

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041619\
 Data File : VX008995.D
 Acq On : 16 Apr 2019 18:11
 Operator : JC/SP
 Sample : K2387-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW143-190410

Quant Time: Apr 17 04:18:54 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	5.67	168	269867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	431629	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	379101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164118	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	174221	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
35) Dibromofluoromethane	5.50	113	126185	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	
50) Toluene-d8	8.71	98	540958	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	11.13	95	184482	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	

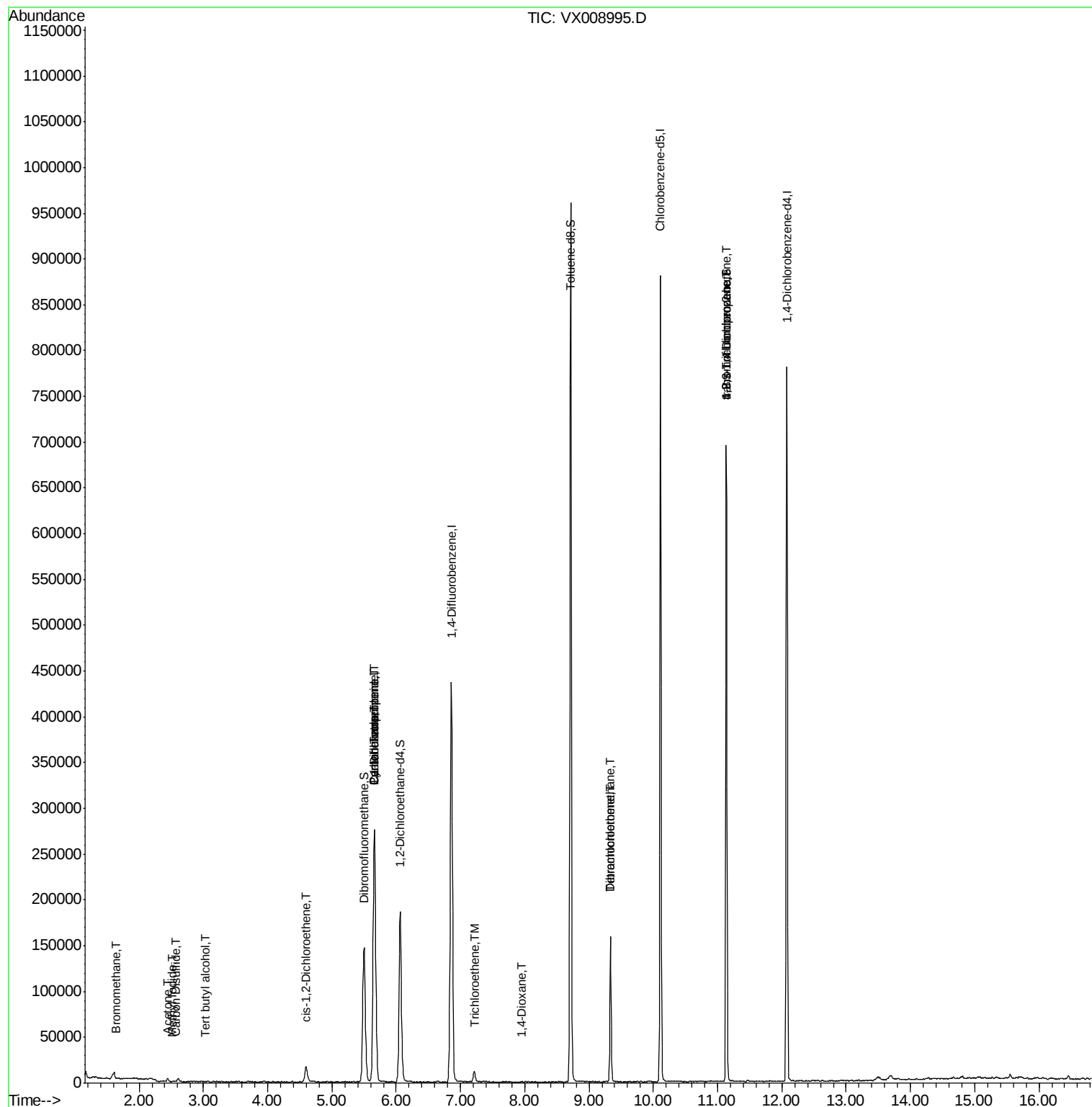
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	202	3.928	ug/l #	32
10) Methyl Iodide	2.51	142	203	4.476	ug/l #	56
11) Tert butyl alcohol	3.03	59	425	0.503	ug/l #	72
16) Acetone	2.45	43	3997	2.027	ug/l	97
17) Carbon Disulfide	2.57	76	679	1.330	ug/l #	71
27) cis-1,2-Dichloroethene	4.60	96	10352	2.954	ug/l	88
28) Bromochloromethane	5.04	49	67	Below Cal	#	21
31) Cyclohexane	5.67	56	5734	0.947	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	21220	4.754	ug/l #	51
38) Carbon Tetrachloride	5.66	117	25791	6.815	ug/l #	17
44) Trichloroethene	7.21	130	4204	1.303	ug/l	94
49) 1,4-Dioxane	7.96	88	22	0.257	ug/l #	1
60) Dibromochloromethane	9.34	129	28921	9.647	ug/l #	10
64) Tetrachloroethene	9.34	164	31087	10.794	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	92610	23.110	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	92610	59.329	ug/l #	11

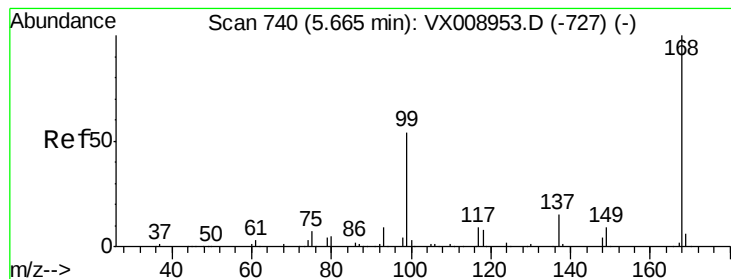
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008995.D

Acq: 16 Apr 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

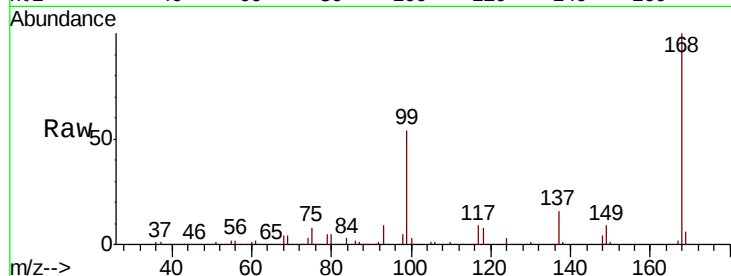
KY062MW143-190410

Tot Ion:168 Resp: 269867

Ion Ratio Lower Upper

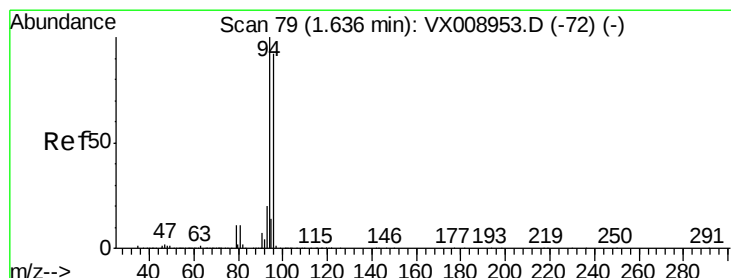
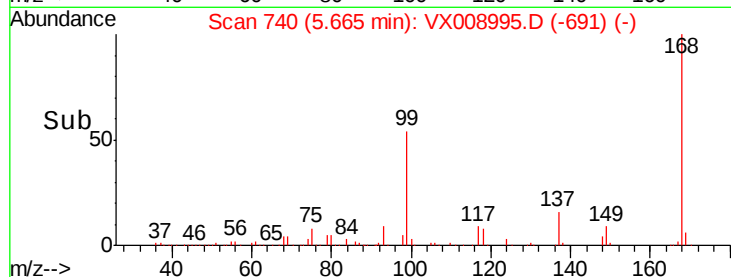
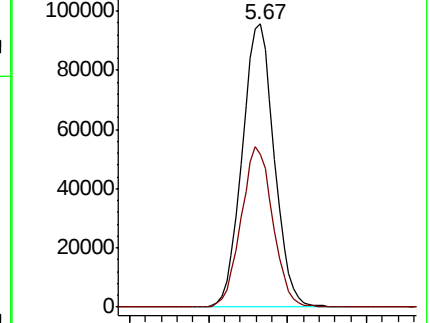
168 100

