

Data File : VX008817.D
Acq On : 10 Apr 2019 19:49
Operator : JC/SP
Sample : K2349-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY062MW140-190409

Quant Time: Apr 11 05:49:41 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	199310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	328228	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	289517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125660	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	135298	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
35) Dibromofluoromethane	5.49	113	99242	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
50) Toluene-d8	8.71	98	413986	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.13	95	140189	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	

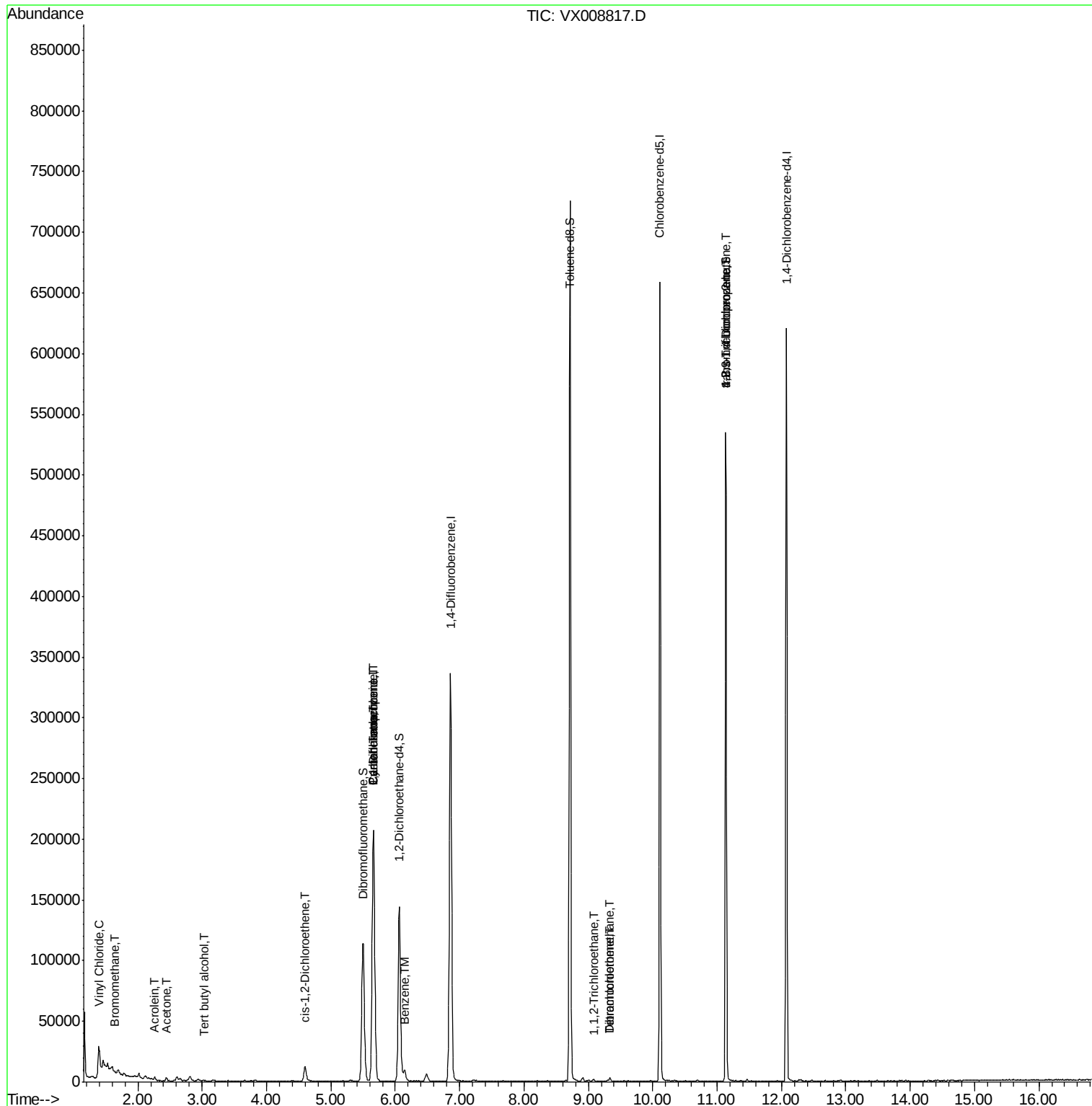
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	244	Below Cal		99
4) Vinyl Chloride	1.40	62	6417	2.069 ug/l #		70
5) Bromomethane	1.64	94	112	1.956 ug/l #		47
11) Tert butyl alcohol	3.03	59	638	0.937 ug/l #		72
13) Acrolein	2.26	56	109	0.323 ug/l #		1
16) Acetone	2.44	43	2871	1.715 ug/l		98
17) Carbon Disulfide	2.57	76	883	Below Cal #		64
27) cis-1,2-Dichloroethene	4.59	96	7145	2.493 ug/l		89
28) Bromochloromethane	4.98	49	20	Below Cal #		22
31) Cyclohexane	5.66	56	4622	0.920 ug/l #		1
36) 1,1-Dichloropropene	5.66	75	16016	4.464 ug/l #		51
38) Carbon Tetrachloride	5.67	117	19142	6.446 ug/l #		17
40) Benzene	6.15	78	9722	0.910 ug/l		98
55) 1,1,2-Trichloroethane	9.08	97	878	0.347 ug/l #		13
60) Dibromochloromethane	9.33	129	492	0.206 ug/l #		11
64) Tetrachloroethene	9.34	164	551	0.257 ug/l		95
76) 1,2,3-Trichloropropane	11.13	75	71275	20.647 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.13	75	71275	56.916 ug/l #		9

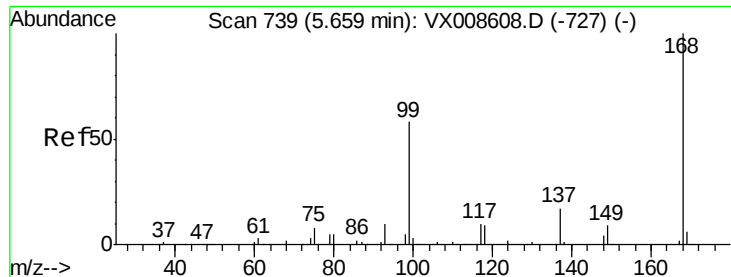
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX008817.D
Acq On : 10 Apr 2019 19:49
Operator : JC/SP
Sample : K2349-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY062MW140-190409

Quant Time: Apr 11 05:49:41 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008817.D

Acq: 10 Apr 2019 19:49

Instrument :

MSVOA_X

ClientSampleId :

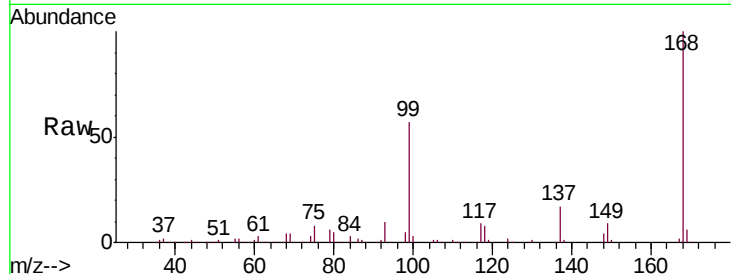
KY062MW140-190409

Tgt Ion:168 Resp: 199310

Ion Ratio Lower Upper

168 100

99 57.4 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

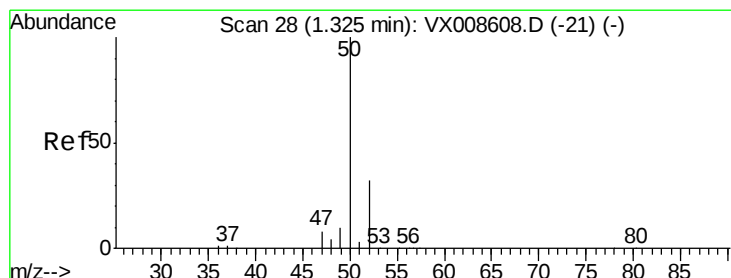
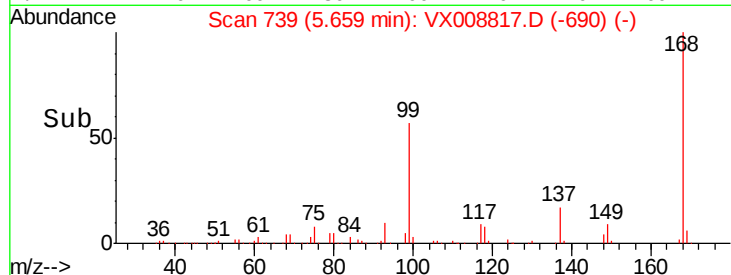
60000

