

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
 Data File : VX010726.D
 Acq On : 09 Jul 2019 03:53
 Operator : JC/SP
 Sample : K3690-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW082-190703

Quant Time: Jul 09 07:53:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

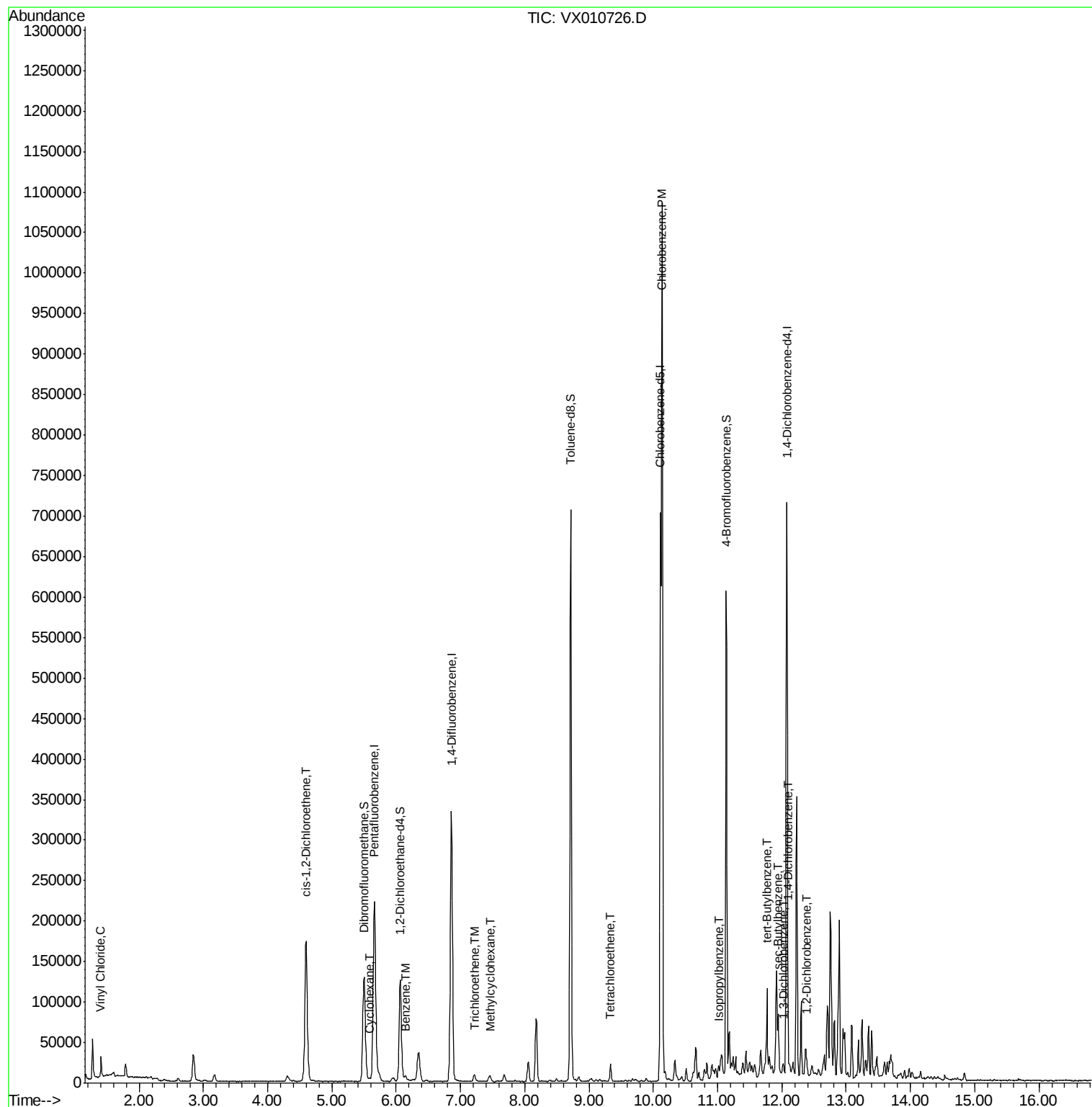
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	229491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	357413	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	324520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158175	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	114233	53.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.18%	
35) Dibromofluoromethane	5.50	113	107772	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.56%	
50) Toluene-d8	8.71	98	424289	50.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	11.13	95	146691	48.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.14%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	16635	8.175	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	120509	48.745	ug/l	91
31) Cyclohexane	5.58	56	2182	0.702	ug/l #	68
39) Methylcyclohexane	7.46	83	2720	0.729	ug/l #	84
40) Benzene	6.14	78	7760	0.877	ug/l	99
44) Trichloroethene	7.22	130	3448	1.302	ug/l	100
64) Tetrachloroethene	9.34	164	3643	1.388	ug/l #	85
65) Chlorobenzene	10.14	112	493329	74.879	ug/l	100
73) Isopropylbenzene	11.02	105	8279	0.772	ug/l	97
83) tert-Butylbenzene	11.77	119	38817	4.375	ug/l	91
85) sec-Butylbenzene	11.94	105	32139	3.085	ug/l #	55
87) 1,3-Dichlorobenzene	12.02	146	1946	0.372	ug/l #	60
88) 1,4-Dichlorobenzene	12.10	146	5011	0.942	ug/l #	60
91) 1,2-Dichlorobenzene	12.39	146	2332	0.449	ug/l	88

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

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010726.D

Acq: 09 Jul 2019 03:53

Instrument :

MSVOA_X

ClientSampleId :

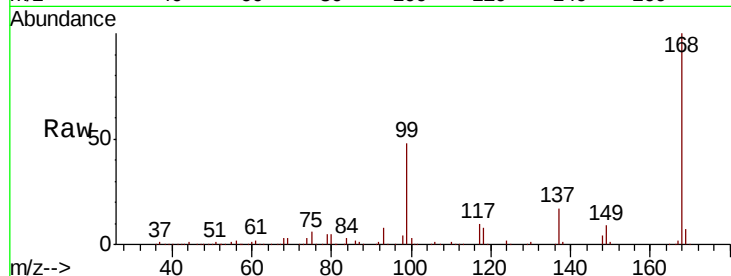
SS038RW082-190703

Tgt Ion:168 Resp: 229491

Ion Ratio Lower Upper

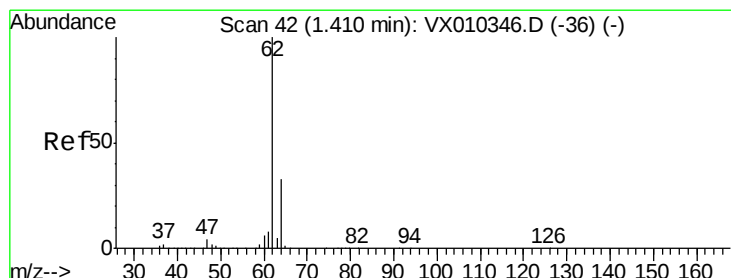
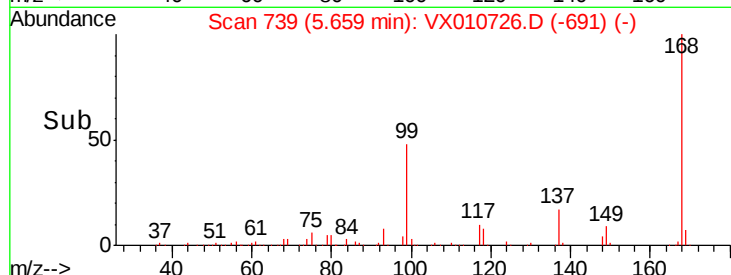
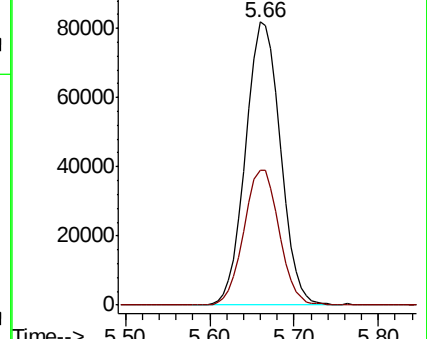
168 100

