

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041819\
 Data File : VX009037.D
 Acq On : 18 Apr 2019 12:37
 Operator : JC/SP
 Sample : K2387-07DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY063MW003-190410DL

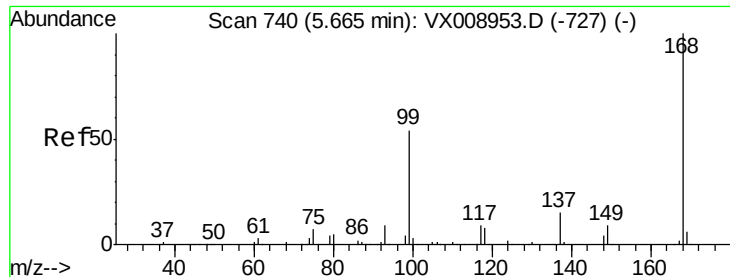
Quant Time: Apr 19 01:36:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	250305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	408923	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	348013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148304	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	168353	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
35) Dibromofluoromethane	5.50	113	122960	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
50) Toluene-d8	8.71	98	502071	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
62) 4-Bromofluorobenzene	11.13	95	165553	44.81	ug/l	0.00
Spiked Amount			Recovery	=	89.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	430	4.032	ug/l #	12
10) Methyl Iodide	2.51	142	277	4.504	ug/l #	87
11) Tert butyl alcohol	3.04	59	191	0.244	ug/l #	19
13) Acrolein	2.28	56	272	0.402	ug/l #	78
16) Acetone	2.44	43	1098	0.600	ug/l #	87
17) Carbon Disulfide	2.57	76	720	1.342	ug/l #	75
20) Methylene Chloride	2.86	84	721	0.230	ug/l #	66
27) cis-1,2-Dichloroethene	4.60	96	27830	8.561	ug/l	90
28) Bromochloromethane	5.01	49	66	Below Cal	#	21
31) Cyclohexane	5.67	56	5470	0.974	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	20273	4.794	ug/l #	50
38) Carbon Tetrachloride	5.67	117	23682	6.605	ug/l #	16
44) Trichloroethene	7.21	130	26280	8.597	ug/l	98
49) 1,4-Dioxane	7.91	88	20	0.247	ug/l #	1
55) 1,1,2-Trichloroethane	9.34	97	867	0.293	ug/l #	1
60) Dibromochloromethane	9.34	129	81786	28.796	ug/l #	10
64) Tetrachloroethene	9.34	164	86853	32.852	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	83835	23.151	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	83835	59.434	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009037.D

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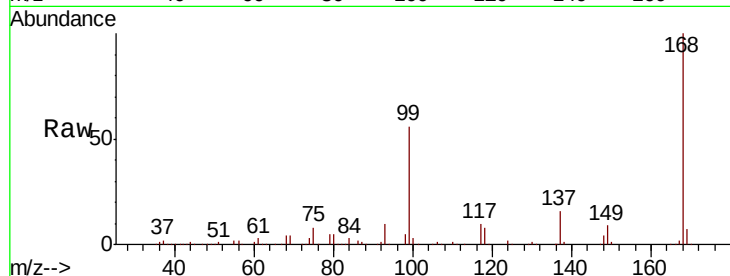
KY063MW003-190410DL

Tot Ion:168 Resp: 250305

Ion Ratio Lower Upper

168 100

99 55.7 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

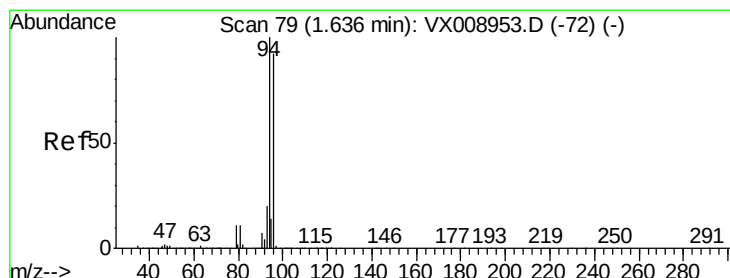
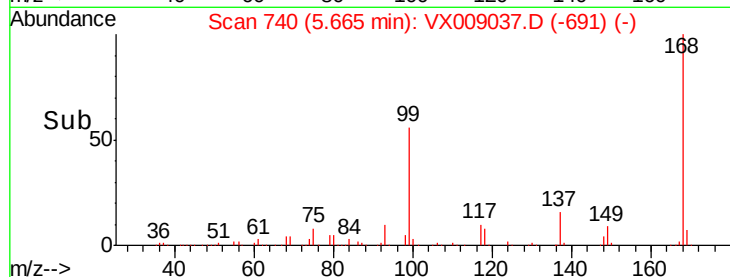
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 4.032 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX009037.D

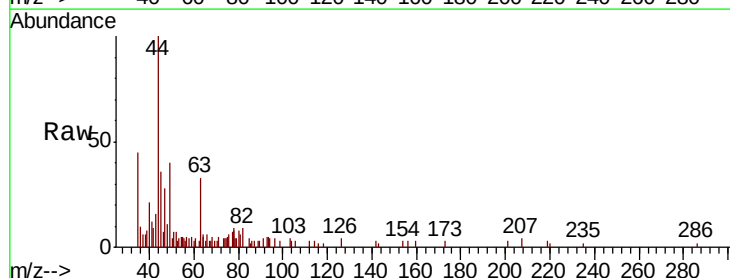
Acq: 18 Apr 2019 12:37

Tgt Ion: 94 Resp: 430

Ion Ratio Lower Upper

94 100

96 8.6 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

200

150

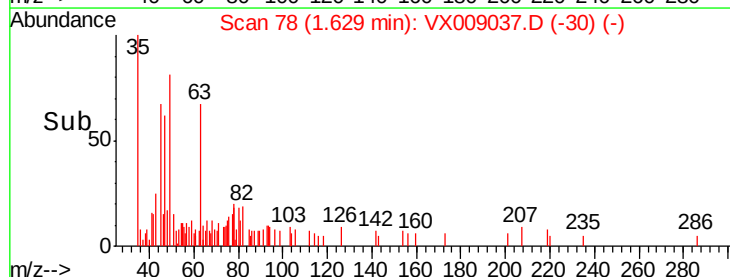
100

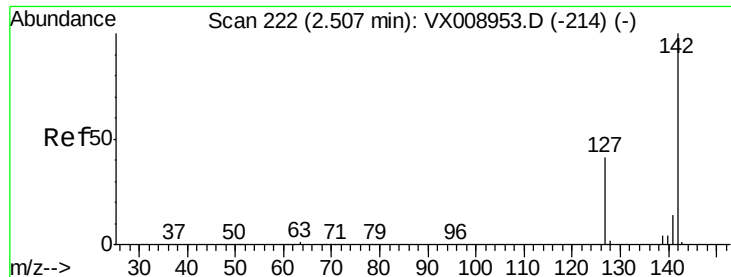
50

0

Time-->

1.60 1.65

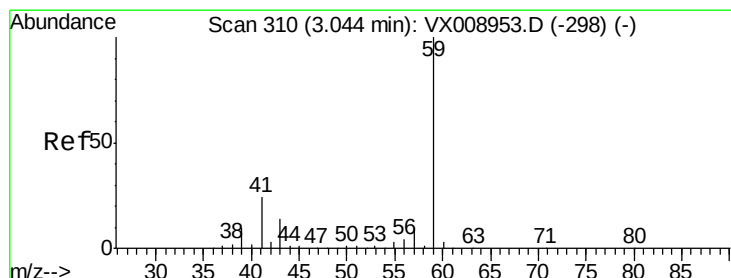
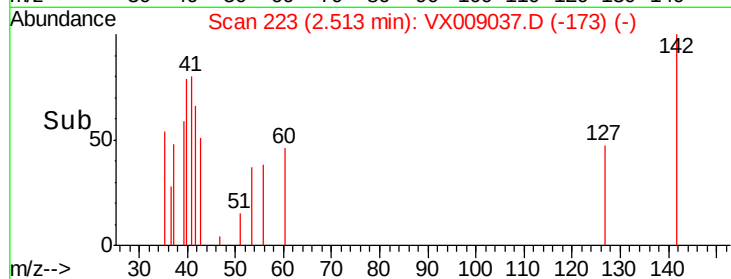
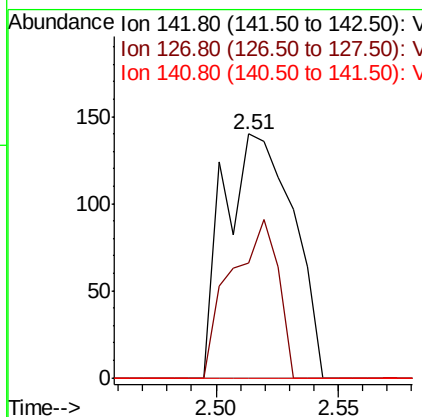
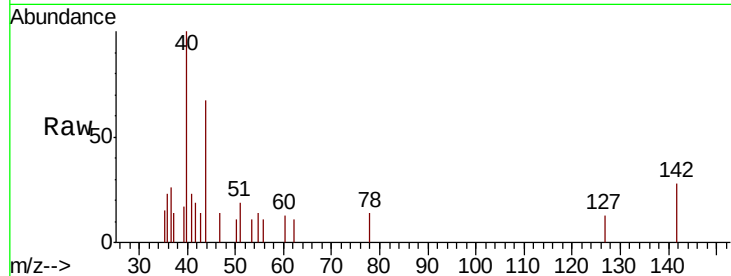




