

Data File : VX001880.D
Acq On : 21 May 2018 16:25
Operator : JC/MD
Sample : J2986-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-0458-180514

Quant Time: May 22 01:51:51 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	265860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	358792	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	259311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	127077	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	179525	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	5.51	113	160928	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
50) Toluene-d8	8.72	98	471893	43.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.04%	
62) 4-Bromofluorobenzene	11.14	95	144653	37.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.10%	

Target Compounds				Qvalue		
3) Chloromethane	1.32	50	726	0.25	ug/l	91
4) Vinyl Chloride	1.40	62	3399	1.09	ug/l	94
5) Bromomethane	1.65	94	235	Below Cal	#	70
6) Chloroethane	1.68	64	735	0.37	ug/l	45
11) Tert butyl alcohol	3.03	59	831	1.31	ug/l	72
16) Acetone	2.45	43	1472	1.05	ug/l	90
27) cis-1,2-Dichloroethene	4.60	96	18250	5.54	ug/l	99
31) Cyclohexane	5.67	56	4088	0.91	ug/l	1
36) 1,1-Dichloropropene	5.67	75	15190	3.68	ug/l	49
38) Carbon Tetrachloride	5.67	117	21206	4.90	ug/l	17
39) Methylcyclohexane	7.21	83	2260	0.47	ug/l	1
44) Trichloroethene	7.22	130	196647	52.06	ug/l	100
60) Dibromochloromethane	9.34	129	4064	1.33	ug/l	11
64) Tetrachloroethene	9.34	164	5175	1.53	ug/l	94
76) 1,2,3-Trichloropropane	11.14	75	66137	27.37	ug/l	40
81) trans-1,4-Dichloro-2-buten	11.14	75	66137	79.48	ug/l	10

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

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Instrument :

MSVOA_X

ClientSampleId :

DUP-0458-180514

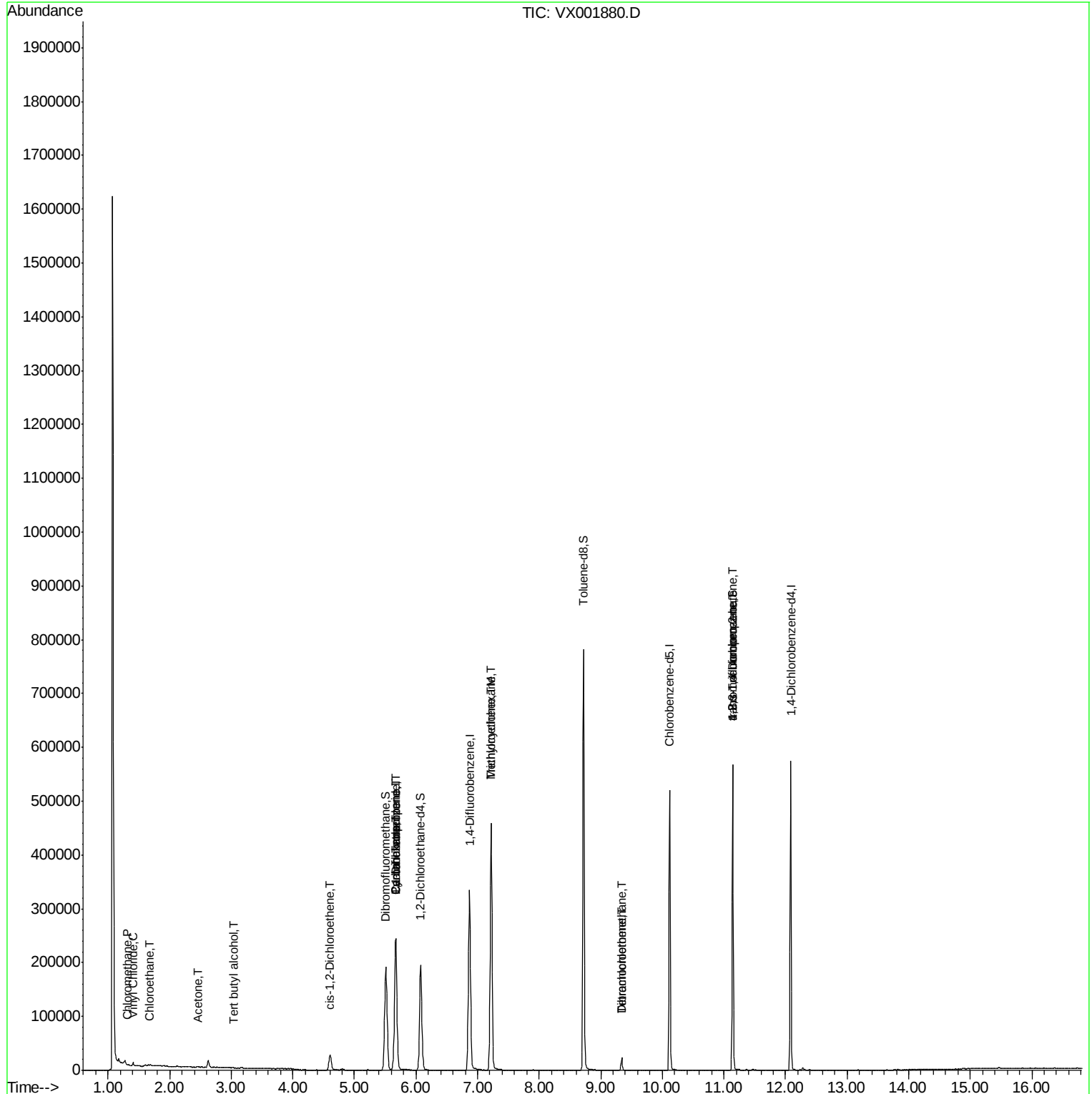
Quant Time: May 22 01:51:51 2018

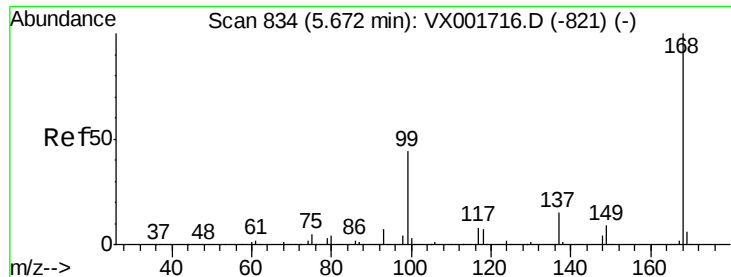
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

Quant Title : SW846 8260

QLast Update : Tue May 15 01:36:22 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001880.D

Acq: 21 May 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

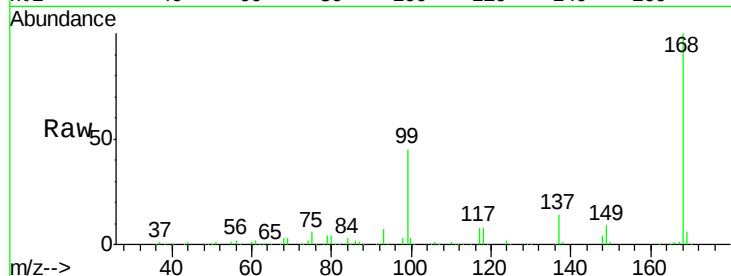
DUP-0458-180514

Tgt Ion:168 Resp: 265860

Ion Ratio Lower Upper

168 100

99 44.6 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

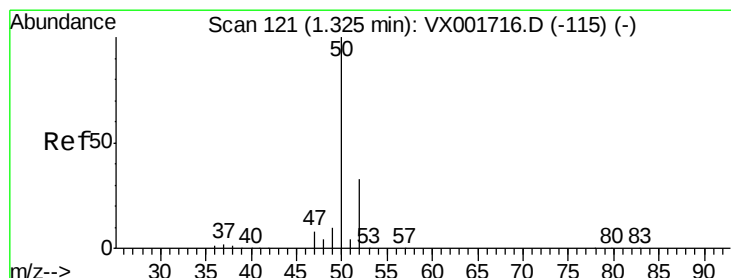
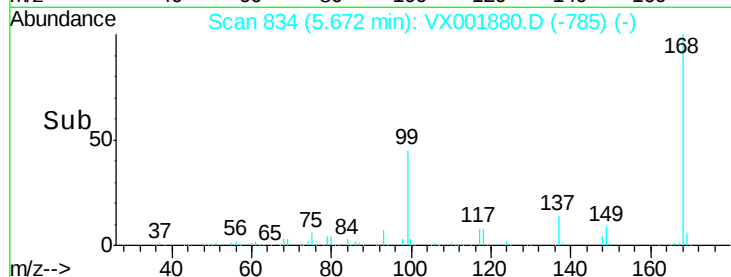
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.25 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001880.D

