

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010215.D
 Acq On : 11 Jun 2019 06:57
 Operator : JC/SP
 Sample : K3255-12 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20190604DL

Quant Time: Jun 11 08:51:38 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	245777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	376593	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	335164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156986	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	111173	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
35) Dibromofluoromethane	5.50	113	115997	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	8.71	98	438602	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	11.13	95	151514	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	

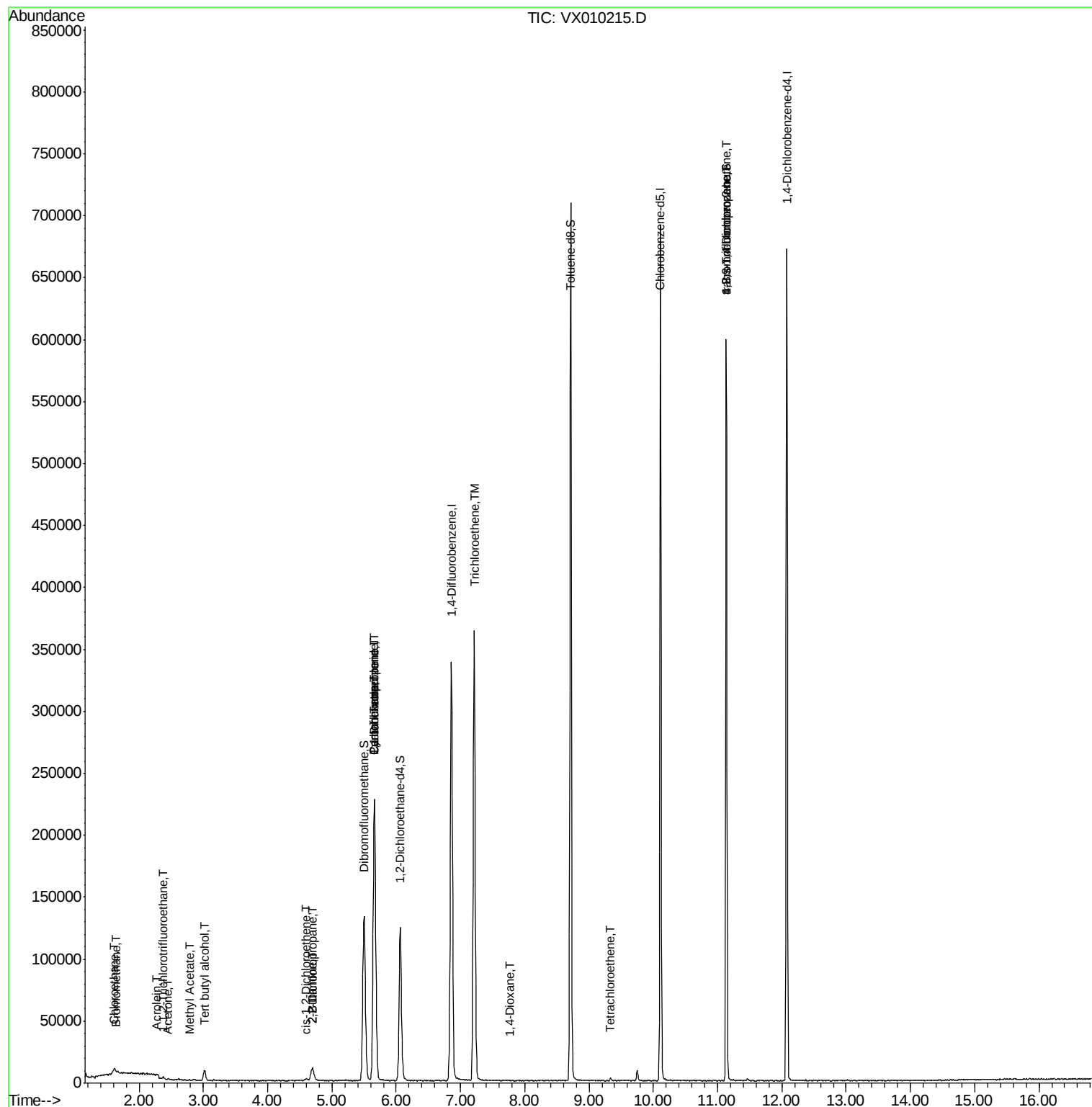
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	280	0.352	ug/l	85
6) Chloroethane	1.61	64	683	0.642	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	604	0.279	ug/l #	69
11) Tert butyl alcohol	3.02	59	4661	7.931	ug/l #	88
13) Acrolein	2.28	56	123	1.148	ug/l #	1
16) Acetone	2.44	43	493	0.437	ug/l #	87
18) Methyl Acetate	2.78	43	1133	0.457	ug/l	92
25) 2-Butanone	4.70	43	585	0.348	ug/l #	54
26) 2,2-Dichloropropane	4.70	77	1083	0.307	ug/l #	53
27) cis-1,2-Dichloroethene	4.59	96	910	0.335	ug/l	96
31) Cyclohexane	5.67	56	4007	1.148	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14394	4.685	ug/l #	52
38) Carbon Tetrachloride	5.66	117	21268	6.116	ug/l #	15
44) Trichloroethene	7.21	130	153216	53.502	ug/l	86
49) 1,4-Dioxane	7.76	88	32	0.449	ug/l #	1
64) Tetrachloroethene	9.34	164	553	0.222	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	67743	21.574	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	67743	47.666	ug/l #	10

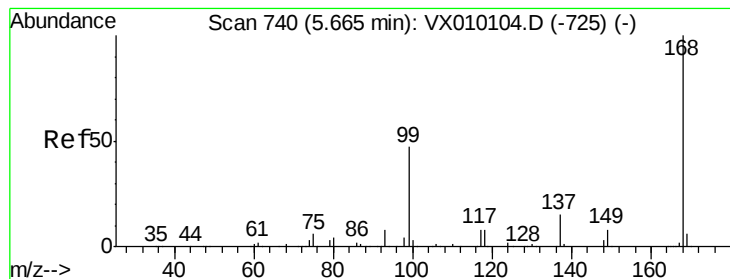
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 08 02:12:13 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: VX010215.D

Acq: 11 Jun 2019 06:57

Instrument :

MSVOA_X

ClientSampleId :

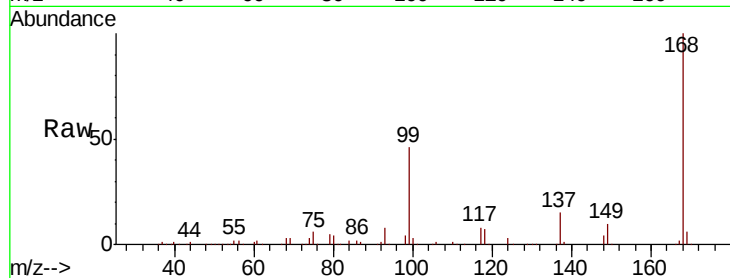
DUP01-20190604DL

Tot Ion:168 Resp: 245777

Ion Ratio Lower Upper

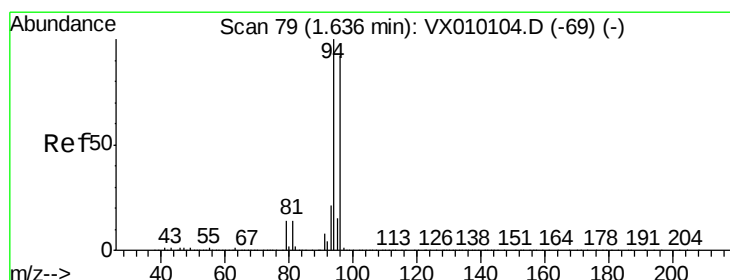
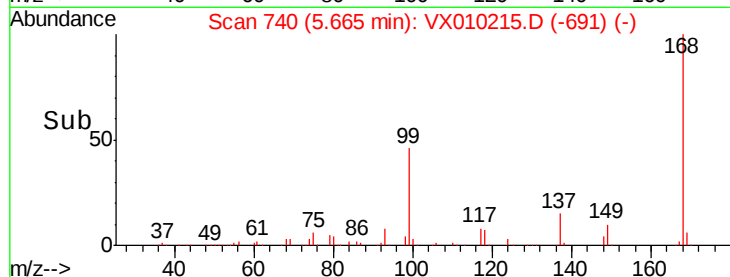
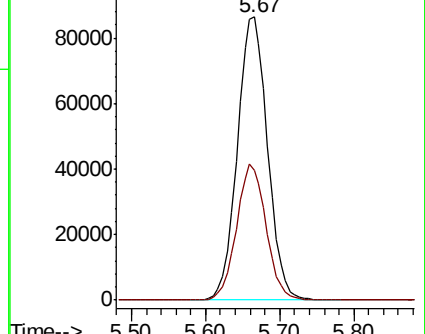
168 100

