

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010180.D
 Acq On : 10 Jun 2019 16:09
 Operator : JC/SP
 Sample : K3257-02DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20190605DL

Quant Time: Jun 11 02:38:28 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	5.66	168	253474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	382445	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	351460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168722	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	114830	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	
35) Dibromofluoromethane	5.49	113	118030	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
50) Toluene-d8	8.71	98	448194	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.13	95	159580	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	

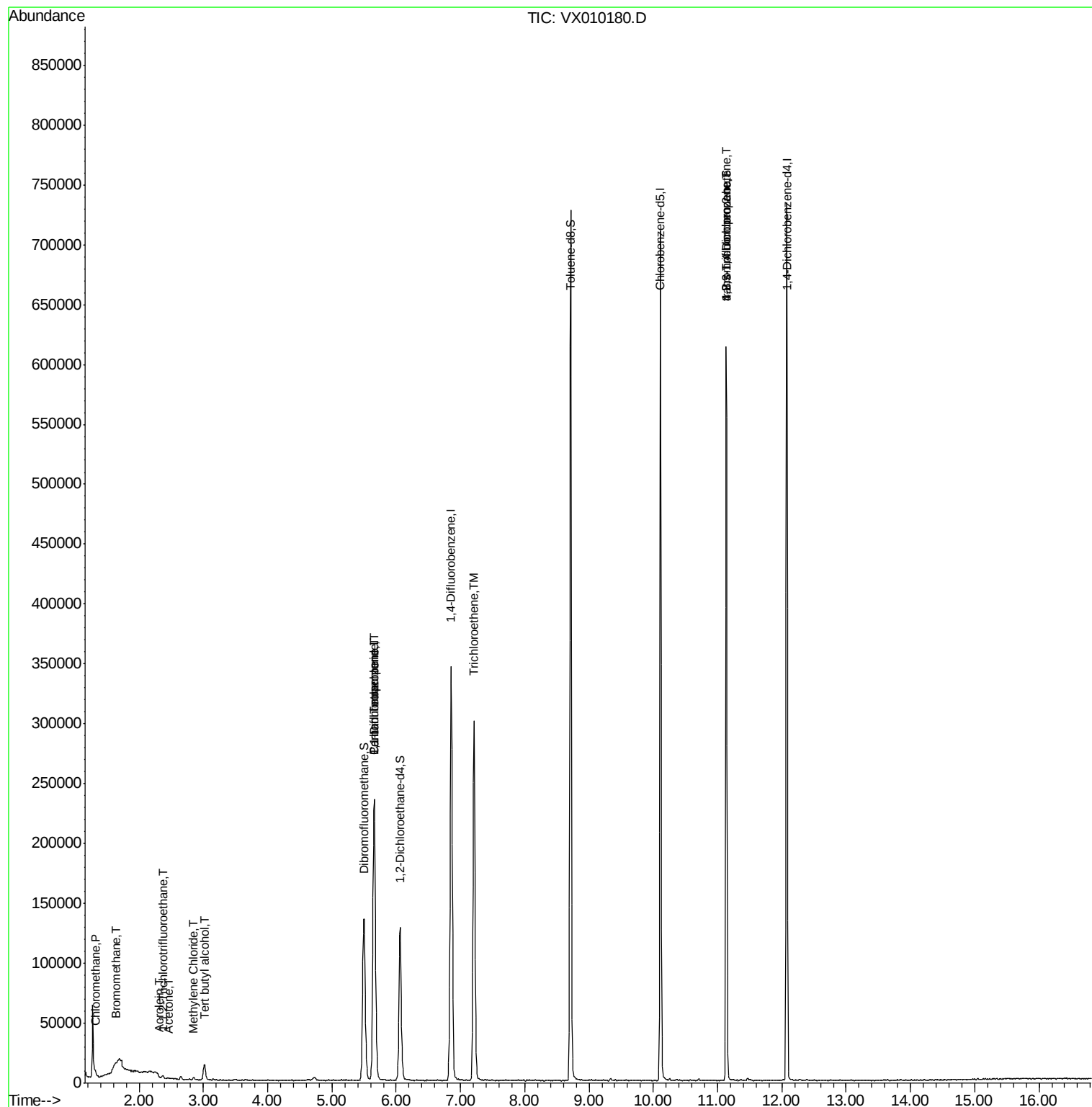
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	703	0.304	ug/l	99
5) Bromomethane	1.63	94	168	0.205	ug/l #	71
9) 1,1,2-Trichlorotrifluoroet	2.37	101	454	0.204	ug/l #	86
11) Tert butyl alcohol	3.01	59	7623	12.577	ug/l #	83
13) Acrolein	2.32	56	107	0.968	ug/l #	14
16) Acetone	2.45	43	806	0.693	ug/l	90
20) Methylene Chloride	2.85	84	889	0.348	ug/l #	82
36) 1,1-Dichloropropene	5.66	75	14795	4.742	ug/l #	52
38) Carbon Tetrachloride	5.66	117	22130	6.266	ug/l #	14
44) Trichloroethene	7.21	130	128393	44.148	ug/l	87
76) 1,2,3-Trichloropropane	11.13	75	72104	21.366	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	72104	47.206	ug/l #	10

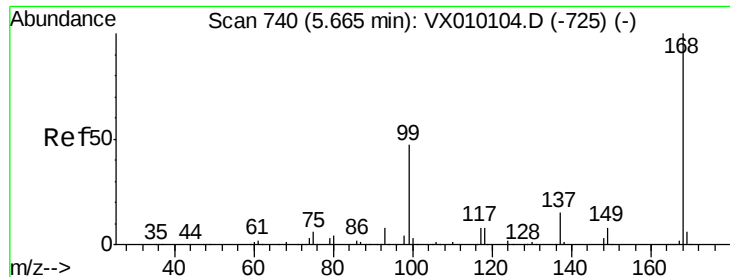
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010180.D

Acq: 10 Jun 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

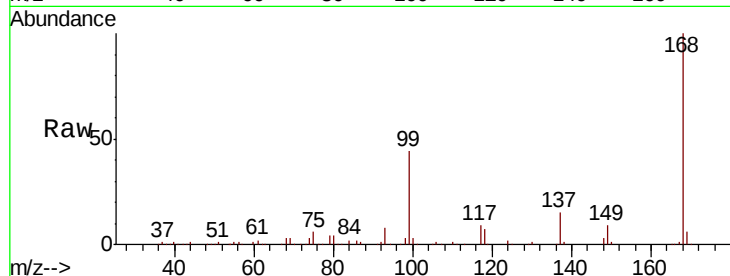
DUP02-20190605DL

Tot Ion:168 Resp: 253474

Ion Ratio Lower Upper

168 100

99 44.4 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

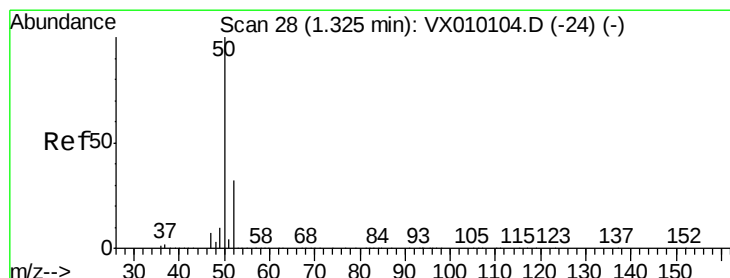
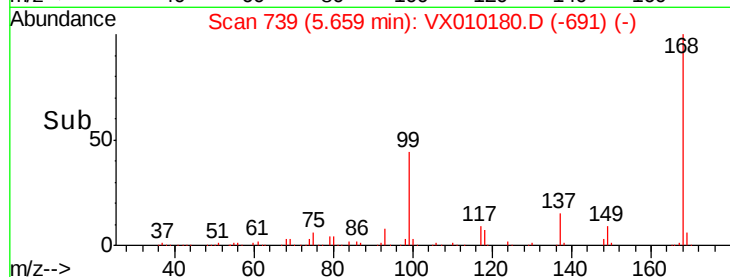
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.304 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010180.D

