

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061219\
 Data File : VX010252.D
 Acq On : 12 Jun 2019 15:48
 Operator : JC/SP
 Sample : K3309-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF017MW005-190610

Quant Time: Jun 13 02:24:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	314408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	477090	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	425230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198989	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	142280	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
35) Dibromofluoromethane	5.50	113	144121	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	8.71	98	557763	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	11.13	95	189310	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	

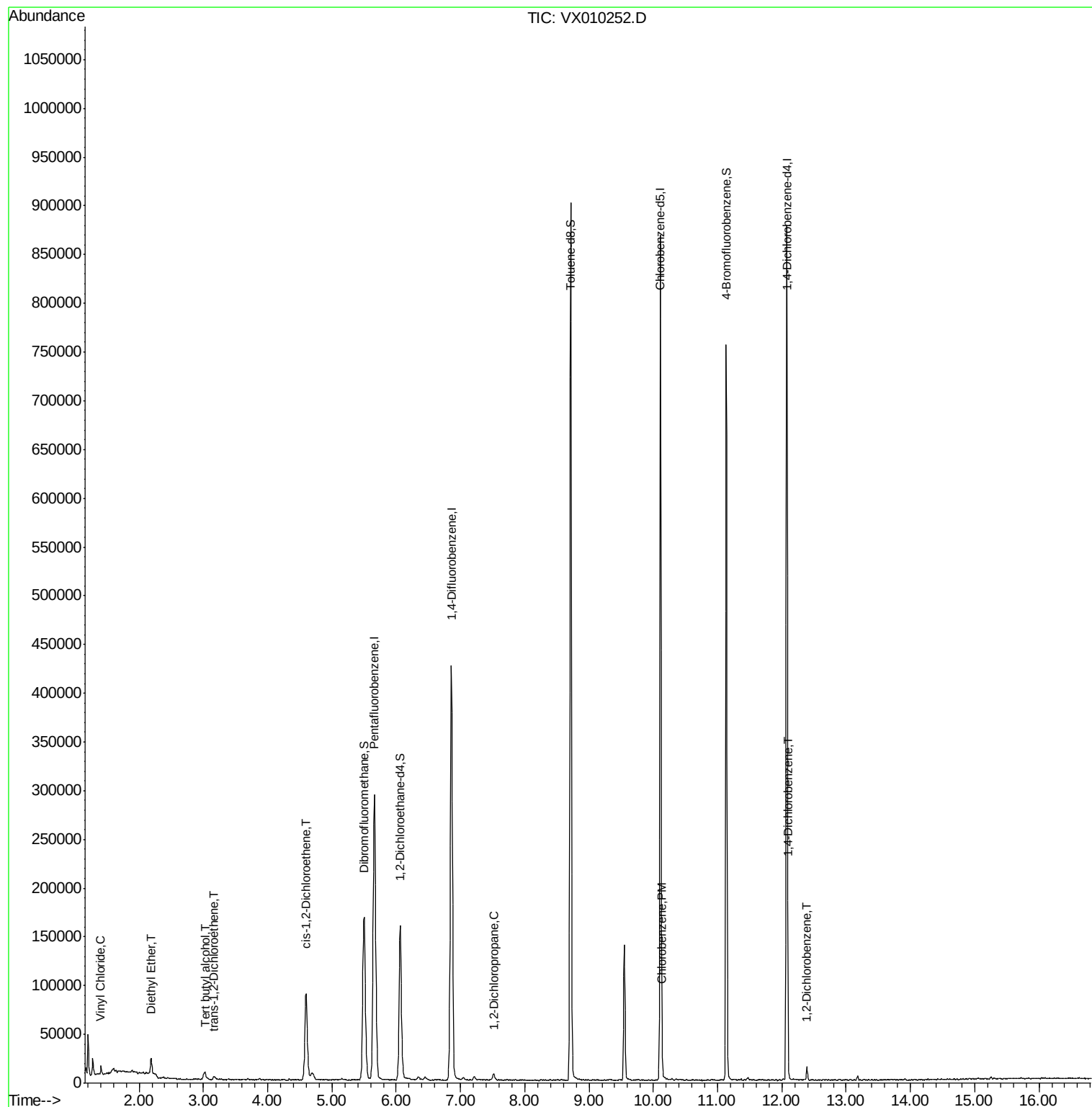
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	5673	2.101	ug/l	98
8) Diethyl Ether	2.19	74	6326	4.576	ug/l	71
11) Tert butyl alcohol	3.03	59	6549	8.711	ug/l #	85
21) trans-1,2-Dichloroethene	3.17	96	1472	0.471	ug/l #	81
27) cis-1,2-Dichloroethene	4.60	96	64532	18.561	ug/l	69
45) 1,2-Dichloropropane	7.52	63	2429	0.806	ug/l #	86
65) Chlorobenzene	10.14	112	5789	0.660	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	6345	0.935	ug/l #	74
91) 1,2-Dichlorobenzene	12.39	146	4384	0.670	ug/l	97

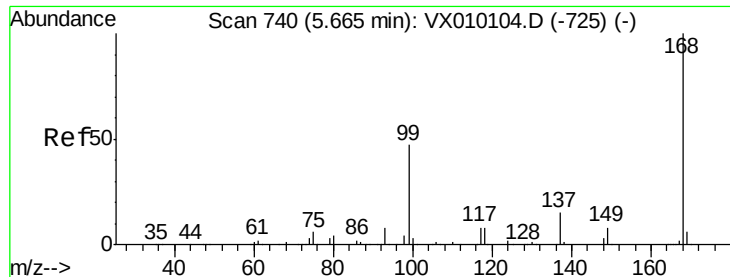
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010252.D

