

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052918\
 Data File : VX002094.D
 Acq On : 29 May 2018 15:46
 Operator : JC/MD
 Sample : J3118-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0460-180521

Quant Time: May 30 13:07:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	302448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	426723	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	380640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208133	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	268561	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
35) Dibromofluoromethane	5.51	113	205207	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
50) Toluene-d8	8.72	98	787296	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.14	95	279550	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	

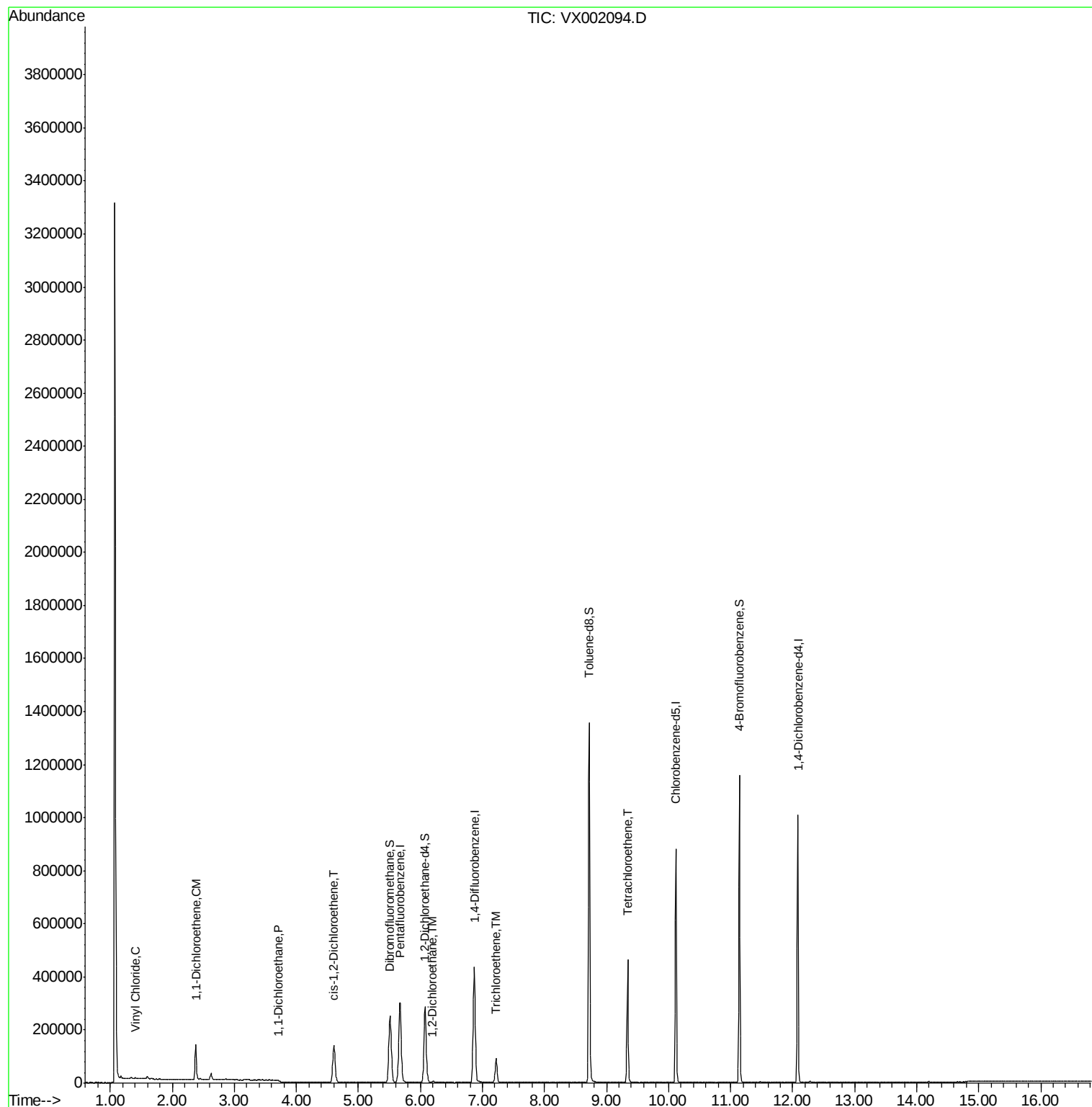
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2287	0.51	ug/l	98
12) 1,1-Dichloroethene	2.38	96	43197	12.25	ug/l	96
24) 1,1-Dichloroethane	3.70	63	5473	0.77	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	82459	17.94	ug/l	90
42) 1,2-Dichloroethane	6.20	62	3083	0.44	ug/l	100
44) Trichloroethene	7.22	130	34378	6.78	ug/l	99
64) Tetrachloroethene	9.34	164	93356	17.11	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002094.D