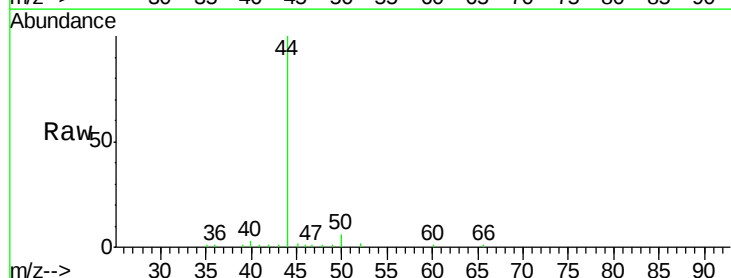
Acq: 21 May 2018 16:25

Tgt Ion: 50 Resp: 726

Ion Ratio Lower Upper

50 100

52 37.8 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

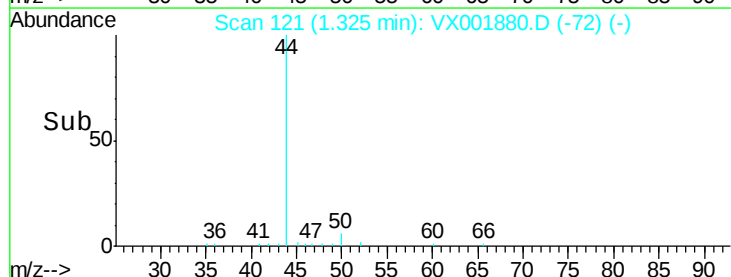
300

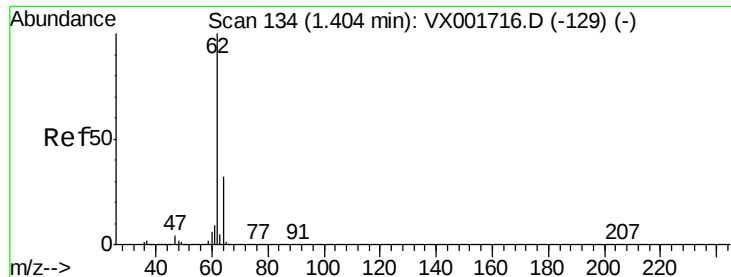
200

100

0

Time--> 1.30 1.35 1.40





#4

Vinyl Chloride

Concen: 1.09 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001880.D

Acq: 21 May 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

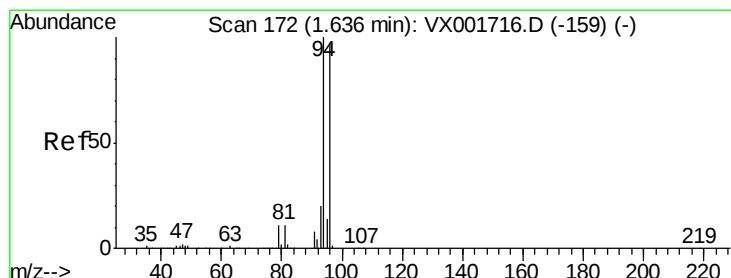
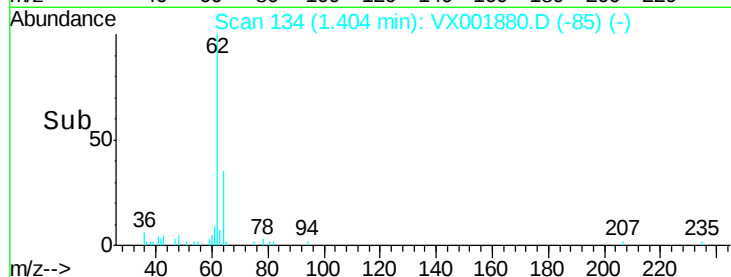
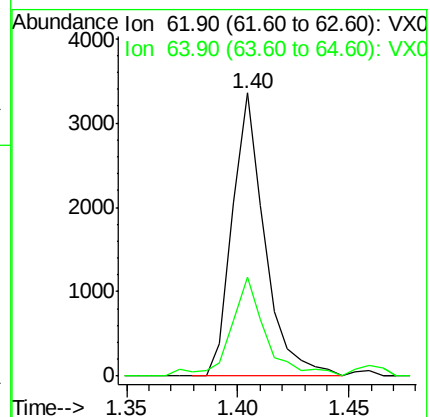
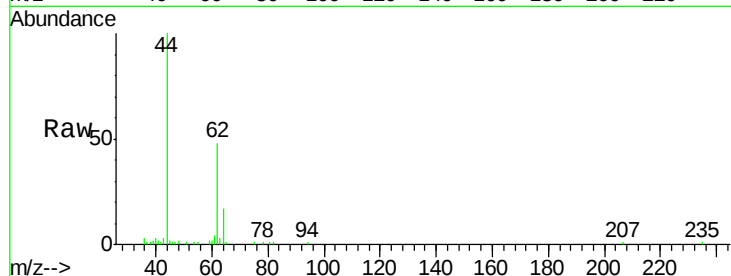
DUP-0458-180514

Tgt Ion: 62 Resp: 3399

Ion Ratio Lower Upper

62 100

64 35.2 25.6 38.4



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001880.D

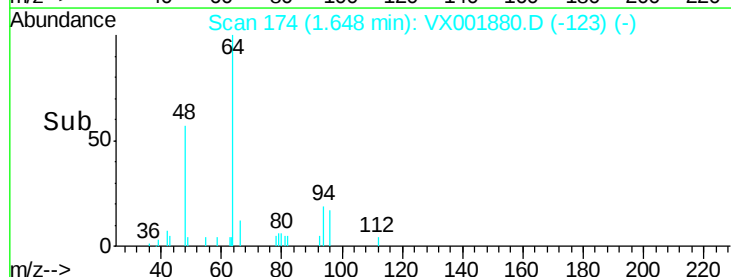
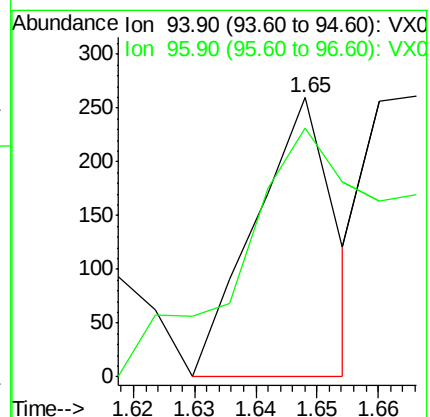
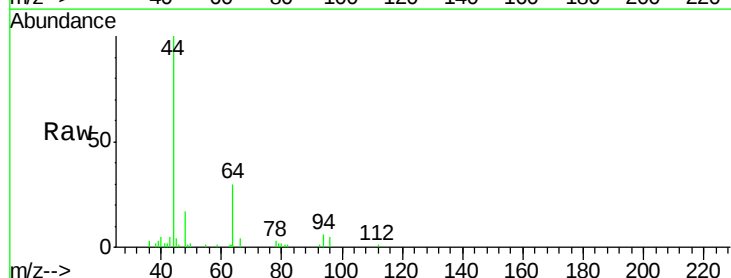
Acq: 21 May 2018 16:25

