

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041619\
 Data File : VX008985.D
 Acq On : 16 Apr 2019 14:18
 Operator : JC/SP
 Sample : K2387-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW145-190410

Quant Time: Apr 17 04:17:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 09:35:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	259278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	415720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	363833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157564	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	168546	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
35) Dibromofluoromethane	5.50	113	123310	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	
50) Toluene-d8	8.71	98	520619	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	11.13	95	178051	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	

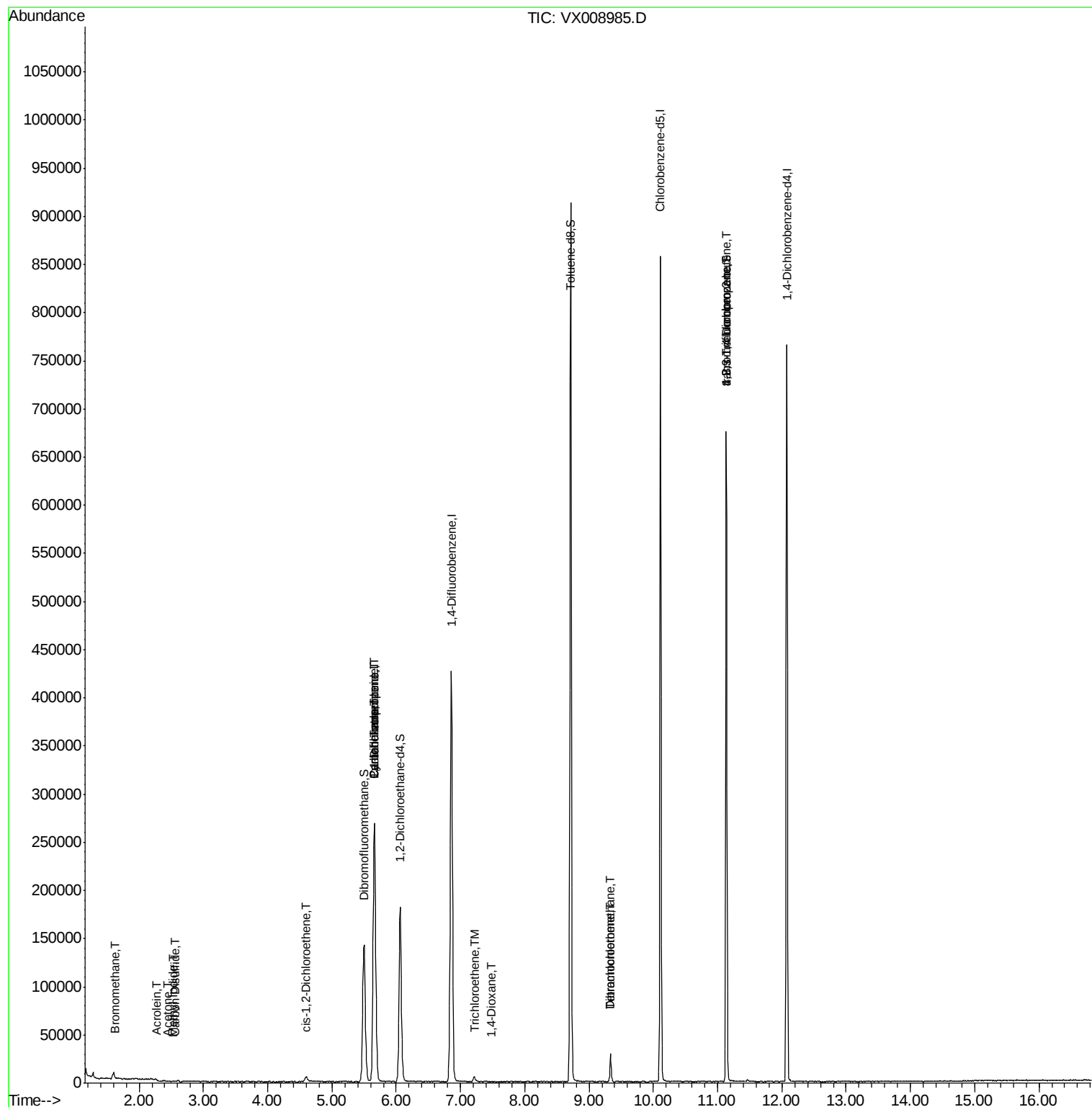
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	187	3.926	ug/l #	16
10) Methyl Iodide	2.53	142	84	4.441	ug/l #	42
13) Acrolein	2.28	56	240	0.342	ug/l #	43
16) Acetone	2.44	43	639	0.337	ug/l #	70
17) Carbon Disulfide	2.57	76	444	1.306	ug/l #	33
27) cis-1,2-Dichloroethene	4.60	96	2931	0.870	ug/l	91
28) Bromochloromethane	5.05	49	44	Below Cal	#	21
31) Cyclohexane	5.66	56	5572	0.957	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20803	4.839	ug/l #	46
38) Carbon Tetrachloride	5.67	117	24914	6.835	ug/l #	18
44) Trichloroethene	7.22	130	1870	0.602	ug/l	74
49) 1,4-Dioxane	7.49	88	88	1.067	ug/l #	36
60) Dibromochloromethane	9.34	129	5033	1.743	ug/l #	10
64) Tetrachloroethene	9.34	164	5513	1.995	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	89557	23.277	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	89557	59.759	ug/l #	11

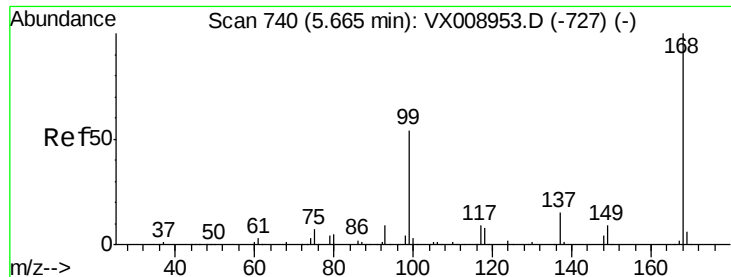
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 16 09:35:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008985.D

Acq: 16 Apr 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

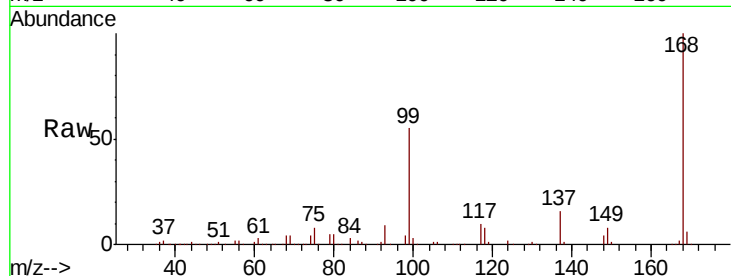
KY062MW145-190410

Tot Ion:168 Resp: 259278

Ion Ratio Lower Upper

168 100

99 55.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

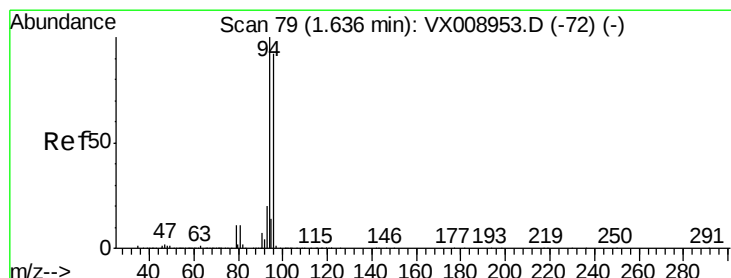
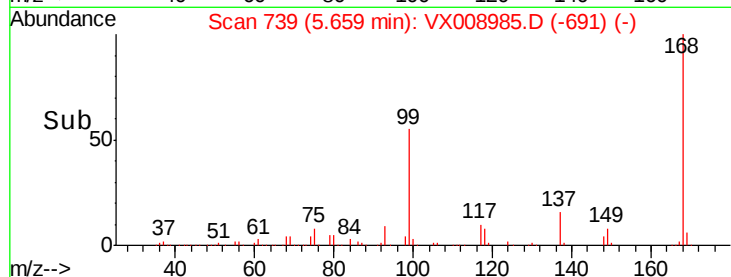
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 3.926 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008985.D