Acq: 12 Jun 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

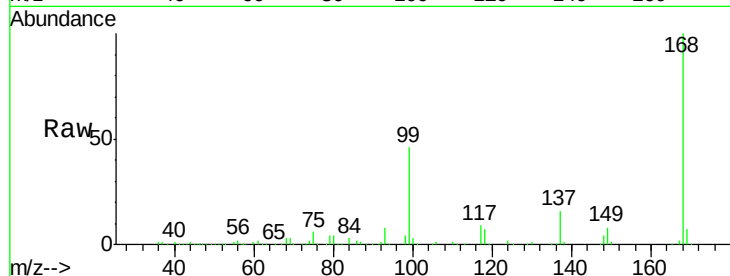
LF017MW005-190610

Tot Ion:168 Resp: 314408

Ion Ratio Lower Upper

168 100

99 45.7 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

120000

100000

80000

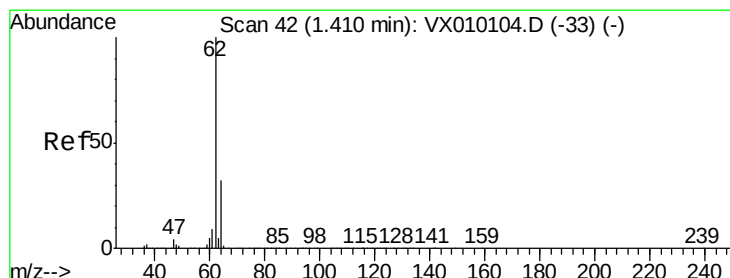
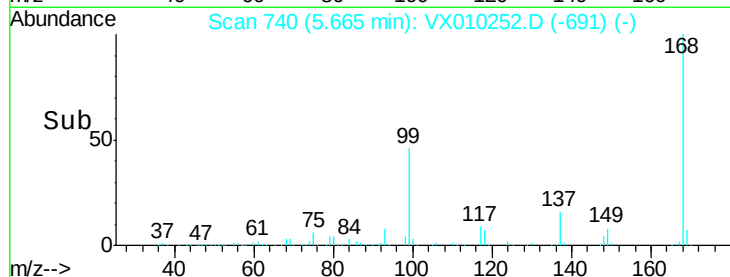
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 2.101 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010252.D

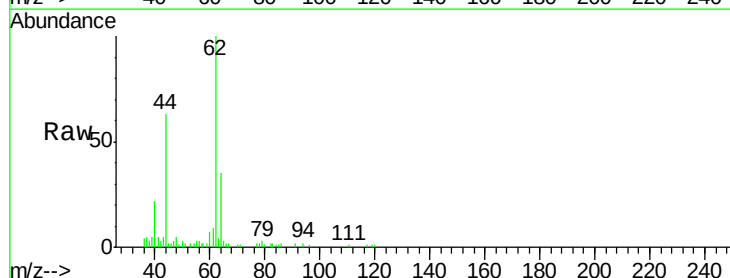
Acq: 12 Jun 2019 15:48

Tgt Ion: 62 Resp: 5673

Ion Ratio Lower Upper

62 100

64 31.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

6000

5000

4000

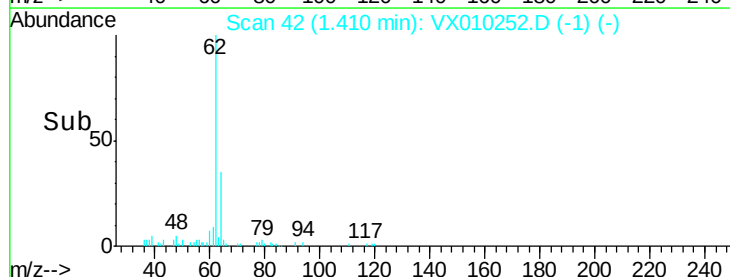
3000

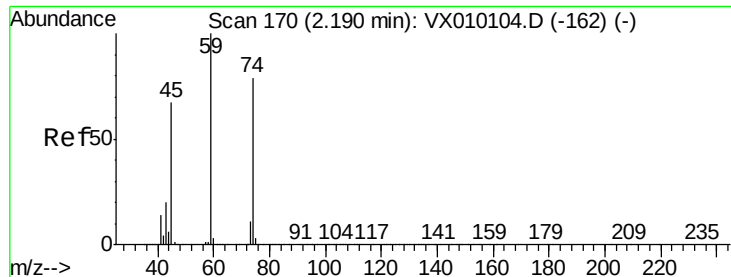
2000

1000

0

Time--> 1.35 1.40 1.45





#8

Diethyl Ether

Concen: 4.576 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX010252.D

Acq: 12 Jun 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

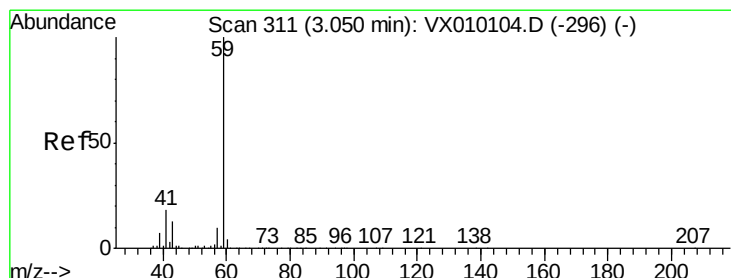
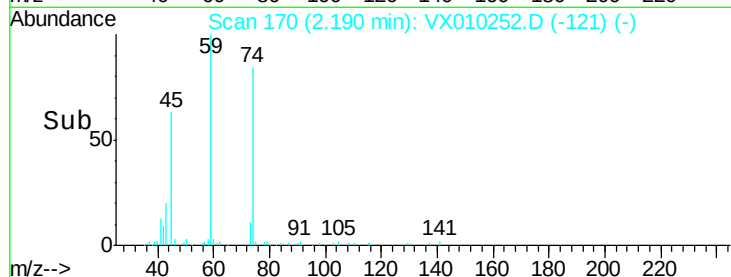
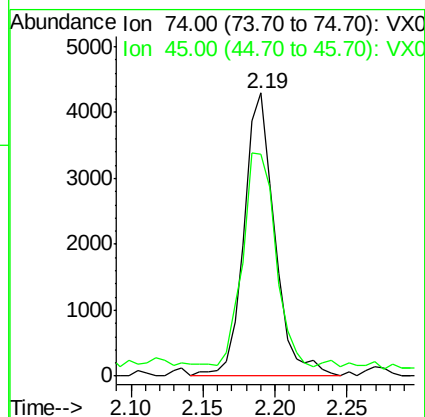
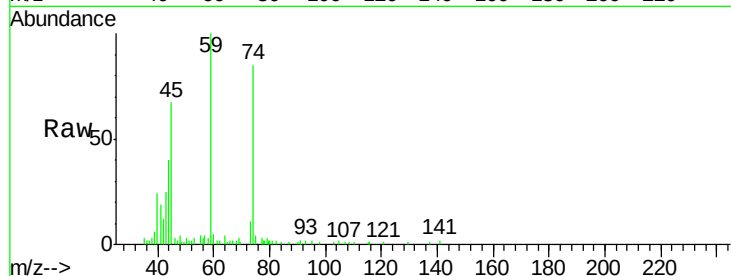
LF017MW005-190610

