

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX041119\
 Data File : VX008862.D
 Acq On : 11 Apr 2019 19:14
 Operator : JC/SP
 Sample : K2349-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW071-190409

Quant Time: Apr 12 07:38:13 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	5.67	168	193071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	309703	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	270466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116906	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	126256	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	
35) Dibromofluoromethane	5.50	113	92620	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
50) Toluene-d8	8.71	98	391620	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.13	95	132552	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	

Target Compounds

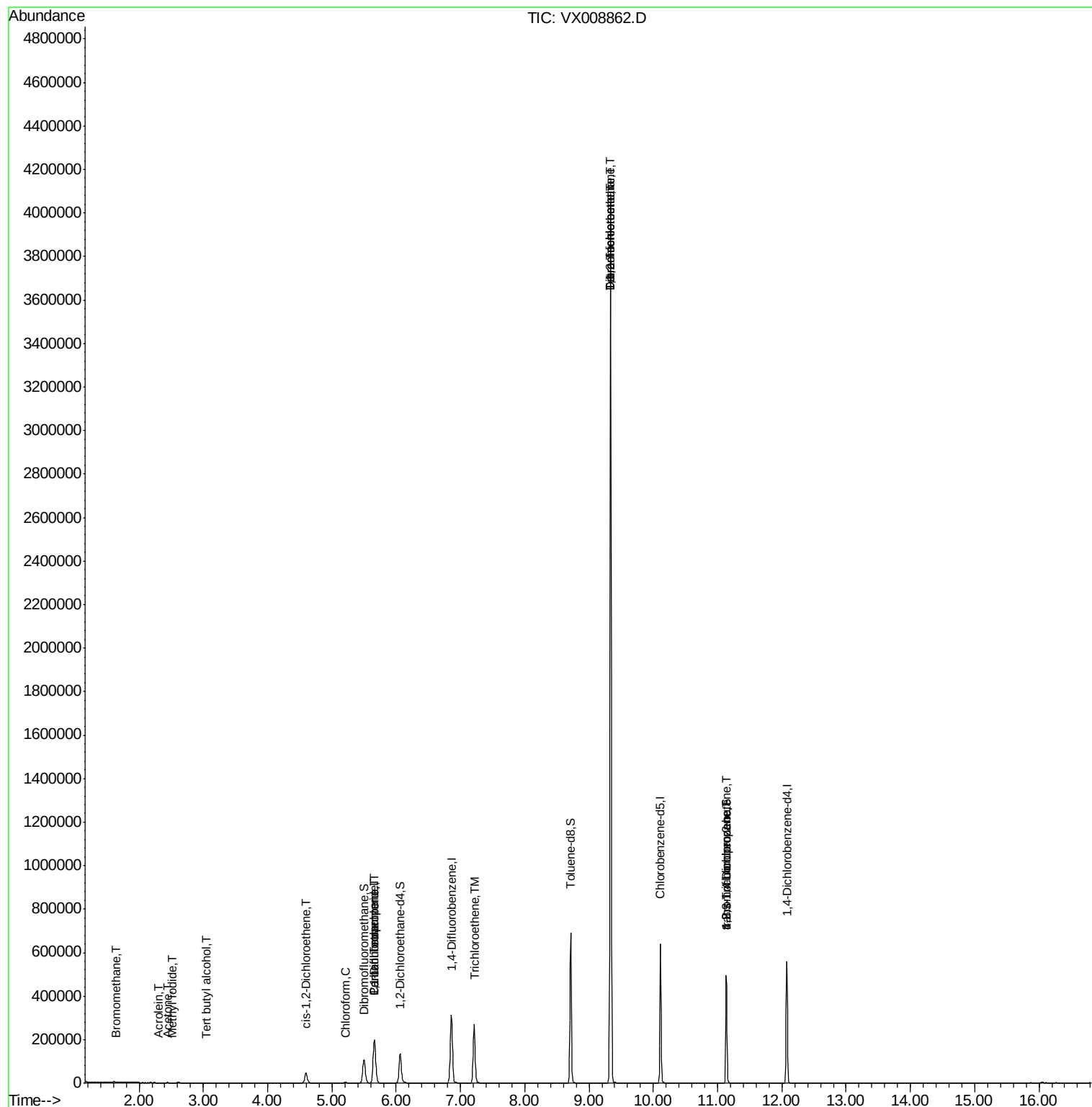
					Qvalue
3) Chloromethane	1.32	50	675	Below Cal	97
5) Bromomethane	1.65	94	310	2.087 ug/l	84
6) Chloroethane	1.73	64	75	Below Cal #	43
10) Methyl Iodide	2.51	142	248	4.120 ug/l #	69
11) Tert butyl alcohol	3.04	59	161	0.244 ug/l #	72
13) Acrolein	2.29	56	82	0.251 ug/l #	13
16) Acetone	2.45	43	1798	1.109 ug/l	93
17) Carbon Disulfide	2.57	76	888	Below Cal #	75
27) cis-1,2-Dichloroethene	4.59	96	29253	10.538 ug/l	91
28) Bromochloromethane	4.98	49	73	Below Cal #	22
30) Chloroform	5.22	83	2213	0.508 ug/l #	83
36) 1,1-Dichloropropene	5.66	75	15574	4.600 ug/l #	51
38) Carbon Tetrachloride	5.67	117	18255	6.515 ug/l #	16
44) Trichloroethene	7.21	130	100897	42.954 ug/l	98
55) 1,1,2-Trichloroethane	9.34	97	6354	2.662 ug/l #	1
60) Dibromochloromethane	9.34	129	725941	322.777 ug/l #	11
64) Tetrachloroethene	9.34	164	770032	384.272 ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	67560	21.037 ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	67560	57.989 ug/l #	9

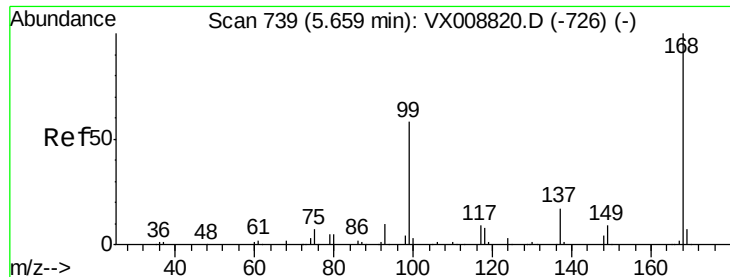
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008862.D

Acq: 11 Apr 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

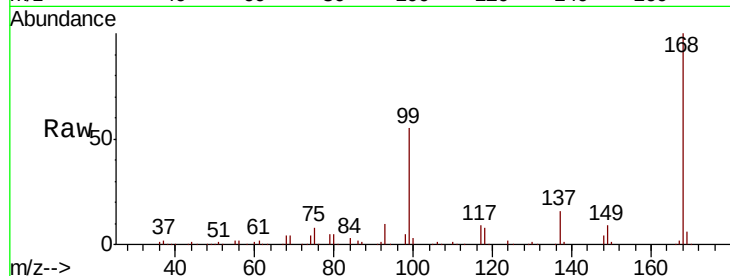
KY062MW071-190409

Tgt Ion:168 Resp: 193071

Ion Ratio Lower Upper

168 100

99 54.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

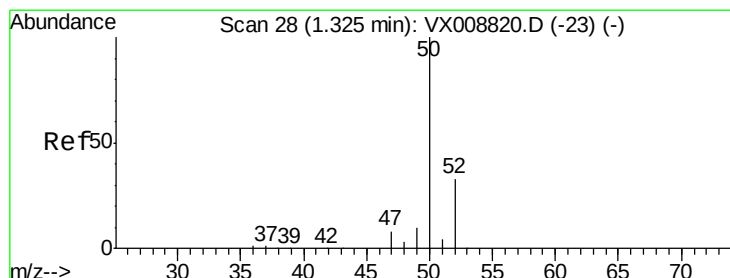
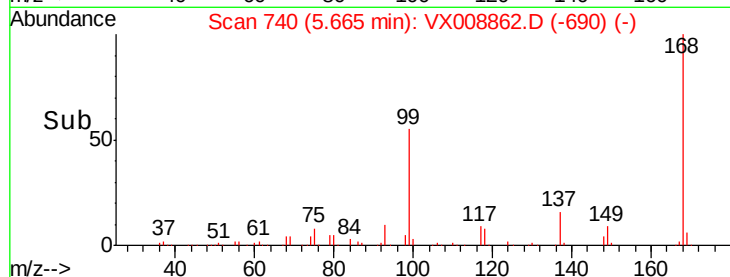
60000

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: VX008862.D

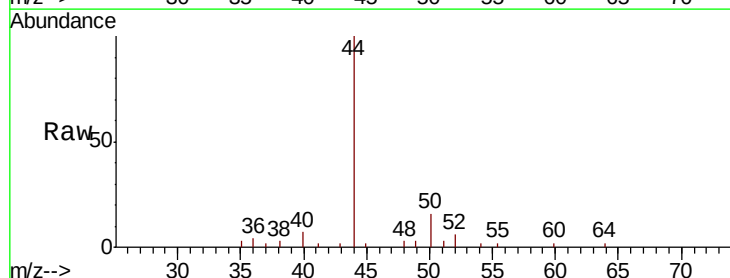
Acq: 11 Apr 2019 19:14

Tgt Ion: 50 Resp: 675

Ion Ratio Lower Upper

50 100

52 33.8 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

500

400

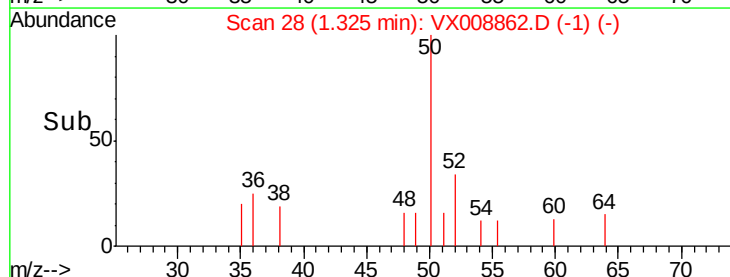
300

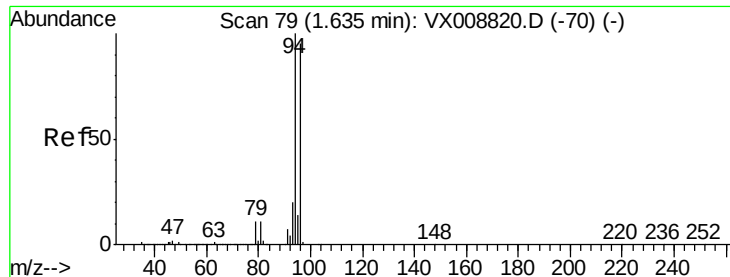
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 2.087 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008862.D