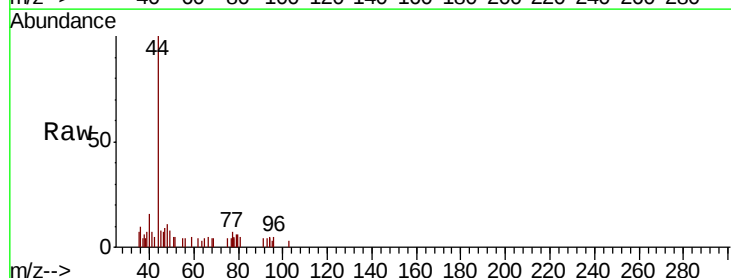
Acq: 16 Apr 2019 14:18

Tgt Ion: 94 Resp: 187

Ion Ratio Lower Upper

94 100

96 12.5 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150

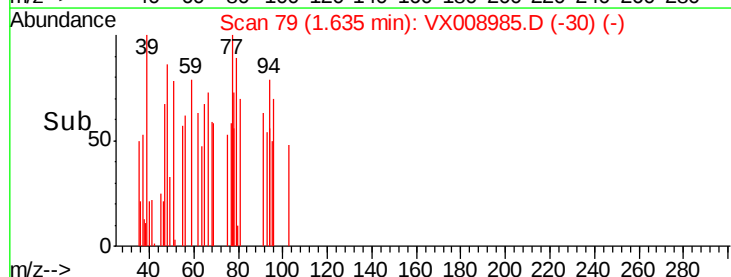
100

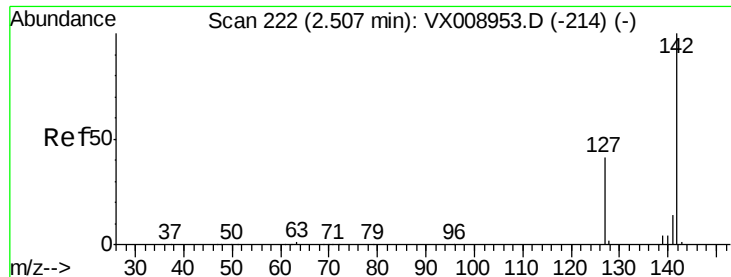
50

0

Time-->

1.62 1.64 1.66

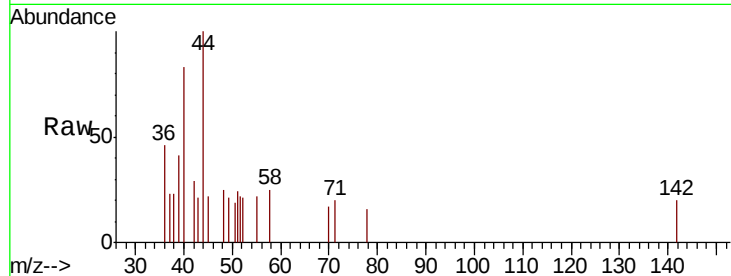




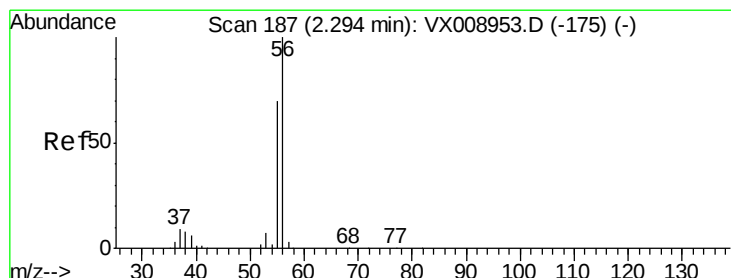
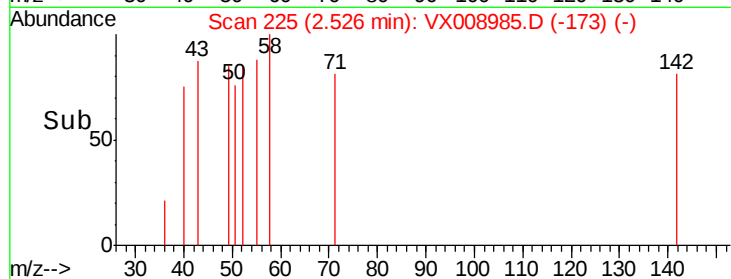
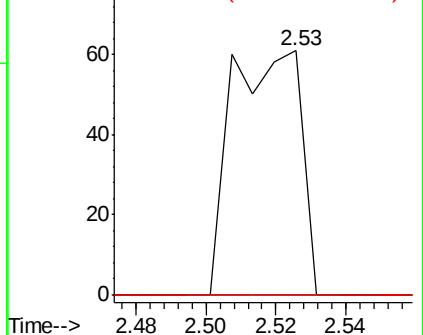
#10
Methyl Iodide
Concen: 4.441 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX008985.D
Acq: 16 Apr 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
KY062MW145-190410

Tot Ion:142 Resp: 84
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#

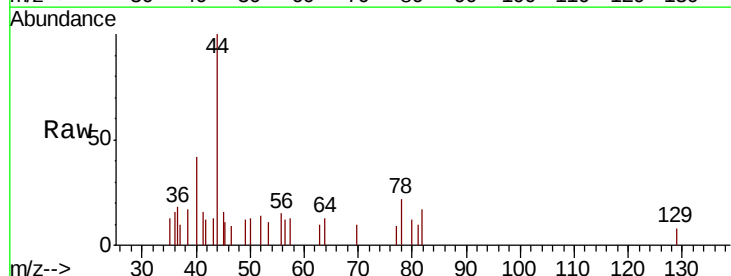


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

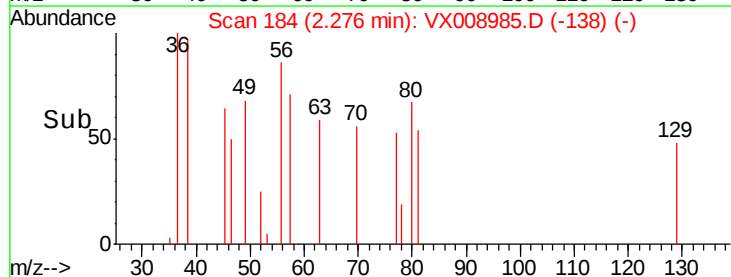
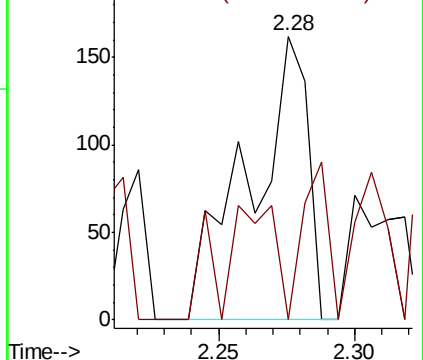


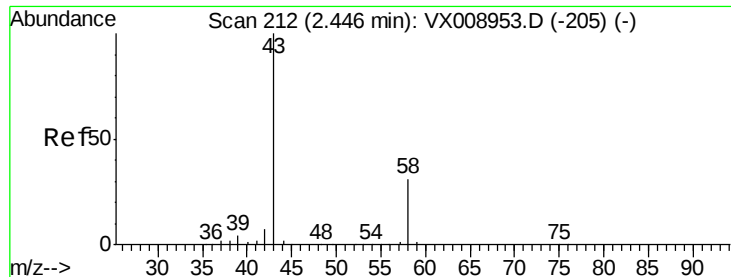
#13
Acrolein
Concen: 0.342 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.02 min
Lab File: VX008985.D
Acq: 16 Apr 2019 14:18

Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 23.8 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: 0.337 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008985.D