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: VX008817.D

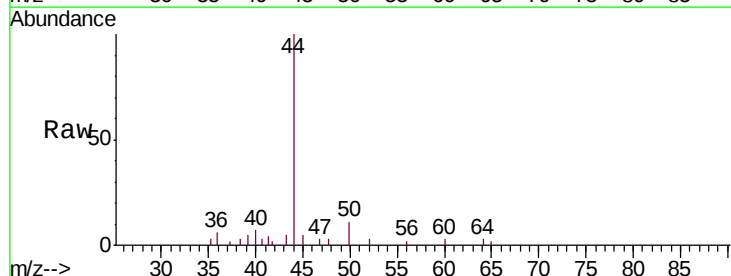
Acq: 10 Apr 2019 19:49

Tgt Ion: 50 Resp: 244

Ion Ratio Lower Upper

50 100

52 31.9 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

250

200

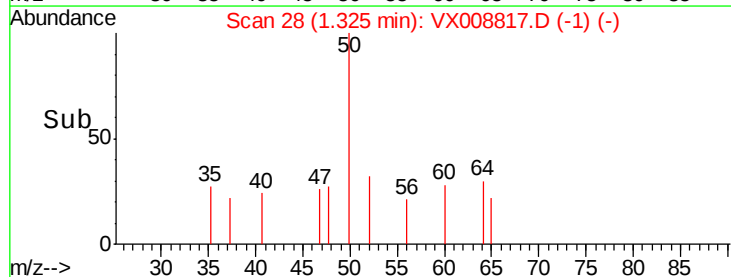
150

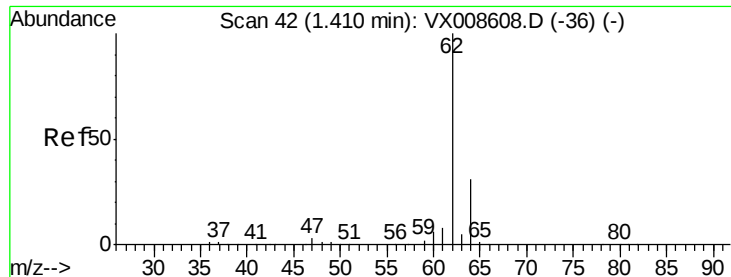
100

50

0

Time--> 1.30 1.32 1.34 1.36





#4

Vinyl Chloride

Concen: 2.069 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008817.D

Acq: 10 Apr 2019 19:49

Instrument :

MSVOA_X

ClientSampleId :

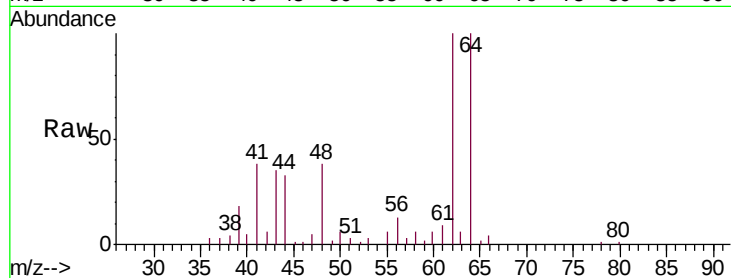
KY062MW140-190409

Tgt Ion: 62 Resp: 6417

Ion Ratio Lower Upper

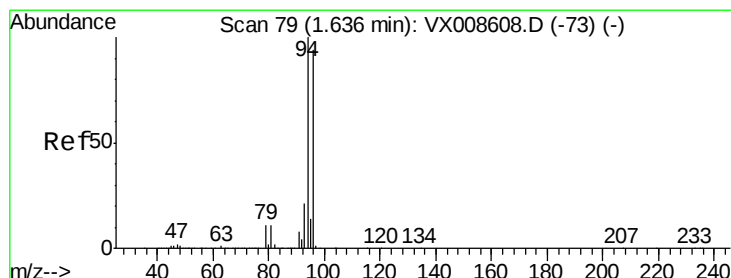
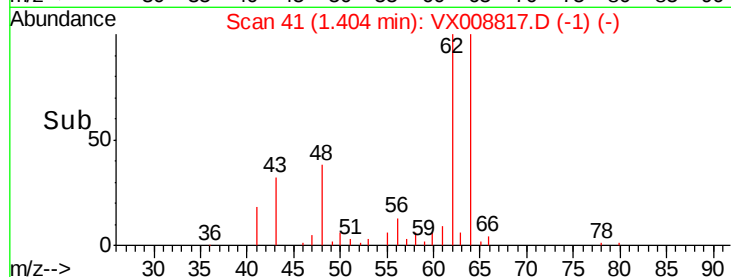
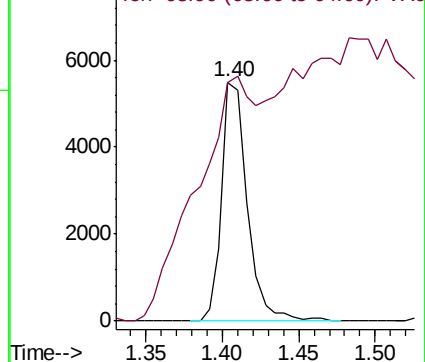
62 100

64 47.3 24.7 37.1#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 1.956 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008817.D

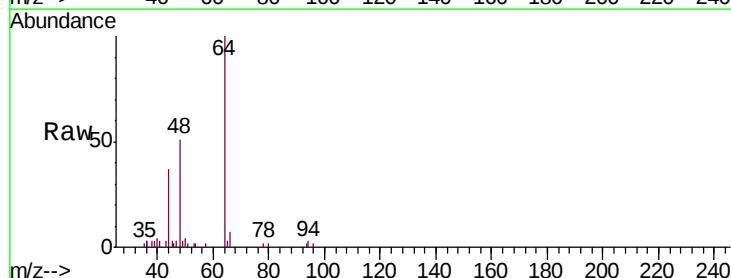
Acq: 10 Apr 2019 19:49

Tgt Ion: 94 Resp: 112

Ion Ratio Lower Upper

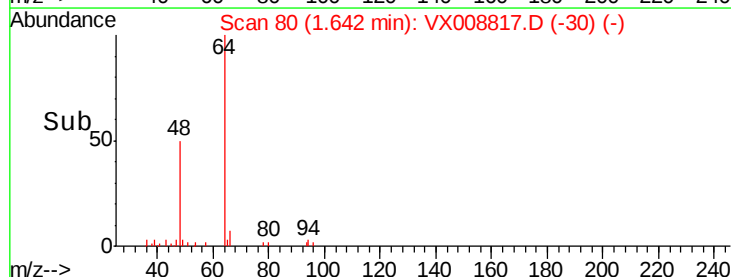
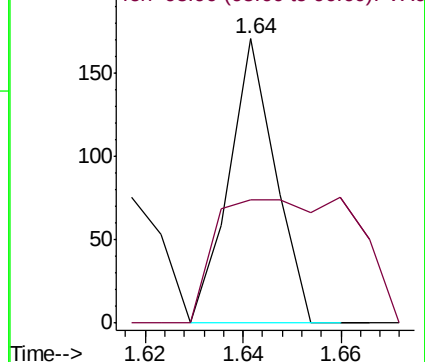
94 100

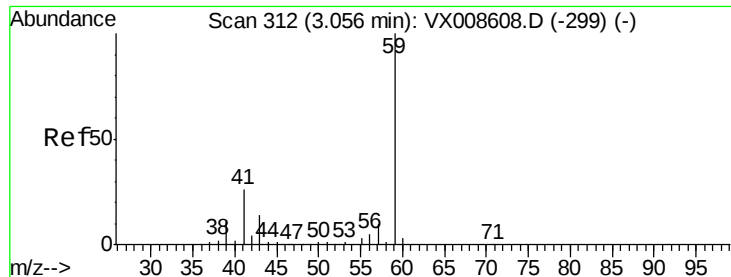
96 43.3 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

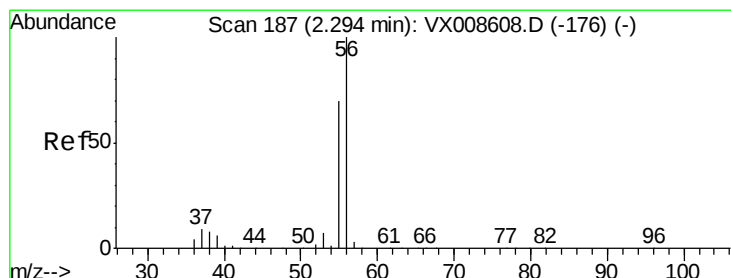
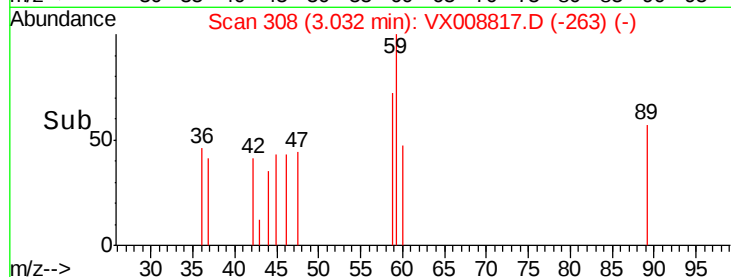
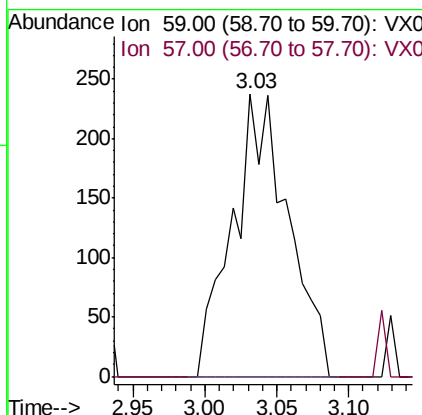
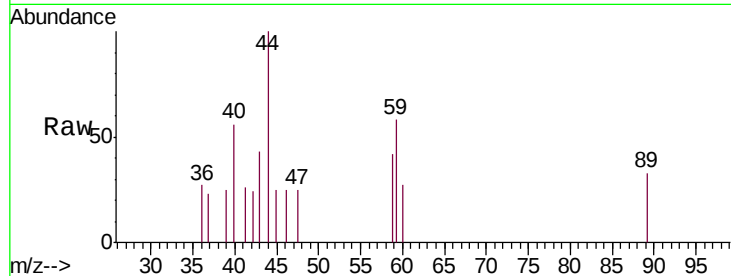