Acq: 29 May 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

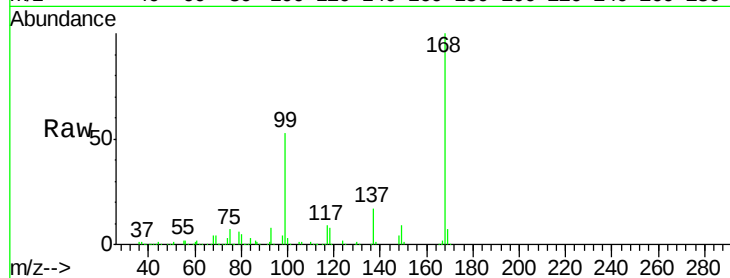
DUP-0460-180521

Tot Ion:168 Resp: 302448

Ion Ratio Lower Upper

168 100

99 52.5 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

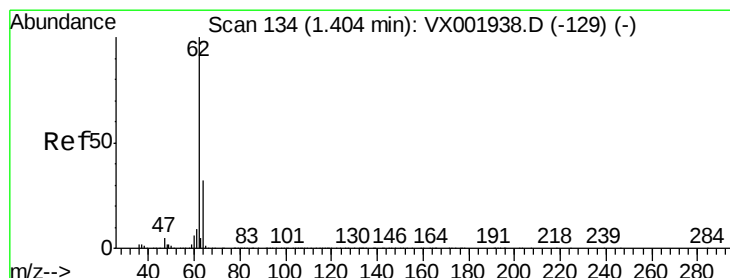
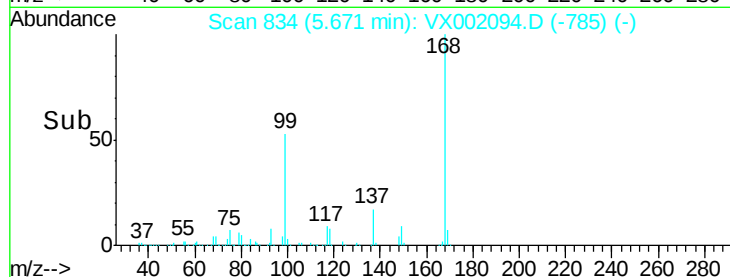
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.51 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002094.D