Acq: 16 Apr 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

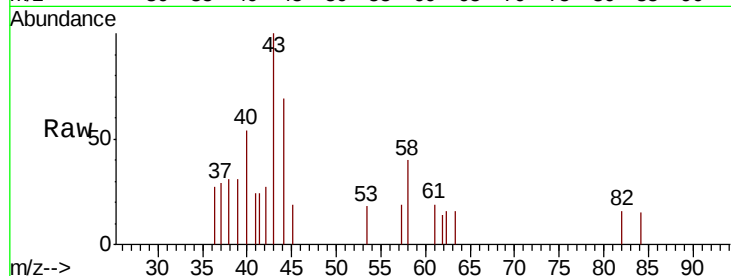
KY062MW145-190410

Tot Ion: 43 Resp: 639

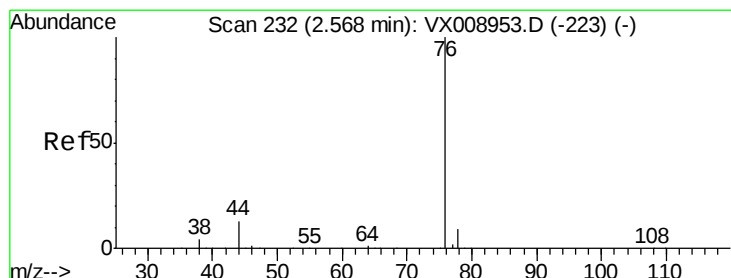
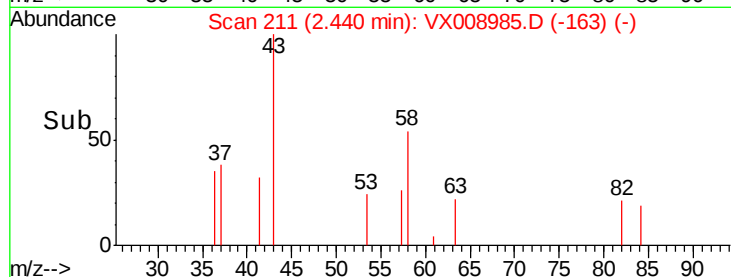
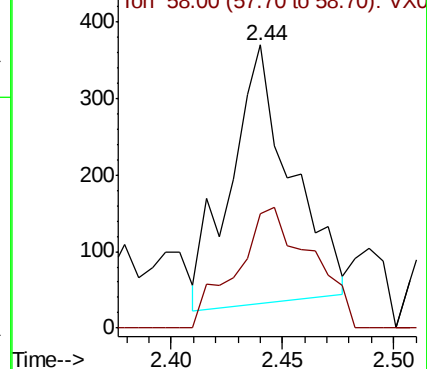
Ion Ratio Lower Upper

43 100

58 47.6 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#17

Carbon Disulfide

Concen: 1.306 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008985.D

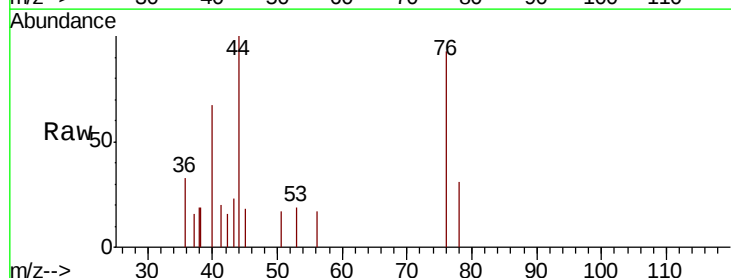
Acq: 16 Apr 2019 14:18

Tgt Ion: 76 Resp: 444

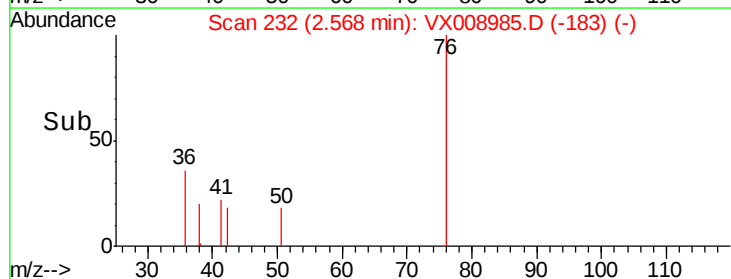
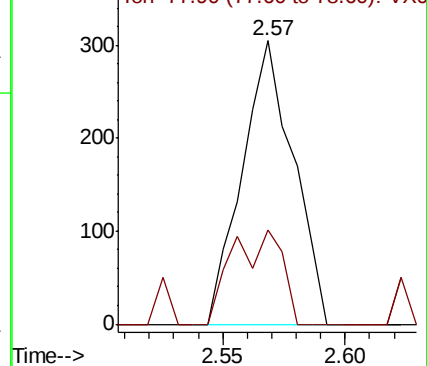
Ion Ratio Lower Upper

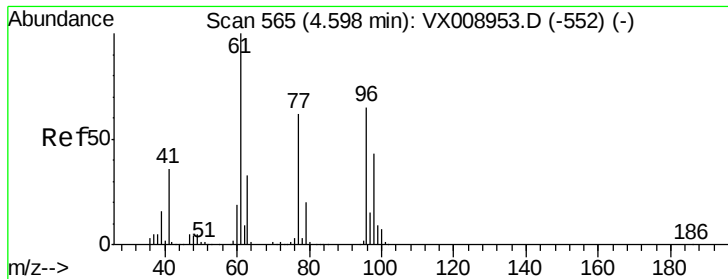
76 100

78 33.1 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0



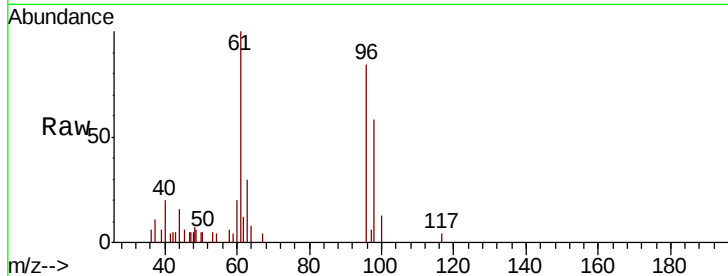


#27

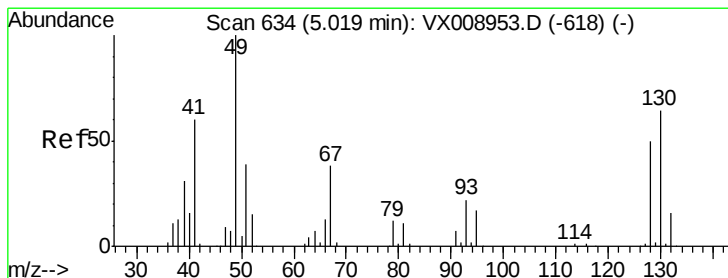
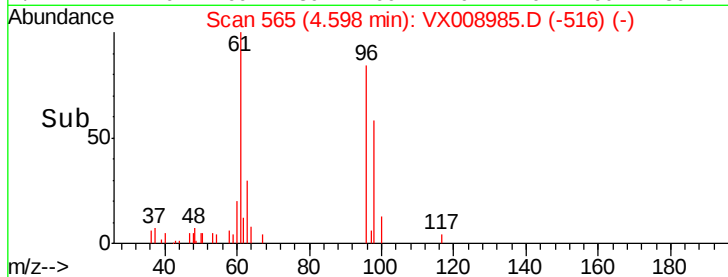
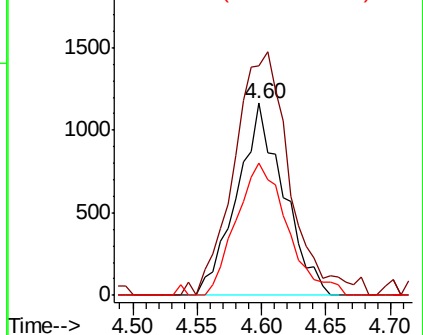
cis-1,2-Dichloroethene
 Concen: 0.870 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008985.D
 Acq: 16 Apr 2019 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW145-190410

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.9	0.0	322.0
98	75.2	0.0	128.4



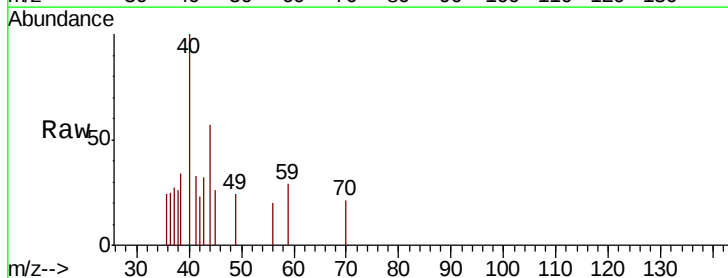
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