#11
Tert butyl alcohol
Concen: 0.937 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX008817.D
Acq: 10 Apr 2019 19:49

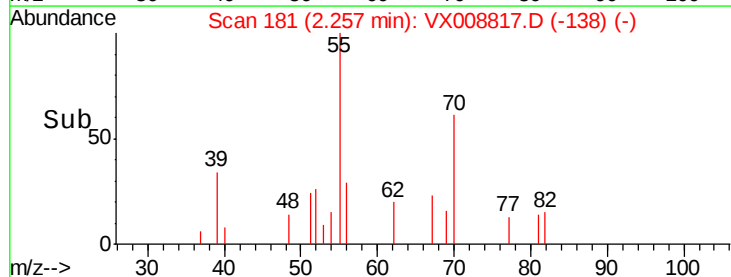
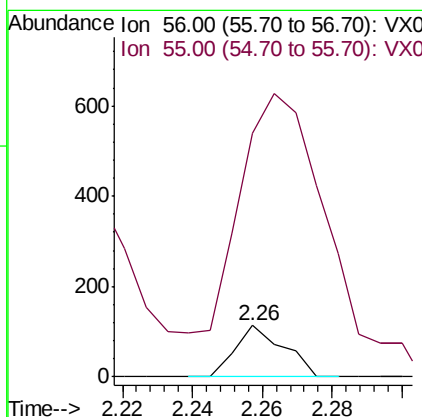
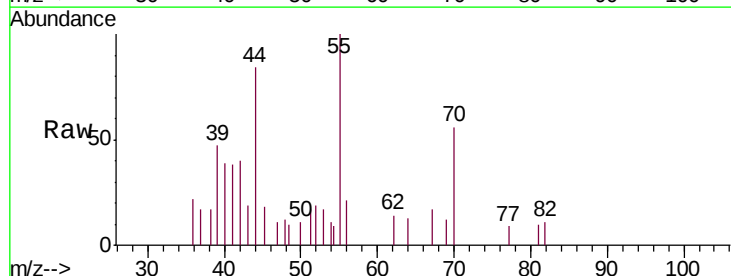
Instrument :
MSVOA_X
ClientSampleId :
KY062MW140-190409

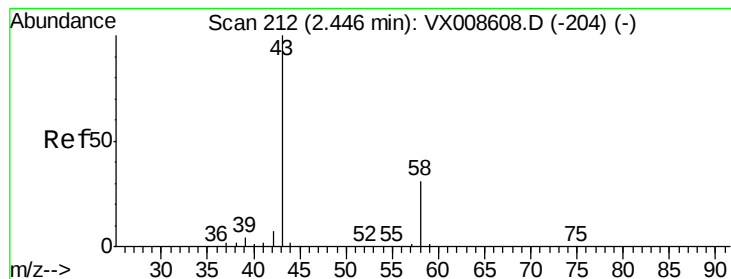
Tgt Ion: 59 Resp: 638
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.323 ug/l
RT: 2.26 min Scan# 181
Delta R.T. -0.04 min
Lab File: VX008817.D
Acq: 10 Apr 2019 19:49

Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 1045.0 58.0 87.0#





#16

Acetone

Concen: 1.715 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008817.D

Acq: 10 Apr 2019 19:49

Instrument :

MSVOA_X

ClientSampleId :

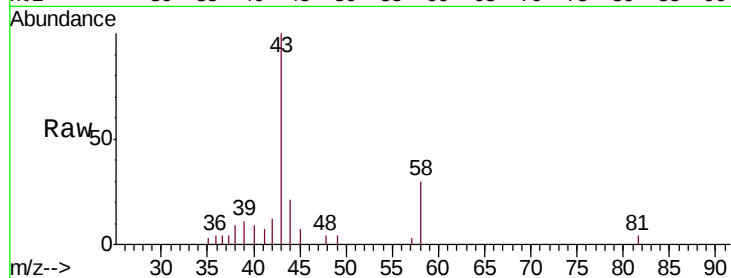
KY062MW140-190409

Tgt Ion: 43 Resp: 2871

Ion Ratio Lower Upper

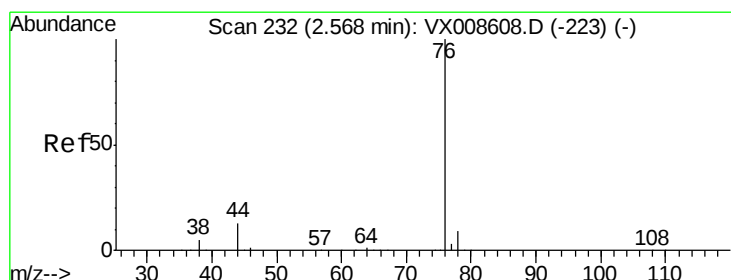
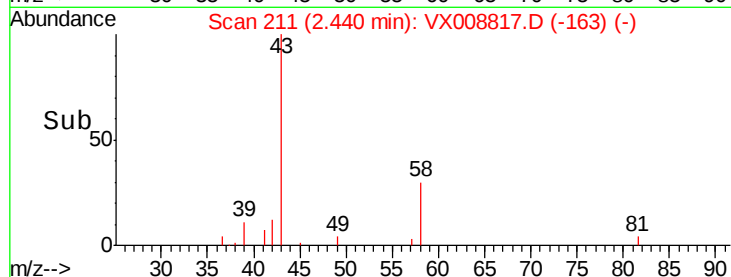
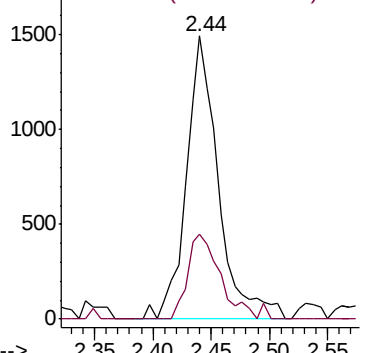
43 100

58 29.8 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# 232

Delta R.T. 0.00 min

Lab File: VX008817.D

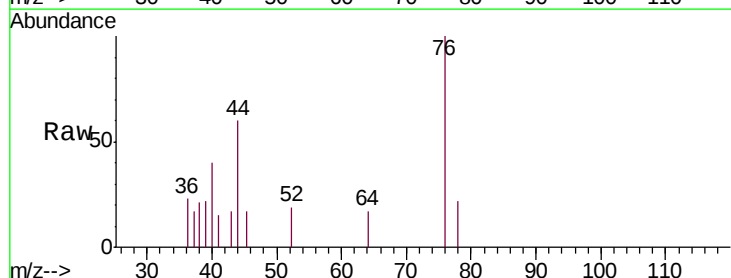
Acq: 10 Apr 2019 19:49

Tgt Ion: 76 Resp: 883

Ion Ratio Lower Upper

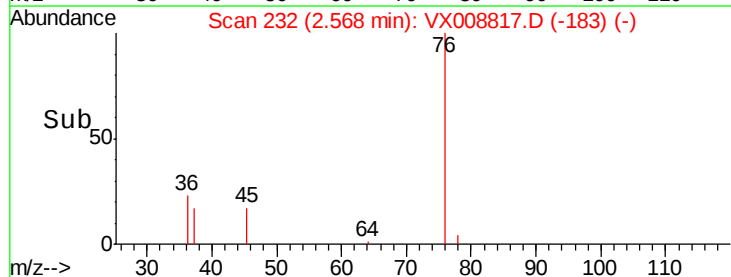
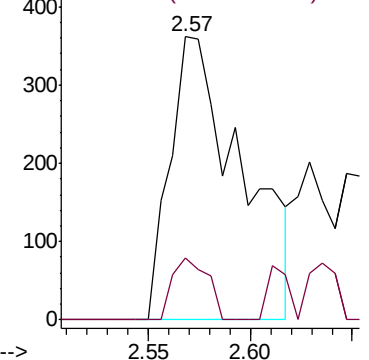
76 100

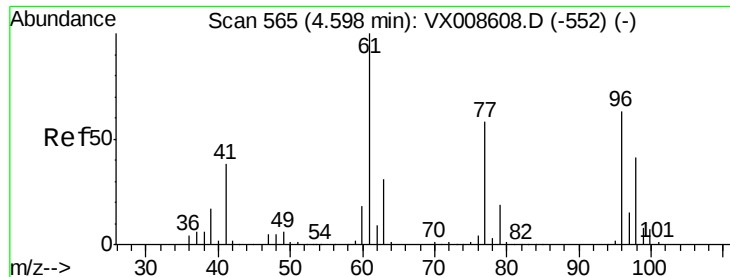
78 21.8 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