99 53.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 3.928 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008995.D

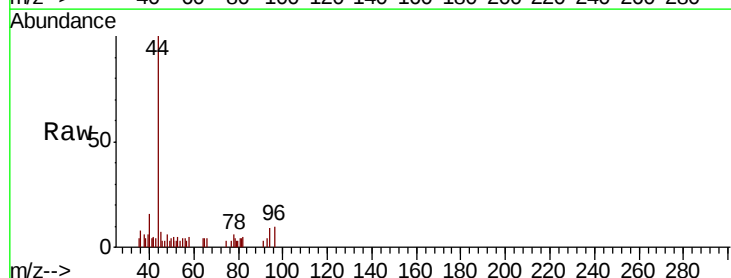
Acq: 16 Apr 2019 18:11

Tgt Ion: 94 Resp: 202

Ion Ratio Lower Upper

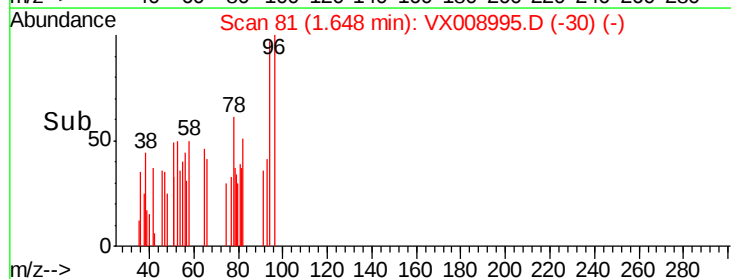
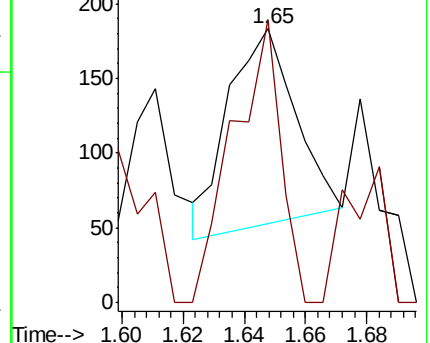
94 100

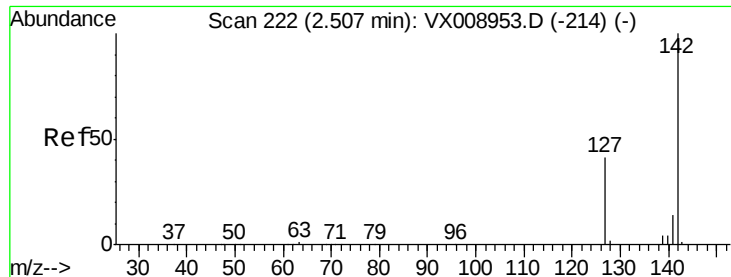
96 157.5 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

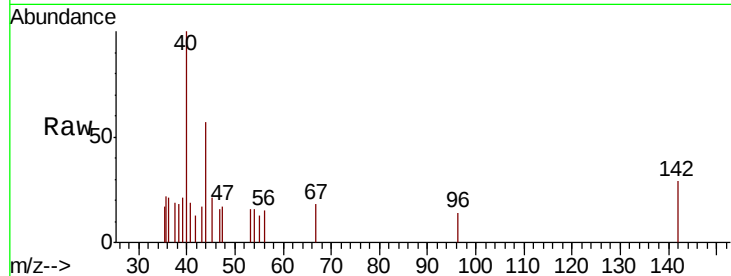




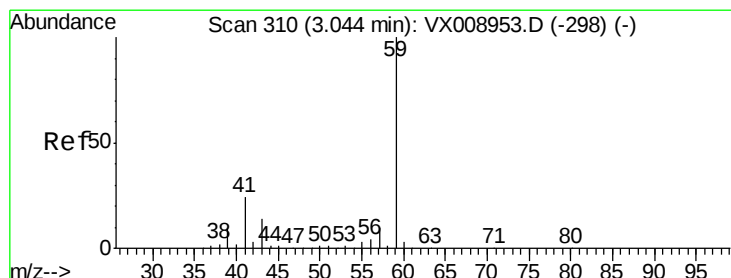
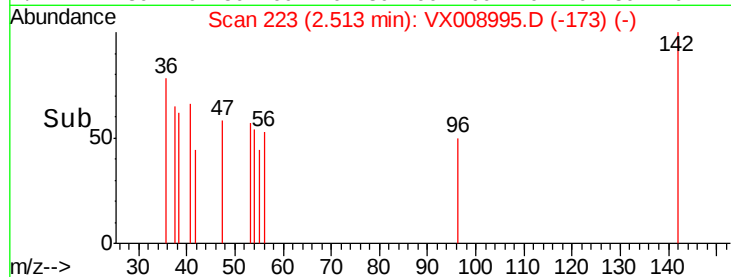
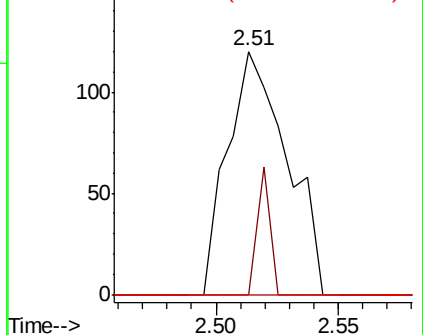
#10
Methyl Iodide
Concen: 4.476 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008995.D
Acq: 16 Apr 2019 18:11

Instrument :
MSVOA_X
ClientSampleId :
KY062MW143-190410

Tot Ion:142 Resp: 203
Ion Ratio Lower Upper
142 100
127 11.3 32.8 49.2#
141 0.0 11.4 17.2#

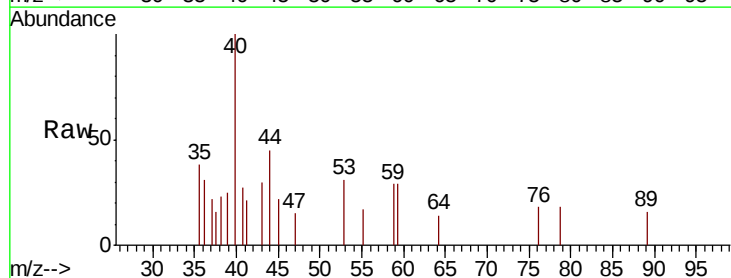


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

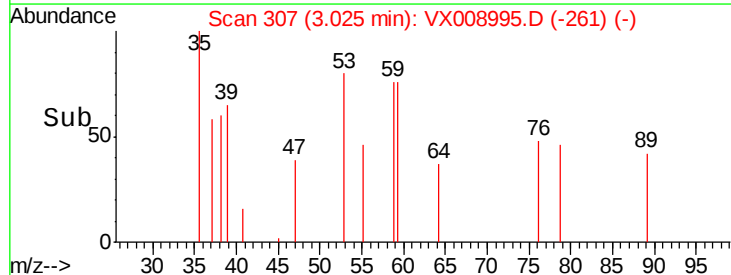
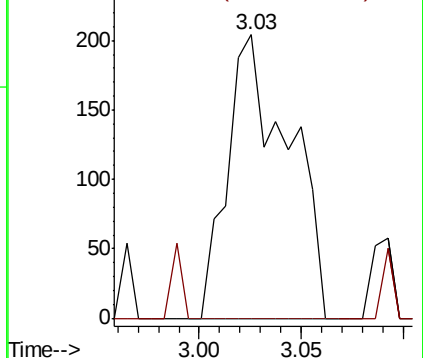


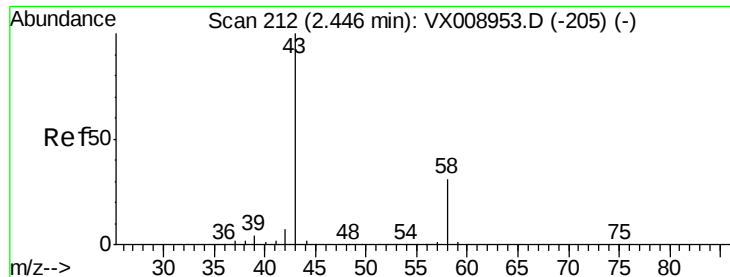
#11
Tert butyl alcohol
Concen: 0.503 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX008995.D
Acq: 16 Apr 2019 18:11