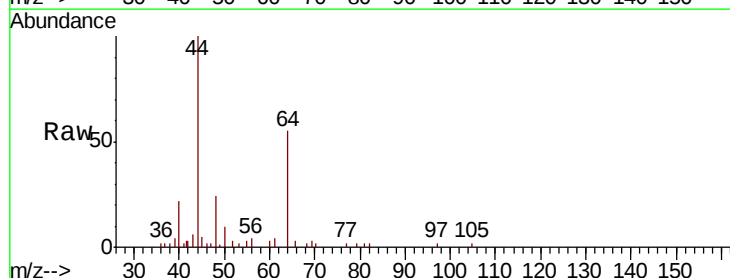
Acq: 10 Jun 2019 16:09

Tgt Ion: 50 Resp: 703

Ion Ratio Lower Upper

50 100

52 32.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

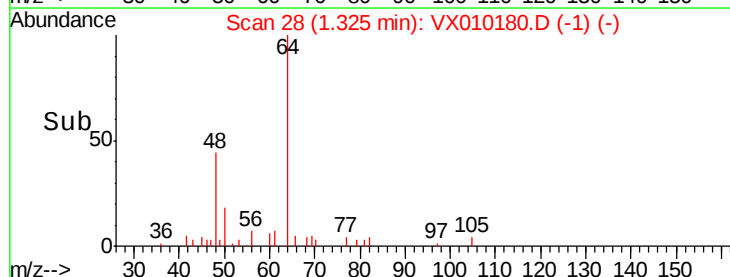
300

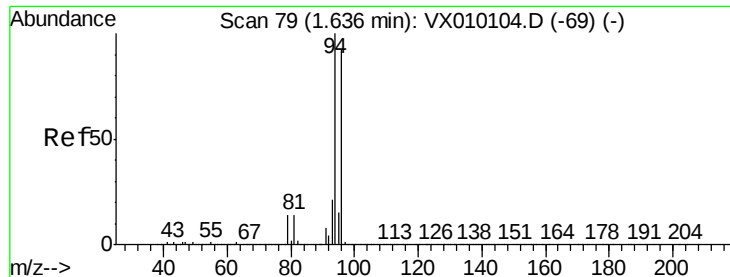
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.205 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX010180.D

Acq: 10 Jun 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

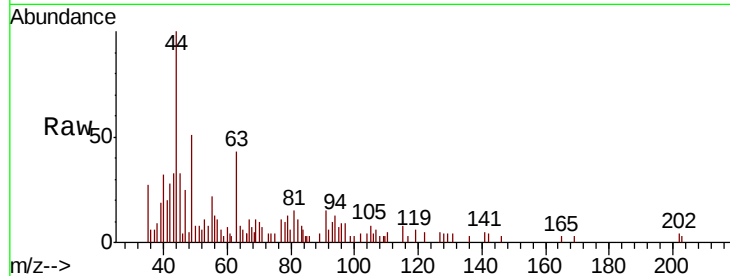
DUP02-20190605DL

Tot Ion: 94 Resp: 168

Ion Ratio Lower Upper

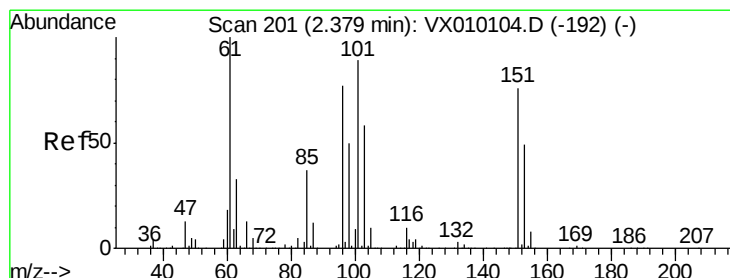
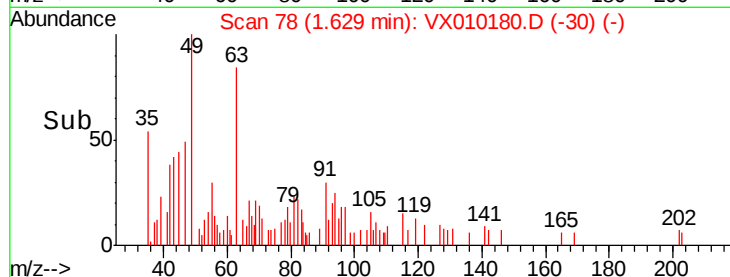
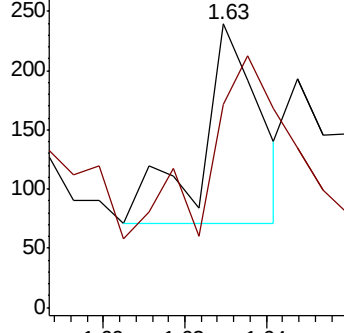
94 100

96 67.3 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.204 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX010180.D

Acq: 10 Jun 2019 16:09

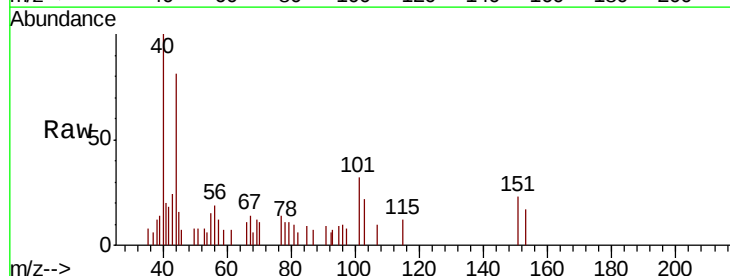
Tgt Ion: 101 Resp: 454

Ion Ratio Lower Upper

101 100

85 62.8 35.2 52.8#

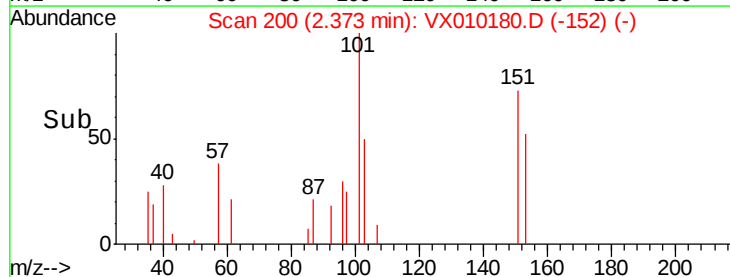
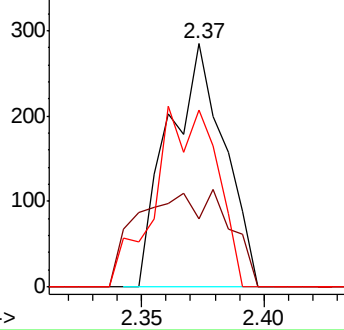
151 81.9 61.9 92.9