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

Bromomethane

Concen: 0.352 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010215.D

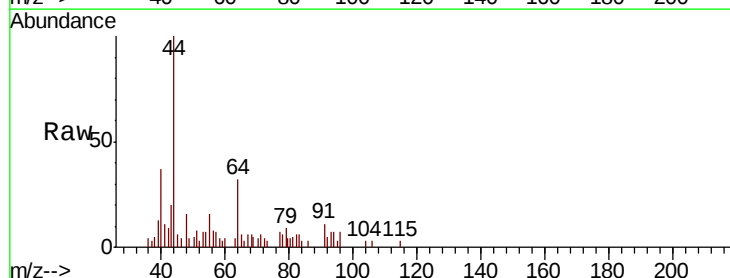
Acq: 11 Jun 2019 06:57

Tgt Ion: 94 Resp: 280

Ion Ratio Lower Upper

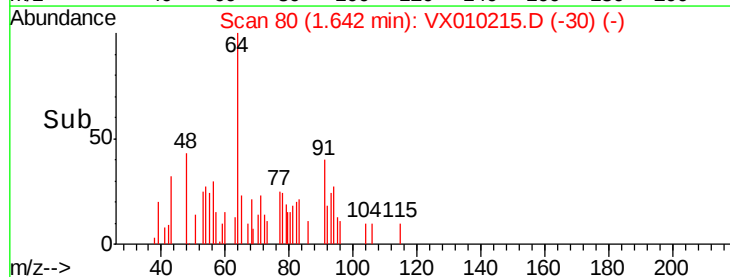
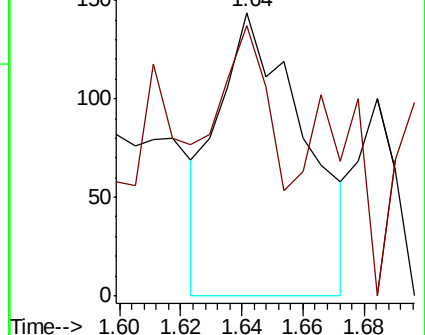
94 100

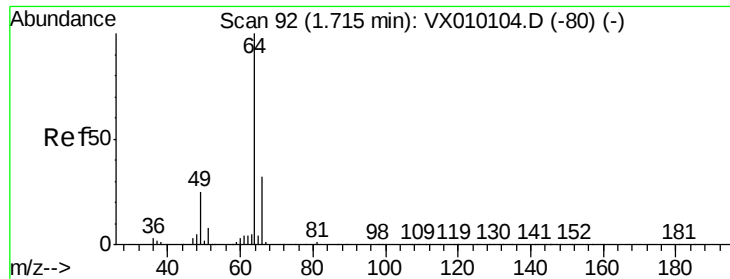
96 80.2 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.642 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.10 min

Lab File: VX010215.D

Acq: 11 Jun 2019 06:57

Instrument :

MSVOA_X

ClientSampleId :

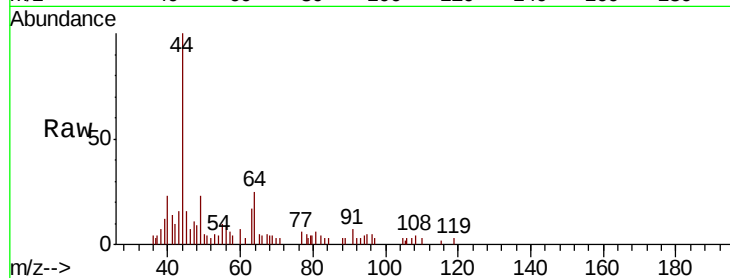
DUP01-20190604DL

Tot Ion: 64 Resp: 683

Ion Ratio Lower Upper

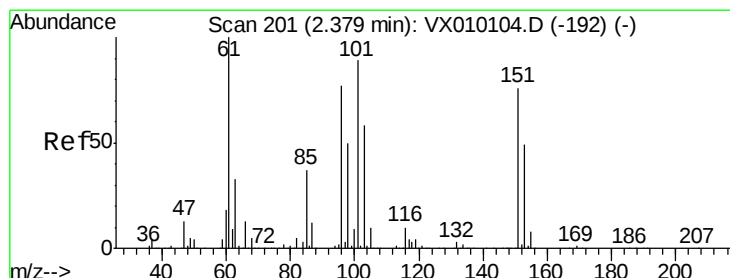
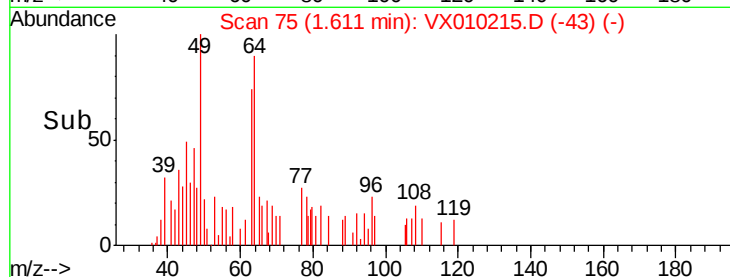
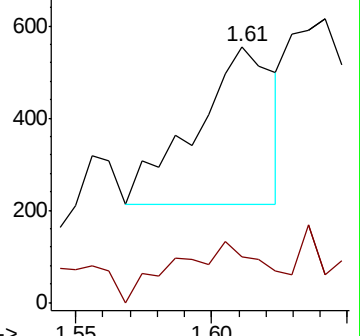
64 100

66 28.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.279 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010215.D

Acq: 11 Jun 2019 06:57

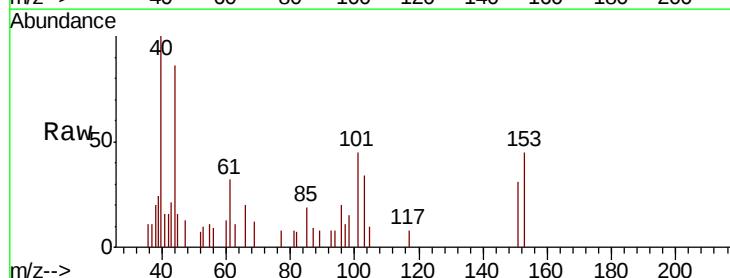
Tgt Ion: 101 Resp: 604

Ion Ratio Lower Upper

101 100

85 66.6 35.2 52.8#

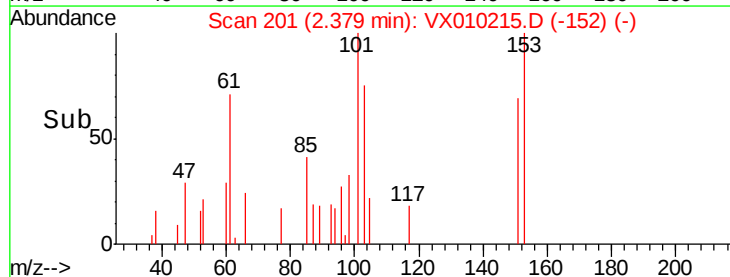
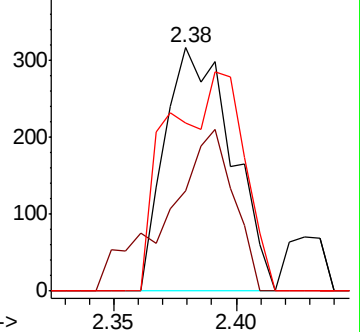
151 101.8 61.9 92.9#

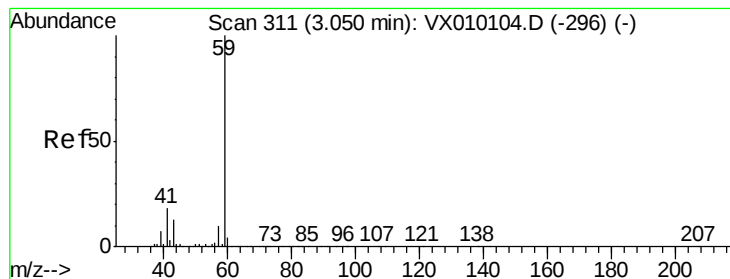


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



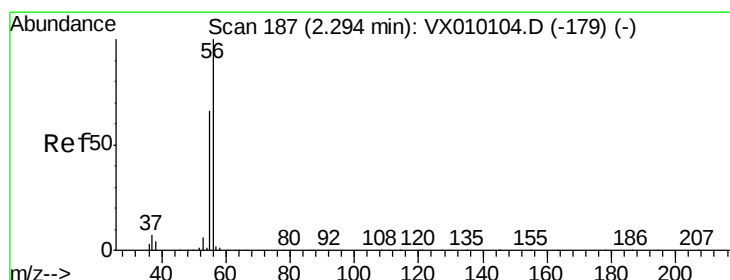
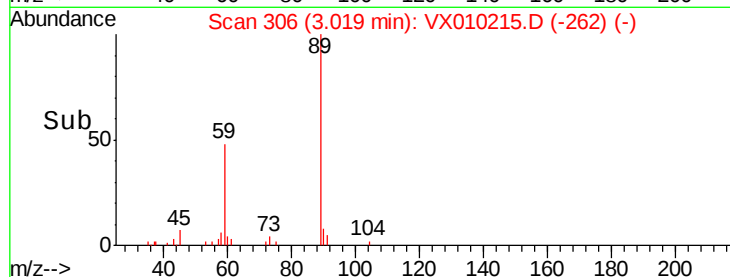
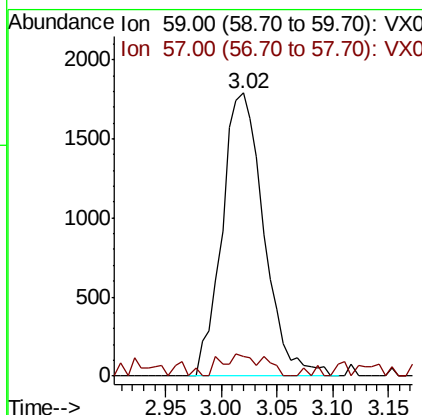
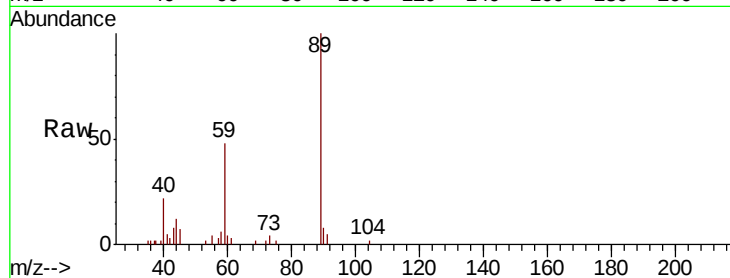