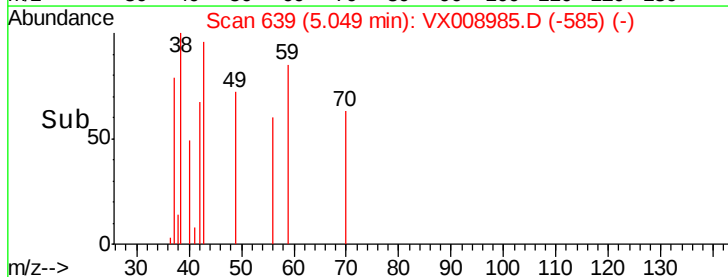
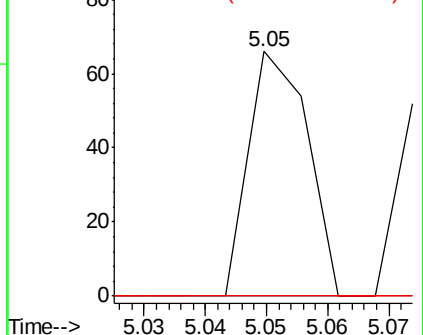
#28

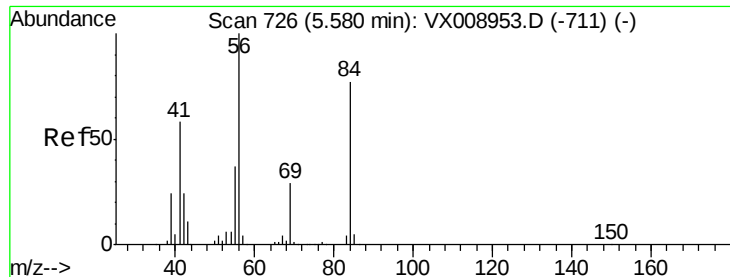
Bromochloromethane
 Concen: Below Cal
 RT: 5.05 min Scan# 639
 Delta R.T. 0.03 min
 Lab File: VX008985.D
 Acq: 16 Apr 2019 14:18

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

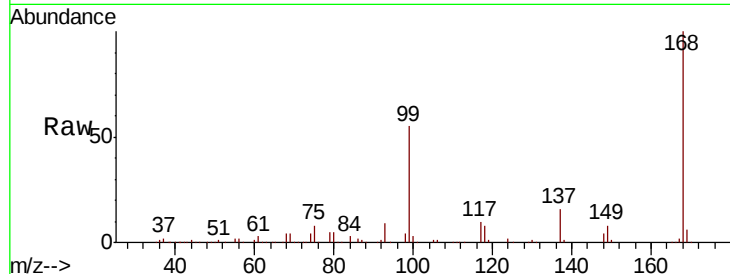




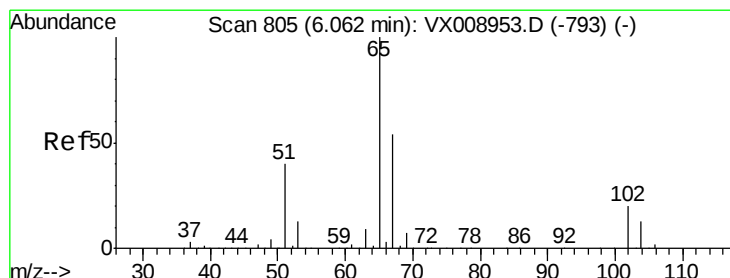
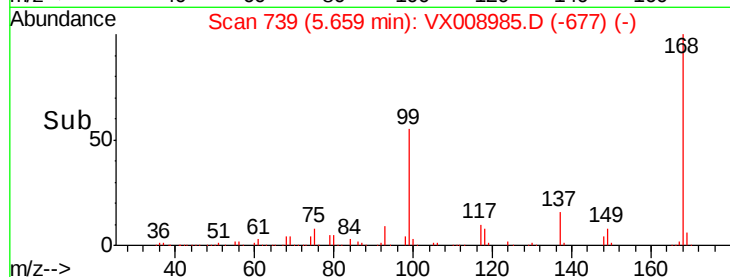
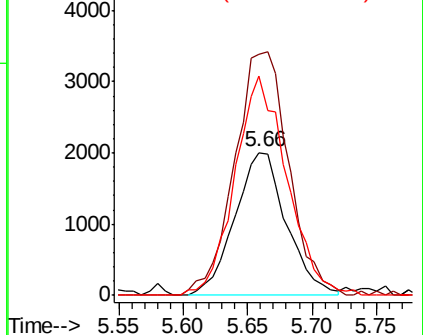
#31
Cyclohexane
Concen: 0.957 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008985.D
Acq: 16 Apr 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
KY062MW145-190410

Tot Ion: 56 Resp: 5572
Ion Ratio Lower Upper
56 100
69 164.6 23.3 34.9#
84 150.0 61.7 92.5#

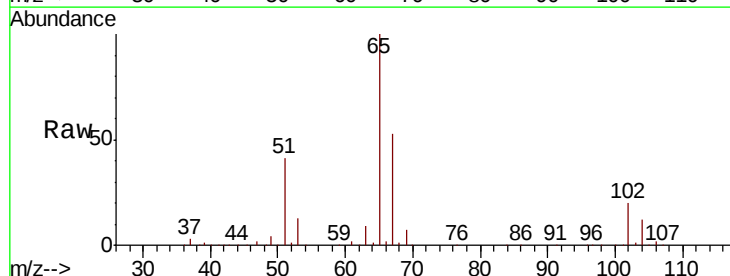


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

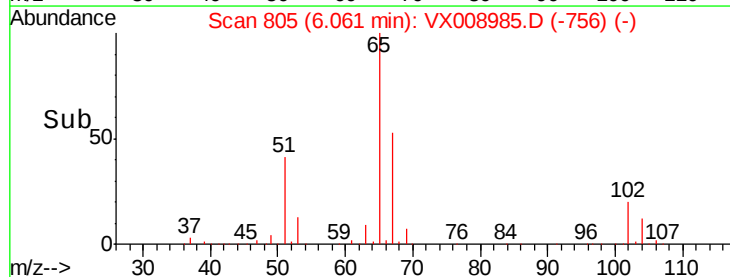
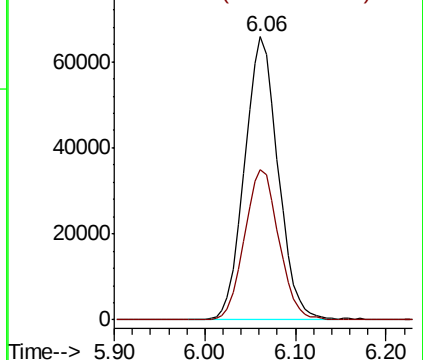


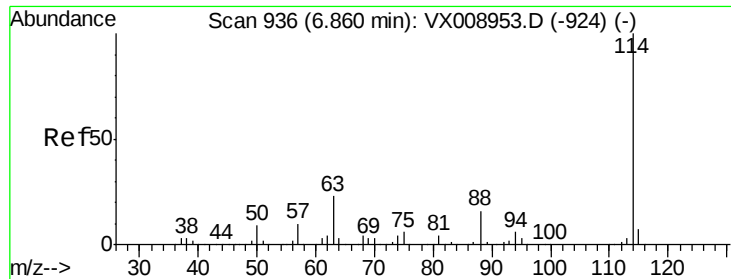
#33
1,2-Dichloroethane-d4
Concen: 46.127 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008985.D
Acq: 16 Apr 2019 14:18

Tgt Ion: 65 Resp: 168546
Ion Ratio Lower Upper
65 100
67 54.2 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: VX008985.D

