

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
 Data File : VX003481.D
 Acq On : 19 Jul 2018 23:40
 Operator : JC/SP
 Sample : J3170-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D1-071018

Quant Time: Jul 20 11:42:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	300703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	442801	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	417347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	227280	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	181785	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
35) Dibromofluoromethane	5.50	113	172331	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
50) Toluene-d8	8.72	98	629021	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.14	95	215932	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	

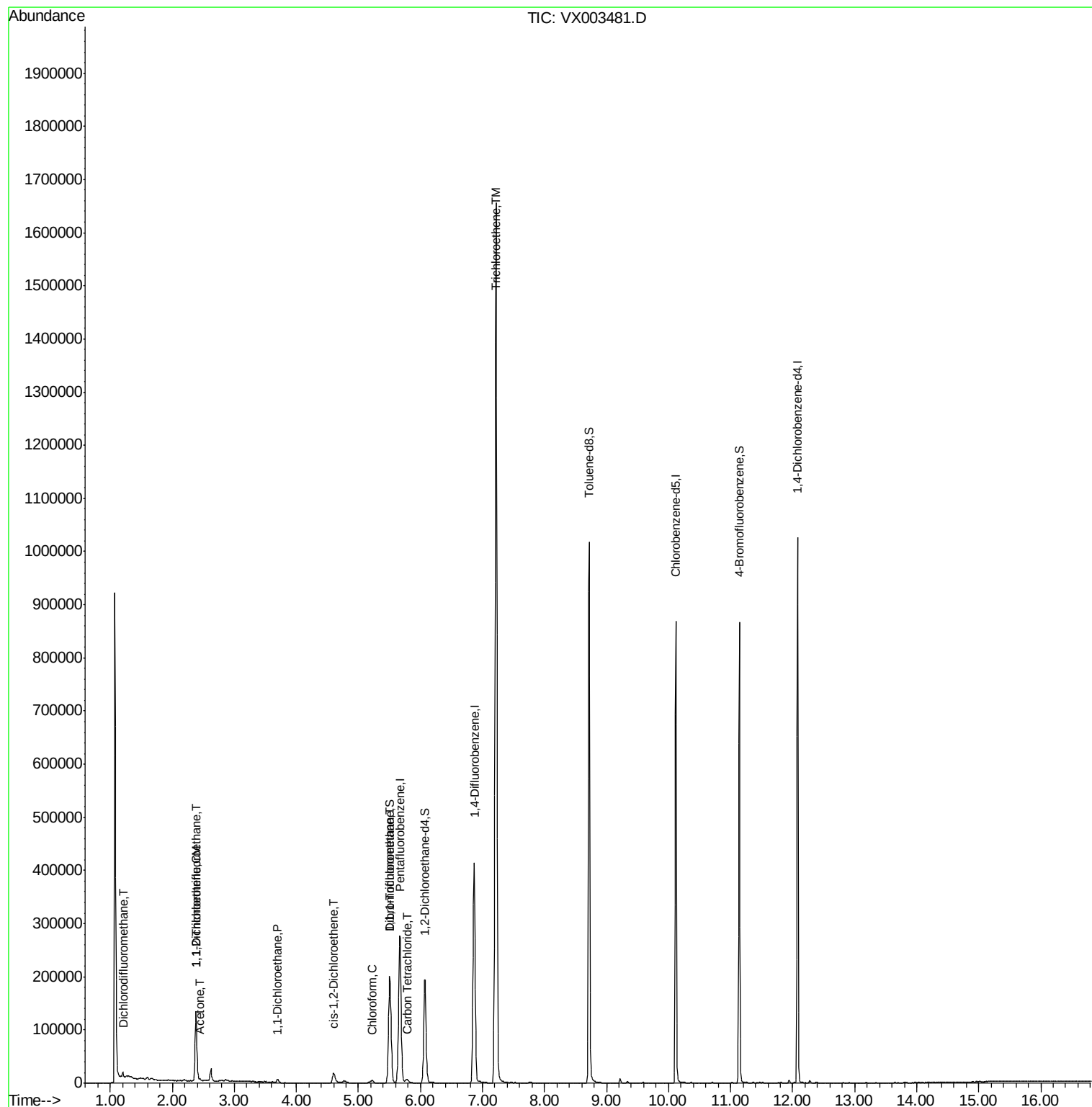
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	3823	0.89	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	37737	11.31	ug/l	96
12) 1,1-Dichloroethene	2.37	96	18306	5.96	ug/l	86
16) Acetone	2.45	43	3387	2.52	ug/l	99
24) 1,1-Dichloroethane	3.70	63	7060	1.18	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	8474	2.23	ug/l #	11
30) Chloroform	5.22	83	6394	1.09	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	2921	0.58	ug/l #	49
38) Carbon Tetrachloride	5.79	117	6223	1.33	ug/l	96
44) Trichloroethene	7.22	130	687788	159.78	ug/l	95