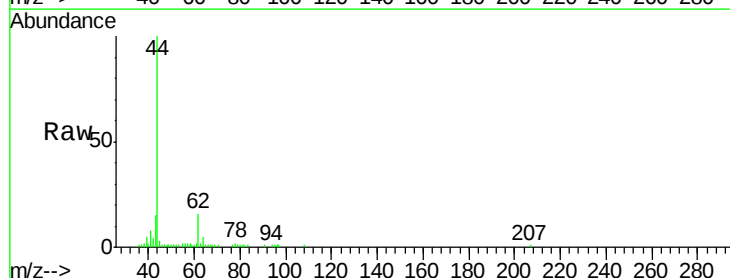
Acq: 29 May 2018 15:46

Tgt Ion: 62 Resp: 2287

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

2000

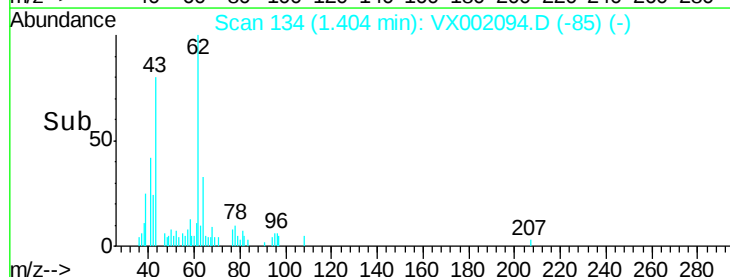
1500

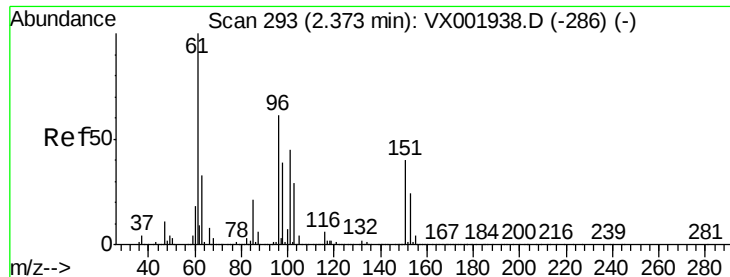
1000

500

0

Time--> 1.35 1.40 1.45





#12

1,1-Dichloroethene

Concen: 12.25 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX002094.D

Acq: 29 May 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

DUP-0460-180521

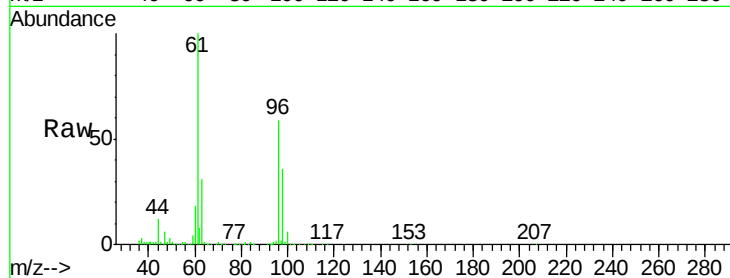
Tot Ion: 96 Resp: 43197

Ion Ratio Lower Upper

96 100

61 170.8 131.7 197.5

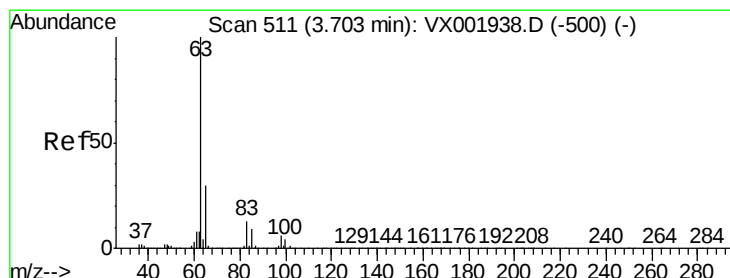
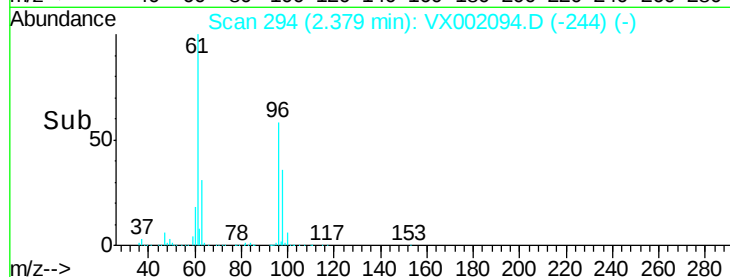
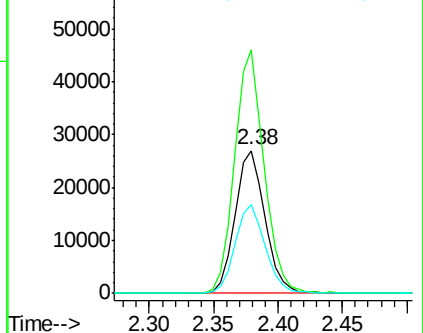
98 61.9 51.6 77.4



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



#24

1,1-Dichloroethane

Concen: 0.77 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX002094.D

Acq: 29 May 2018 15:46

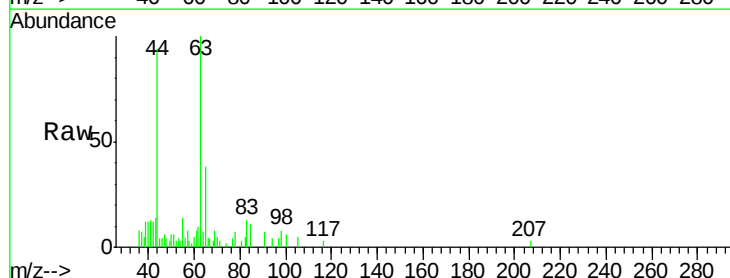
Tgt Ion: 63 Resp: 5473

Ion Ratio Lower Upper

63 100

98 8.5 3.3 9.8

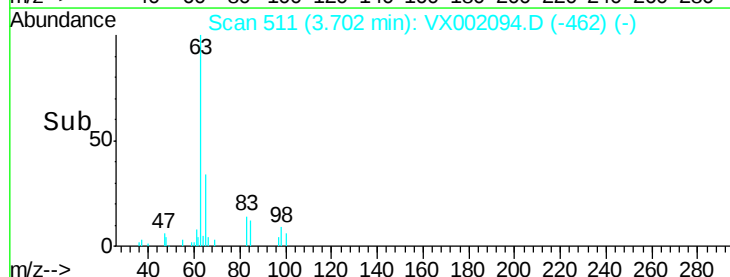
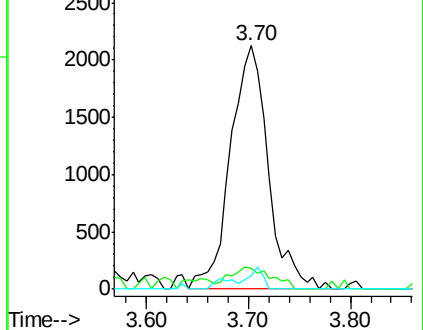
100 5.5 2.1 6.5

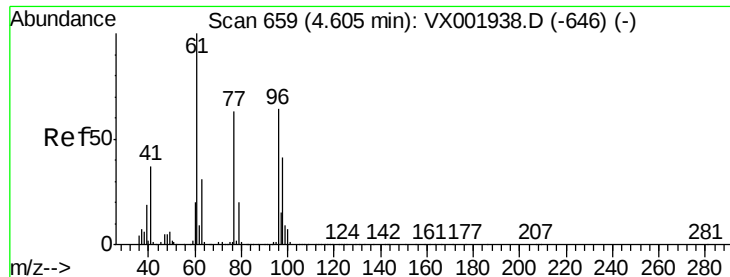


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 17.94 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX002094.D