Acq: 11 Apr 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

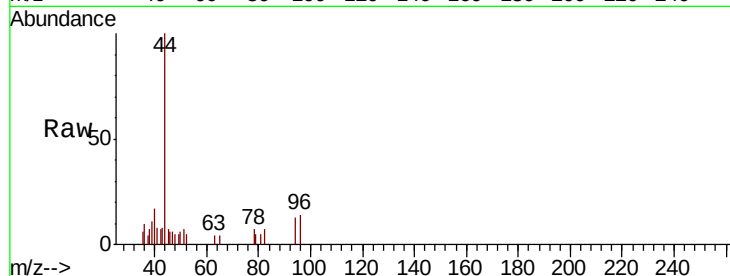
KY062MW071-190409

Tgt Ion: 94 Resp: 310

Ion Ratio Lower Upper

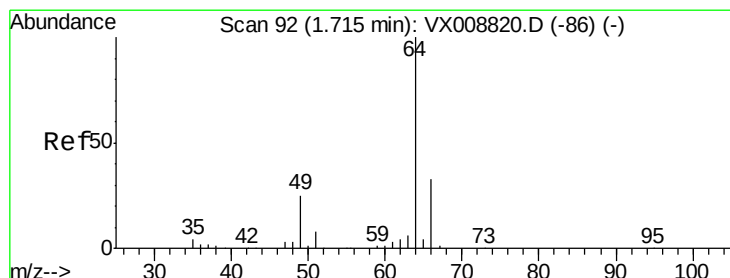
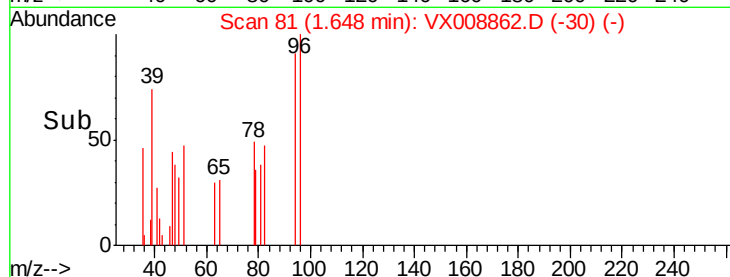
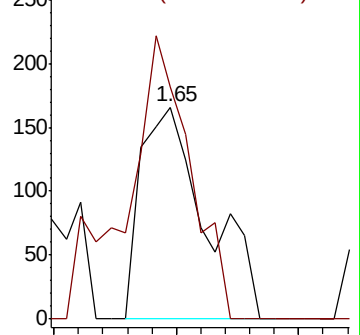
94 100

96 109.6 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX008862.D

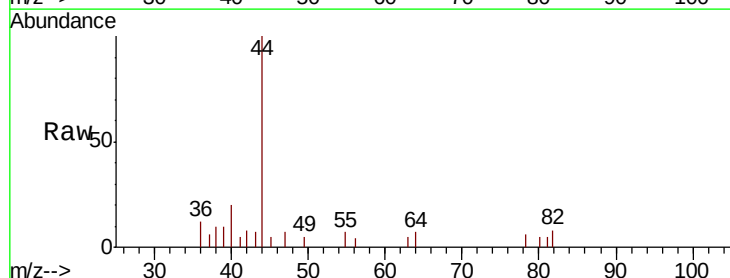
Acq: 11 Apr 2019 19:14

Tgt Ion: 64 Resp: 75

Ion Ratio Lower Upper

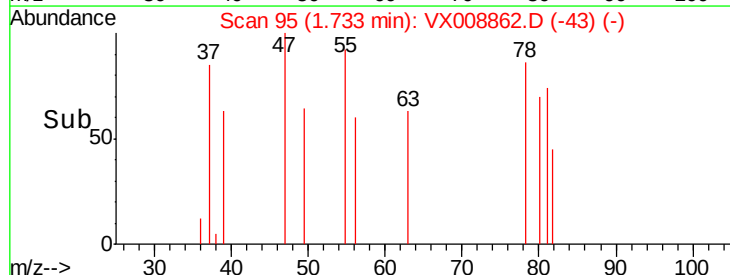
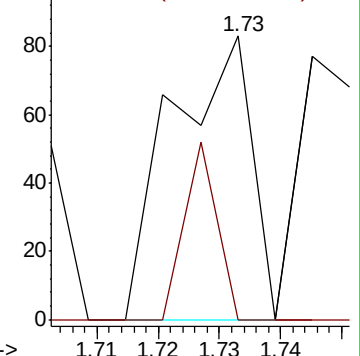
64 100

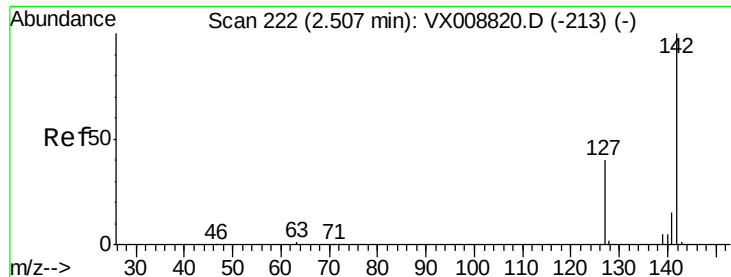
66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

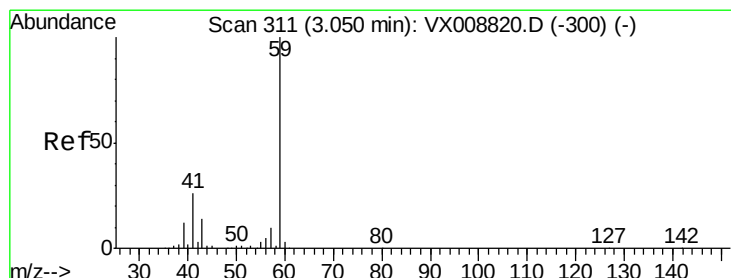
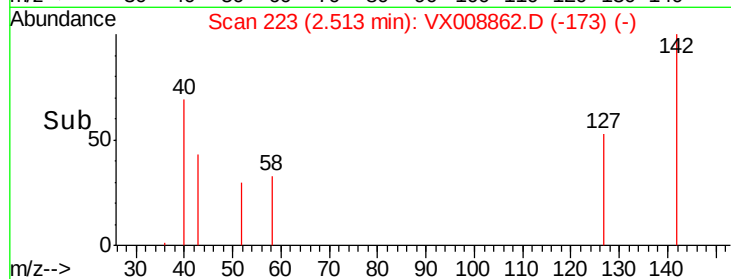
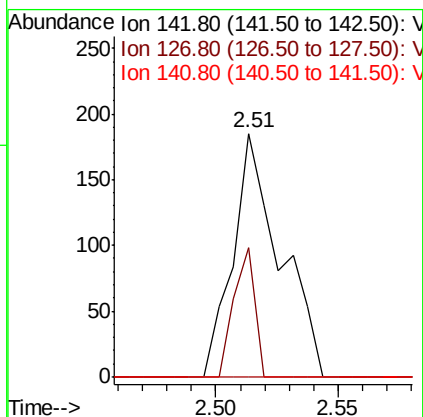
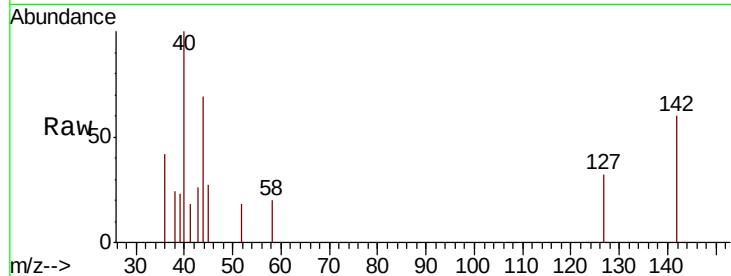




#10
Methyl Iodide
Concen: 4.120 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008862.D
Acq: 11 Apr 2019 19:14