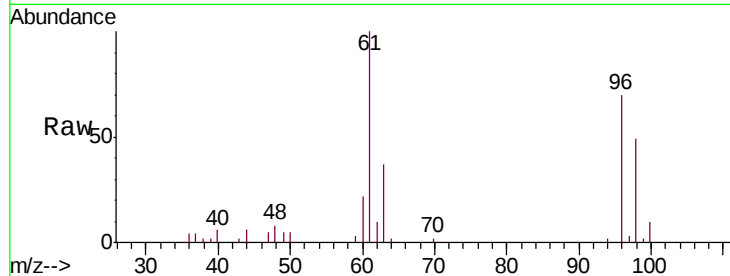


#27

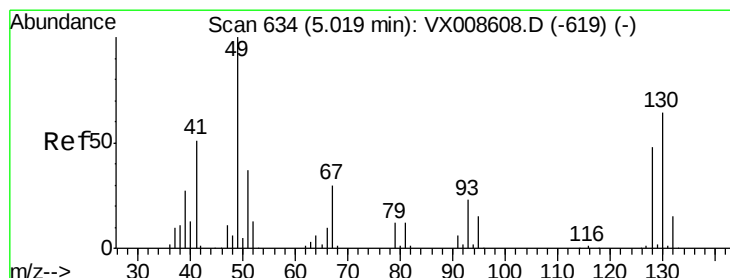
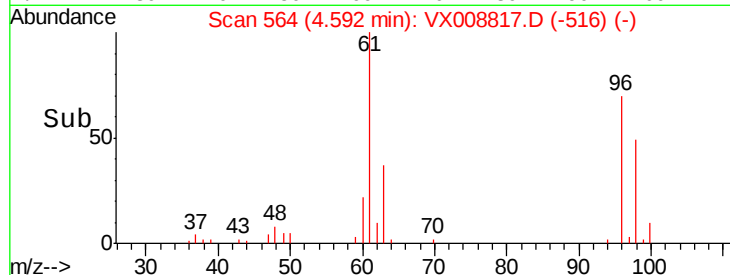
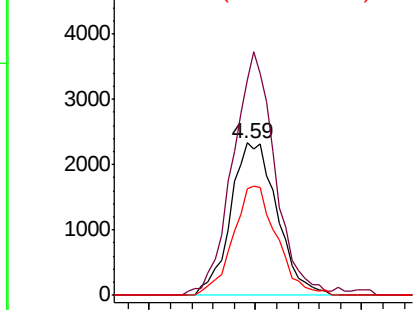
cis-1,2-Dichloroethene
 Concen: 2.493 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008817.D
 Acq: 10 Apr 2019 19:49

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW140-190409

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	327.6
98	67.3	0.0	128.6



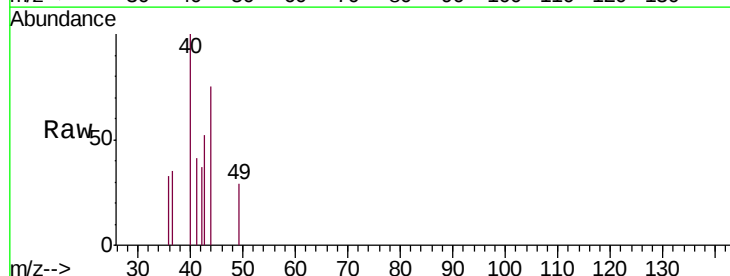
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



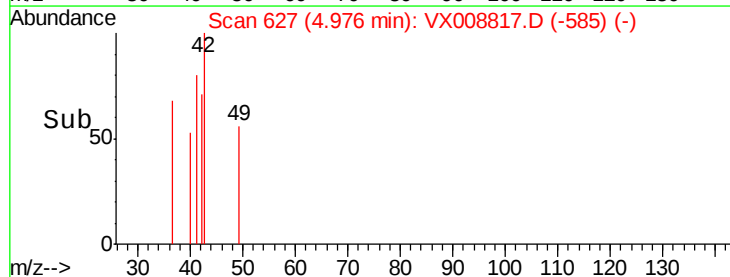
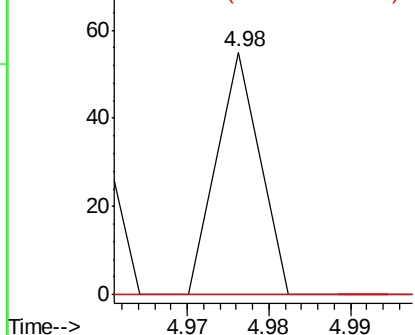
#28

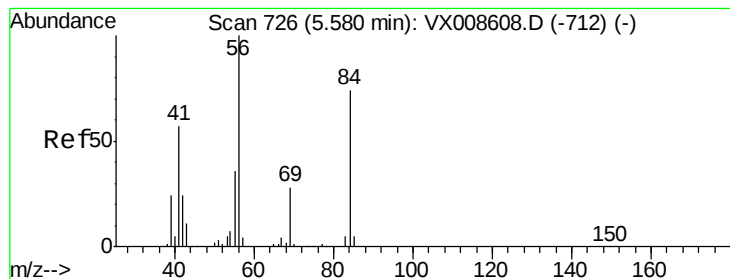
Bromochloromethane
 Concen: Below Cal
 RT: 4.98 min Scan# 627
 Delta R.T. -0.04 min
 Lab File: VX008817.D
 Acq: 10 Apr 2019 19:49

Tgt 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: 0.920 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008817.D

Acq: 10 Apr 2019 19:49

Instrument :

MSVOA_X

ClientSampleId :

KY062MW140-190409

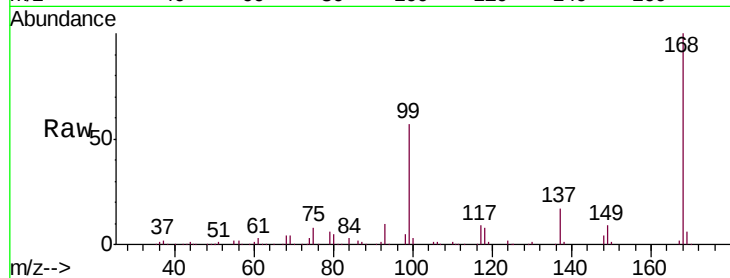
Tgt Ion: 56 Resp: 4622

Ion Ratio Lower Upper

56 100

69 178.2 22.6 33.8#

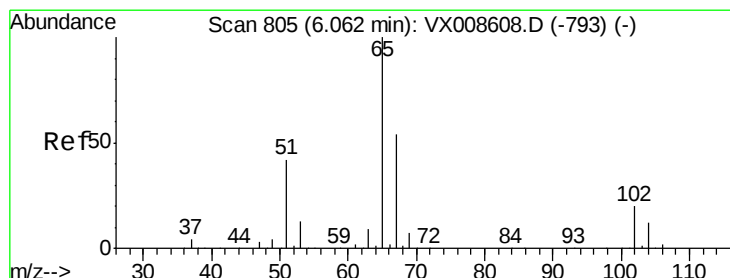
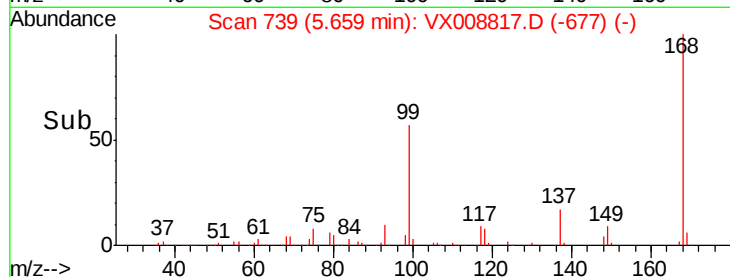
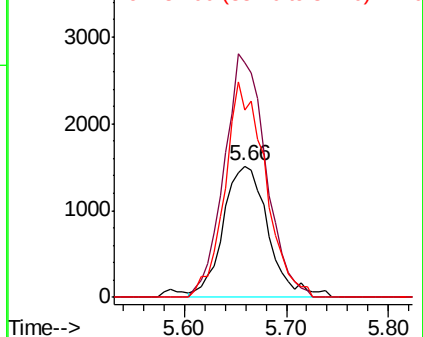
84 142.1 59.3 88.9#



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: 46.541 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008817.D

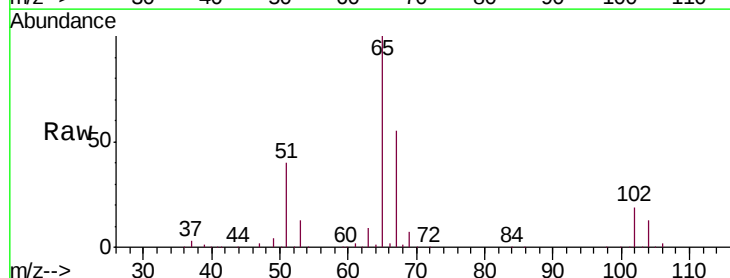
Acq: 10 Apr 2019 19:49

Tgt Ion: 65 Resp: 135298

Ion Ratio Lower Upper

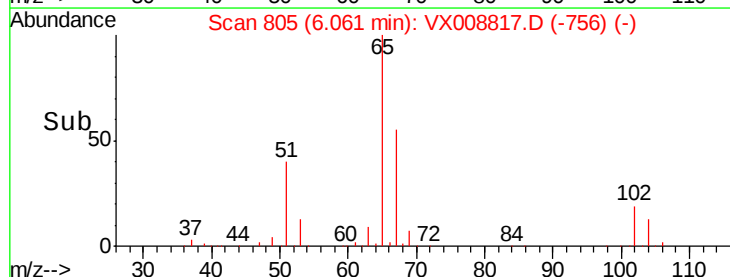
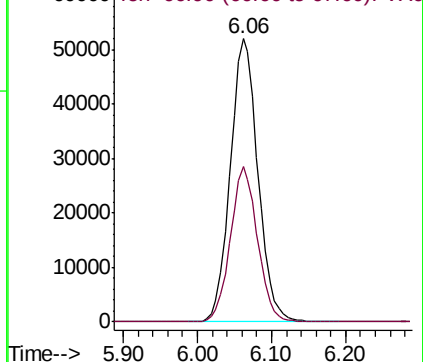
65 100

