

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009318.D
 Acq On : 03 May 2019 18:37
 Operator : JC/SP
 Sample : K2662-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0518-190430

Quant Time: May 03 23:19:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	194005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	311636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	273932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116704	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	128713	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
35) Dibromofluoromethane	5.50	113	94915	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
50) Toluene-d8	8.71	98	390407	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	11.13	95	128070	44.56	ug/l	0.00
Spiked Amount			Recovery	=	89.12%	

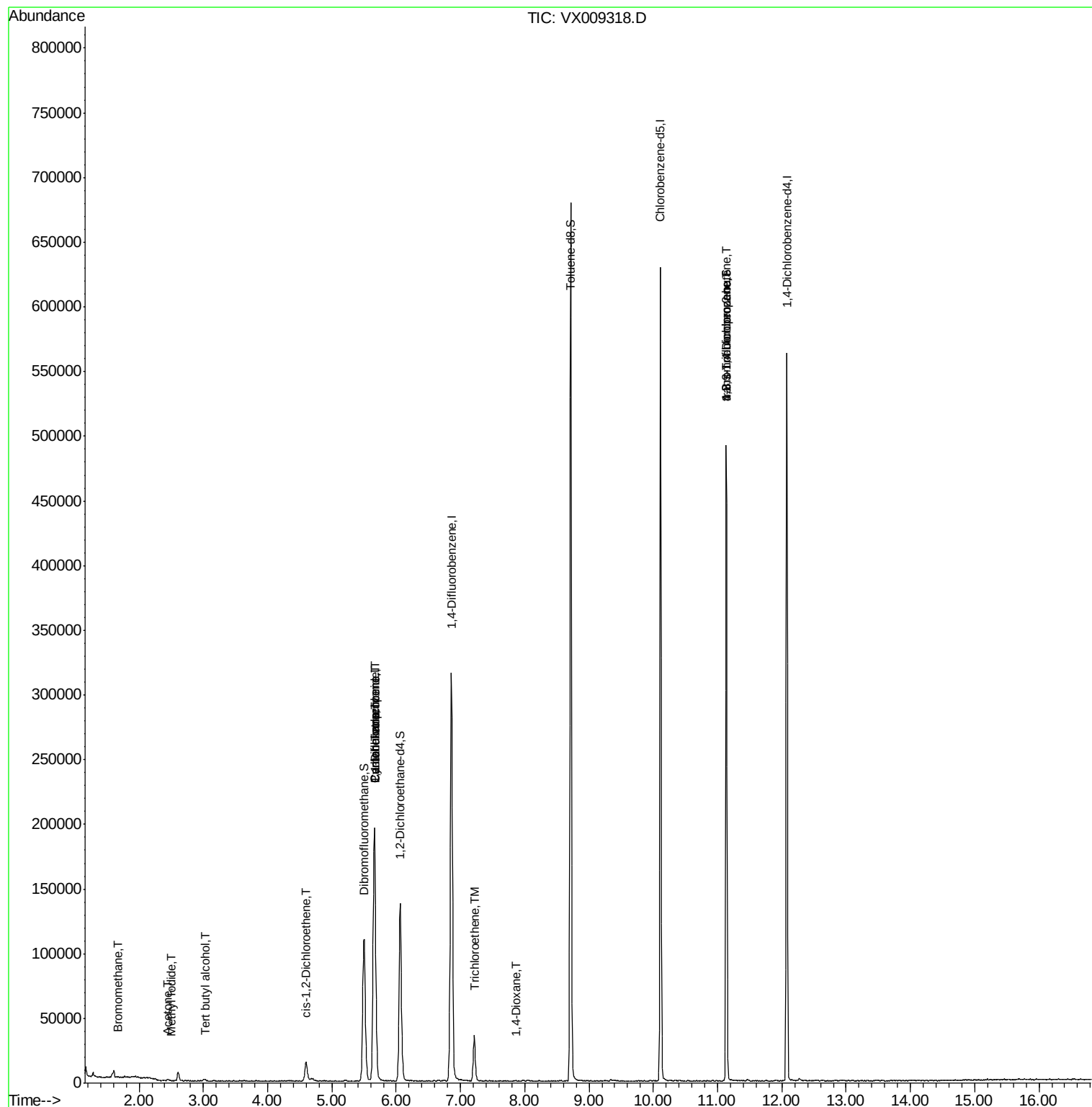
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	312	0.218	ug/l #	69
10) Methyl Iodide	2.51	142	119	4.645	ug/l #	62
11) Tert butyl alcohol	3.03	59	833	1.359	ug/l #	73
16) Acetone	2.44	43	1228	0.864	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	8861	3.760	ug/l	88
28) Bromochloromethane	5.04	49	67	Below Cal	#	20
31) Cyclohexane	5.66	56	4193	1.071	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15318	5.289	ug/l #	51
38) Carbon Tetrachloride	5.67	117	18286	6.949	ug/l #	15
44) Trichloroethene	7.21	130	13620	6.286	ug/l	98
49) 1,4-Dioxane	7.86	88	19	0.293	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65996	24.379	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65996	62.376	ug/l #	10

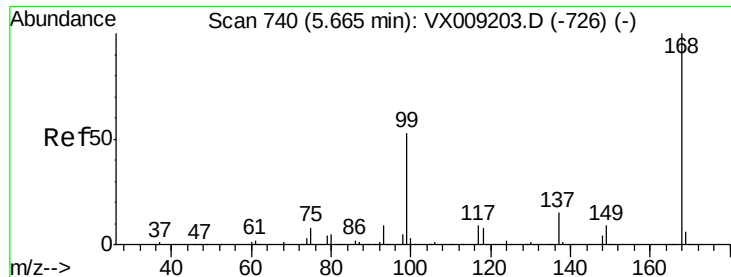
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 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: VX009318.D

Acq: 03 May 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

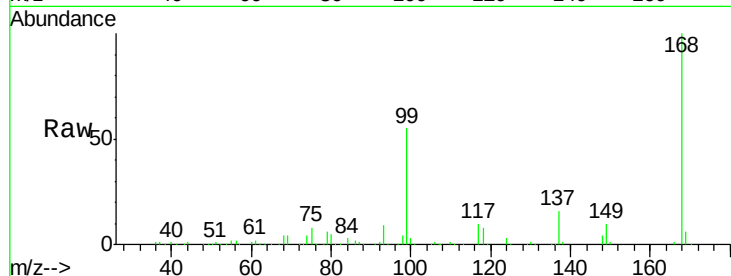
DUP-0518-190430

Tot Ion:168 Resp: 194005

Ion Ratio Lower Upper

168 100

99 55.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

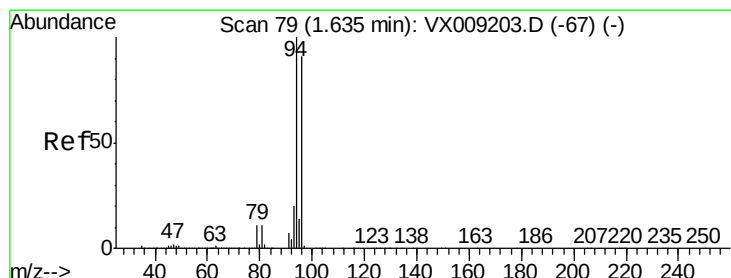
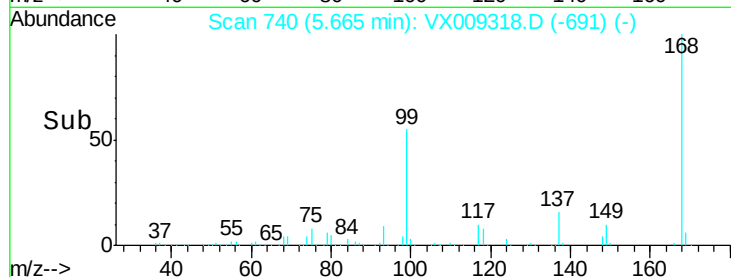
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.218 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX009318.D