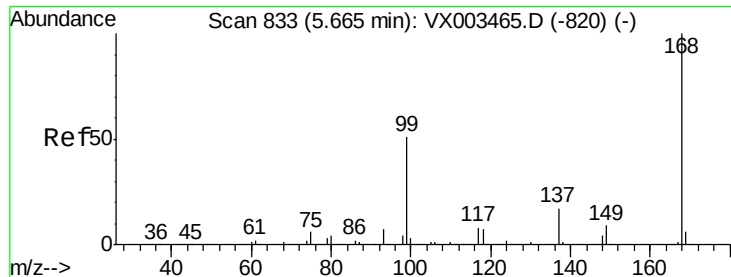
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071918\
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Quant Time: Jul 20 11:42:15 2018
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Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003481.D

Acq: 19 Jul 2018 23:40

Instrument :

MSVOA_X

ClientSampleId :

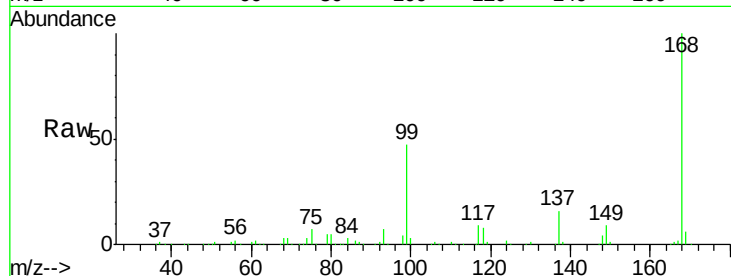
TT101D1-071018

Tot Ion:168 Resp: 300703

Ion Ratio Lower Upper

168 100

99 46.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

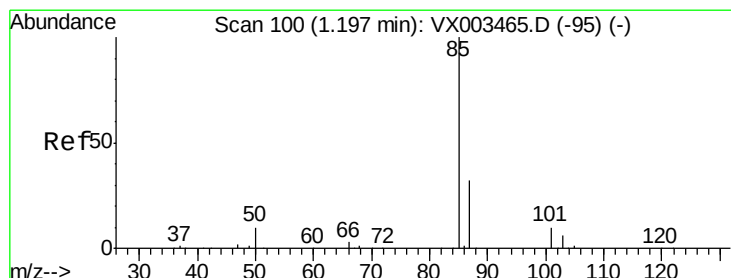
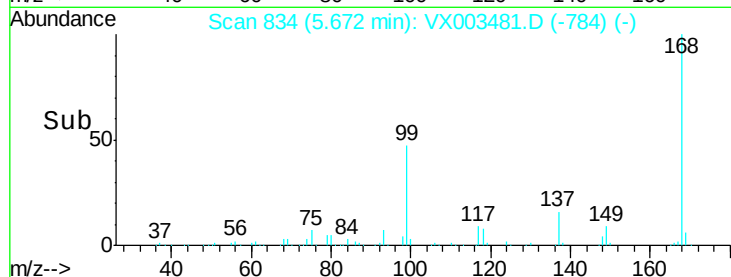
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.89 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003481.D