Tot Ion: 74 Resp: 6326

Ion Ratio Lower Upper

74 100

45 80.8 56.1 168.3



#11

Tert butyl alcohol

Concen: 8.711 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX010252.D

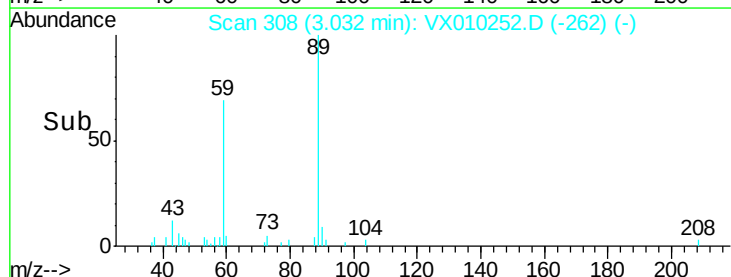
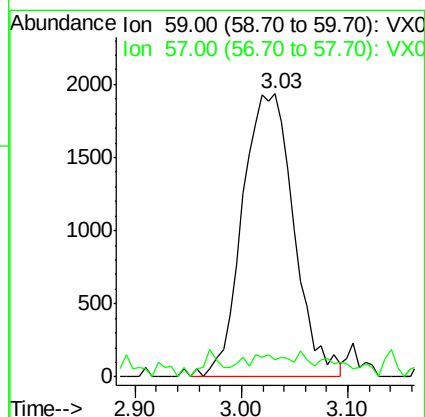
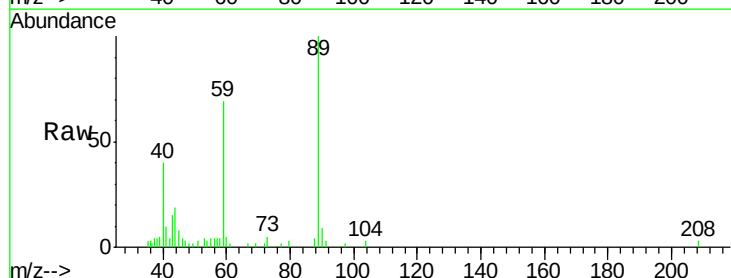
Acq: 12 Jun 2019 15:48

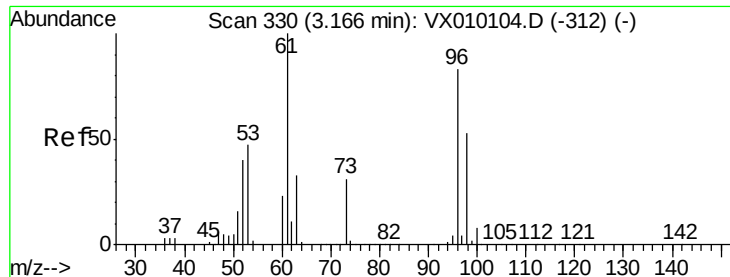
Tgt Ion: 59 Resp: 6549

Ion Ratio Lower Upper

59 100

57 4.5 8.2 12.2#





#21

trans-1,2-Dichloroethene

Concen: 0.471 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX010252.D

Acq: 12 Jun 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

LF017MW005-190610

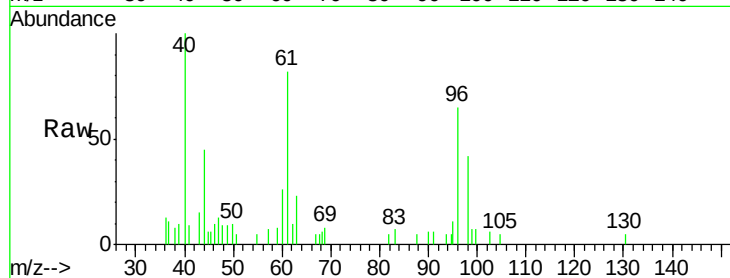
Tot Ion: 96 Resp: 1472

Ion Ratio Lower Upper

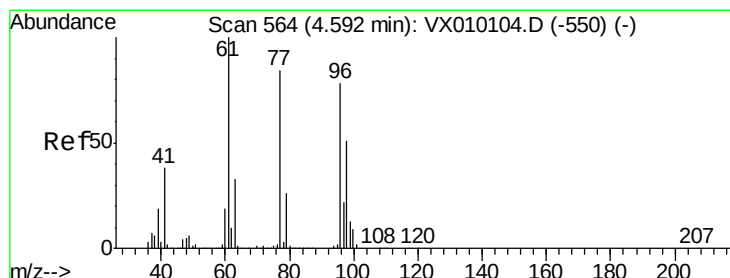
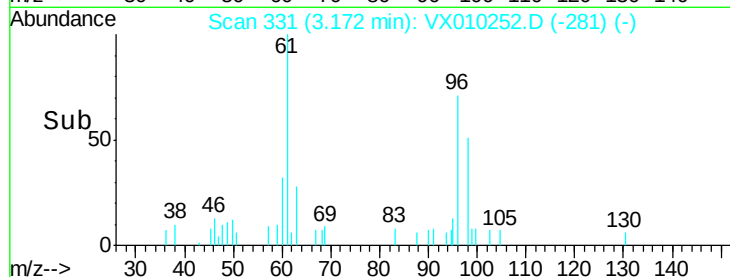
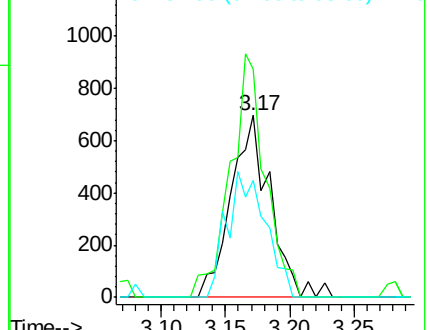
96 100