Acq: 29 May 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

DUP-0460-180521

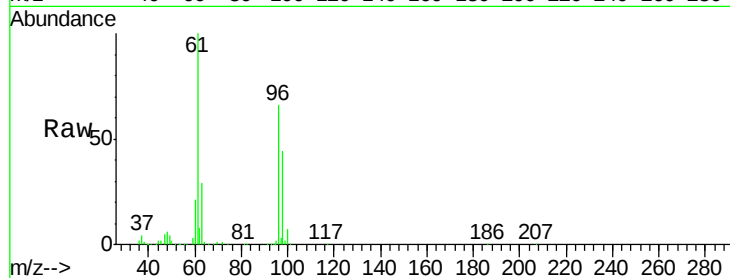
Tot Ion: 96 Resp: 82459

Ion Ratio Lower Upper

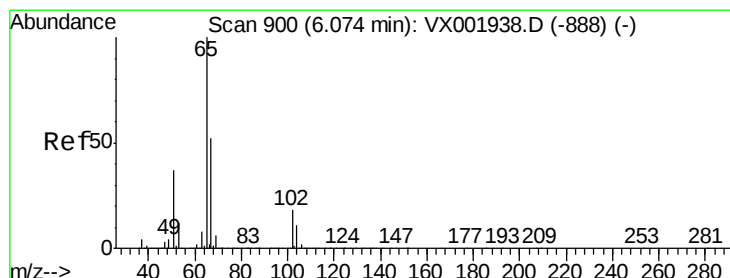
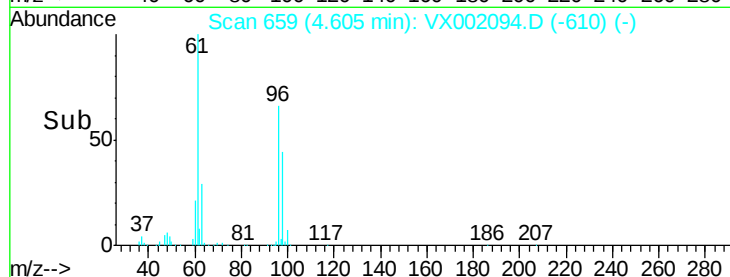
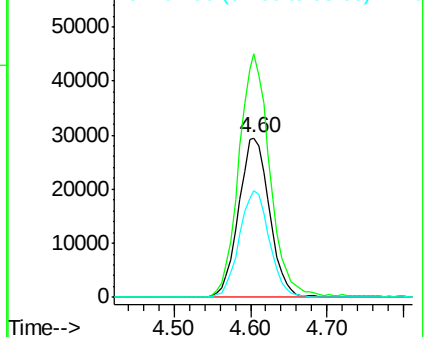
96 100

61 155.0 0.0 348.4

98 65.3 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.68 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002094.D

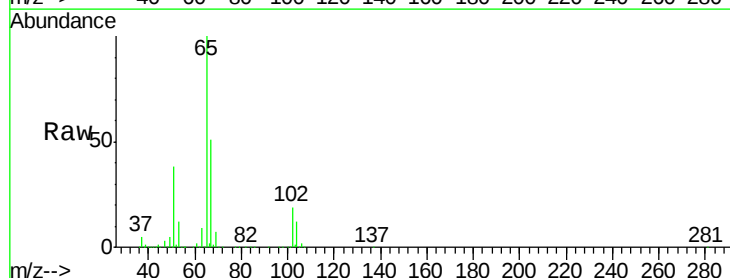
Acq: 29 May 2018 15:46

Tgt Ion: 65 Resp: 268561

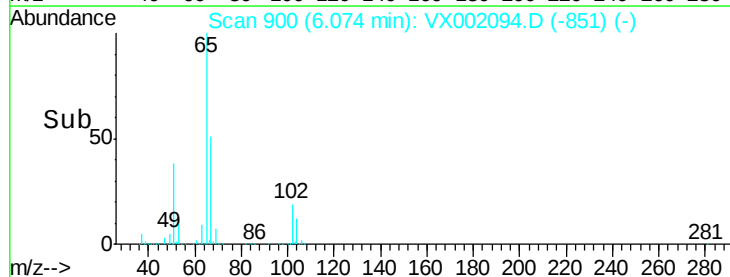
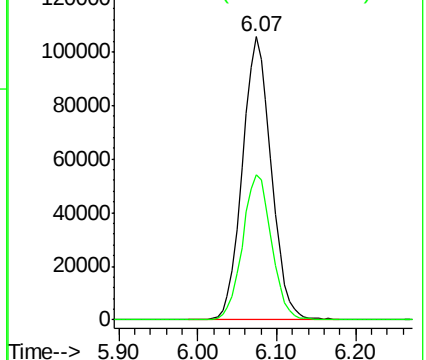
Ion Ratio Lower Upper