#11

Tert butyl alcohol
 Concen: 7.931 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010215.D
 Acq: 11 Jun 2019 06:57

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20190604DL

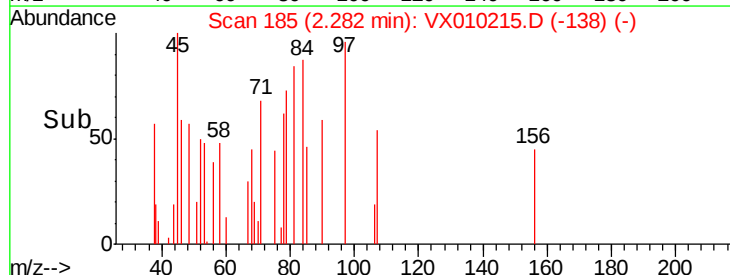
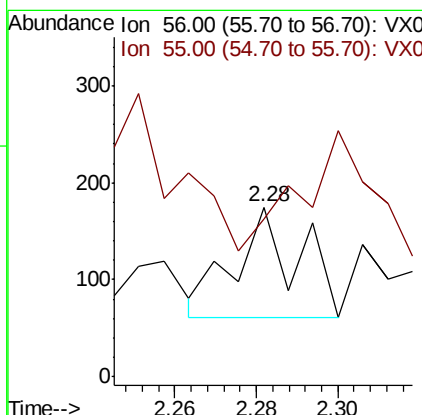
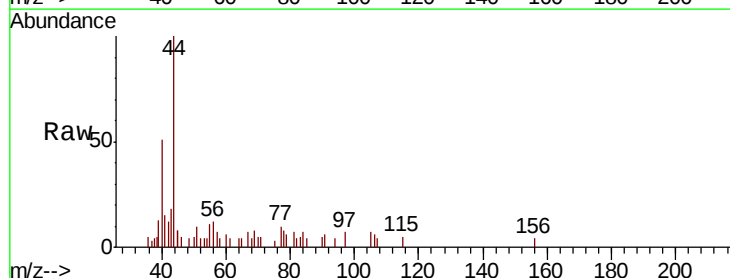
Tot Ion: 59 Resp: 4661
 Ion Ratio Lower Upper
 59 100
 57 5.6 8.2 12.2#

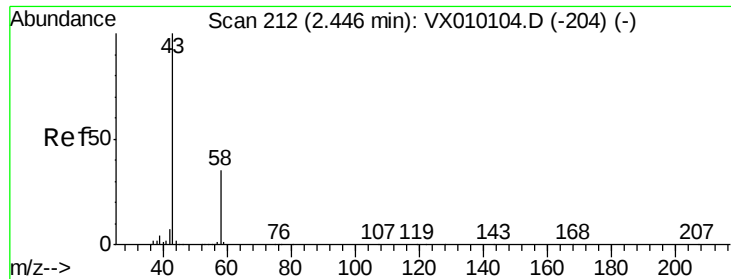


#13

Acrolein
 Concen: 1.148 ug/l
 RT: 2.28 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VX010215.D
 Acq: 11 Jun 2019 06:57

Tgt Ion: 56 Resp: 123
 Ion Ratio Lower Upper
 56 100
 55 253.7 57.0 85.4#





#16

Acetone

Concen: 0.437 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010215.D

Acq: 11 Jun 2019 06:57

Instrument :

MSVOA_X

ClientSampleId :

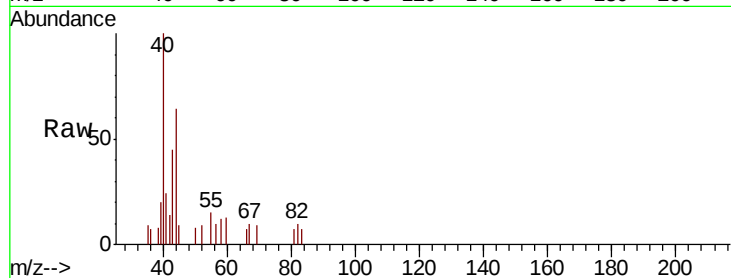
DUP01-20190604DL

Tot Ion: 43 Resp: 493

Ion Ratio Lower Upper

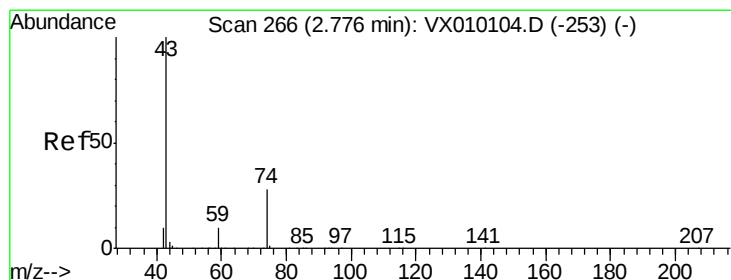
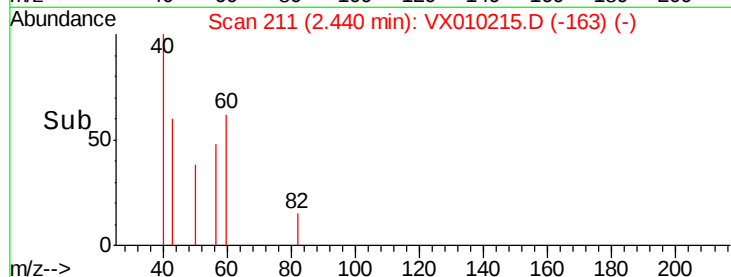
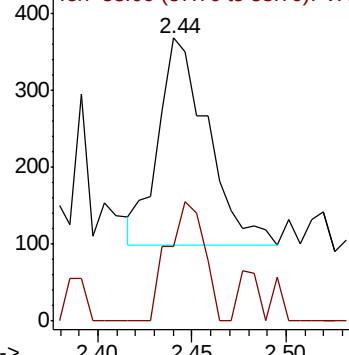
43 100

58 36.1 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.457 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010215.D

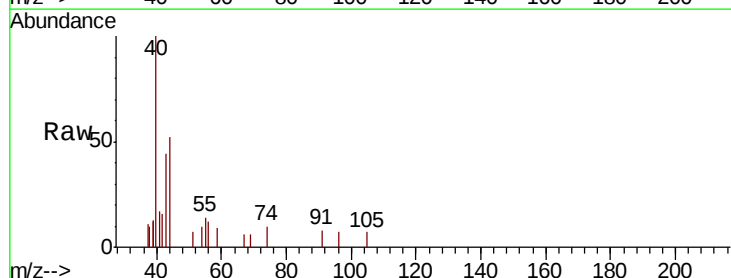
Acq: 11 Jun 2019 06:57

Tgt Ion: 43 Resp: 1133

Ion Ratio Lower Upper

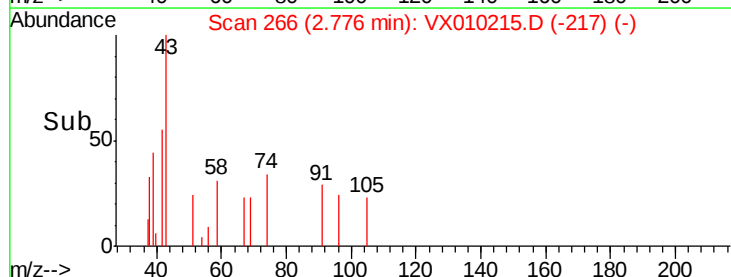
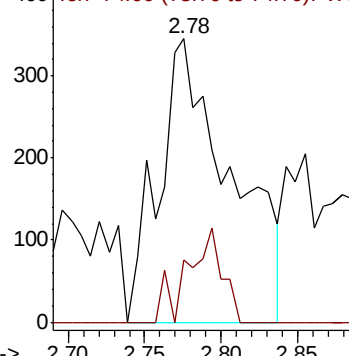
43 100

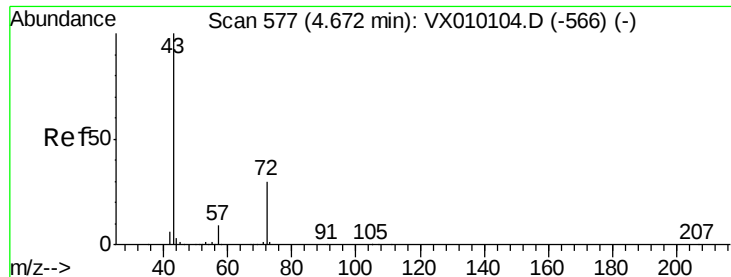
74 16.2 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.348 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010215.D

Acq: 11 Jun 2019 06:57

Instrument :

MSVOA_X

ClientSampleId :