61 125.3 125.7 188.5#

98 64.4 49.0 73.6



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



#27

cis-1,2-Dichloroethene

Concen: 18.561 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX010252.D

Acq: 12 Jun 2019 15:48

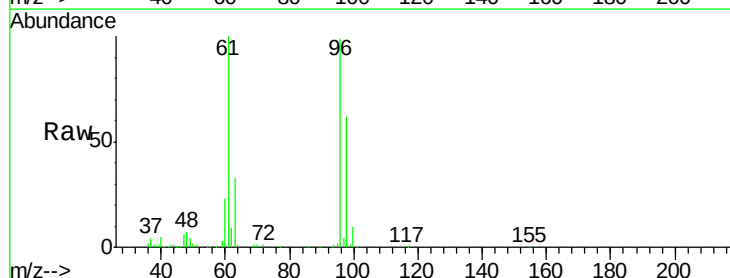
Tgt Ion: 96 Resp: 64532

Ion Ratio Lower Upper

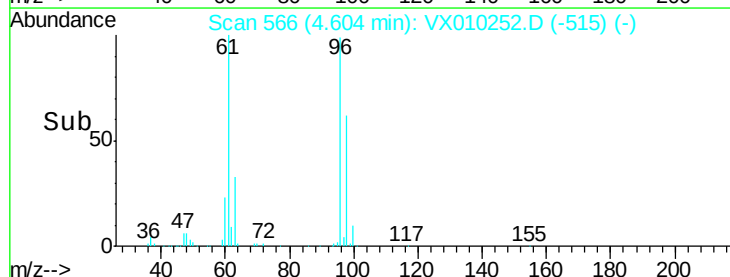
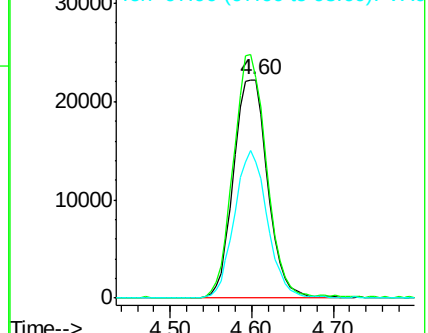
96 100

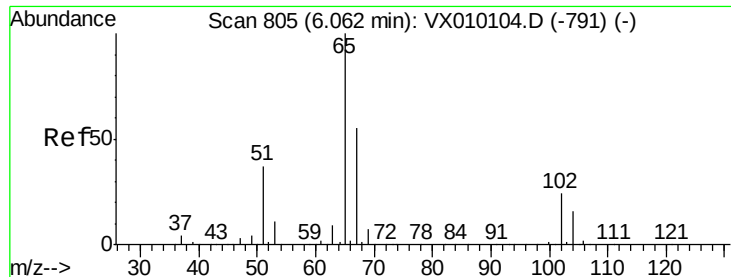
61 107.8 0.0 334.0

98 65.5 0.0 131.6



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

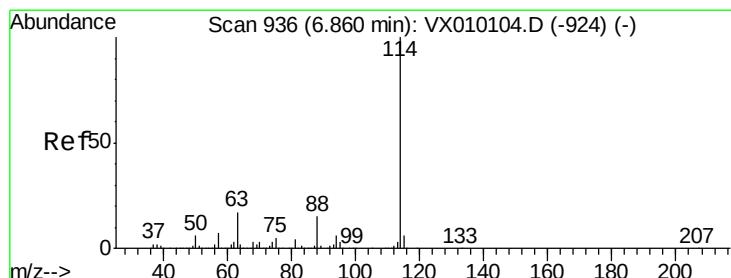
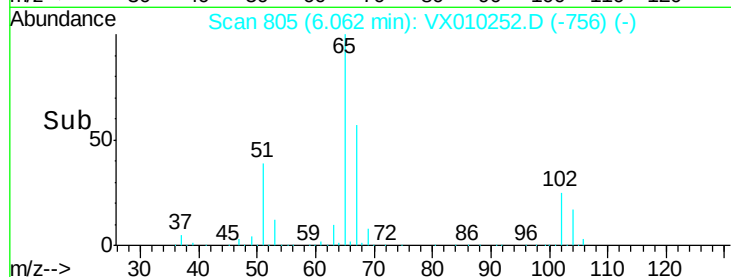
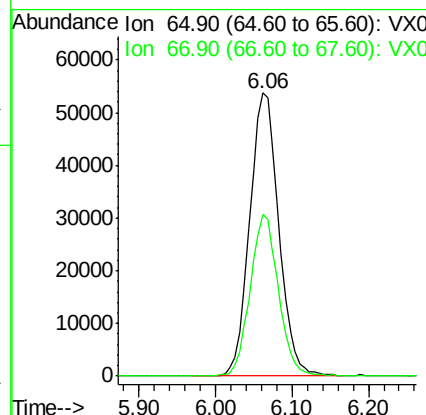
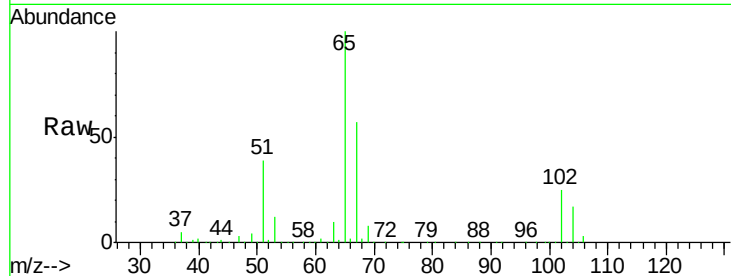




#33
 1,2-Dichloroethane-d4
 Concen: 46.361 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010252.D
 Acq: 12 Jun 2019 15:48