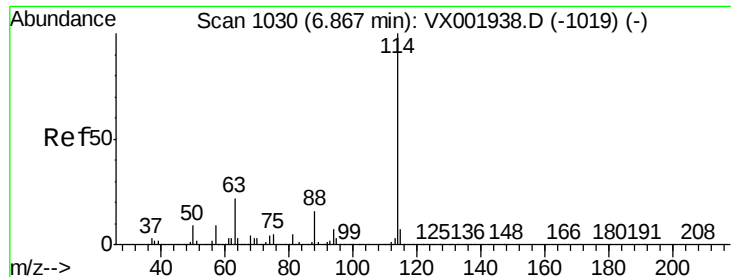
65 100

67 51.6 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002094.D

Acq: 29 May 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

DUP-0460-180521

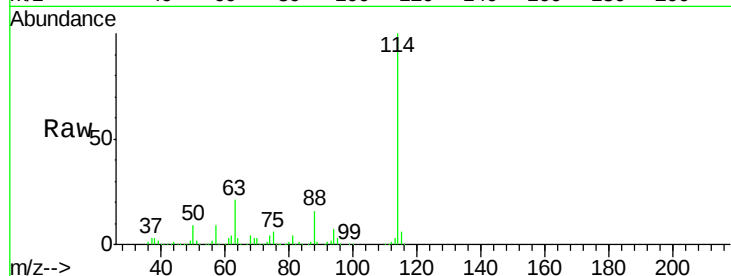
Tot Ion:114 Resp: 426723

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

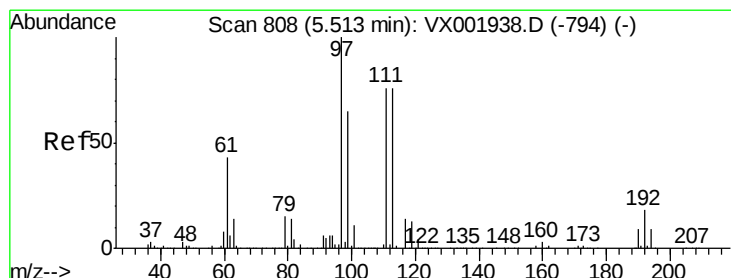
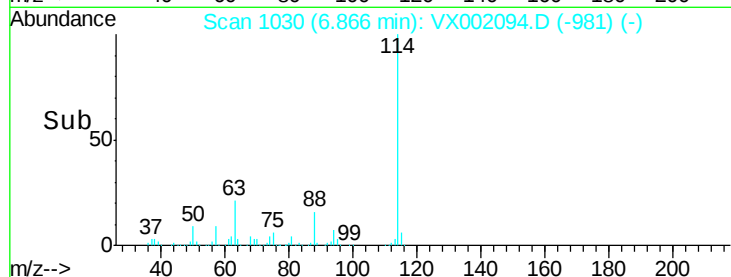
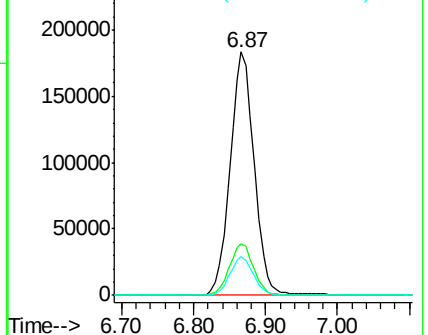
88 15.8 0.0 31.6



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: 48.09 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002094.D

Acq: 29 May 2018 15:46

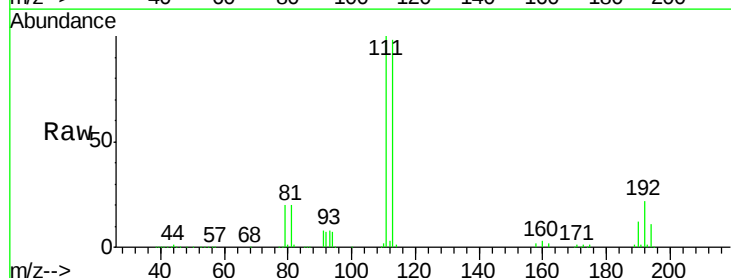
Tgt Ion:113 Resp: 205207

Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

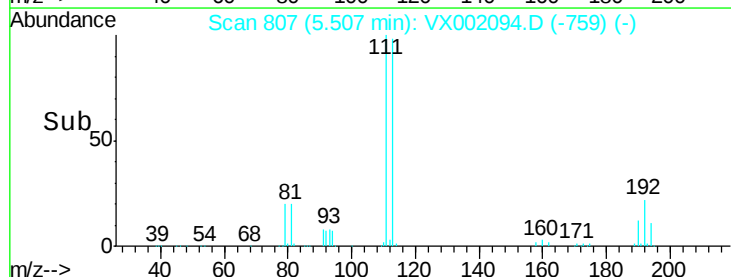
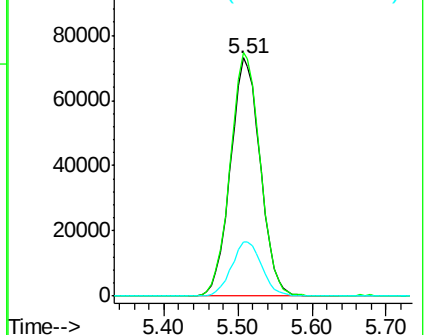
192 23.2 18.9 28.3

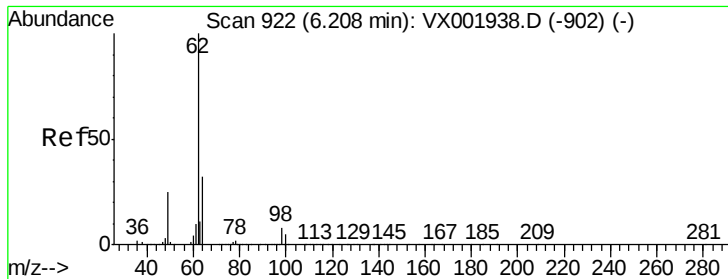


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#42

1,2-Dichloroethane

Concen: 0.44 ug/l

RT: 6.20 min Scan# 921

Delta R.T. -0.01 min

Lab File: VX002094.D

Acq: 29 May 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

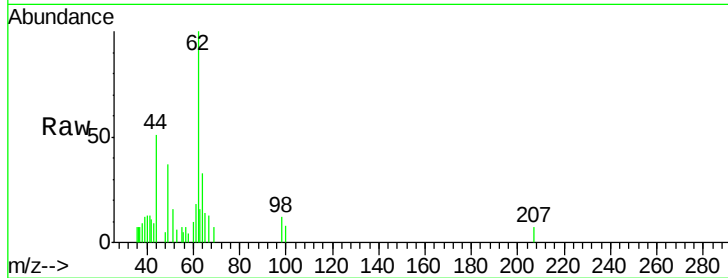
DUP-0460-180521

Tot Ion: 62 Resp: 3083

Ion Ratio Lower Upper

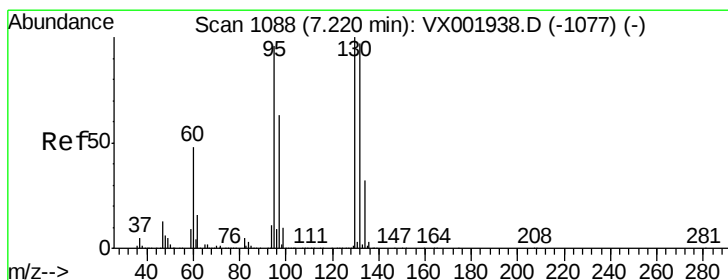
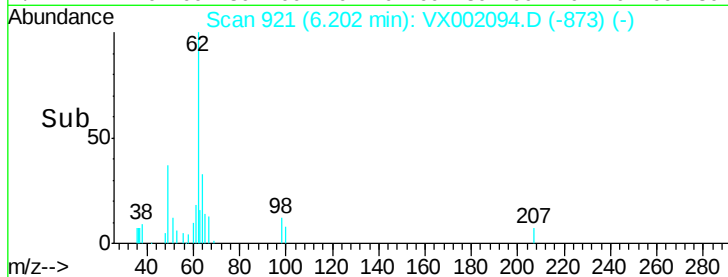
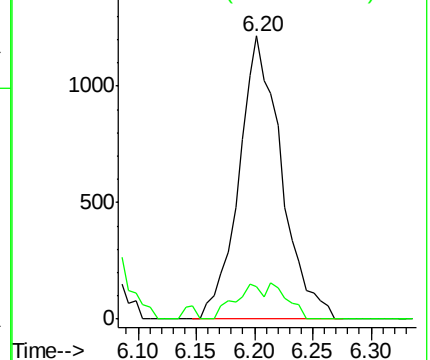
62 100

