

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060419\
 Data File : VX010055.D
 Acq On : 04 Jun 2019 12:26
 Operator : JC/SP
 Sample : K3131-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 07:18:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	171954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	272690	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111126	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	112973	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
35) Dibromofluoromethane	5.50	113	83902	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
50) Toluene-d8	8.71	98	346020	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	117748	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	

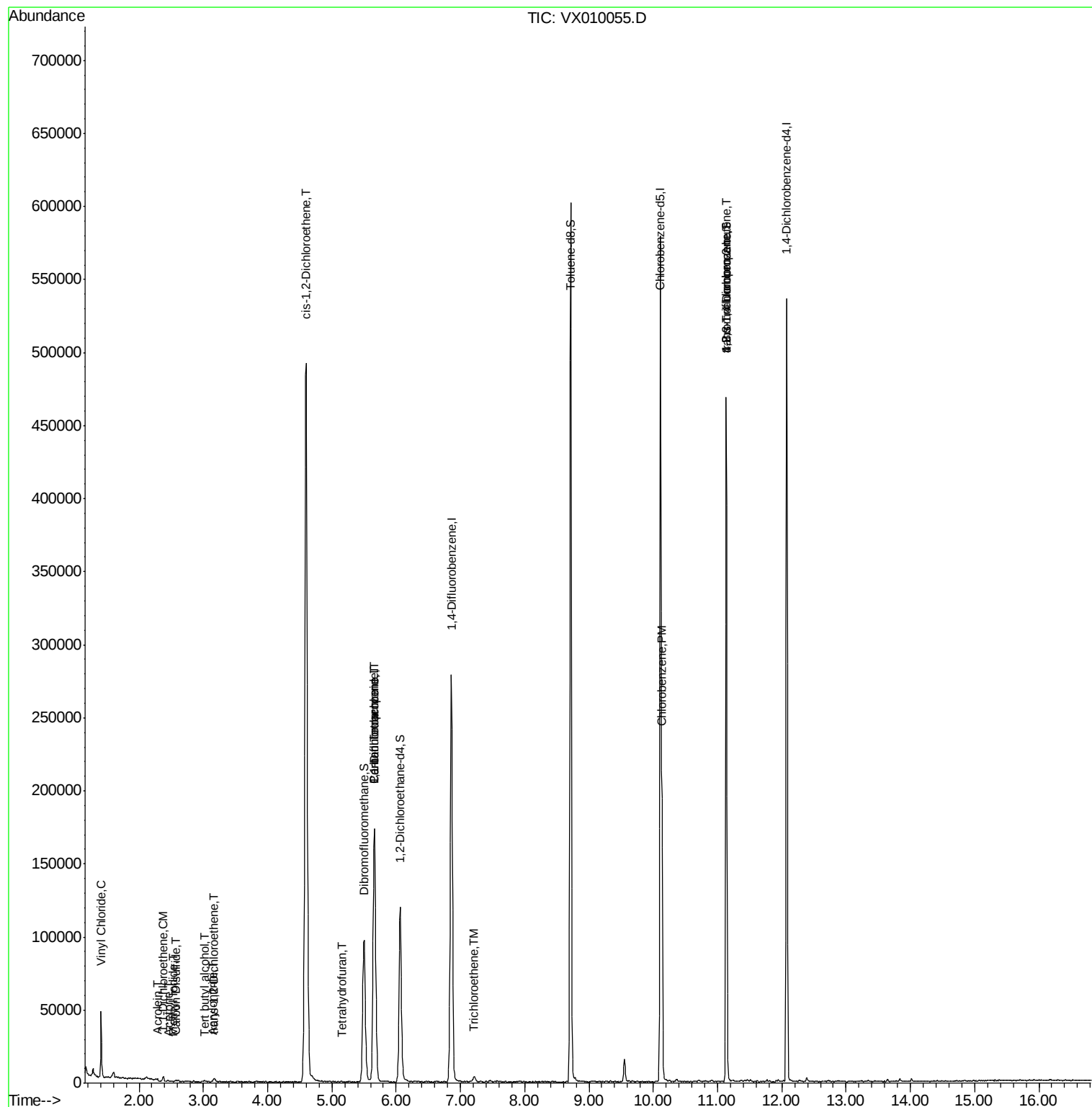
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	31295	12.289	ug/l	99
10) Methyl Iodide	2.52	142	386	4.823	ug/l #	63
11) Tert butyl alcohol	3.02	59	623	1.042	ug/l #	73
12) 1,1-Dichloroethene	2.38	96	920	0.528	ug/l	97
13) Acrolein	2.29	56	222	21.577	ug/l #	46
15) Acrylonitrile	3.15	53	349	0.242	ug/l #	76
16) Acetone	2.45	43	862	0.614	ug/l	98
17) Carbon Disulfide	2.57	76	1437	0.655	ug/l #	89
21) trans-1,2-Dichloroethene	3.17	96	799	0.412	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	306644	137.098	ug/l	86
29) Tetrahydrofuran	5.16	42	338	0.241	ug/l #	39
36) 1,1-Dichloropropene	5.66	75	13639	4.930	ug/l #	51
38) Carbon Tetrachloride	5.67	117	15726	6.578	ug/l #	15
44) Trichloroethene	7.21	130	1296	0.650	ug/l	78
65) Chlorobenzene	10.13	112	71440	13.755	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	60736	22.856	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60736	56.549	ug/l #	10

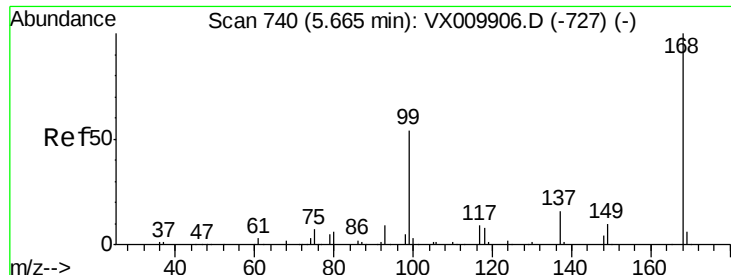
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010055.D

Acq: 04 Jun 2019 12:26

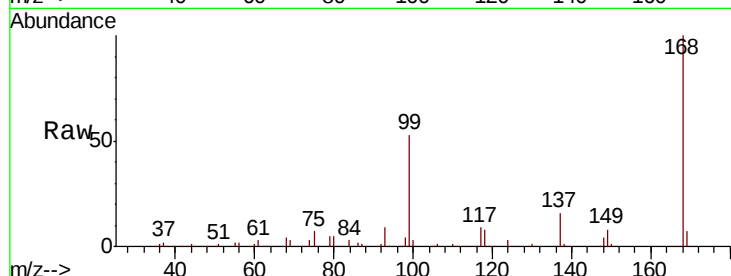
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 171954

Ion Ratio Lower Upper

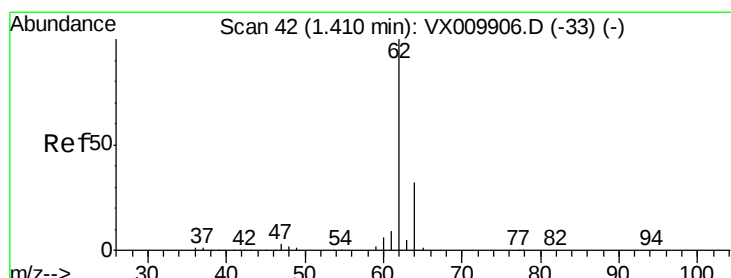
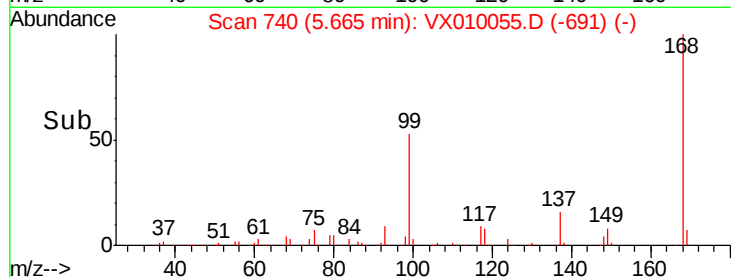
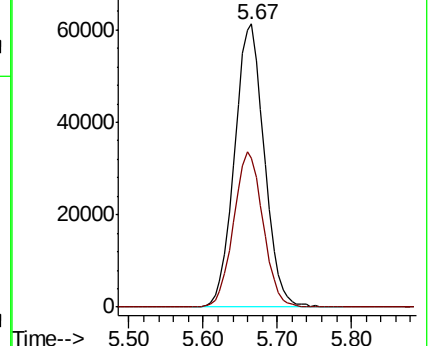
168 100

99 52.7 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 12.289 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010055.D