Tgt Ion: 59 Resp: 425
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



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





#16

Acetone

Concen: 2.027 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008995.D

Acq: 16 Apr 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

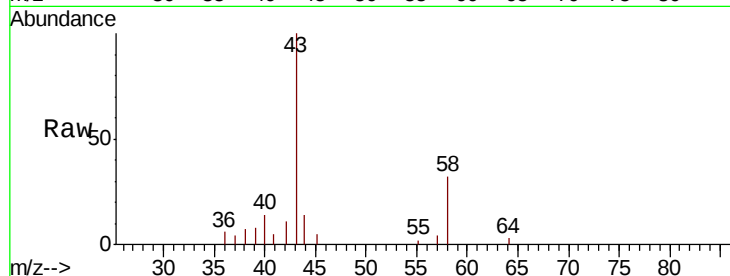
KY062MW143-190410

Tot Ion: 43 Resp: 3997

Ion Ratio Lower Upper

43 100

58 29.3 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2000

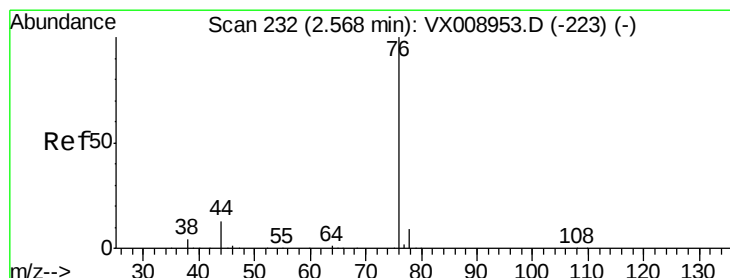
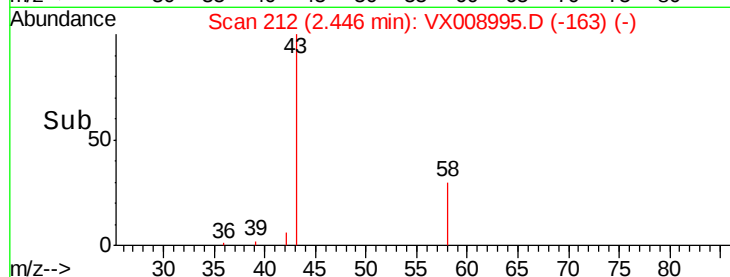
1500

1000

500

0

Time--> 2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 1.330 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008995.D

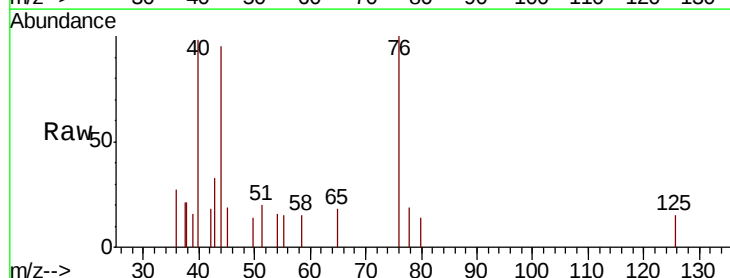
Acq: 16 Apr 2019 18:11

Tgt Ion: 76 Resp: 679

Ion Ratio Lower Upper

76 100

78 19.4 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

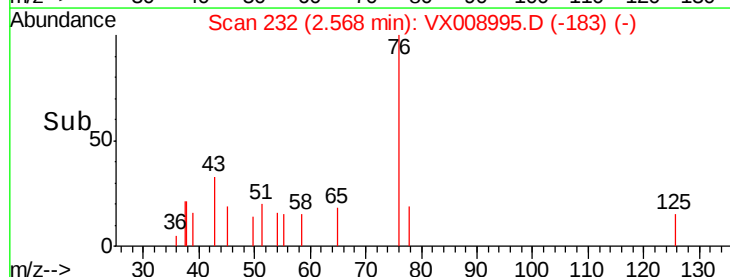
300

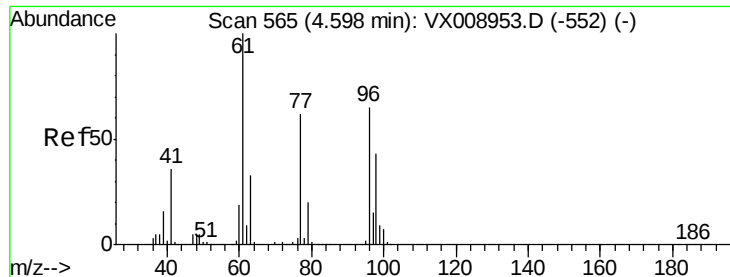
200

100

0

Time--> 2.50 2.55 2.60



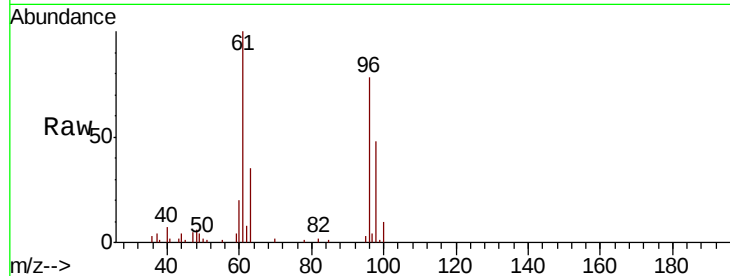


#27

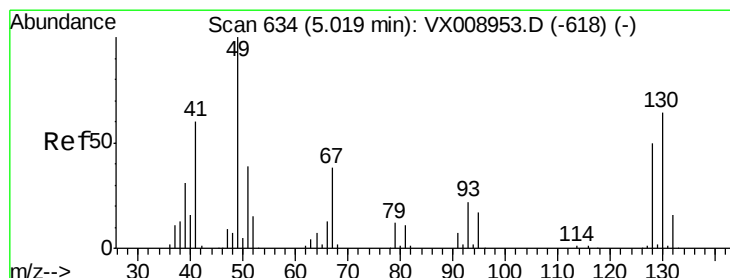
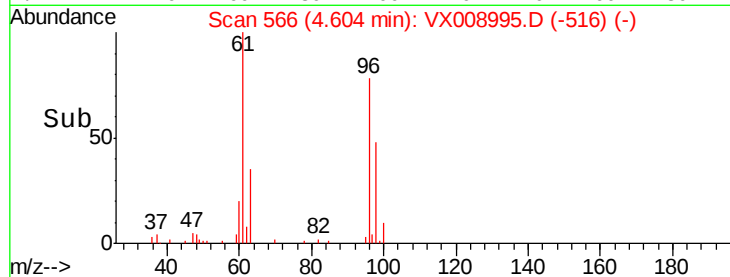
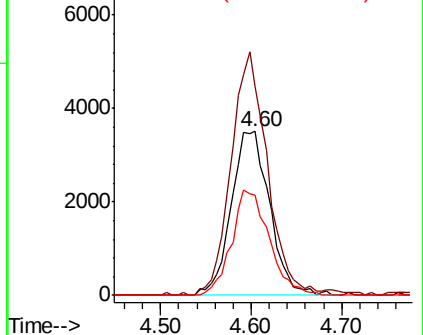
cis-1,2-Dichloroethene
Concen: 2.954 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX008995.D
Acq: 16 Apr 2019 18:11

Instrument :
MSVOA_X
ClientSampleId :
KY062MW143-190410

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	322.0
98	62.6	0.0	128.4



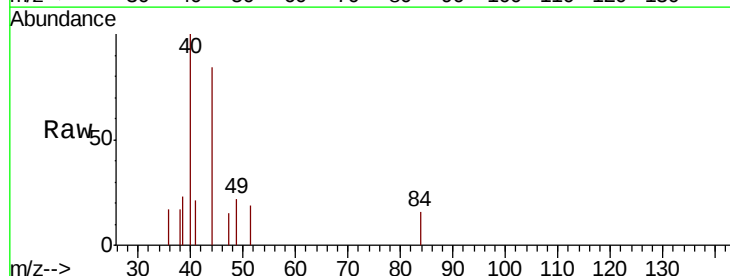
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