98 8.4 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#44

Trichloroethene

Concen: 6.78 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX002094.D

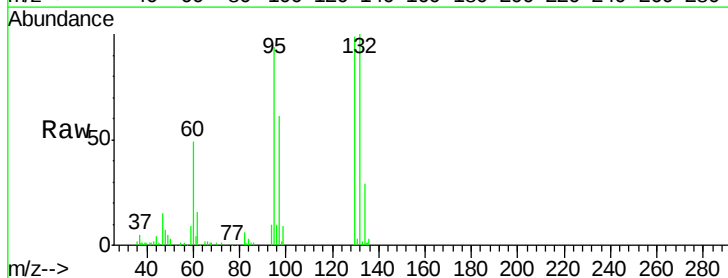
Acq: 29 May 2018 15:46

Tgt Ion: 130 Resp: 34378

Ion Ratio Lower Upper

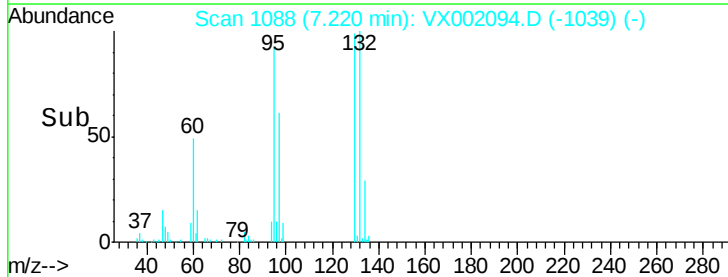
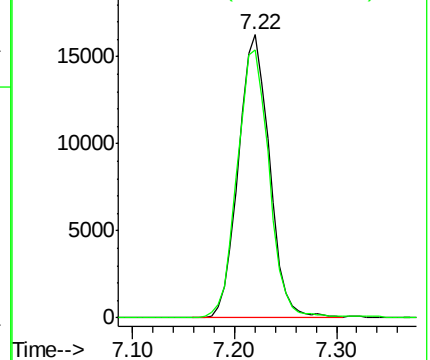
130 100

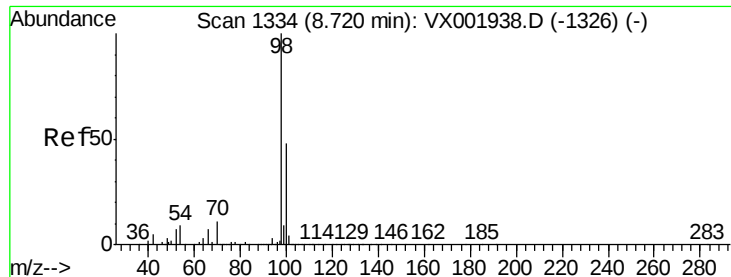
95 94.9 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

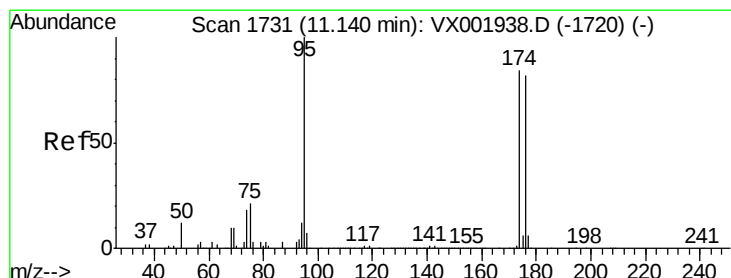
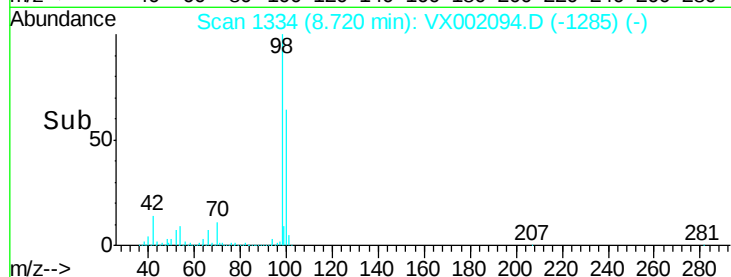
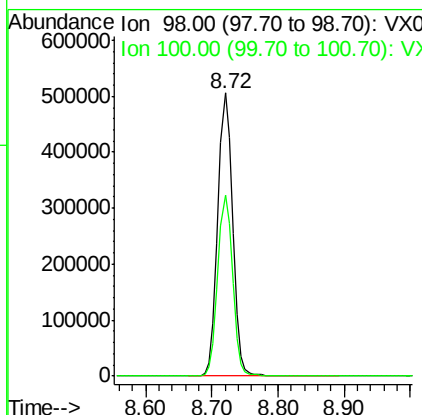
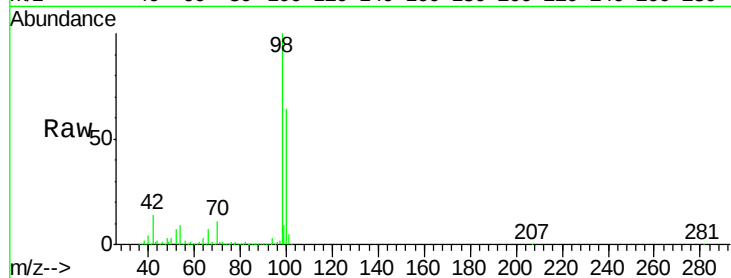