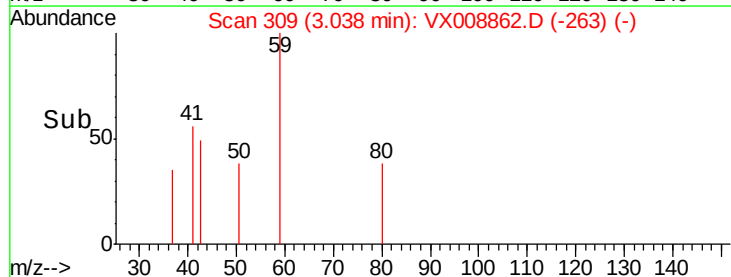
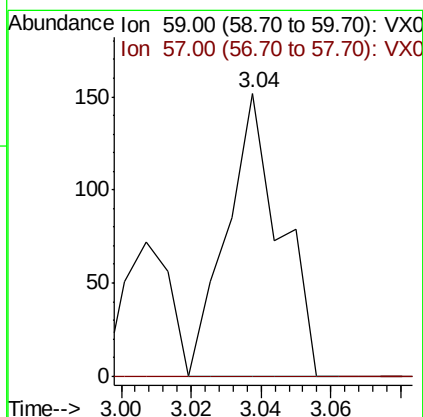
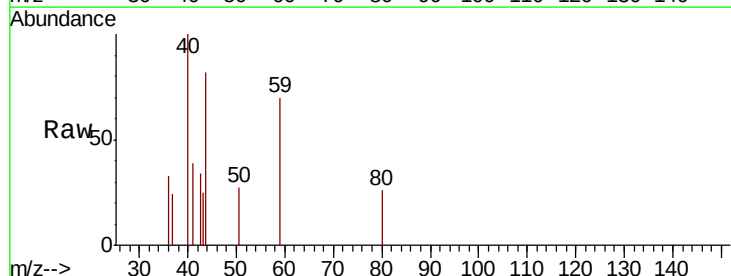
Instrument :
MSVOA_X
ClientSampleId :
KY062MW071-190409

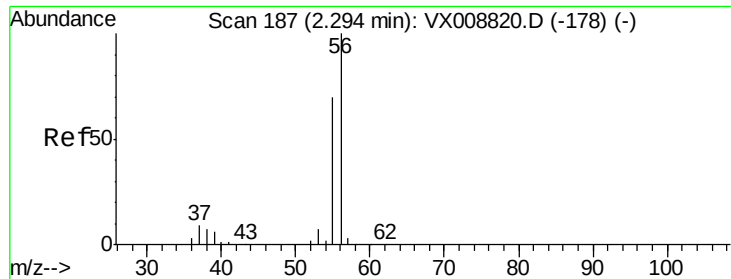
Tgt Ion: 142 Resp: 248
Ion Ratio Lower Upper
142 100
127 23.0 33.0 49.6#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.244 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.02 min
Lab File: VX008862.D
Acq: 11 Apr 2019 19:14

Tgt Ion: 59 Resp: 161
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

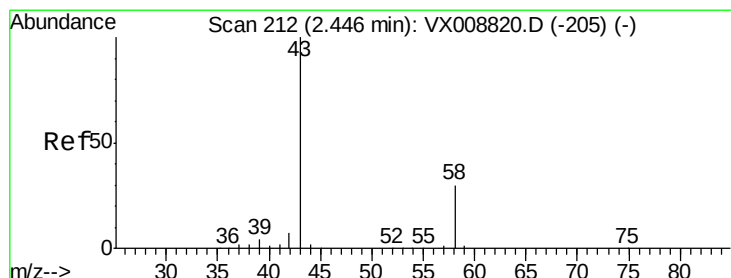
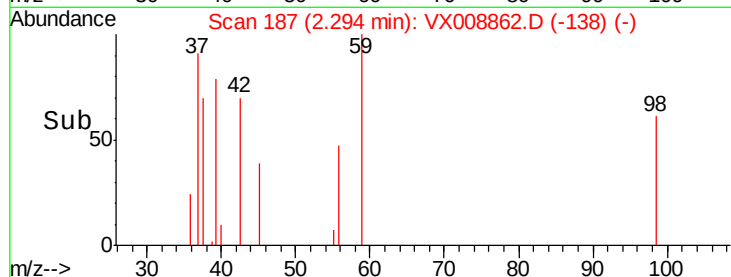
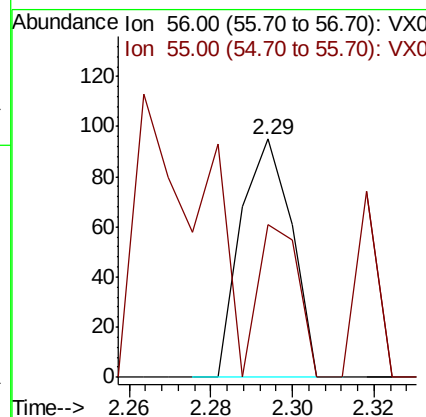
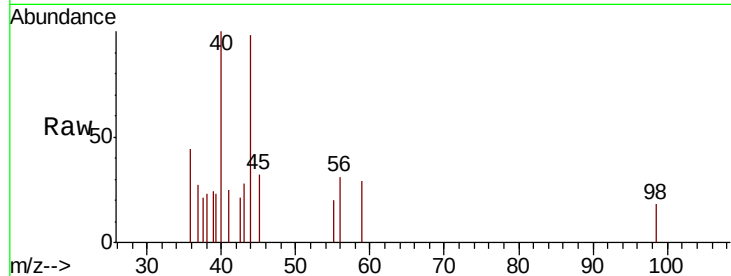




#13
Acrolein
Concen: 0.251 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008862.D
Acq: 11 Apr 2019 19:14

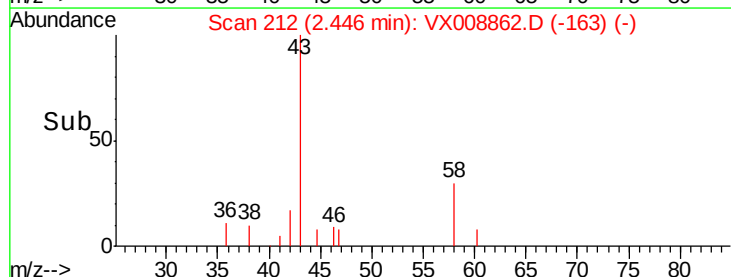
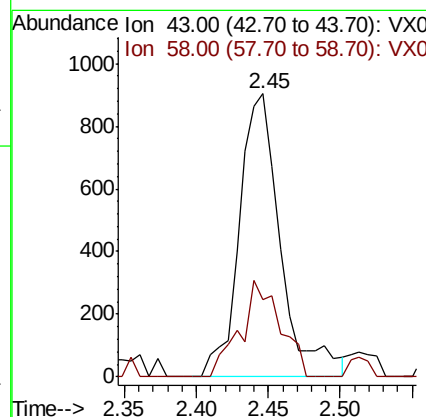
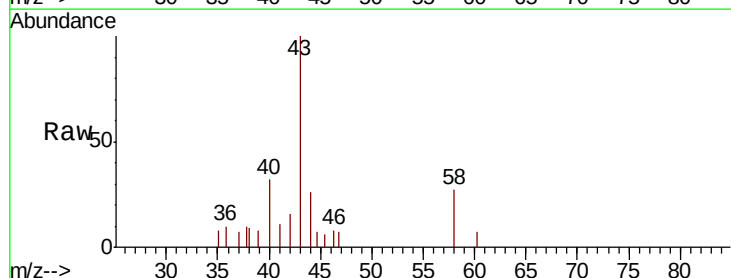
Instrument :
MSVOA_X
ClientSampleId :
KY062MW071-190409

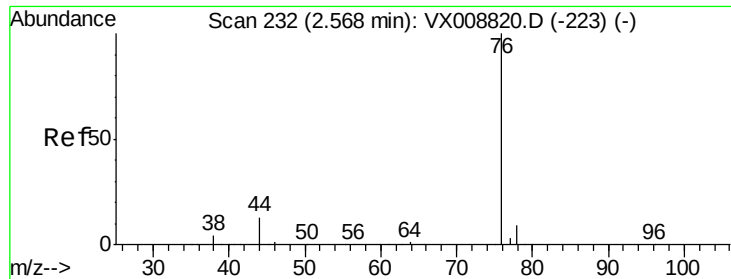
Tgt Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
55 0.0 58.0 87.0#



#16
Acetone
Concen: 1.109 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX008862.D
Acq: 11 Apr 2019 19:14

Tgt Ion: 43 Resp: 1798
Ion Ratio Lower Upper
43 100
58 27.2 24.8 37.2

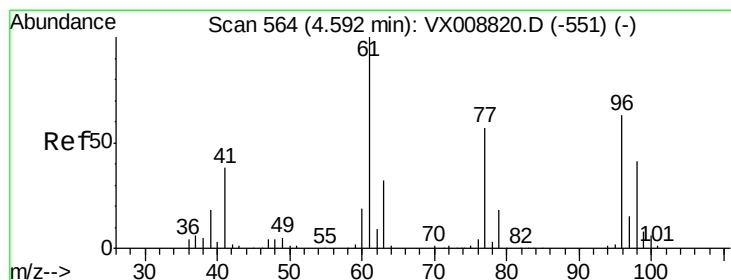
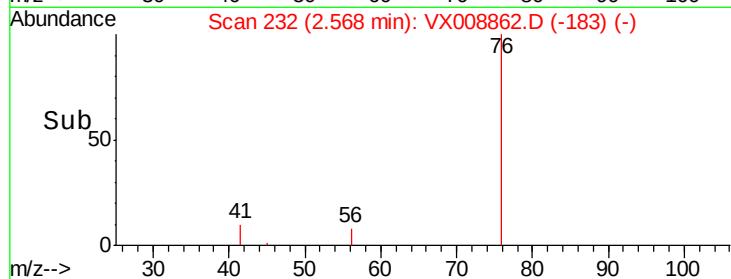
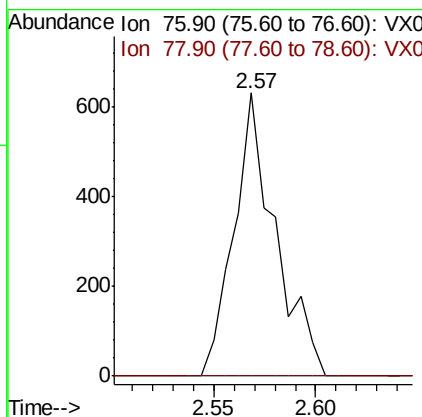
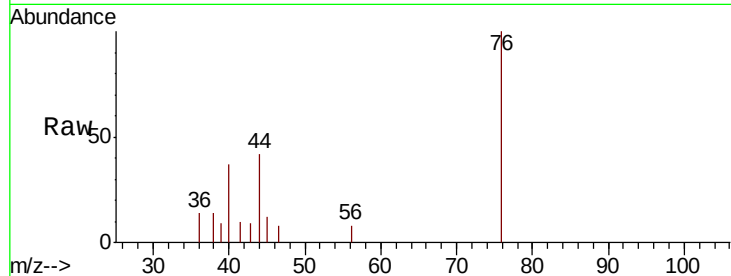