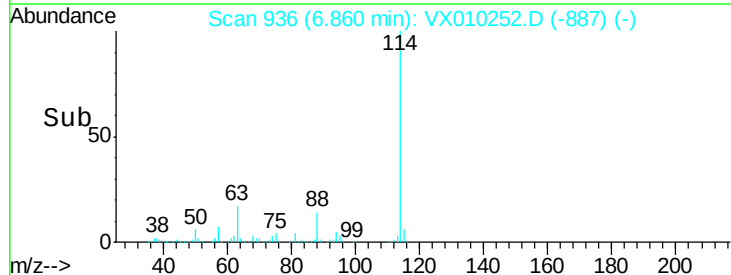
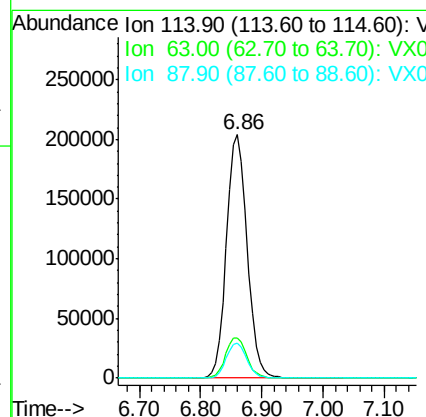
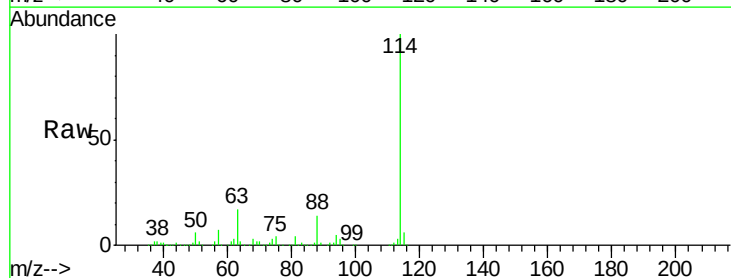
Instrument :
 MSVOA_X
 ClientSampleId :
 LF017MW005-190610

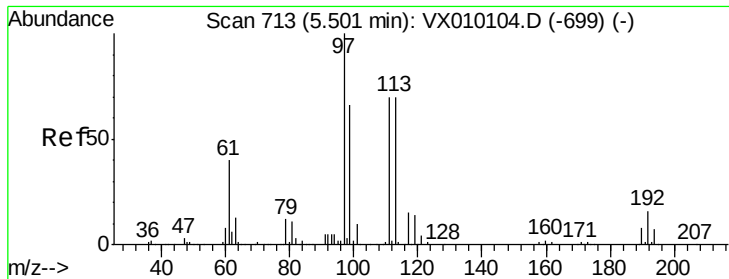
Tot Ion: 65 Resp: 142280
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010252.D
 Acq: 12 Jun 2019 15:48

Tgt Ion: 114 Resp: 477090
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 47.4
 88 14.2 0.0 33.0

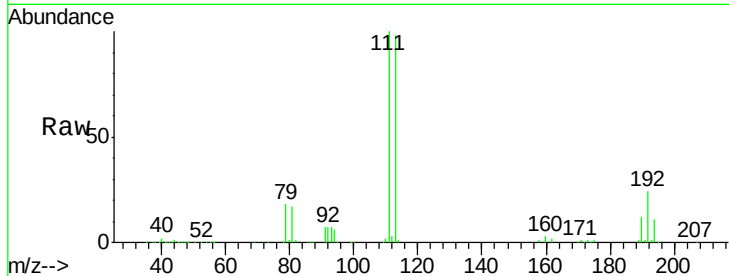




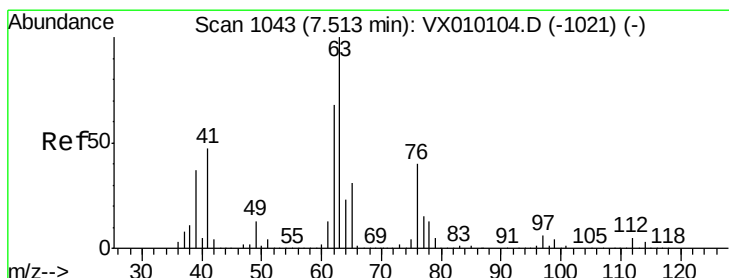
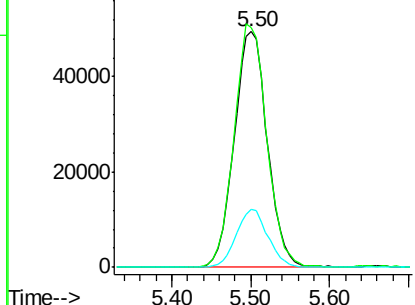
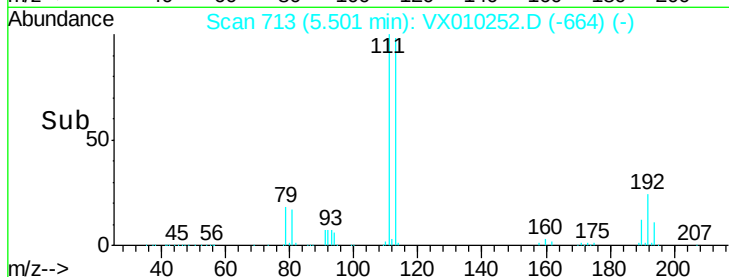
#35
 Dibromofluoromethane
 Concen: 48.974 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010252.D
 Acq: 12 Jun 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LF017MW005-190610

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.2
192	23.5	17.1	25.7

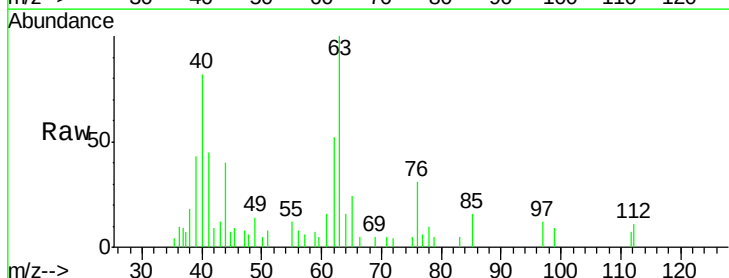


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

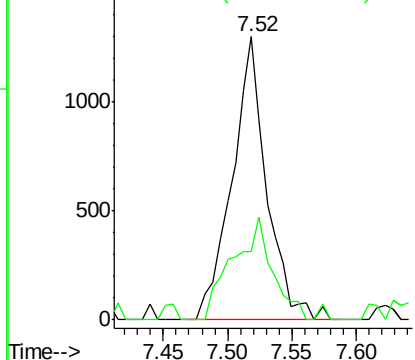
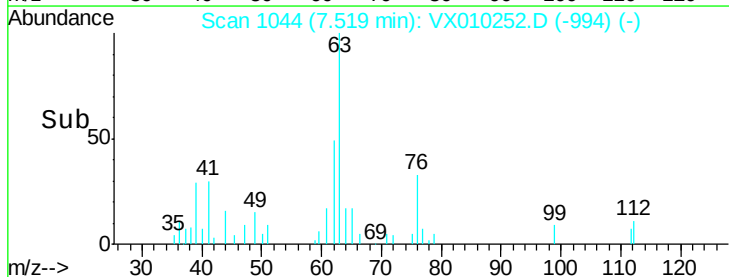