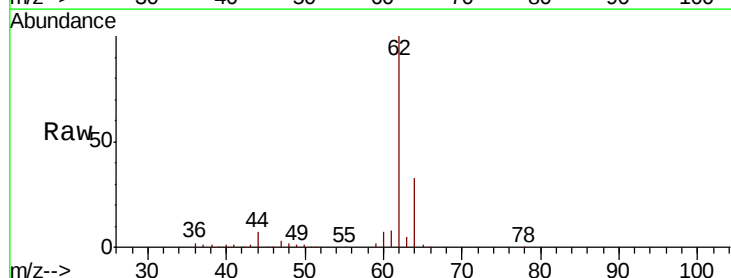
Acq: 04 Jun 2019 12:26

Tgt Ion: 62 Resp: 31295

Ion Ratio Lower Upper

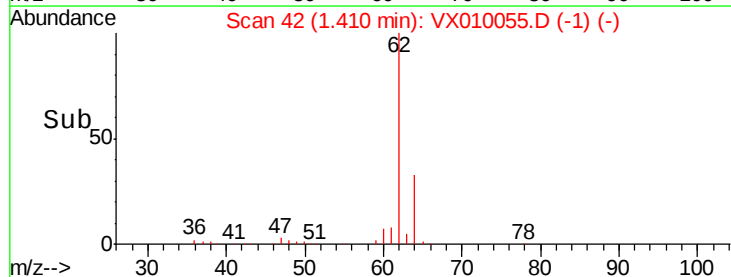
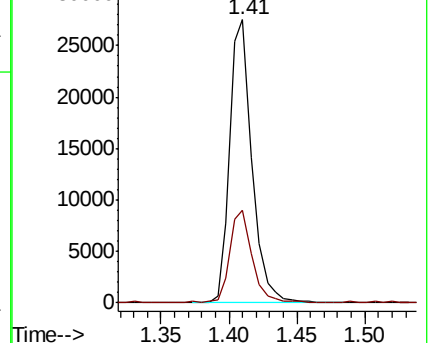
62 100

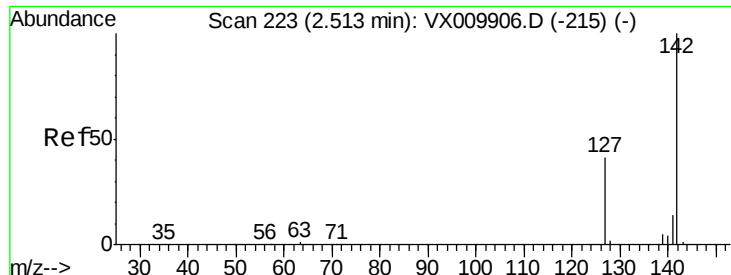
64 32.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

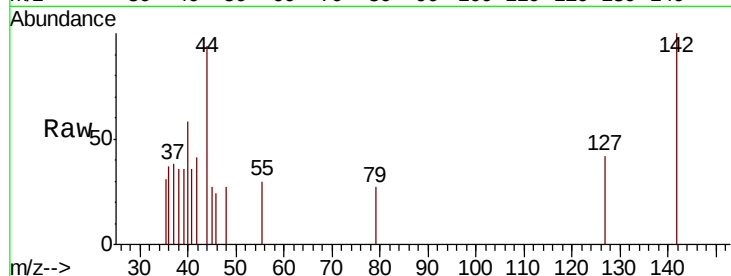




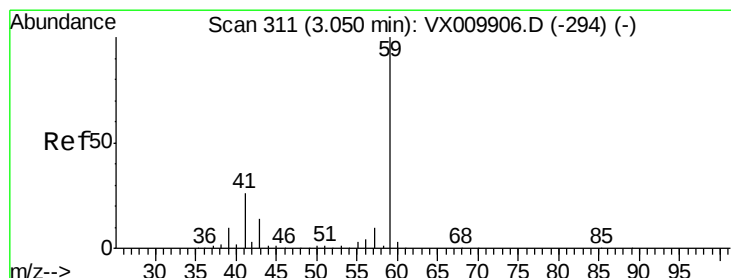
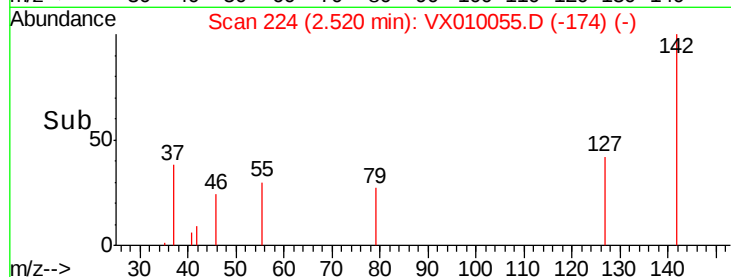
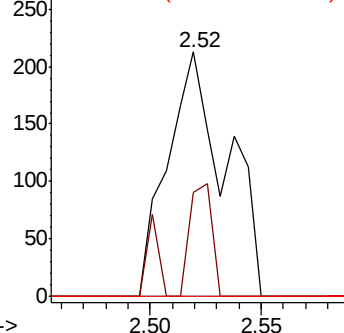
#10
Methvl Iodide
Concen: 4.823 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010055.D
Acq: 04 Jun 2019 12:26

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 386
Ion Ratio Lower Upper
142 100
127 17.9 33.0 49.4#
141 0.0 11.4 17.0#

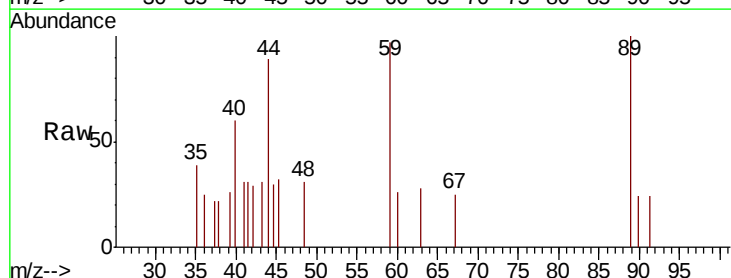


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

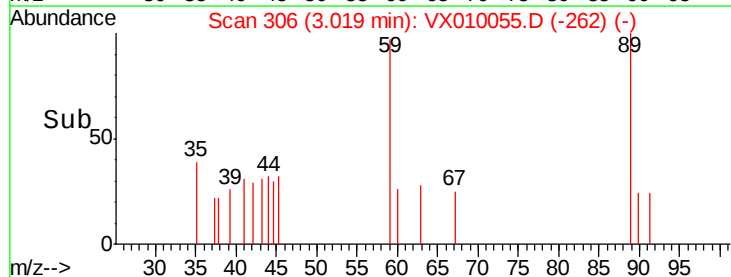
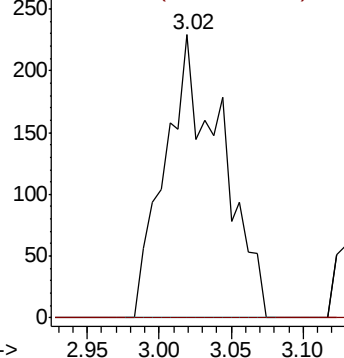


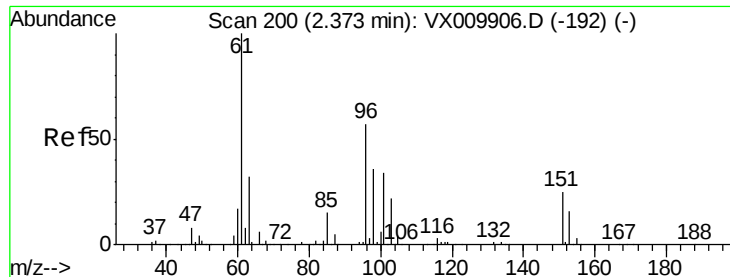
#11
Tert butyl alcohol
Concen: 1.042 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010055.D
Acq: 04 Jun 2019 12:26

Tgt Ion: 59 Resp: 623
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



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





#12

1,1-Dichloroethene

Concen: 0.528 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX010055.D

Acq: 04 Jun 2019 12:26

Instrument :
MSVOA_X
ClientSampleId :

