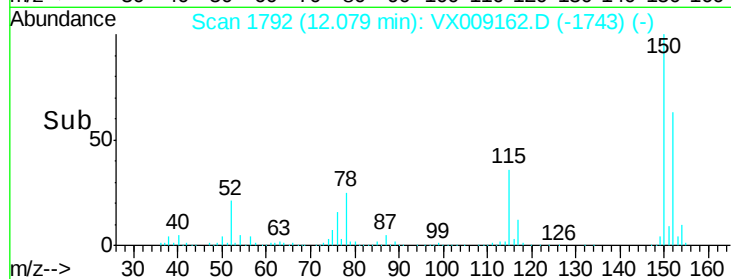
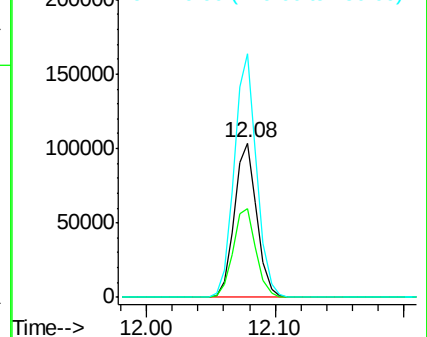
150 157.3 0.0 349.8



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: 23.736 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009162.D

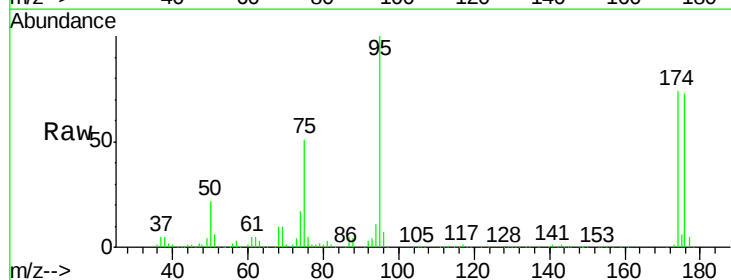
Acq: 25 Apr 2019 15:09

Tgt Ion: 75 Resp: 73343

Ion Ratio Lower Upper

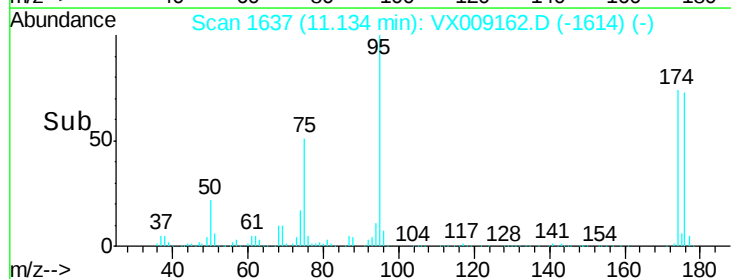
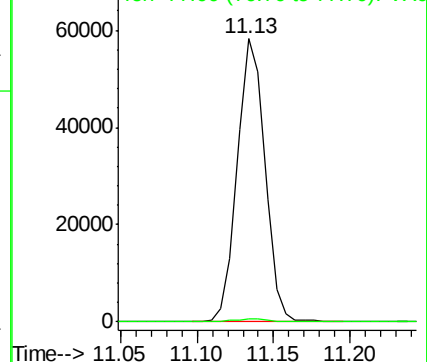
75 100

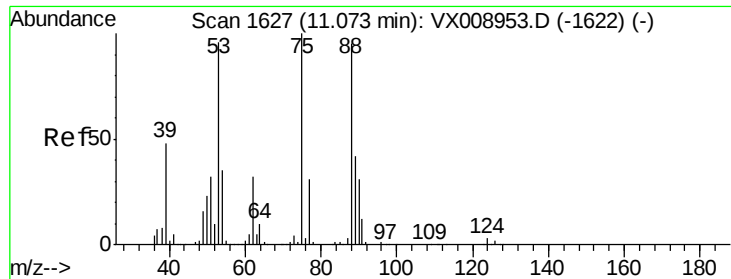
77 1.2 22.7 68.0#



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: 60.936 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009162.D

Acq: 25 Apr 2019 15:09

Instrument :

MSVOA_X

ClientSampleId :

HW-10

Tot Ion: 75 Resp: 73343

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#