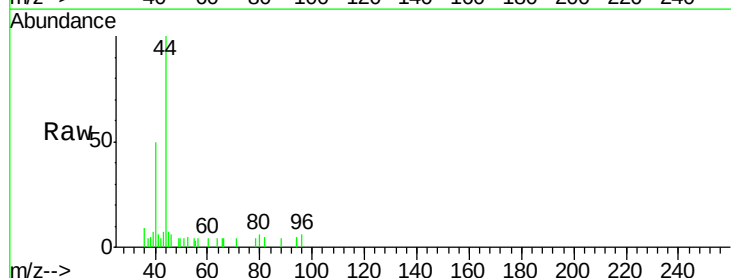
Acq: 03 May 2019 18:37

Tgt Ion: 94 Resp: 312

Ion Ratio Lower Upper

94 100

96 62.0 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

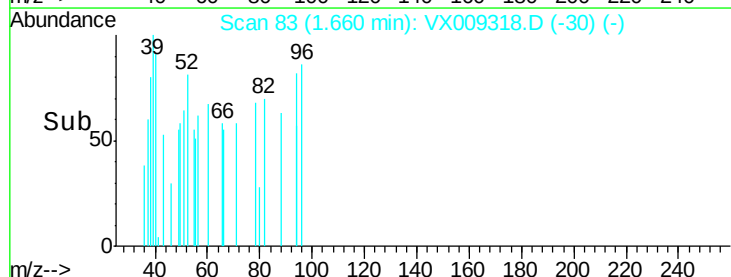
150

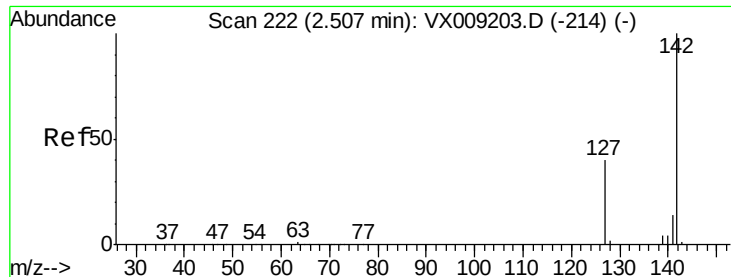
100

50

0

Time--> 1.60 1.65

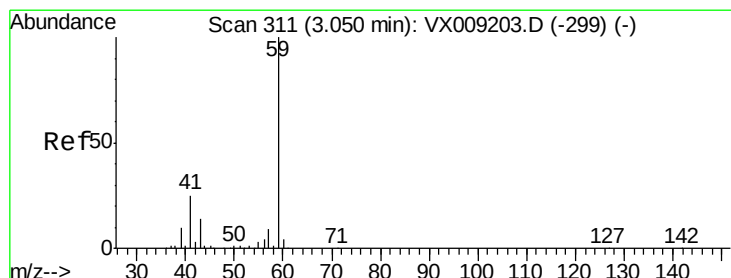
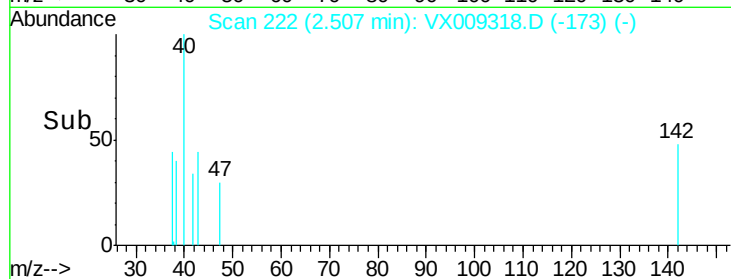
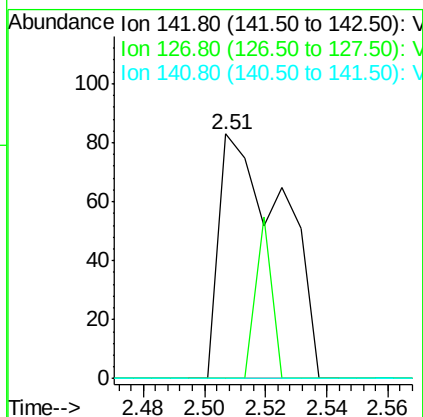
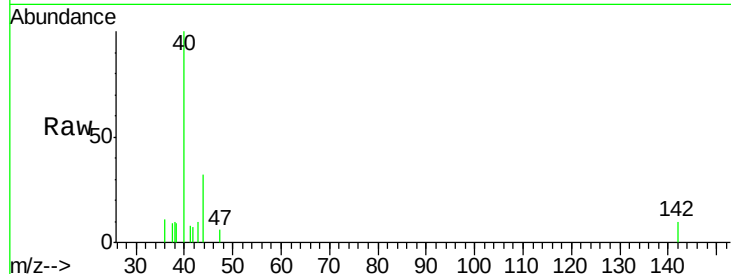




#10
Methvl Iodide
Concen: 4.645 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009318.D
Acq: 03 May 2019 18:37

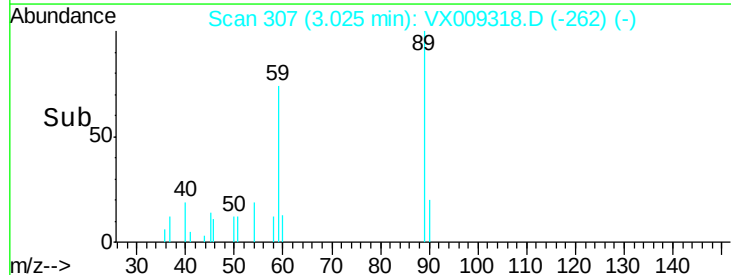
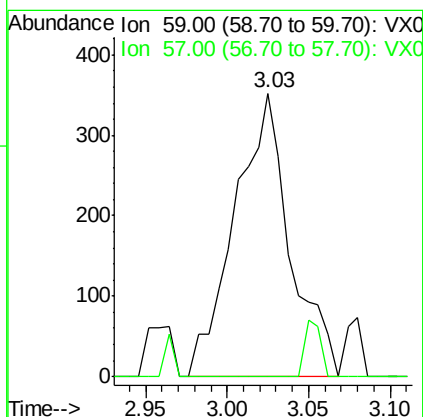
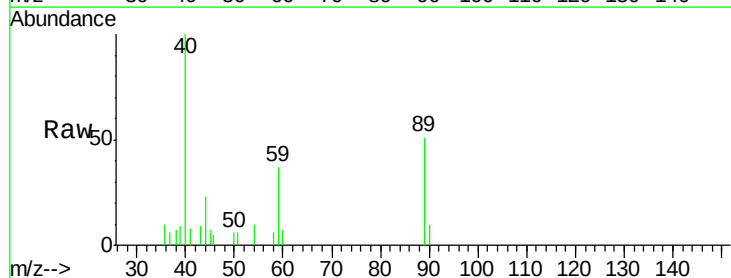
Instrument :
MSVOA_X
ClientSampleId :
DUP-0518-190430