99 47.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 8.175 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX010726.D

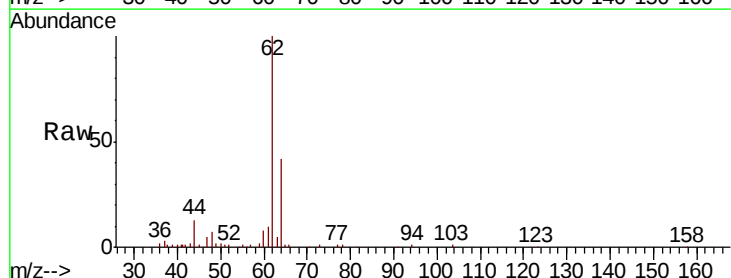
Acq: 09 Jul 2019 03:53

Tgt Ion: 62 Resp: 16635

Ion Ratio Lower Upper

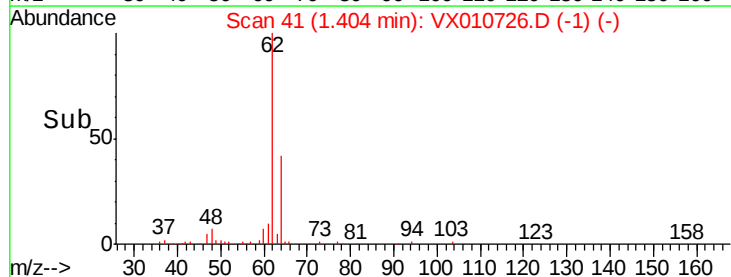
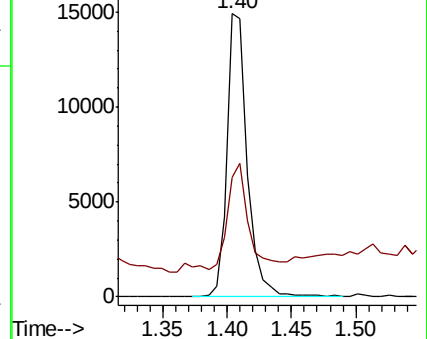
62 100

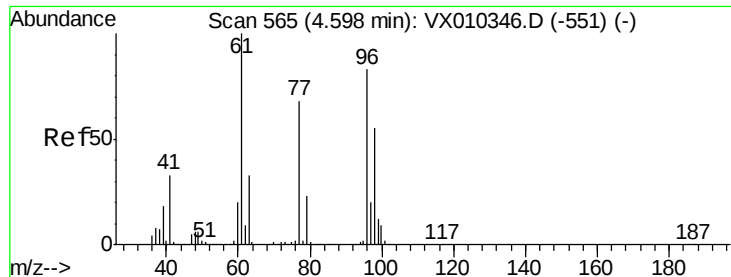
64 31.6 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



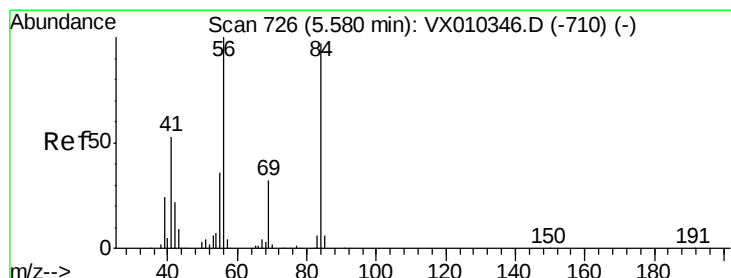
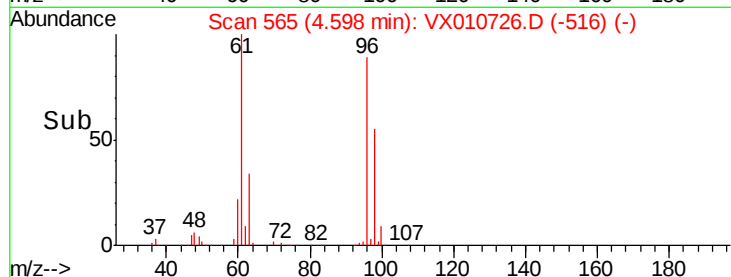
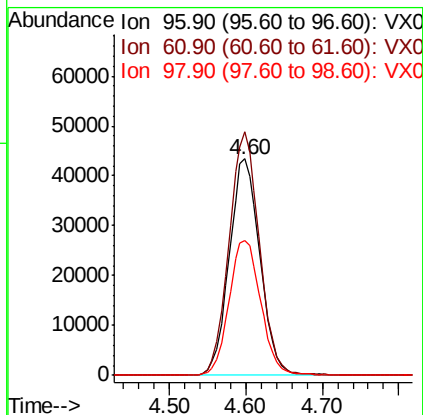
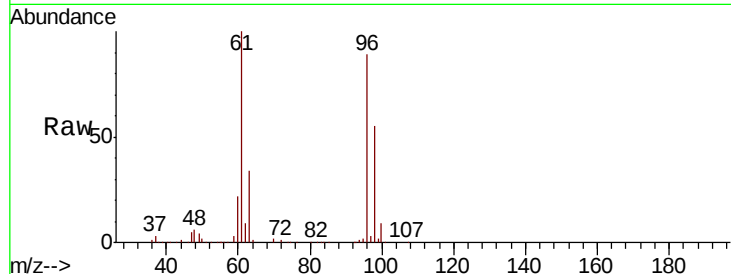


#27

cis-1,2-Dichloroethene
 Concen: 48.745 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010726.D
 Acq: 09 Jul 2019 03:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW082-190703

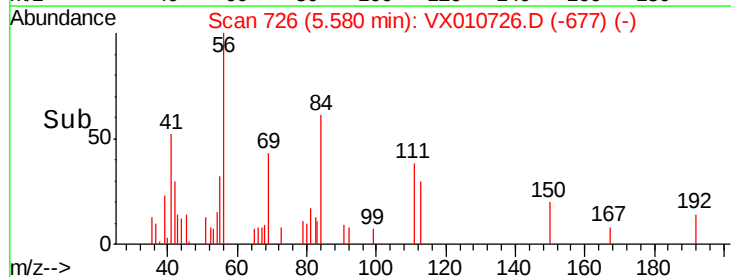
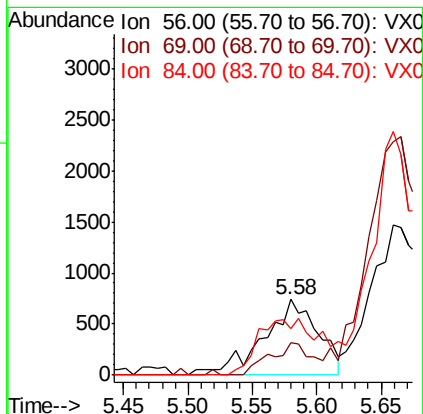
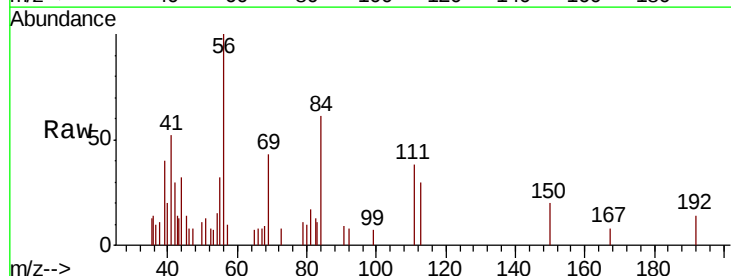
Tgt Ion: 96 Resp: 120509
 Ion Ratio Lower Upper
 96 100
 61 111.2 0.0 251.8
 98 64.1 0.0 129.4