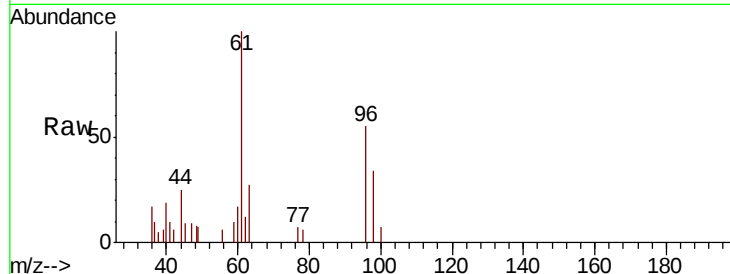
Tot Ion: 96 Resp: 920

Ion Ratio Lower Upper

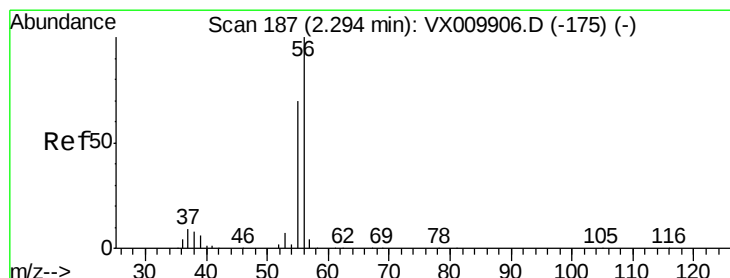
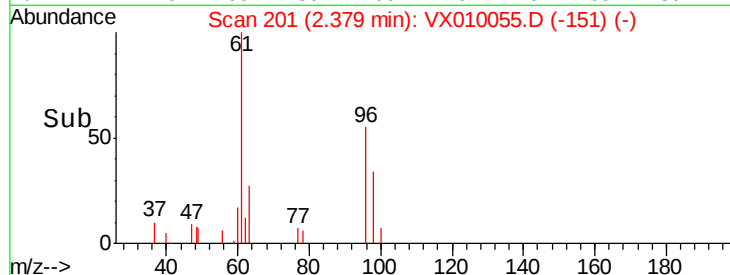
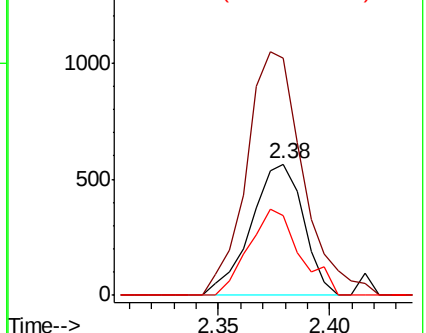
96 100

61 180.5 140.7 211.1

98 61.1 50.1 75.1



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



#13

Acrolein

Concen: 21.577 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010055.D

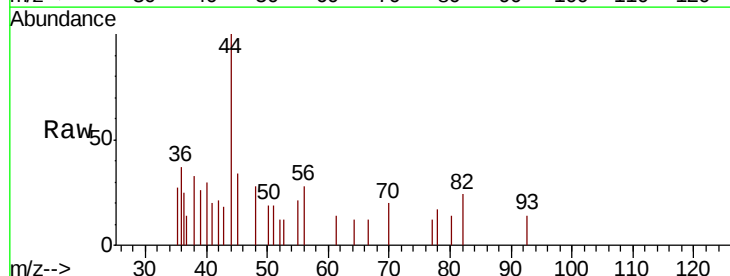
Acq: 04 Jun 2019 12:26

Tgt Ion: 56 Resp: 222

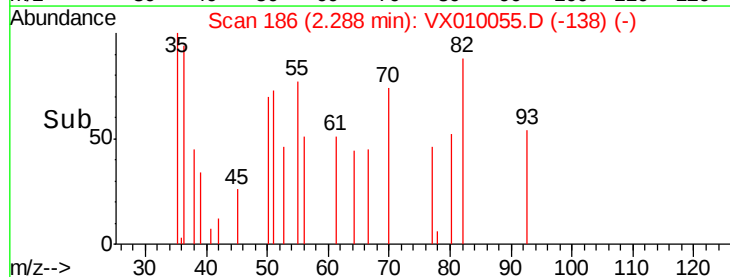
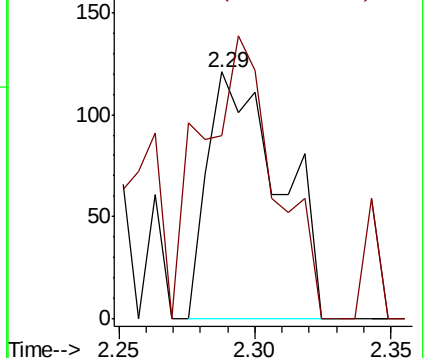
Ion Ratio Lower Upper

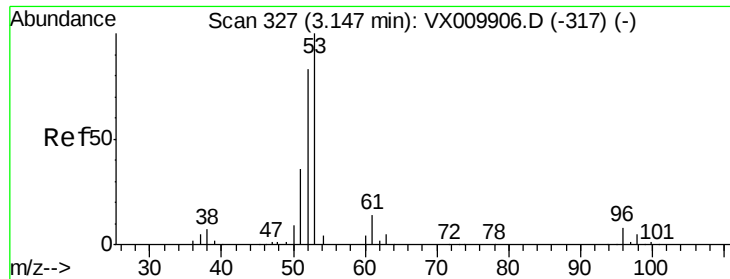
56 100

55 116.2 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.242 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX010055.D

Acq: 04 Jun 2019 12:26

Instrument :

MSVOA_X

ClientSampled :

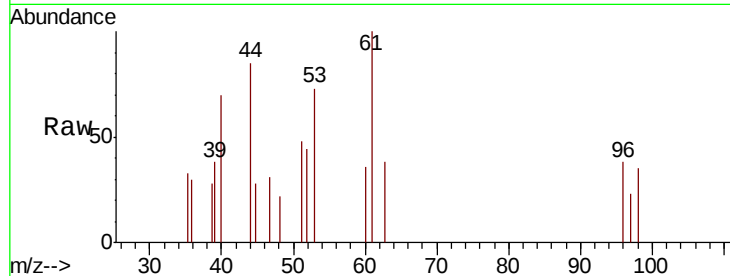
Tot Ion: 53 Resp: 349

Ion Ratio Lower Upper

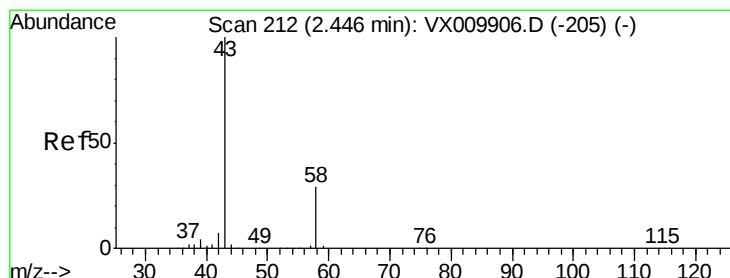
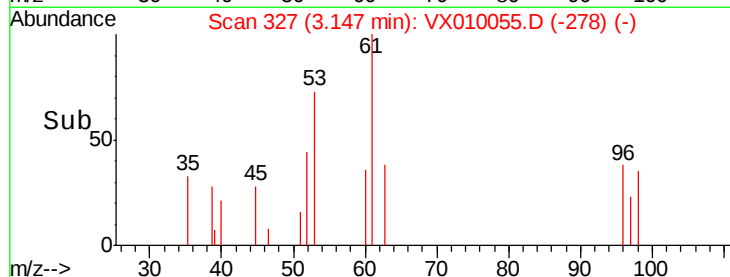
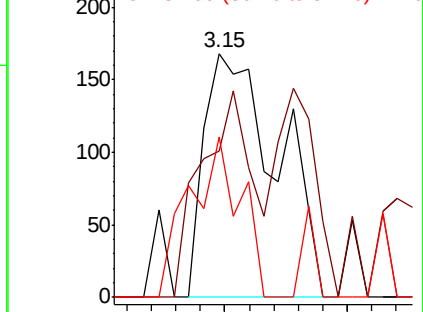
53 100

52 59.0 66.7 100.1#

51 46.4 28.8 43.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.614 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010055.D

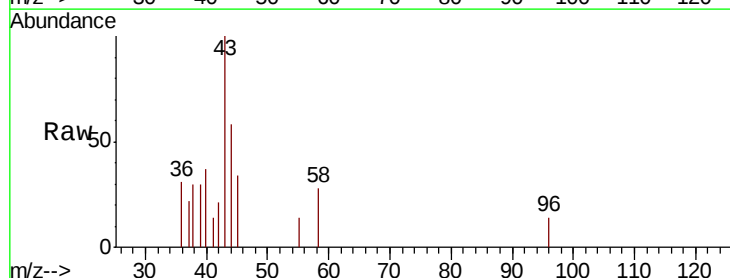
Acq: 04 Jun 2019 12:26

Tgt Ion: 43 Resp: 862

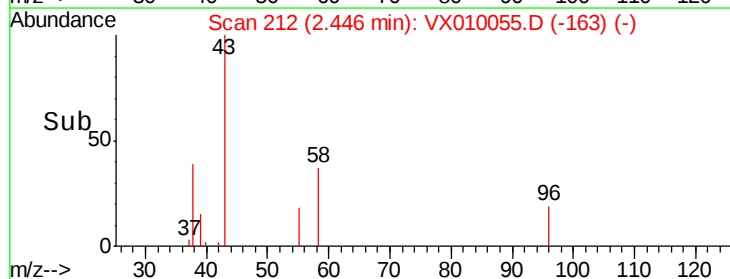
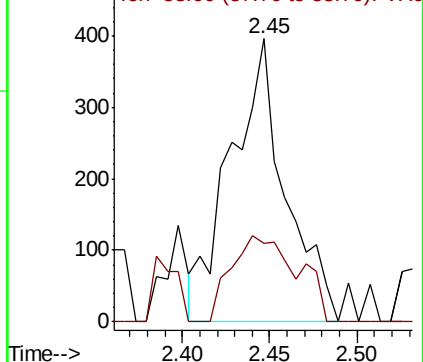
Ion Ratio Lower Upper