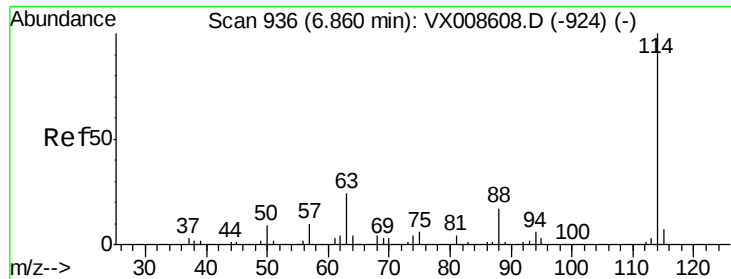
67 53.8 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

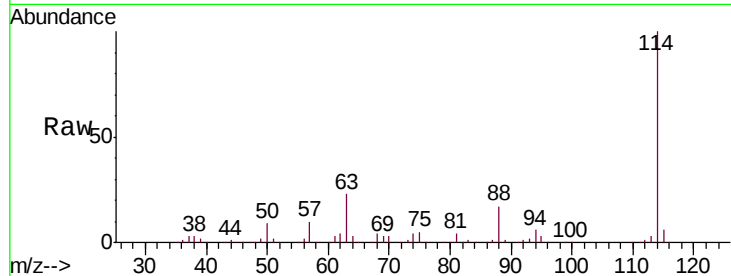




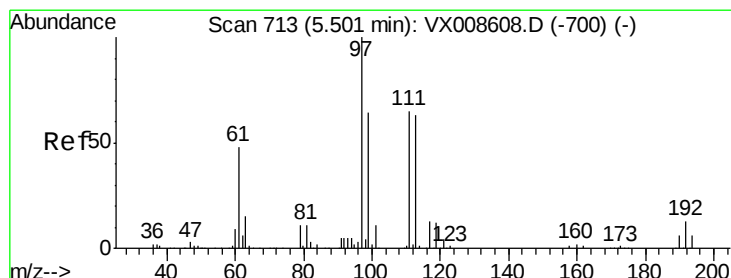
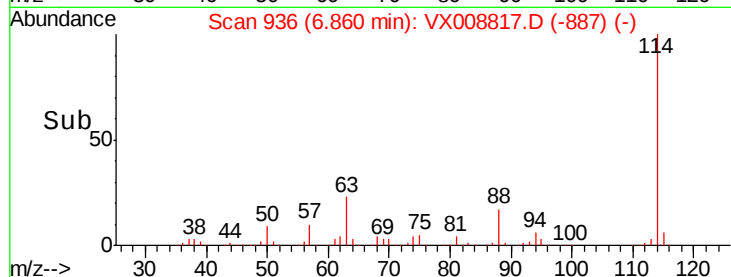
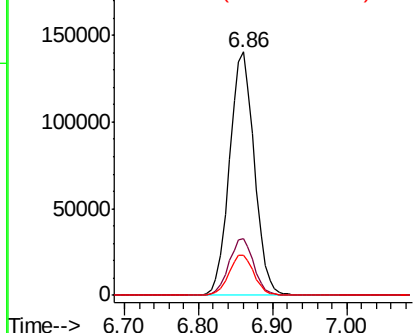
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008817.D
 Acq: 10 Apr 2019 19:49

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW140-190409

Tgt Ion:114 Resp: 328228
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 47.2
 88 16.5 0.0 34.0

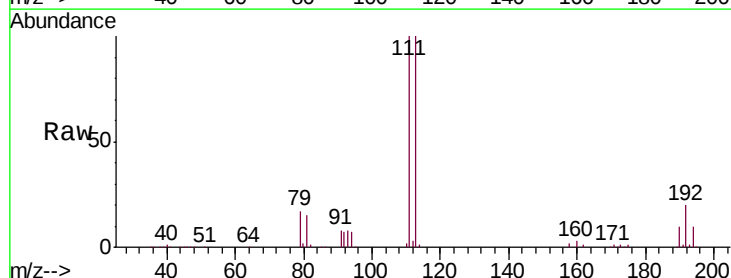


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

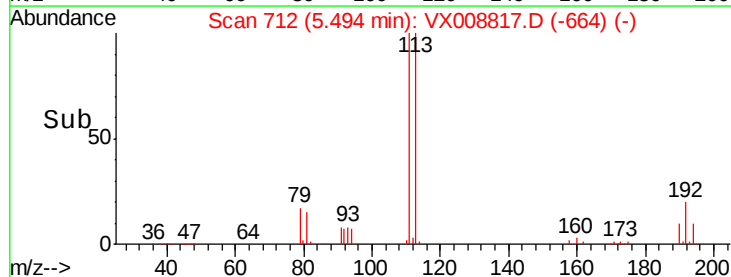
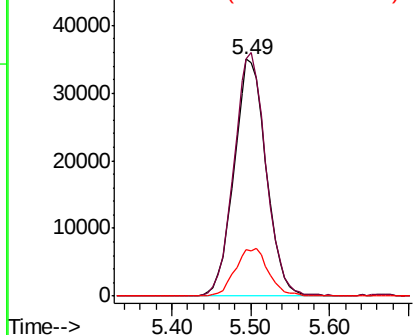


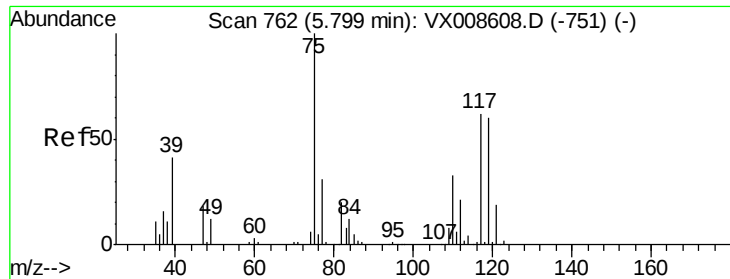
#35
 Dibromofluoromethane
 Concen: 47.290 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008817.D
 Acq: 10 Apr 2019 19:49

Tgt Ion:113 Resp: 99242
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.4 125.2
 192 20.7 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

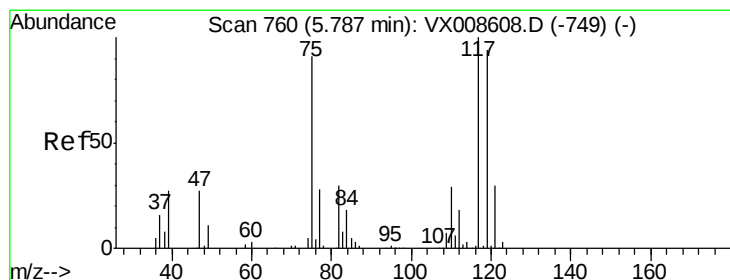
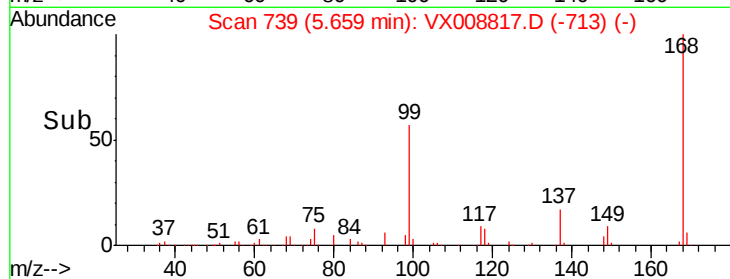
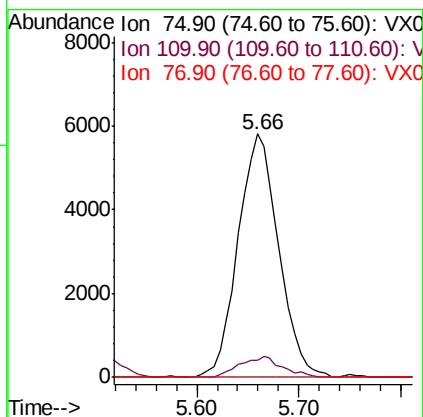
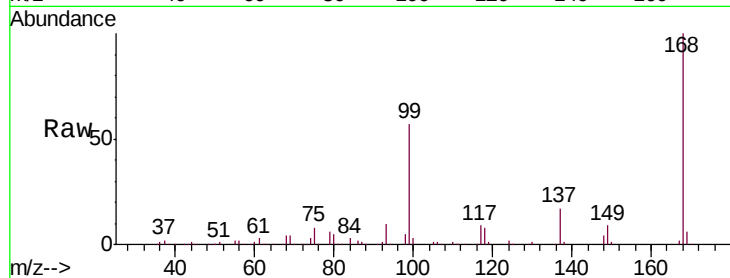




#36
 1,1-Dichloropropene
 Concen: 4.464 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008817.D
 Acq: 10 Apr 2019 19:49