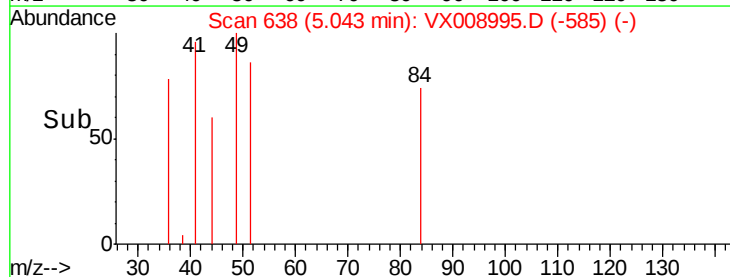
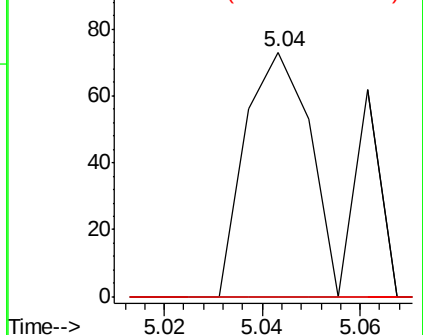
#28

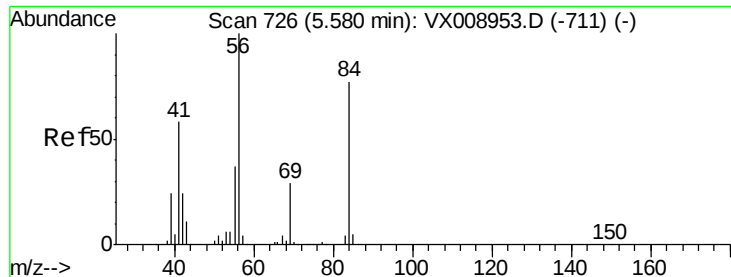
Bromochloromethane
Concen: Below Cal
RT: 5.04 min Scan# 638
Delta R.T. 0.02 min
Lab File: VX008995.D
Acq: 16 Apr 2019 18:11

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

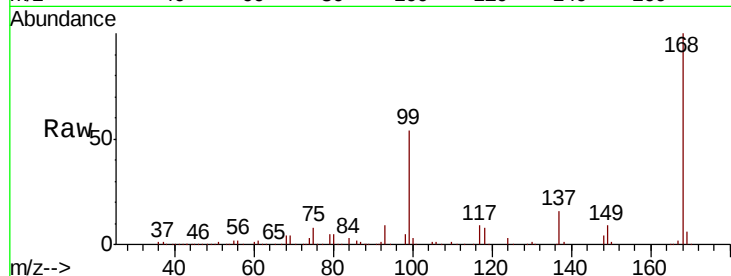




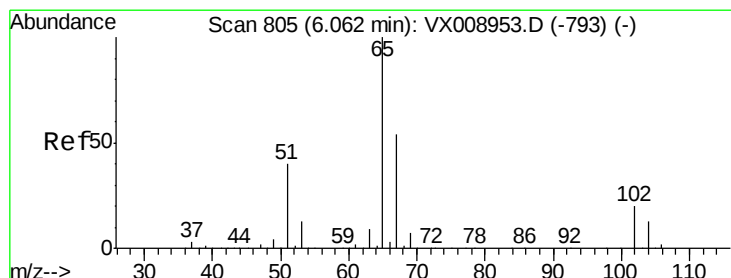
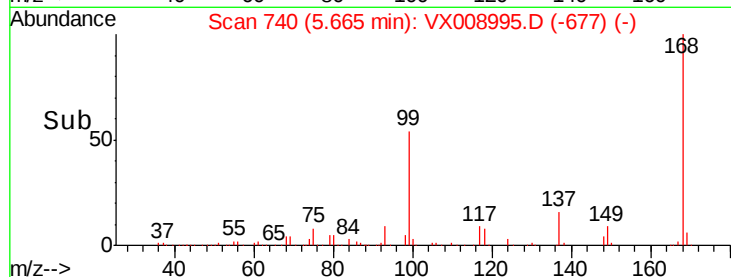
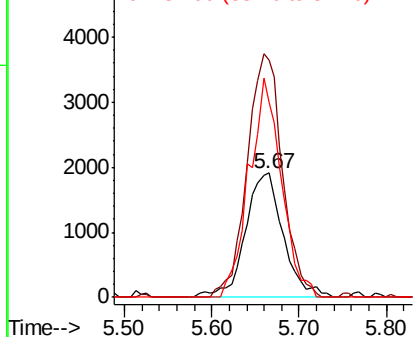
#31
Cyclohexane
Concen: 0.947 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008995.D
Acq: 16 Apr 2019 18:11

Instrument :
MSVOA_X
ClientSampleId :
KY062MW143-190410

Tot Ion: 56 Resp: 5734
Ion Ratio Lower Upper
56 100
69 191.1 23.3 34.9#
84 157.1 61.7 92.5#

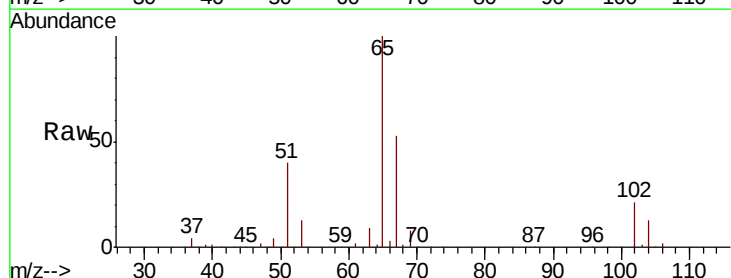


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

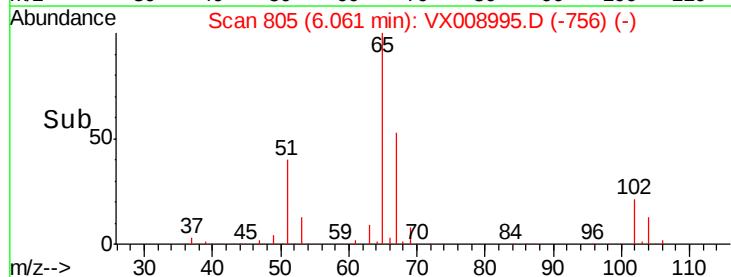
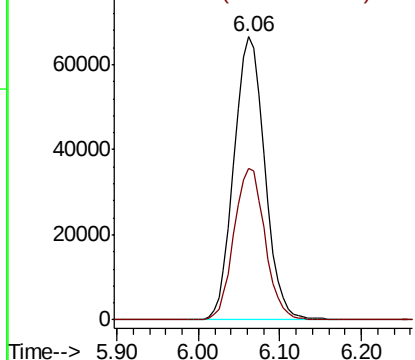


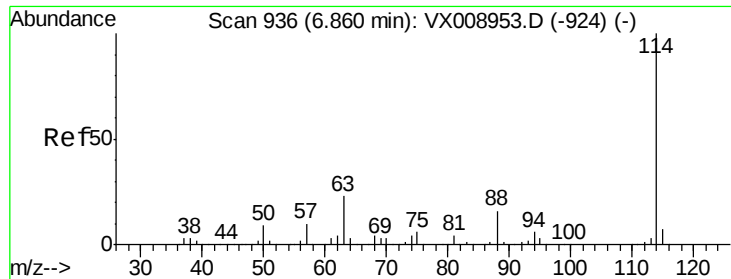
#33
1,2-Dichloroethane-d4
Concen: 45.809 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008995.D
Acq: 16 Apr 2019 18:11

Tgt Ion: 65 Resp: 174221
Ion Ratio Lower Upper
65 100
67 53.8 0.0 108.6



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

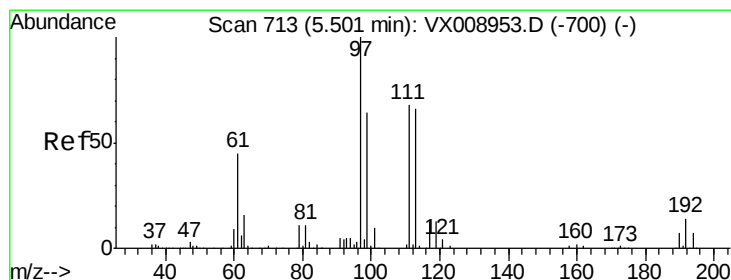
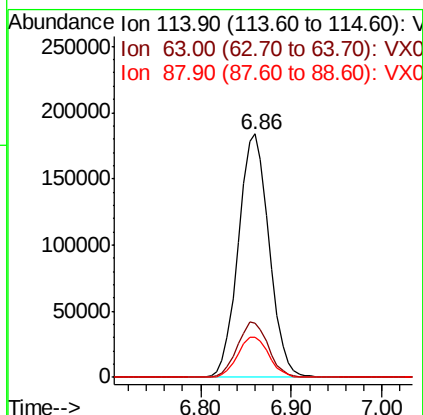
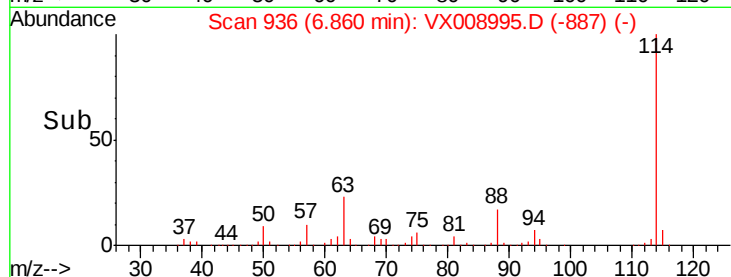
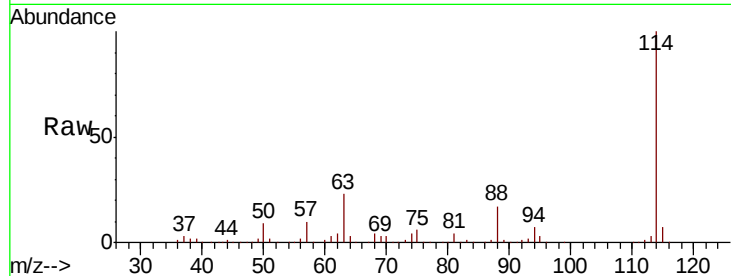