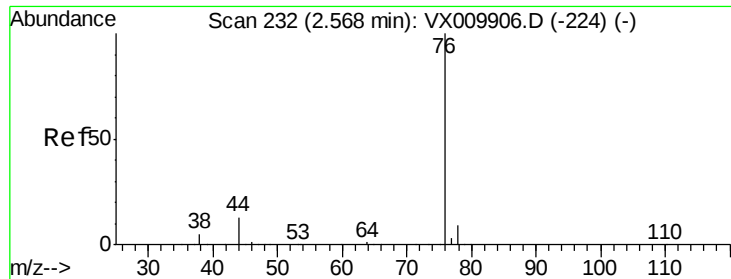
43 100

58 27.8 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.655 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010055.D

Acq: 04 Jun 2019 12:26

Instrument :

MSVOA_X

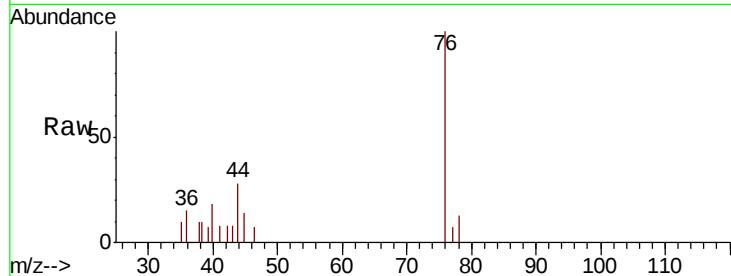
ClientSampleId :

Tot Ion: 76 Resp: 1437

Ion Ratio Lower Upper

76 100

78 12.8 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

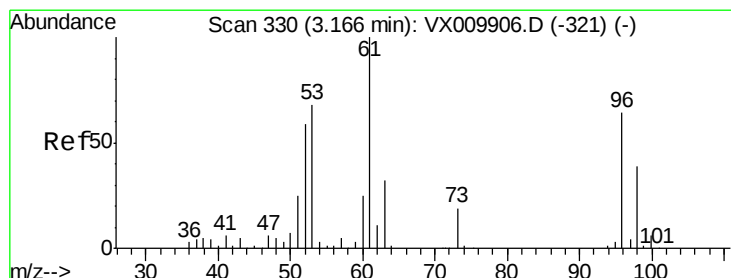
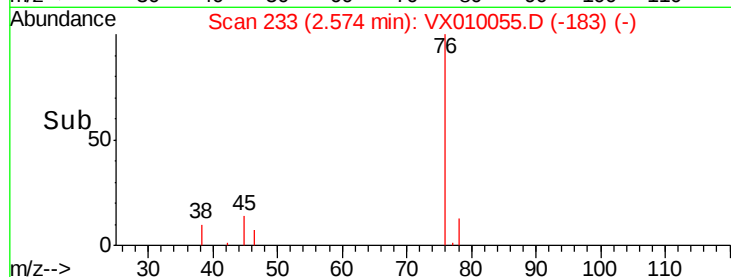
600

400

200

0

Time--> 2.50 2.55 2.60



#21

trans-1,2-Dichloroethene

Concen: 0.412 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX010055.D

Acq: 04 Jun 2019 12:26

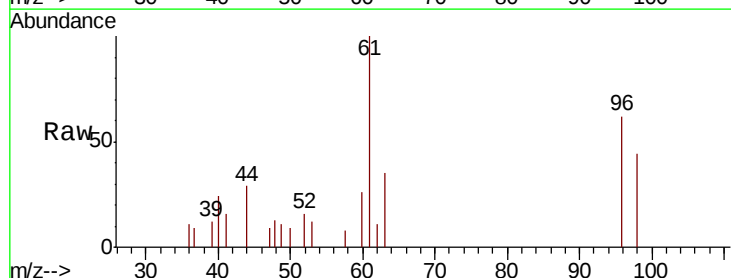
Tgt Ion: 96 Resp: 799

Ion Ratio Lower Upper

96 100

61 161.2 125.7 188.5

98 70.3 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

800

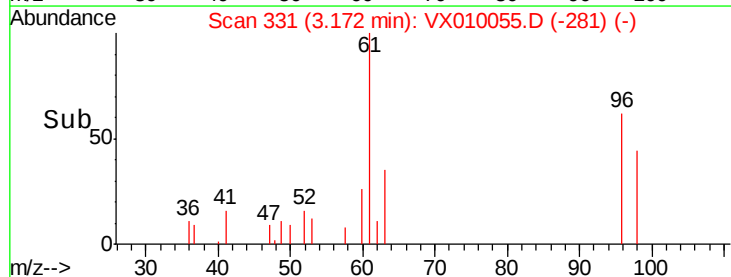
600

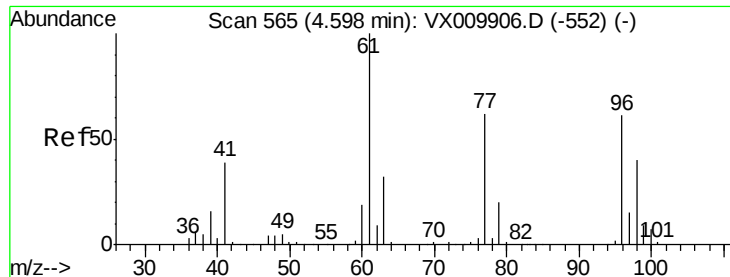
400

200

0

Time--> 3.10 3.15 3.20



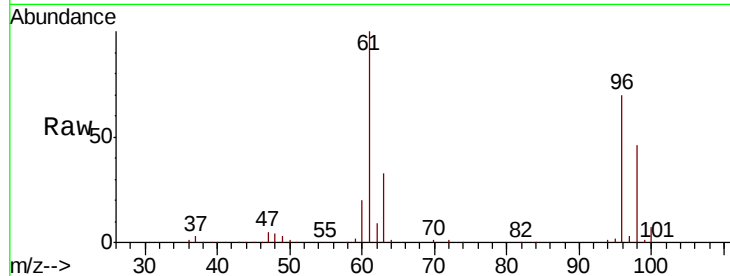


#27

cis-1,2-Dichloroethene
Concen: 137.098 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010055.D
Acq: 04 Jun 2019 12:26

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	96	Resp	306644
Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	334.0
98	63.8	0.0	131.6

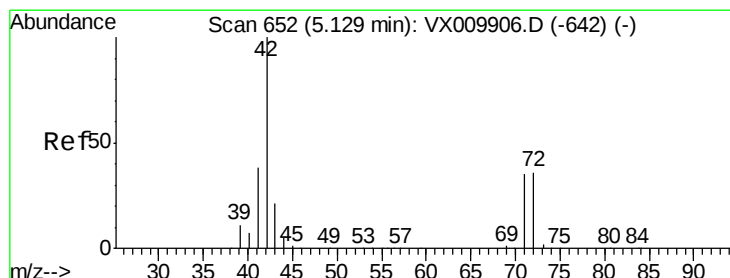
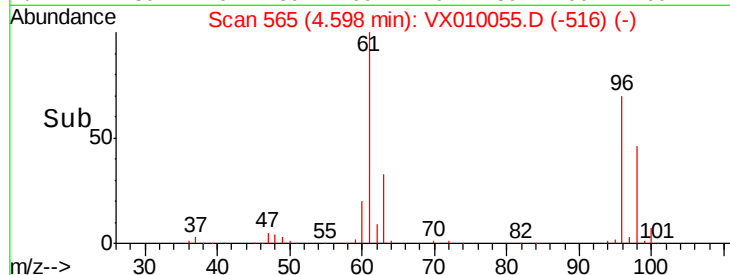
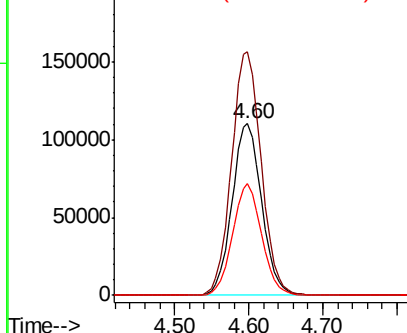


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

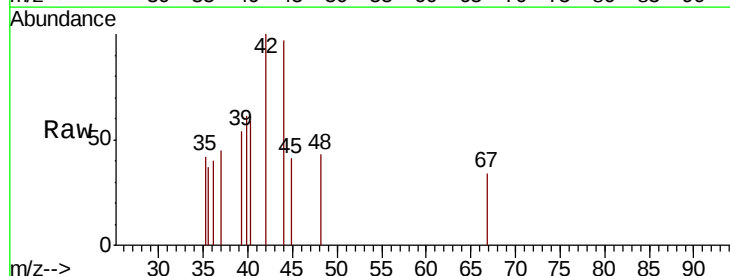
Ion 97.90 (97.60 to 98.60): VX0



#29

Tetrahydrofuran
Concen: 0.241 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.03 min
Lab File: VX010055.D
Acq: 04 Jun 2019 12:26