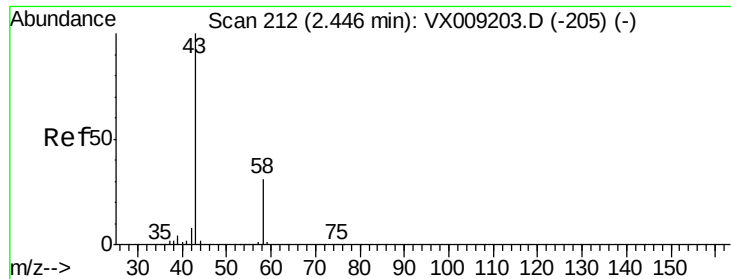
Tot Ion:142 Resp: 119
Ion Ratio Lower Upper
142 100
127 16.8 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.359 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009318.D
Acq: 03 May 2019 18:37

Tgt Ion: 59 Resp: 833
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 0.864 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009318.D

Acq: 03 May 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

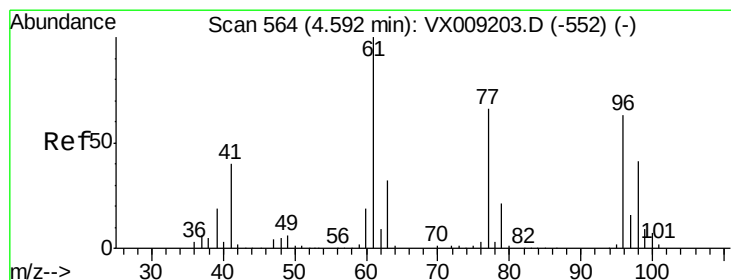
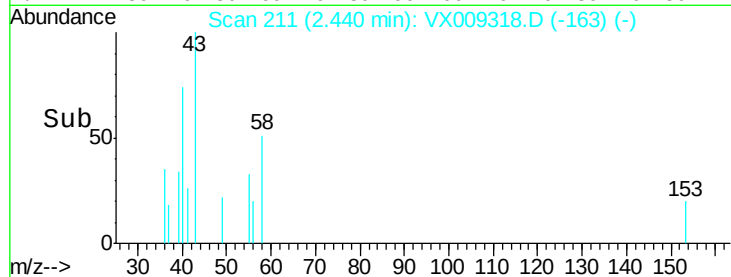
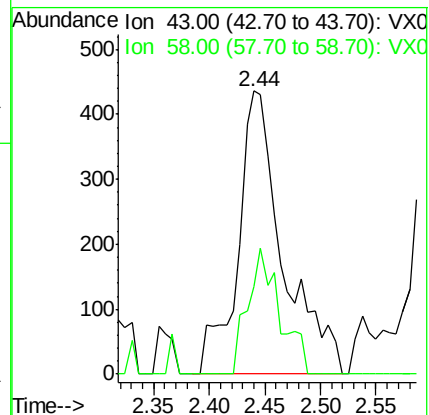
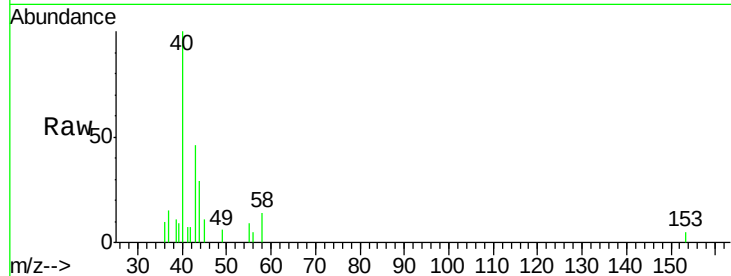
DUP-0518-190430

Tot Ion: 43 Resp: 1228

Ion Ratio Lower Upper

43 100

58 30.7 24.9 37.3



#27

cis-1,2-Dichloroethene

Concen: 3.760 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009318.D

Acq: 03 May 2019 18:37

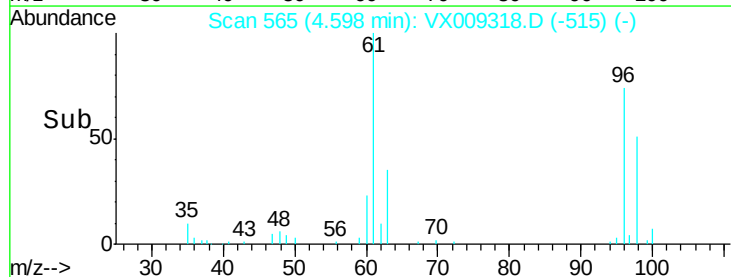
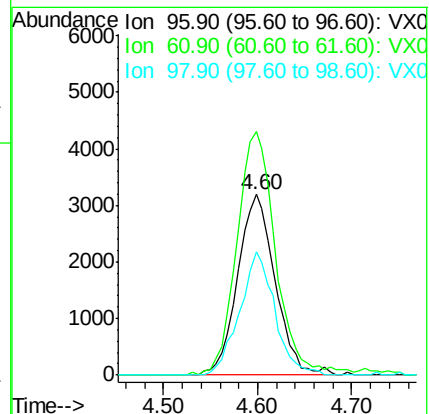
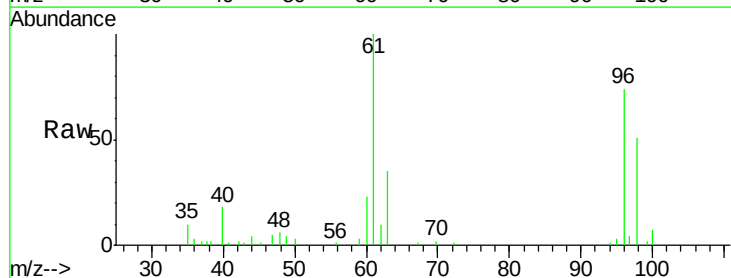
Tgt Ion: 96 Resp: 8861