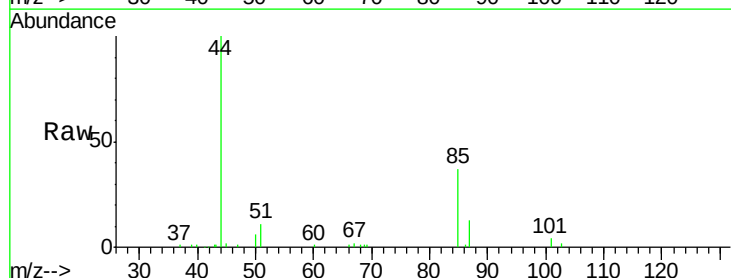
Acq: 19 Jul 2018 23:40

Tgt Ion: 85 Resp: 3823

Ion Ratio Lower Upper

85 100

87 34.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

4000

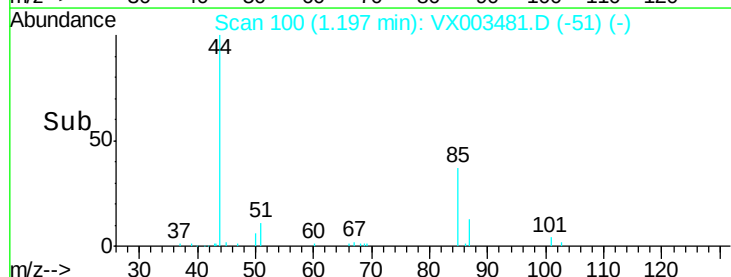
3000

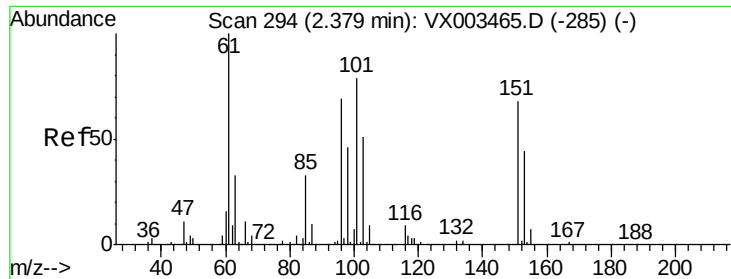
2000

1000

0

Time--> 1.15 1.20 1.25





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.31 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003481.D