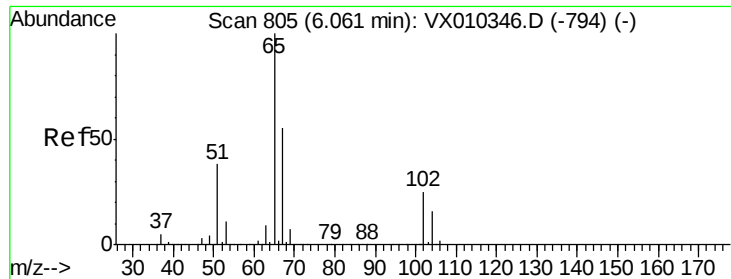


#31

Cyclohexane
 Concen: 0.702 ug/l
 RT: 5.58 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VX010726.D
 Acq: 09 Jul 2019 03:53

Tgt Ion: 56 Resp: 2182
 Ion Ratio Lower Upper
 56 100
 69 42.8 25.9 38.9#
 84 61.2 78.0 117.0#

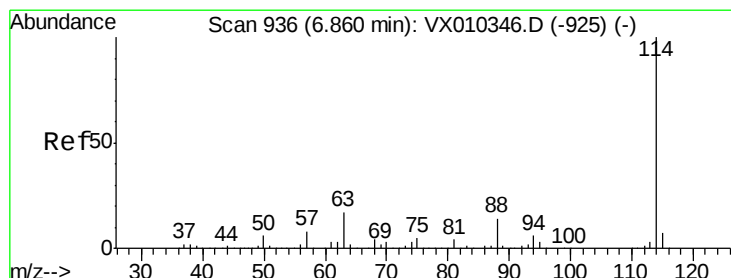
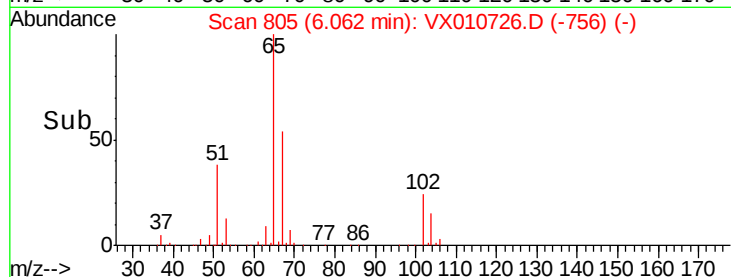
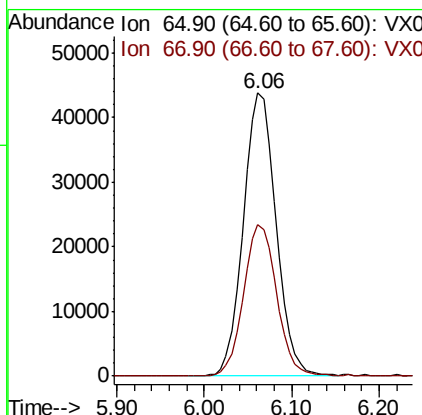
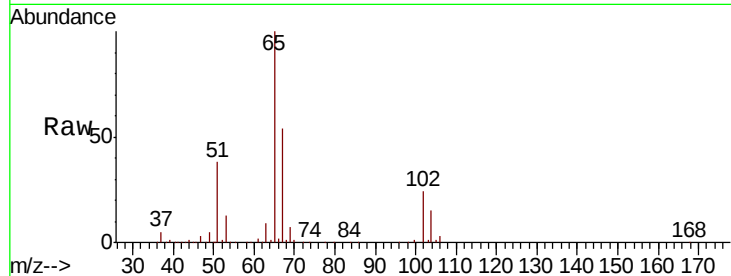




#33
 1,2-Dichloroethane-d4
 Concen: 53.089 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010726.D
 Acq: 09 Jul 2019 03:53

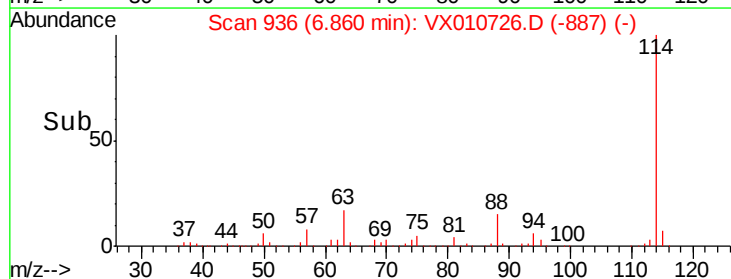
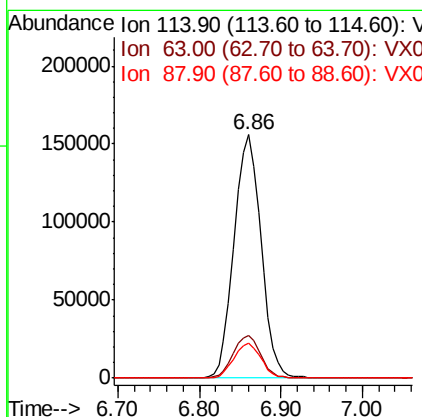
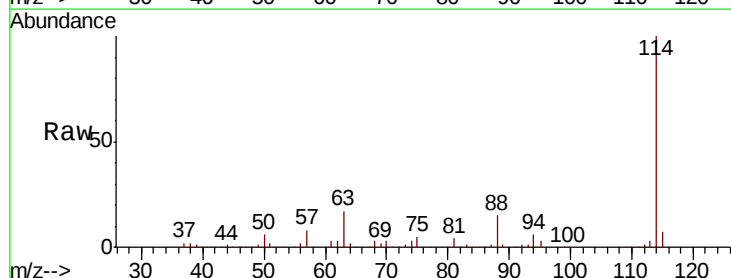
Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW082-190703

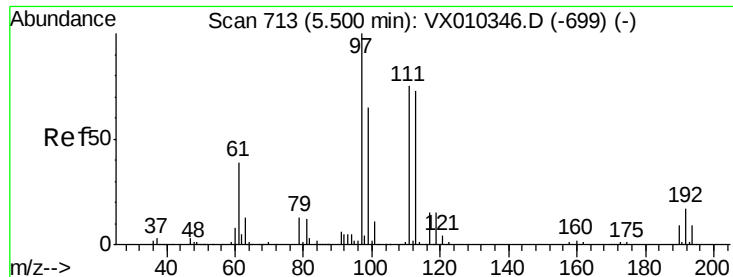
Tgt Ion: 65 Resp: 114233
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010726.D
 Acq: 09 Jul 2019 03:53

Tgt Ion: 114 Resp: 357413
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 33.8
 88 14.5 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.283 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010726.D

Acq: 09 Jul 2019 03:53

Instrument :

MSVOA_X

ClientSampleId :

SS038RW082-190703

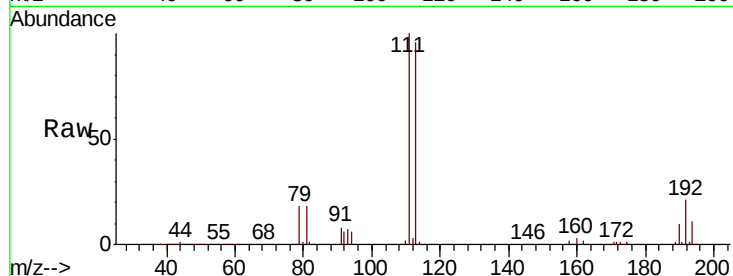
Tgt Ion:113 Resp: 107772

Ion Ratio Lower Upper

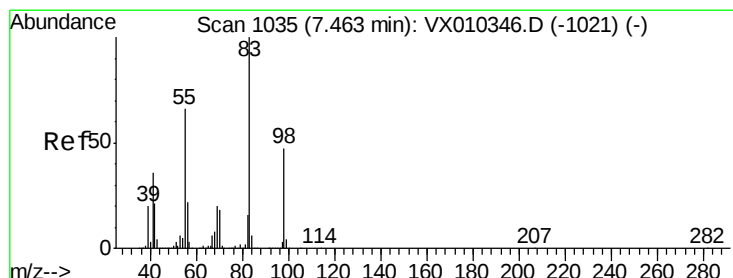
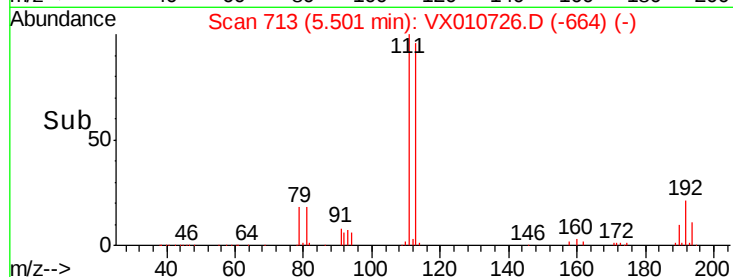
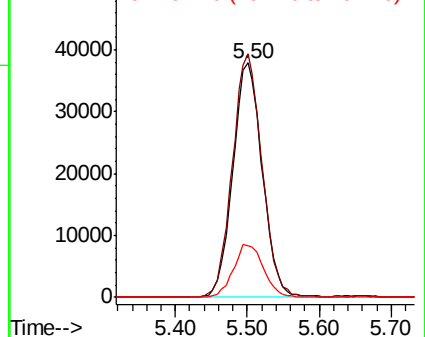
113 100