Acq: 16 Apr 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

KY062MW145-190410

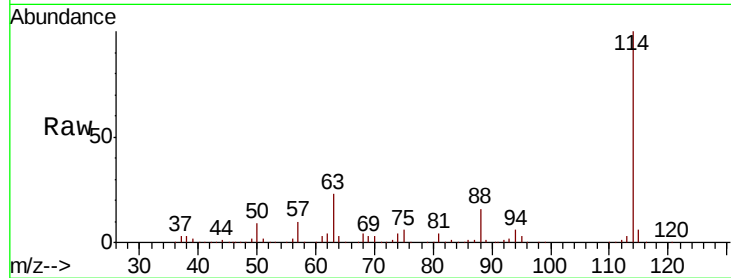
Tot Ion:114 Resp: 415720

Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.0

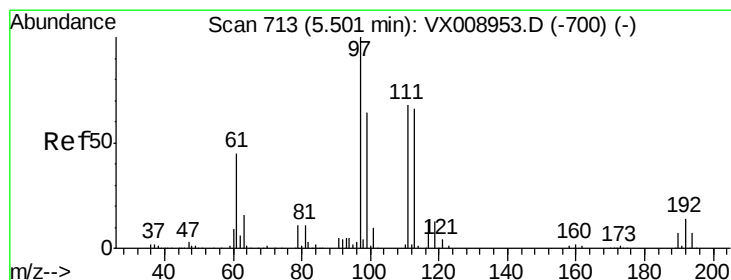
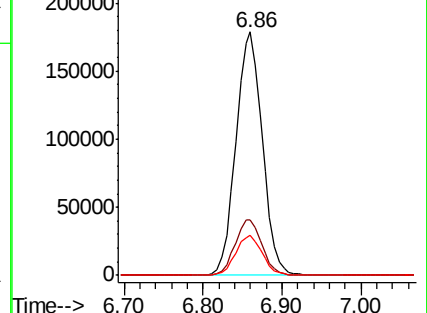
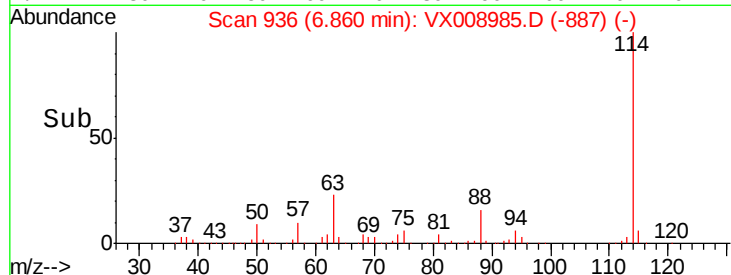
88 16.3 0.0 32.6



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: 46.218 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008985.D

Acq: 16 Apr 2019 14:18

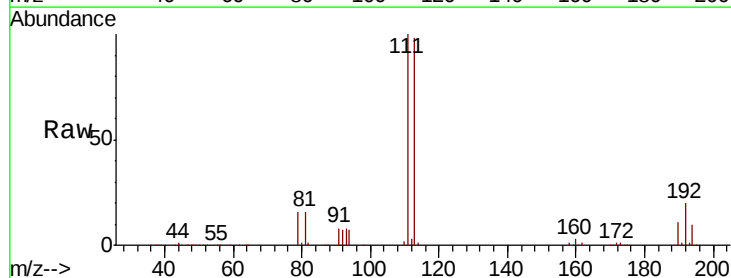
Tgt Ion:113 Resp: 123310

Ion Ratio Lower Upper

113 100

111 103.4 82.9 124.3

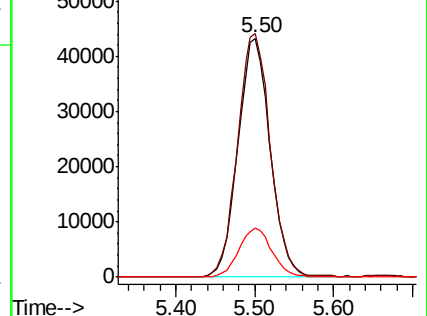
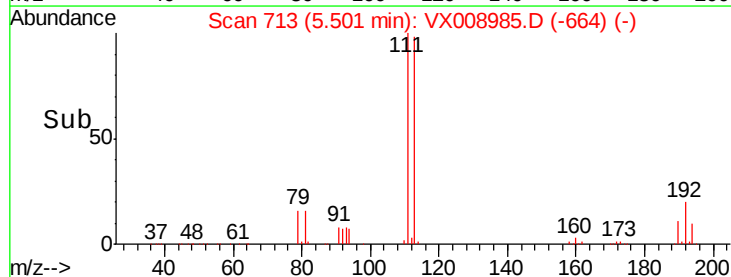
192 21.0 17.4 26.0

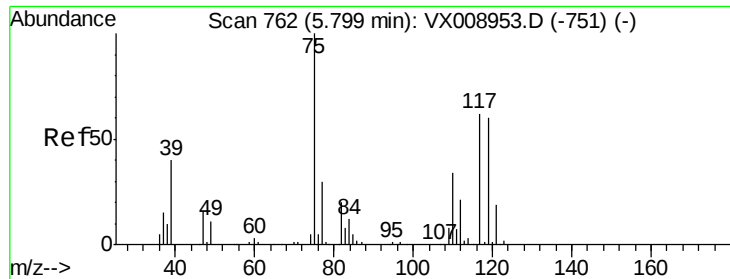


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

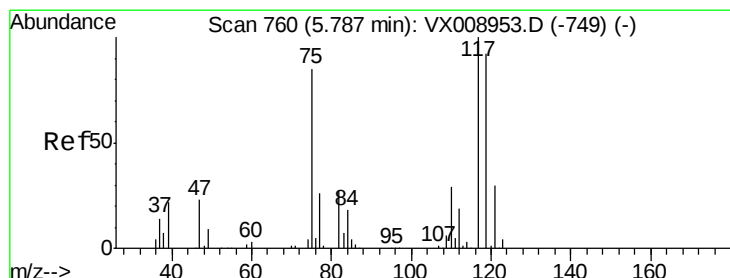
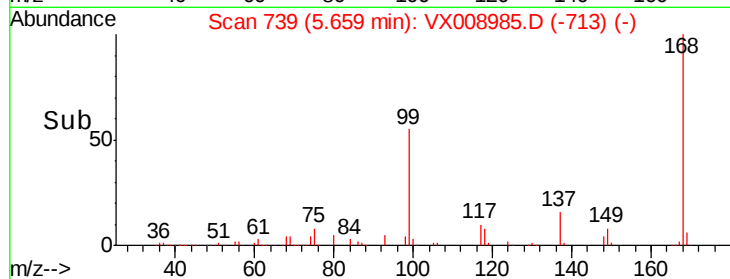
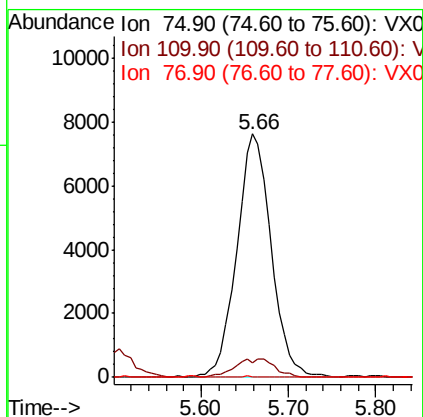
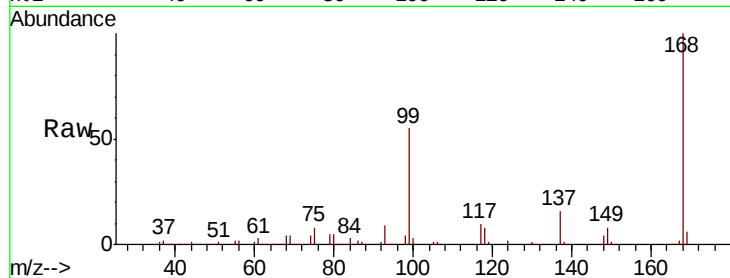




#36
 1,1-Dichloropropene
 Concen: 4.839 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008985.D
 Acq: 16 Apr 2019 14:18