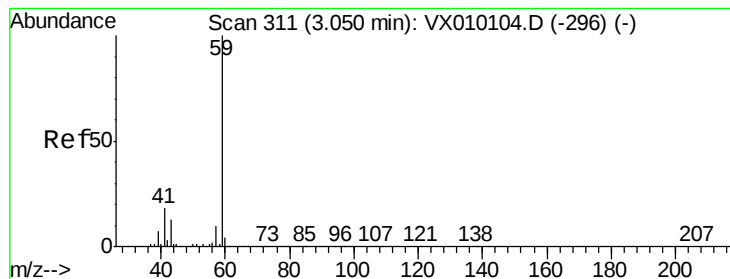


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



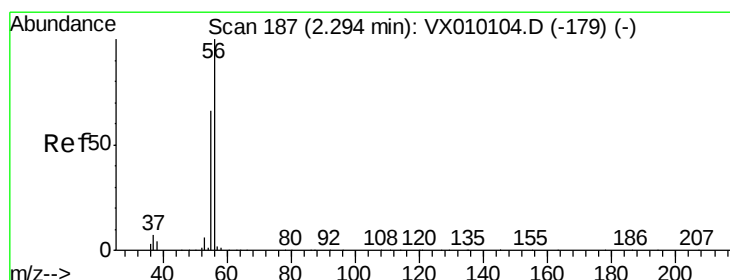
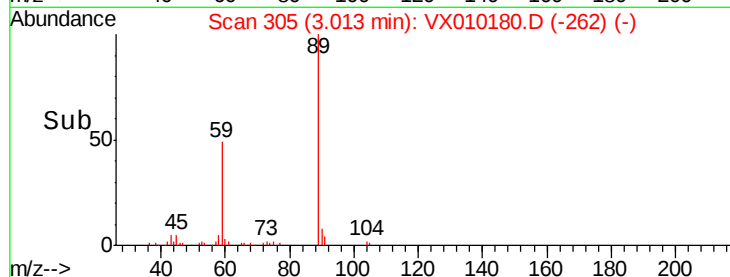
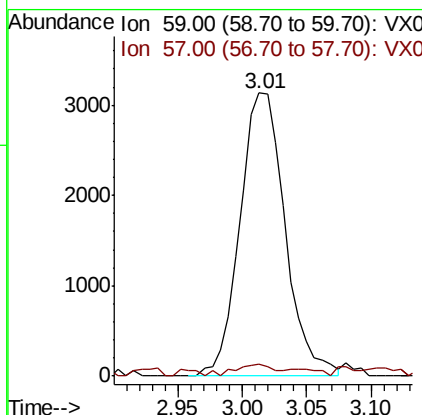
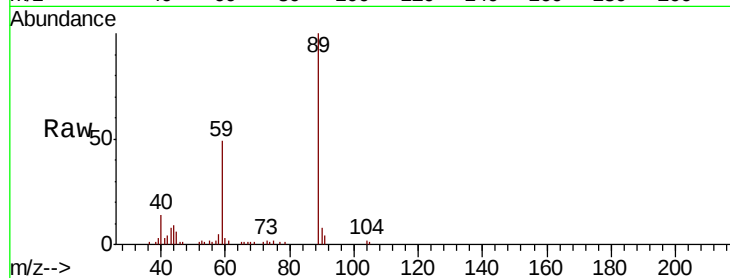


#11

Tert butyl alcohol
 Concen: 12.577 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX010180.D
 Acq: 10 Jun 2019 16:09

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20190605DL

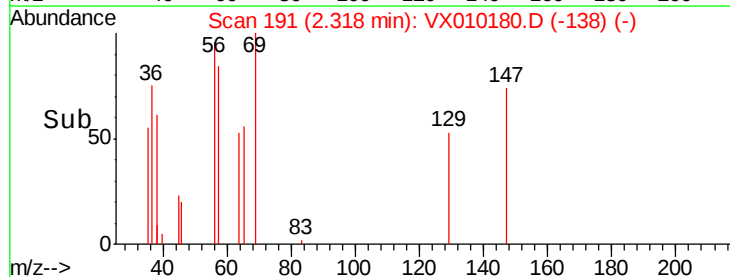
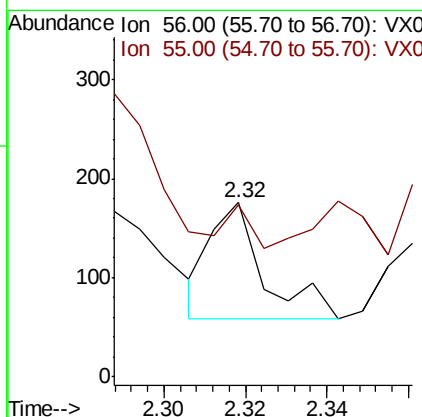
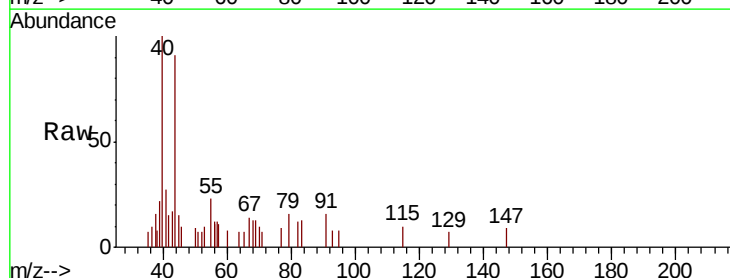
Tot Ion: 59 Resp: 7623
 Ion Ratio Lower Upper
 59 100
 57 3.8 8.2 12.2#

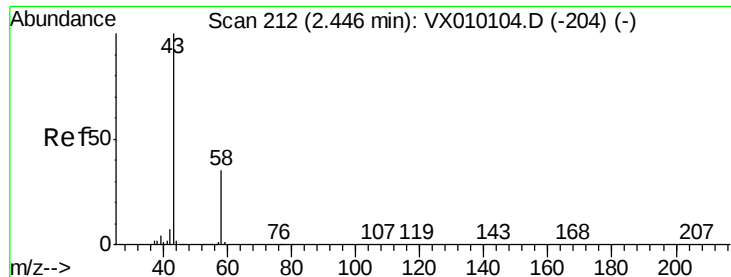


#13

Acrolein
 Concen: 0.968 ug/l
 RT: 2.32 min Scan# 191
 Delta R.T. 0.02 min
 Lab File: VX010180.D
 Acq: 10 Jun 2019 16:09