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008862.D
Acq: 11 Apr 2019 19:14

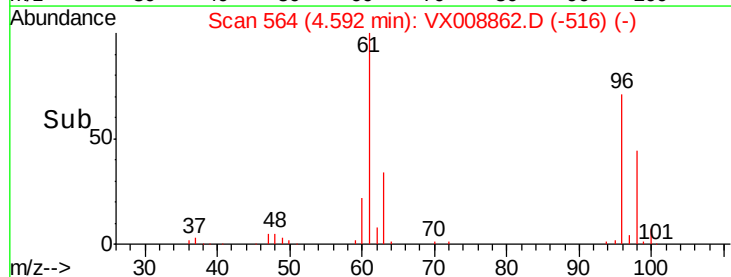
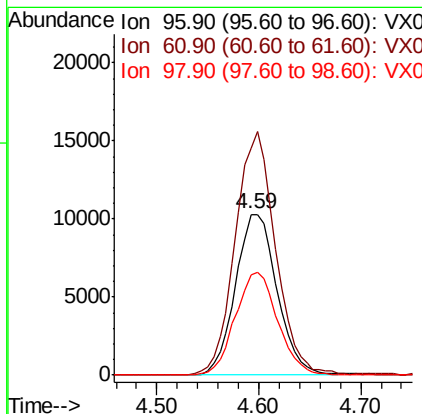
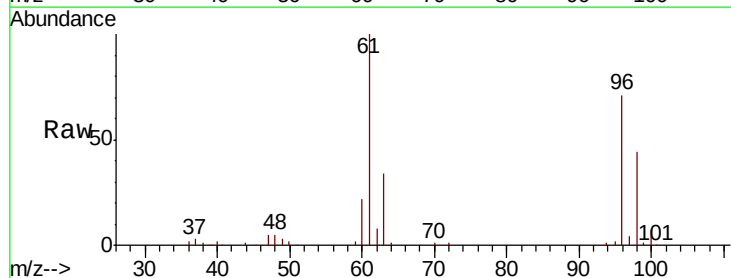
Instrument :
MSVOA_X
ClientSampleId :
KY062MW071-190409

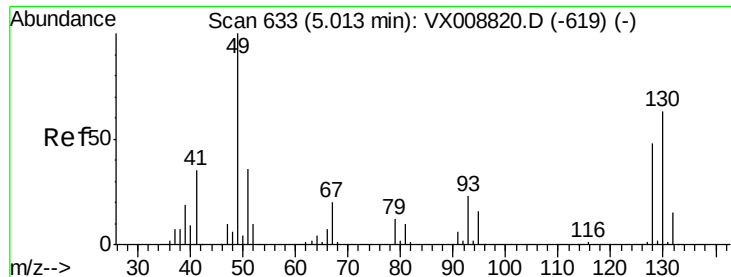
Tgt Ion: 76 Resp: 888
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#27
cis-1,2-Dichloroethene
Concen: 10.538 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008862.D
Acq: 11 Apr 2019 19:14

Tgt Ion: 96 Resp: 29253
Ion Ratio Lower Upper
96 100
61 146.6 0.0 327.6
98 64.8 0.0 128.6





#28

Bromochloromethane

Concen: Below Cal

RT: 4.98 min Scan# 627

Delta R.T. -0.04 min

Lab File: VX008862.D

Acq: 11 Apr 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-190409

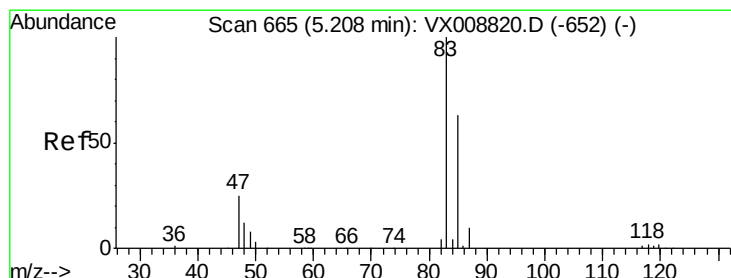
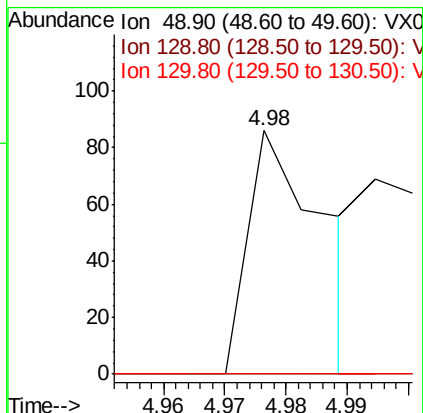
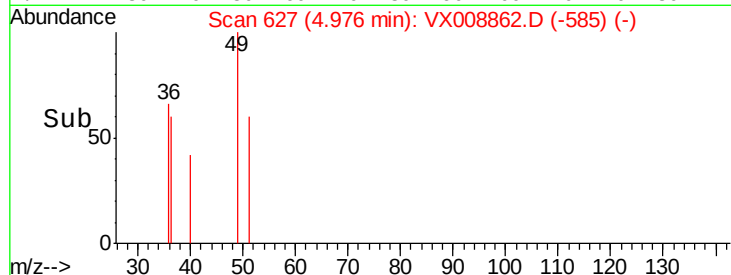
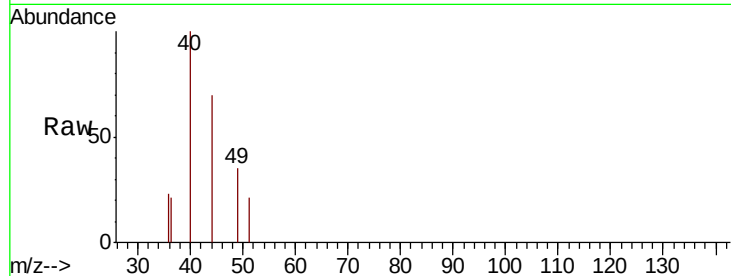
Tgt Ion: 49 Resp: 73

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 49.3 73.9#



#30

Chloroform

Concen: 0.508 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX008862.D

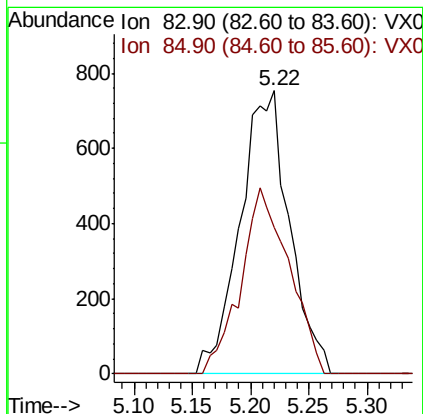
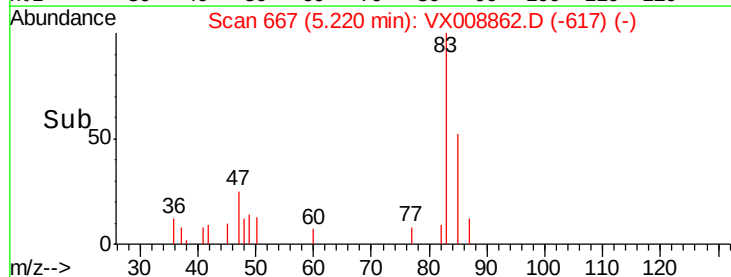
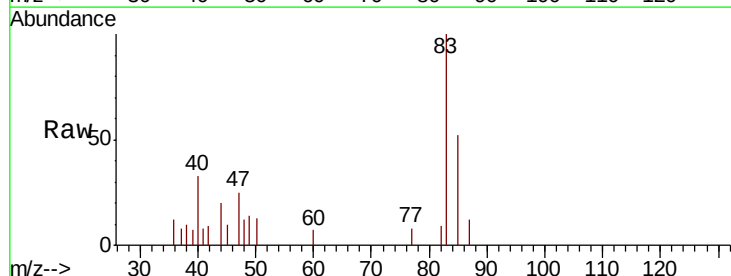
Acq: 11 Apr 2019 19:14