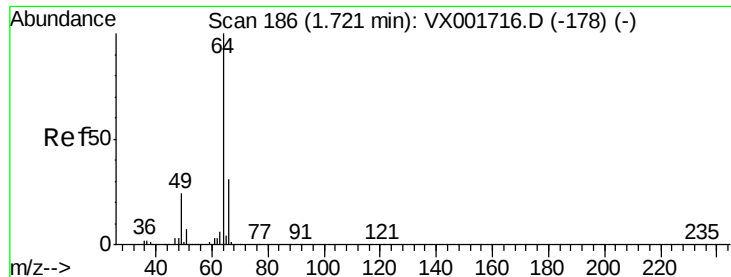
Tgt Ion: 94 Resp: 235

Ion Ratio Lower Upper

94 100

96 67.3 77.4 116.0#





#6

Chloroethane

Concen: 0.37 ug/l

RT: 1.68 min Scan# 179

Delta R.T. -0.04 min

Lab File: VX001880.D

Acq: 21 May 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

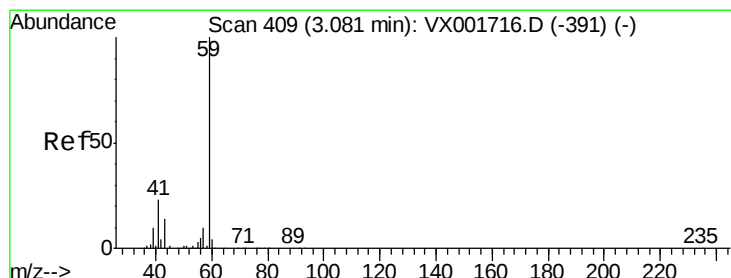
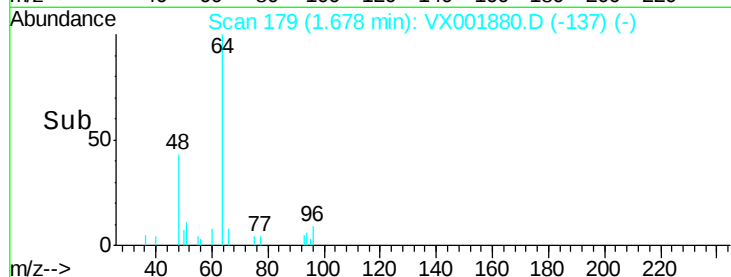
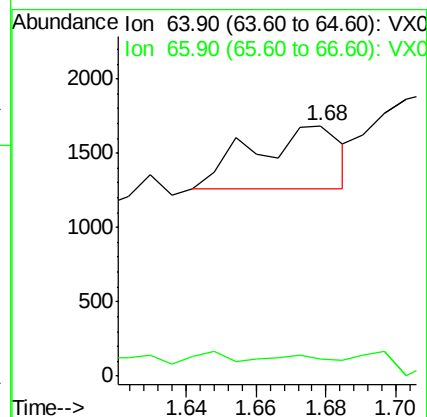
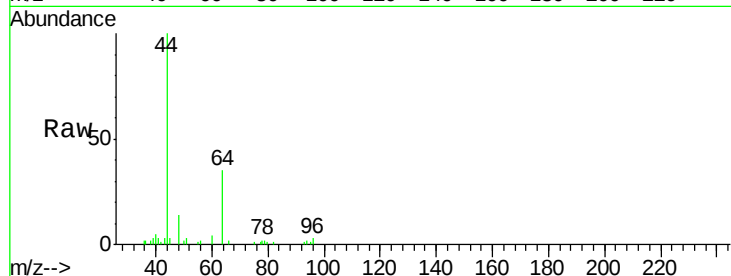
DUP-0458-180514

Tgt Ion: 64 Resp: 735

Ion Ratio Lower Upper

64 100

66 1.0 25.2 37.8#



#11

Tert butyl alcohol

Concen: 1.31 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.05 min

Lab File: VX001880.D

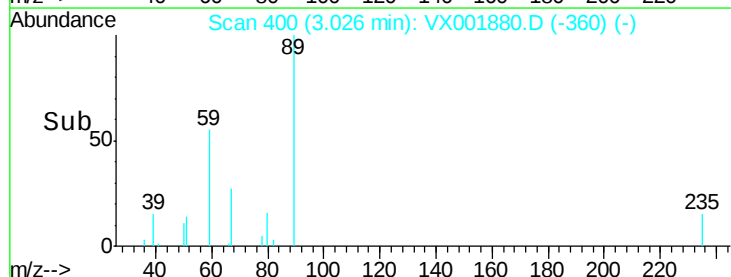
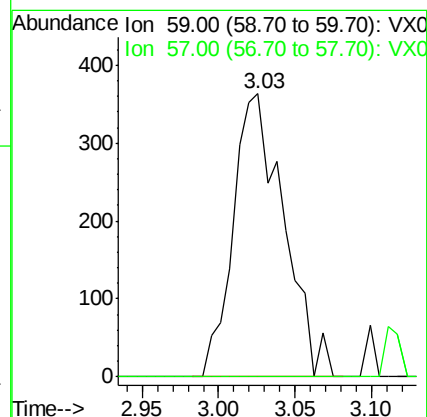
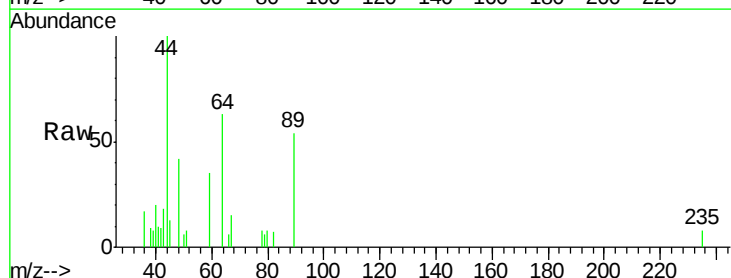
Acq: 21 May 2018 16:25

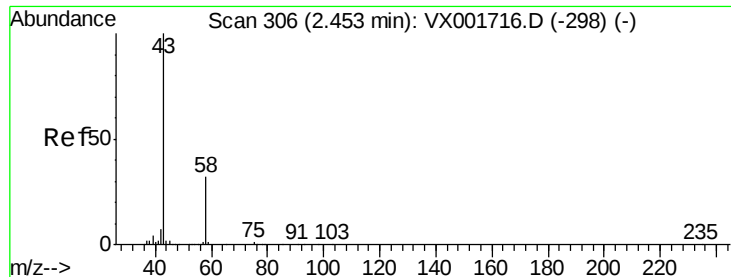
Tgt Ion: 59 Resp: 831

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#16

Acetone

Concen: 1.05 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001880.D

Acq: 21 May 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

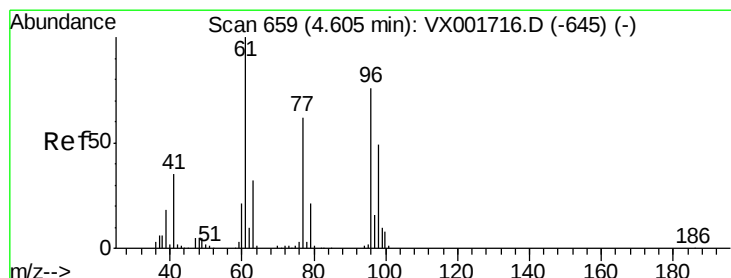
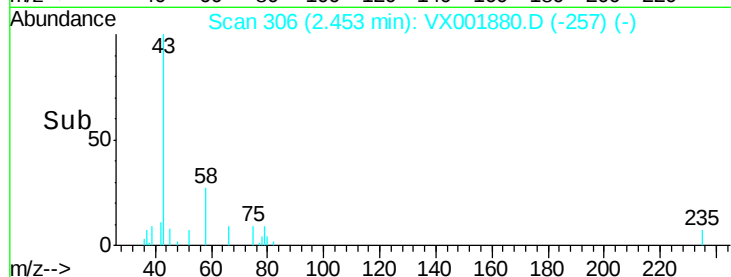
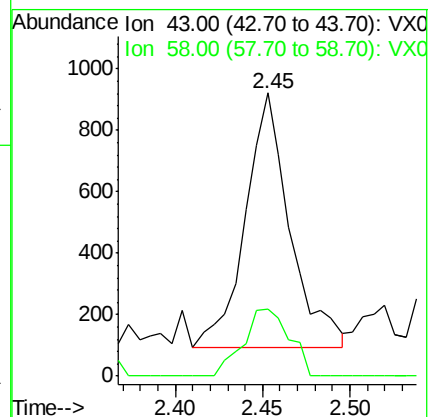
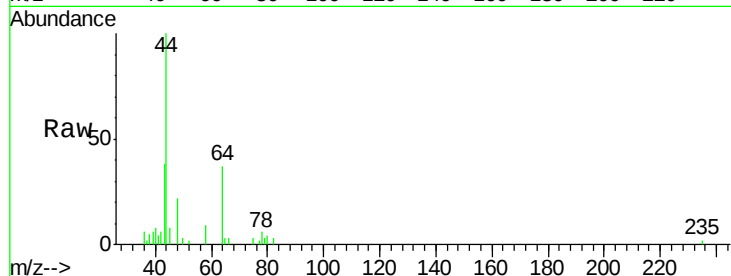
DUP-0458-180514

Tgt Ion: 43 Resp: 1472

Ion Ratio Lower Upper

43 100

58 26.3 25.3 37.9



#27

cis-1,2-Dichloroethene

Concen: 5.54 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001880.D

Acq: 21 May 2018 16:25

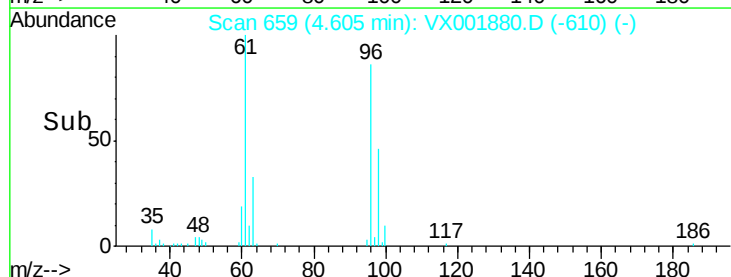
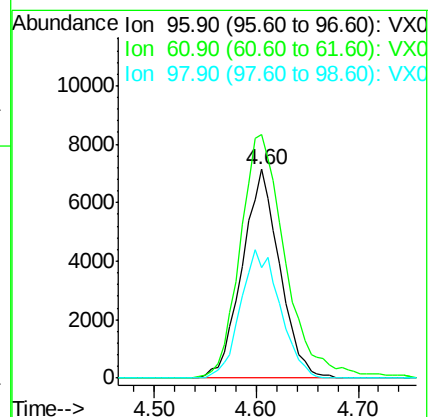
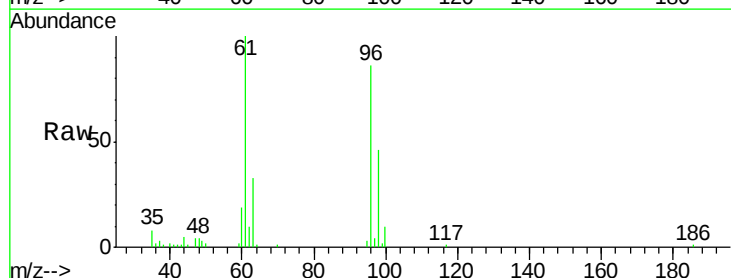
Tgt Ion: 96 Resp: 18250