Tgt Ion: 56 Resp: 107
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#





#16

Acetone

Concen: 0.693 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010180.D

Acq: 10 Jun 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

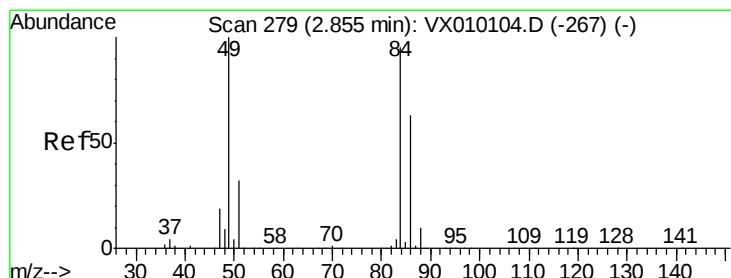
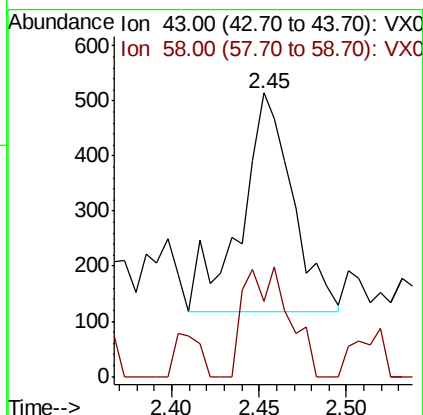
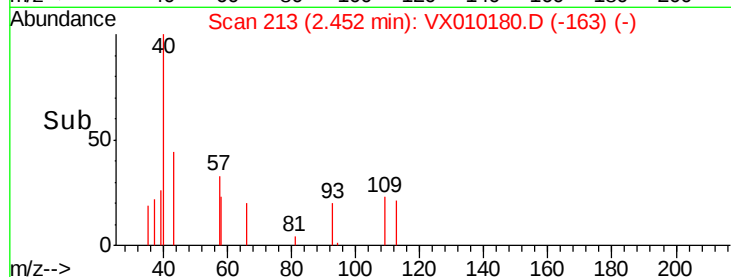
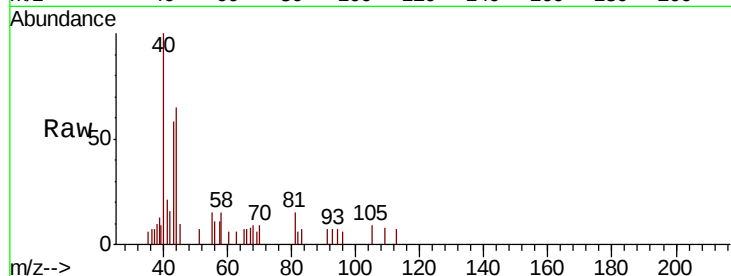
DUP02-20190605DL

Tot Ion: 43 Resp: 806

Ion Ratio Lower Upper

43 100

58 34.1 23.2 34.8



#20

Methylene Chloride

Concen: 0.348 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX010180.D

Acq: 10 Jun 2019 16:09

Tgt Ion: 84 Resp: 889

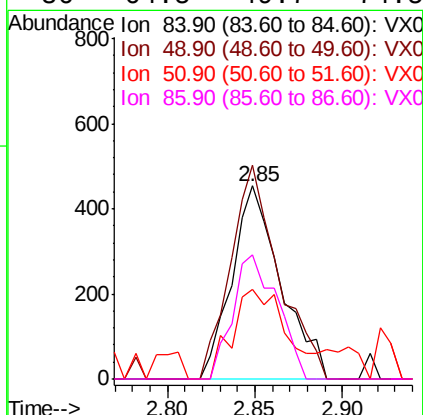
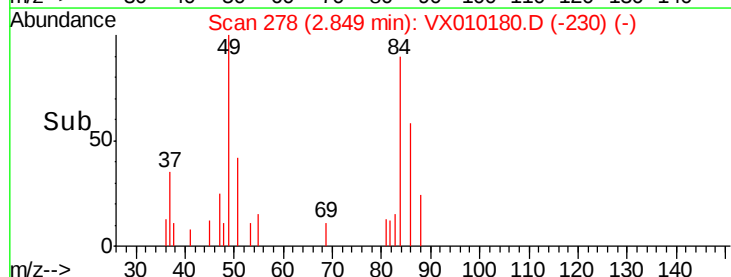
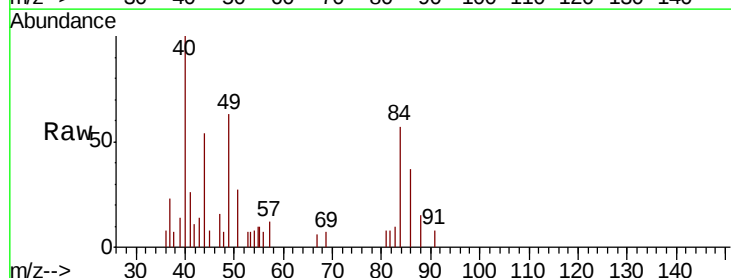
Ion Ratio Lower Upper