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008995.D
 Acq: 16 Apr 2019 18:11

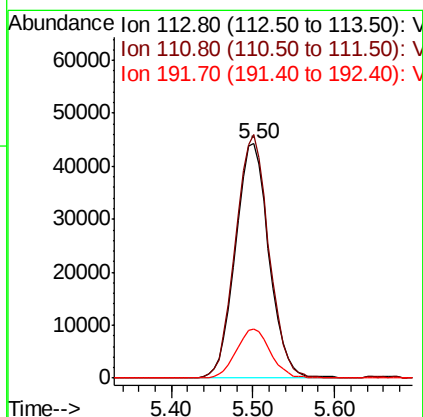
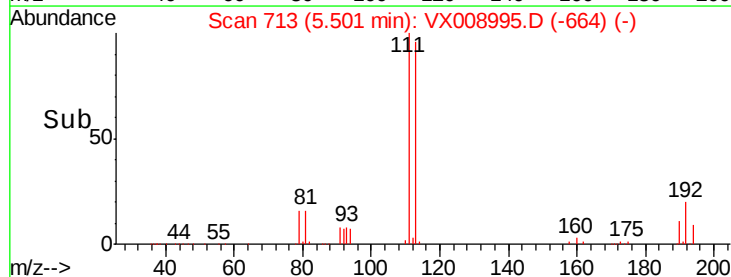
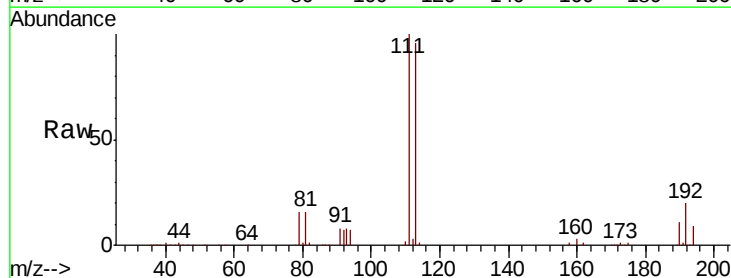
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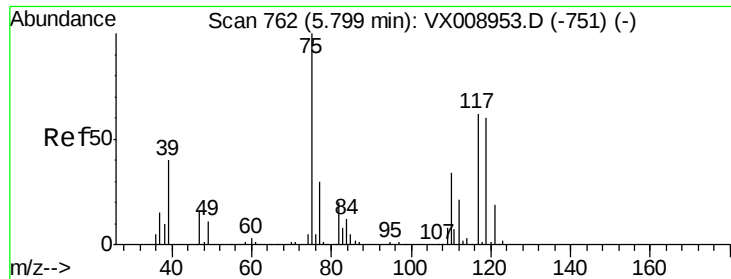
Tot Ion:114 Resp: 431629
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 46.0
 88 16.7 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 45.553 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008995.D
 Acq: 16 Apr 2019 18:11

Tgt Ion:113 Resp: 126185
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.9 124.3
 192 21.3 17.4 26.0

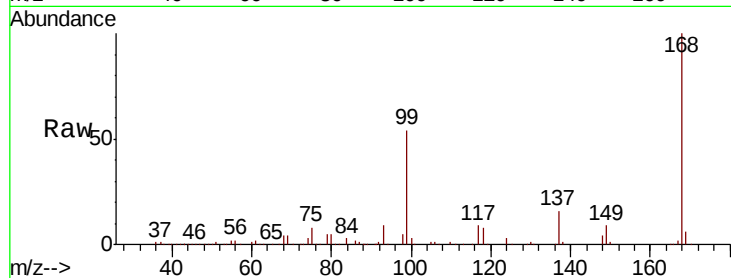




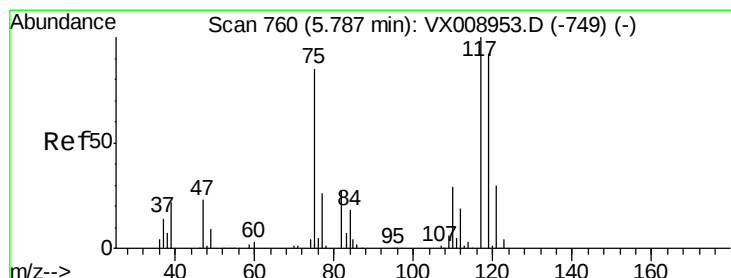
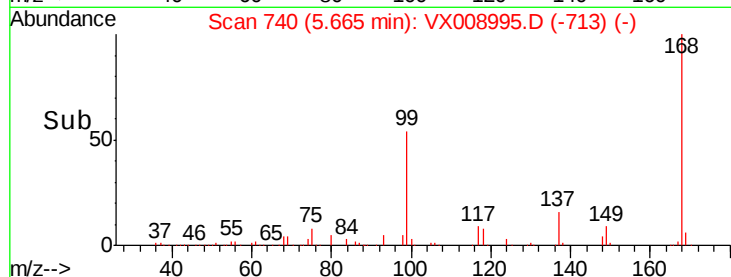
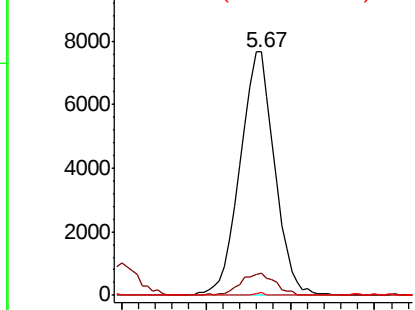
#36
 1,1-Dichloropropene
 Concen: 4.754 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008995.D
 Acq: 16 Apr 2019 18:11

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW143-190410

Tot Ion: 75 Resp: 21220
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.9 50.7#
 77 0.2 25.0 37.4#

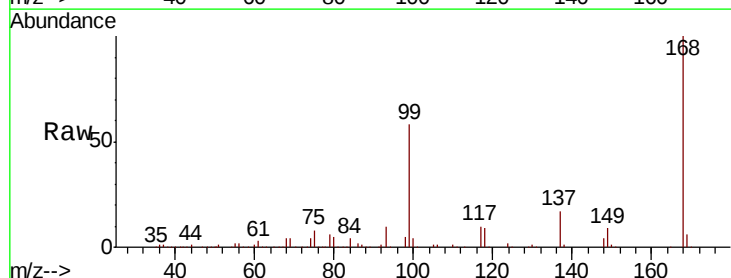


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

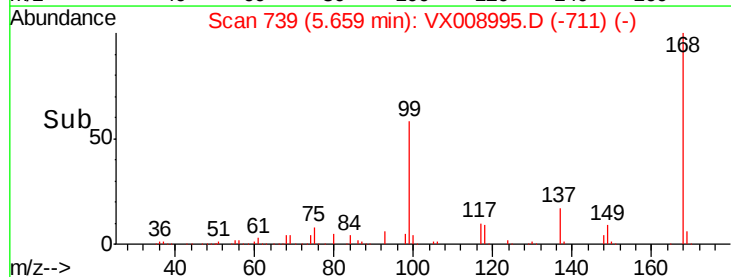
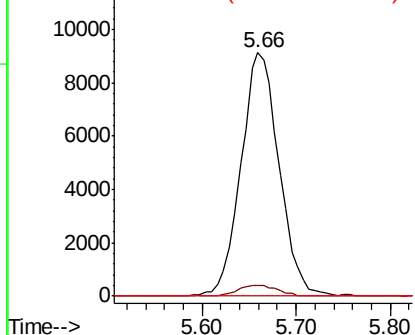