#10
Methvl Iodide
Concen: 4.504 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009037.D
Acq: 18 Apr 2019 12:37

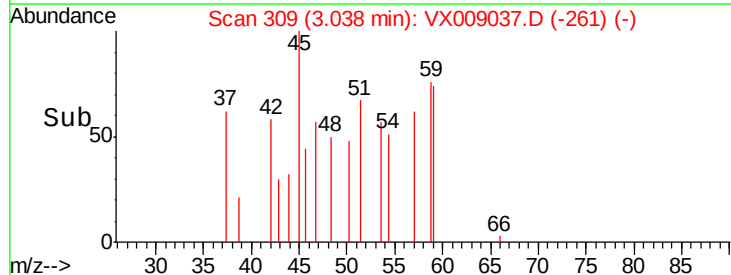
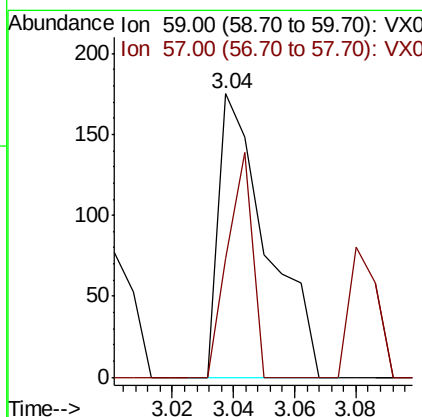
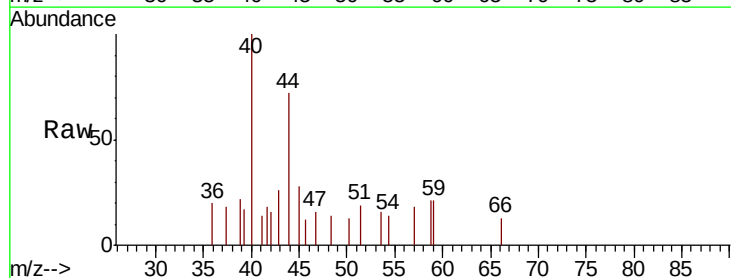
Instrument :
MSVOA_X
ClientSampleId :
KY063MW003-190410DL

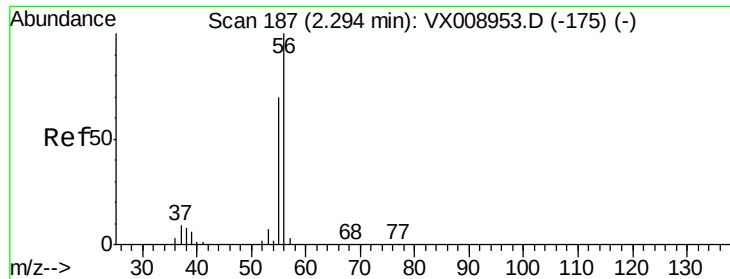
Tot Ion:142 Resp: 277
Ion Ratio Lower Upper
142 100
127 44.4 32.8 49.2
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.244 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009037.D
Acq: 18 Apr 2019 12:37

Tgt Ion: 59 Resp: 191
Ion Ratio Lower Upper
59 100
57 40.8 8.4 12.6#

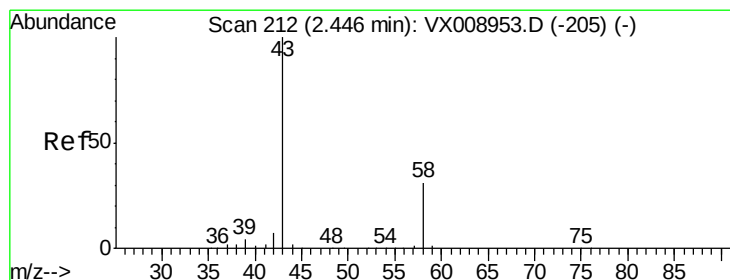
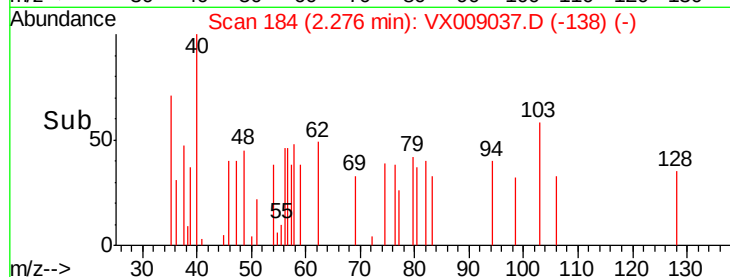
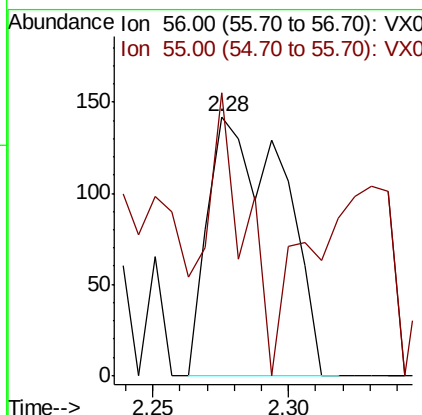
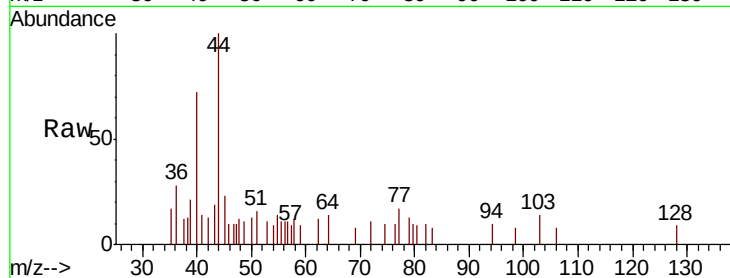




#13
Acrolein
Concen: 0.402 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.02 min
Lab File: VX009037.D
Acq: 18 Apr 2019 12:37

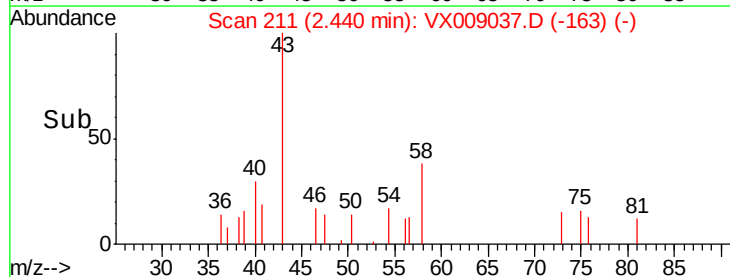
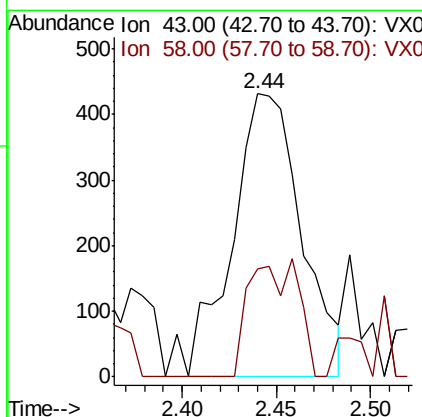
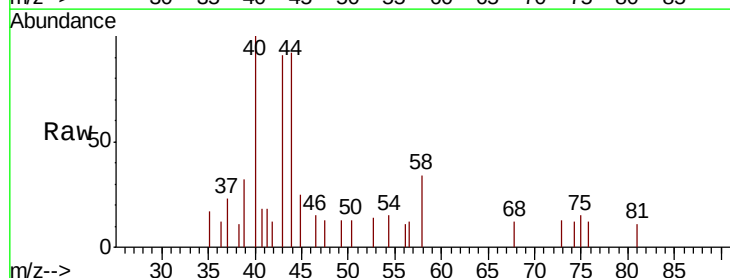
Instrument :
MSVOA_X
ClientSampleId :
KY063MW003-190410DL

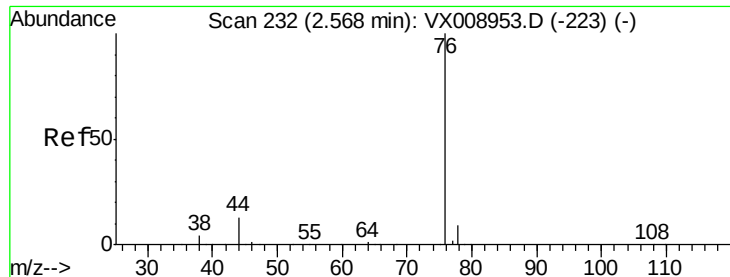
Tot Ion: 56 Resp: 272
Ion Ratio Lower Upper
56 100
55 52.2 56.6 84.8#



#16
Acetone
Concen: 0.600 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009037.D
Acq: 18 Apr 2019 12:37