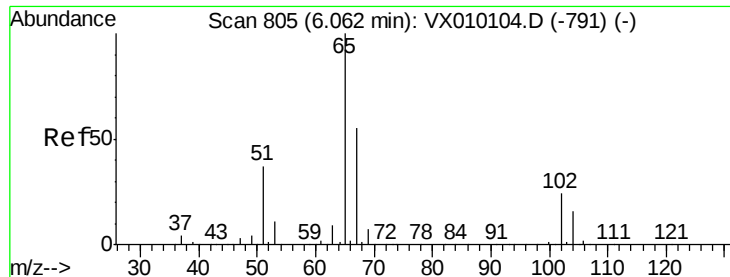
84 100

49 110.8 115.8 173.6#

51 46.8 34.4 51.6

86 64.5 49.7 74.5





#33

1,2-Dichloroethane-d4

Concen: 46.411 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010180.D

Acq: 10 Jun 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

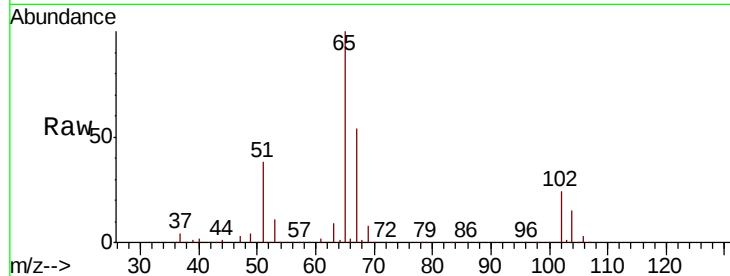
DUP02-20190605DL

Tot Ion: 65 Resp: 114830

Ion Ratio Lower Upper

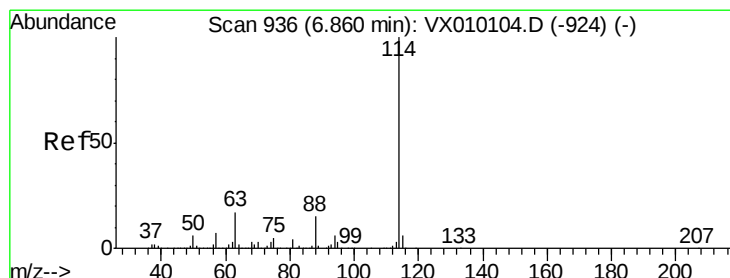
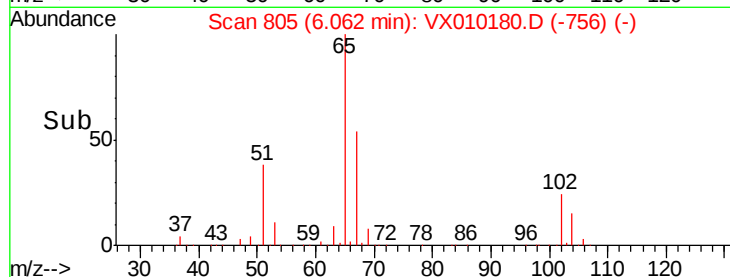
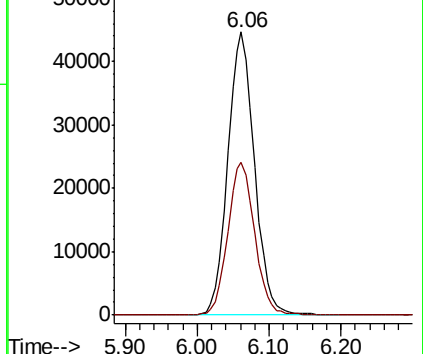
65 100

67 54.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010180.D

Acq: 10 Jun 2019 16:09

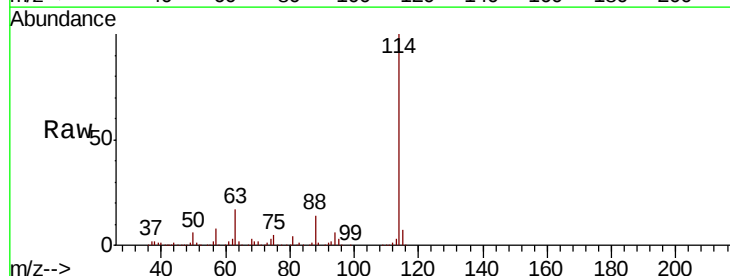
Tgt Ion: 114 Resp: 382445

Ion Ratio Lower Upper

114 100

63 17.1 0.0 47.4

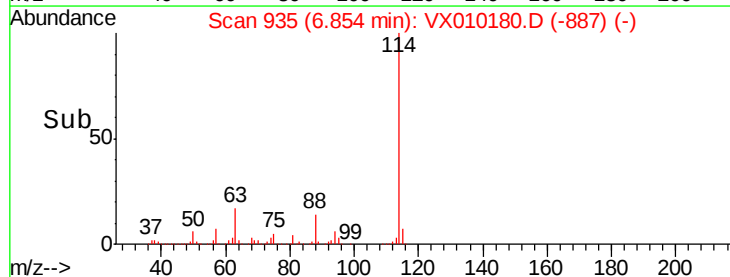
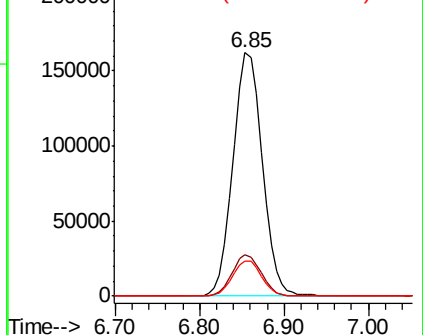
88 14.5 0.0 33.0

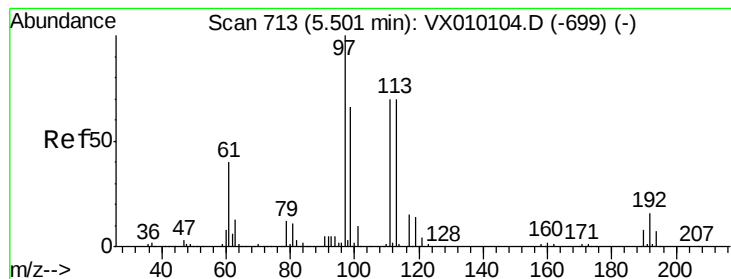


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.034 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010180.D

Acq: 10 Jun 2019 16:09

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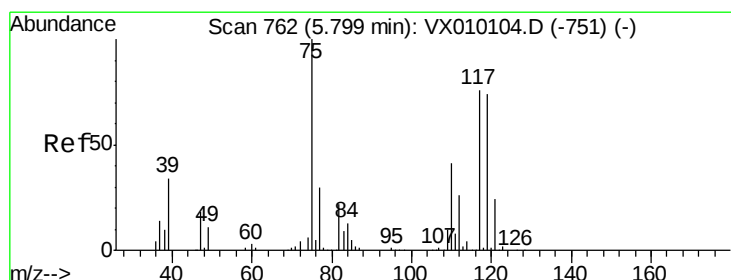
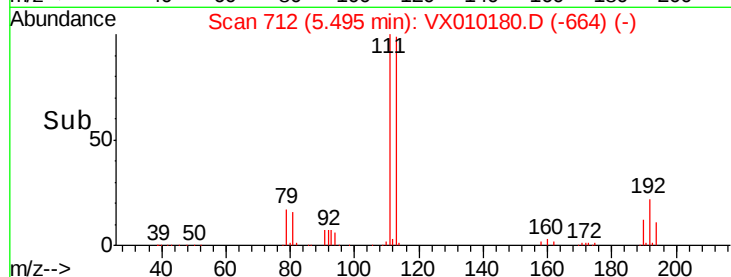
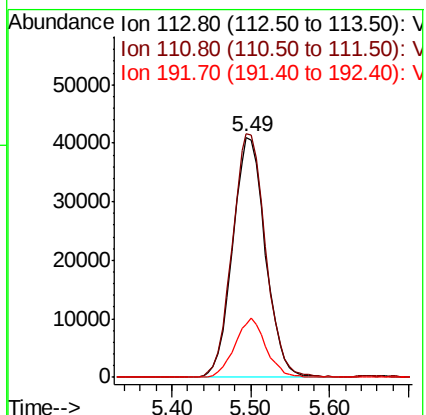
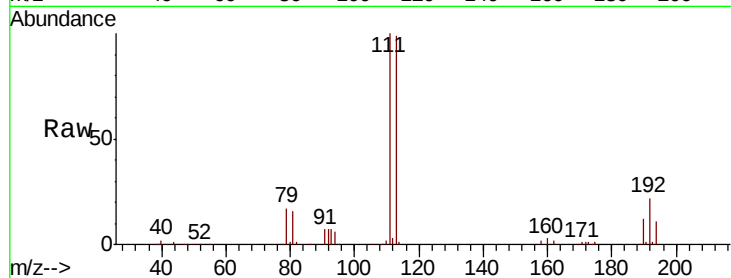
Tot Ion:113 Resp: 118030

Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.2

192 23.4 17.1 25.7



#36

1,1-Dichloropropene

Concen: 4.742 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010180.D

Acq: 10 Jun 2019 16:09

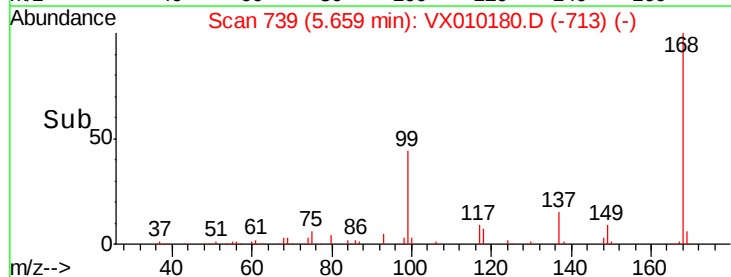
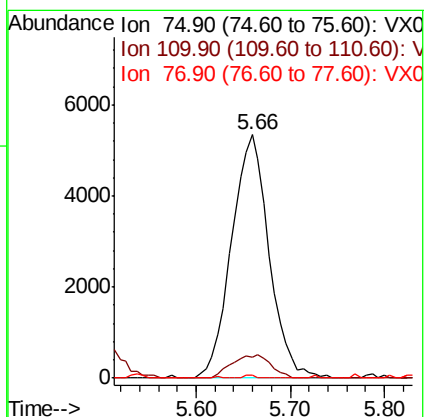
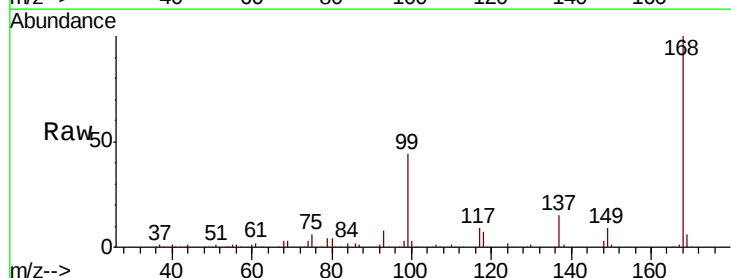
Tgt Ion: 75 Resp: 14795

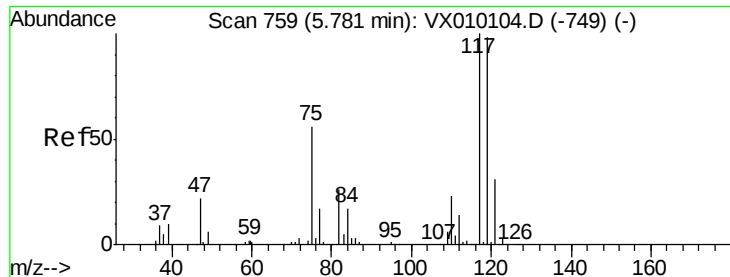
Ion Ratio Lower Upper

75 100

110 10.1 16.7 50.1#

77 0.3 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.266 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010180.D

Acq: 10 Jun 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190605DL

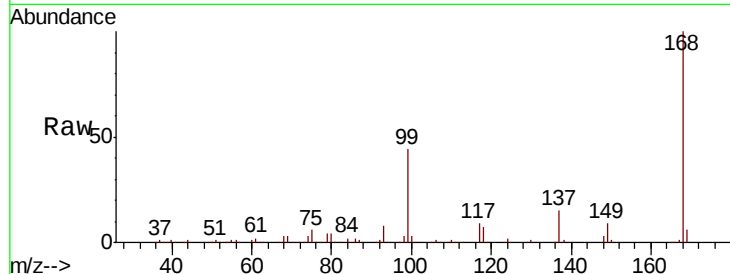
Tot Ion:117 Resp: 22130

Ion Ratio Lower Upper

117 100

119 3.3 77.3 115.9#

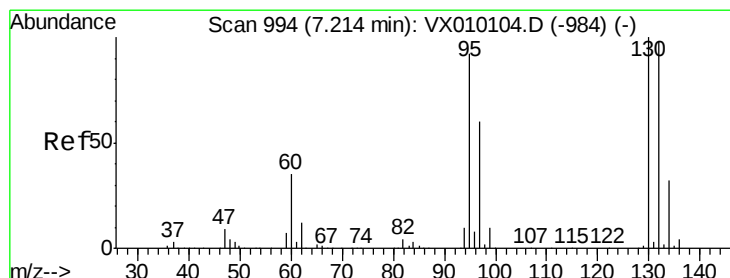
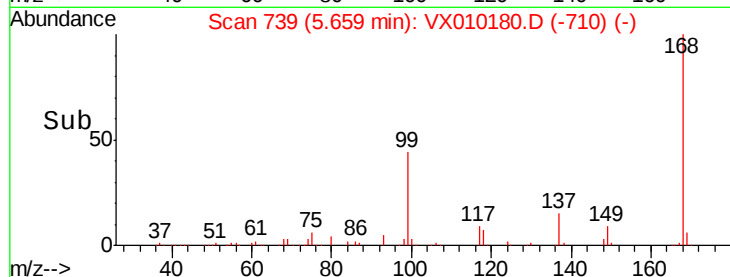
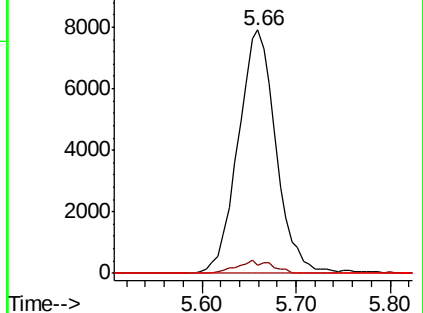
121 0.0 25.4 38.0#



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: 44.148 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010180.D

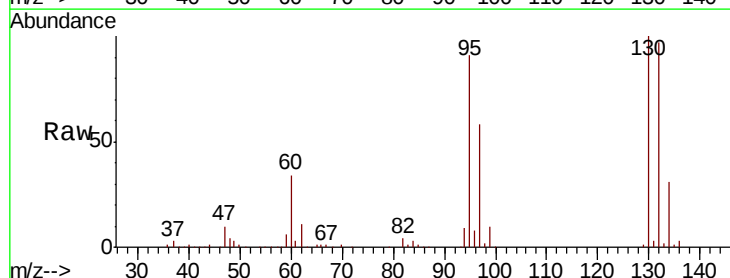
Acq: 10 Jun 2019 16:09

Tgt Ion:130 Resp: 128393

Ion Ratio Lower Upper

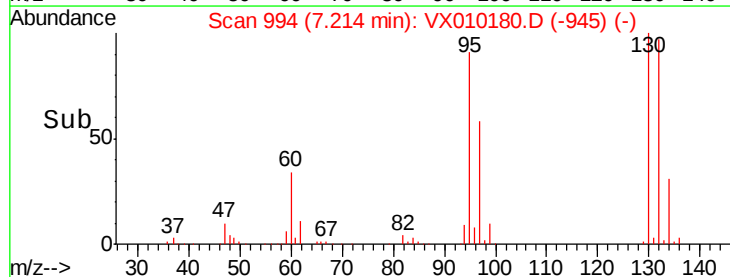
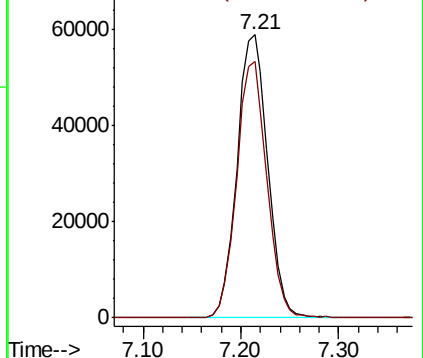
130 100