111 104.2 81.2 121.8

192 23.1 18.6 27.8



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



#39

Methylcyclohexane

Concen: 0.729 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010726.D

Acq: 09 Jul 2019 03:53

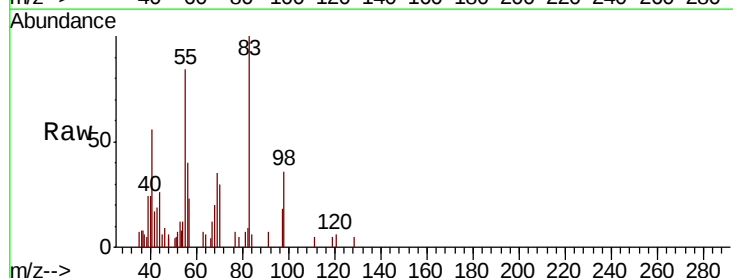
Tgt Ion: 83 Resp: 2720

Ion Ratio Lower Upper

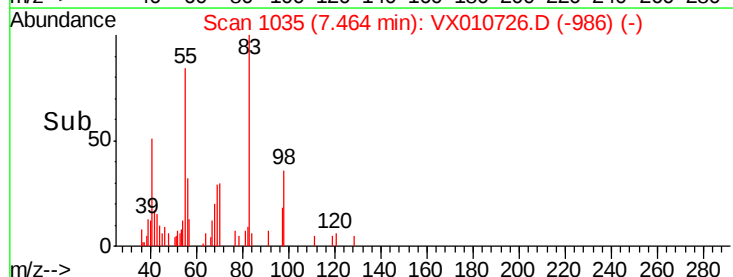
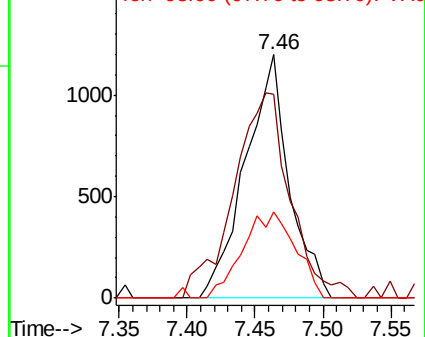
83 100

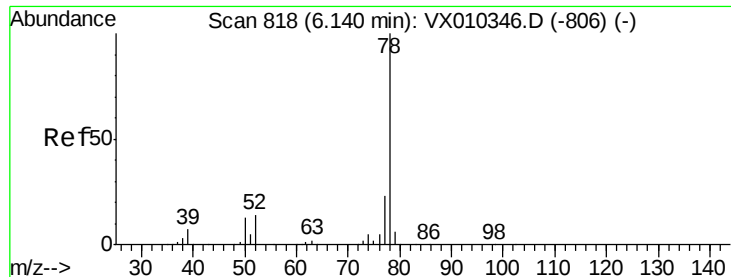
55 77.7 53.0 79.6

98 35.6 37.8 56.8#



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.877 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX010726.D

Acq: 09 Jul 2019 03:53

Instrument :

MSVOA_X

ClientSampleId :

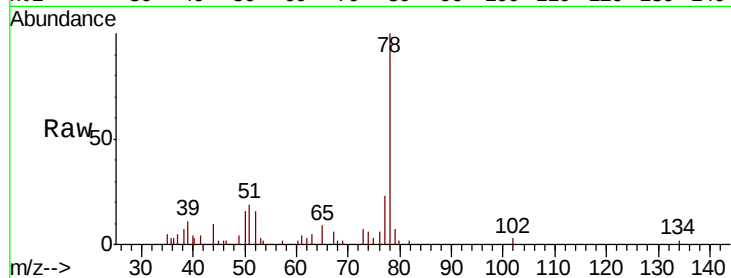
SS038RW082-190703

Tgt Ion: 78 Resp: 7760

Ion Ratio Lower Upper

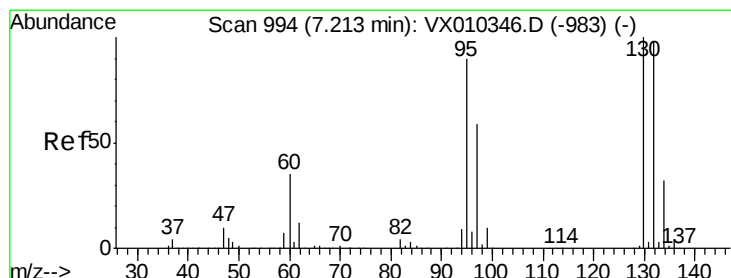
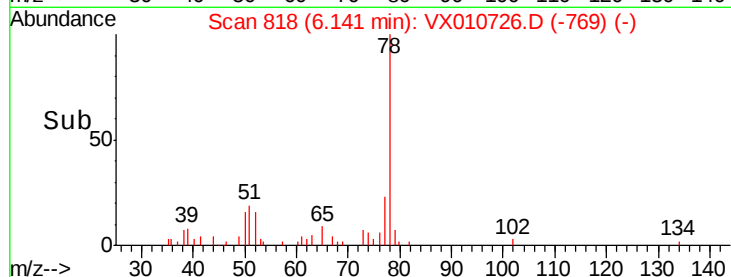
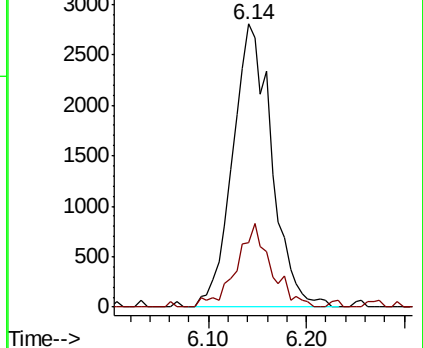
78 100

77 22.6 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#44

Trichloroethene

Concen: 1.302 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX010726.D

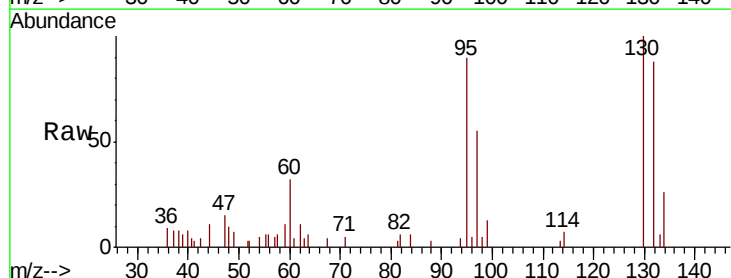
Acq: 09 Jul 2019 03:53

Tgt Ion: 130 Resp: 3448

Ion Ratio Lower Upper

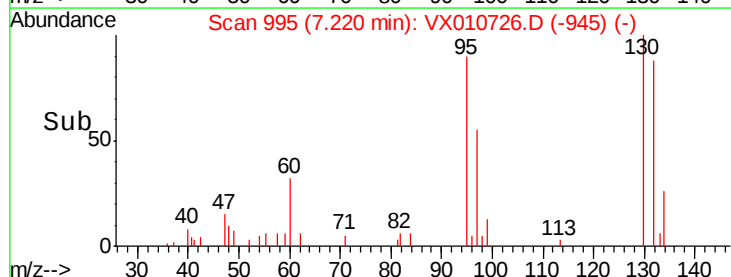
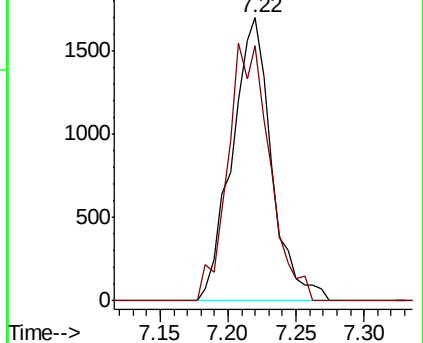
130 100