Tgt Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
58 38.0 24.8 37.2#





#17

Carbon Disulfide

Concen: 1.342 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009037.D

Acq: 18 Apr 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

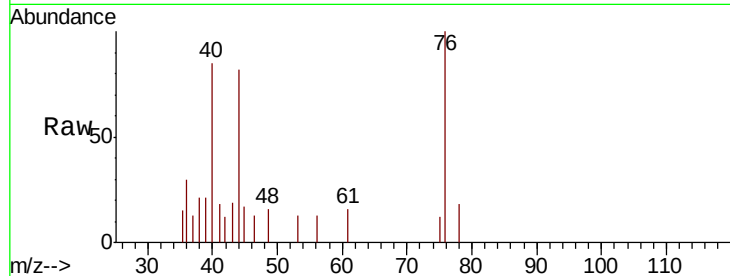
KY063MW003-190410DL

Tot Ion: 76 Resp: 720

Ion Ratio Lower Upper

76 100

78 18.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400

300

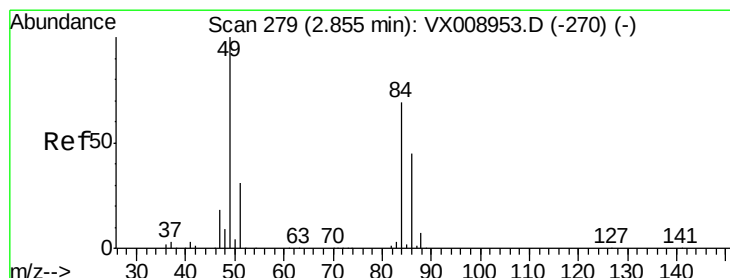
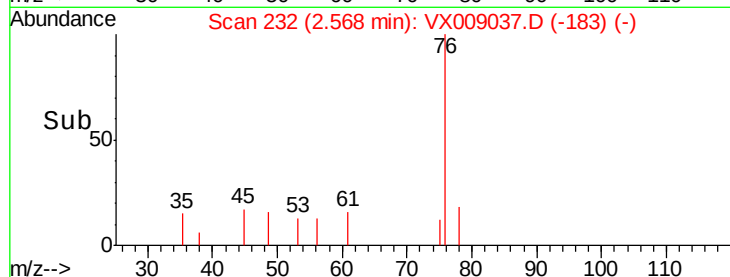
200

100

0

2.55 2.60

Time-->



#20

Methylene Chloride

Concen: 0.230 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX009037.D

Acq: 18 Apr 2019 12:37

Tgt Ion: 84 Resp: 721

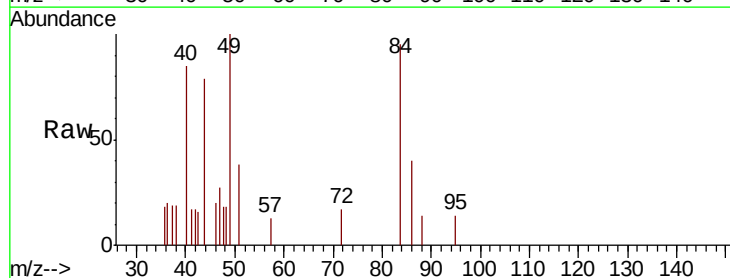
Ion Ratio Lower Upper

84 100

49 88.2 115.4 173.0#

51 40.0 35.8 53.6

86 42.5 52.1 78.1#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

800

600

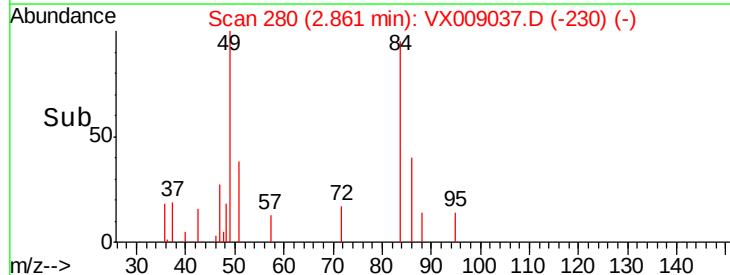
400

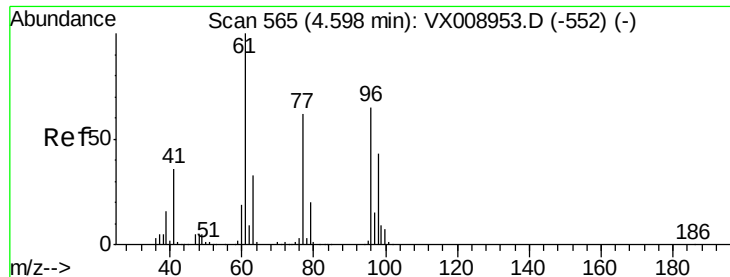
200

0

2.80 2.85 2.90

Time-->



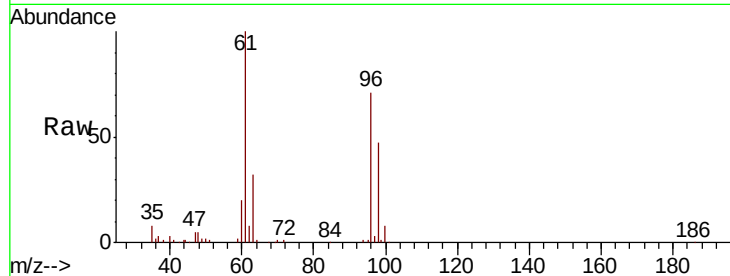


#27

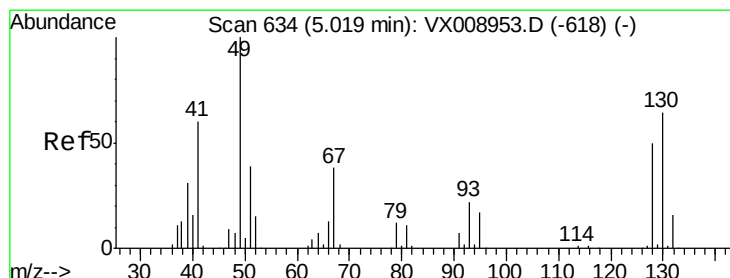
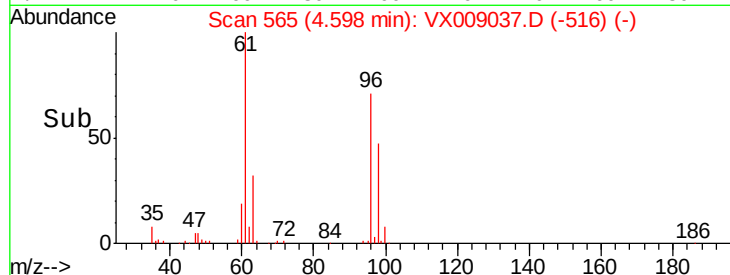
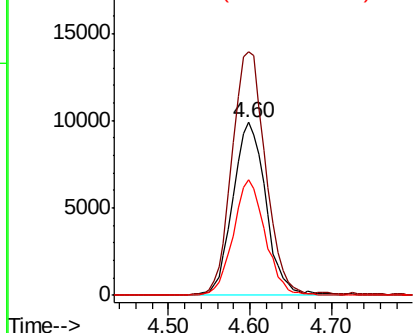
cis-1,2-Dichloroethene
 Concen: 8.561 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX009037.D
 Acq: 18 Apr 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 KY063MW003-190410DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	322.0
98	64.5	0.0	128.4



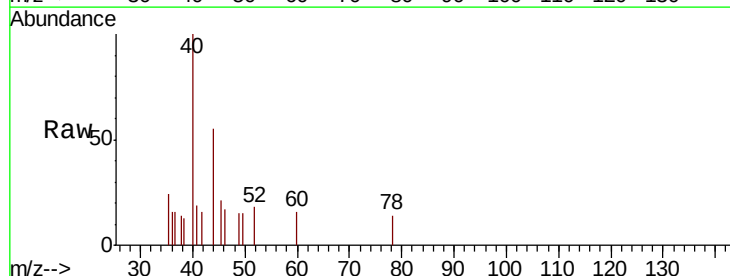
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



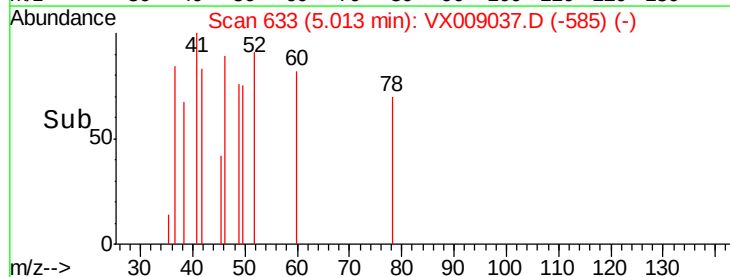
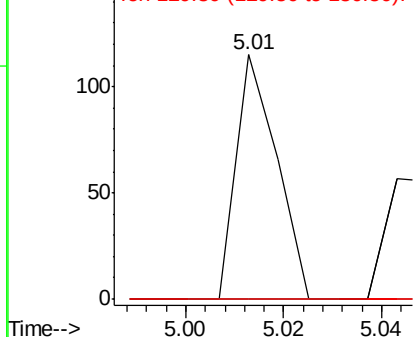
#28