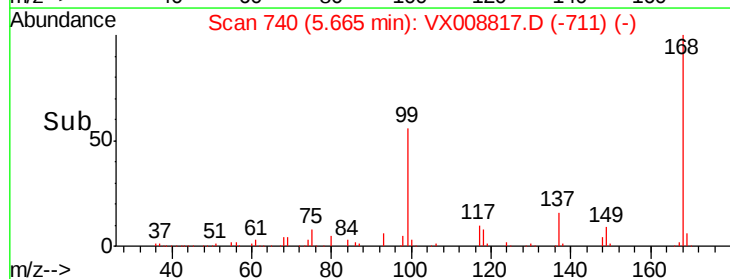
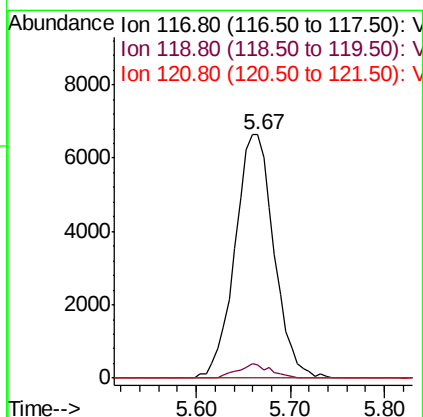
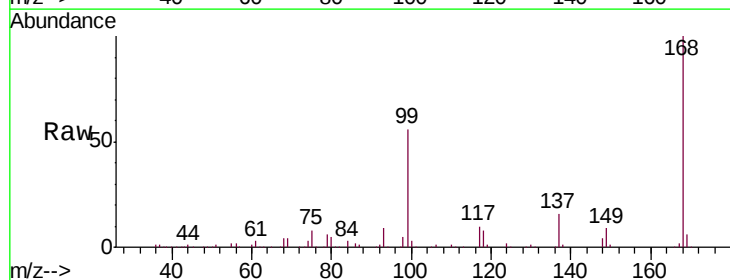
Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW140-190409

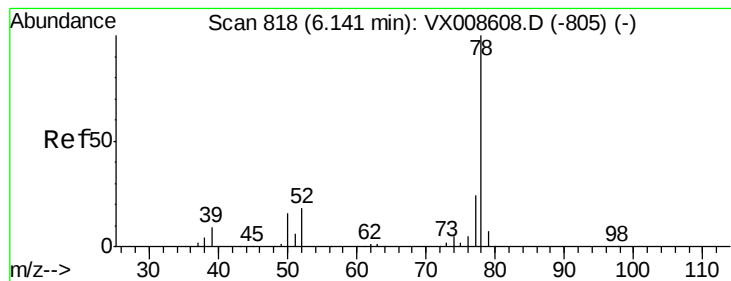
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.4	49.2#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.446 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008817.D
 Acq: 10 Apr 2019 19:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	75.0	112.6#
121	0.0	24.3	36.5#





#40

Benzene

Concen: 0.910 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX008817.D

Acq: 10 Apr 2019 19:49

Instrument :

MSVOA_X

ClientSampleId :

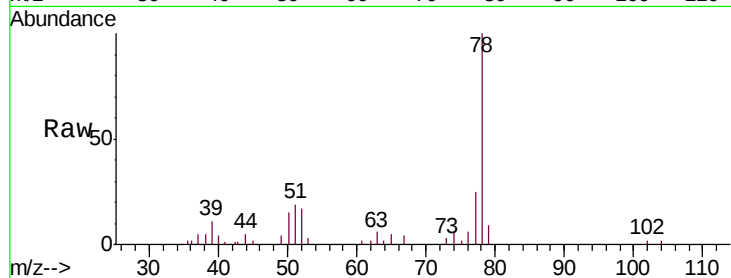
KY062MW140-190409

Tgt Ion: 78 Resp: 9722

Ion Ratio Lower Upper

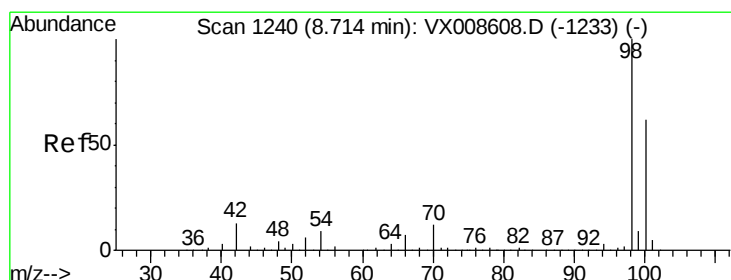
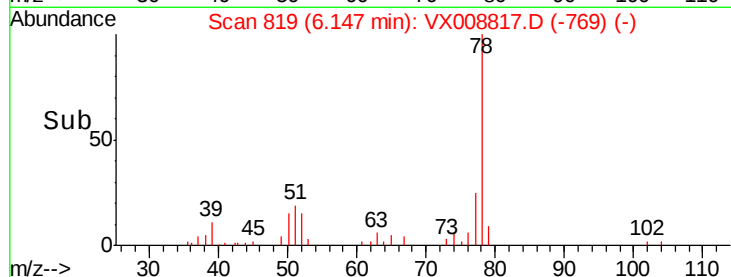
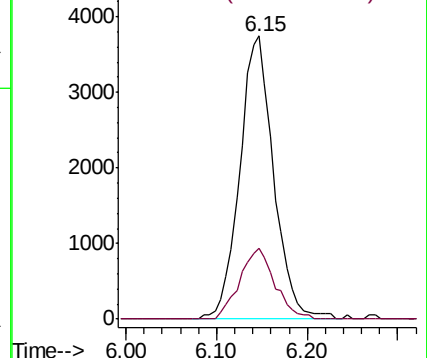
78 100

77 25.1 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 49.544 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008817.D

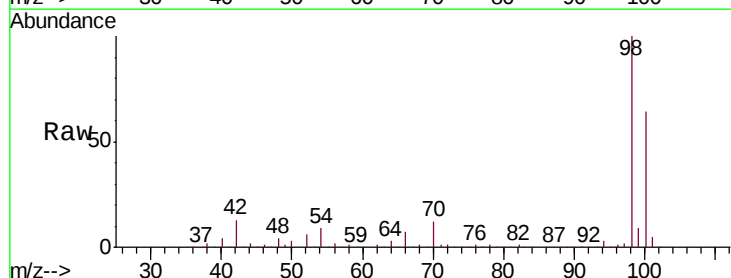
Acq: 10 Apr 2019 19:49

Tgt Ion: 98 Resp: 413986

Ion Ratio Lower Upper

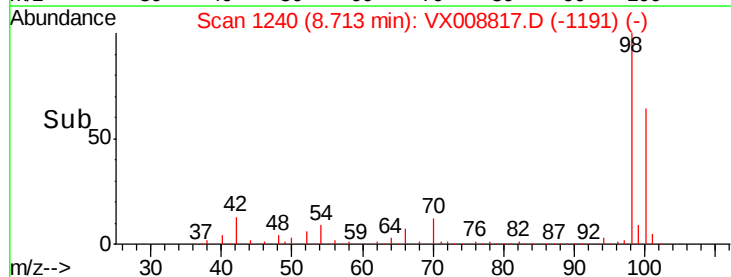
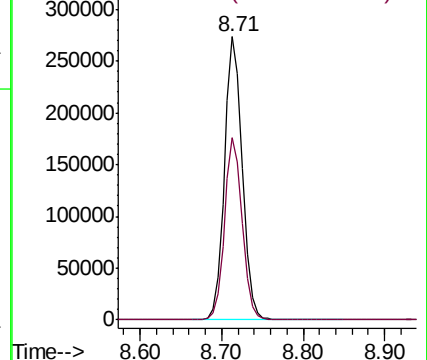
98 100

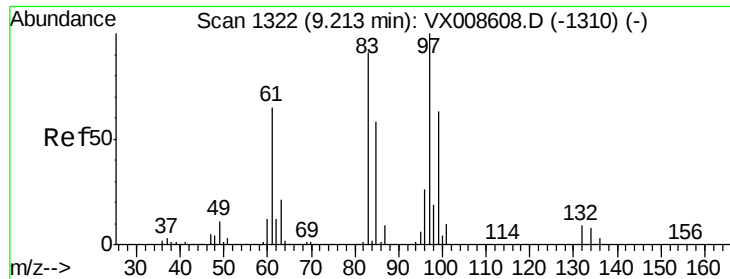
100 63.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

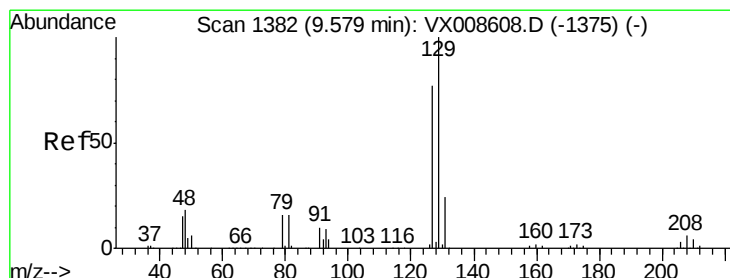
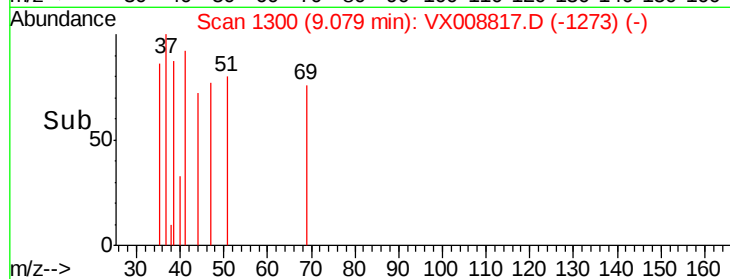
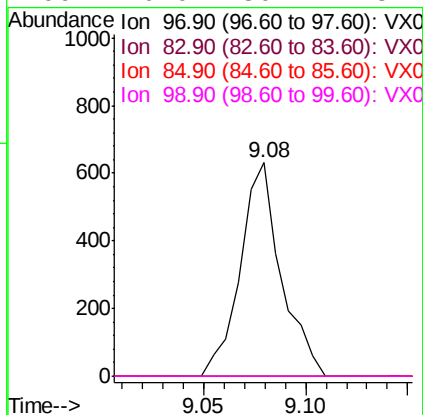
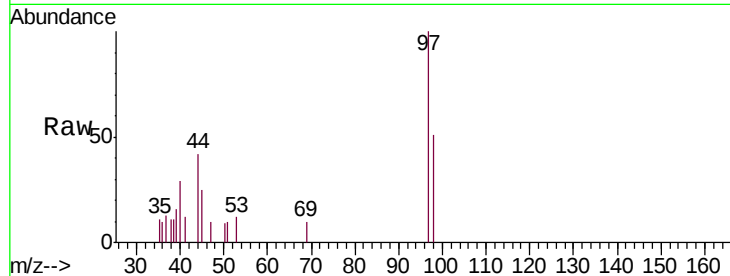