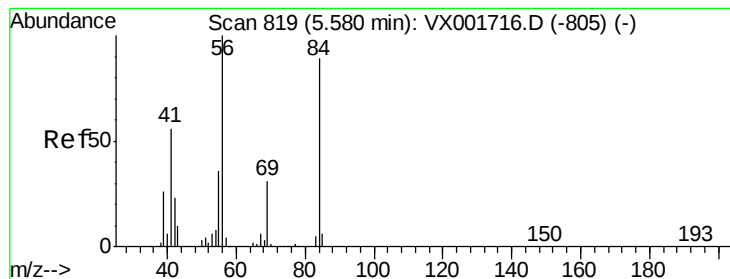
Ion Ratio Lower Upper

96 100

61 140.9 0.0 280.4

98 64.4 0.0 128.4





#31

Cyclohexane

Concen: 0.91 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001880.D

Acq: 21 May 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

DUP-0458-180514

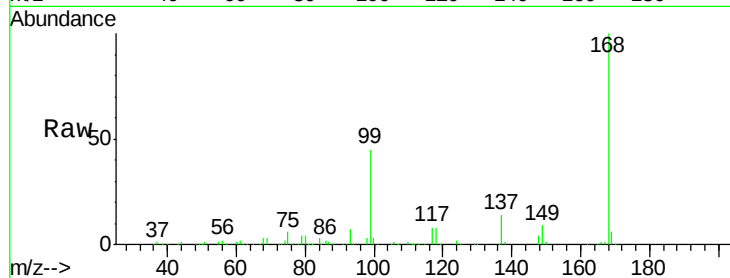
Tgt Ion: 56 Resp: 4088

Ion Ratio Lower Upper

56 100

69 168.2 25.0 37.6#

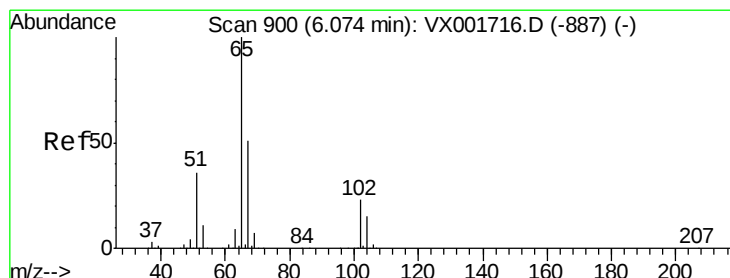
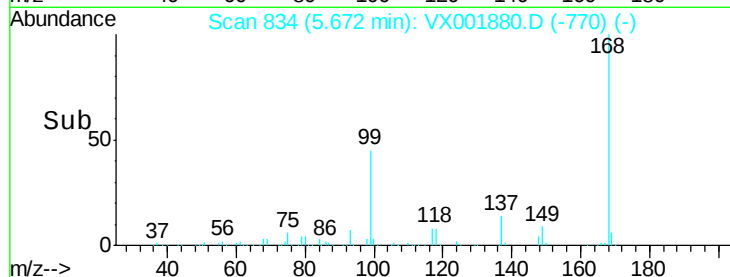
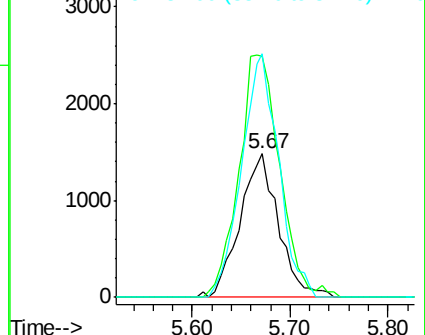
84 182.0 71.0 106.4#



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: 50.38 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001880.D

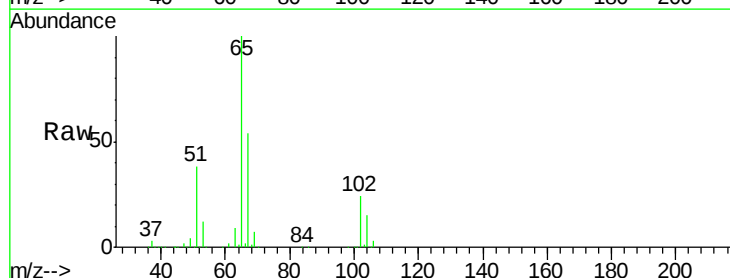
Acq: 21 May 2018 16:25

Tgt Ion: 65 Resp: 179525

Ion Ratio Lower Upper

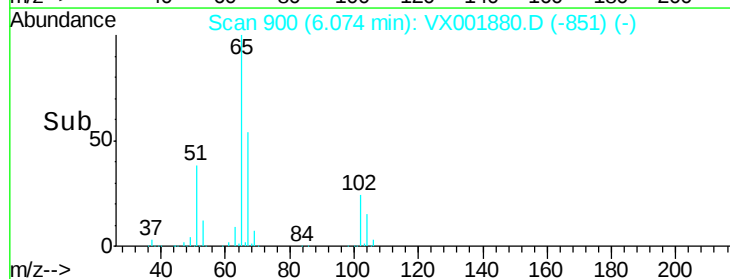
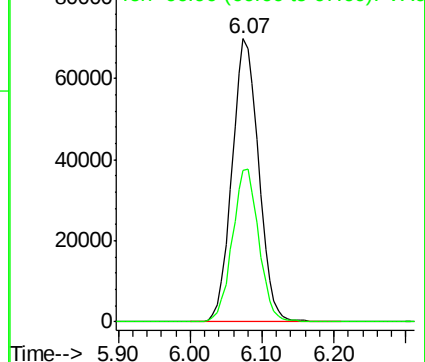
65 100

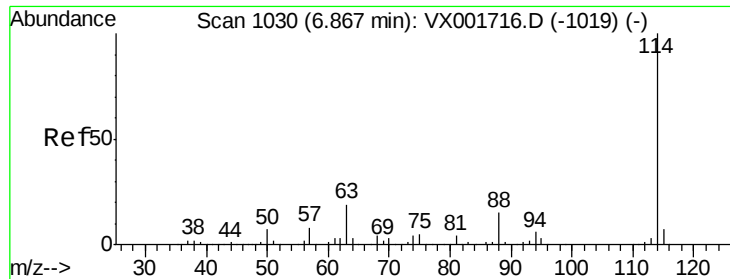
67 53.5 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

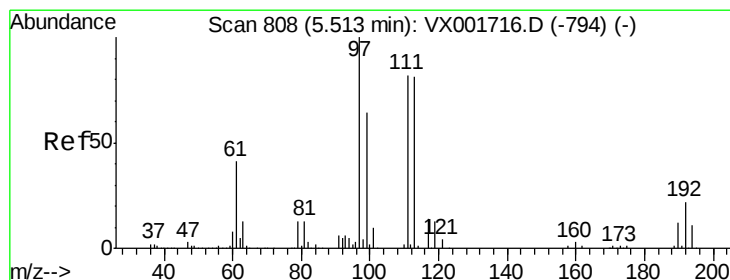
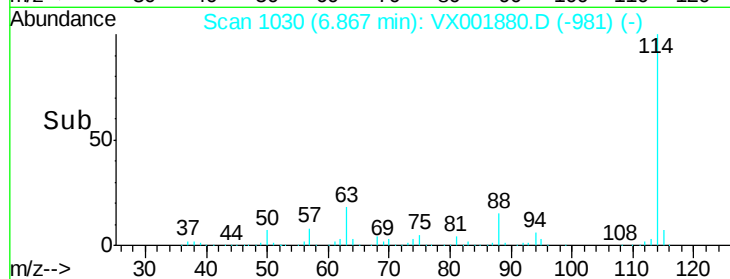
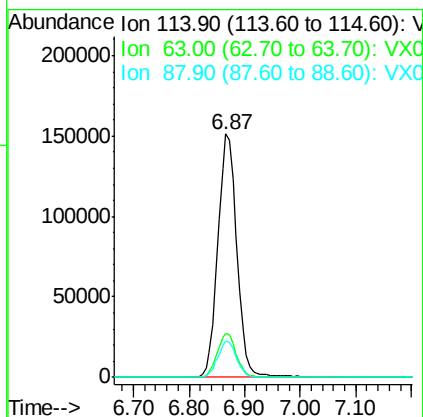
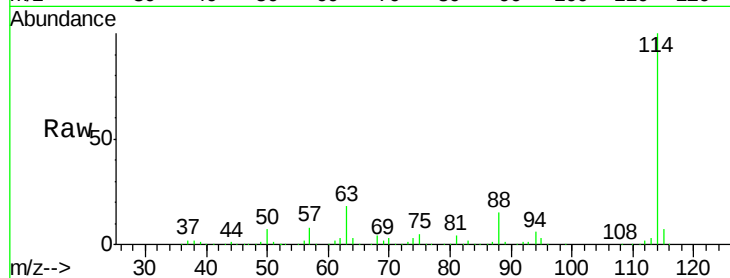