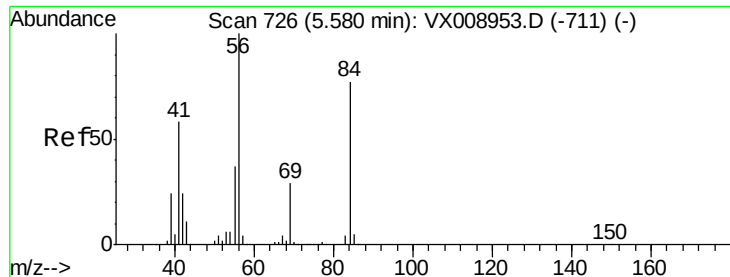
Bromochloromethane
 Concen: Below Cal
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX009037.D
 Acq: 18 Apr 2019 12:37

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



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

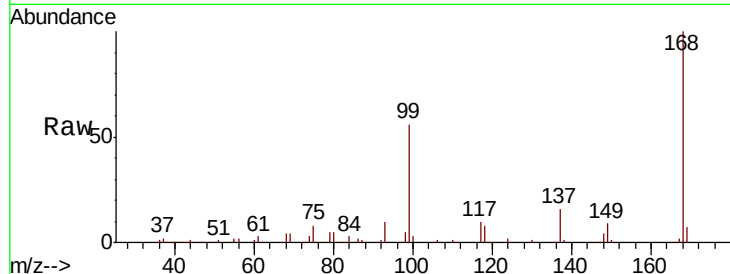




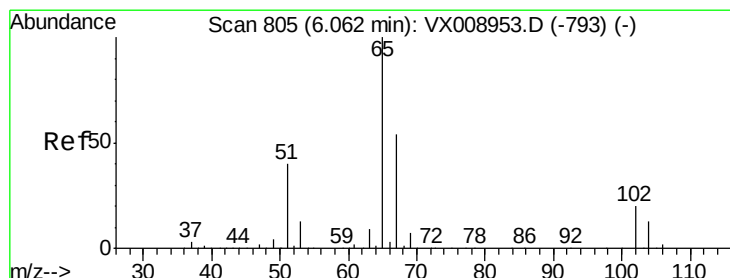
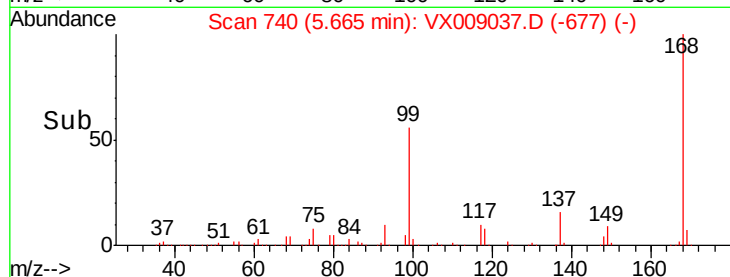
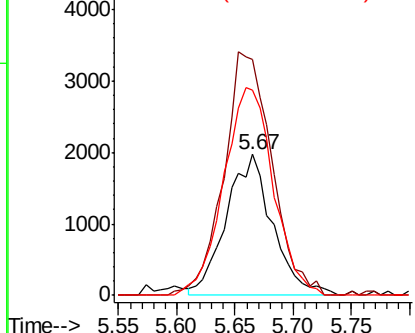
#31
Cyclohexane
Concen: 0.974 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009037.D
Acq: 18 Apr 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
KY063MW003-190410DL

Tot Ion: 56 Resp: 5470
Ion Ratio Lower Upper
56 100
69 167.2 23.3 34.9#
84 146.1 61.7 92.5#

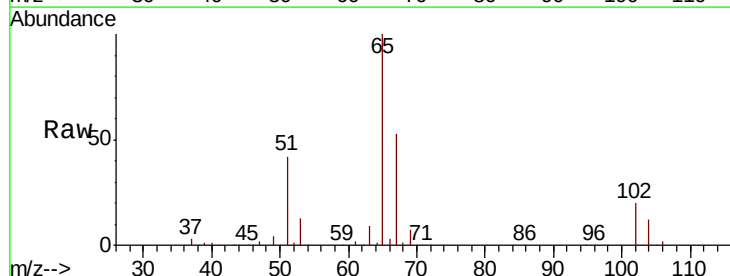


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

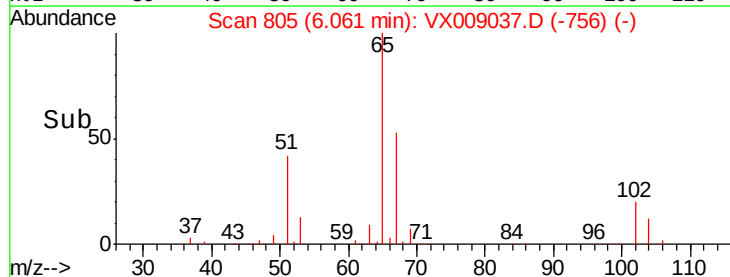
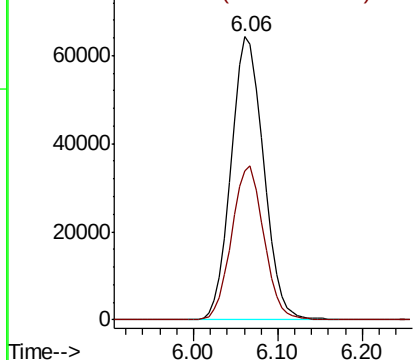


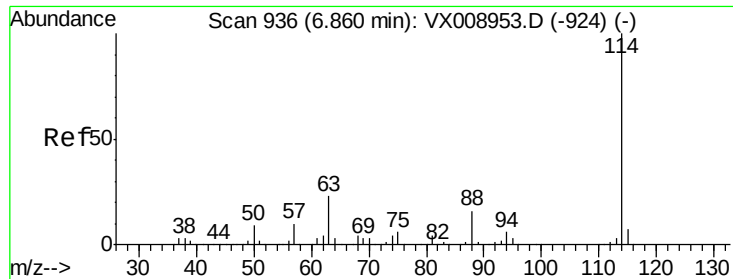
#33
1,2-Dichloroethane-d4
Concen: 47.726 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009037.D
Acq: 18 Apr 2019 12:37

Tgt Ion: 65 Resp: 168353
Ion Ratio Lower Upper
65 100
67 53.9 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

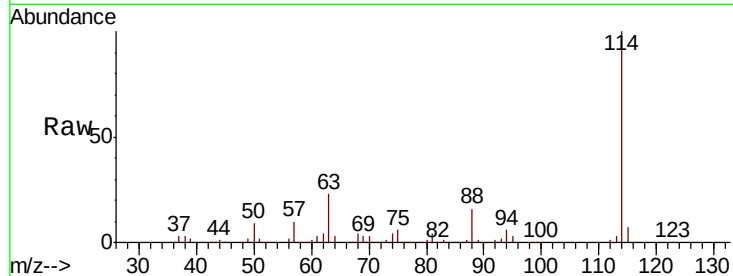




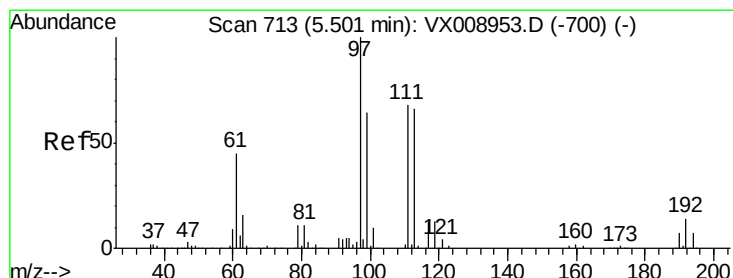
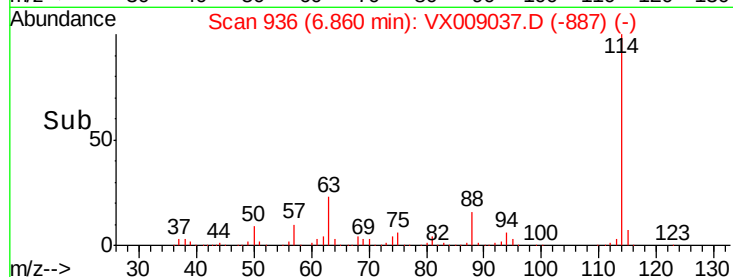
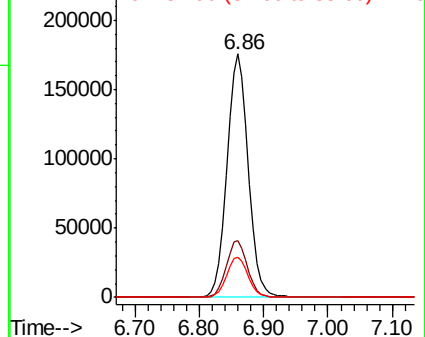
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009037.D
 Acq: 18 Apr 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 KY063MW003-190410DL

Tot Ion:114 Resp: 408923
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 46.0
 88 16.5 0.0 32.6