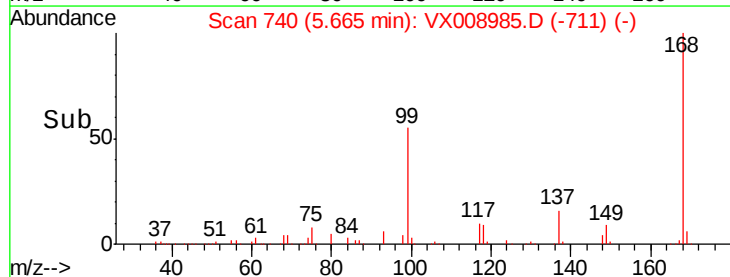
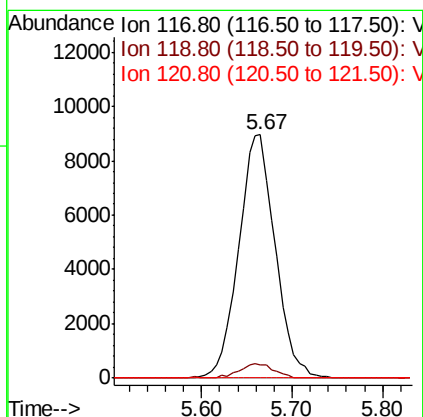
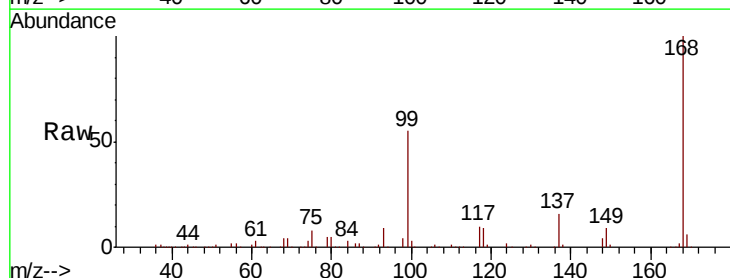
Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW145-190410

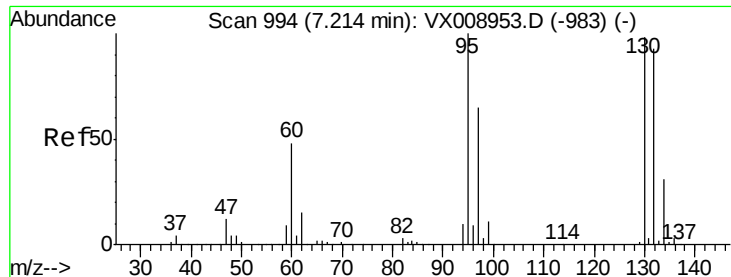
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.5	16.9	50.7#
77	0.1	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.835 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008985.D
 Acq: 16 Apr 2019 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	73.8	110.8#
121	0.0	23.6	35.4#





#44

Trichloroethene

Concen: 0.602 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008985.D

Acq: 16 Apr 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

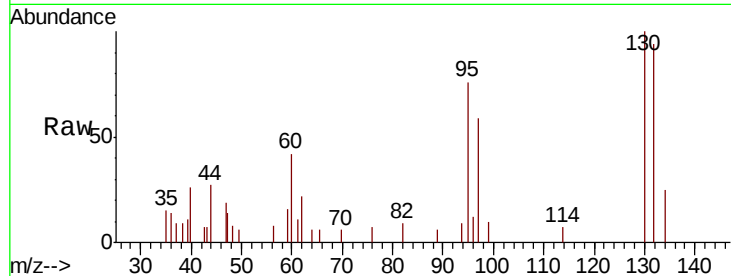
KY062MW145-190410

Tot Ion:130 Resp: 1870

Ion Ratio Lower Upper

130 100

95 75.6 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

800

600

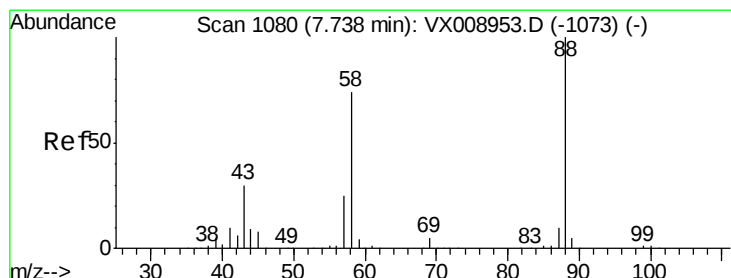
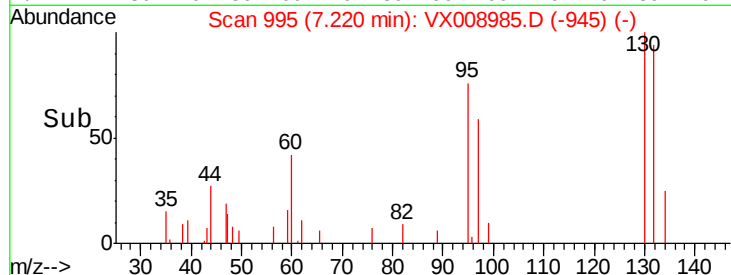
400

200

0

7.15 7.20 7.25

Time-->



#49

1,4-Dioxane

Concen: 1.067 ug/l

RT: 7.49 min Scan# 1039

Delta R.T. -0.25 min

Lab File: VX008985.D

Acq: 16 Apr 2019 14:18

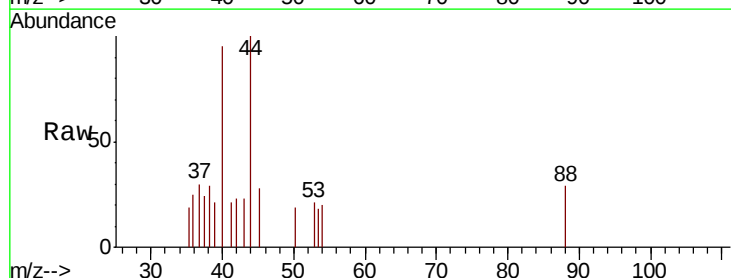
Tgt Ion: 88 Resp: 88

Ion Ratio Lower Upper

88 100

43 0.0 29.3 43.9#

58 21.6 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

200

150

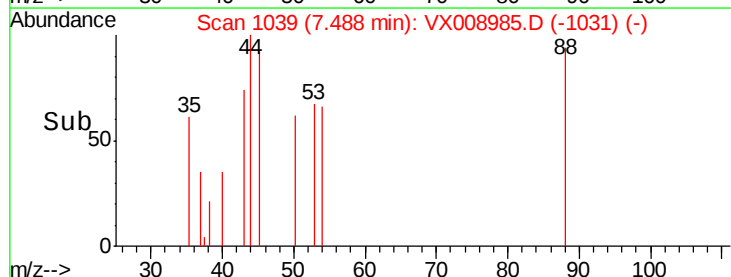
100

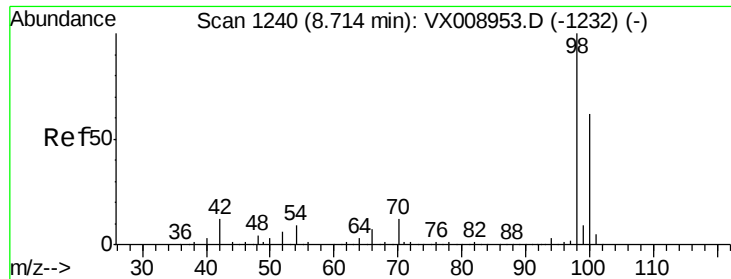
50

0

7.46 7.48 7.50

Time-->





#50

Toluene-d8

Concen: 48.930 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008985.D

Acq: 16 Apr 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

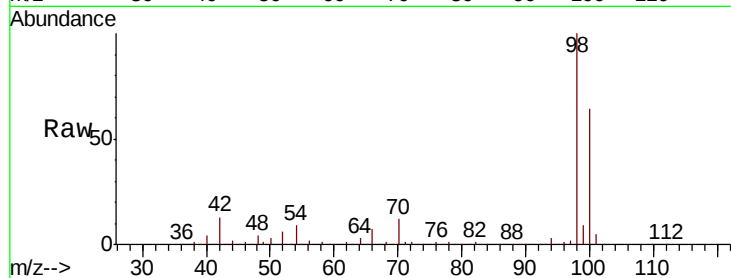
KY062MW145-190410

Tot Ion: 98 Resp: 520619

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

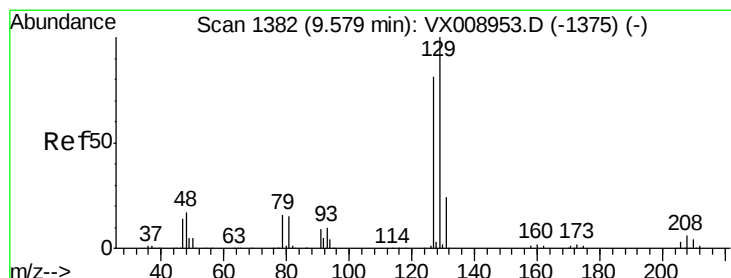
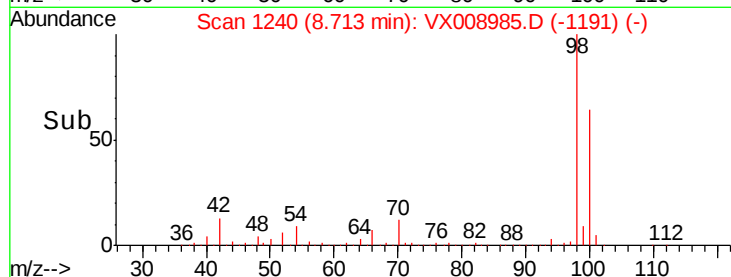
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 1.743 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008985.D