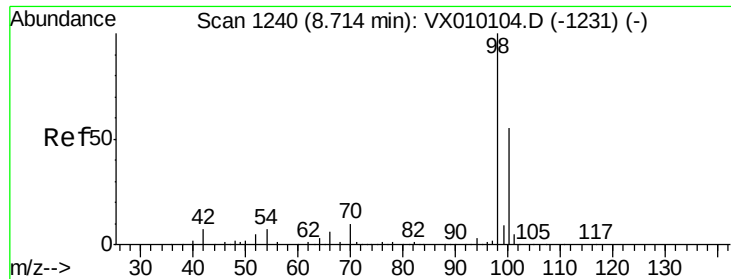
#45
 1,2-Dichloropropane
 Concen: 0.806 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX010252.D
 Acq: 12 Jun 2019 15:48

Tgt Ion	Ratio	Lower	Upper
63	100		
65	24.2	25.7	38.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 64.90 (64.60 to 65.60): VX0





#50

Toluene-d8

Concen: 50.572 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010252.D

Acq: 12 Jun 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

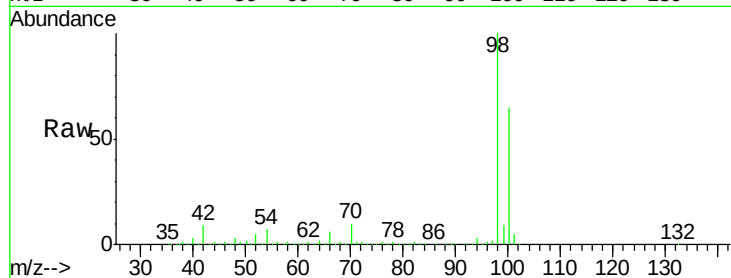
LF017MW005-190610

Tot Ion: 98 Resp: 557763

Ion Ratio Lower Upper

98 100

100 64.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

400000

300000

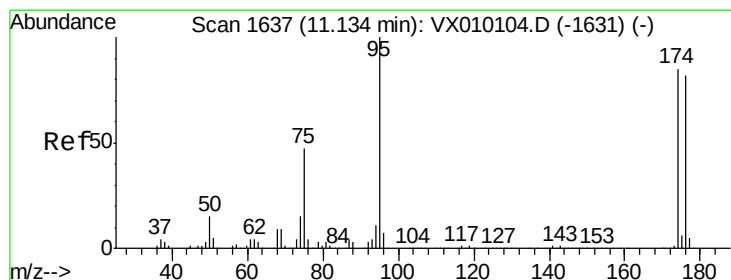
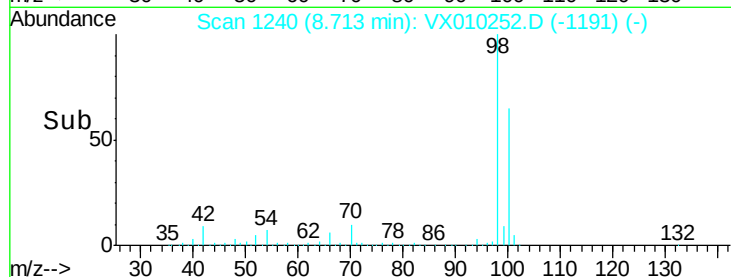
200000

100000

0

Time-->

8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 45.961 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010252.D