#50
Toluene-d8
Concen: 50.96 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002094.D
Acq: 29 May 2018 15:46

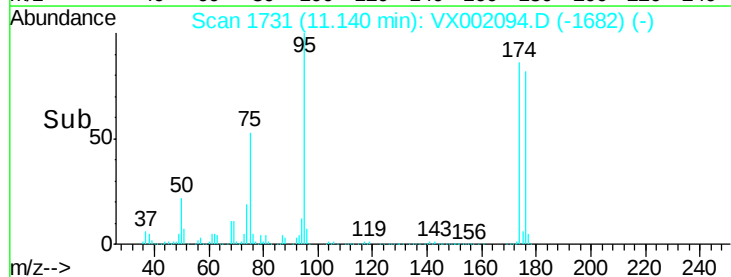
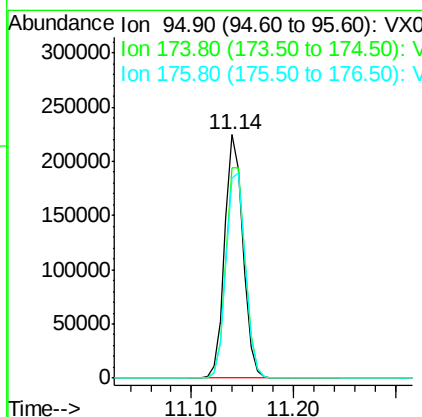
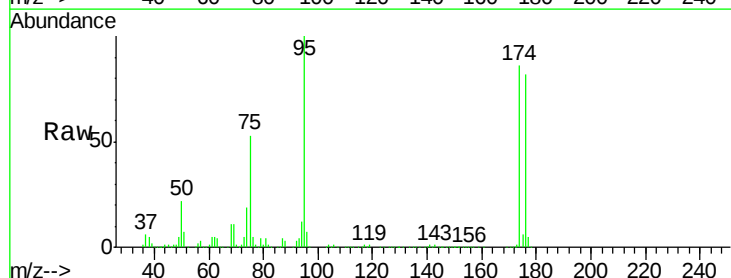
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DUP-0460-180521

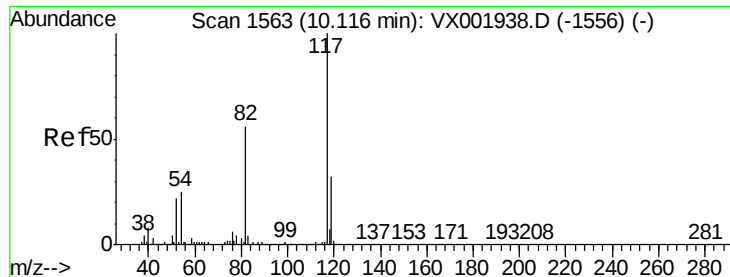
Tot Ion: 98 Resp: 787296
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 46.25 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002094.D
Acq: 29 May 2018 15:46

Tgt Ion: 95 Resp: 279550
Ion Ratio Lower Upper
95 100
174 91.5 0.0 178.8
176 88.7 0.0 175.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002094.D