Tgt Ion	42	Resp	338
Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.2	43.8#
71	0.0	27.6	41.4#

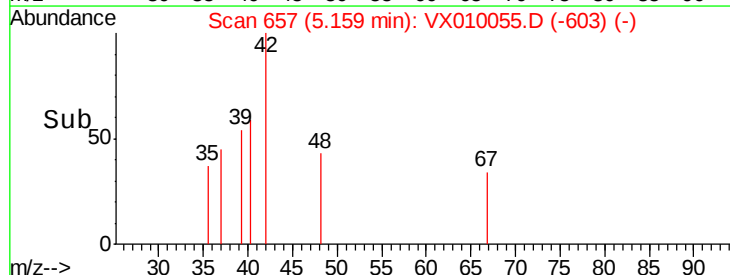
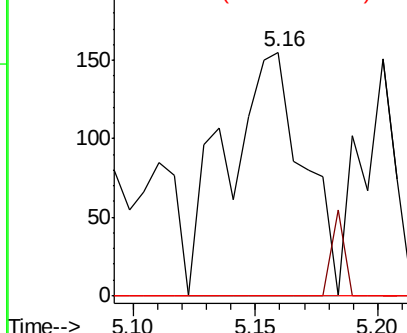


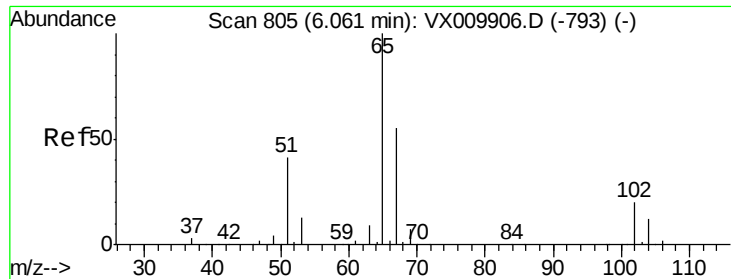
Abundance

Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

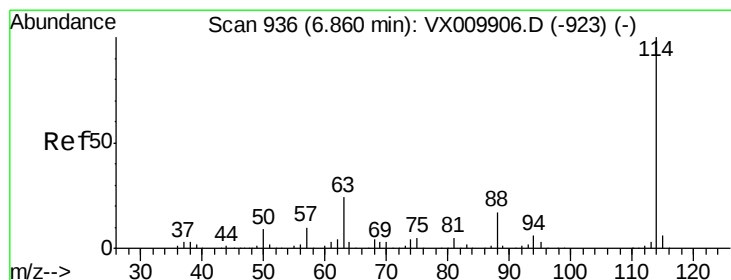
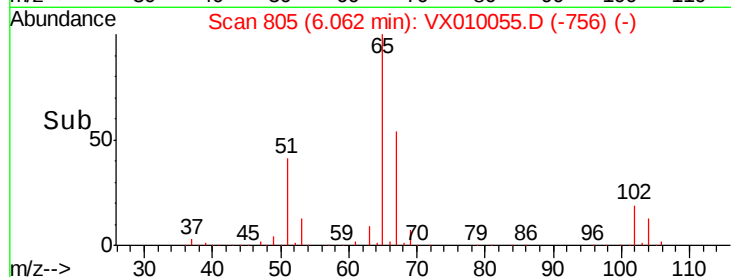
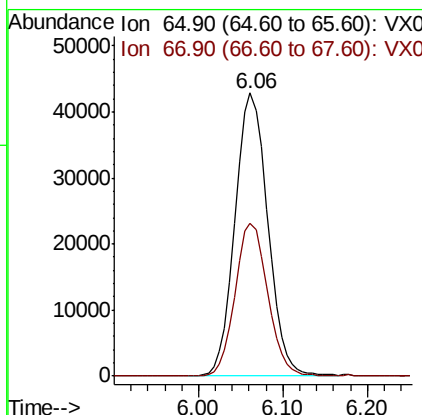
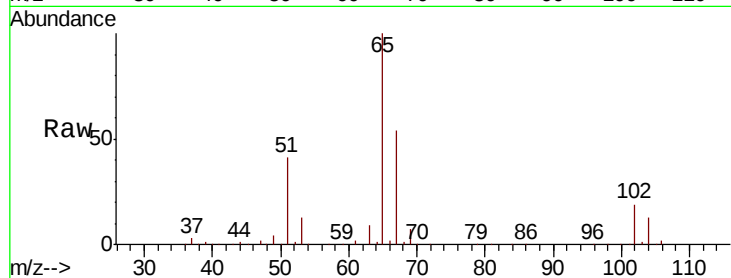




#33
 1,2-Dichloroethane-d4
 Concen: 46.510 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010055.D
 Acq: 04 Jun 2019 12:26

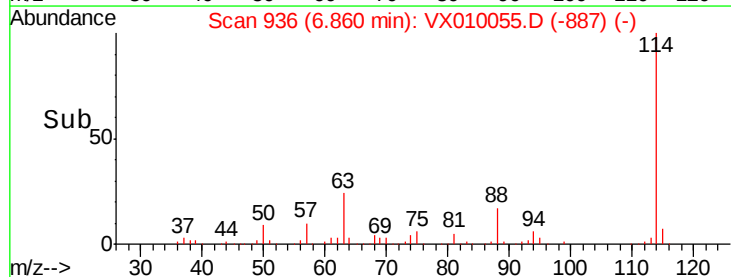
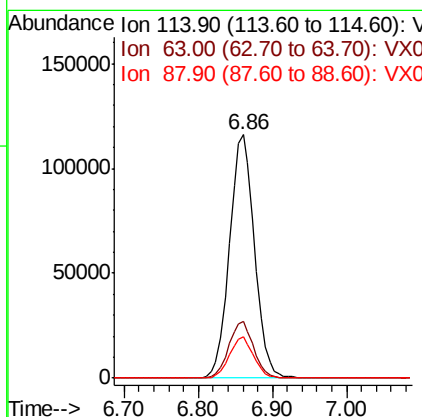
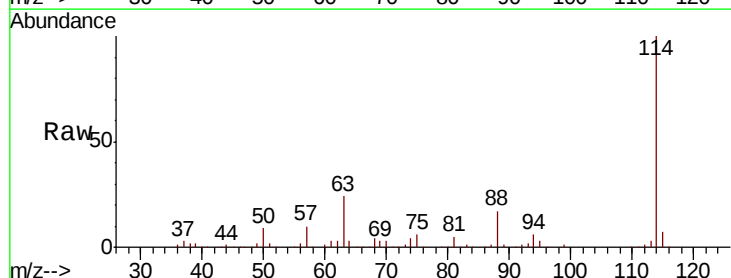
Instrument :
 MSVOA_X
 ClientSampleId :

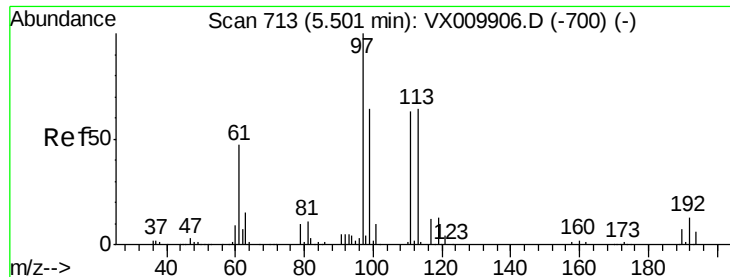
Tot Ion: 65 Resp: 112973
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010055.D
 Acq: 04 Jun 2019 12:26

Tgt Ion: 114 Resp: 272690
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 47.4
 88 16.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.939 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010055.D

Acq: 04 Jun 2019 12:26

Instrument :

MSVOA_X

ClientSampleId :