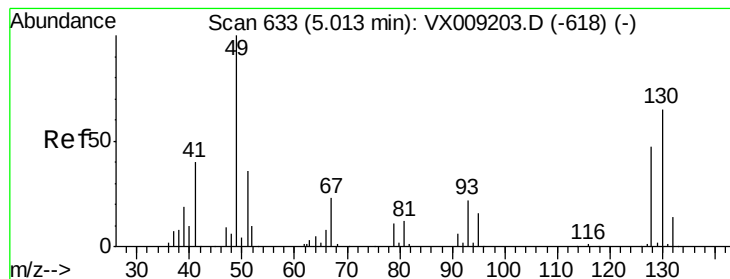
Ion Ratio Lower Upper

96 100

61 140.1 0.0 324.0

98 64.6 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 638

Delta R.T. 0.03 min

Lab File: VX009318.D

Acq: 03 May 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

DUP-0518-190430

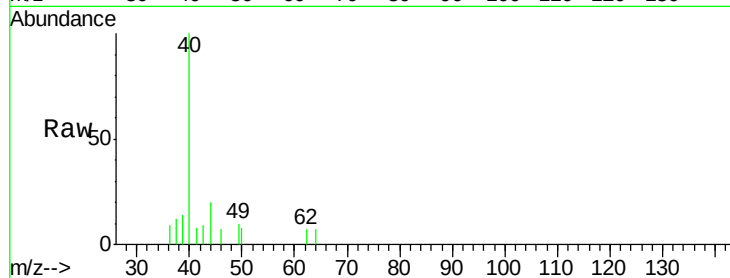
Tot Ion: 49 Resp: 67

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

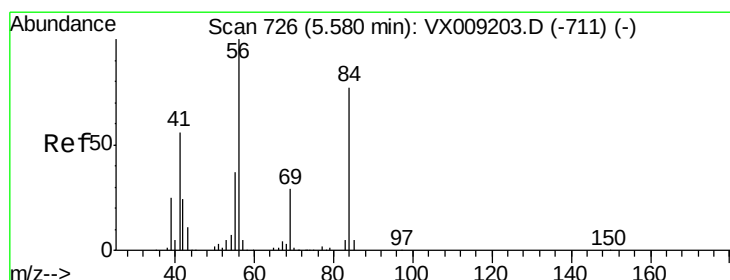
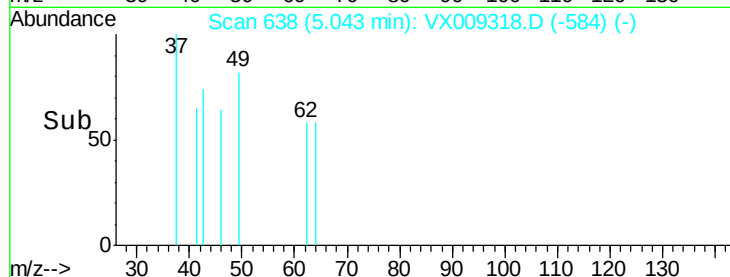
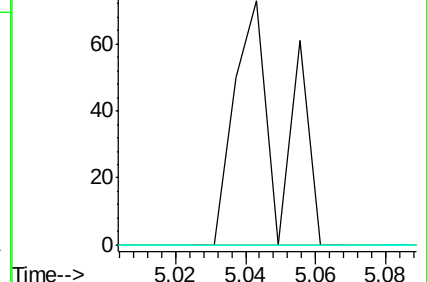
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.071 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009318.D

Acq: 03 May 2019 18:37

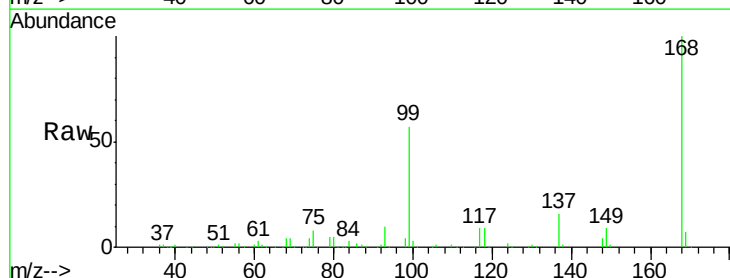
Tgt Ion: 56 Resp: 4193

Ion Ratio Lower Upper

56 100

69 183.5 23.4 35.0#

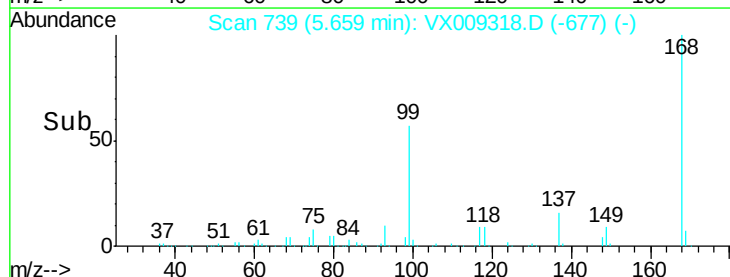
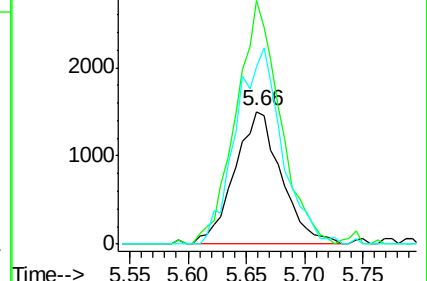
84 133.8 61.9 92.9#

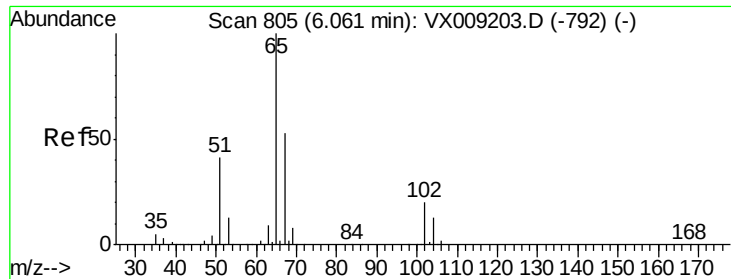


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

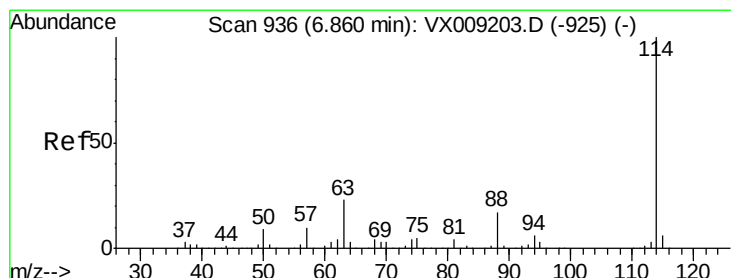
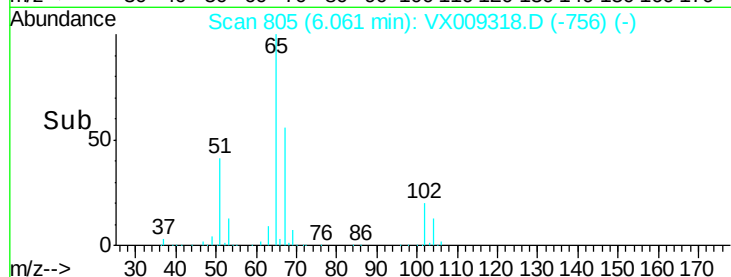
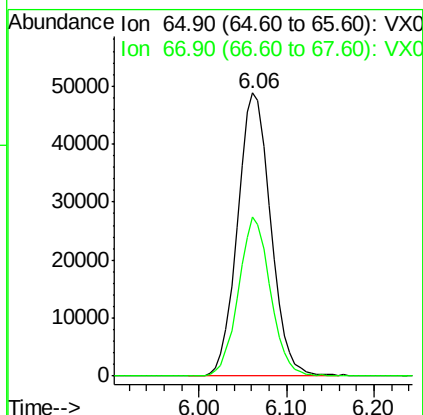
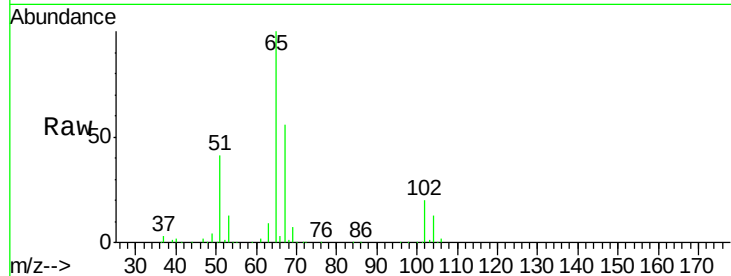




#33
 1,2-Dichloroethane-d4
 Concen: 48.600 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009318.D
 Acq: 03 May 2019 18:37