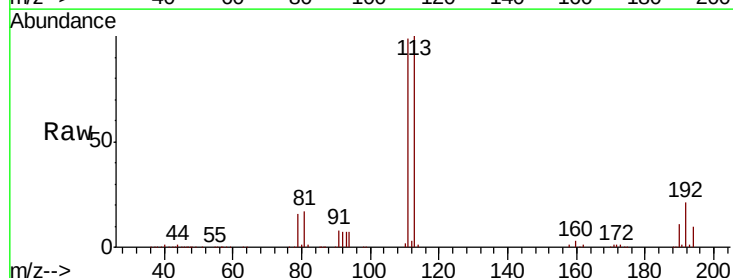


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

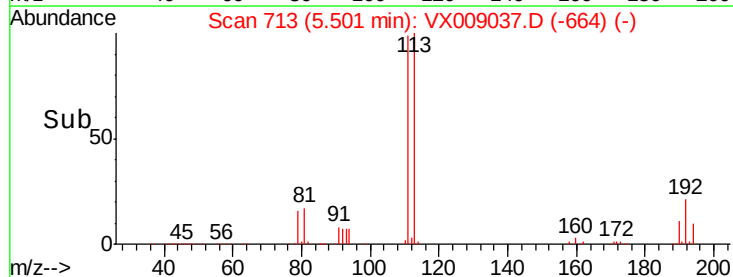
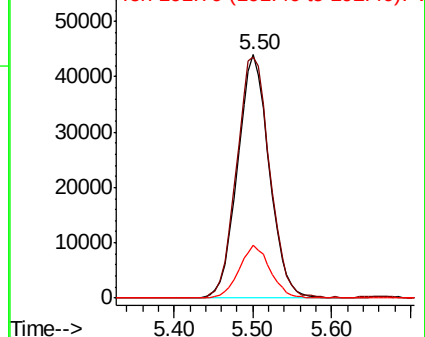


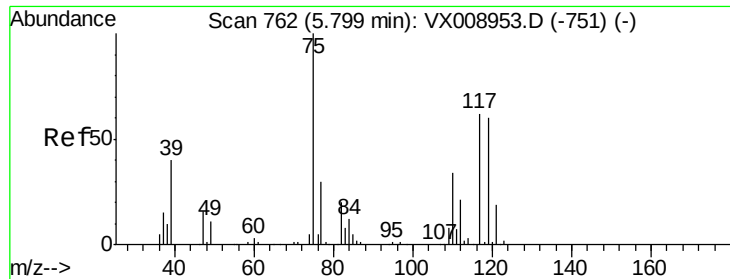
#35
 Dibromofluoromethane
 Concen: 46.853 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009037.D
 Acq: 18 Apr 2019 12:37

Tgt Ion:113 Resp: 122960
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.9 124.3
 192 21.1 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

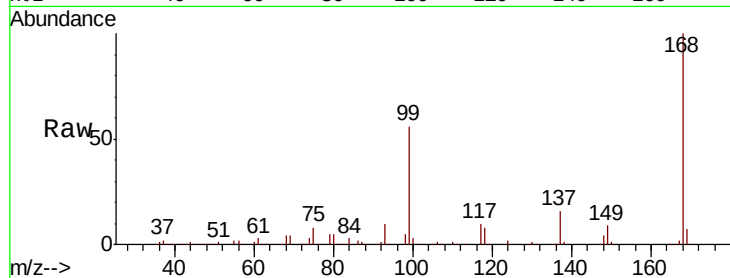




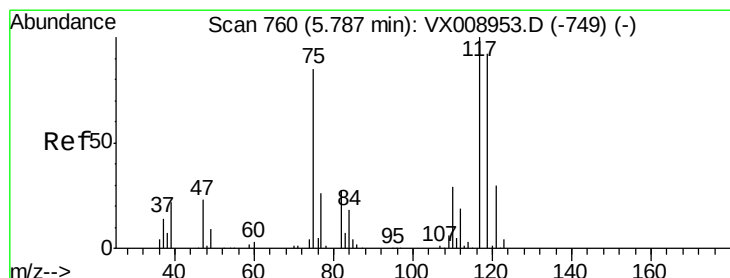
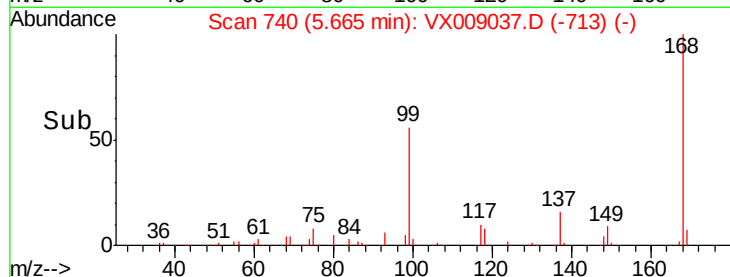
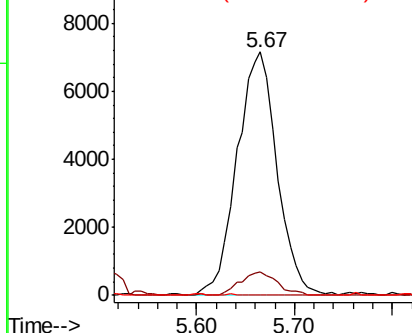
#36
 1,1-Dichloropropene
 Concen: 4.794 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009037.D
 Acq: 18 Apr 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 KY063MW003-190410DL

Tot Ion	75	Resp	20273
Ion Ratio	100	Lower	Upper
110	8.9	16.9	50.7#
77	0.0	25.0	37.4#

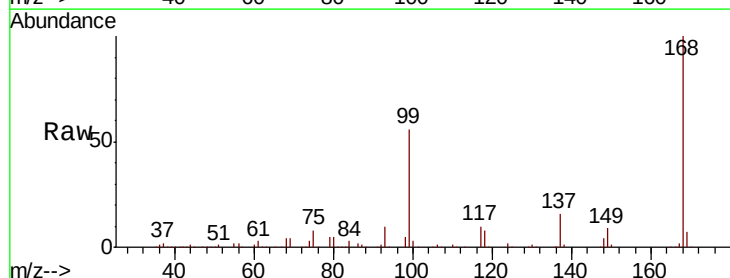


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

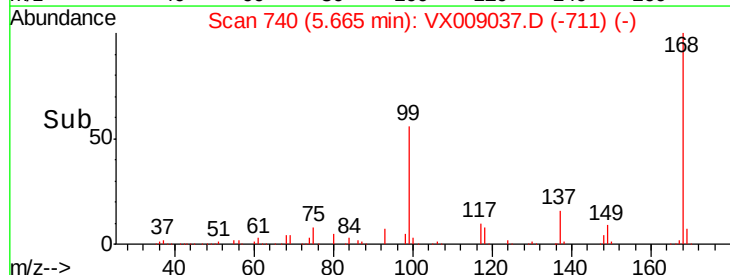
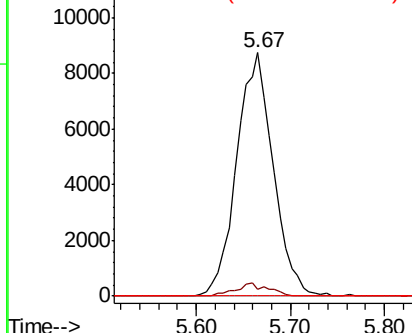


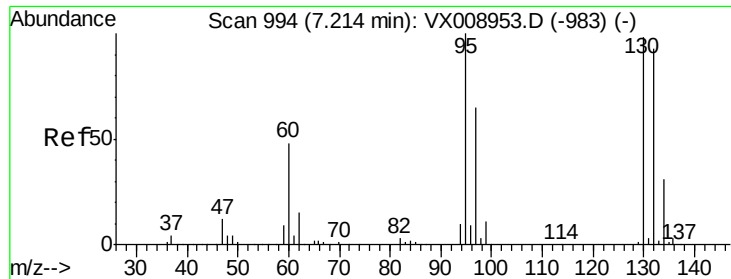
#38
 Carbon Tetrachloride
 Concen: 6.605 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009037.D
 Acq: 18 Apr 2019 12:37

Tgt Ion	117	Resp	23682
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	3.0	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





#44

Trichloroethene

Concen: 8.597 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009037.D

Acq: 18 Apr 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

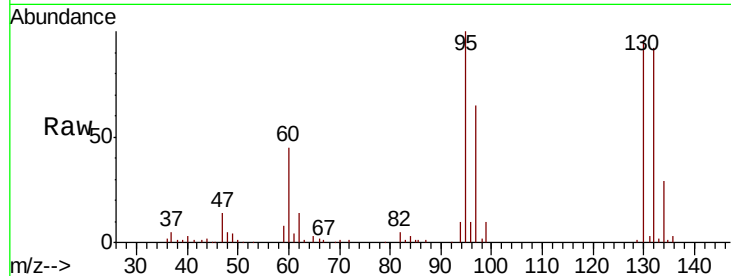
KY063MW003-190410DL

Tot Ion:130 Resp: 26280

Ion Ratio Lower Upper

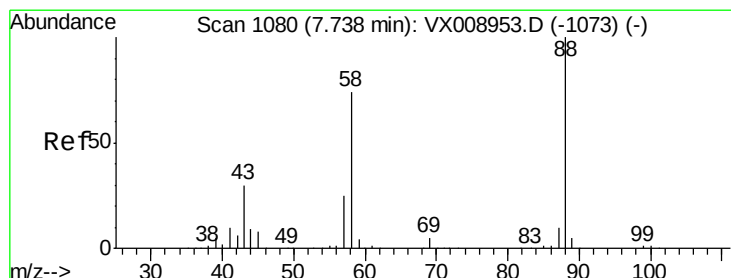
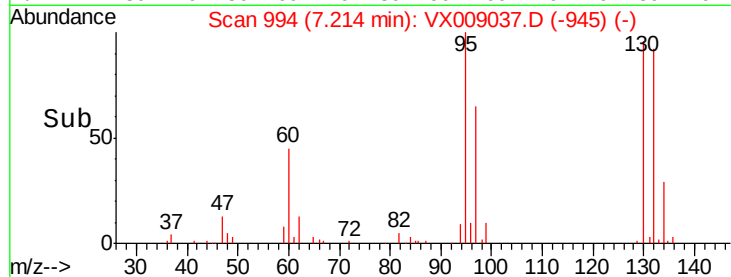
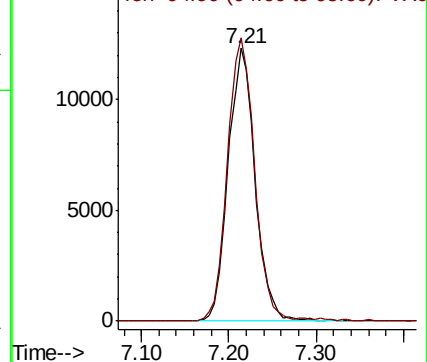
130 100