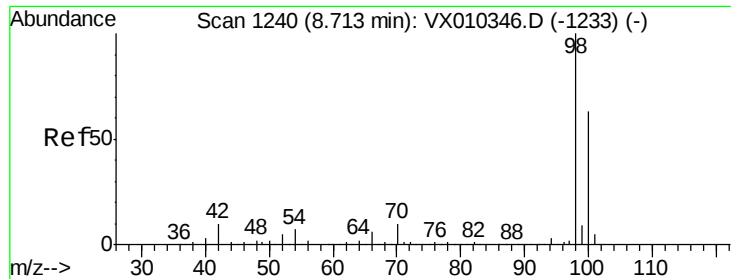
95 90.1 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

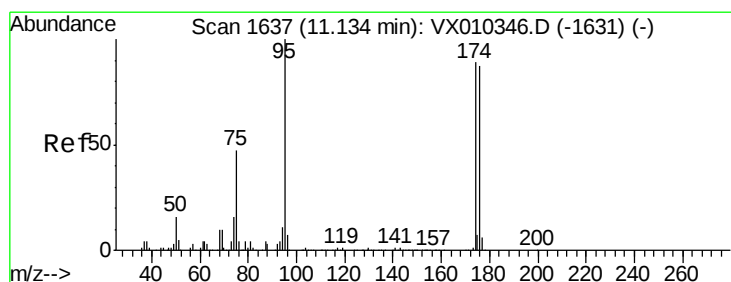
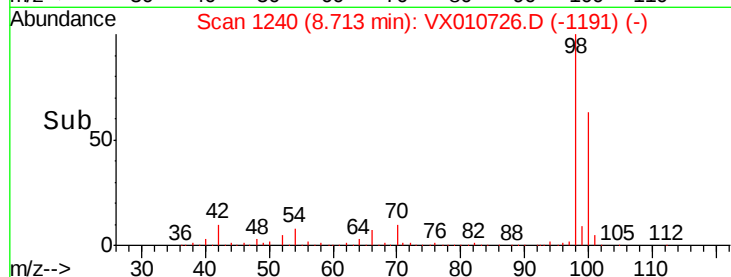
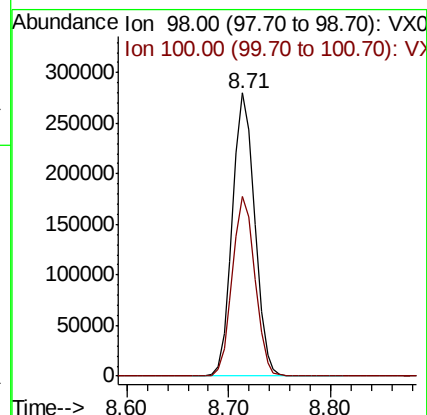
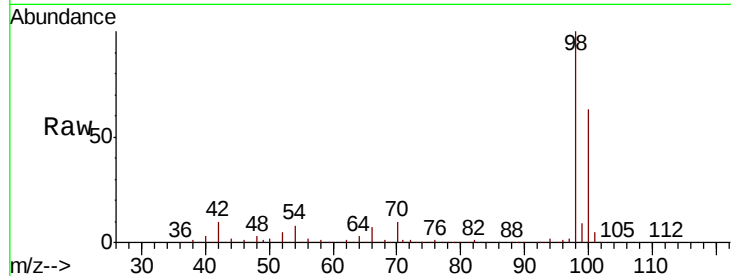




#50
Toluene-d8
Concen: 50.715 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010726.D
Acq: 09 Jul 2019 03:53

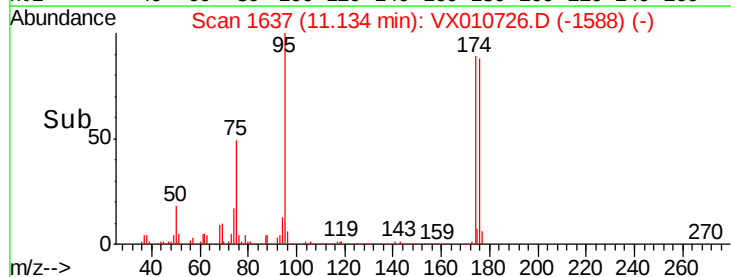
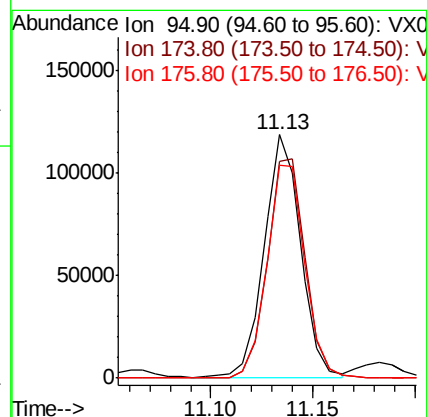
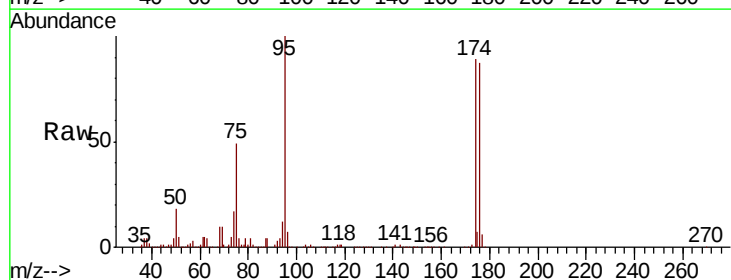
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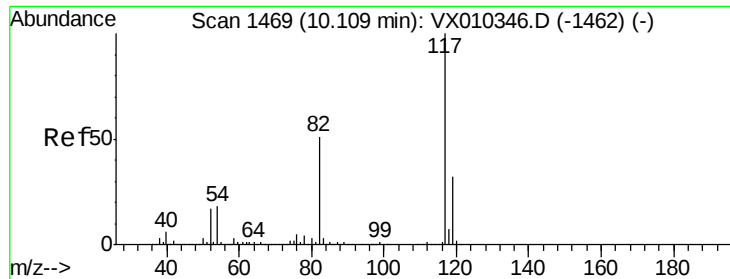
Tgt Ion: 98 Resp: 424289
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 48.566 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010726.D
Acq: 09 Jul 2019 03:53

Tgt Ion: 95 Resp: 146691
Ion Ratio Lower Upper
95 100
174 93.9 0.0 187.6
176 91.9 0.0 184.0