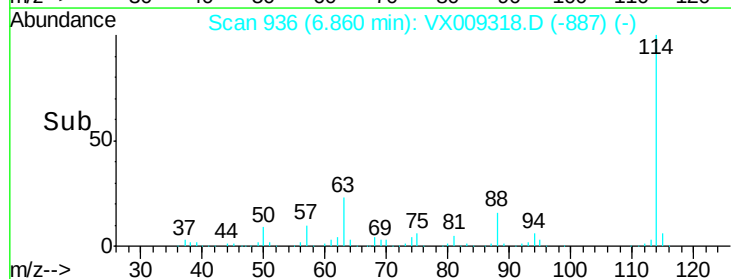
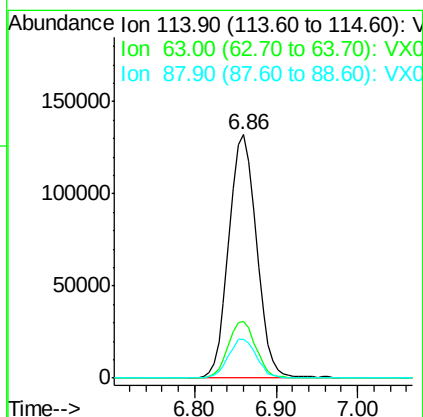
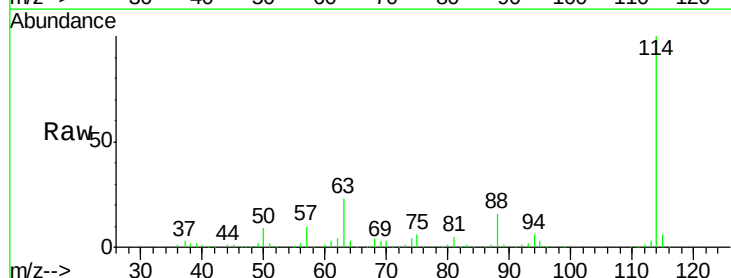
Instrument :
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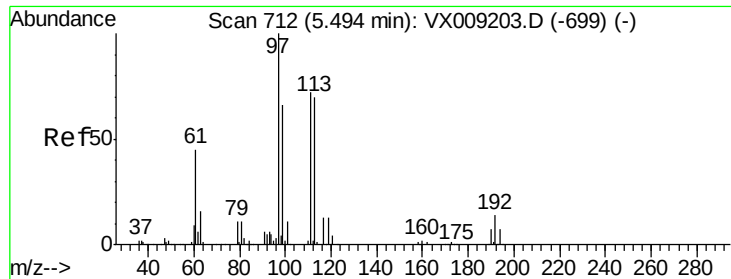
Tot Ion: 65 Resp: 128713
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009318.D
 Acq: 03 May 2019 18:37

Tgt Ion: 114 Resp: 311636
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.6
 88 16.1 0.0 33.2

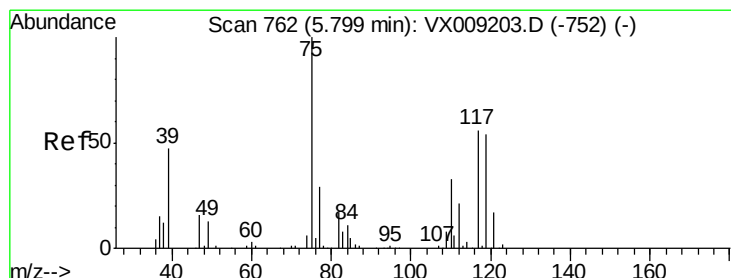
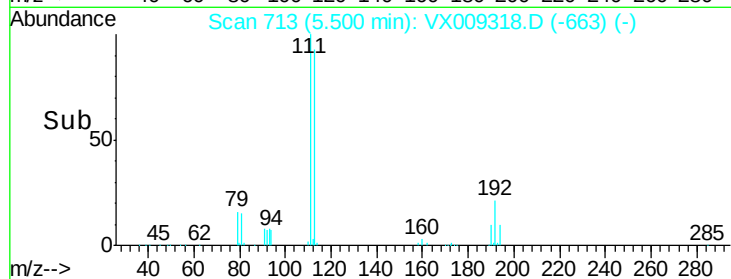
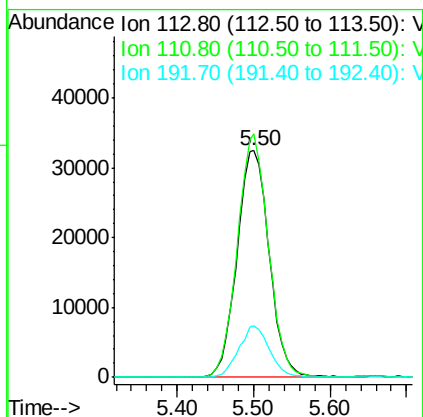
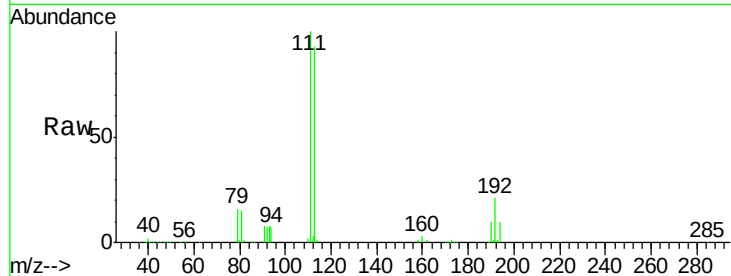




#35
 Dibromofluoromethane
 Concen: 48.449 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009318.D
 Acq: 03 May 2019 18:37

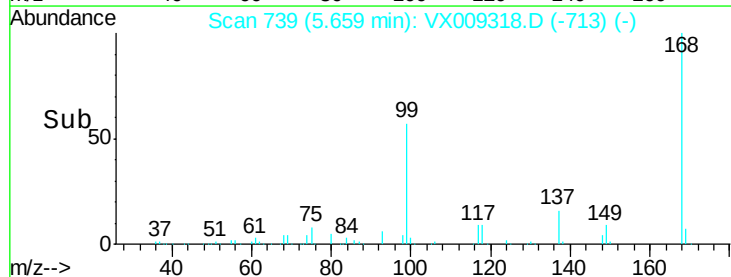
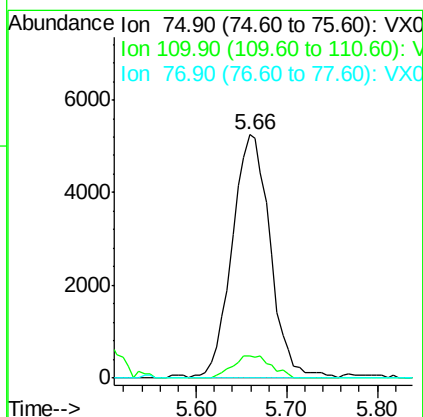
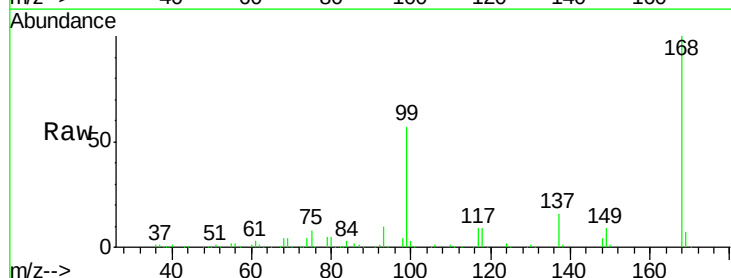
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 DUP-0518-190430

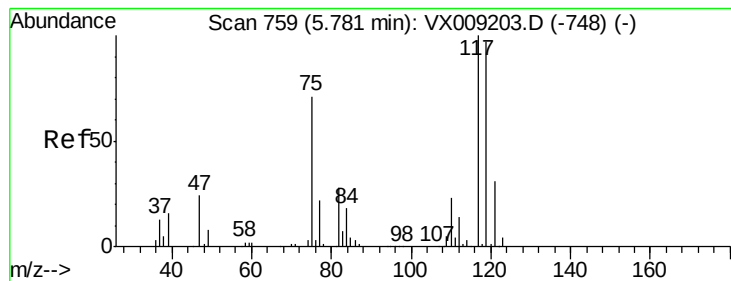
Tot Ion:113 Resp: 94915
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.8 124.2
 192 21.8 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.289 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009318.D
 Acq: 03 May 2019 18:37

Tgt Ion: 75 Resp: 15318
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.949 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009318.D