95 103.7 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.247 ug/l

RT: 7.91 min Scan# 1109

Delta R.T. 0.18 min

Lab File: VX009037.D

Acq: 18 Apr 2019 12:37

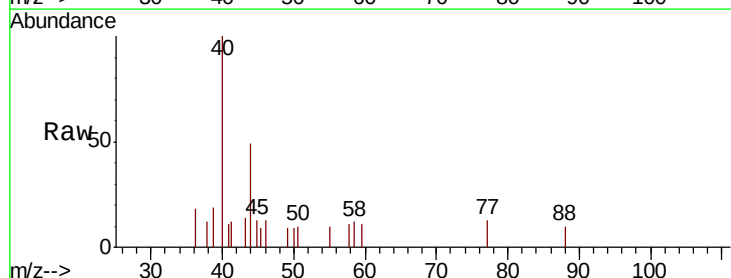
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 640.0 29.3 43.9#

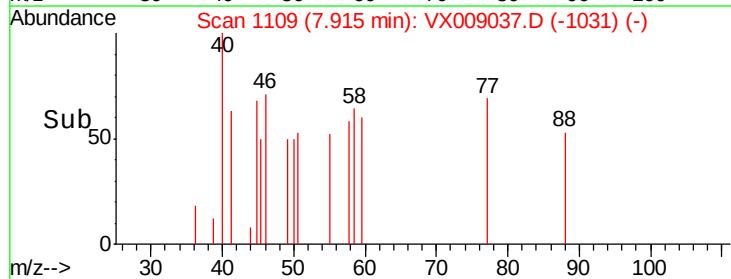
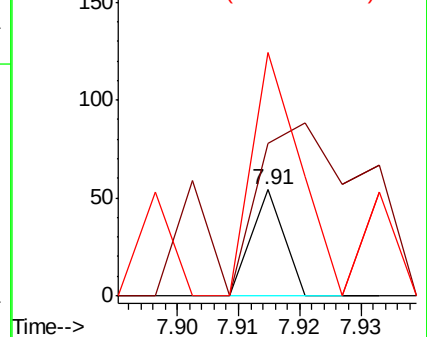
58 435.0 62.6 93.8#

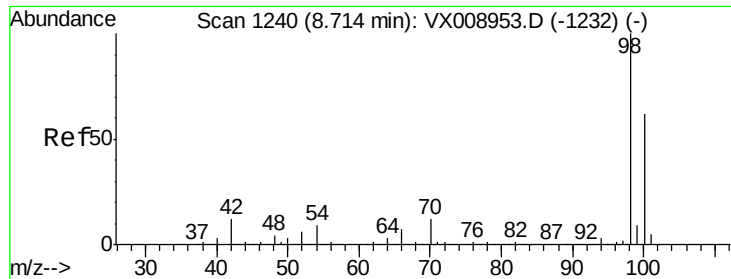


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

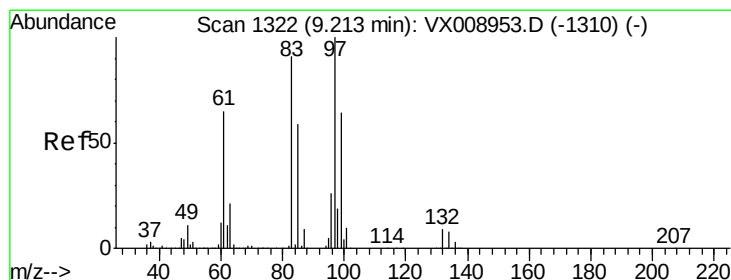
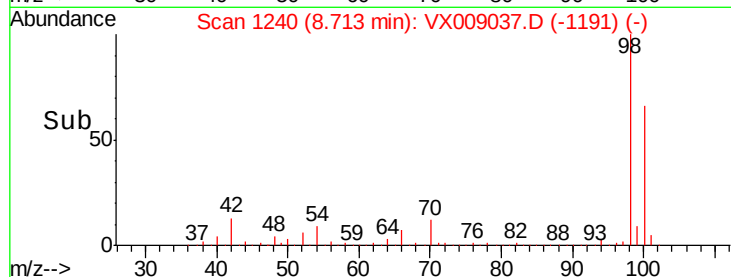
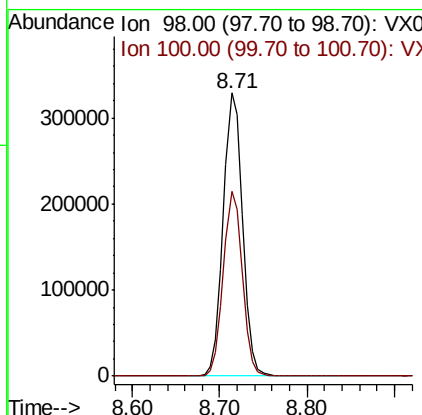
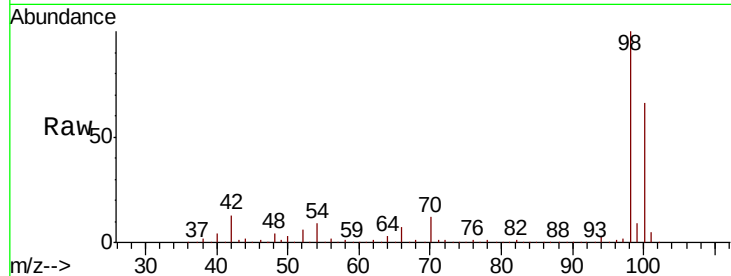




#50
Toluene-d8
Concen: 47.971 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009037.D
Acq: 18 Apr 2019 12:37

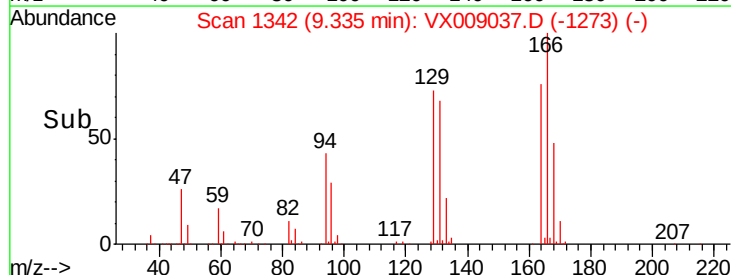
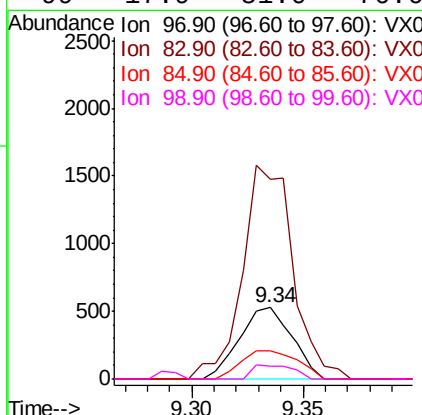
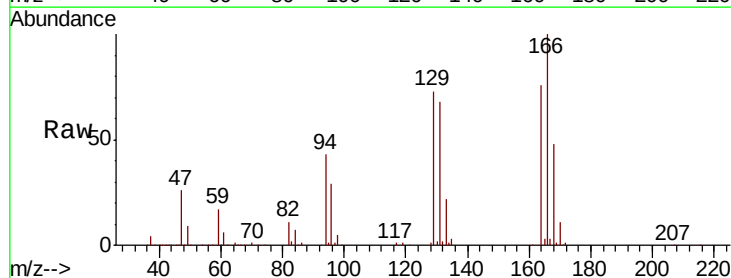
Instrument :
MSVOA_X
ClientSampleId :
KY063MW003-190410DL