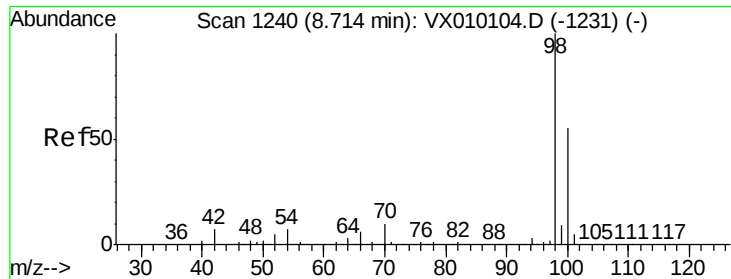
95 90.8 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.694 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010180.D

Acq: 10 Jun 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

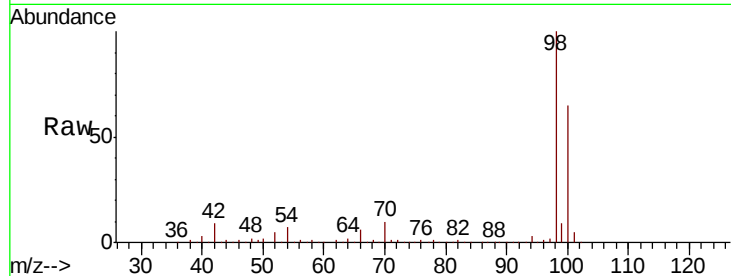
DUP02-20190605DL

Tot Ion: 98 Resp: 448194

Ion Ratio Lower Upper

98 100

100 64.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

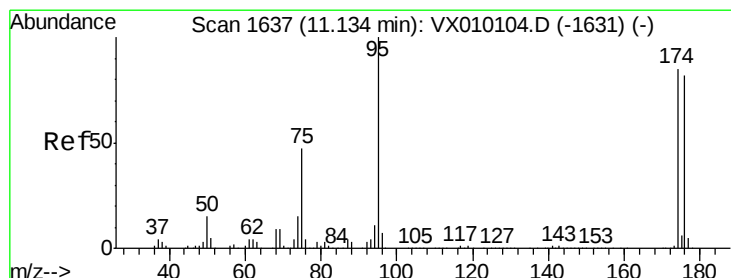
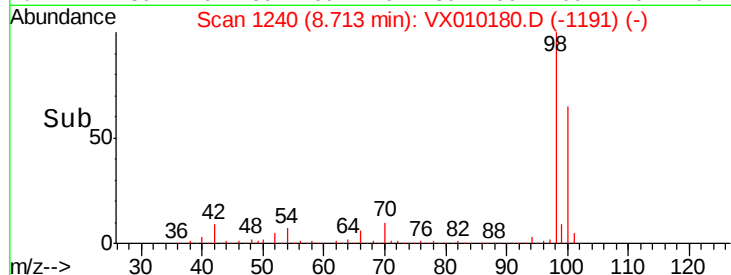
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.331 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010180.D