Acq: 03 May 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

DUP-0518-190430

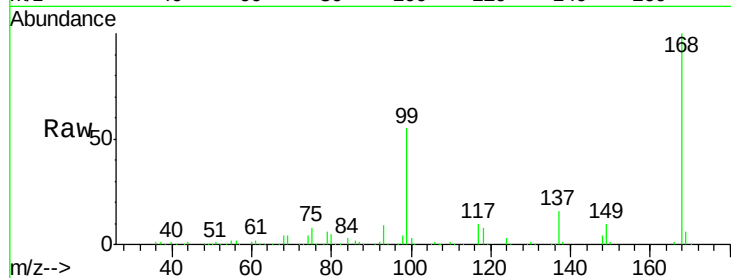
Tot Ion:117 Resp: 18286

Ion Ratio Lower Upper

117 100

119 4.7 77.5 116.3#

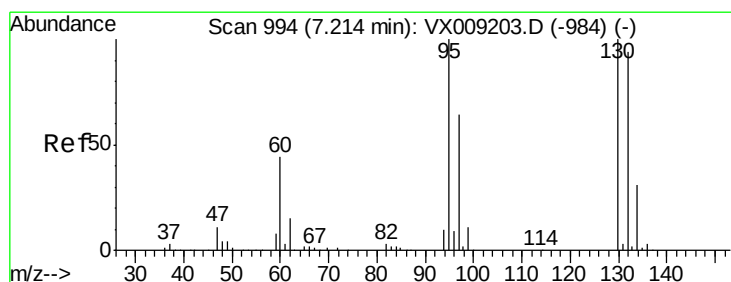
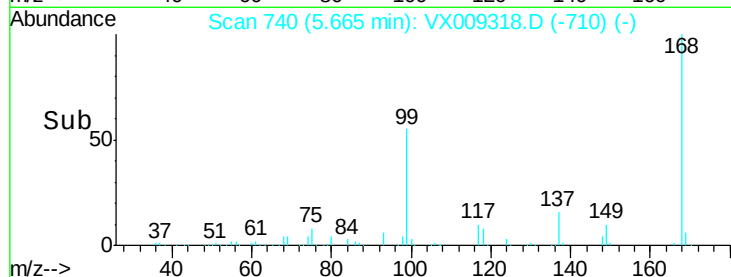
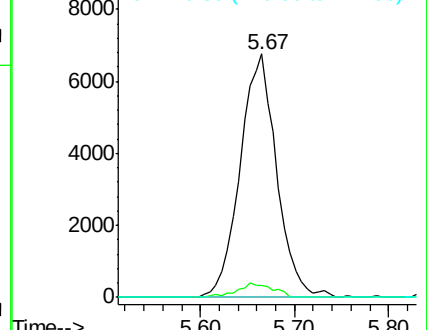
121 0.0 24.7 37.1#



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: 6.286 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009318.D

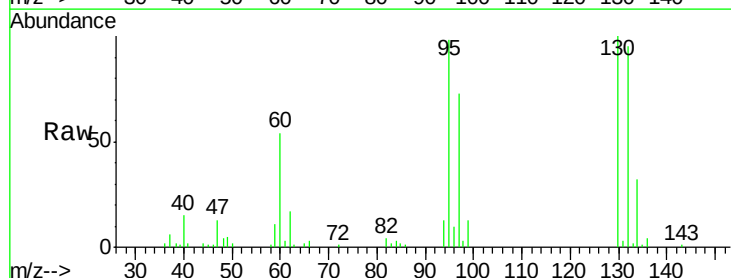
Acq: 03 May 2019 18:37

Tgt Ion:130 Resp: 13620

Ion Ratio Lower Upper

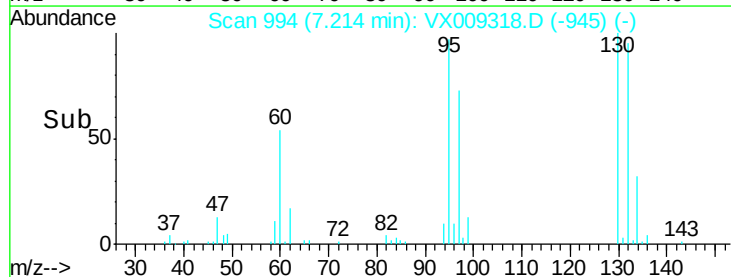
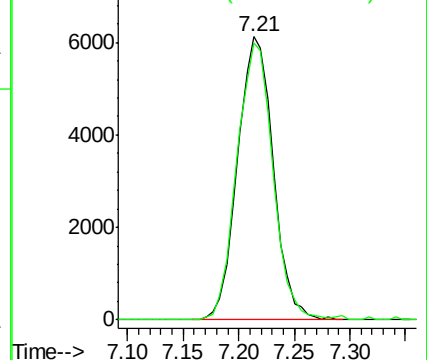
130 100

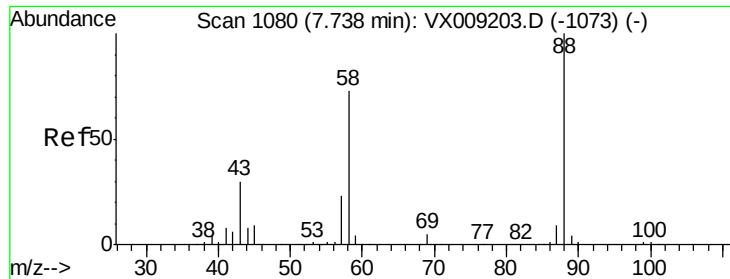
95 98.0 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

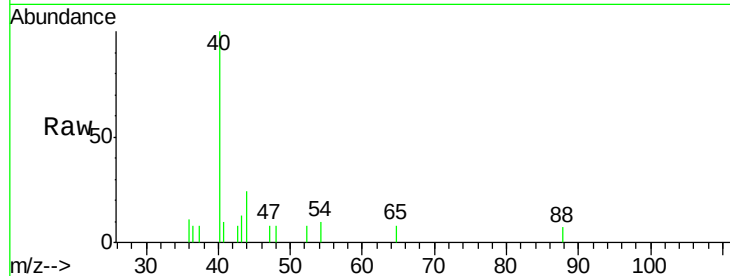




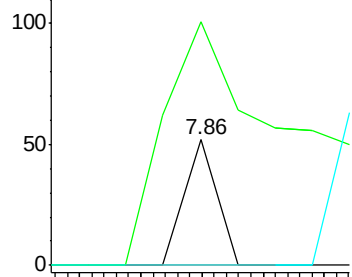
#49
1,4-Dioxane
Concen: 0.293 ug/l
RT: 7.86 min Scan# 1100
Delta R.T. 0.12 min
Lab File: VX009318.D
Acq: 03 May 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
DUP-0518-190430

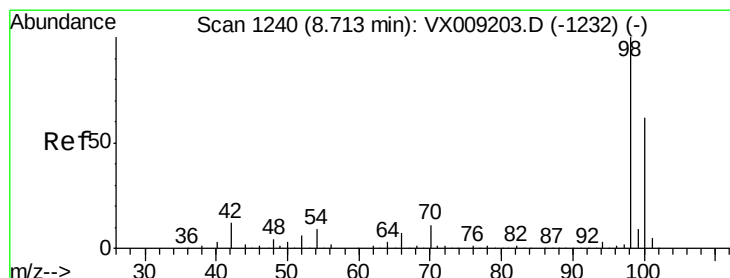
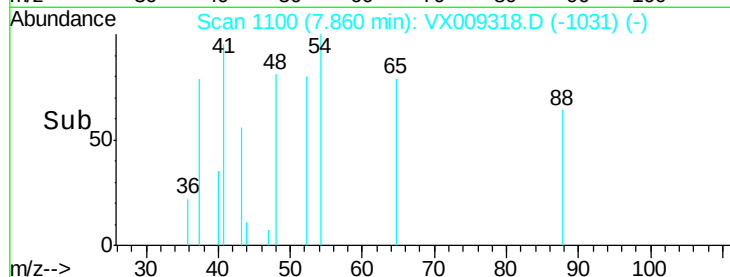
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 752.6 28.6 42.8#
58 0.0 61.7 92.5#