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001880.D
 Acq: 21 May 2018 16:25

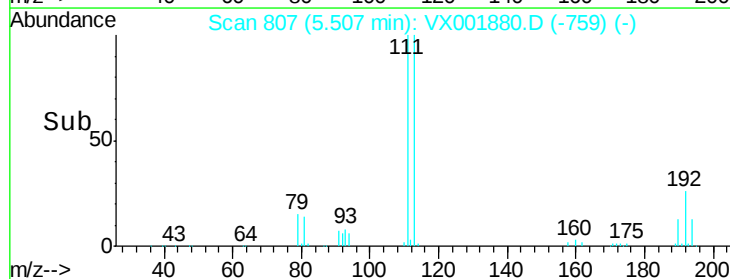
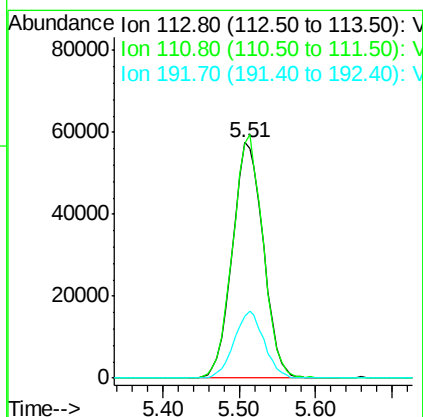
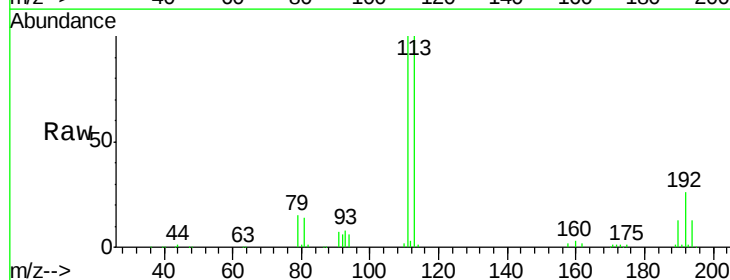
Instrument :
 MSVOA_X
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 DUP-0458-180514

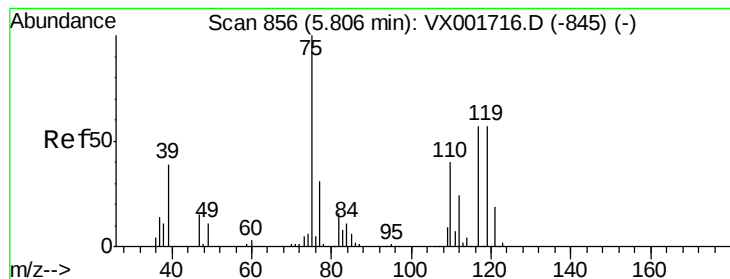
Tgt Ion:114 Resp: 358792
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 37.0
 88 14.8 0.0 29.8



#35
 Dibromofluoromethane
 Concen: 53.15 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001880.D
 Acq: 21 May 2018 16:25

Tgt Ion:113 Resp: 160928
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.0 123.0
 192 27.6 21.6 32.4





#36

1,1-Dichloropropene

Concen: 3.68 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001880.D

Acq: 21 May 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

DUP-0458-180514

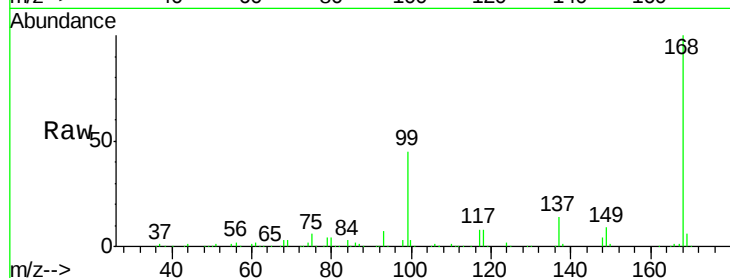
Tgt Ion: 75 Resp: 15190

Ion Ratio Lower Upper

75 100

110 10.0 19.1 57.1#

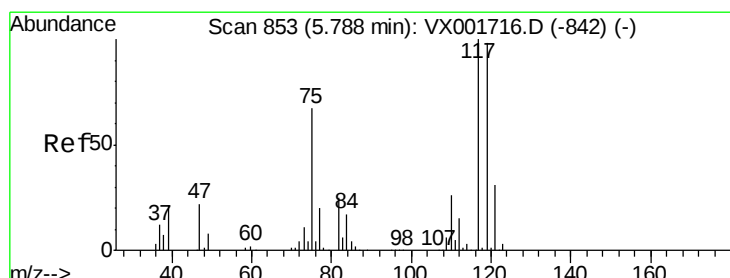
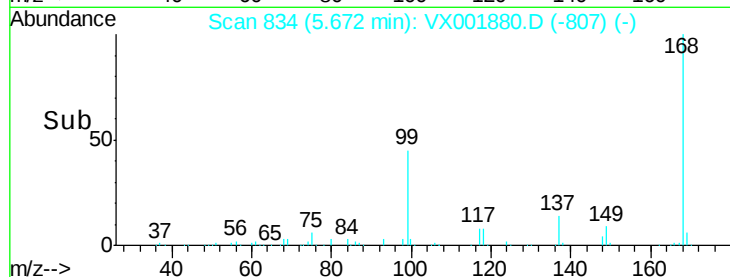
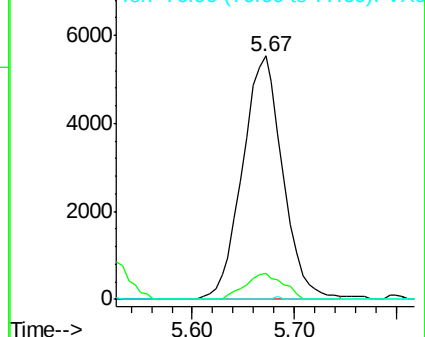
77 0.1 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX001716.D (-845) (-)

Ion 109.90 (109.60 to 110.60): VX001716.D (-845) (-)

Ion 76.90 (76.60 to 77.60): VX001716.D (-845) (-)



#38

Carbon Tetrachloride

Concen: 4.90 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001880.D

Acq: 21 May 2018 16:25

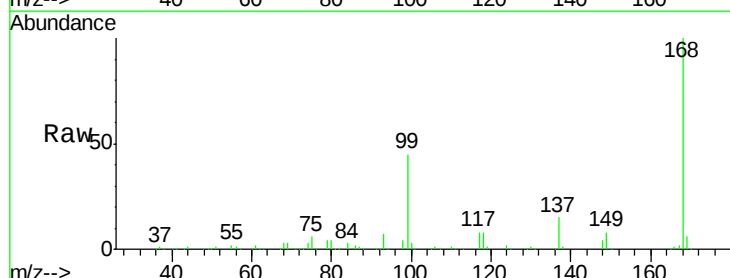
Tgt Ion: 117 Resp: 21206

Ion Ratio Lower Upper

117 100

119 6.5 77.6 116.4#

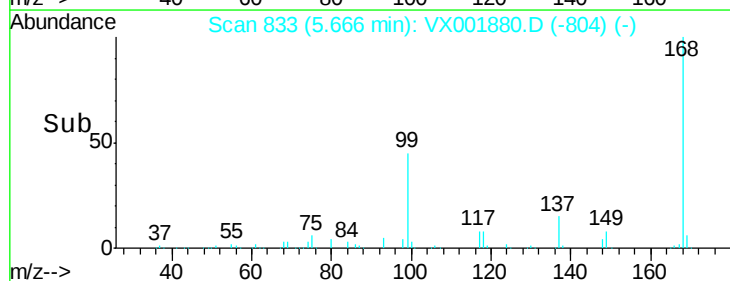
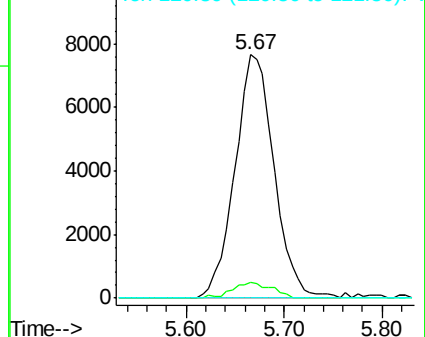
121 0.0 24.6 36.8#