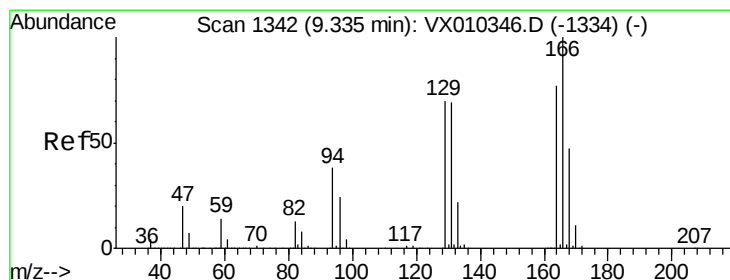
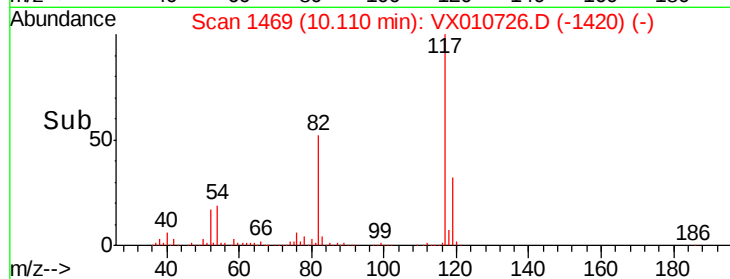
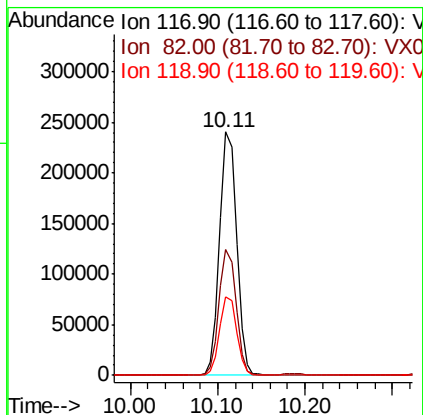
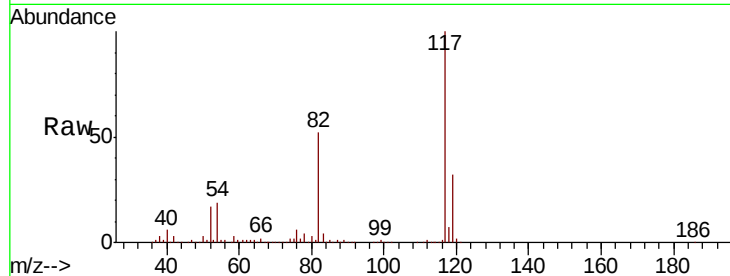




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010726.D
Acq: 09 Jul 2019 03:53

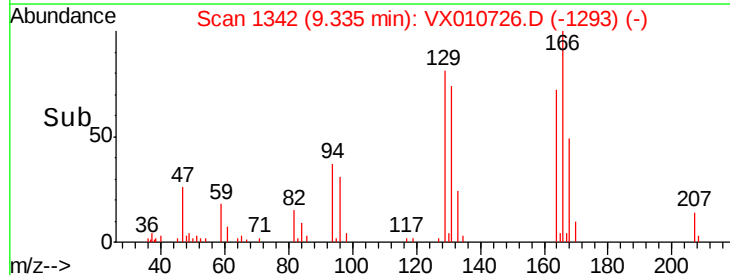
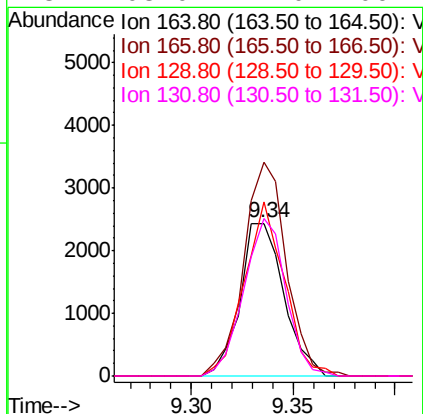
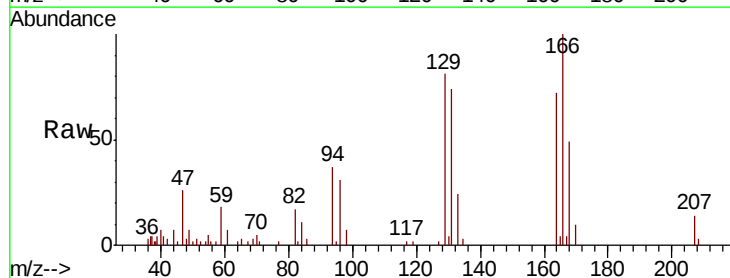
Instrument :
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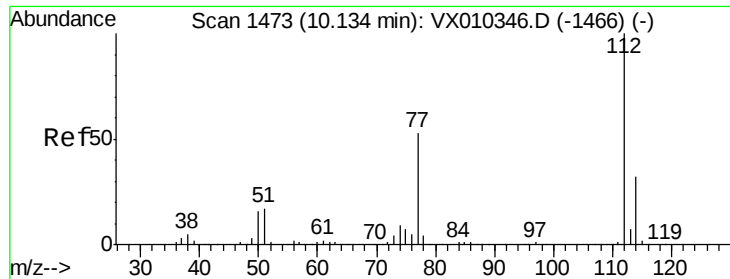
Tgt Ion:117 Resp: 324520
Ion Ratio Lower Upper
117 100
82 51.7 41.2 61.8
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 1.388 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010726.D
Acq: 09 Jul 2019 03:53

Tgt Ion:164 Resp: 3643
Ion Ratio Lower Upper
164 100
166 139.7 103.6 155.4
129 113.6 73.0 109.4#
131 103.0 71.0 106.4

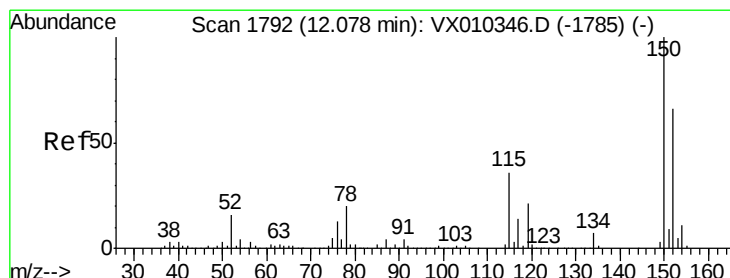
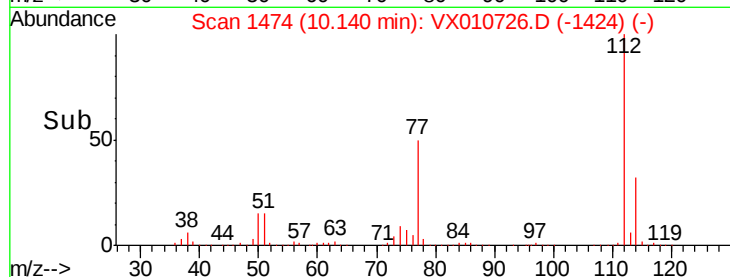
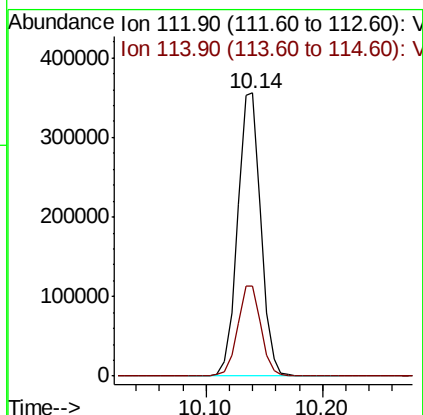
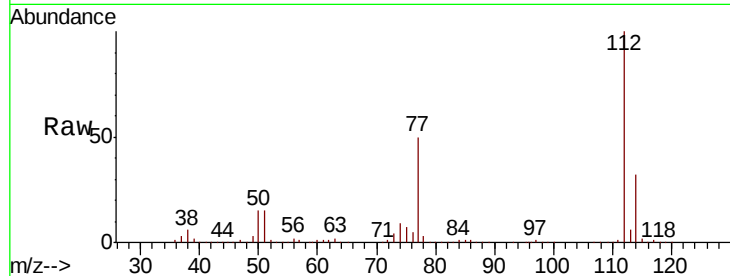




#65
Chlorobenzene
Concen: 74.879 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010726.D
Acq: 09 Jul 2019 03:53