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

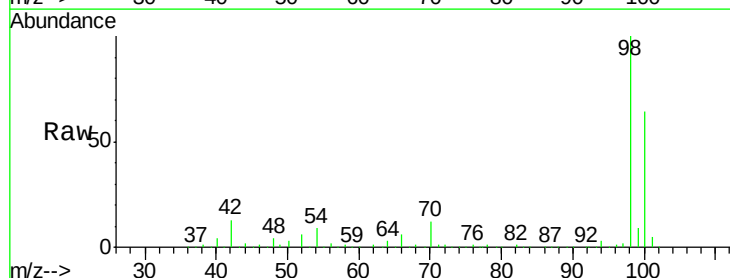


Time--> 7.84 7.85 7.86 7.87 7.88

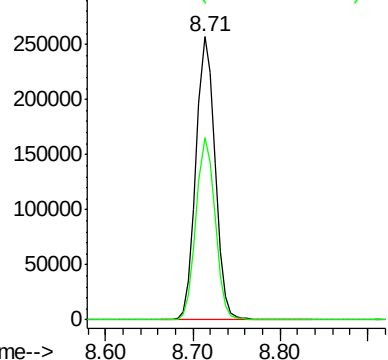


#50
Toluene-d8
Concen: 49.361 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009318.D
Acq: 03 May 2019 18:37

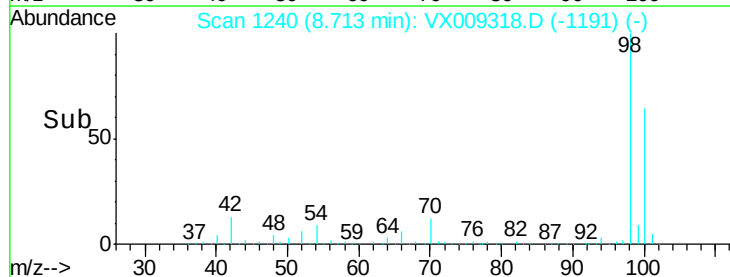
Tgt Ion: 98 Resp: 390407
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8

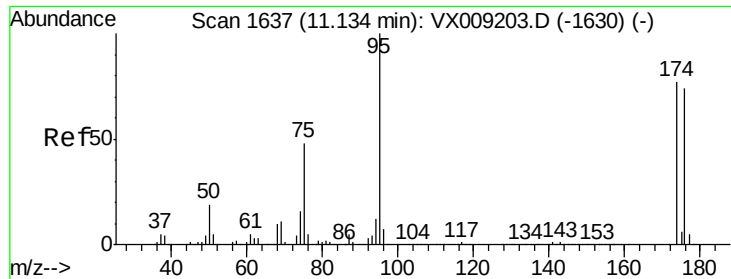


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



Time--> 8.60 8.70 8.80





#62

4-Bromofluorobenzene

Concen: 44.563 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009318.D

Acq: 03 May 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

DUP-0518-190430

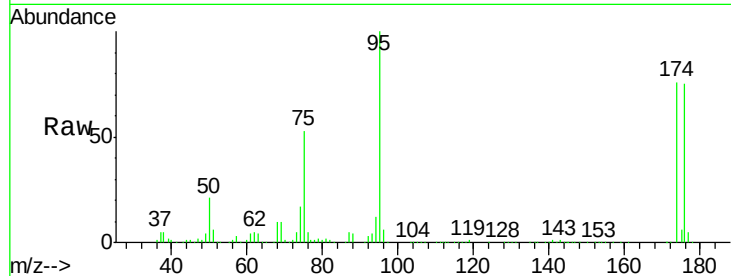
Tot Ion: 95 Resp: 128070

Ion Ratio Lower Upper

95 100

174 81.7 0.0 161.6

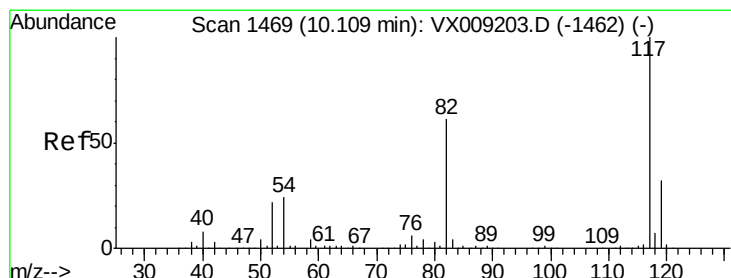
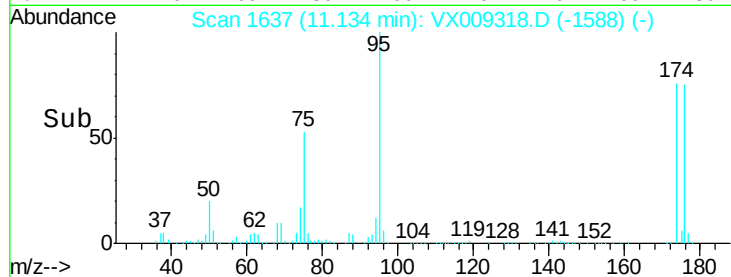
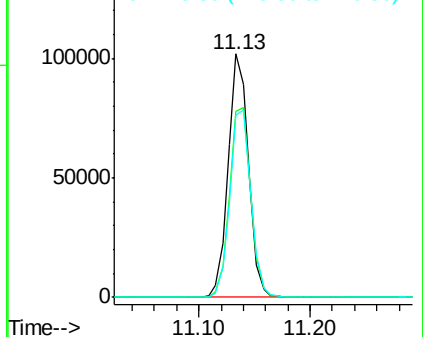
176 80.3 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009318.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009318.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009318.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009318.D

Acq: 03 May 2019 18:37

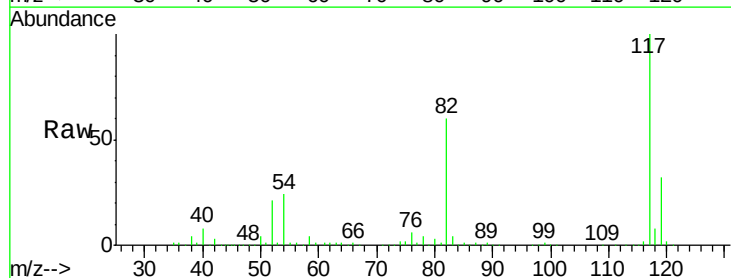
Tgt Ion: 117 Resp: 273932

Ion Ratio Lower Upper

117 100

82 59.6 48.8 73.2

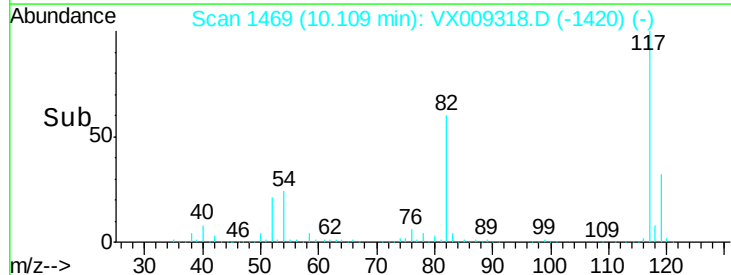
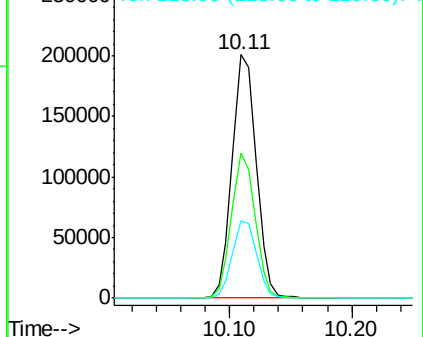
119 31.8 25.8 38.6