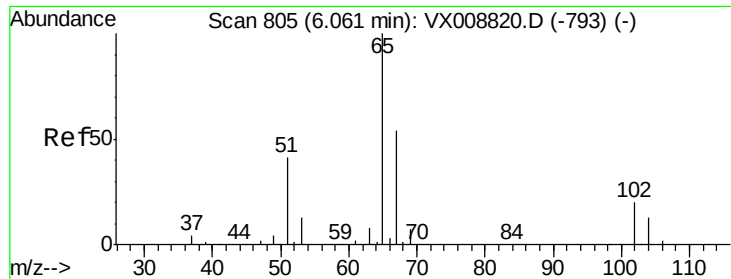
Tgt Ion: 83 Resp: 2213

Ion Ratio Lower Upper

83 100

85 51.7 52.1 78.1#

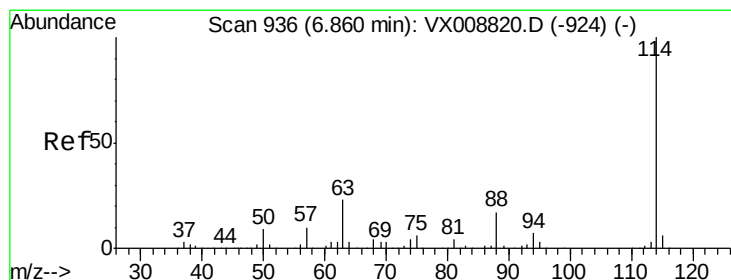
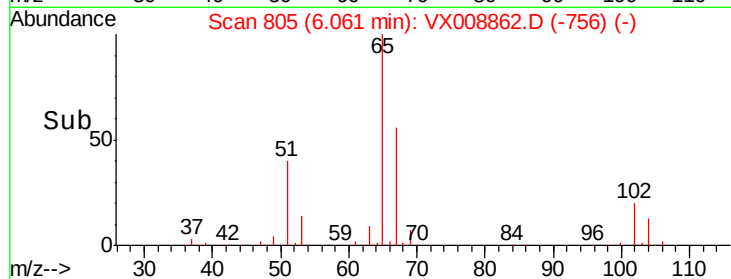
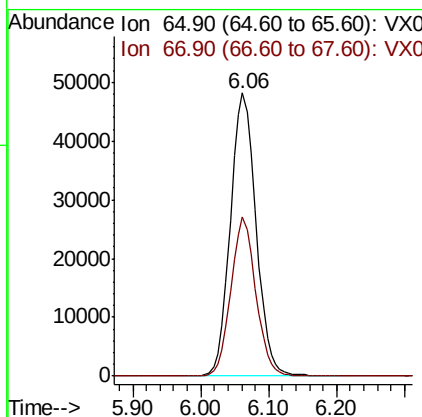
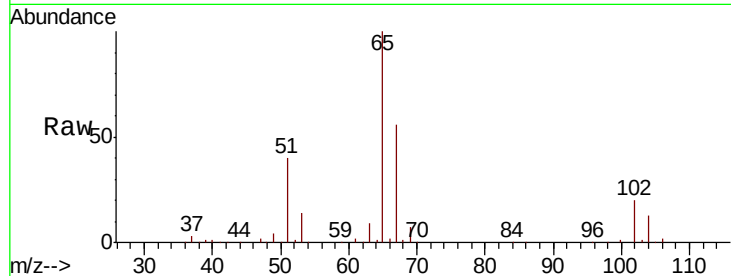




#33
 1,2-Dichloroethane-d4
 Concen: 44.834 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008862.D
 Acq: 11 Apr 2019 19:14

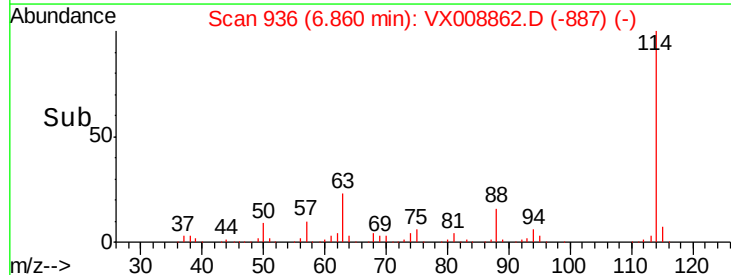
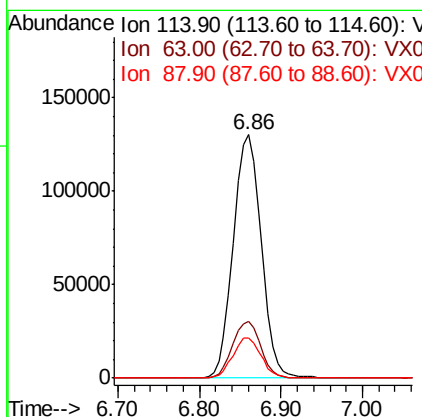
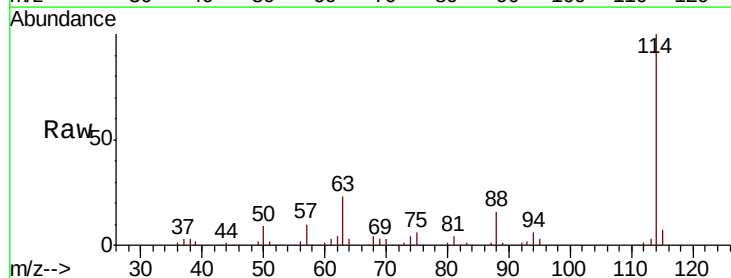
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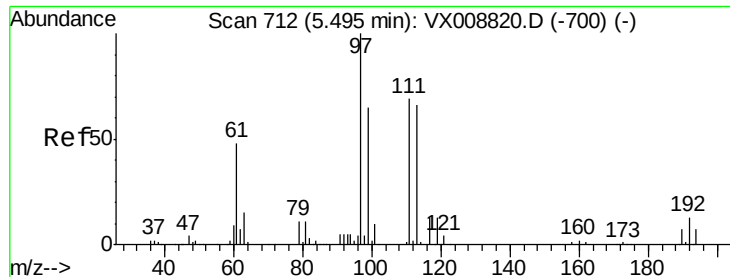
Tgt Ion: 65 Resp: 126256
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008862.D
 Acq: 11 Apr 2019 19:14

Tgt Ion: 114 Resp: 309703
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 47.2
 88 16.5 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.775 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008862.D

Acq: 11 Apr 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-190409

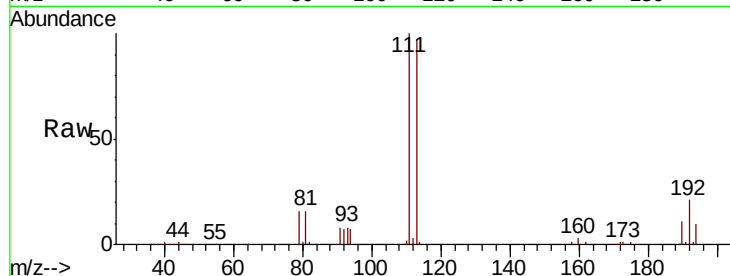
Tgt Ion:113 Resp: 92620

Ion Ratio Lower Upper

113 100

111 102.3 83.4 125.2

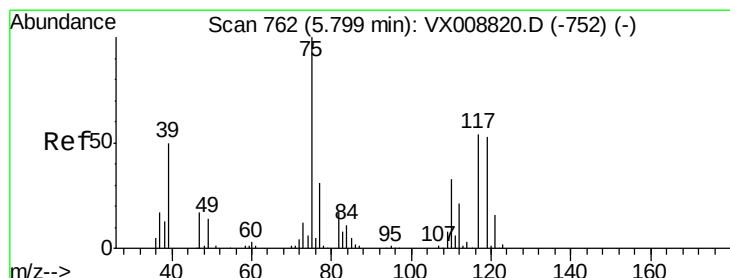
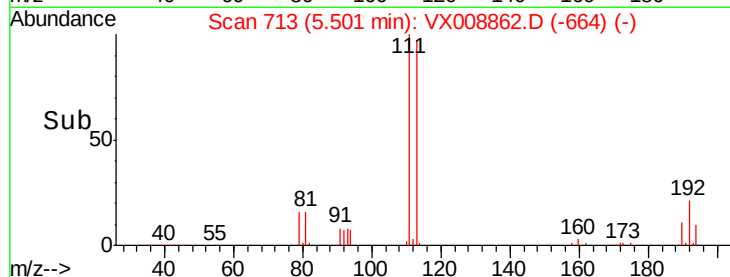
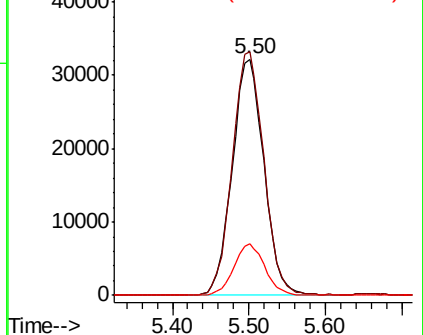
192 21.2 16.1 24.1



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: 4.600 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008862.D

Acq: 11 Apr 2019 19:14

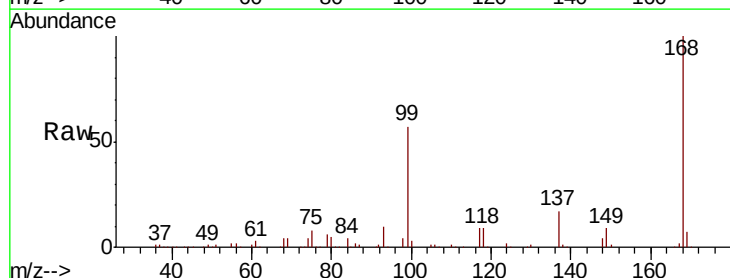
Tgt Ion: 75 Resp: 15574

Ion Ratio Lower Upper

75 100

110 9.3 16.4 49.2#

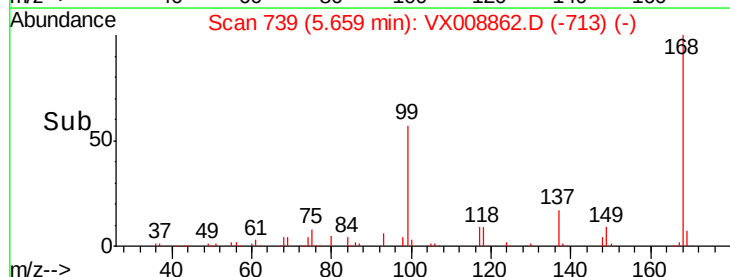
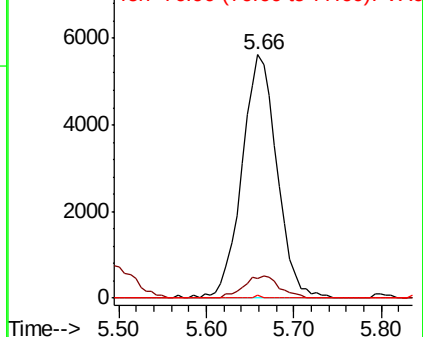
77 0.1 24.7 37.1#