Acq: 19 Jul 2018 23:40

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-071018

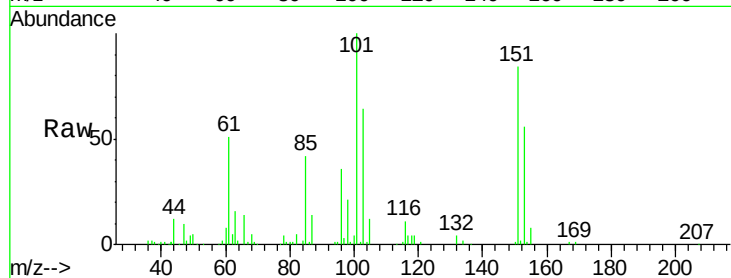
Tot Ion:101 Resp: 37737

Ion Ratio Lower Upper

101 100

85 41.8 36.0 54.0

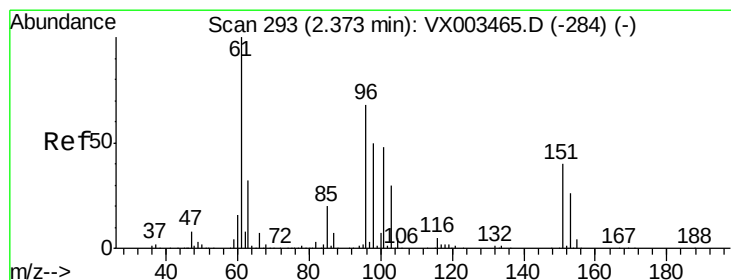
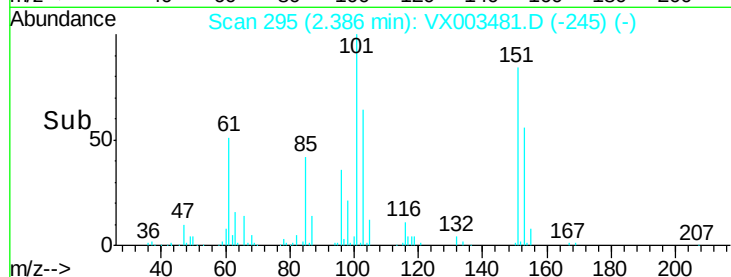
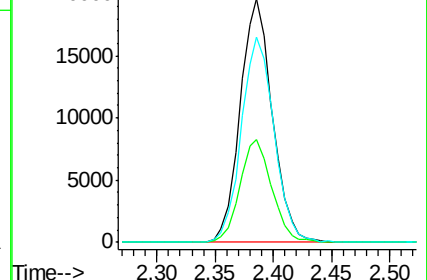
151 85.9 70.9 106.3



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



#12

1,1-Dichloroethene

Concen: 5.96 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX003481.D

Acq: 19 Jul 2018 23:40

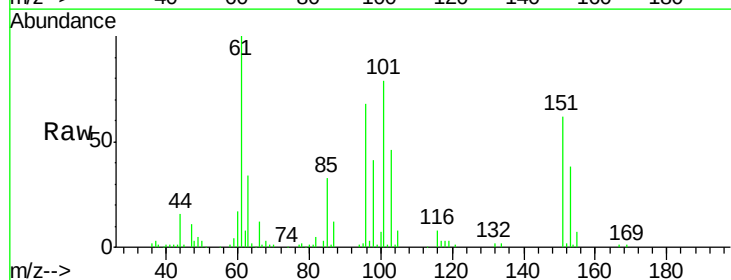
Tgt Ion: 96 Resp: 18306

Ion Ratio Lower Upper

96 100

61 147.9 137.9 206.9

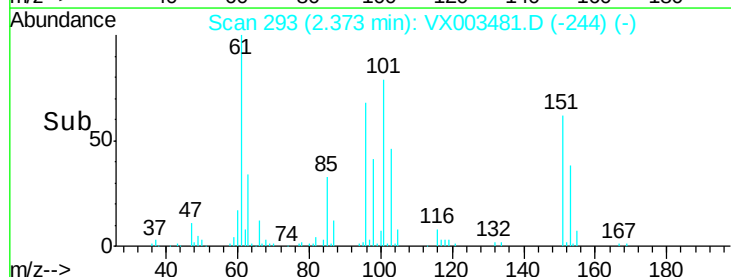
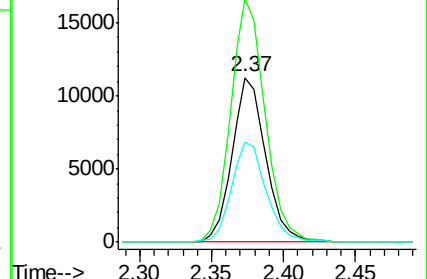
98 60.6 51.6 77.4

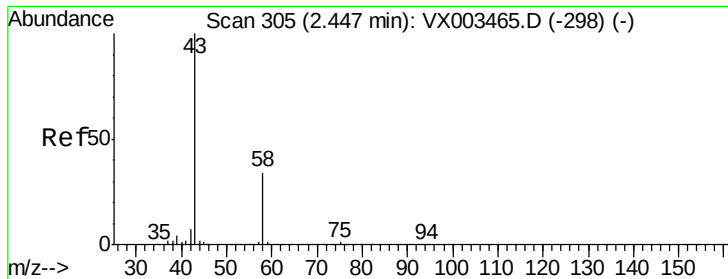


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#16

Acetone

Concen: 2.52 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003481.D

Acq: 19 Jul 2018 23:40

Instrument :

MSVOA_X

ClientSampleId :