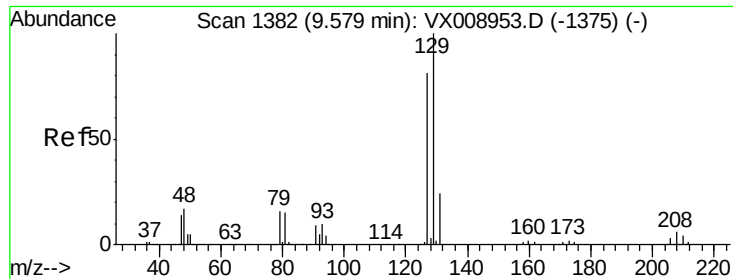
Tot Ion: 98 Resp: 502071
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.2



#55
1,1,2-Trichloroethane
Concen: 0.293 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.12 min
Lab File: VX009037.D
Acq: 18 Apr 2019 12:37

Tgt Ion: 97 Resp: 867
Ion Ratio Lower Upper
97 100
83 281.0 72.6 108.8#
85 39.4 46.9 70.3#
99 17.9 51.0 76.6#

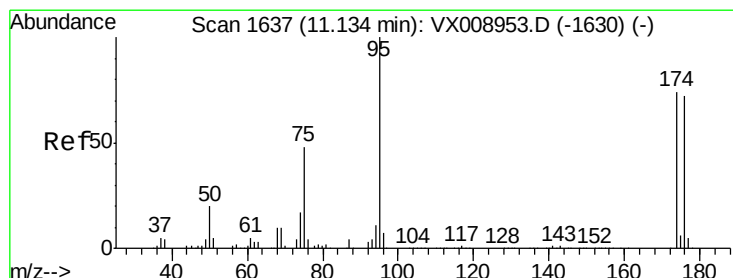
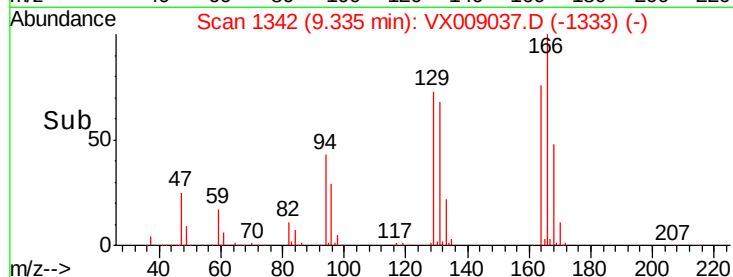
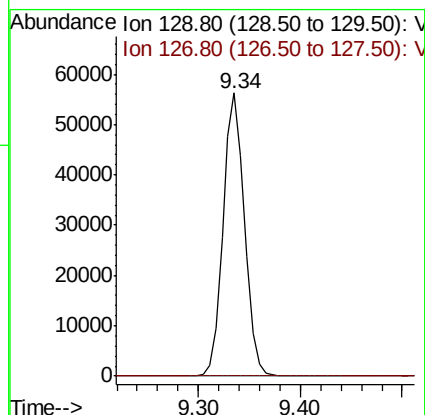
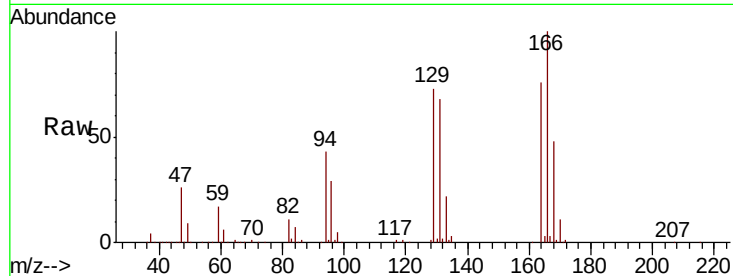




#60
 Dibromochloromethane
 Concen: 28.796 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX009037.D
 Acq: 18 Apr 2019 12:37

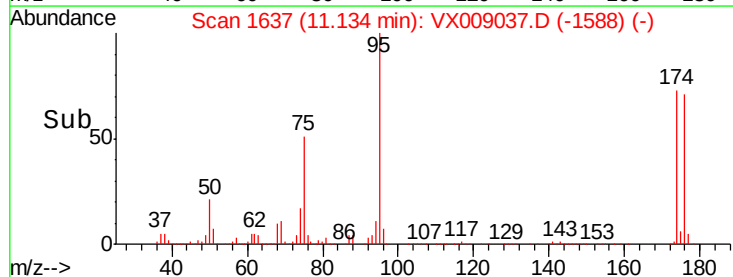
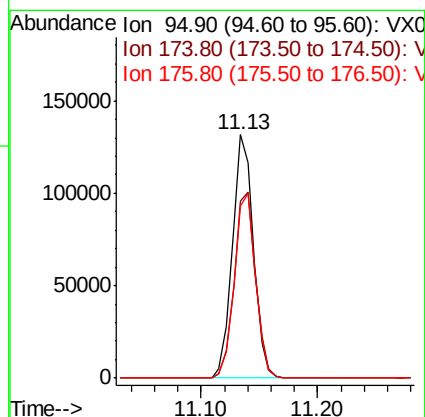
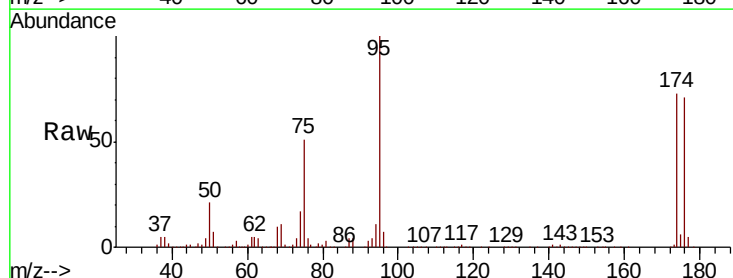
Instrument :
 MSVOA_X
 ClientSampleId :
 KY063MW003-190410DL

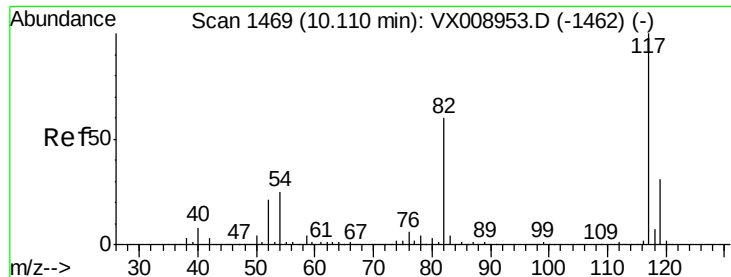
Tot Ion:129 Resp: 81786
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.1 117.2#



#62
 4-Bromofluorobenzene
 Concen: 44.810 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009037.D
 Acq: 18 Apr 2019 12:37

Tgt Ion: 95 Resp: 165553
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 159.6
 176 76.8 0.0 154.8

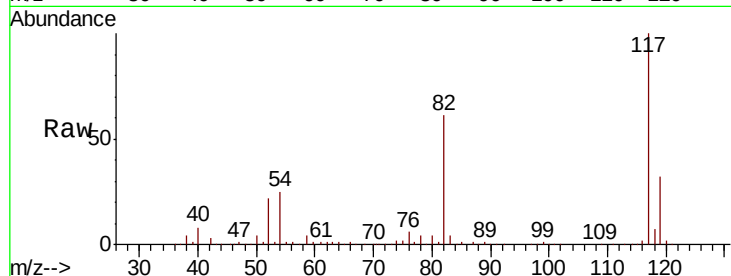




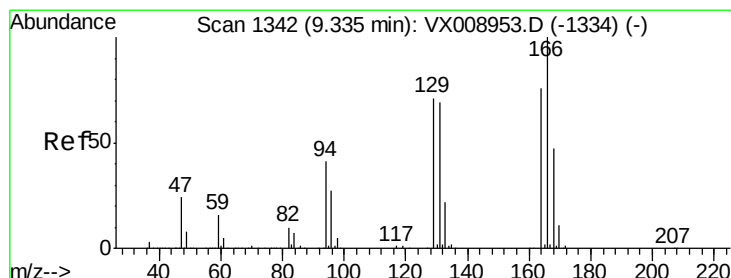
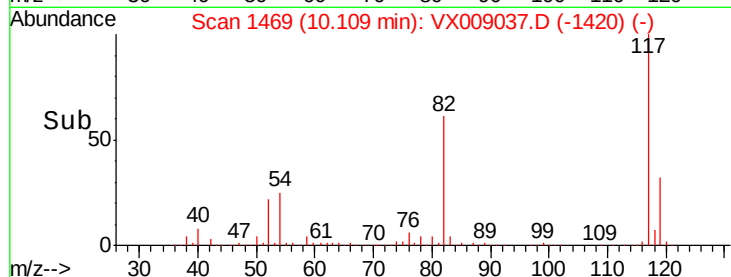
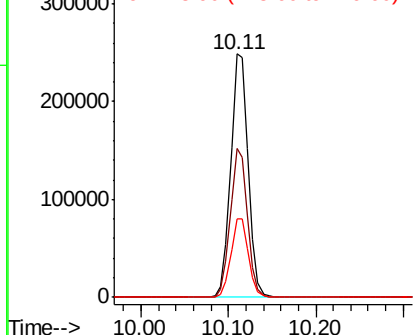
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009037.D
Acq: 18 Apr 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
KY063MW003-190410DL

Tot Ion:117 Resp: 348013
Ion Ratio Lower Upper
117 100
82 61.2 48.2 72.4
119 32.1 25.0 37.6