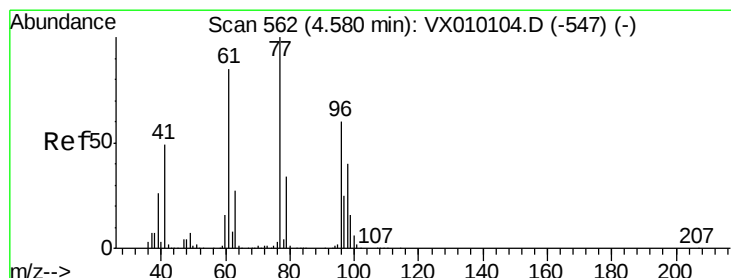
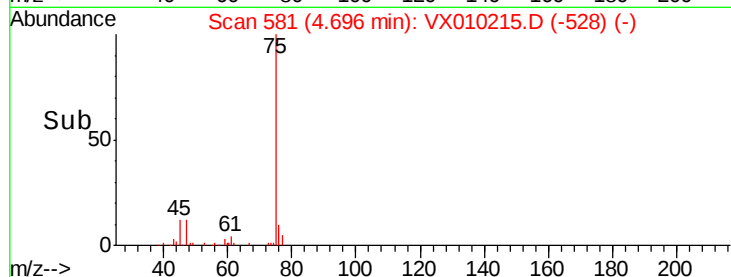
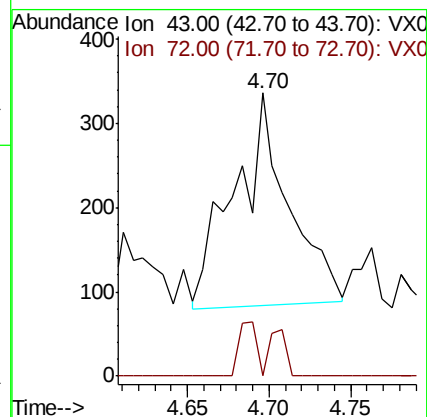
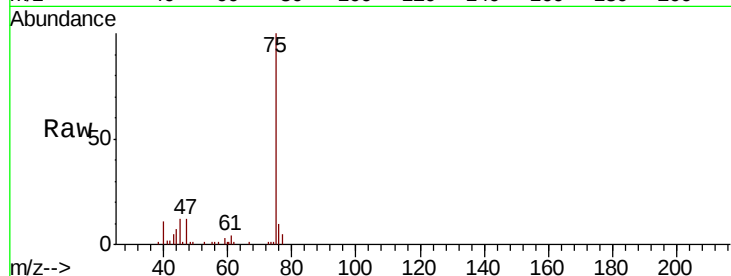
DUP01-20190604DL

Tot Ion: 43 Resp: 585

Ion Ratio Lower Upper

43 100

72 0.0 17.5 26.3#



#26

2,2-Dichloropropane

Concen: 0.307 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.12 min

Lab File: VX010215.D

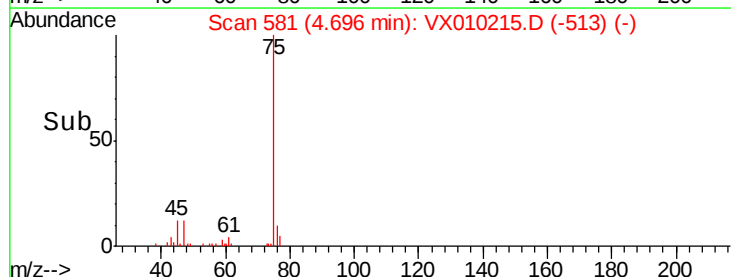
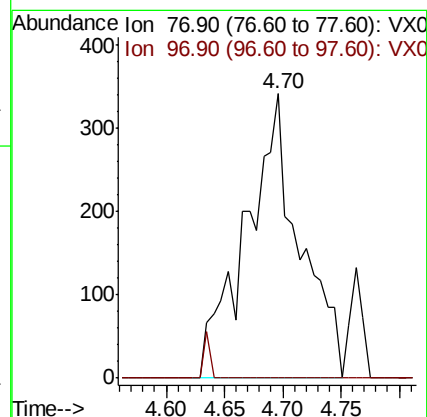
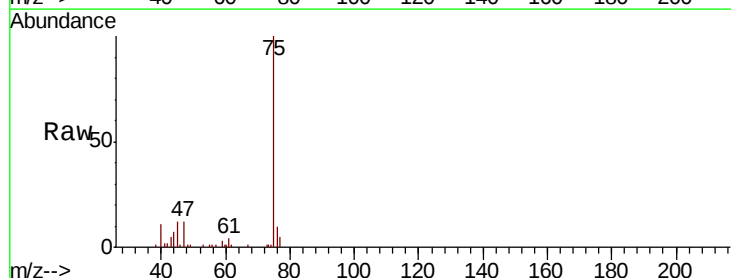
Acq: 11 Jun 2019 06:57

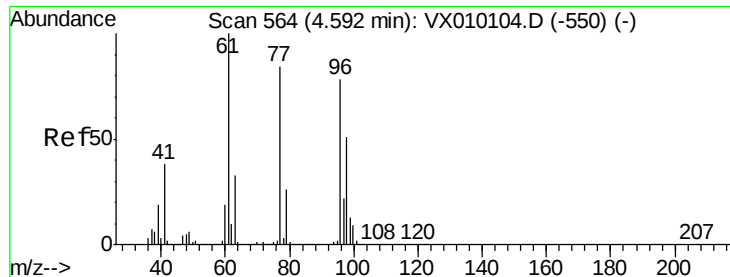
Tgt Ion: 77 Resp: 1083

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



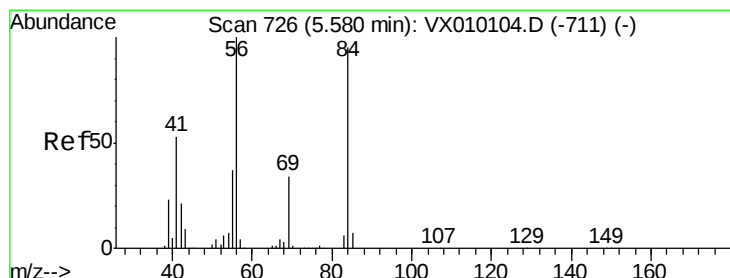
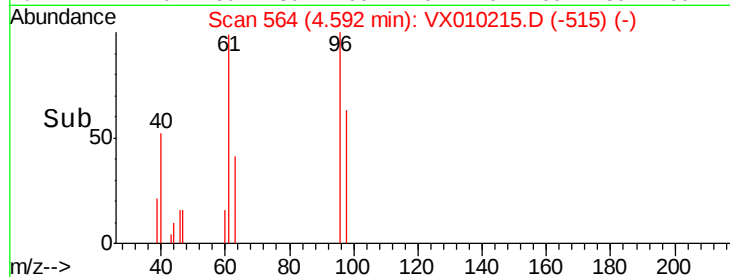
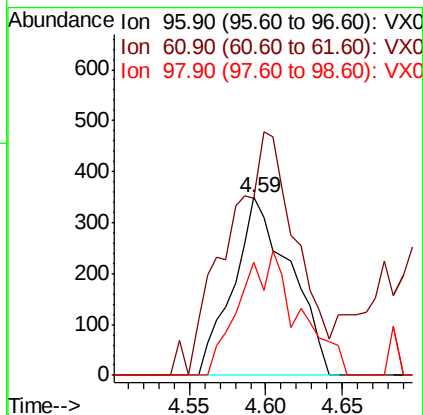
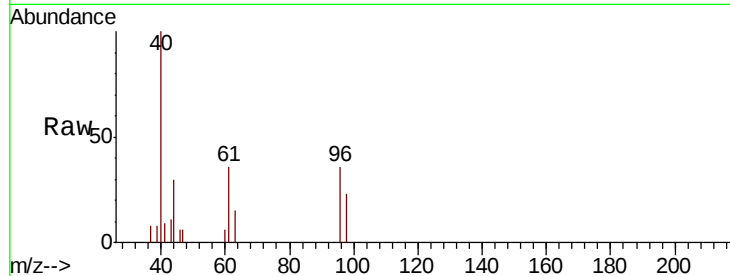


#27

cis-1,2-Dichloroethene
 Concen: 0.335 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VX010215.D
 Acq: 11 Jun 2019 06:57

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20190604DL

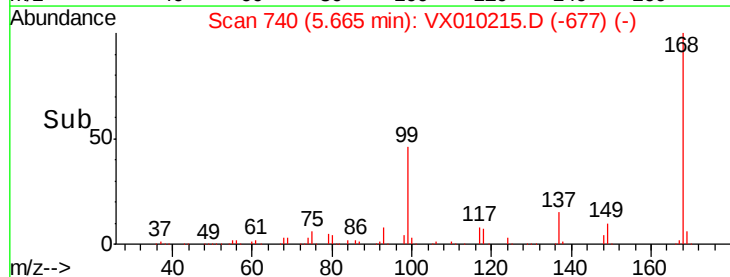
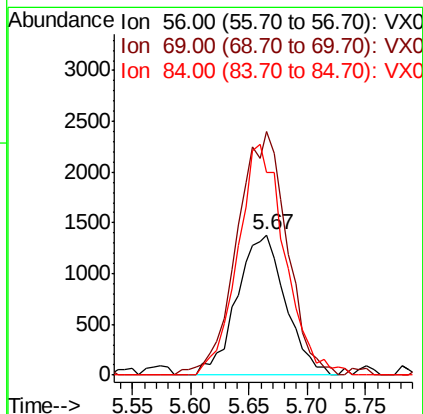
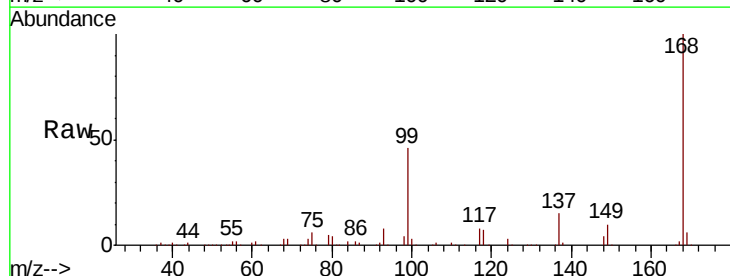
Tot Ion: 96 Resp: 910
 Ion Ratio Lower Upper
 96 100
 61 163.8 0.0 334.0
 98 72.1 0.0 131.6