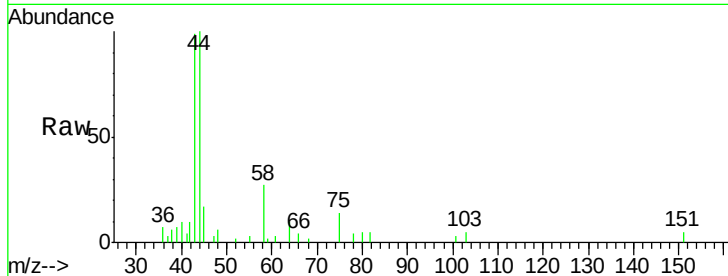
TT101D1-071018

Tot Ion: 43 Resp: 3387

Ion Ratio Lower Upper

43 100

58 28.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2000

1500

1000

500

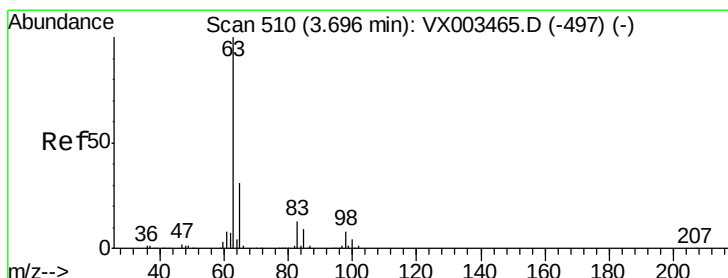
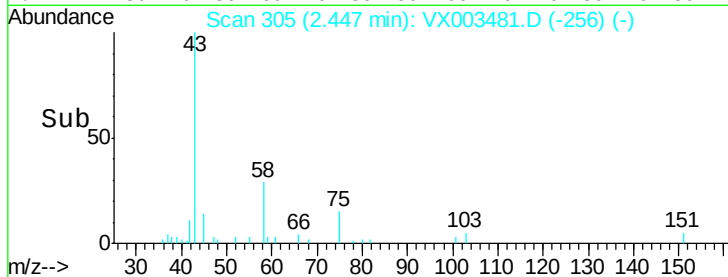
0