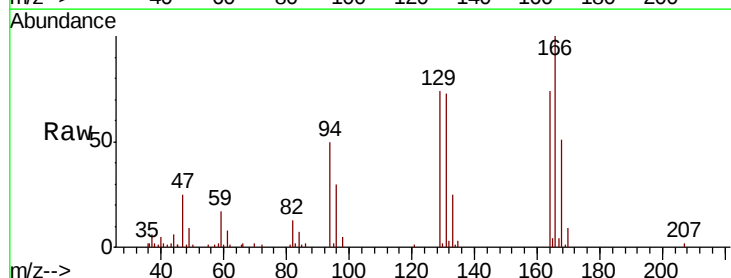
Acq: 16 Apr 2019 14:18

Tgt Ion:129 Resp: 5033

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

4000

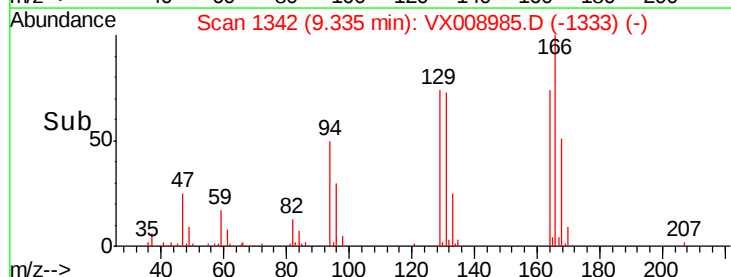
3000

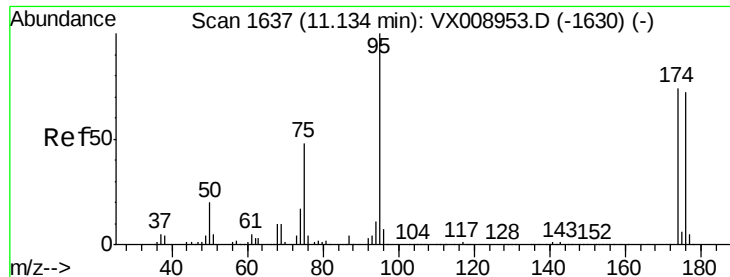
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.405 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008985.D

Acq: 16 Apr 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

KY062MW145-190410

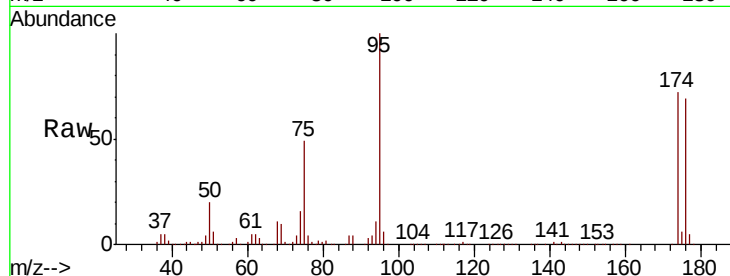
Tot Ion: 95 Resp: 178051

Ion Ratio Lower Upper

95 100

174 78.4 0.0 159.6

176 75.4 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX008985.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008985.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008985.D (-1588) (-)

11.13

150000

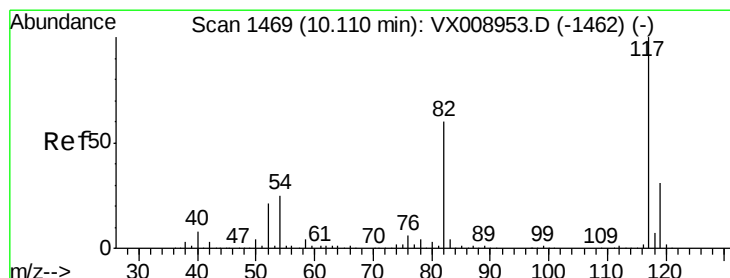
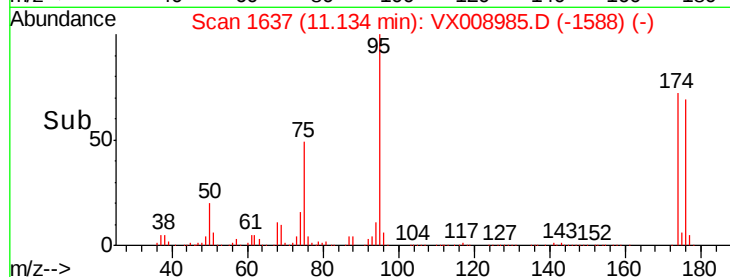
100000

50000

0

Time-->

11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008985.D

Acq: 16 Apr 2019 14:18

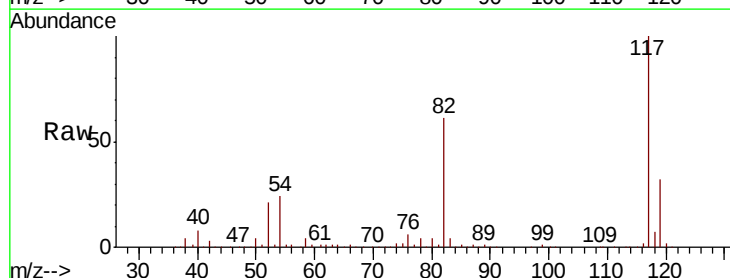
Tgt Ion: 117 Resp: 363833

Ion Ratio Lower Upper

117 100

82 61.0 48.2 72.4

119 32.0 25.0 37.6



Abundance Ion 116.90 (116.60 to 117.60): VX008985.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008985.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008985.D (-1420) (-)