Acq: 12 Jun 2019 15:48

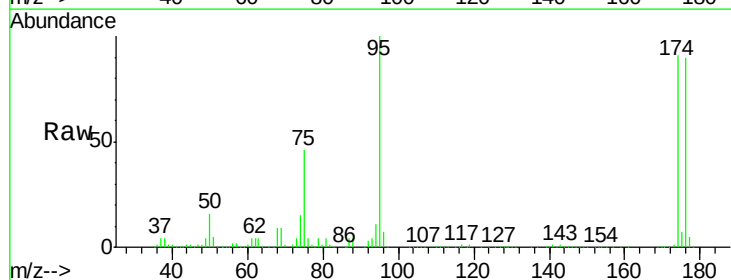
Tgt Ion: 95 Resp: 189310

Ion Ratio Lower Upper

95 100

174 95.3 0.0 160.4

176 93.5 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

200000

150000

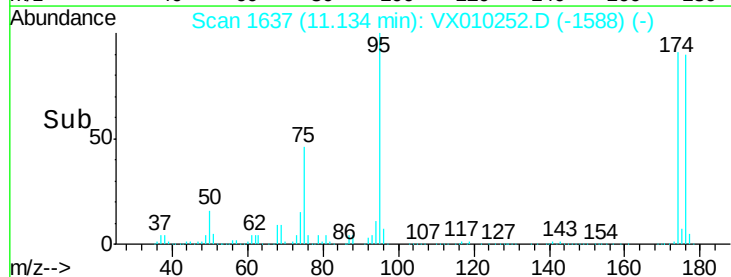
100000

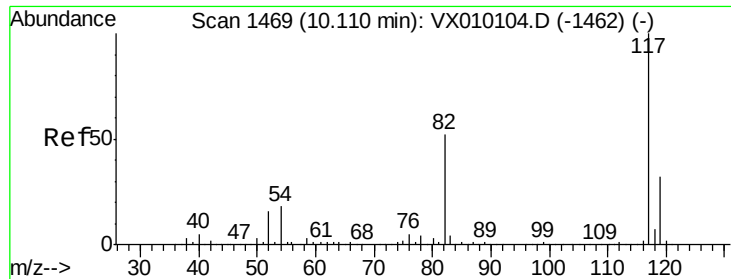
50000

0

Time-->

11.10 11.20

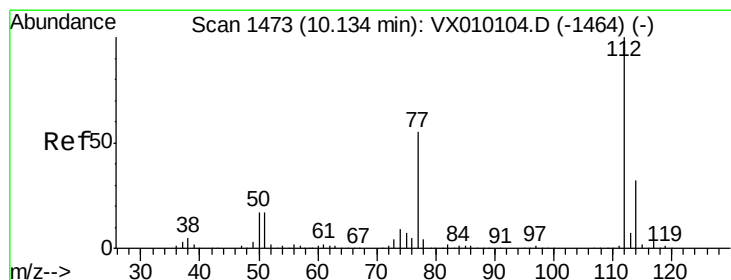
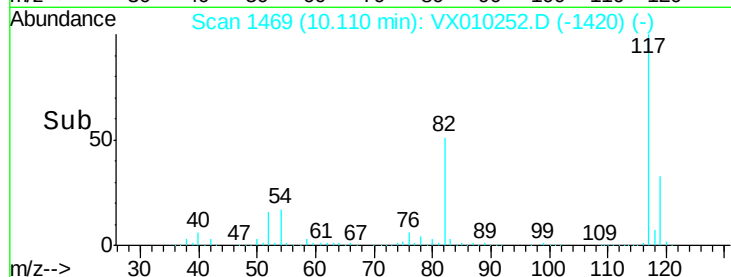
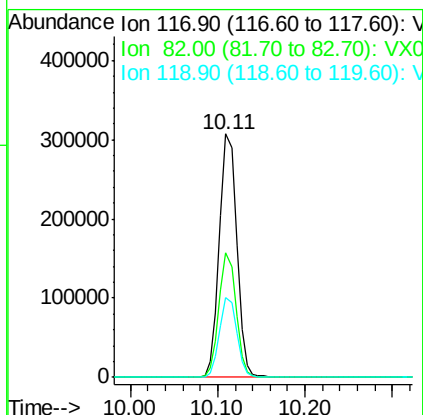
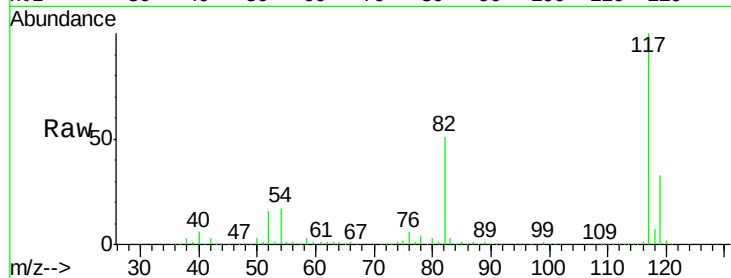




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010252.D
Acq: 12 Jun 2019 15:48

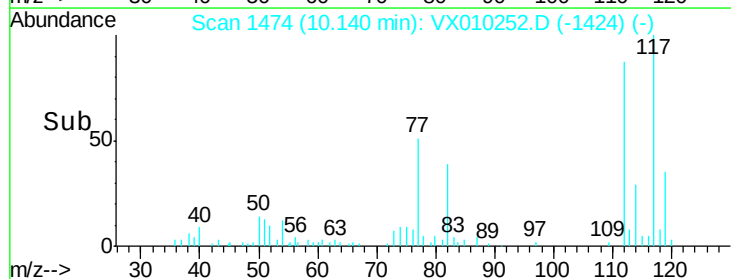
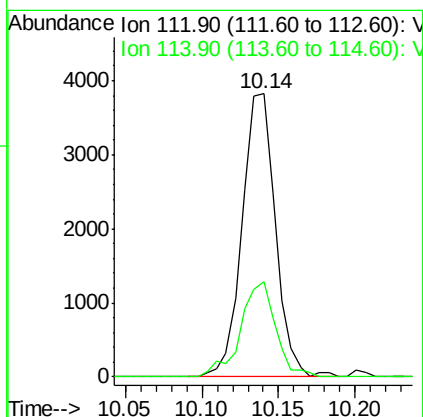
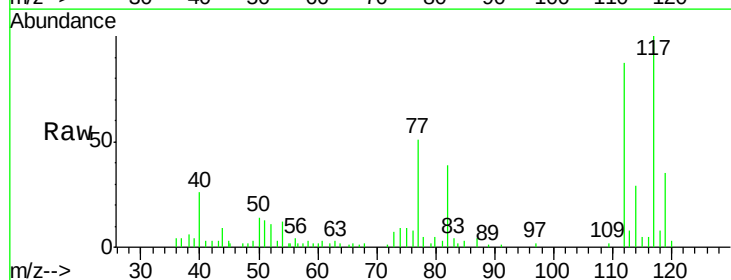
Instrument :
MSVOA_X
ClientSampleId :
LF017MW005-190610

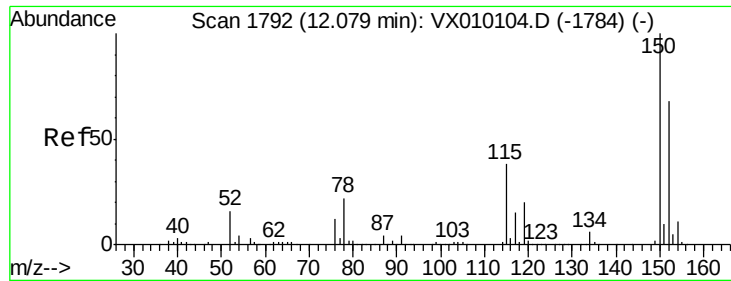
Tot Ion:117 Resp: 425230
Ion Ratio Lower Upper
117 100
82 51.1 49.2 73.8
119 32.7 25.2 37.8



#65
Chlorobenzene
Concen: 0.660 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010252.D
Acq: 12 Jun 2019 15:48