Time-->

2.40

2.45

2.50



#24

1,1-Dichloroethane

Concen: 1.18 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003481.D

Acq: 19 Jul 2018 23:40

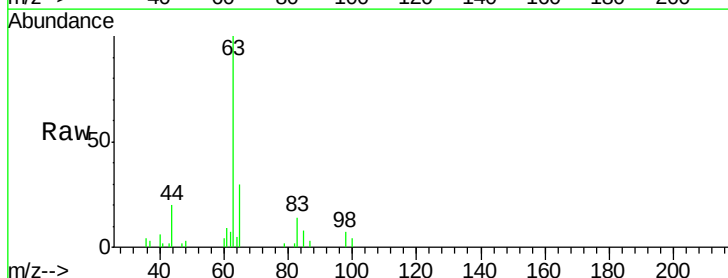
Tgt Ion: 63 Resp: 7060

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

100 4.4 2.0 6.0



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

3.70

4000

3000

2000

1000

0

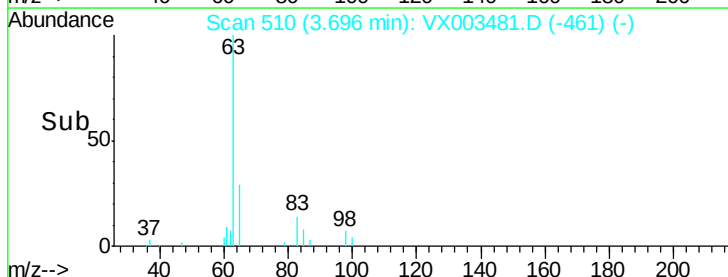
Time-->

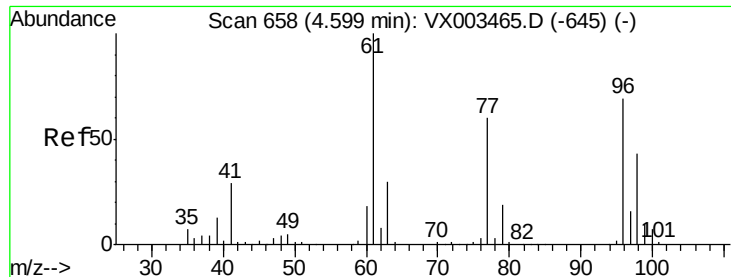
3.60

3.65

3.70

3.75





#27

cis-1,2-Dichloroethene

Concen: 2.23 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003481.D

Acq: 19 Jul 2018 23:40

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-071018

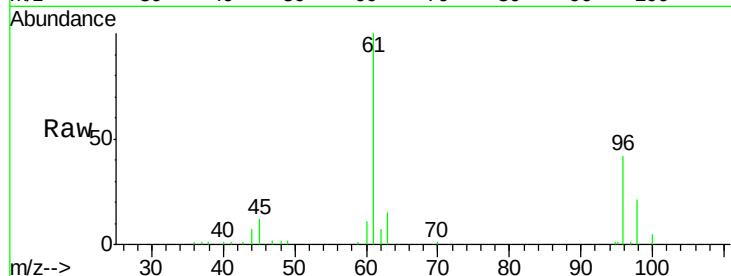
Tot Ion: 96 Resp: 8474

Ion Ratio Lower Upper

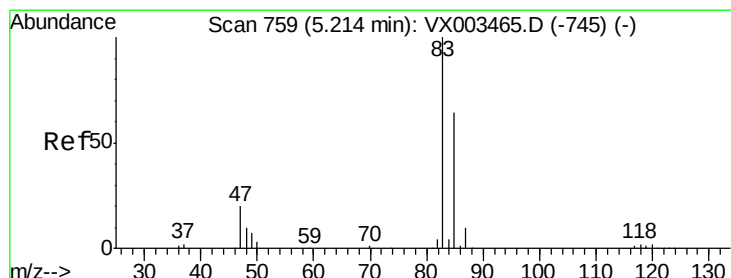
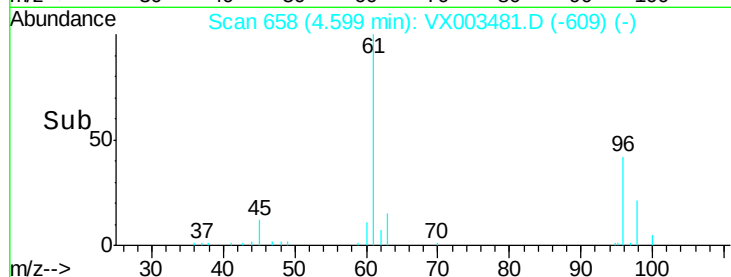
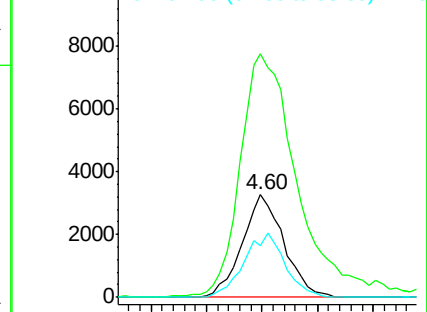
96 100