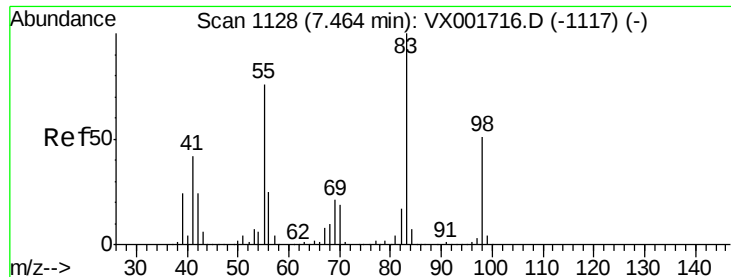


Abundance Ion 116.80 (116.50 to 117.50): VX001716.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX001716.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX001716.D (-842) (-)

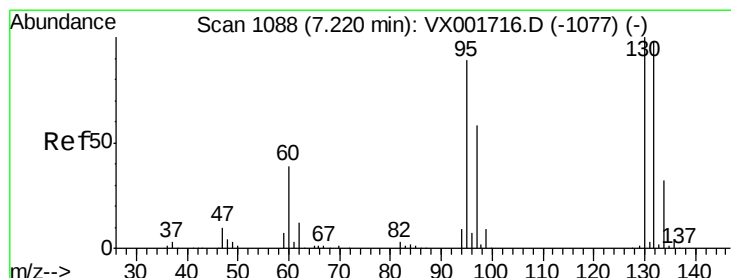
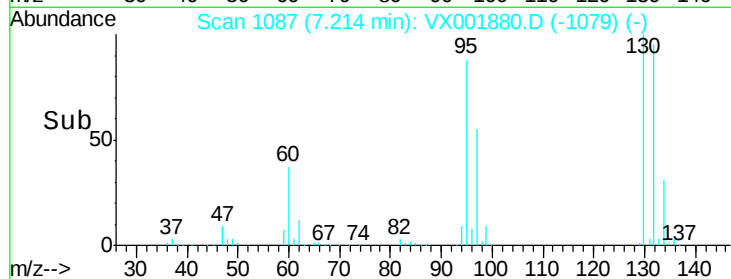
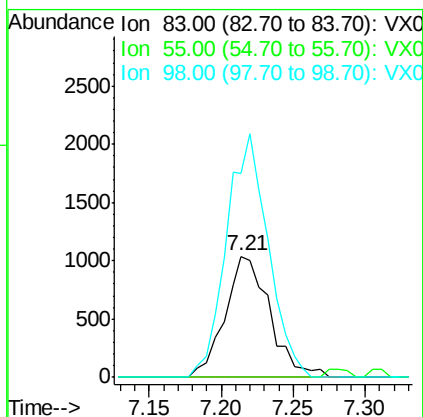
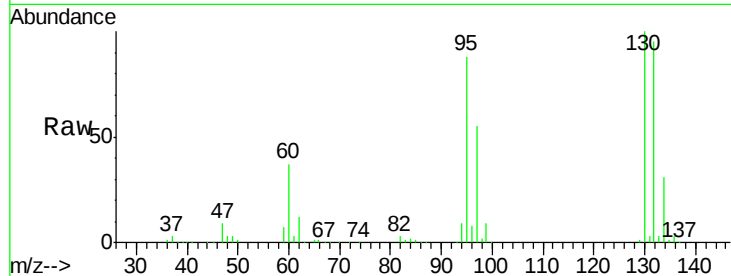




#39
Methylcyclohexane
Concen: 0.47 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.25 min
Lab File: VX001880.D
Acq: 21 May 2018 16:25

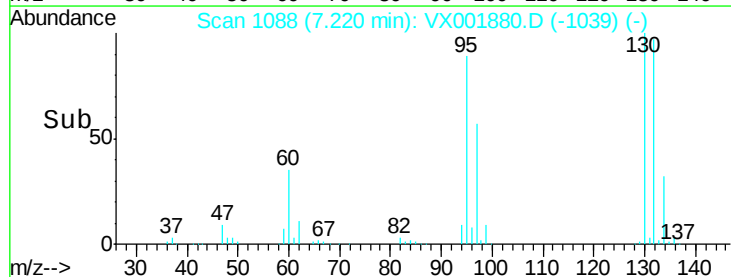
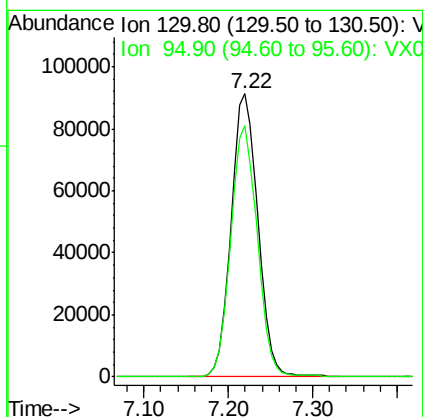
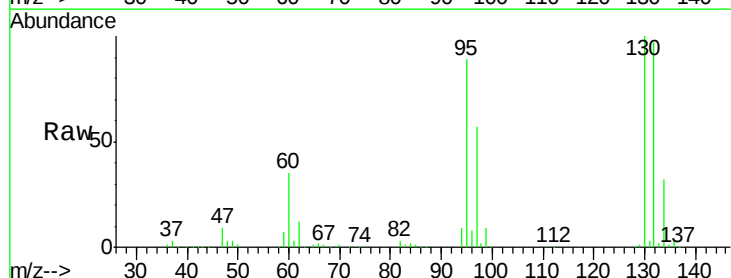
Instrument :
MSVOA_X
ClientSampleId :
DUP-0458-180514

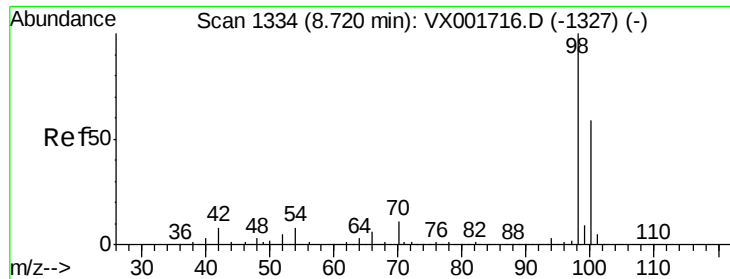
Tgt Ion: 83 Resp: 2260
Ion Ratio Lower Upper
83 100
55 0.0 60.6 90.8#
98 168.4 40.4 60.6#



#44
Trichloroethene
Concen: 52.06 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX001880.D
Acq: 21 May 2018 16:25

Tgt Ion: 130 Resp: 196647
Ion Ratio Lower Upper
130 100
95 88.7 0.0 177.2





#50

Toluene-d8

Concen: 43.52 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001880.D

Acq: 21 May 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

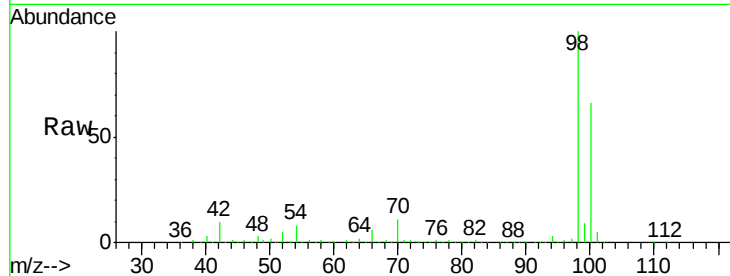
DUP-0458-180514

Tgt Ion: 98 Resp: 471893

Ion Ratio Lower Upper

98 100

100 66.0 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX001716.D (-1327) (-)

Ion 100.00 (99.70 to 100.70): VX001716.D (-1327) (-)