Acq: 29 May 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

DUP-0460-180521

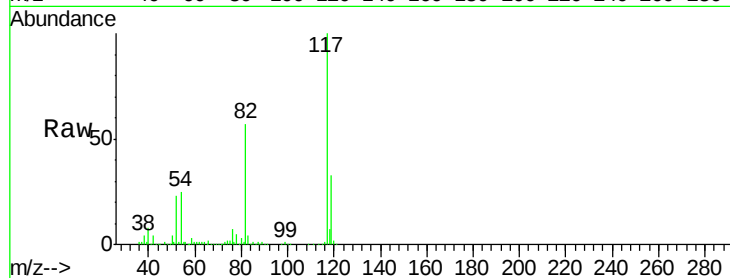
Tot Ion:117 Resp: 380640

Ion Ratio Lower Upper

117 100

82 57.5 44.8 67.2

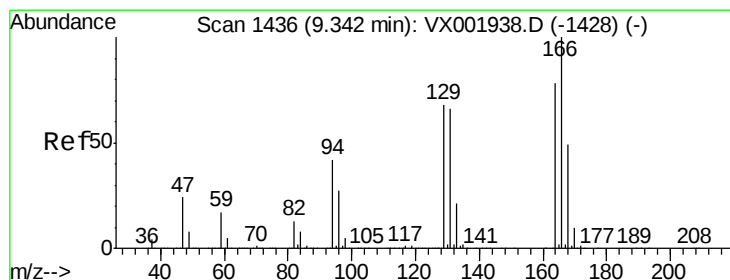
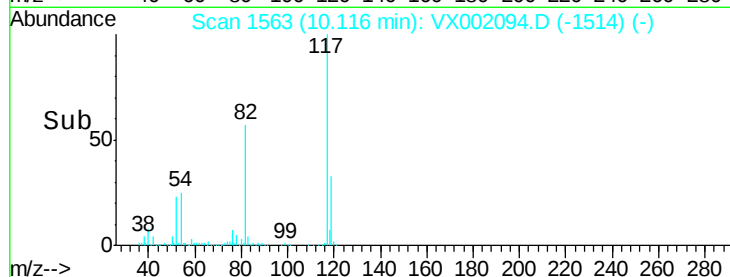
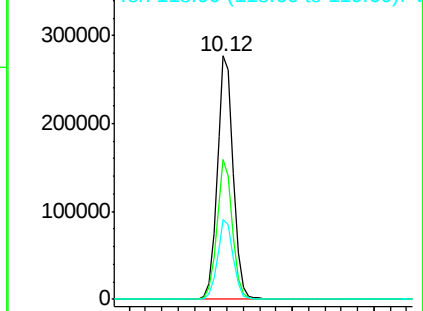
119 32.5 25.5 38.3



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: 17.11 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX002094.D

Acq: 29 May 2018 15:46

Tgt Ion:164 Resp: 93356

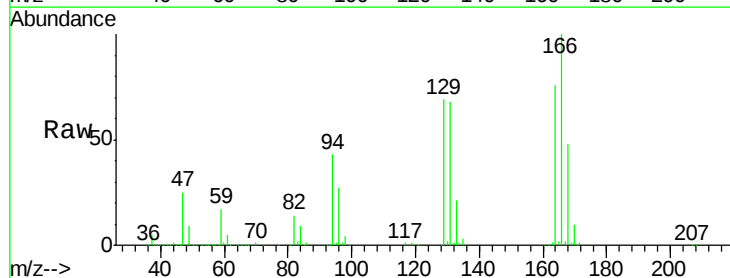
Ion Ratio Lower Upper

164 100

166 131.0 102.7 154.1

129 89.8 70.3 105.5

131 88.7 68.2 102.4

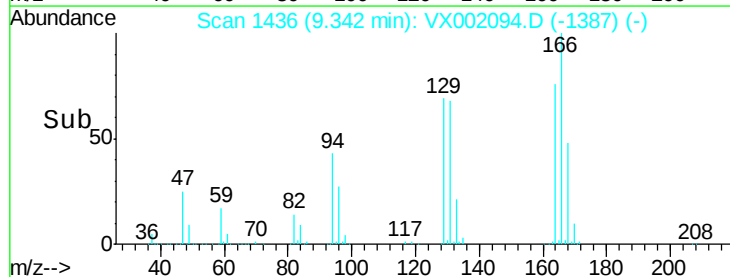
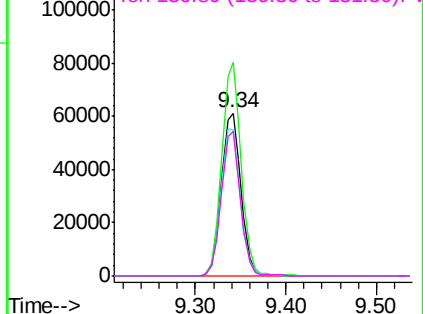


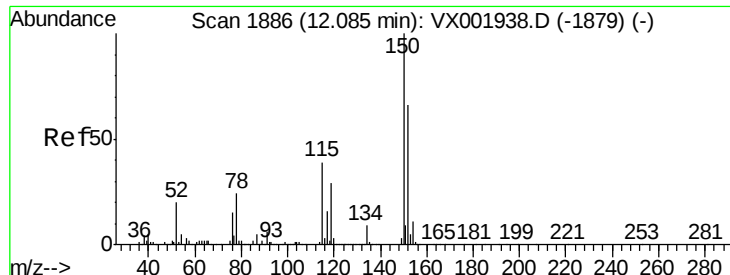
Abundance Ion 163.80 (163.50 to 164.50): V

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: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002094.D

Acq: 29 May 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

DUP-0460-180521

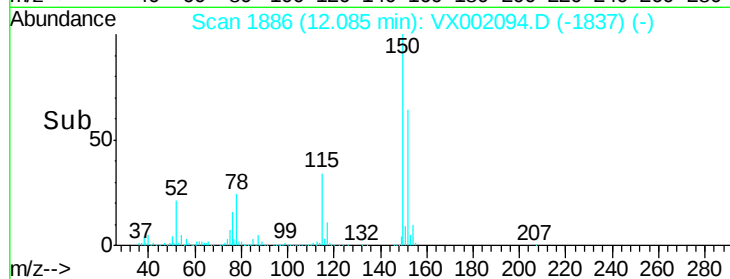
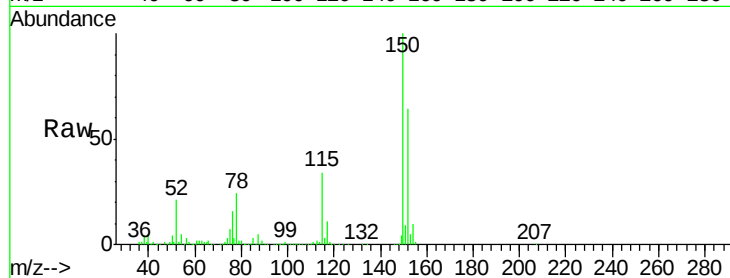
Tot Ion:152 Resp: 208133

Ion Ratio Lower Upper

152 100

115 55.9 42.3 126.8

150 157.0 0.0 351.0



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