#55
 1,1,2-Trichloroethane
 Concen: 0.347 ug/l
 RT: 9.08 min Scan# 1300
 Delta R.T. -0.13 min
 Lab File: VX008817.D
 Acq: 10 Apr 2019 19:49

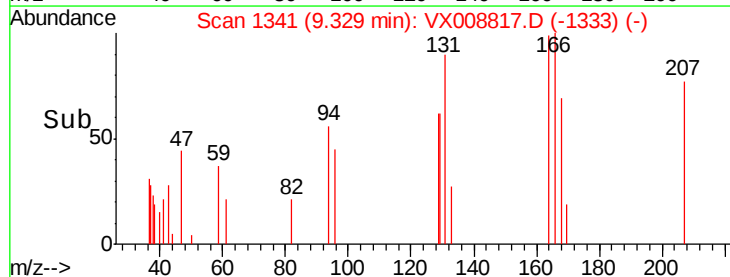
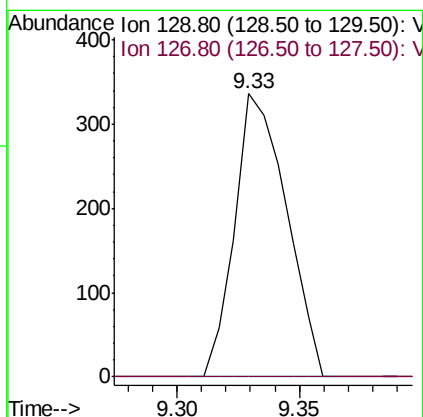
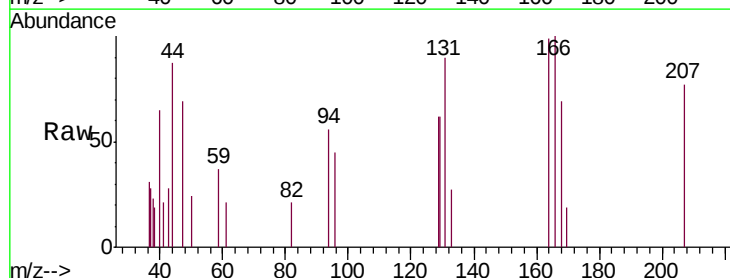
Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW140-190409

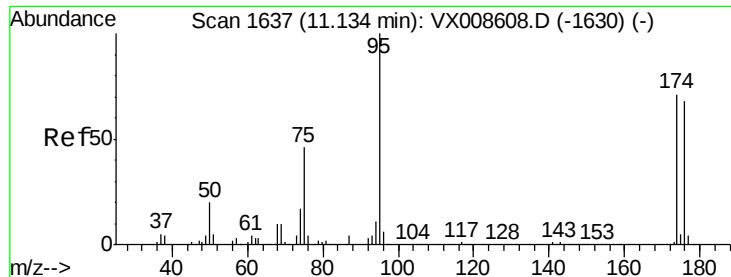
Tgt Ion: 97 Resp: 878
 Ion Ratio Lower Upper
 97 100
 83 0.0 73.2 109.8#
 85 0.0 46.6 69.8#
 99 0.0 50.1 75.1#



#60
 Dibromochloromethane
 Concen: 0.206 ug/l
 RT: 9.33 min Scan# 1341
 Delta R.T. -0.25 min
 Lab File: VX008817.D
 Acq: 10 Apr 2019 19:49

Tgt Ion: 129 Resp: 492
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.3#





#62

4-Bromofluorobenzene

Concen: 47.311 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008817.D

Acq: 10 Apr 2019 19:49

Instrument :

MSVOA_X

ClientSampleId :

KY062MW140-190409

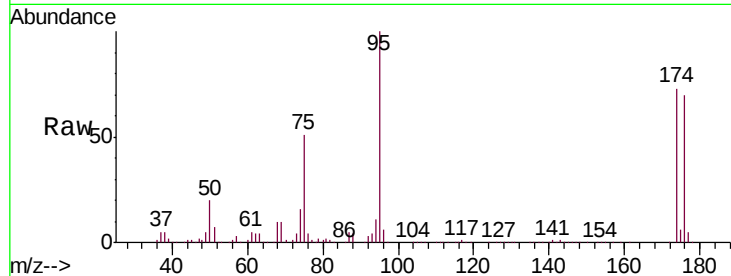
Tgt Ion: 95 Resp: 140189

Ion Ratio Lower Upper

95 100

174 78.7 0.0 151.8

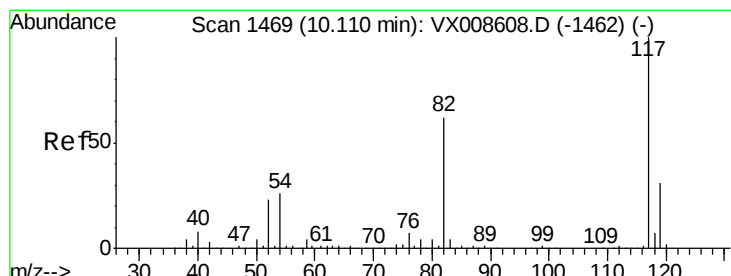
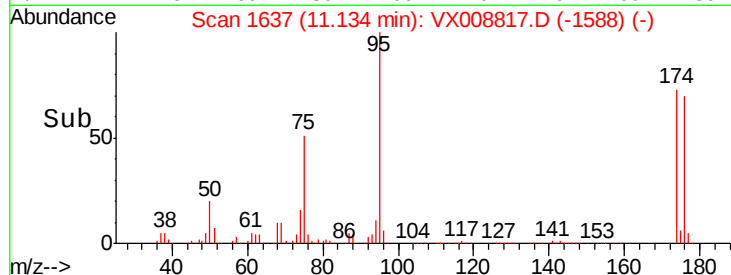
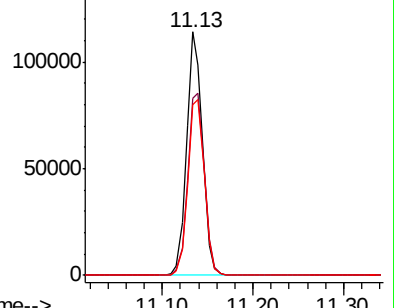
176 75.7 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008608.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008608.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008608.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008817.D

Acq: 10 Apr 2019 19:49

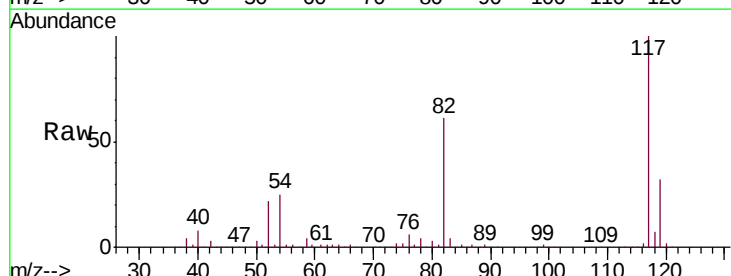
Tgt Ion: 117 Resp: 289517

Ion Ratio Lower Upper

117 100

82 61.1 49.6 74.4

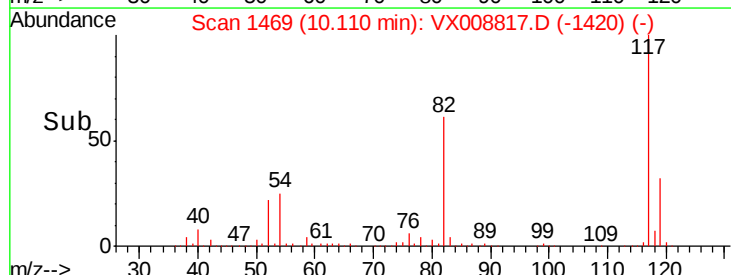
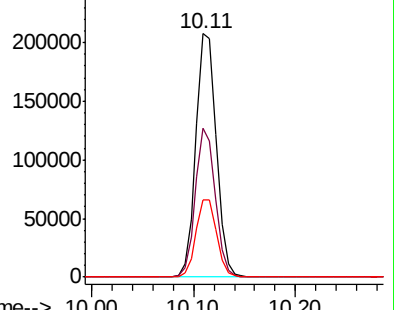
119 31.7 25.0 37.4