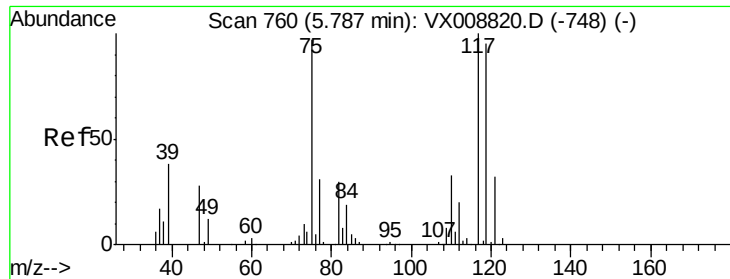


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.515 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008862.D

Acq: 11 Apr 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-190409

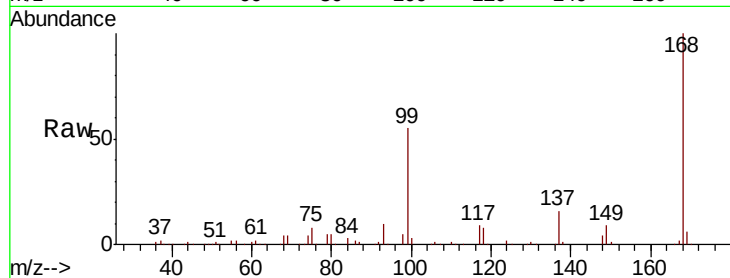
Tgt Ion:117 Resp: 18255

Ion Ratio Lower Upper

117 100

119 4.1 75.0 112.6#

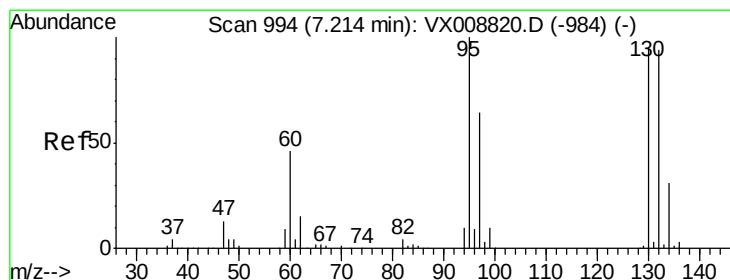
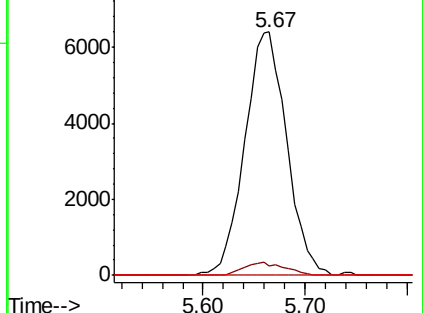
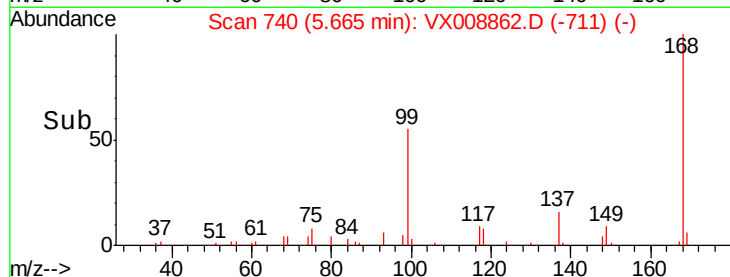
121 0.0 24.3 36.5#



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



#44

Trichloroethene

Concen: 42.954 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008862.D

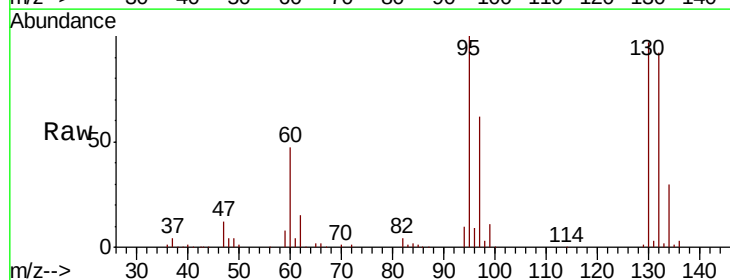
Acq: 11 Apr 2019 19:14

Tgt Ion:130 Resp: 100897

Ion Ratio Lower Upper

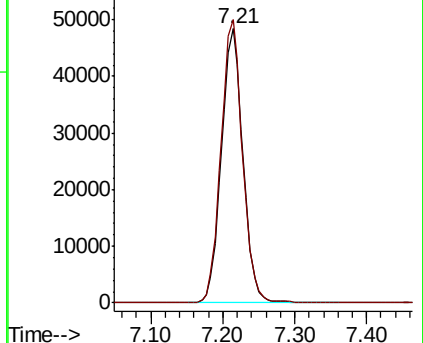
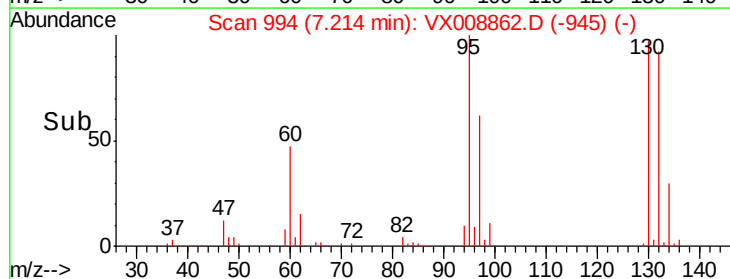
130 100

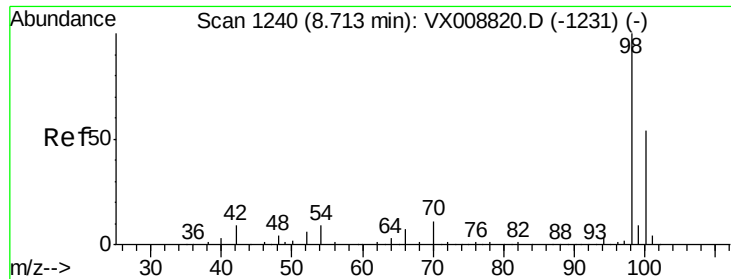
95 103.2 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.671 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008862.D

Acq: 11 Apr 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

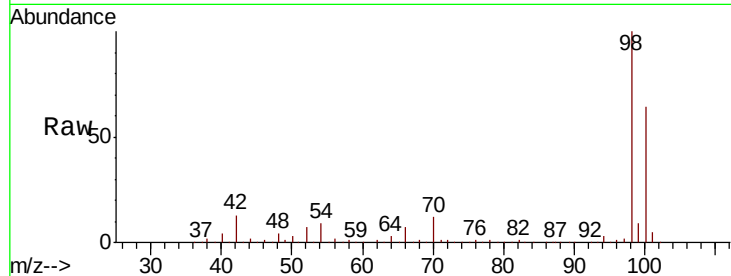
KY062MW071-190409

Tgt Ion: 98 Resp: 391620

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): VX0

8.71

250000

200000

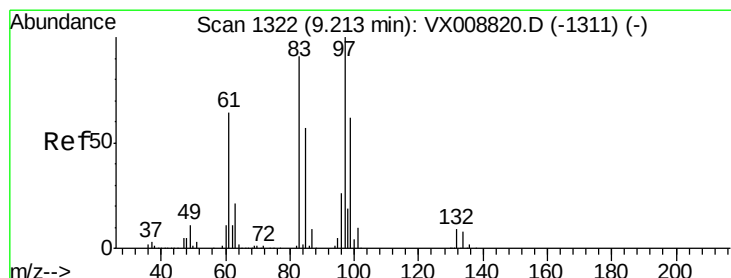
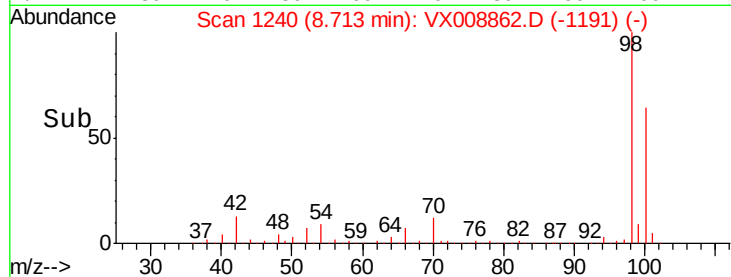
150000

100000

50000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 2.662 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.12 min