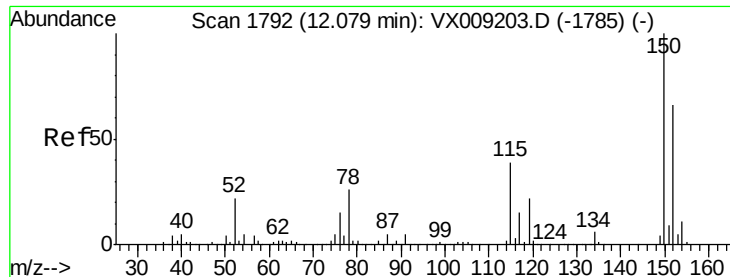


Abundance Ion 116.90 (116.60 to 117.60): VX009318.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009318.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009318.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009318.D

Acq: 03 May 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

DUP-0518-190430

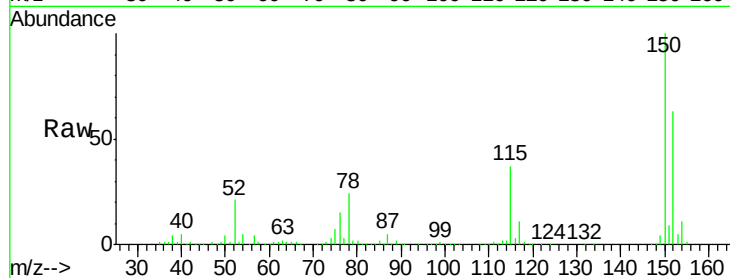
Tot Ion:152 Resp: 116704

Ion Ratio Lower Upper

152 100

115 58.1 41.2 123.6

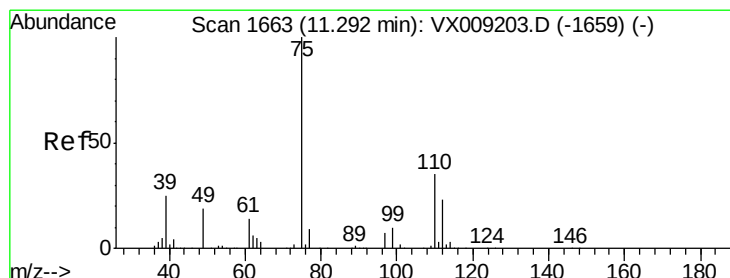
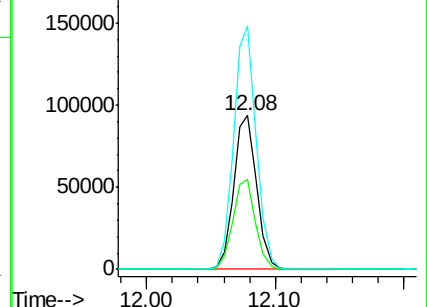
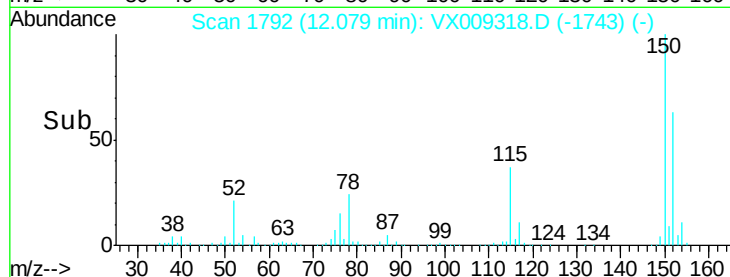
150 156.4 0.0 346.4



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: 24.379 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009318.D

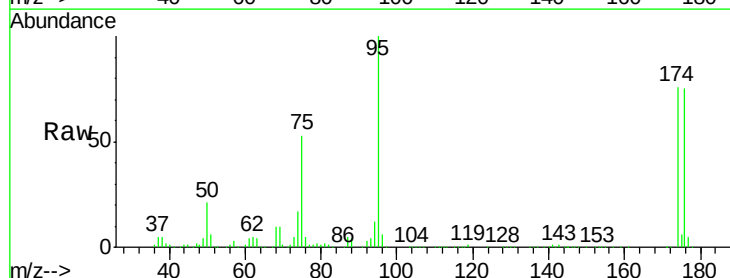
Acq: 03 May 2019 18:37

Tgt Ion: 75 Resp: 65996

Ion Ratio Lower Upper

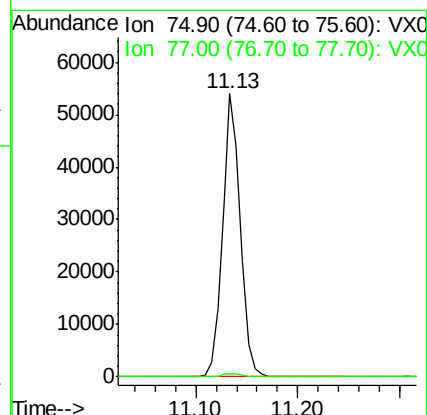
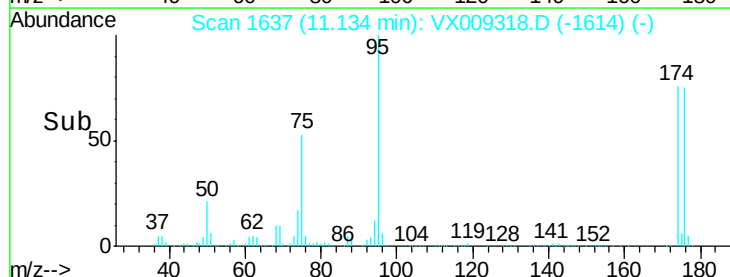
75 100

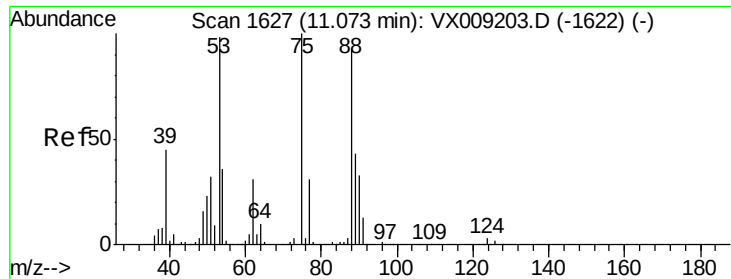
77 1.3 22.1 66.1#



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: 62.376 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009318.D

Acq: 03 May 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

DUP-0518-190430

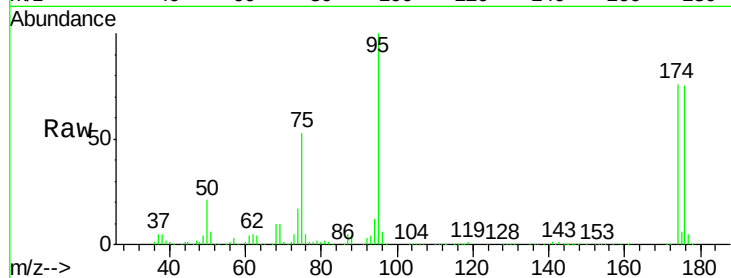
Tot Ion: 75 Resp: 65996

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



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