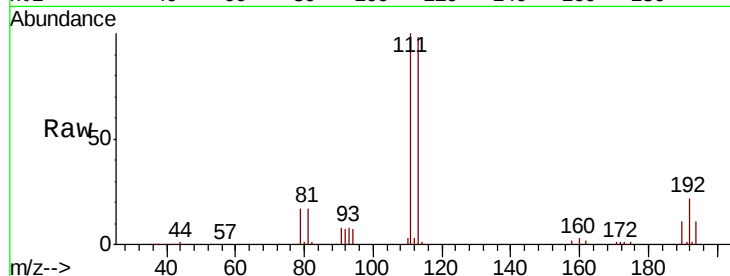
Tot Ion:113 Resp: 83902

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.2

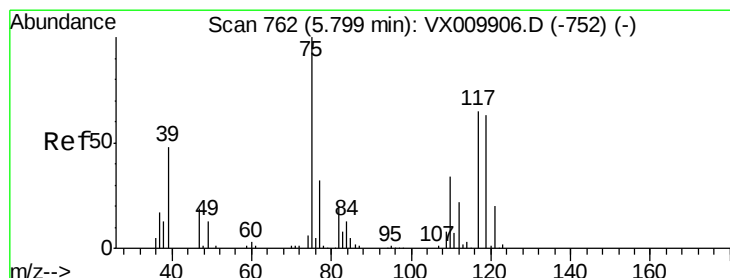
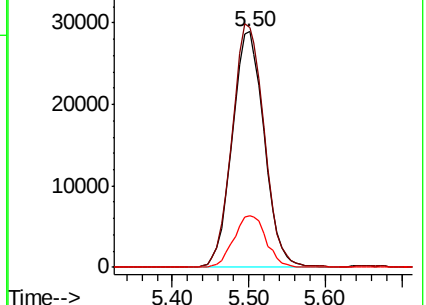
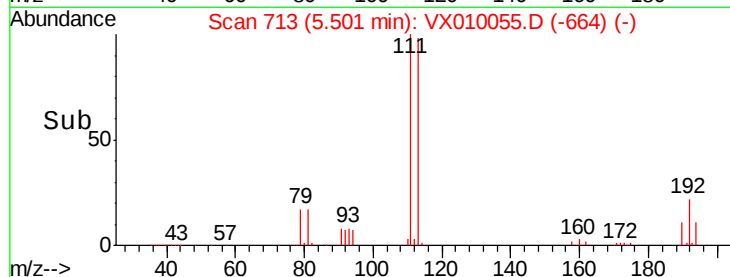
192 22.1 17.1 25.7



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



#36

1,1-Dichloropropene

Concen: 4.930 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010055.D

Acq: 04 Jun 2019 12:26

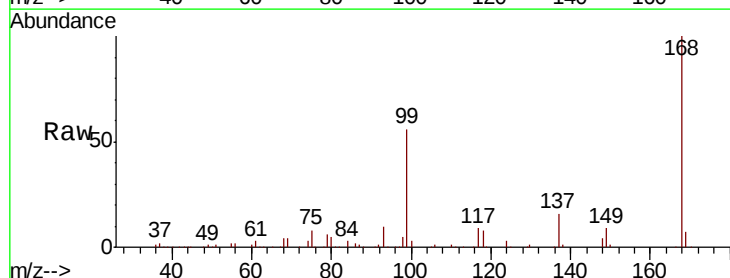
Tgt Ion: 75 Resp: 13639

Ion Ratio Lower Upper

75 100

110 9.2 16.7 50.1#

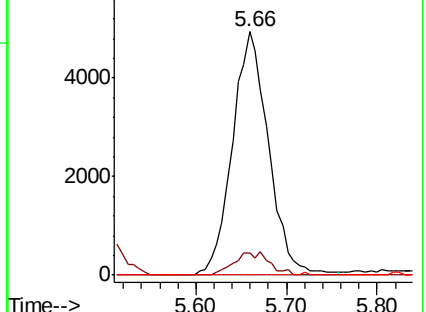
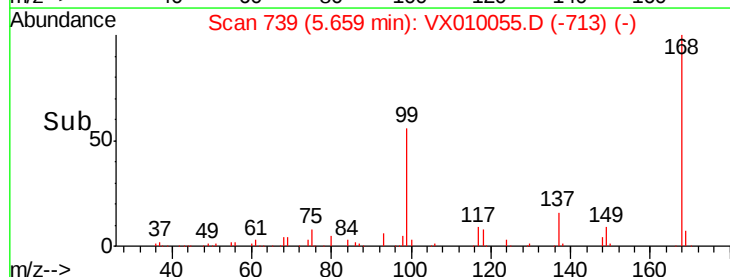
77 0.0 25.0 37.4#

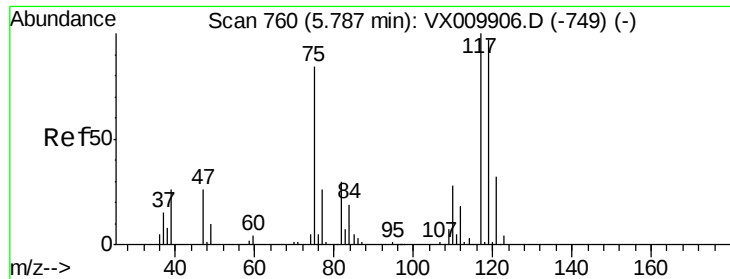


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

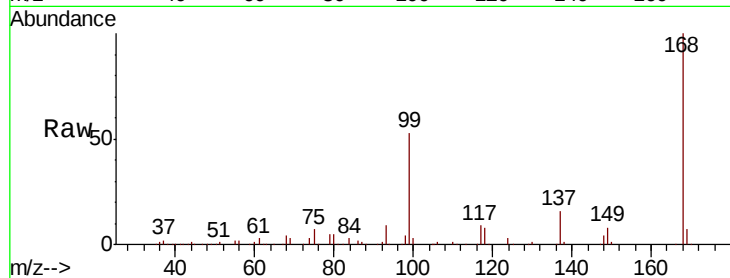




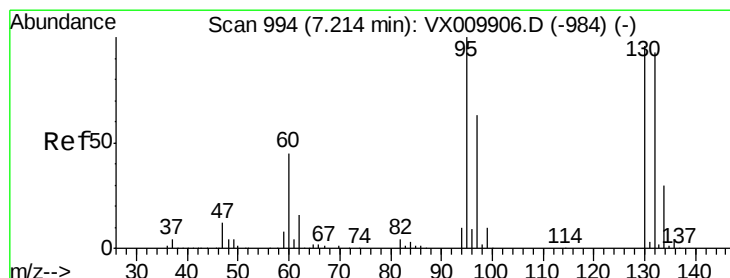
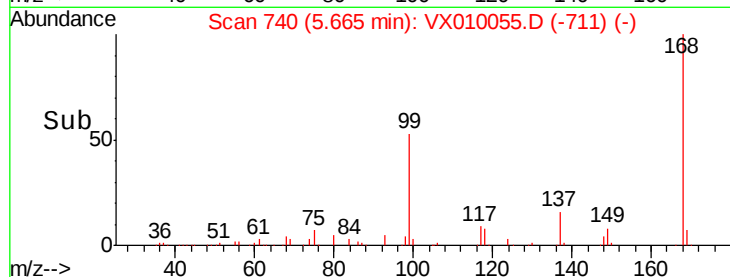
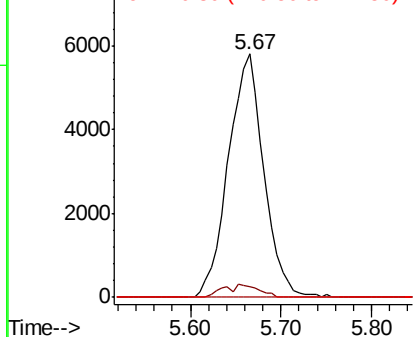
#38
Carbon Tetrachloride
Concen: 6.578 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX010055.D
Acq: 04 Jun 2019 12:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 15726
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 25.4 38.0#

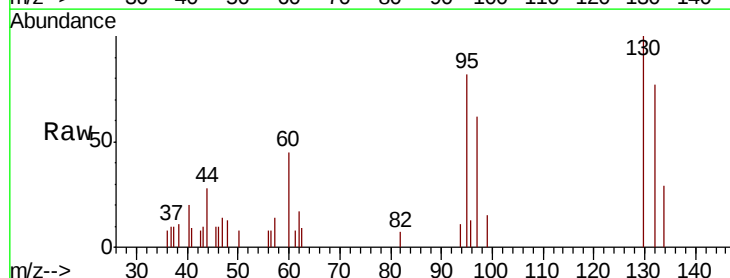


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

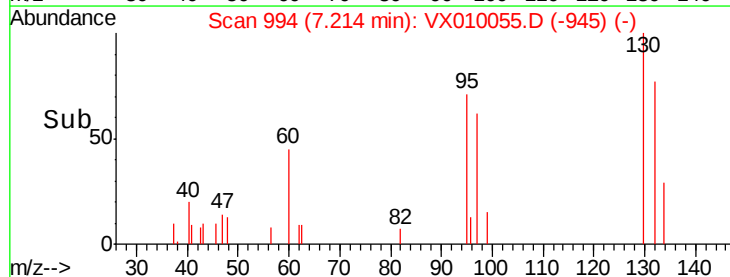
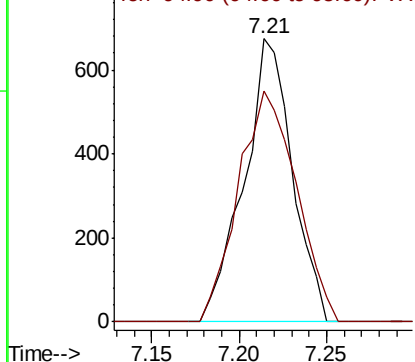