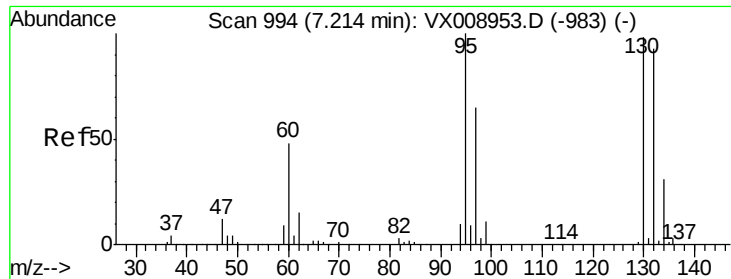
#38
 Carbon Tetrachloride
 Concen: 6.815 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008995.D
 Acq: 16 Apr 2019 18:11

Tgt Ion: 117 Resp: 25791
 Ion Ratio Lower Upper
 117 100
 119 4.3 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: 1.303 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008995.D

Acq: 16 Apr 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

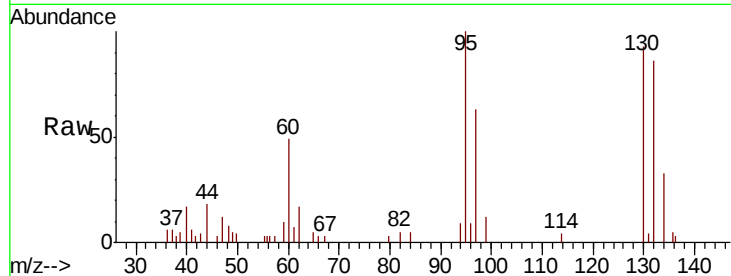
KY062MW143-190410

Tot Ion:130 Resp: 4204

Ion Ratio Lower Upper

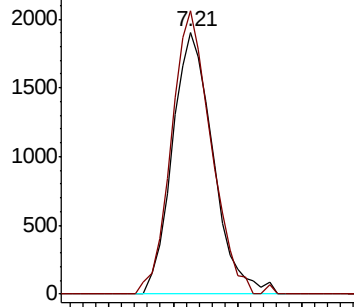
130 100

95 108.1 0.0 203.2

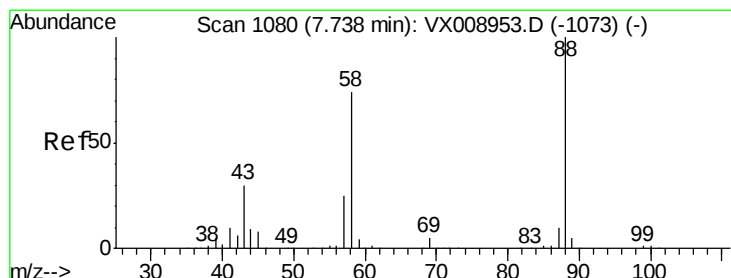
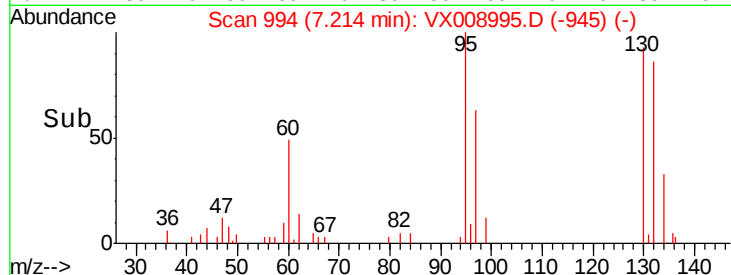


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



Time-->



#49

1,4-Dioxane

Concen: 0.257 ug/l

RT: 7.96 min Scan# 1116

Delta R.T. 0.22 min

Lab File: VX008995.D

Acq: 16 Apr 2019 18:11

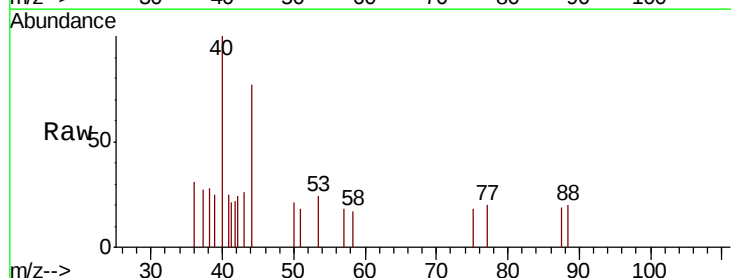
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 704.5 29.3 43.9#

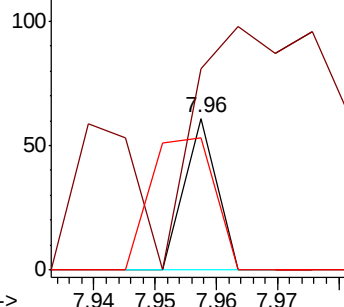
58 172.7 62.6 93.8#



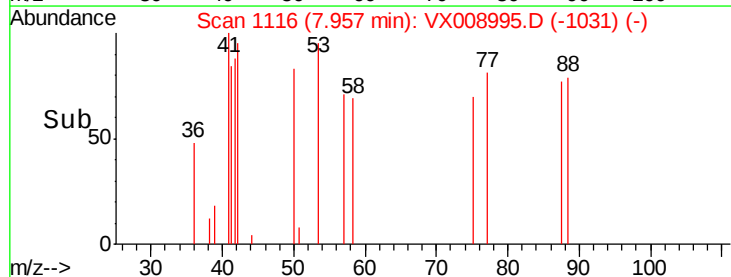
Abundance Ion 88.00 (87.70 to 88.70): VX0

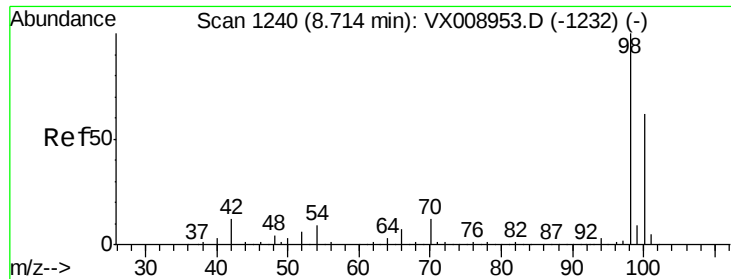
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#50

Toluene-d8

Concen: 48.968 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008995.D

Acq: 16 Apr 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

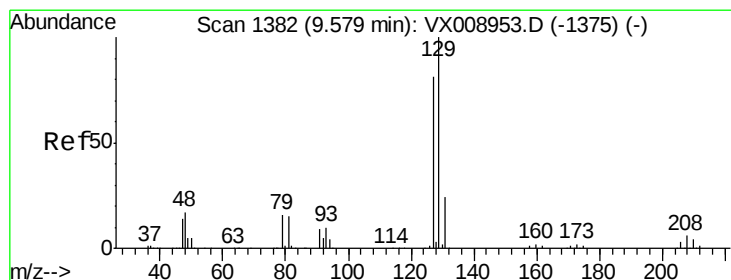
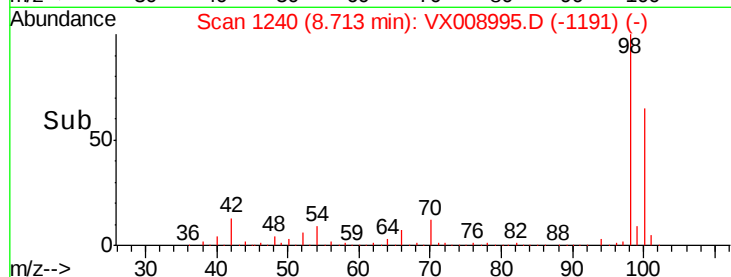
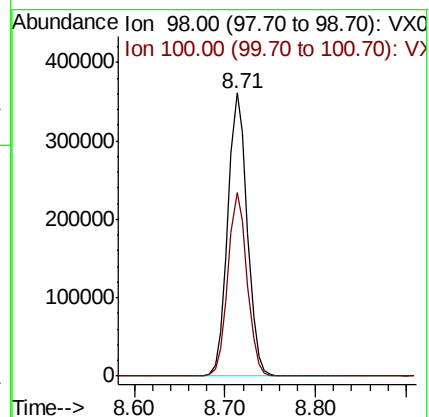
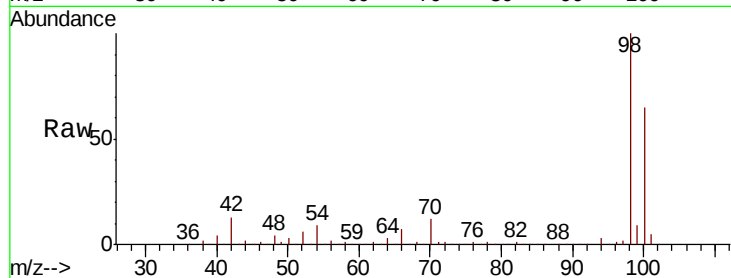
KY062MW143-190410