61 330.4 0.0 330.2#

98 61.5 0.0 130.2



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



#30

Chloroform

Concen: 1.09 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX003481.D

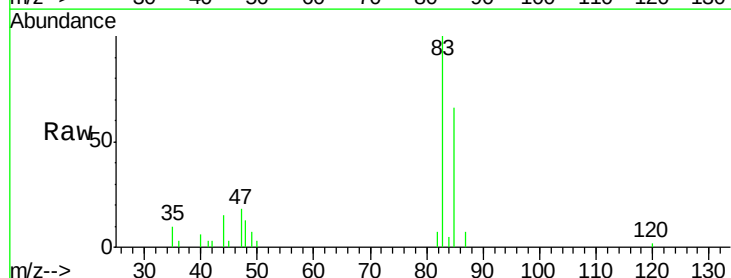
Acq: 19 Jul 2018 23:40

Tgt Ion: 83 Resp: 6394

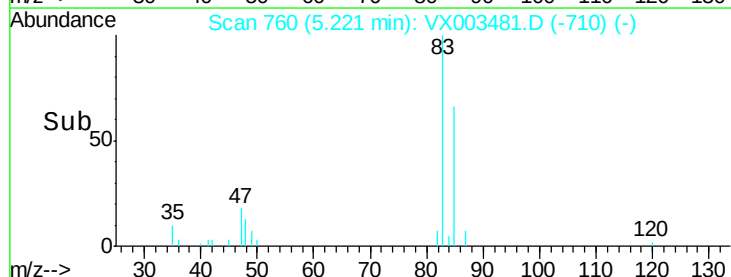
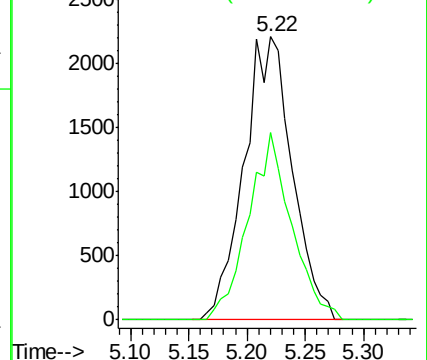
Ion Ratio Lower Upper

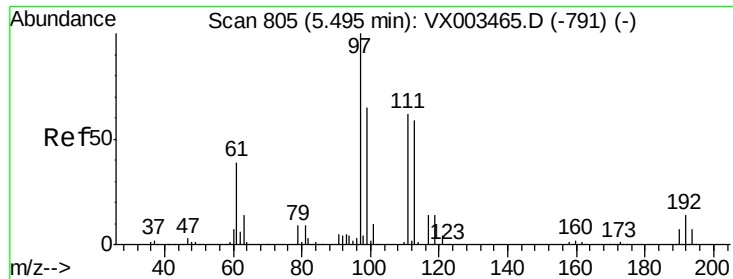
83 100

85 66.2 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

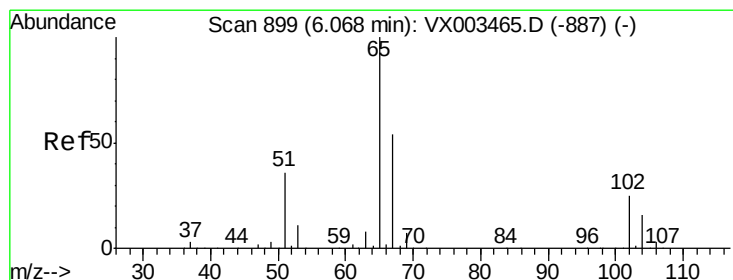
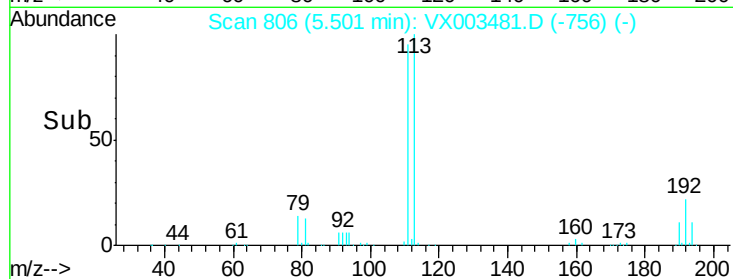
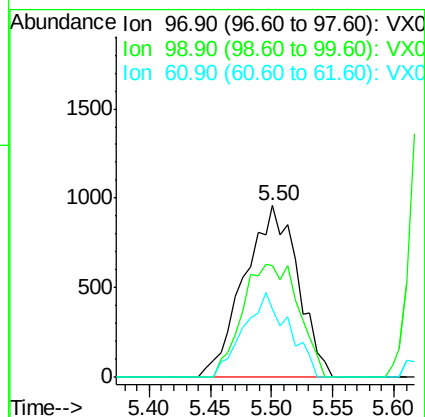
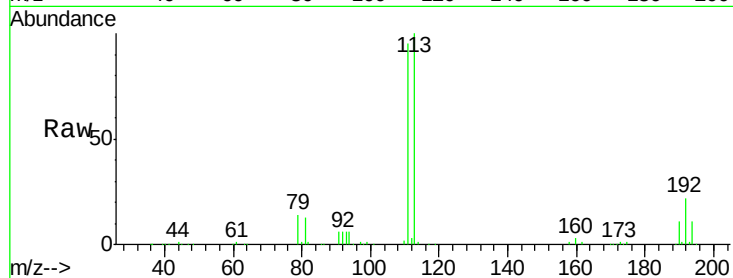