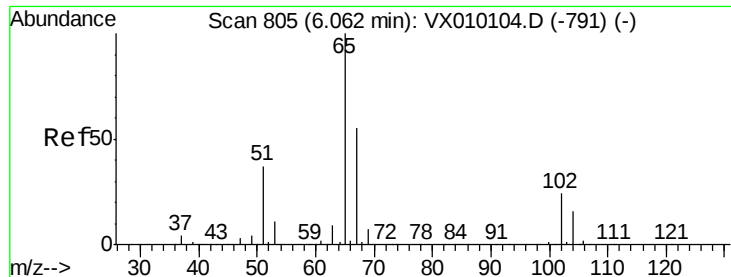


#31

Cyclohexane
 Concen: 1.148 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.09 min
 Lab File: VX010215.D
 Acq: 11 Jun 2019 06:57

Tgt Ion: 56 Resp: 4007
 Ion Ratio Lower Upper
 56 100
 69 173.2 21.6 32.4#
 84 144.0 56.8 85.2#





#33

1,2-Dichloroethane-d4

Concen: 46.340 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010215.D

Acq: 11 Jun 2019 06:57

Instrument :

MSVOA_X

ClientSampleId :

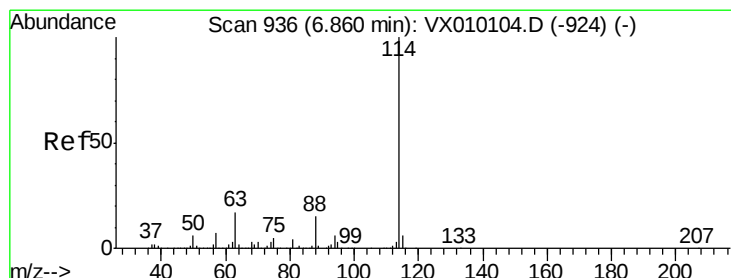
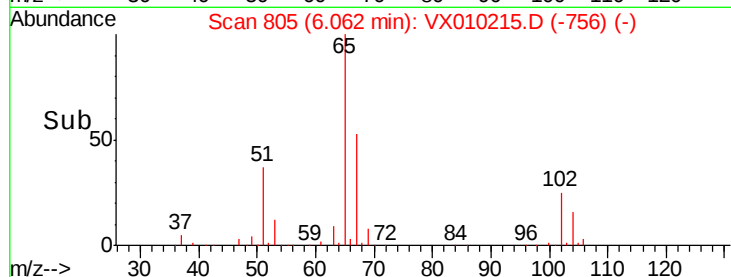
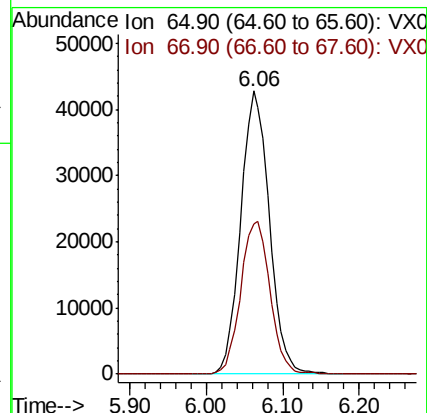
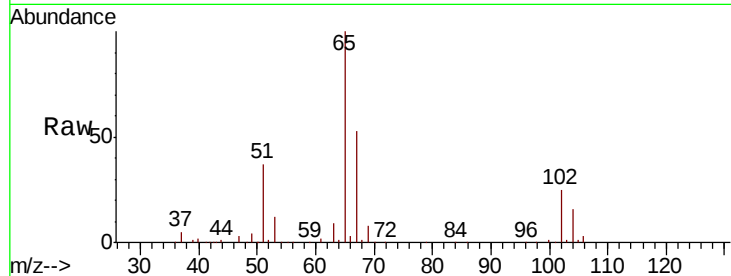
DUP01-20190604DL

Tot Ion: 65 Resp: 111173

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: VX010215.D

Acq: 11 Jun 2019 06:57

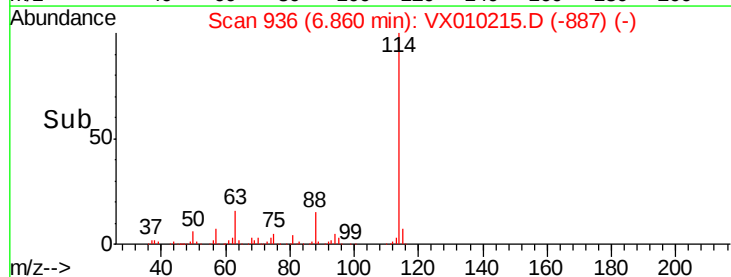
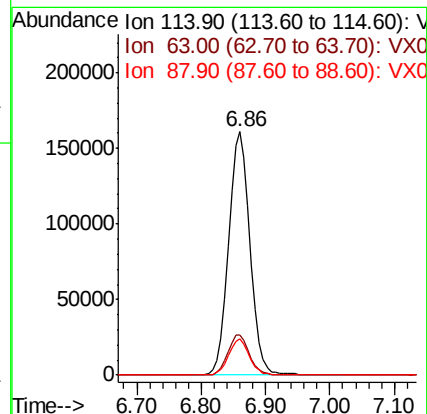
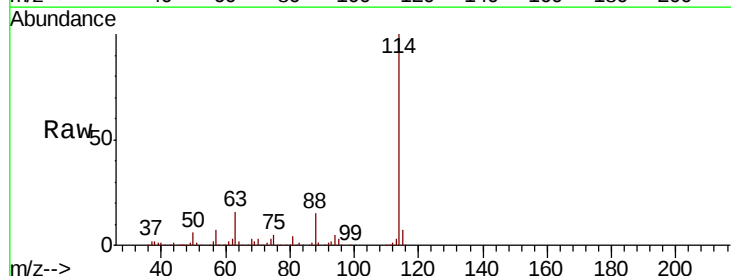
Tgt Ion: 114 Resp: 376593

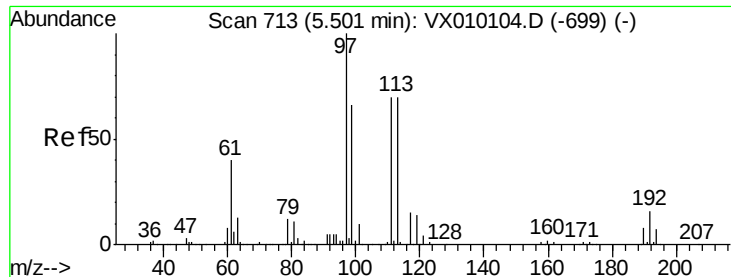
Ion Ratio Lower Upper

114 100

63 16.5 0.0 47.4

88 14.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.936 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010215.D

Acq: 11 Jun 2019 06:57

Instrument :

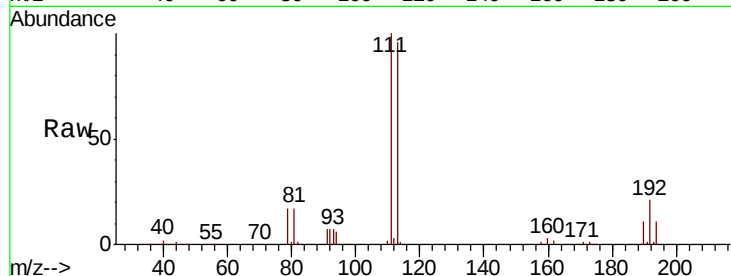
MSVOA_X

ClientSampleId :

DUP01-20190604DL

Tot Ion:113 Resp: 115997

Ion	Ratio	Lower	Upper
113	100		
111	99.8	82.2	123.2
192	23.1	17.1	25.7

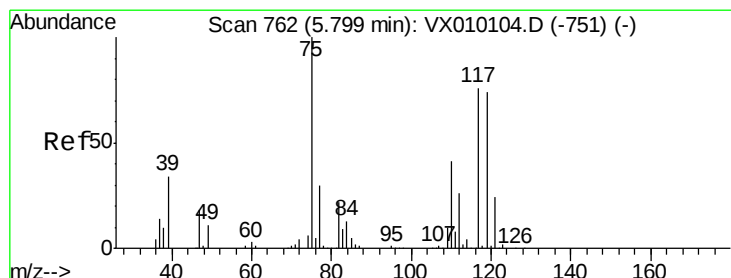
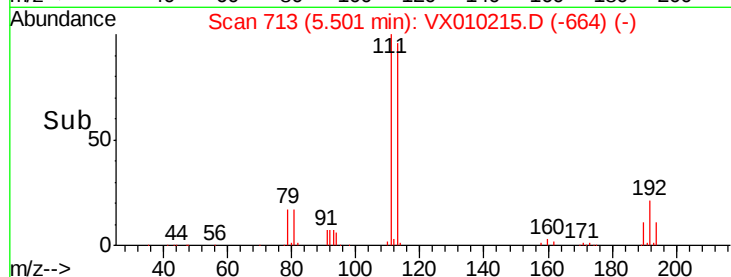
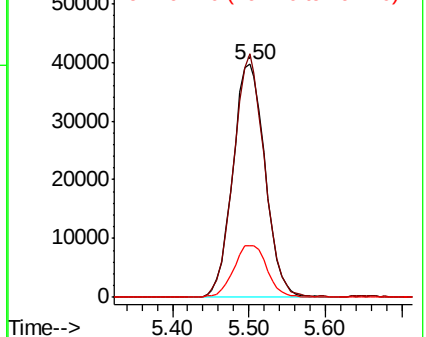