Tot Ion: 98 Resp: 540958

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.2



#60

Dibromochloromethane

Concen: 9.647 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008995.D

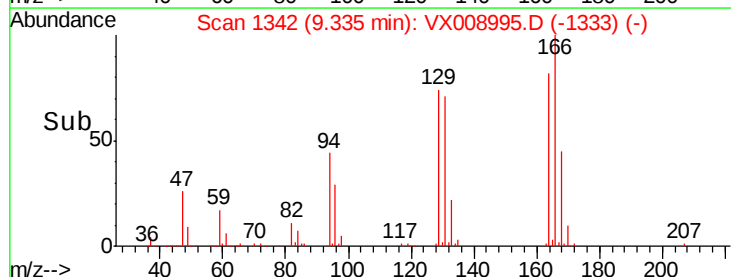
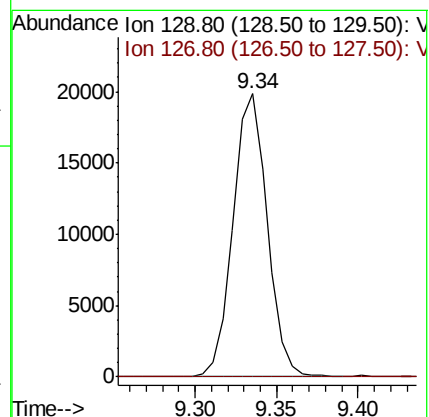
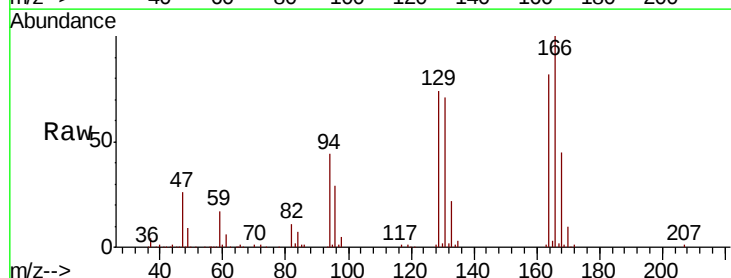
Acq: 16 Apr 2019 18:11

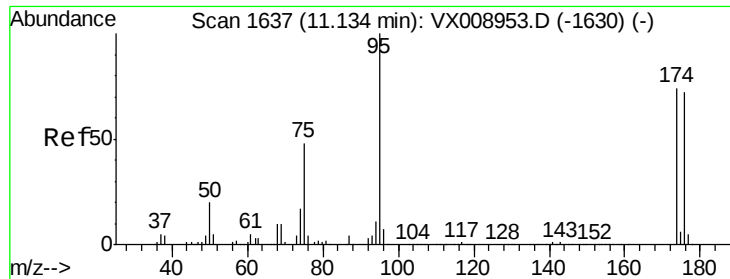
Tgt Ion:129 Resp: 28921

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#





#62

4-Bromofluorobenzene

Concen: 47.307 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008995.D

Acq: 16 Apr 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

KY062MW143-190410

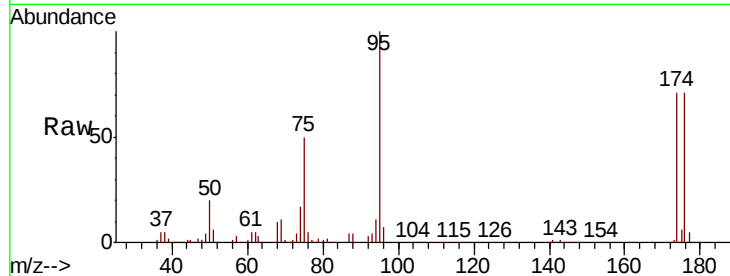
Tot Ion: 95 Resp: 184482

Ion Ratio Lower Upper

95 100

174 78.0 0.0 159.6

176 76.1 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX008995.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008995.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008995.D (-1630) (-)

11.13

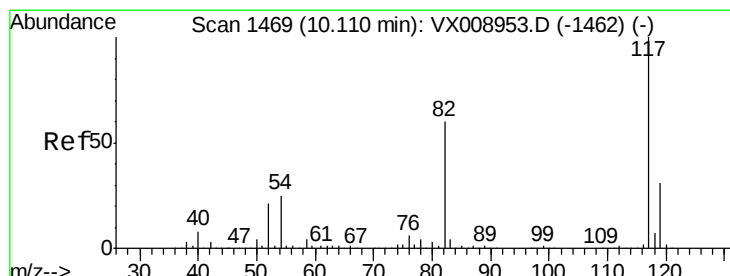
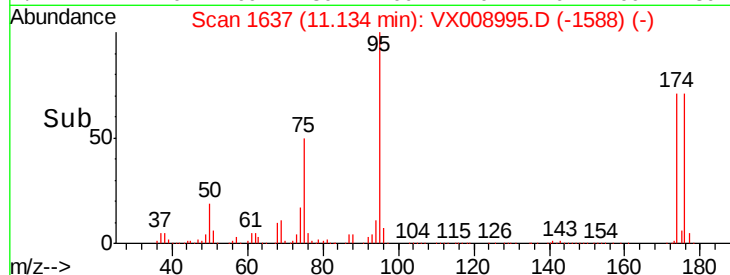
150000

100000

50000

0

Time--> 11.00 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: VX008995.D

Acq: 16 Apr 2019 18:11

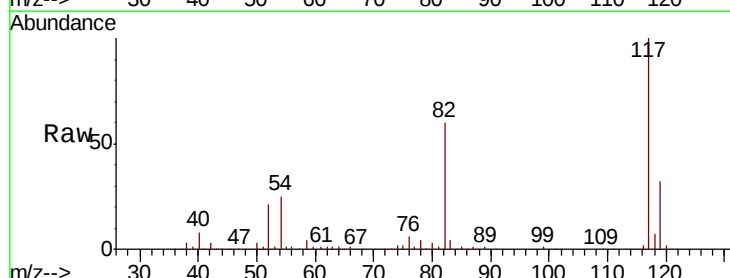
Tgt Ion: 117 Resp: 379101

Ion Ratio Lower Upper

117 100

82 60.0 48.2 72.4

119 31.6 25.0 37.6



Abundance Ion 116.90 (116.60 to 117.60): VX008995.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008995.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008995.D (-1462) (-)