8.72

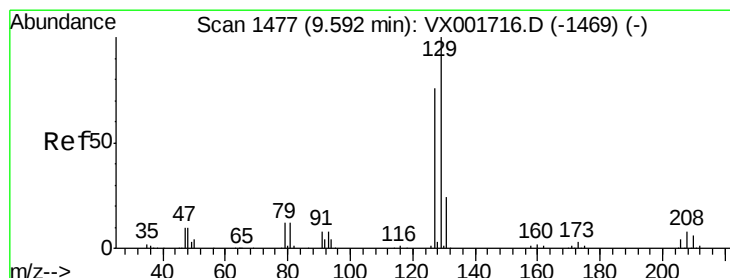
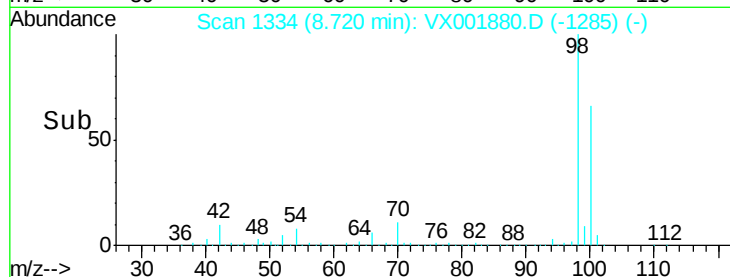
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 1.33 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001880.D

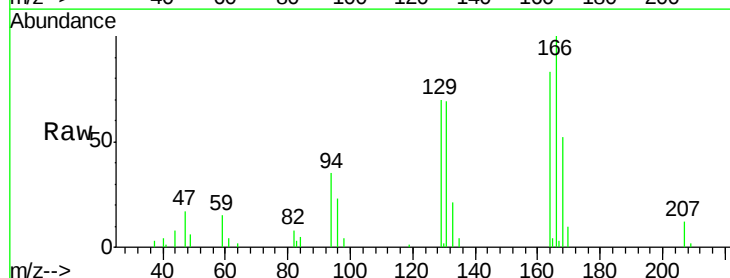
Acq: 21 May 2018 16:25

Tgt Ion: 129 Resp: 4064

Ion Ratio Lower Upper

129 100

127 0.0 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): VX001716.D (-1469) (-)

Ion 126.80 (126.50 to 127.50): VX001716.D (-1469) (-)

9.34

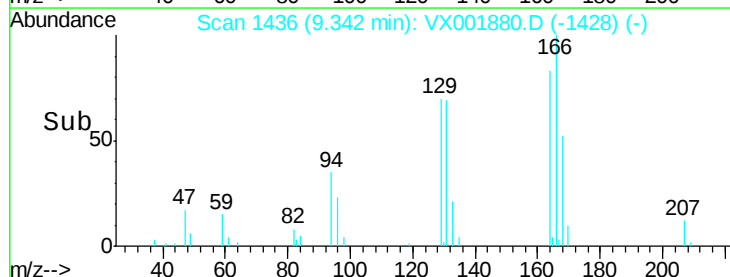
3000

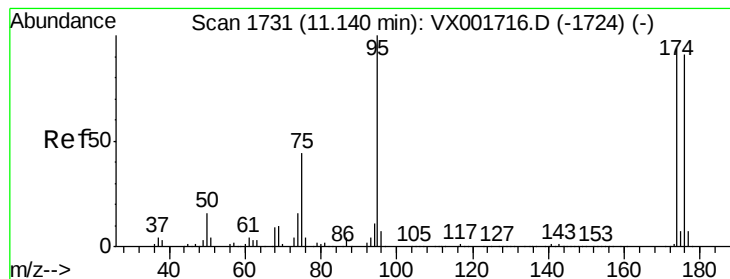
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 37.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001880.D

Acq: 21 May 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

DUP-0458-180514

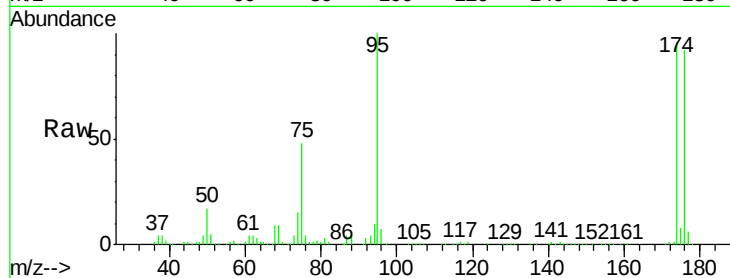
Tgt Ion: 95 Resp: 144653

Ion Ratio Lower Upper

95 100

174 103.9 0.0 201.8

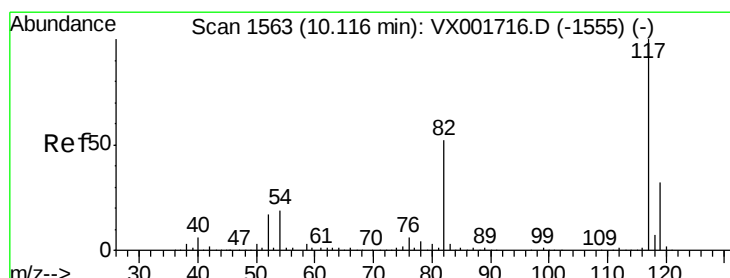
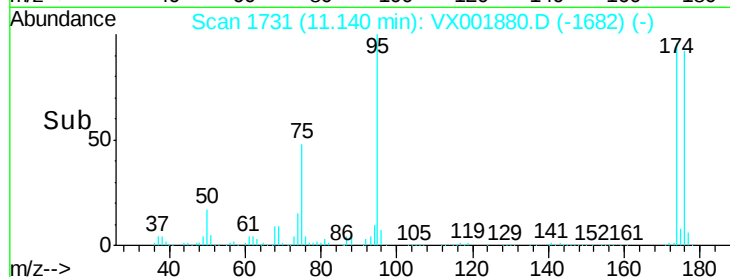
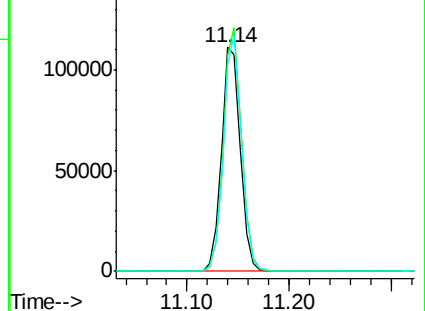
176 100.0 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX001716.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX001716.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX001716.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VX001880.D

Acq: 21 May 2018 16:25

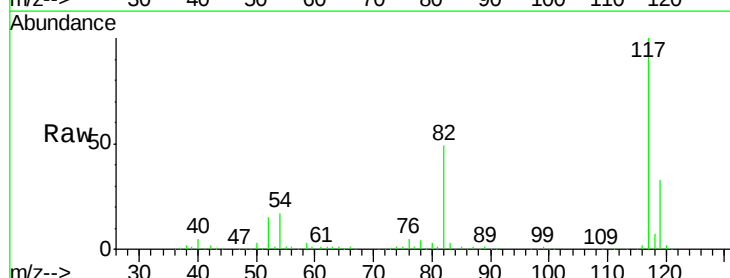
Tgt Ion: 117 Resp: 259311

Ion Ratio Lower Upper

117 100

82 48.7 41.4 62.2

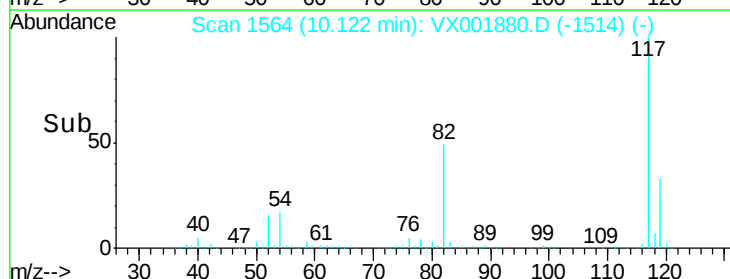
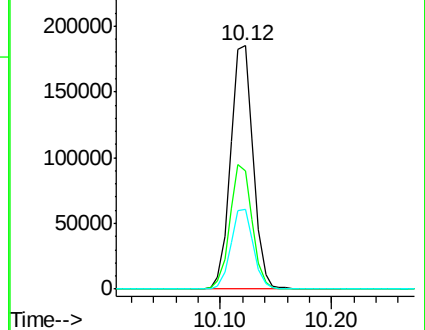
119 32.6 25.6 38.4

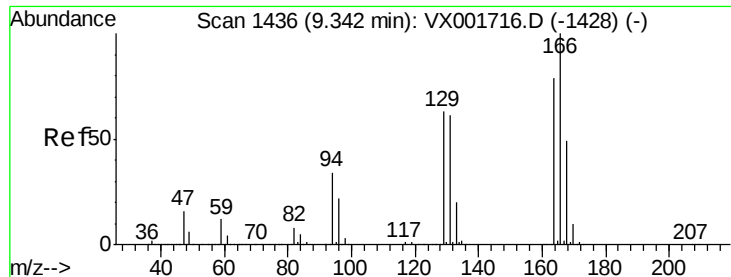


Abundance Ion 116.90 (116.60 to 117.60): VX001716.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX001716.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX001716.D (-1555) (-)