Abundance

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: 4.685 ug/l

RT: 5.66 min Scan# 739

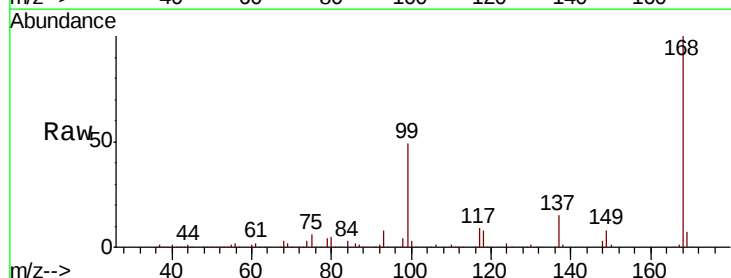
Delta R.T. -0.14 min

Lab File: VX010215.D

Acq: 11 Jun 2019 06:57

Tgt Ion: 75 Resp: 14394

Ion	Ratio	Lower	Upper
75	100		
110	11.1	16.7	50.1#
77	0.1	25.0	37.4#

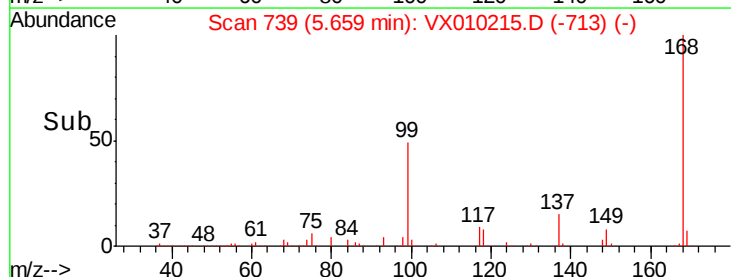
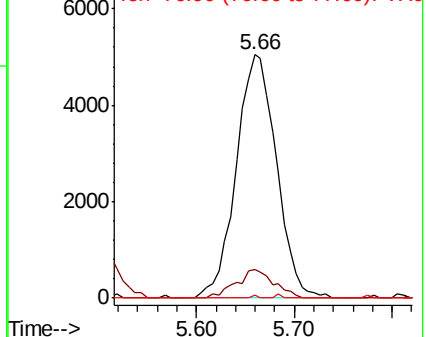


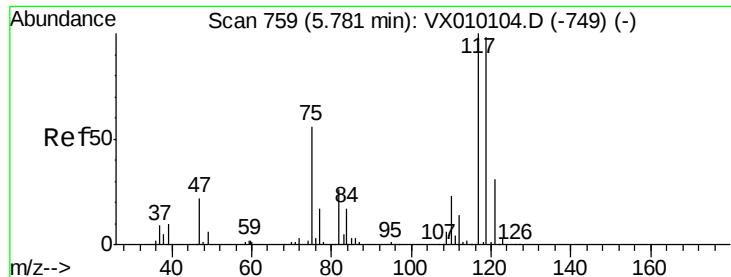
Abundance

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

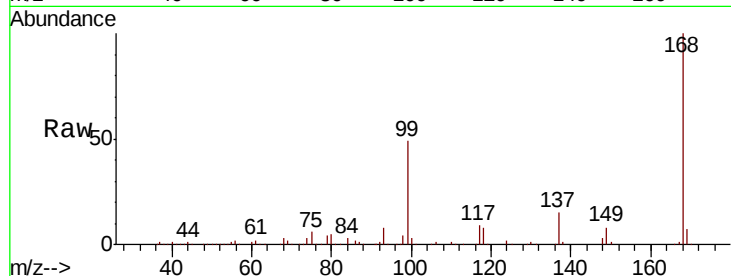




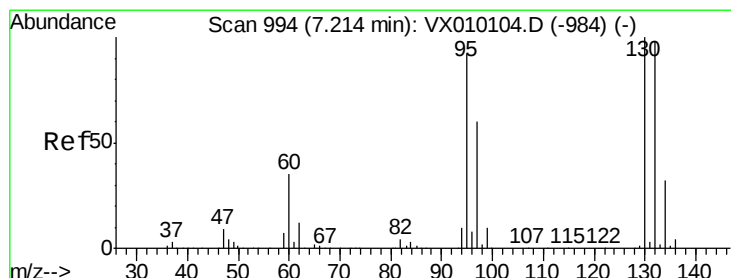
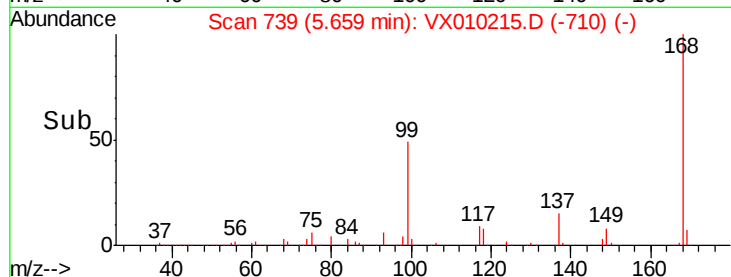
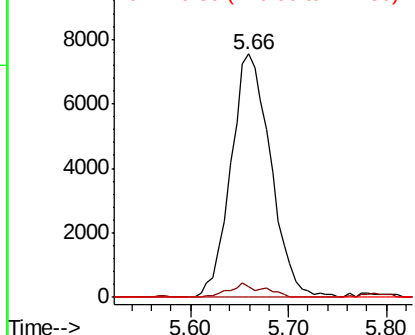
#38
Carbon Tetrachloride
Concen: 6.116 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX010215.D
Acq: 11 Jun 2019 06:57

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20190604DL

Tot Ion:117 Resp: 21268
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 25.4 38.0#

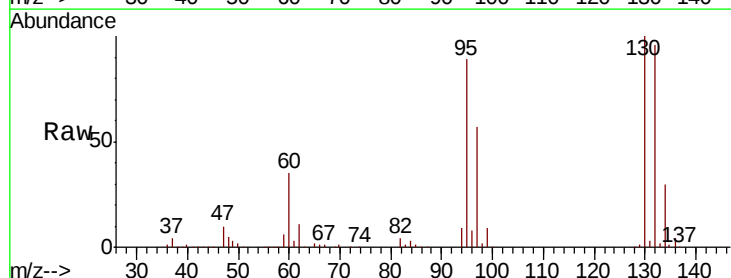


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

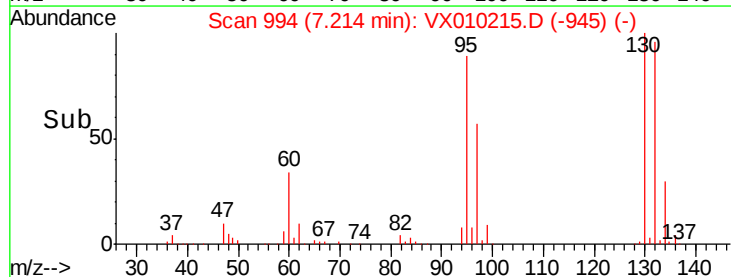
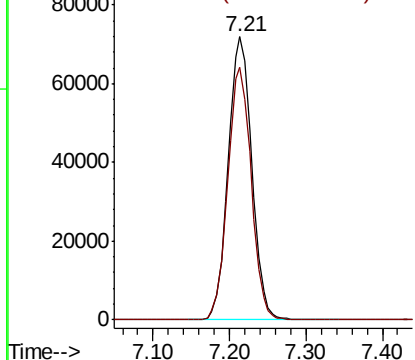


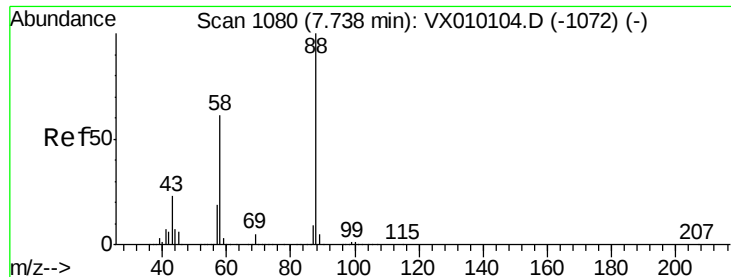
#44
Trichloroethene
Concen: 53.502 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX010215.D
Acq: 11 Jun 2019 06:57