Tgt Ion:112 Resp: 5789
Ion Ratio Lower Upper
112 100
114 33.5 25.8 38.8



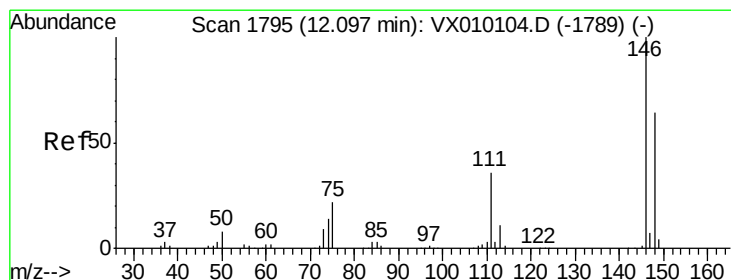
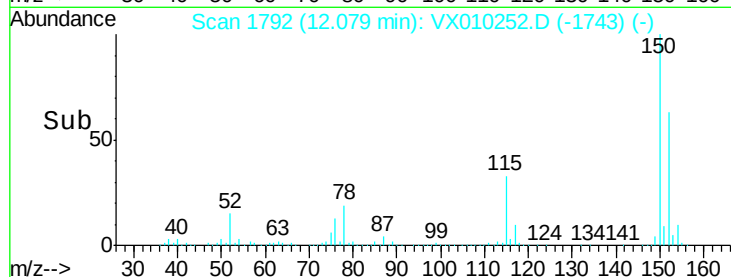
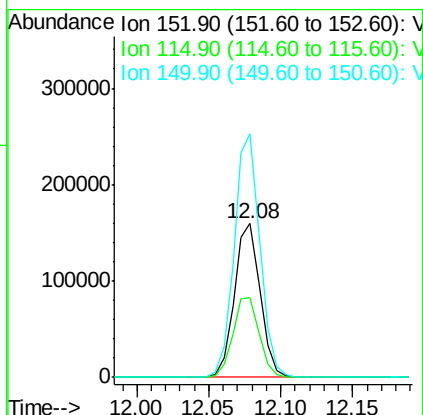
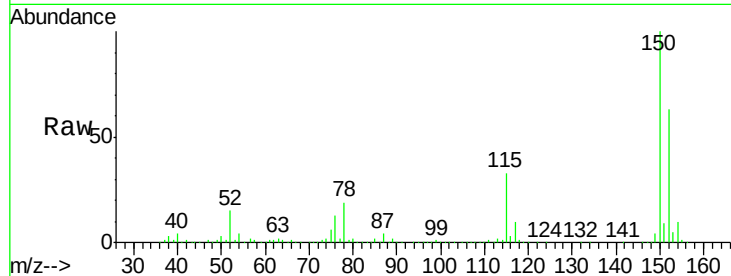


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010252.D
Acq: 12 Jun 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
LF017MW005-190610

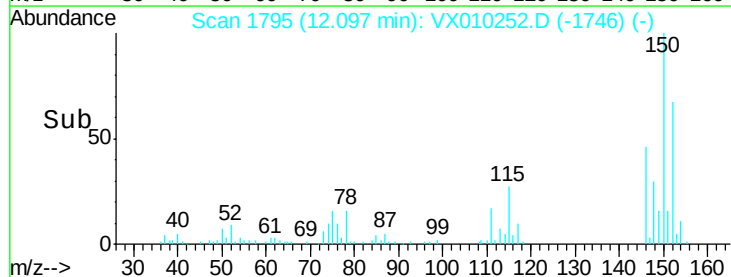
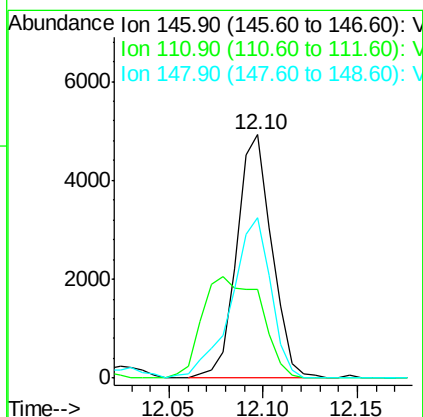
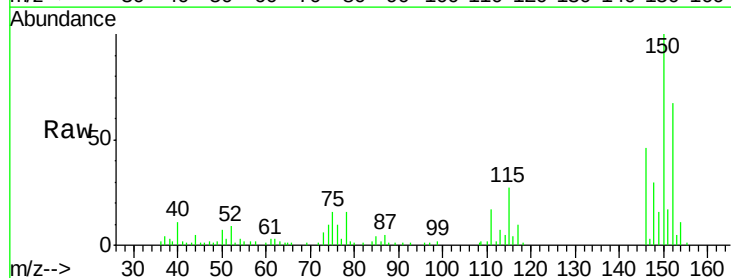
Tot Ion:152 Resp: 198989
Ion Ratio Lower Upper
152 100
115 53.9 41.4 124.2
150 158.5 0.0 345.2

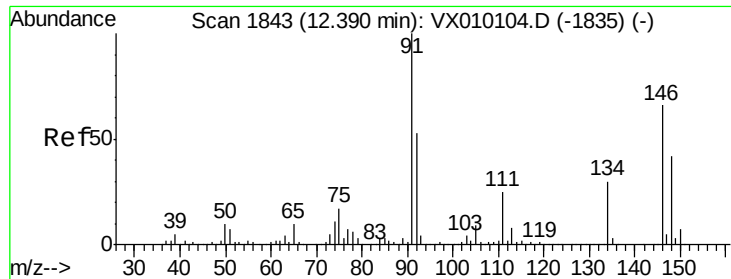


#88

1,4-Dichlorobenzene
Concen: 0.935 ug/l
RT: 12.10 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VX010252.D
Acq: 12 Jun 2019 15:48

Tgt Ion:146 Resp: 6345
Ion Ratio Lower Upper
146 100
111 69.5 20.0 59.9#
148 74.2 32.3 96.9

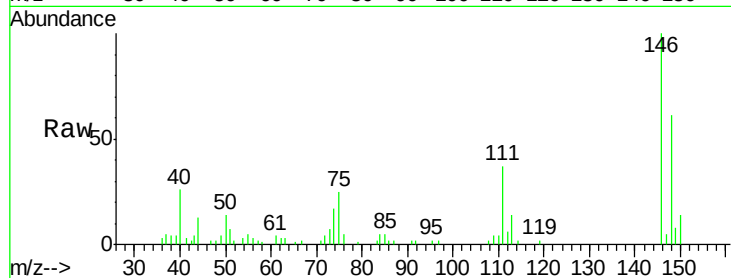




#91
 1,2-Dichlorobenzene
 Concen: 0.670 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010252.D
 Acq: 12 Jun 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LF017MW005-190610

Tot Ion:146 Resp: 4384
 Ion Ratio Lower Upper
 146 100
 111 40.0 21.1 63.1
 148 66.3 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