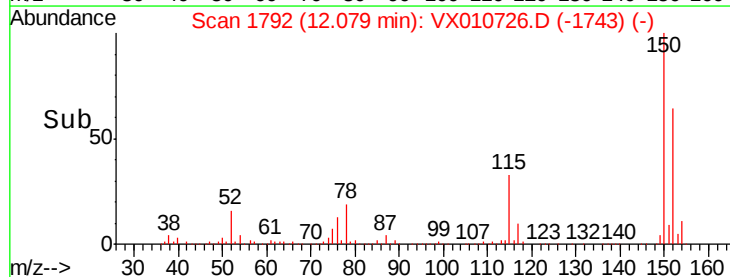
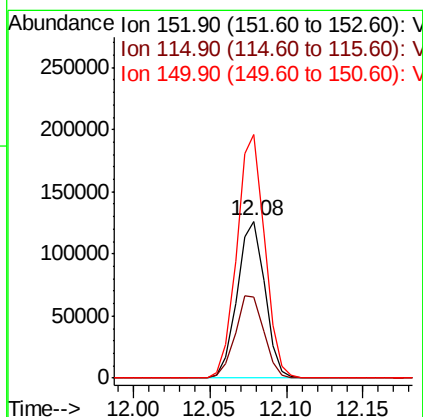
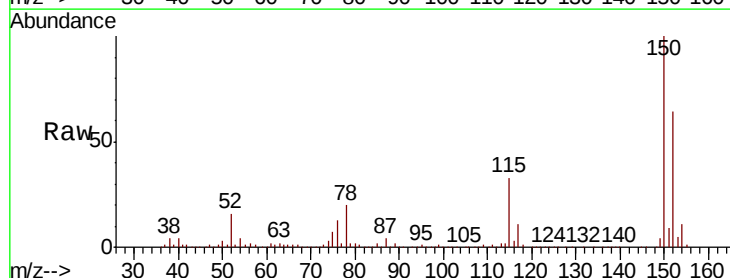
Instrument :
MSVOA_X
ClientSampleId :
SS038RW082-190703

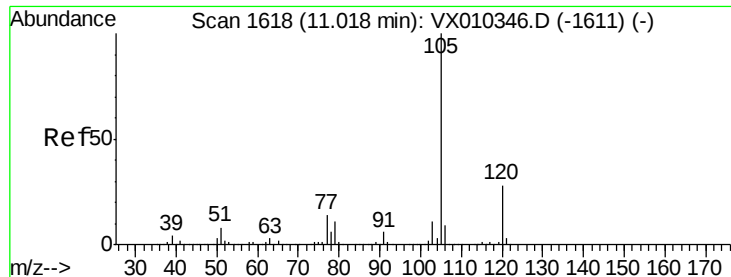
Tgt Ion:112 Resp: 493329
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010726.D
Acq: 09 Jul 2019 03:53

Tgt Ion:152 Resp: 158175
Ion Ratio Lower Upper
152 100
115 54.6 38.6 115.7
150 156.3 0.0 347.4





#73

Isopropylbenzene

Concen: 0.772 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010726.D

Acq: 09 Jul 2019 03:53

Instrument :

MSVOA_X

ClientSampleId :

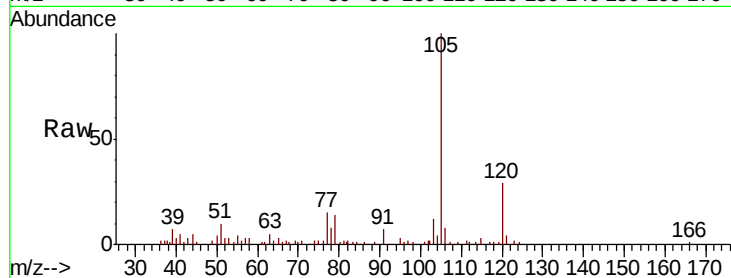
SS038RW082-190703

Tgt Ion:105 Resp: 8279

Ion Ratio Lower Upper

105 100

120 29.7 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

6000

4000

2000

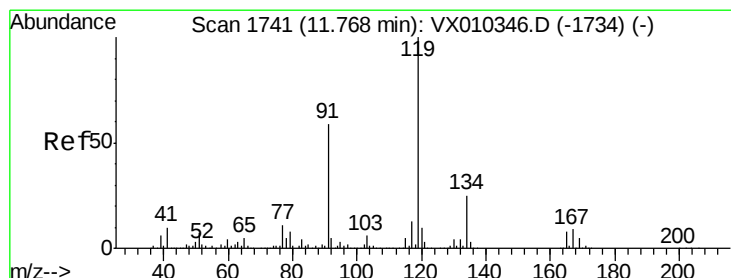
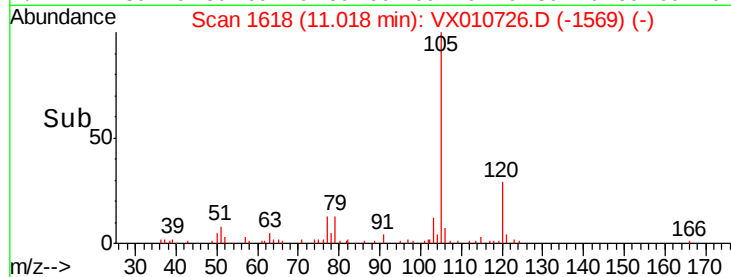
0