Acq: 10 Jun 2019 16:09

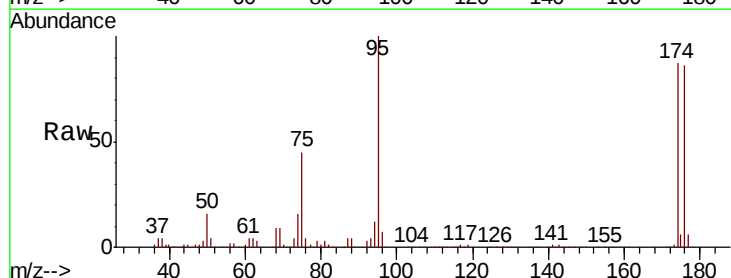
Tgt Ion: 95 Resp: 159580

Ion Ratio Lower Upper

95 100

174 93.4 0.0 160.4

176 91.6 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

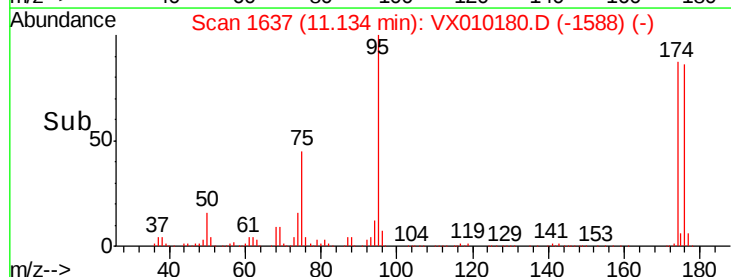
150000

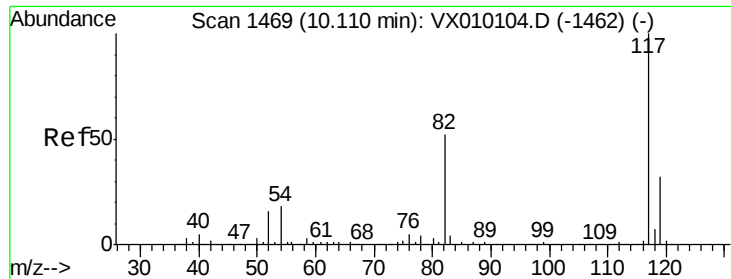
100000

50000

0

Time-->

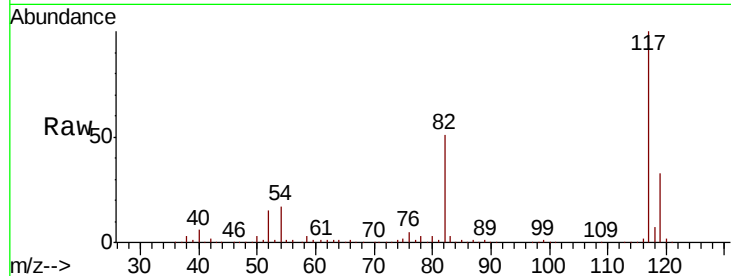




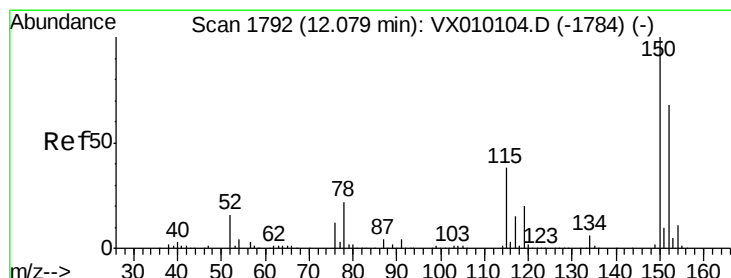
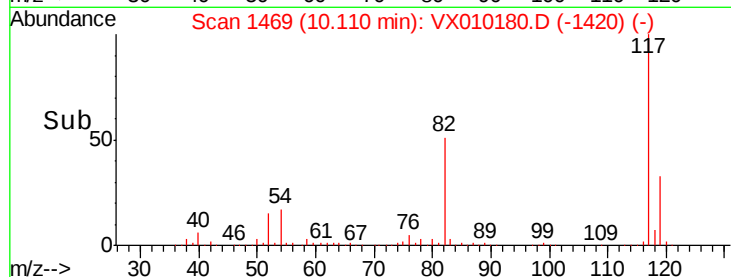
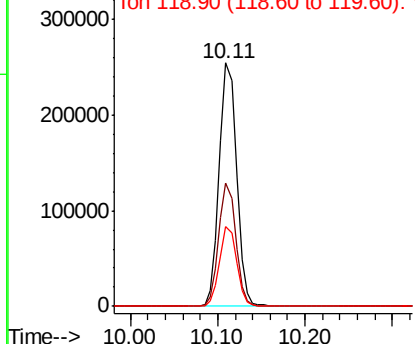
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010180.D
Acq: 10 Jun 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20190605DL

Tot Ion:117 Resp: 351460
Ion Ratio Lower Upper
117 100
82 50.9 49.2 73.8
119 32.6 25.2 37.8

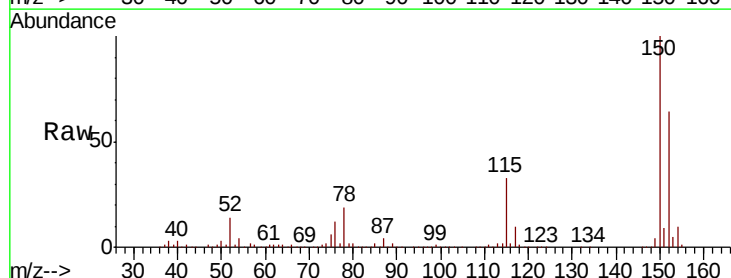


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

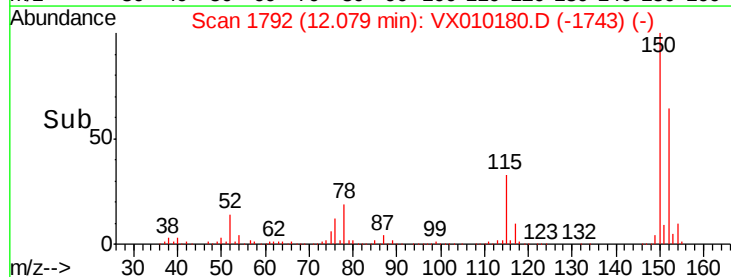
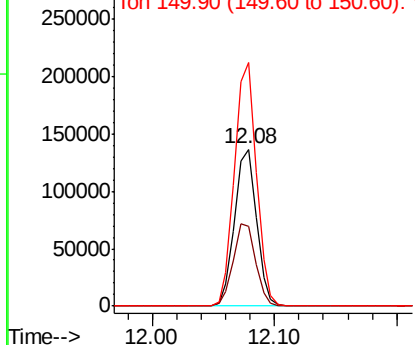


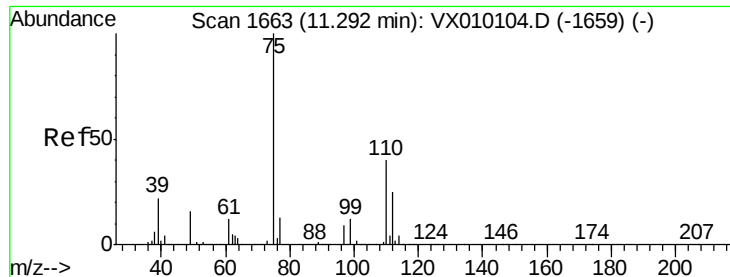
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010180.D
Acq: 10 Jun 2019 16:09

Tgt Ion:152 Resp: 168722
Ion Ratio Lower Upper
152 100
115 53.5 41.4 124.2
150 155.6 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: 21.366 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010180.D

Acq: 10 Jun 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

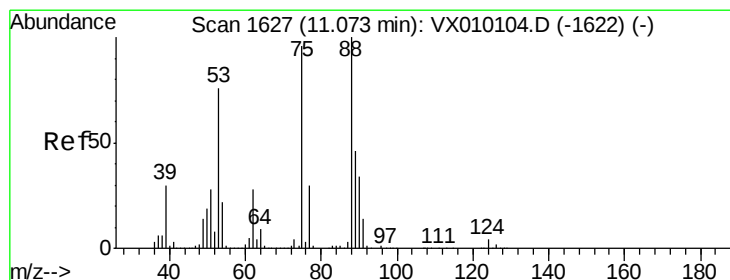
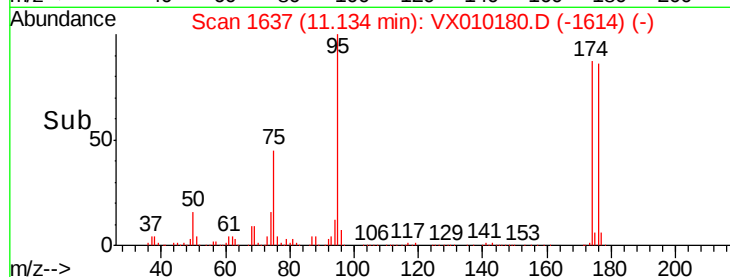
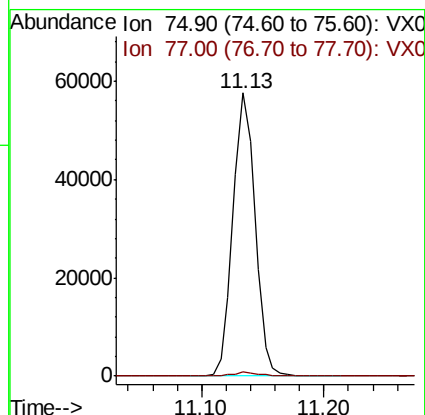
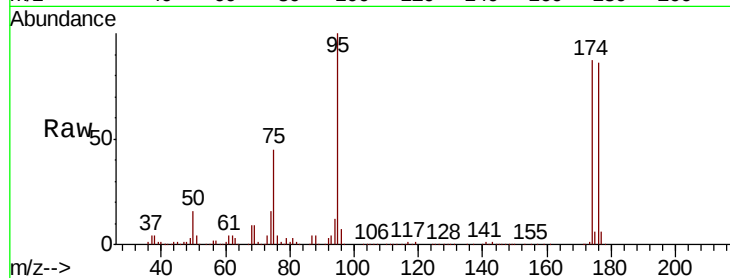
DUP02-20190605DL

Tot Ion: 75 Resp: 72104

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 47.206 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010180.D

Acq: 10 Jun 2019 16:09

Tgt Ion: 75 Resp: 72104

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.1 34.2 51.4#