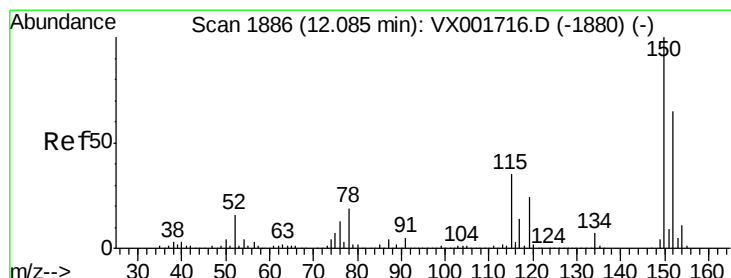
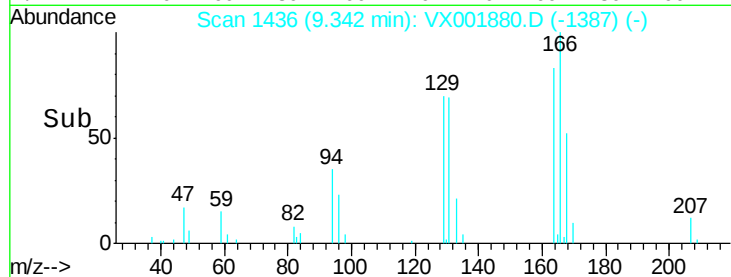
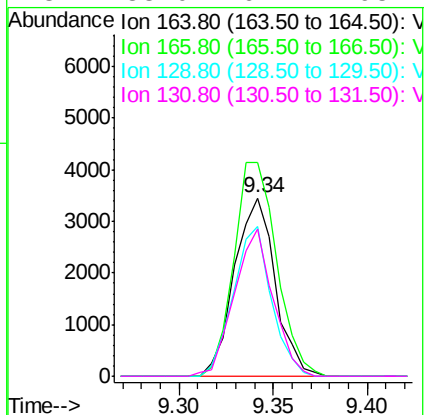
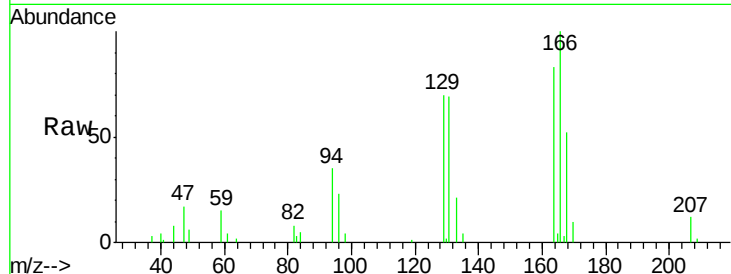




#64
Tetrachloroethene
Concen: 1.53 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001880.D
Acq: 21 May 2018 16:25

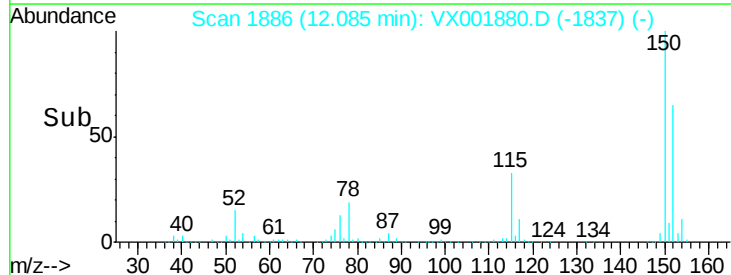
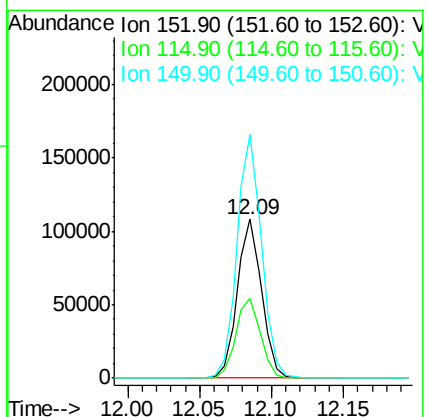
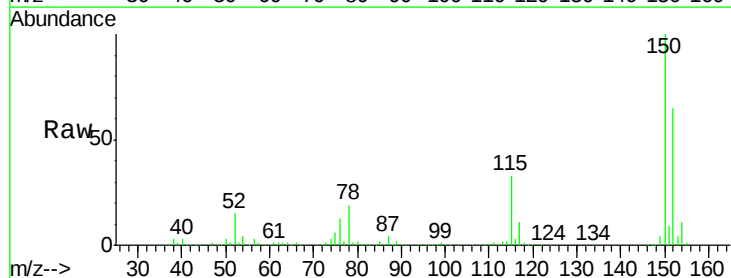
Instrument :
MSVOA_X
ClientSampleId :
DUP-0458-180514

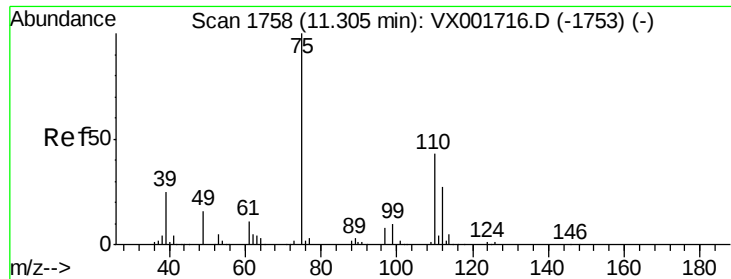
Tgt Ion:164 Resp: 5175
Ion Ratio Lower Upper
164 100
166 119.9 101.8 152.8
129 83.9 63.8 95.6
131 83.0 62.2 93.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001880.D
Acq: 21 May 2018 16:25

Tgt Ion:152 Resp: 127077
Ion Ratio Lower Upper
152 100
115 51.5 37.4 112.2
150 154.4 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 27.37 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001880.D

Acq: 21 May 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

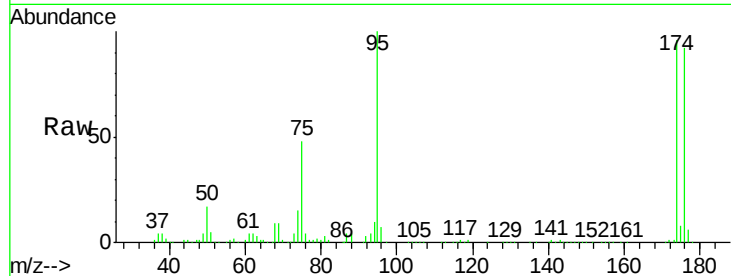
DUP-0458-180514

Tgt Ion: 75 Resp: 66137

Ion Ratio Lower Upper

75 100

77 1.6 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

60000

50000

40000

30000

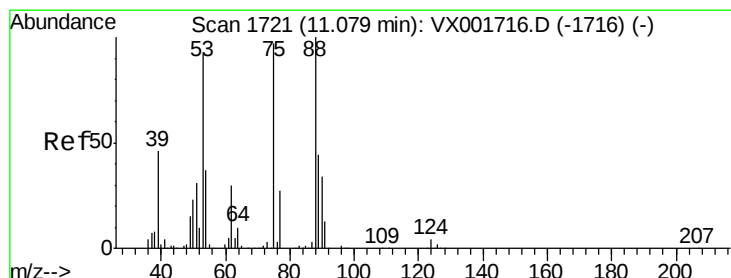
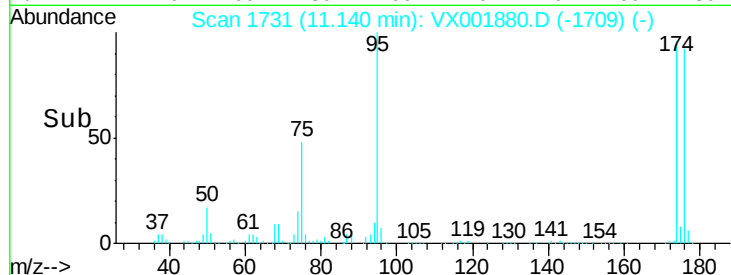
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 79.48 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001880.D

Acq: 21 May 2018 16:25

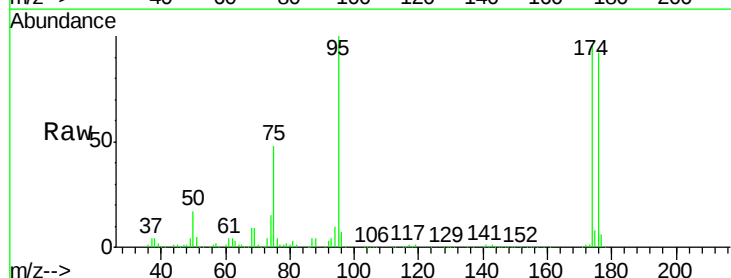
Tgt Ion: 75 Resp: 66137

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

89 0.0 38.8 58.2#



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

60000

40000

20000

0

Time-->

11.10 11.20