Time-->

10.95

11.00

11.05



#83

tert-Butylbenzene

Concen: 4.375 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010726.D

Acq: 09 Jul 2019 03:53

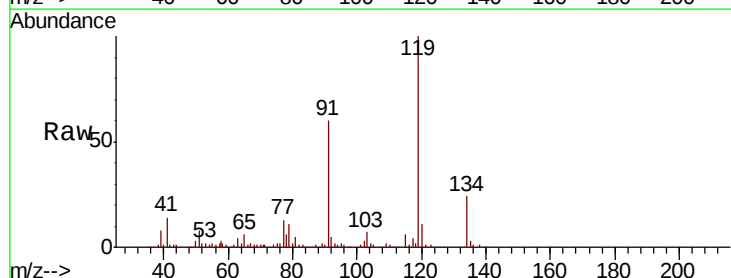
Tgt Ion:119 Resp: 38817

Ion Ratio Lower Upper

119 100

91 63.5 27.6 82.7

134 24.6 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V

40000

30000

20000

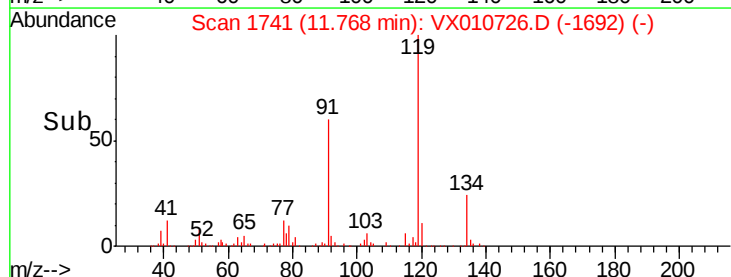
10000

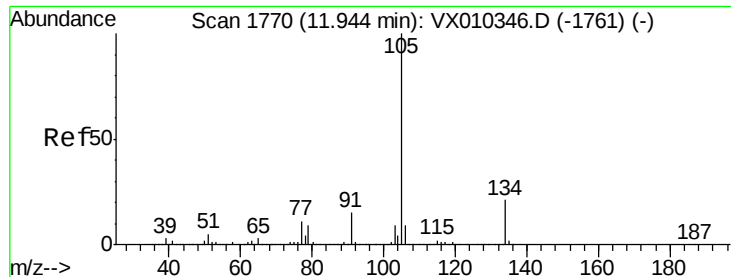
0

Time-->

11.70

11.80

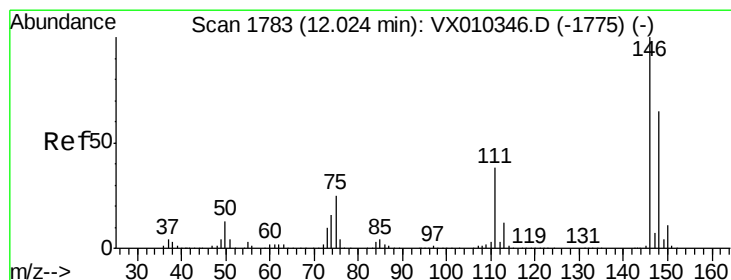
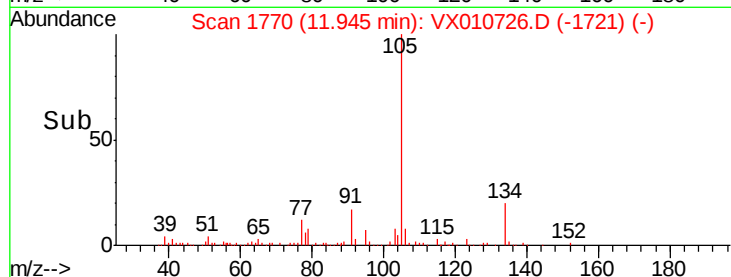
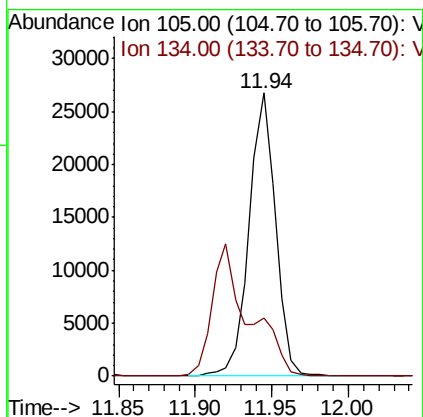
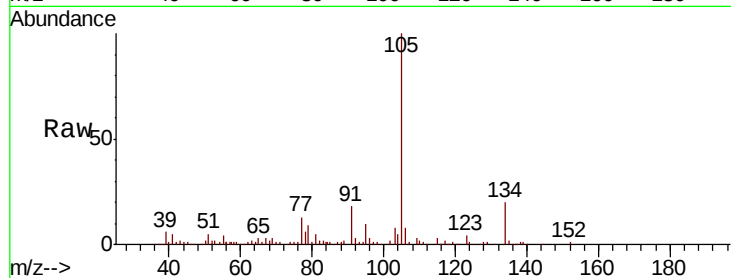




#85
 sec-Butylbenzene
 Concen: 3.085 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010726.D
 Acq: 09 Jul 2019 03:53

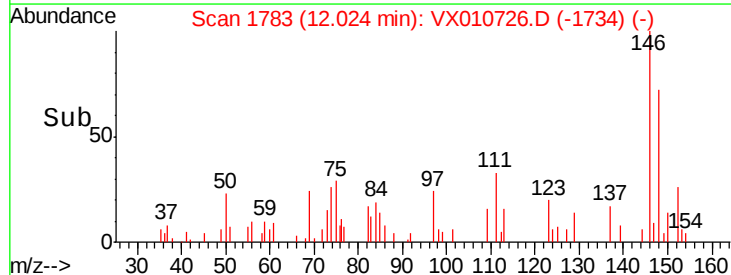
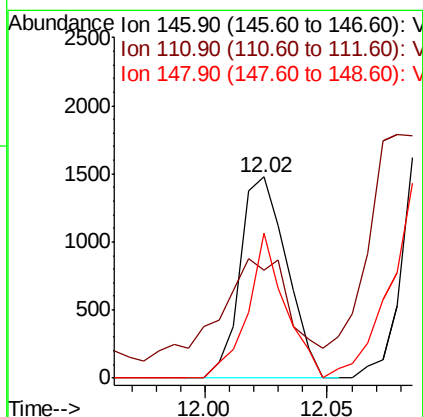
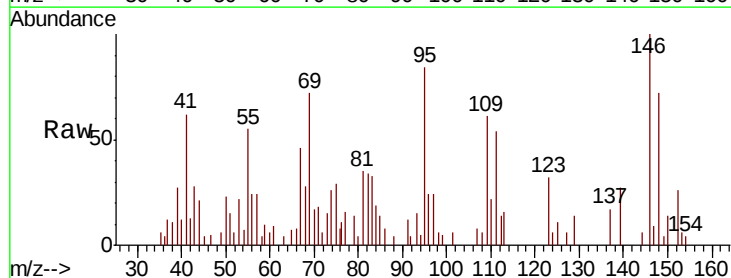
Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW082-190703

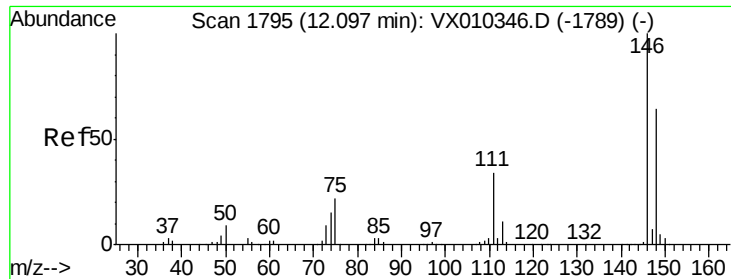
Tgt Ion:105 Resp: 32139
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.7 31.9#



#87
 1,3-Dichlorobenzene
 Concen: 0.372 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010726.D
 Acq: 09 Jul 2019 03:53

Tgt Ion:146 Resp: 1946
 Ion Ratio Lower Upper
 146 100
 111 95.7 19.1 57.1#
 148 58.6 32.5 97.4

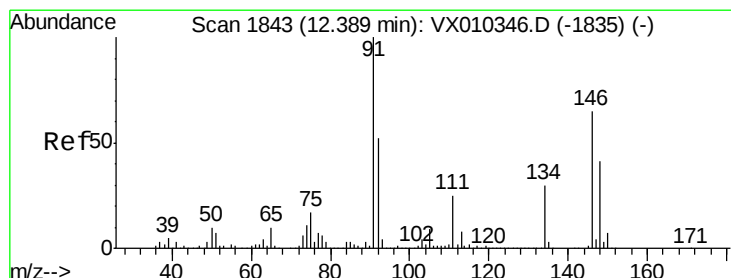
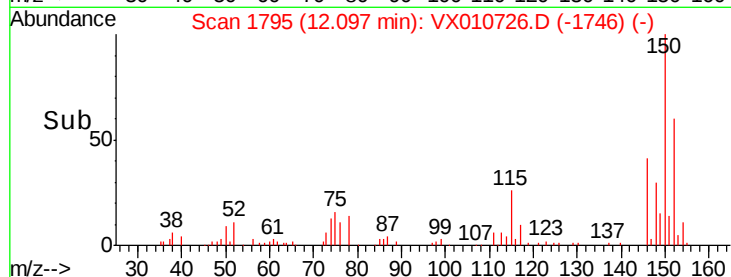
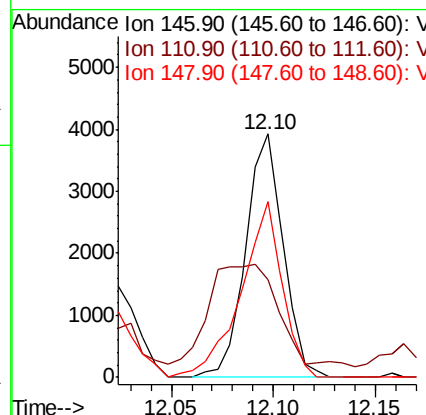
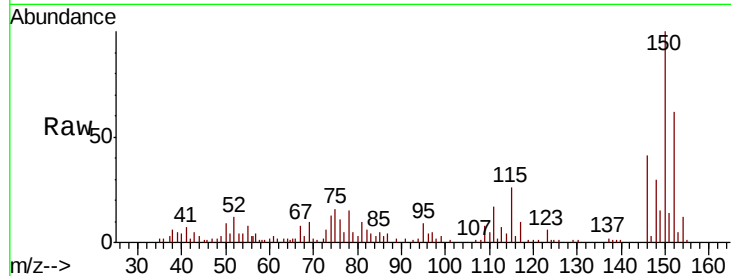




#88
 1,4-Dichlorobenzene
 Concen: 0.942 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010726.D
 Acq: 09 Jul 2019 03:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW082-190703

Tgt Ion:146 Resp: 5011
 Ion Ratio Lower Upper
 146 100
 111 80.8 18.1 54.3#
 148 79.3 32.1 96.3



#91
 1,2-Dichlorobenzene
 Concen: 0.449 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010726.D
 Acq: 09 Jul 2019 03:53

Tgt Ion:146 Resp: 2332
 Ion Ratio Lower Upper
 146 100
 111 52.2 19.2 57.6
 148 68.6 32.0 96.0