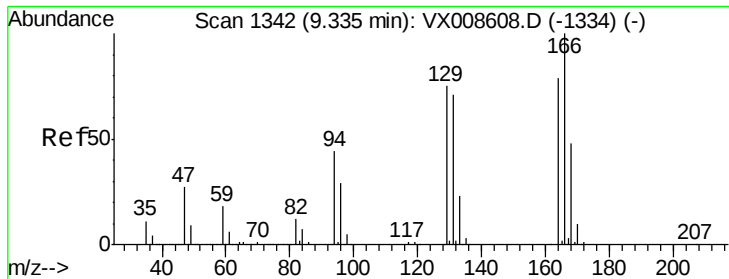


Abundance Ion 116.90 (116.60 to 117.60): VX008608.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008608.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008608.D (-1462) (-)





#64

Tetrachloroethene

Concen: 0.257 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008817.D

Acq: 10 Apr 2019 19:49

Instrument :

MSVOA_X

ClientSampleId :

KY062MW140-190409

Tgt Ion:164 Resp: 551

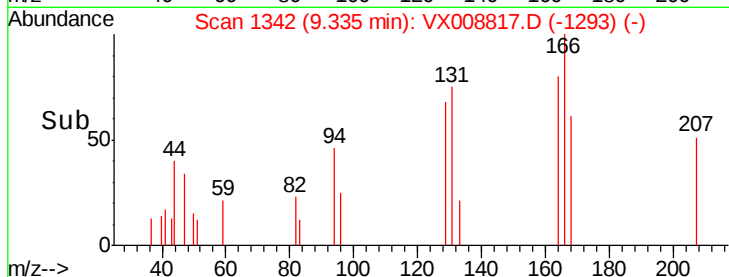
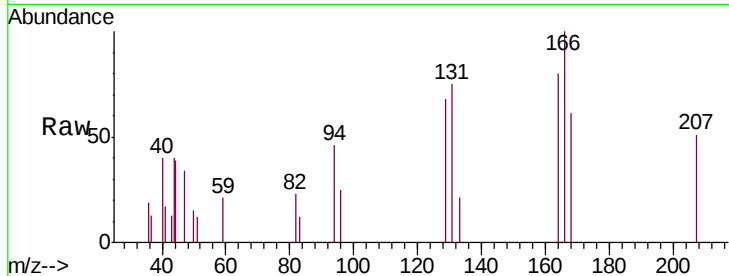
Ion Ratio Lower Upper

164 100

166 124.8 101.0 151.6

129 85.4 75.8 113.8

131 93.4 71.8 107.8

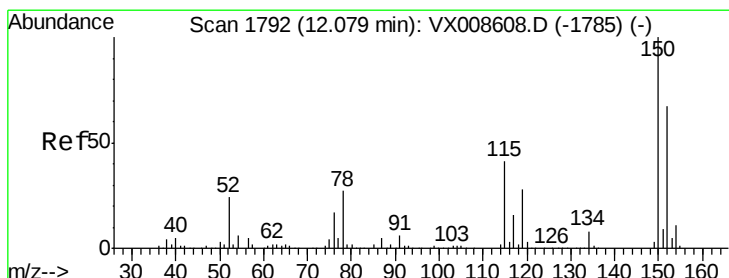
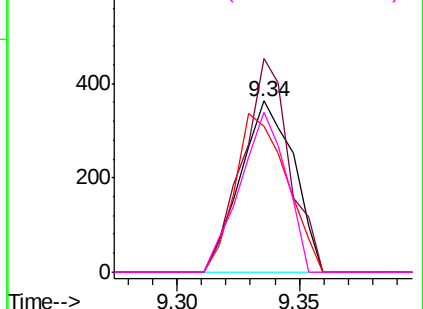


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX008817.D

Acq: 10 Apr 2019 19:49

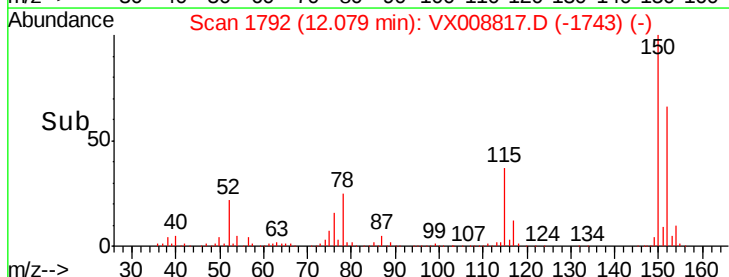
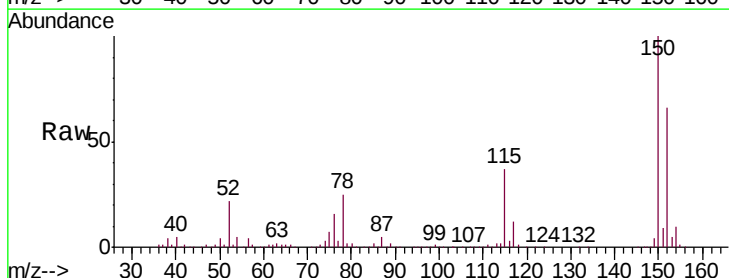
Tgt Ion:152 Resp: 125660

Ion Ratio Lower Upper

152 100

115 58.5 43.5 130.5

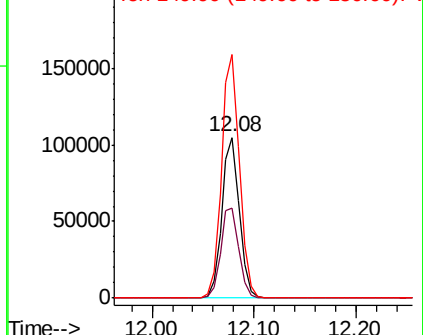
150 155.1 0.0 348.8

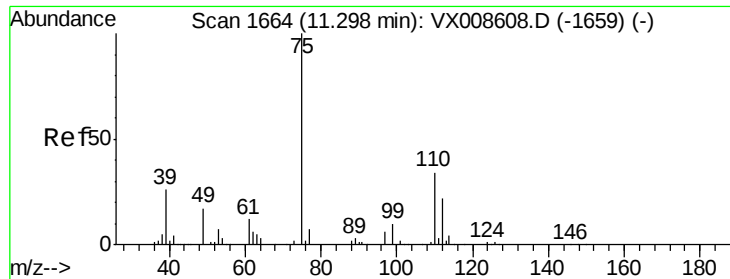


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

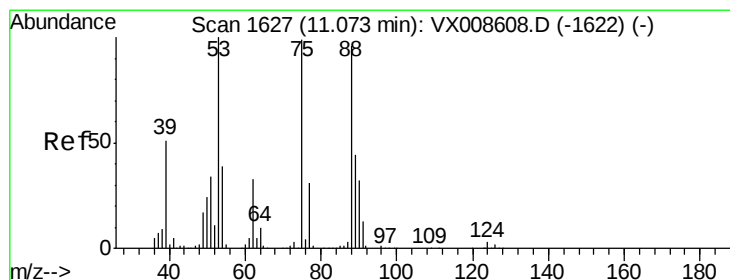
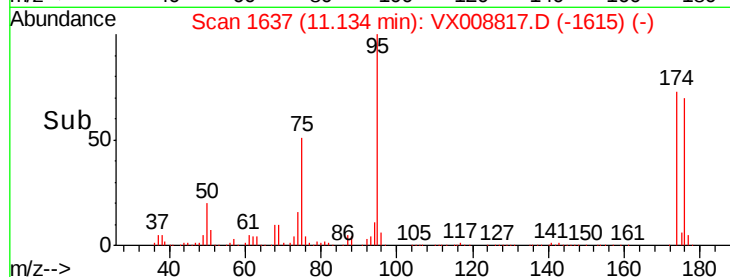
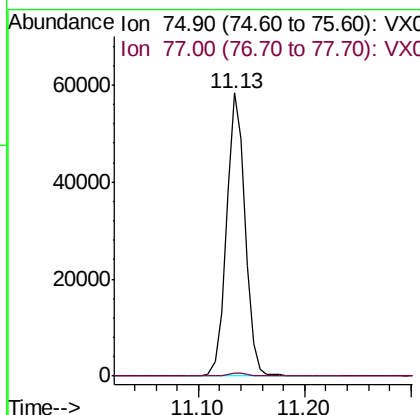
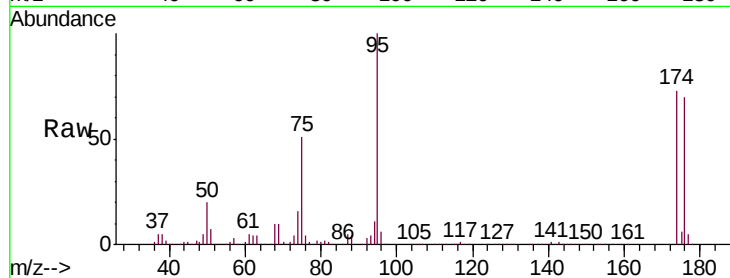




#76
 1,2,3-Trichloropropane
 Concen: 20.647 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008817.D
 Acq: 10 Apr 2019 19:49

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW140-190409

Tgt Ion: 75 Resp: 71275
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.916 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008817.D
 Acq: 10 Apr 2019 19:49

Tgt Ion: 75 Resp: 71275
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.3 121.9#
 89 0.0 35.6 53.4#