Tgt Ion:130 Resp: 153216
Ion Ratio Lower Upper
130 100
95 89.3 0.0 207.4



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





#49

1,4-Dioxane

Concen: 0.449 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX010215.D

Acq: 11 Jun 2019 06:57

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20190604DL

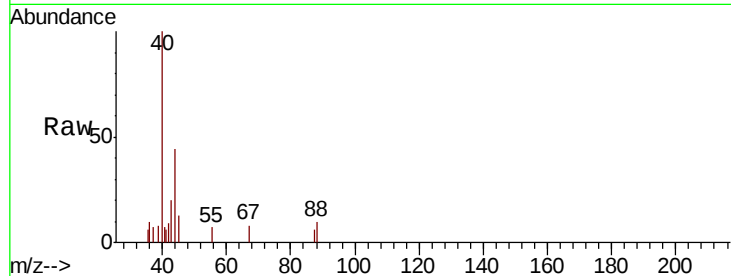
Tot Ion: 88 Resp: 32

Ion Ratio Lower Upper

88 100

43 165.6 30.2 45.4#

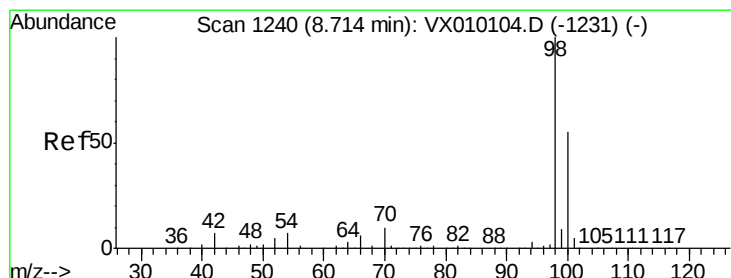
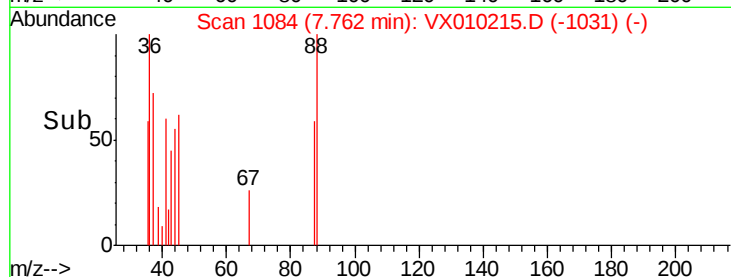
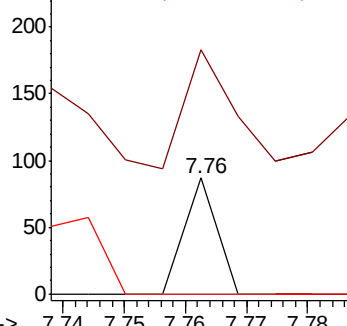
58 0.0 64.0 96.0#



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



#50

Toluene-d8

Concen: 50.380 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010215.D

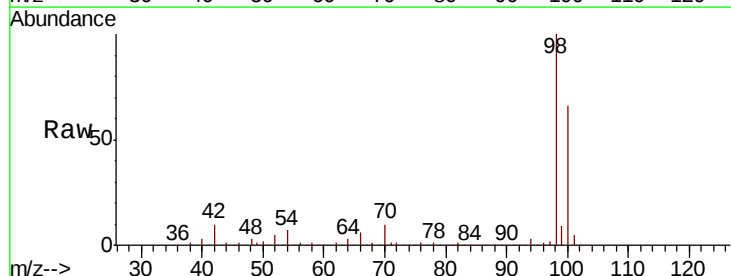
Acq: 11 Jun 2019 06:57

Tgt Ion: 98 Resp: 438602

Ion Ratio Lower Upper

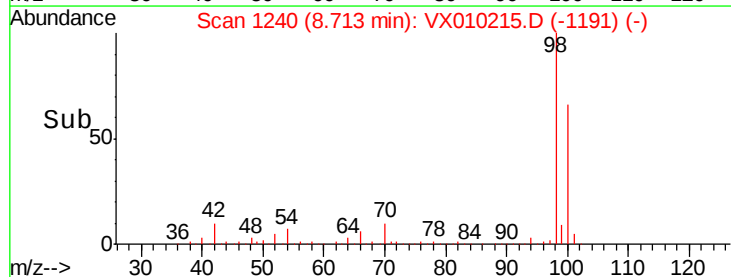
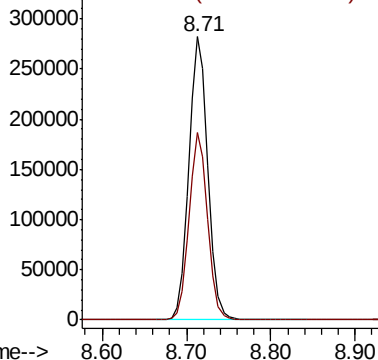
98 100

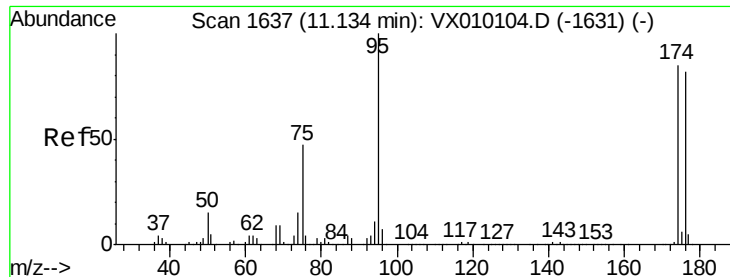
100 64.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.601 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010215.D

Acq: 11 Jun 2019 06:57

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20190604DL

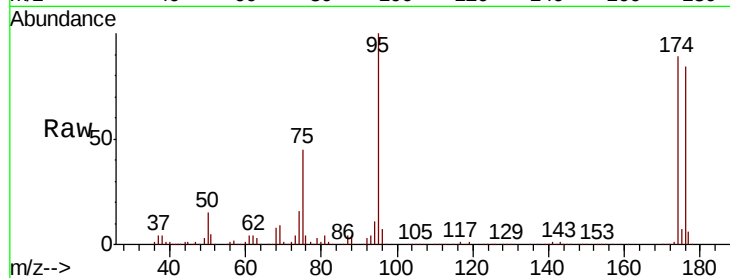
Tot Ion: 95 Resp: 151514

Ion Ratio Lower Upper

95 100

174 93.2 0.0 160.4

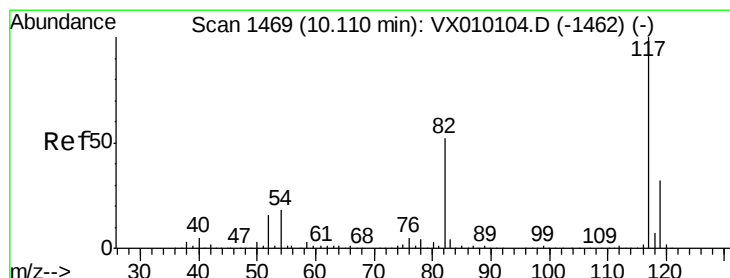
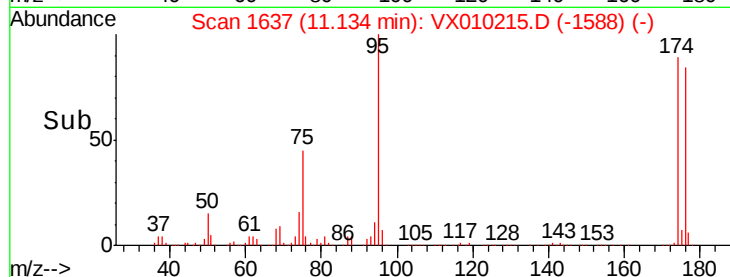
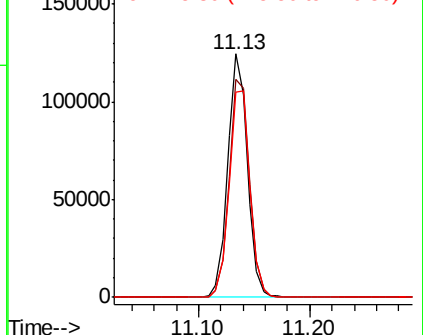
176 90.0 0.0 154.6



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: VX010215.D

Acq: 11 Jun 2019 06:57

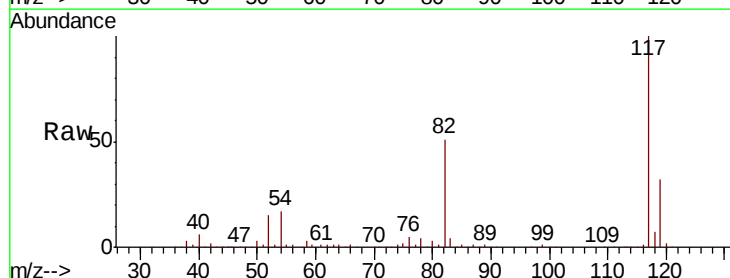
Tgt Ion: 117 Resp: 335164

Ion Ratio Lower Upper

117 100

82 50.8 49.2 73.8

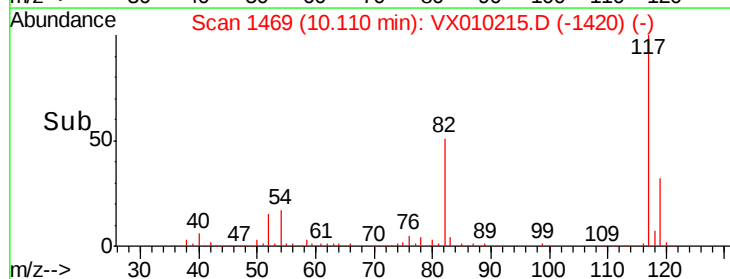
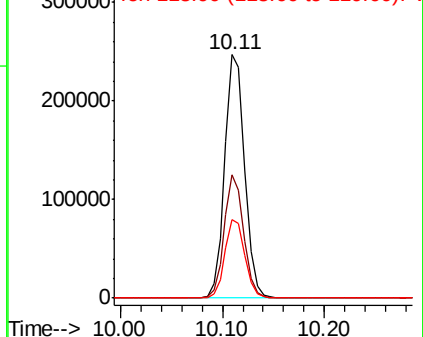
119 32.3 25.2 37.8