10.11

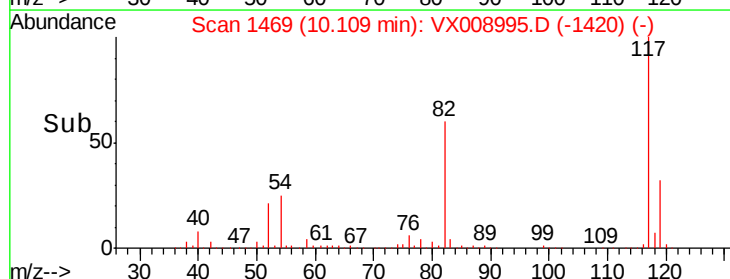
300000

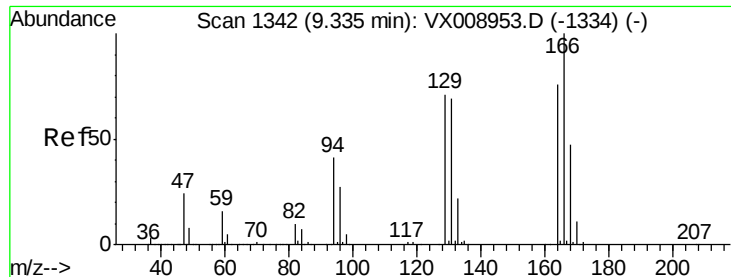
200000

100000

0

Time--> 10.00 10.10 10.20

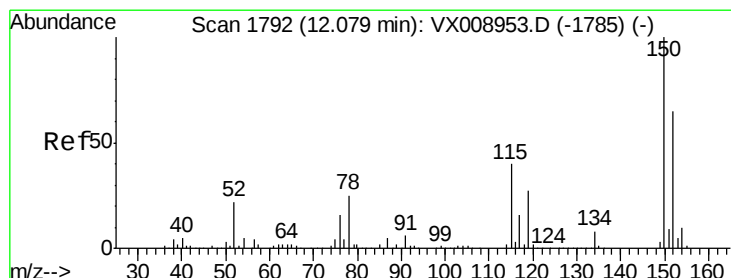
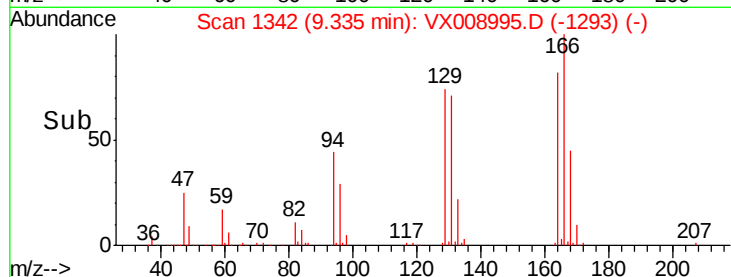
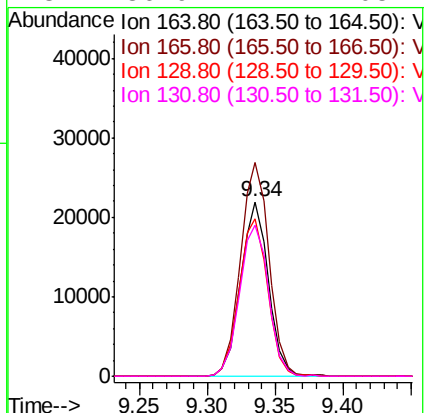
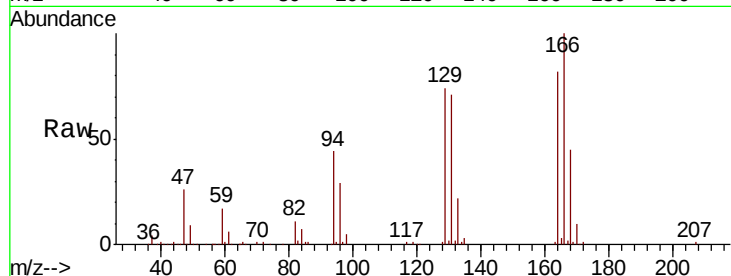




#64
Tetrachloroethene
Concen: 10.794 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008995.D
Acq: 16 Apr 2019 18:11

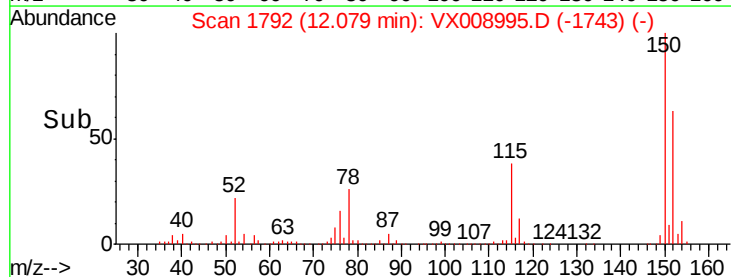
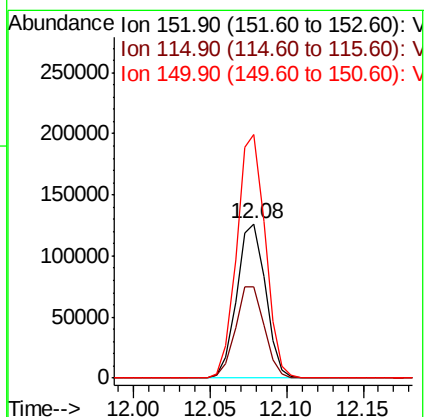
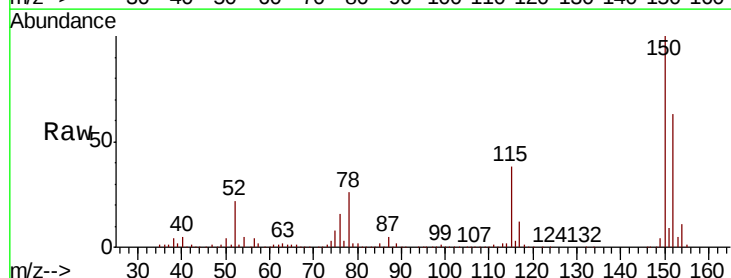
Instrument :
MSVOA_X
ClientSampleId :
KY062MW143-190410

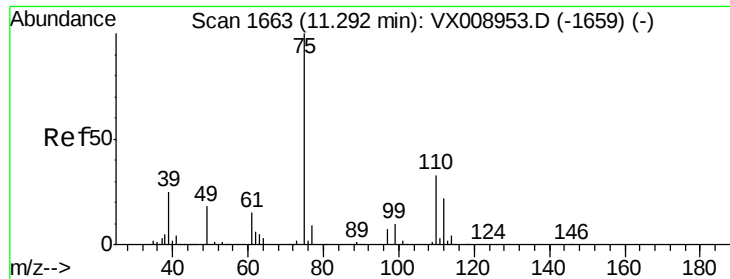
Tot Ion	Ratio	Lower	Upper
164	100		
166	122.6	105.0	157.4
129	90.5	74.2	111.4
131	86.9	72.2	108.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008995.D
Acq: 16 Apr 2019 18:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	41.4	124.2
150	157.1	0.0	349.8

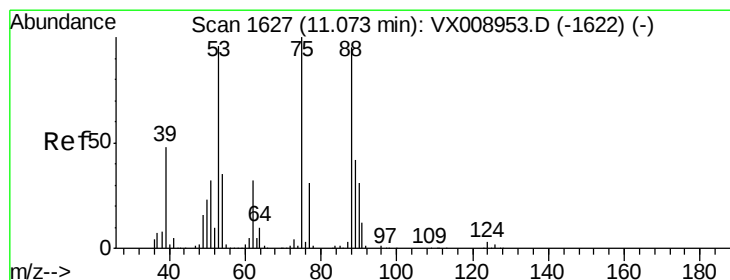
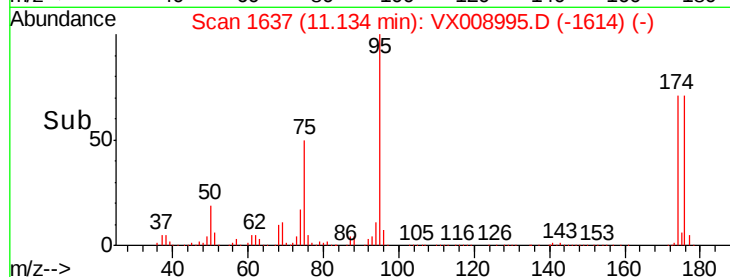
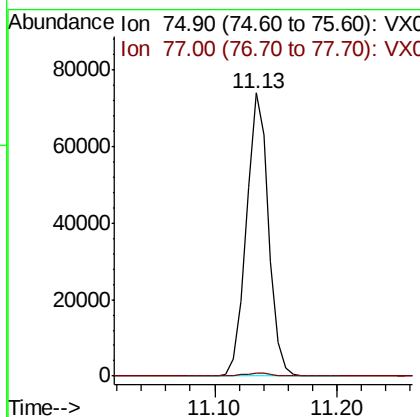
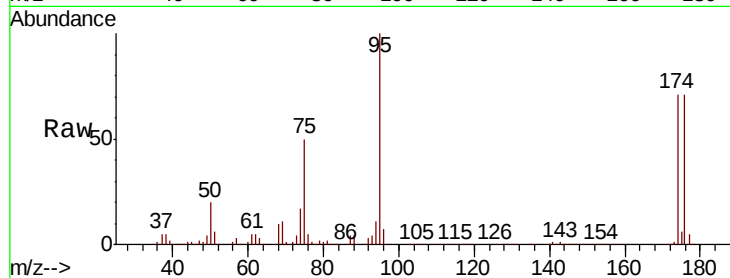




#76
 1,2,3-Trichloropropane
 Concen: 23.110 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008995.D
 Acq: 16 Apr 2019 18:11

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW143-190410

Tot Ion: 75 Resp: 92610
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.7 68.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.329 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008995.D
 Acq: 16 Apr 2019 18:11

Tgt Ion: 75 Resp: 92610
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.2 117.4#
 89 0.0 36.0 54.0#