10.11

300000

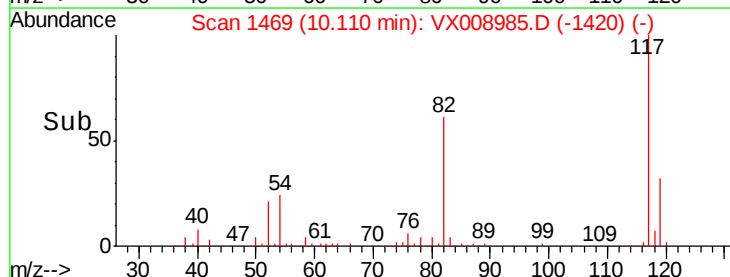
200000

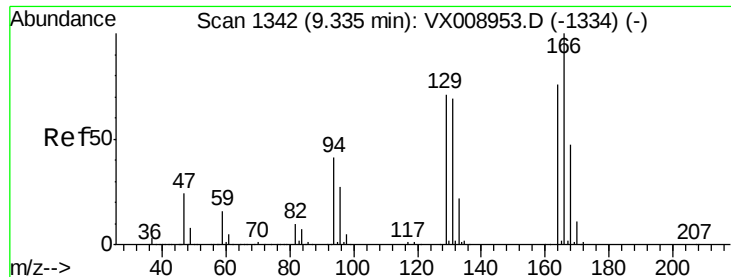
100000

0

Time-->

10.00 10.10 10.20

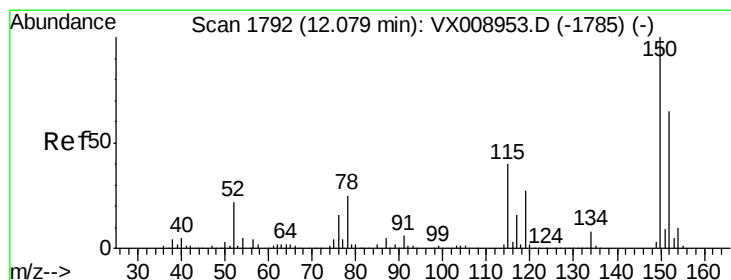
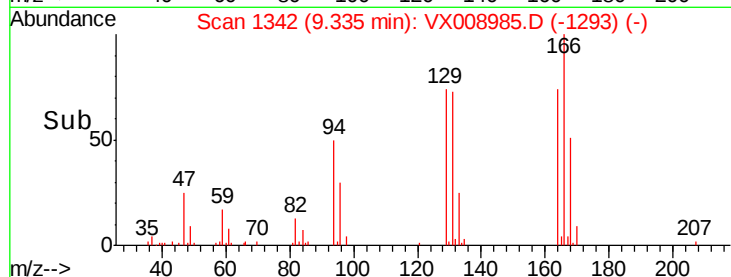
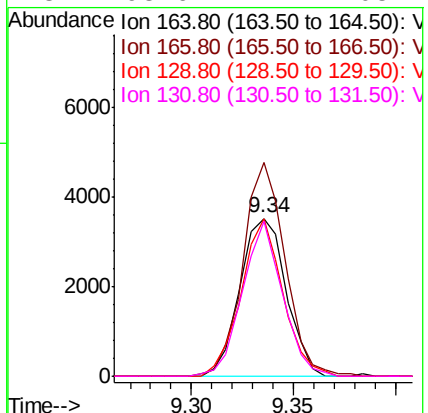
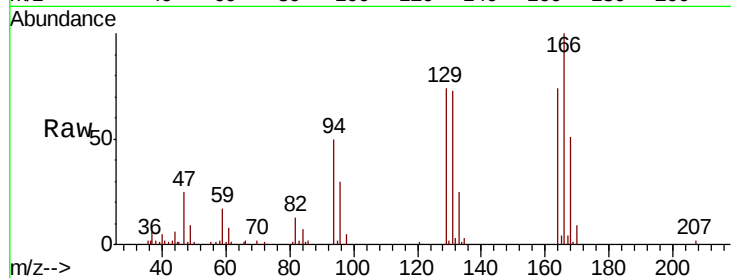




#64
Tetrachloroethene
Concen: 1.995 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008985.D
Acq: 16 Apr 2019 14:18

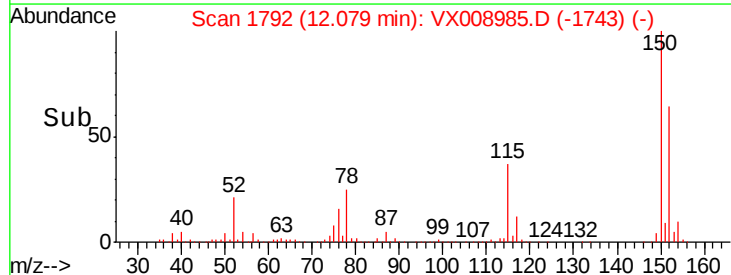
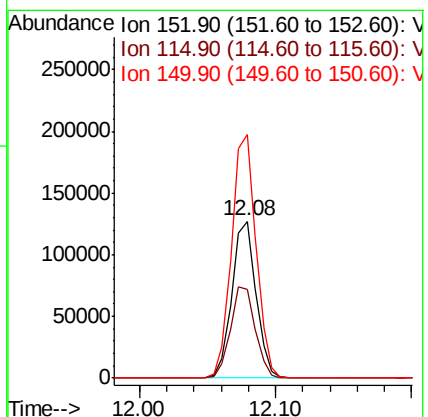
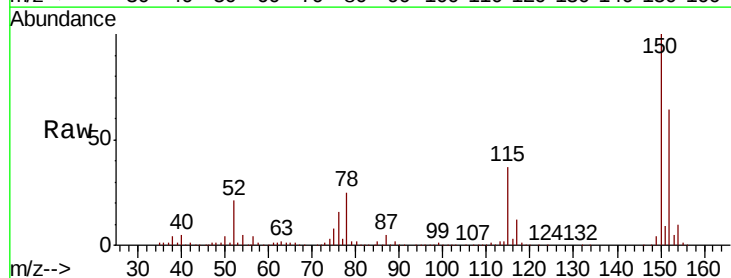
Instrument :
MSVOA_X
ClientSampleId :
KY062MW145-190410

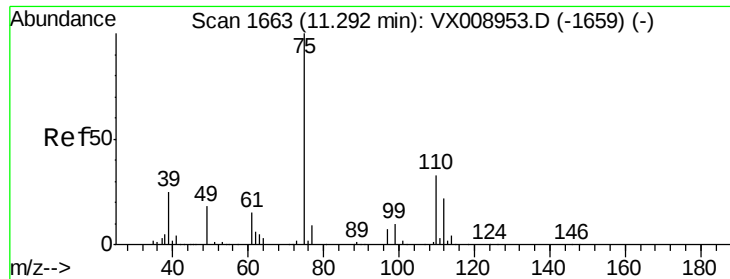
Tot Ion	Ratio	Lower	Upper
164	100		
166	135.6	105.0	157.4
129	99.8	74.2	111.4
131	98.6	72.2	108.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008985.D
Acq: 16 Apr 2019 14:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	41.4	124.2
150	157.1	0.0	349.8

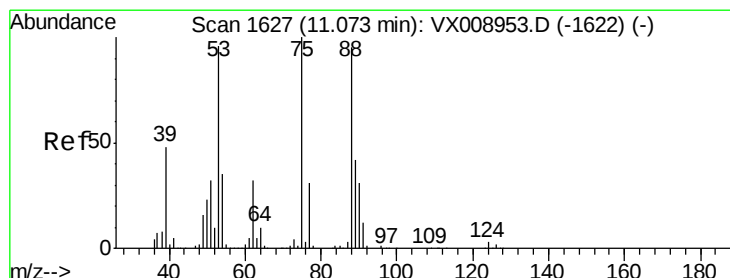
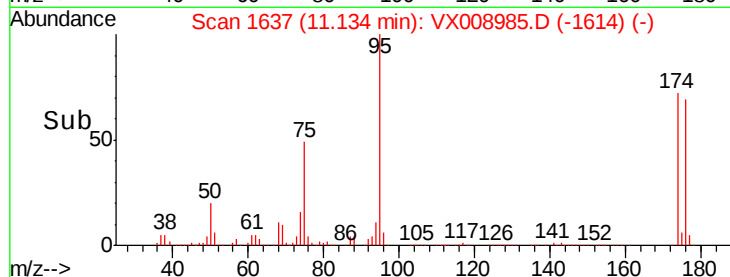
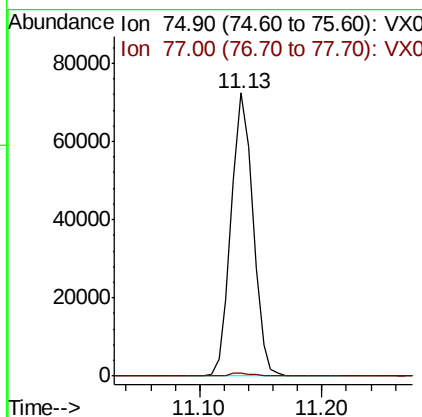
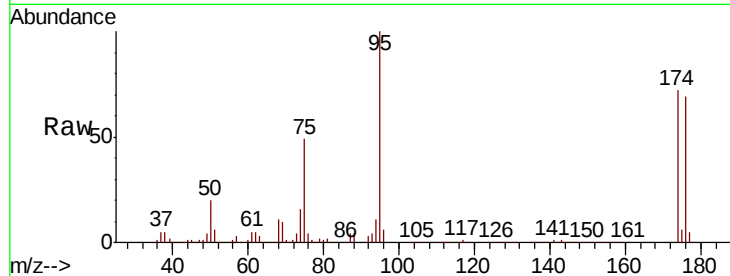




#76
 1,2,3-Trichloropropane
 Concen: 23.277 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008985.D
 Acq: 16 Apr 2019 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW145-190410

Tot Ion: 75 Resp: 89557
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.7 68.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.759 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008985.D
 Acq: 16 Apr 2019 14:18

Tgt Ion: 75 Resp: 89557
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.2 117.4#
 89 0.0 36.0 54.0#