Lab File: VX008862.D

Acq: 11 Apr 2019 19:14

Tgt Ion: 97 Resp: 6354

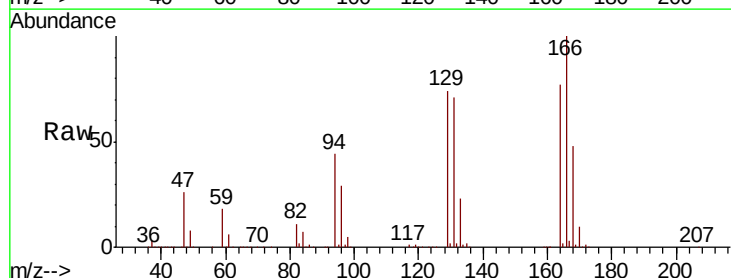
Ion Ratio Lower Upper

97 100

83 325.3 73.2 109.8#

85 46.8 46.6 69.8

99 18.6 50.1 75.1#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

20000

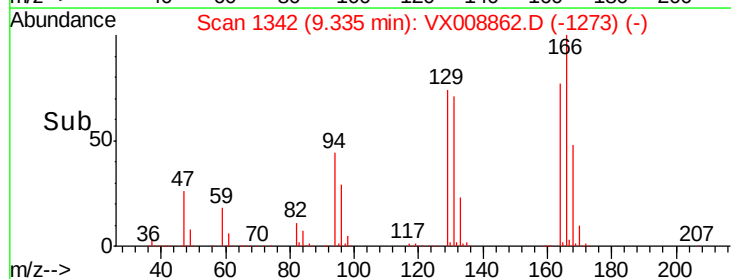
15000

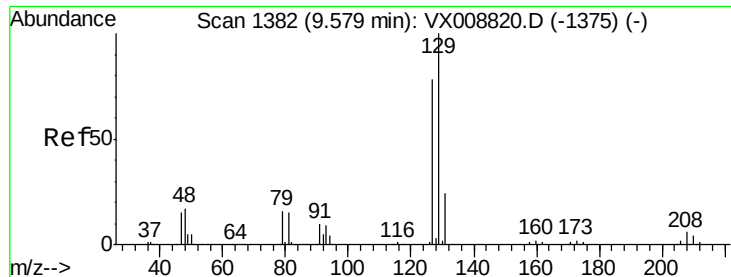
10000

5000

0

Time-->

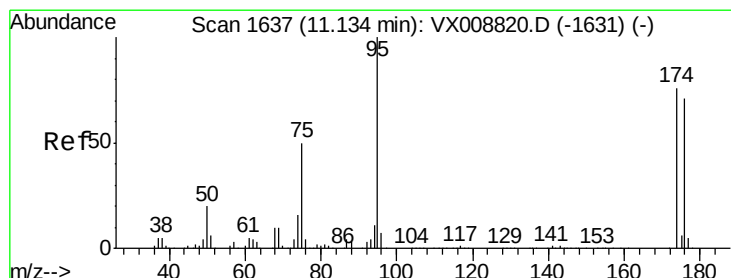
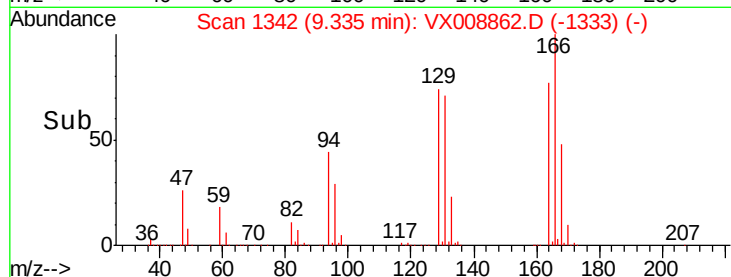
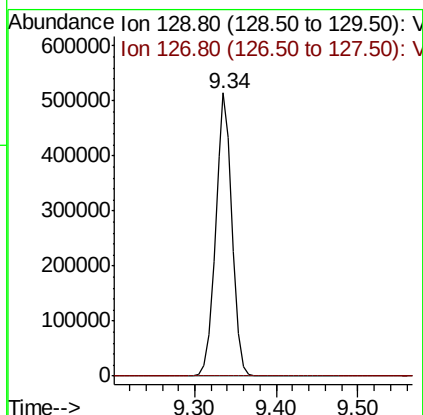
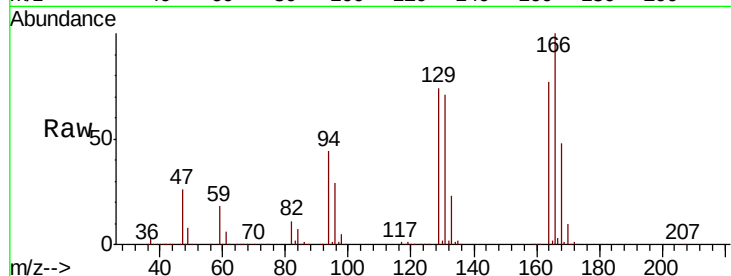




#60
 Dibromochloromethane
 Concen: 322.777 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX008862.D
 Acq: 11 Apr 2019 19:14

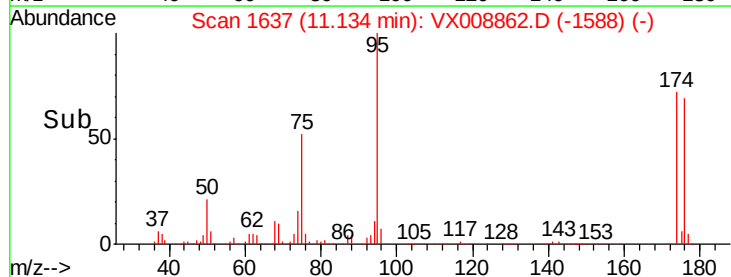
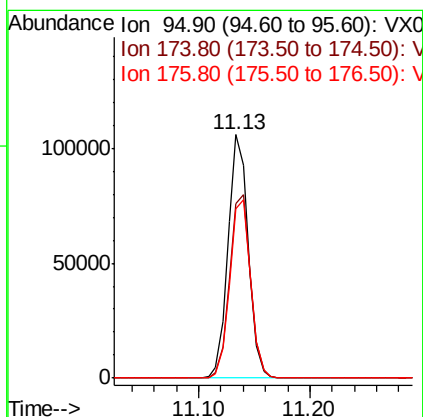
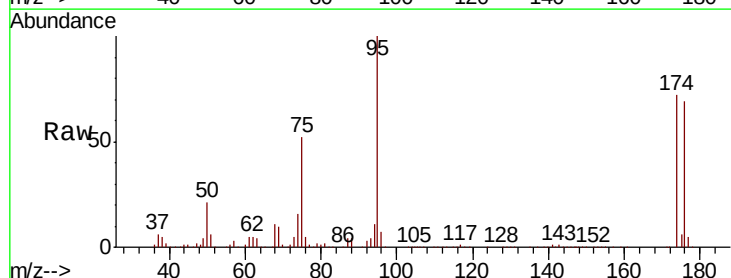
Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW071-190409

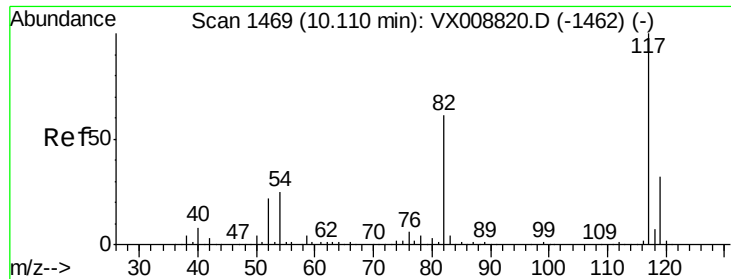
Tgt Ion: 129 Resp: 725941
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.3#



#62
 4-Bromofluorobenzene
 Concen: 47.409 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX008862.D
 Acq: 11 Apr 2019 19:14

Tgt Ion: 95 Resp: 132552
 Ion Ratio Lower Upper
 95 100
 174 78.4 0.0 151.8
 176 75.8 0.0 145.8

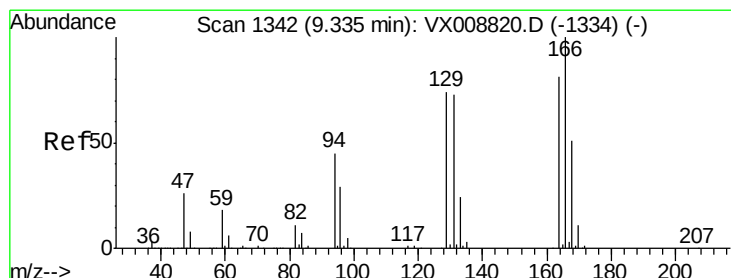
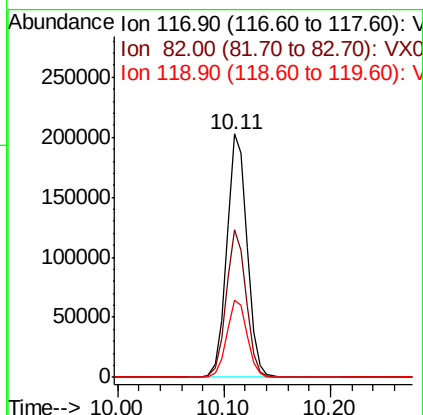
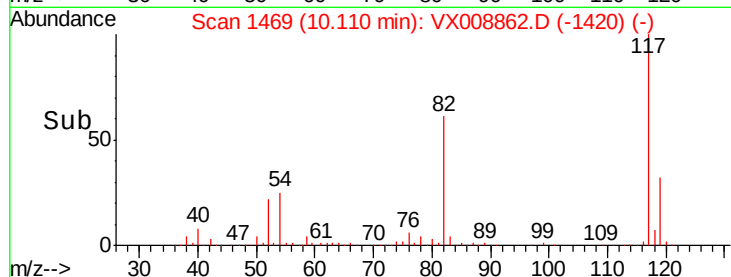
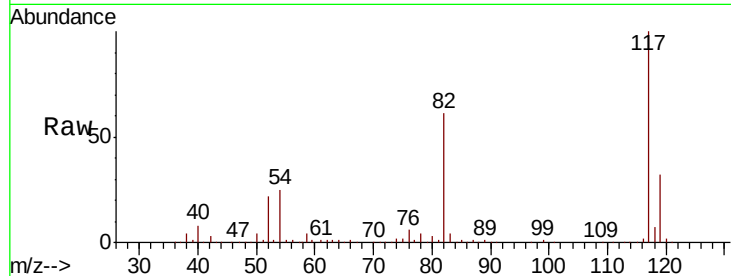