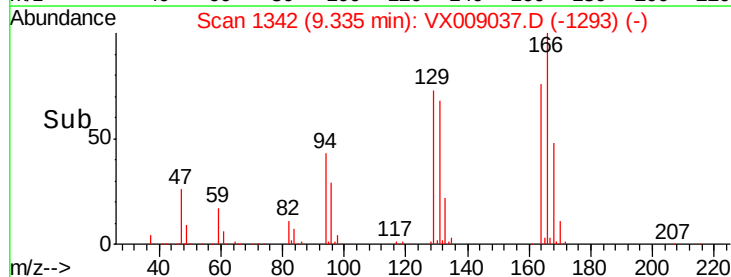
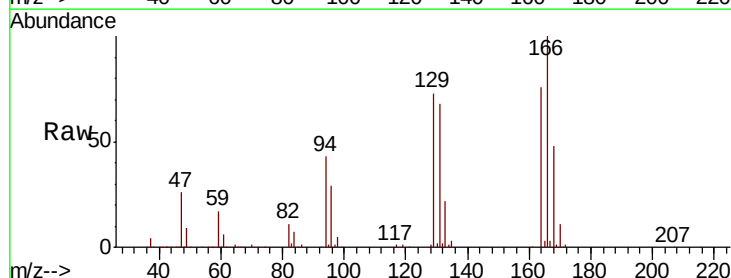
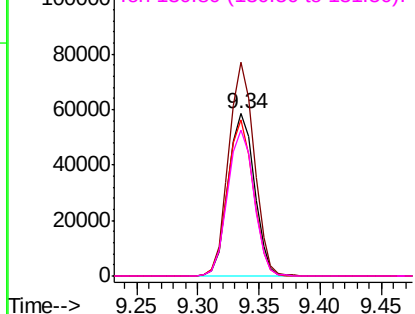
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

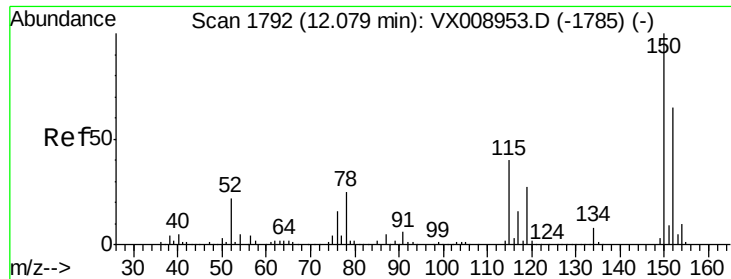


#64
Tetrachloroethene
Concen: 32.852 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009037.D
Acq: 18 Apr 2019 12:37

Tgt Ion:164 Resp: 86853
Ion Ratio Lower Upper
164 100
166 131.5 105.0 157.4
129 96.0 74.2 111.4
131 90.0 72.2 108.2

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



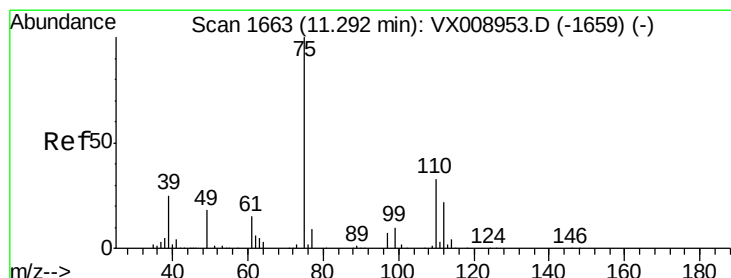
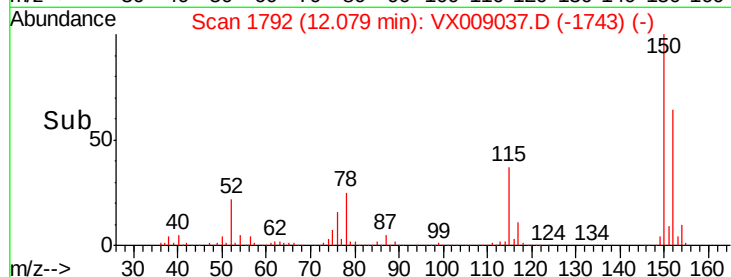
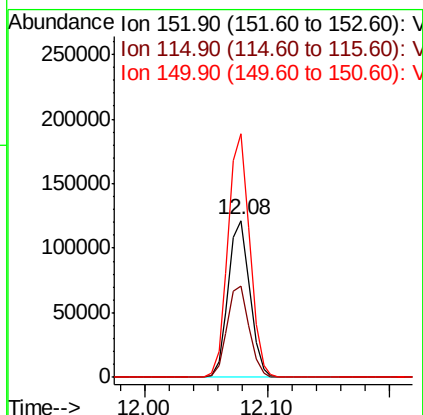
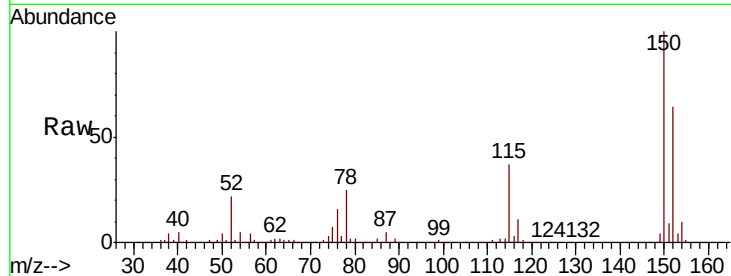


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009037.D
Acq: 18 Apr 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
KY063MW003-190410DL

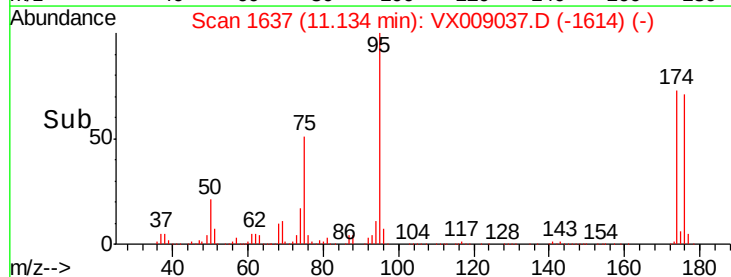
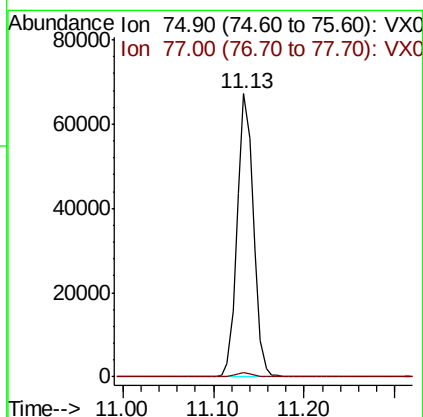
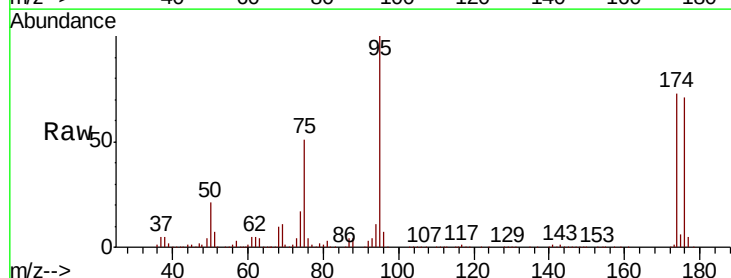
Tot Ion:152 Resp: 148304
Ion Ratio Lower Upper
152 100
115 59.3 41.4 124.2
150 155.7 0.0 349.8

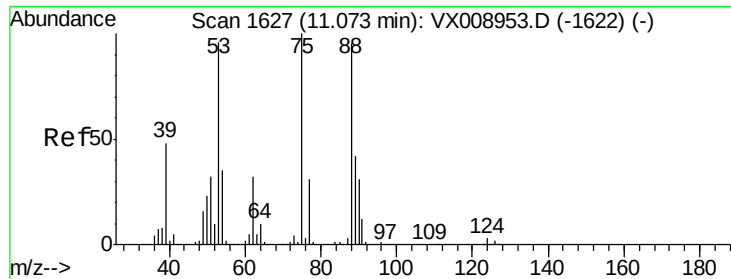


#76

1,2,3-Trichloropropane
Concen: 23.151 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009037.D
Acq: 18 Apr 2019 12:37

Tgt Ion: 75 Resp: 83835
Ion Ratio Lower Upper
75 100
77 1.4 22.7 68.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 59.434 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009037.D

Acq: 18 Apr 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

KY063MW003-190410DL

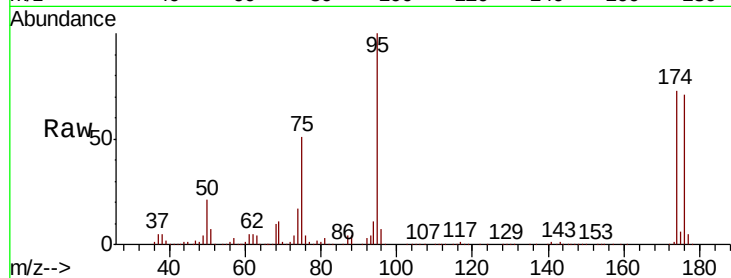
Tot Ion: 75 Resp: 83835

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#



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