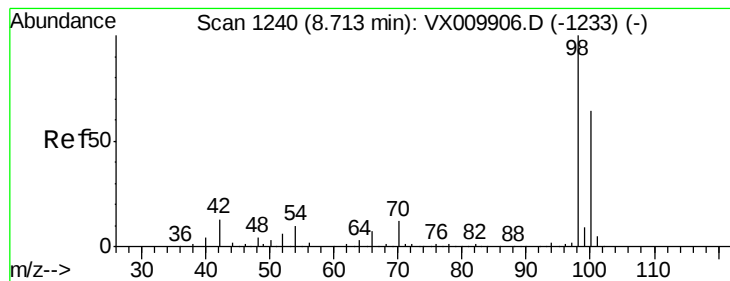
#44
Trichloroethene
Concen: 0.650 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX010055.D
Acq: 04 Jun 2019 12:26

Tgt Ion:130 Resp: 1296
Ion Ratio Lower Upper
130 100
95 81.6 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.702 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010055.D

Acq: 04 Jun 2019 12:26

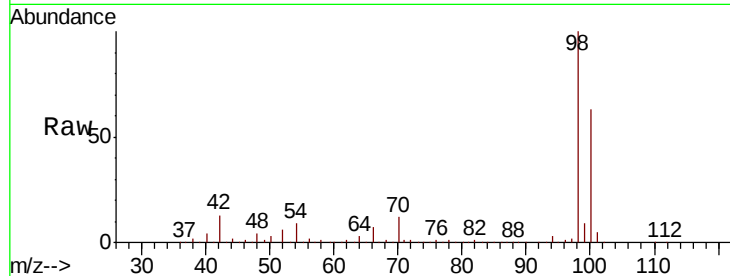
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 98 Resp: 346020

Ion Ratio Lower Upper

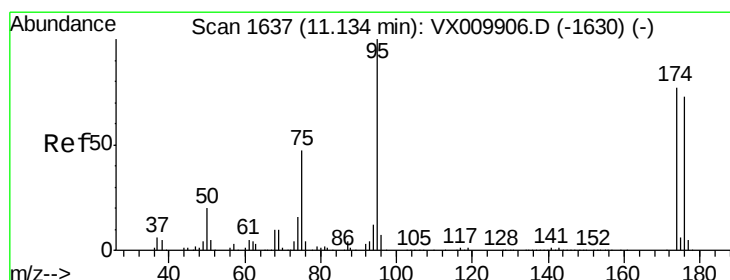
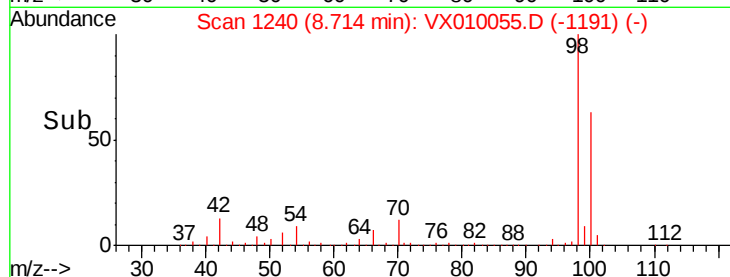
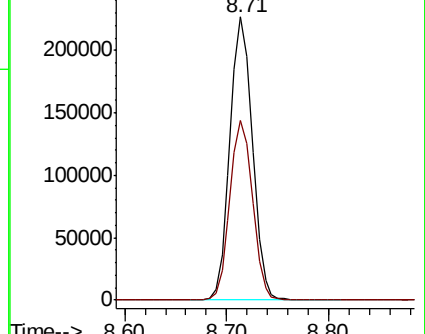
98 100

100 64.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V>



#62

4-Bromofluorobenzene

Concen: 47.088 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010055.D

Acq: 04 Jun 2019 12:26

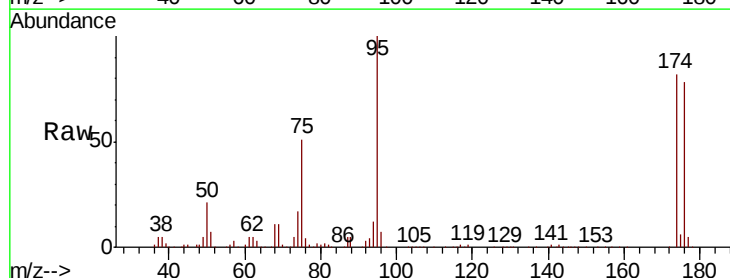
Tgt Ion: 95 Resp: 117748

Ion Ratio Lower Upper

95 100

174 84.7 0.0 160.4

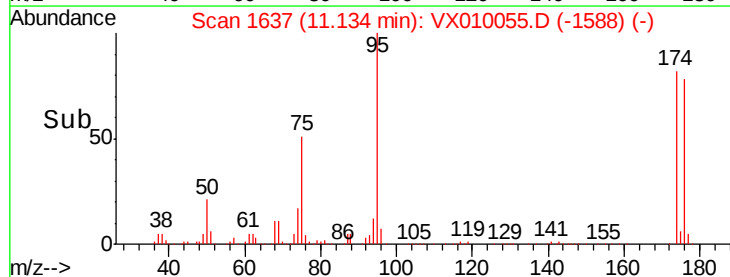
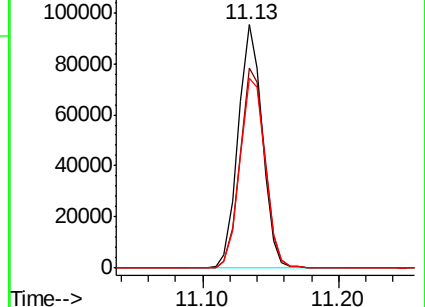
176 82.0 0.0 154.6

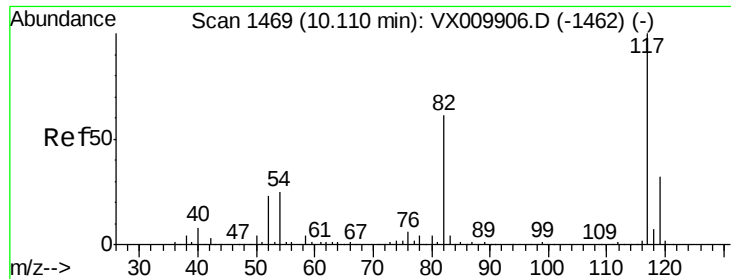


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

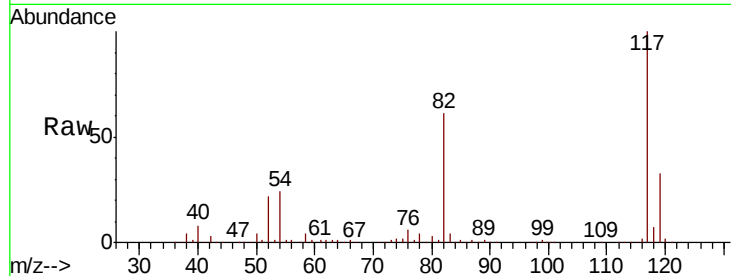




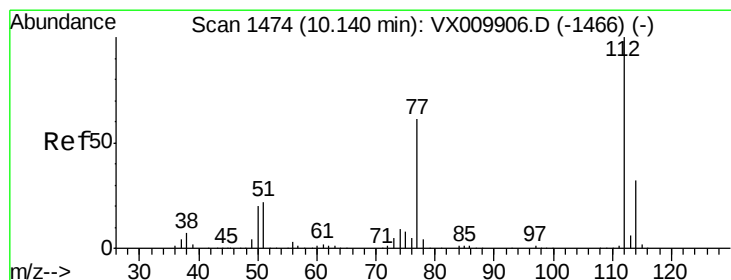
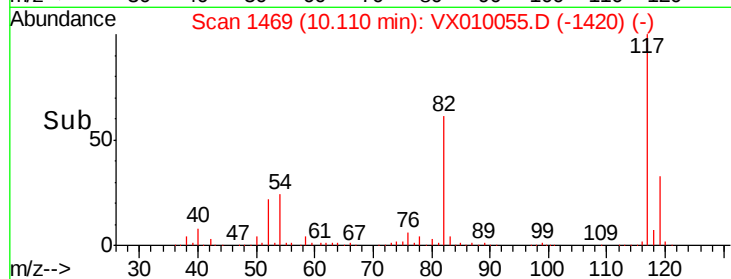
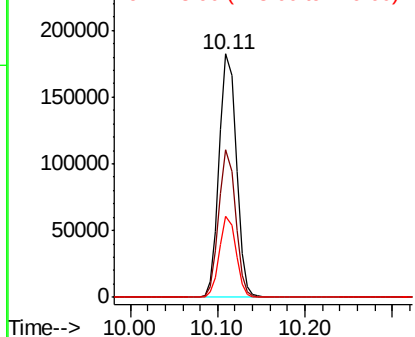
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010055.D
Acq: 04 Jun 2019 12:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 248089
Ion Ratio Lower Upper
117 100
82 60.6 49.2 73.8
119 33.4 25.2 37.8