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008862.D
Acq: 11 Apr 2019 19:14

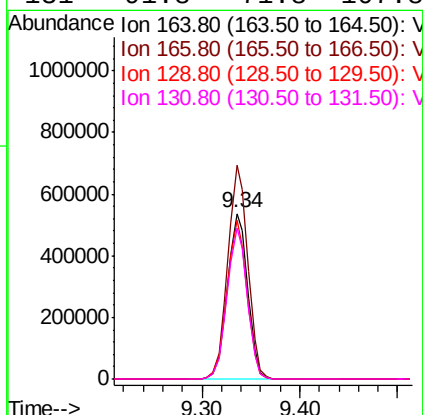
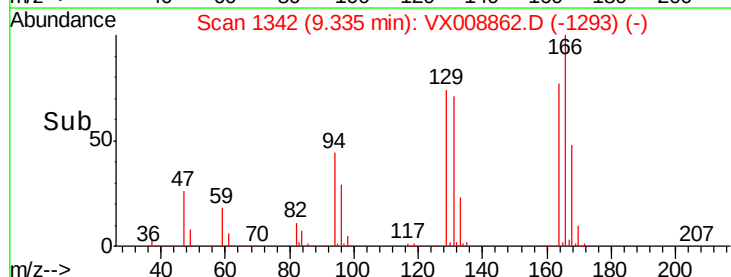
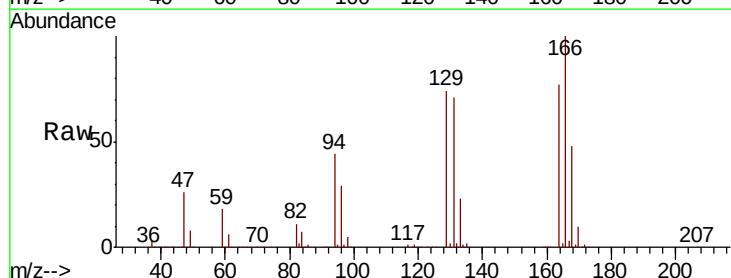
Instrument :
MSVOA_X
ClientSampleId :
KY062MW071-190409

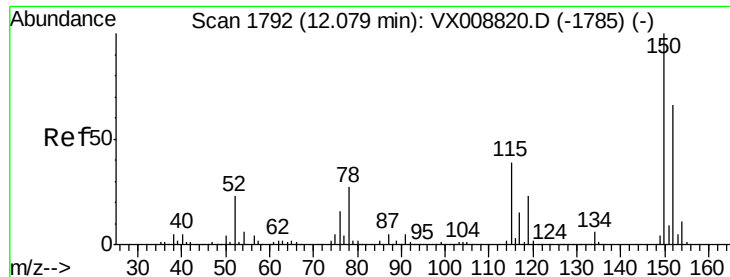
Tgt Ion:117 Resp: 270466
Ion Ratio Lower Upper
117 100
82 60.8 49.6 74.4
119 31.9 25.0 37.4



#64
Tetrachloroethene
Concen: 384.272 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008862.D
Acq: 11 Apr 2019 19:14

Tgt Ion:164 Resp: 770032
Ion Ratio Lower Upper
164 100
166 129.3 101.0 151.6
129 95.9 75.8 113.8
131 91.8 71.8 107.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008862.D

Acq: 11 Apr 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-190409

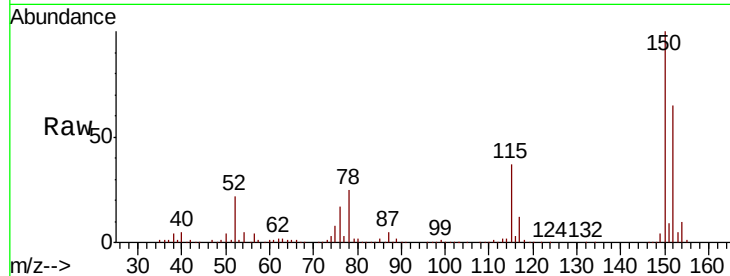
Tgt Ion:152 Resp: 116906

Ion Ratio Lower Upper

152 100

115 59.7 43.5 130.5

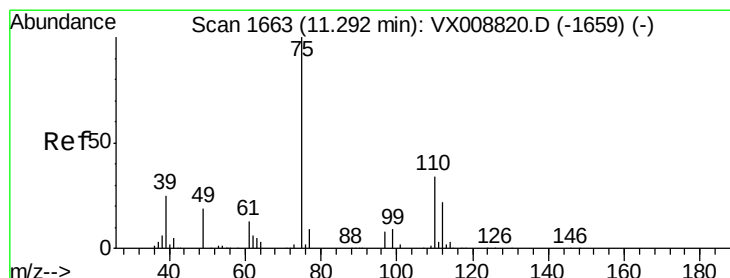
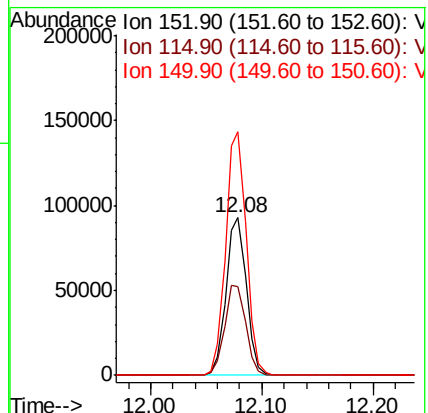
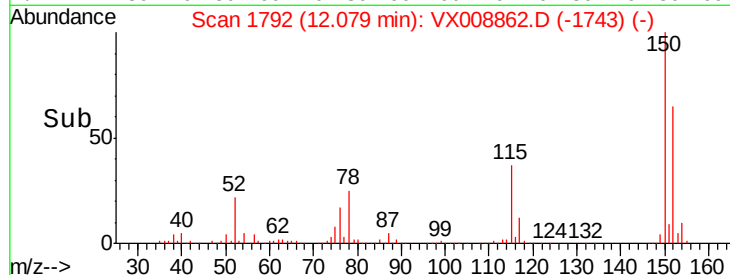
150 156.2 0.0 348.8



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: 21.037 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008862.D

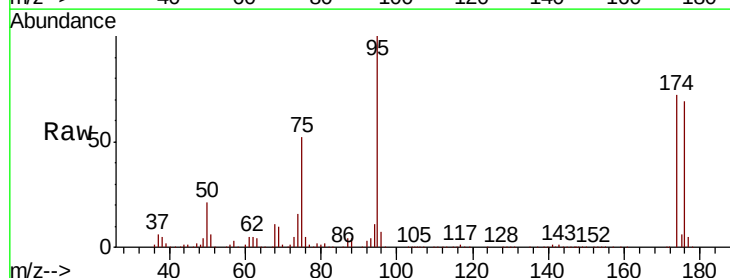
Acq: 11 Apr 2019 19:14

Tgt Ion: 75 Resp: 67560

Ion Ratio Lower Upper

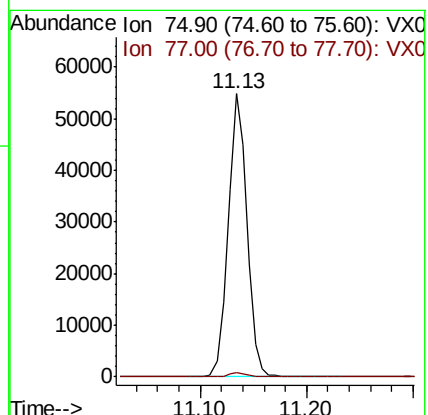
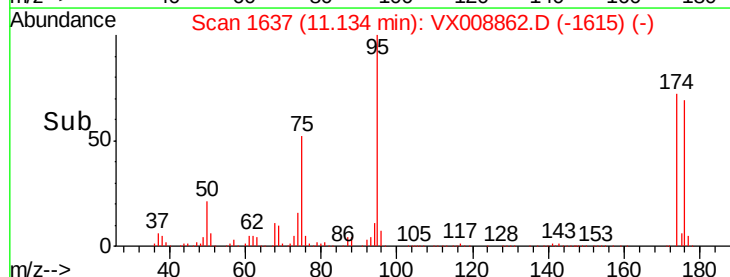
75 100

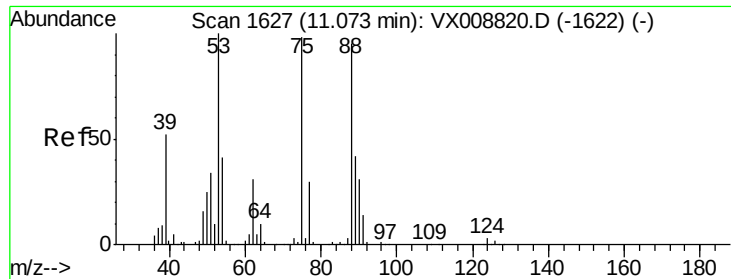
77 1.4 22.3 66.8#



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: 57.989 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008862.D

Acq: 11 Apr 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-190409

Tgt Ion: 75 Resp: 67560

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#