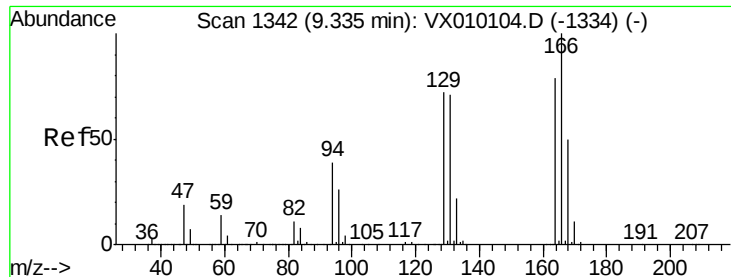


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

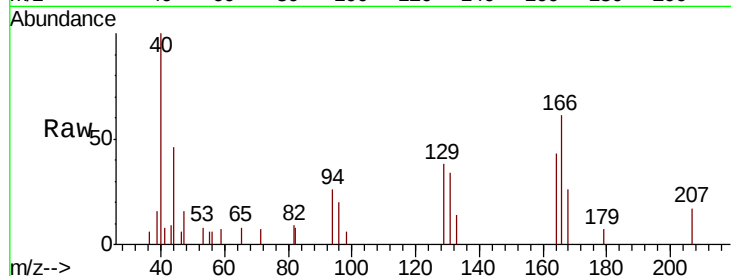




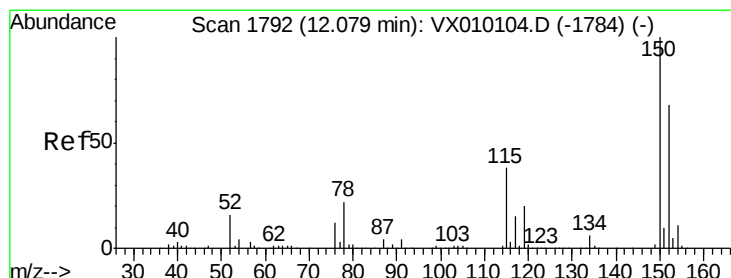
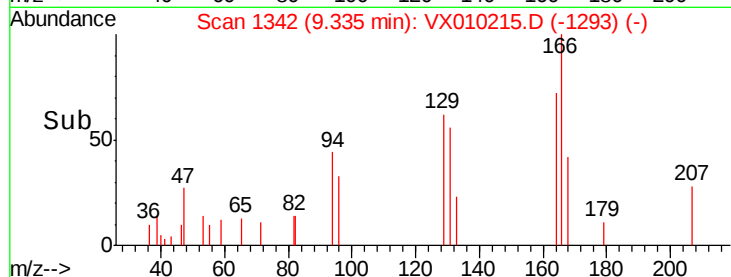
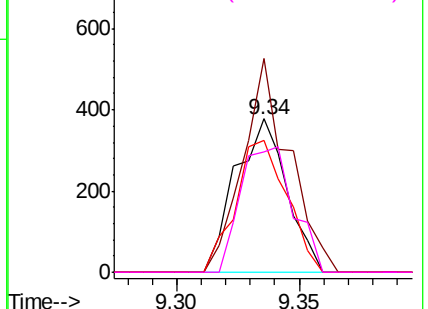
#64
Tetrachloroethene
Concen: 0.222 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010215.D
Acq: 11 Jun 2019 06:57

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20190604DL

Tot Ion:164 Resp: 553
Ion Ratio Lower Upper
164 100
166 139.2 105.0 157.4
129 86.2 75.1 112.7
131 78.6 72.2 108.4

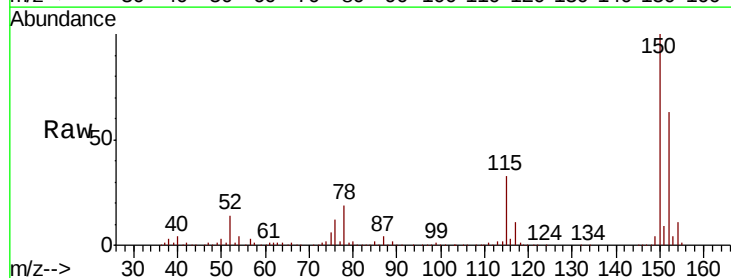


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

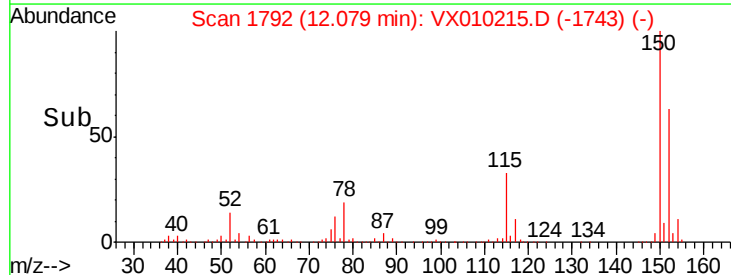
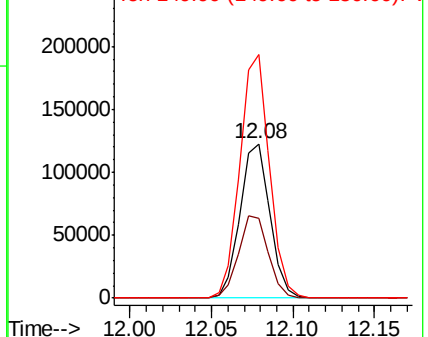


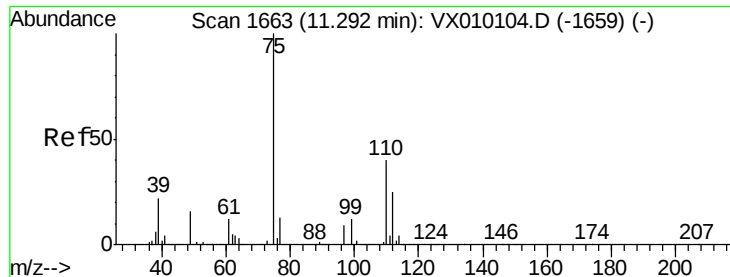
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010215.D
Acq: 11 Jun 2019 06:57

Tgt Ion:152 Resp: 156986
Ion Ratio Lower Upper
152 100
115 53.2 41.4 124.2
150 156.1 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: 21.574 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010215.D

Acq: 11 Jun 2019 06:57

Instrument :

MSVOA_X

ClientSampleId :

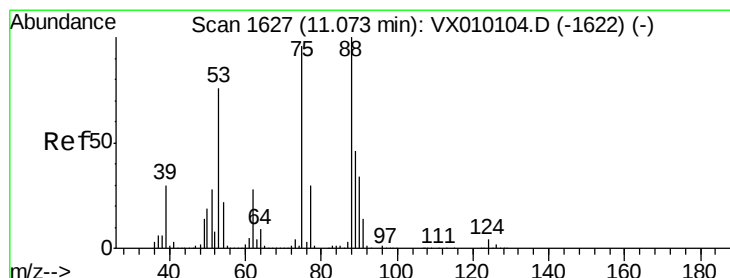
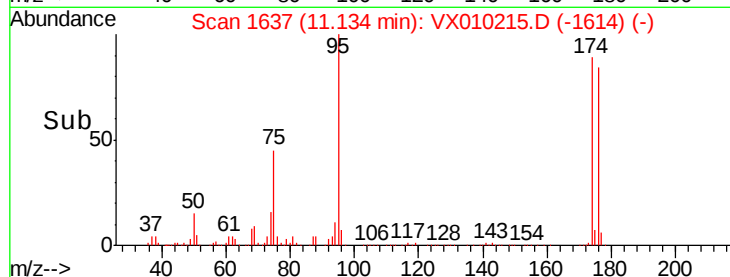
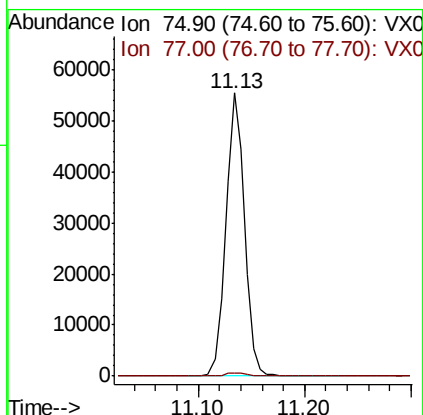
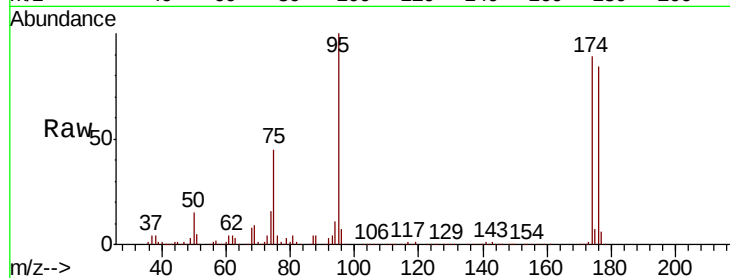
DUP01-20190604DL

Tot Ion: 75 Resp: 67743

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 47.666 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010215.D

Acq: 11 Jun 2019 06:57

Tgt Ion: 75 Resp: 67743

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 34.2 51.4#