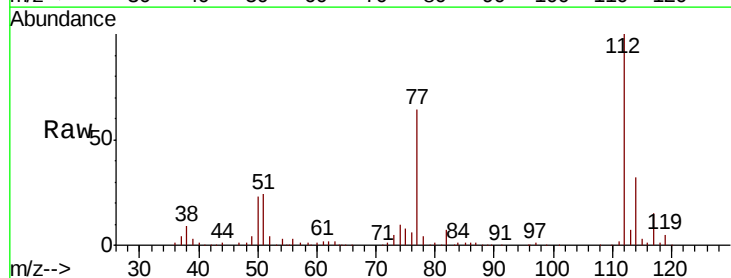


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

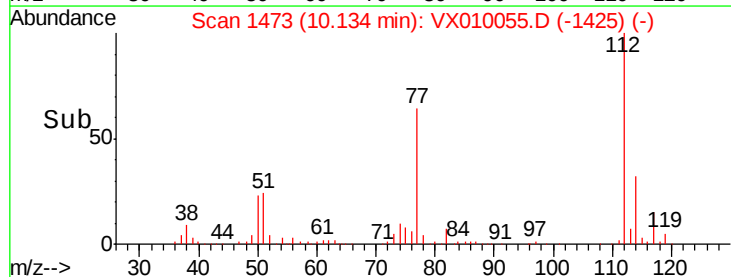
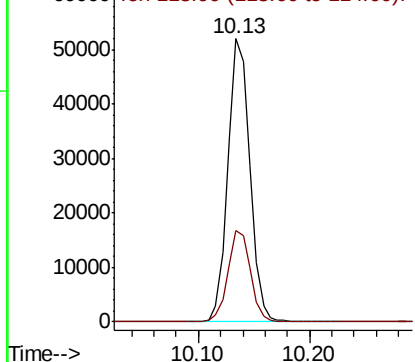


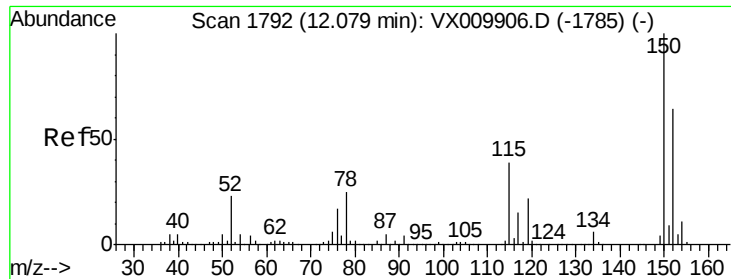
#65
Chlorobenzene
Concen: 13.755 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX010055.D
Acq: 04 Jun 2019 12:26

Tgt Ion:112 Resp: 71440
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



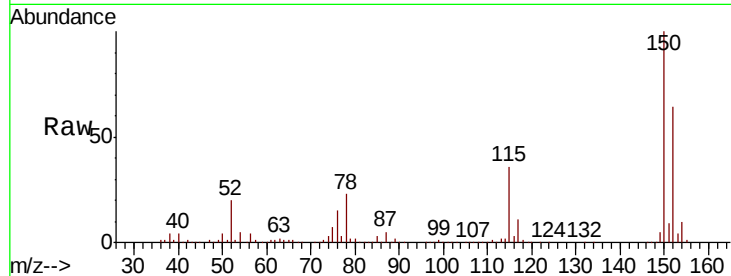


#72

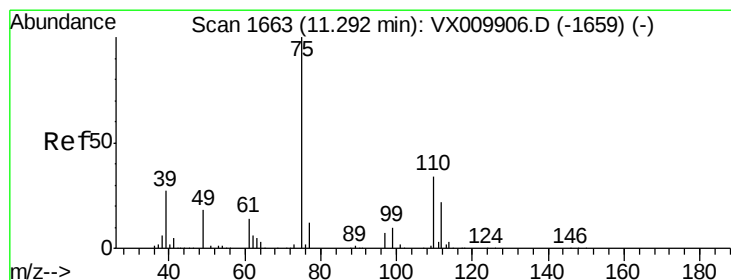
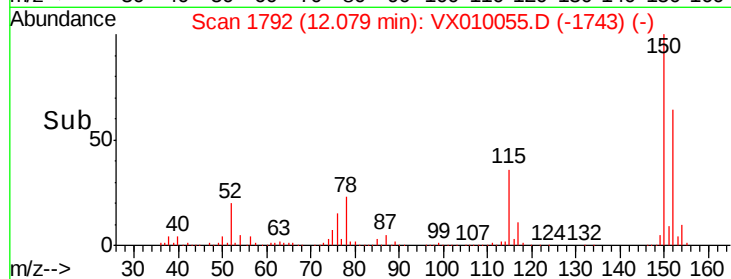
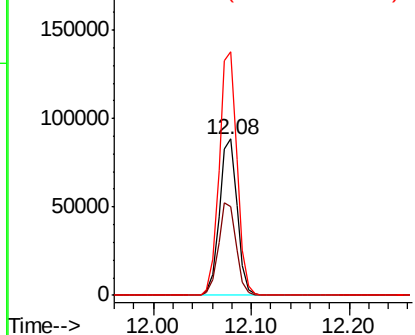
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010055.D
Acq: 04 Jun 2019 12:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 111126
Ion Ratio Lower Upper
152 100
115 58.8 41.4 124.2
150 156.6 0.0 345.2



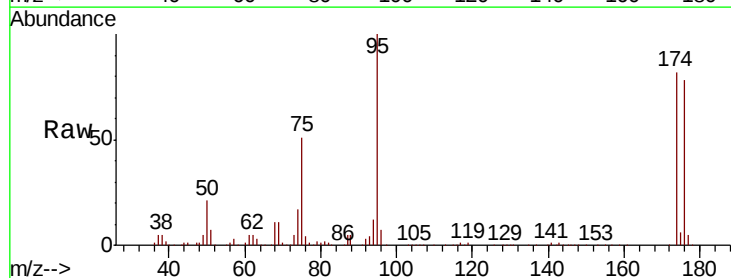
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



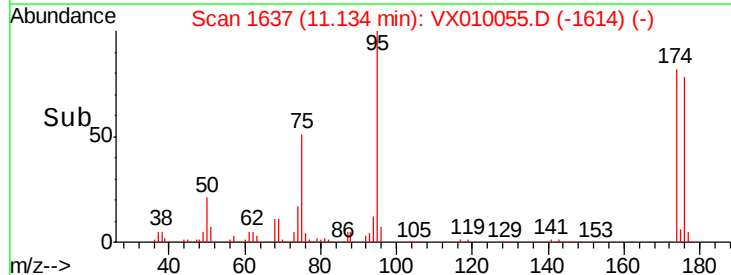
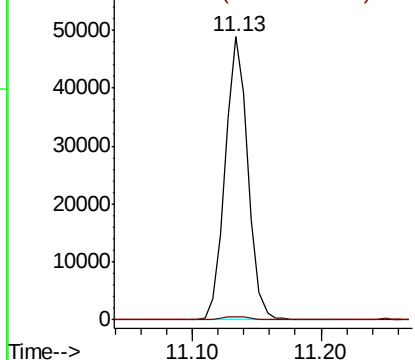
#76

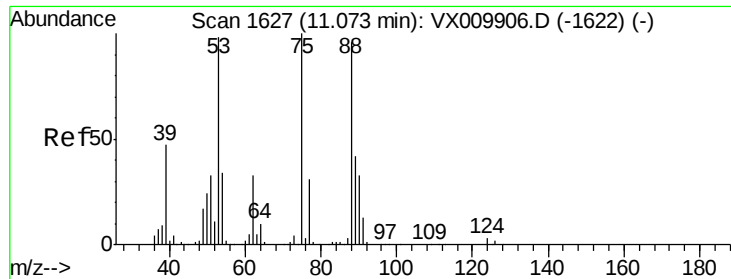
1,2,3-Trichloropropane
Concen: 22.856 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010055.D
Acq: 04 Jun 2019 12:26

Tgt Ion: 75 Resp: 60736
Ion Ratio Lower Upper
75 100
77 1.4 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 56.549 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010055.D

Acq: 04 Jun 2019 12:26

Instrument :

MSVOA_X

ClientSampleId :

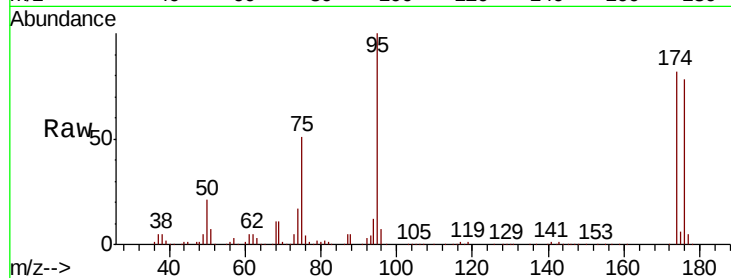
Tot Ion: 75 Resp: 60736

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