#32
 1,1,1-Trichloroethane
 Concen: 0.58 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX003481.D
 Acq: 19 Jul 2018 23:40

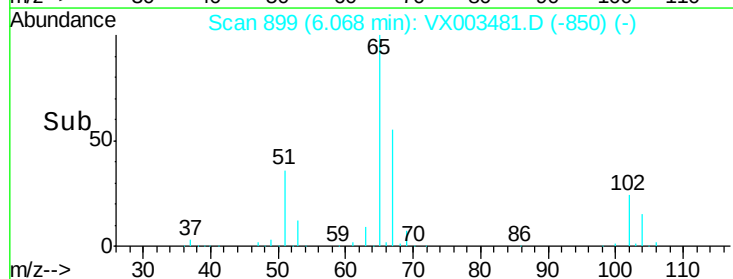
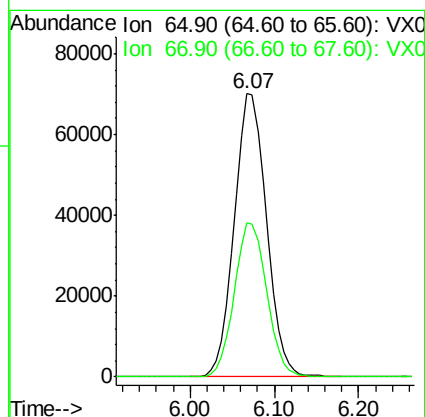
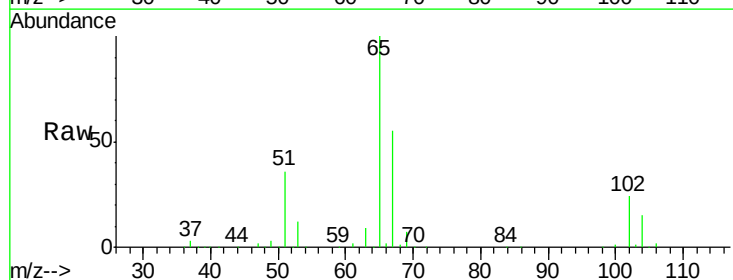
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D1-071018

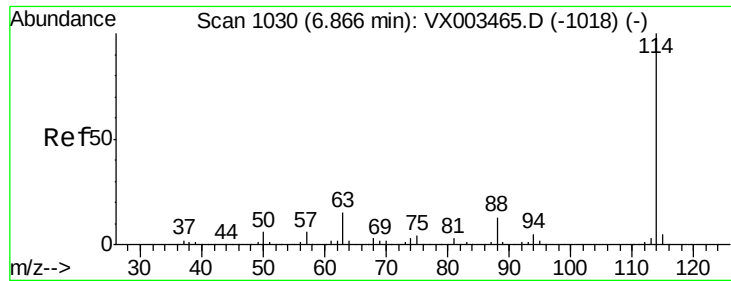
Tot Ion: 97 Resp: 2921
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.6 77.4#
 61 41.7 36.4 54.6



#33
 1,2-Dichloroethane-d4
 Concen: 51.07 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003481.D
 Acq: 19 Jul 2018 23:40

Tgt Ion: 65 Resp: 181785
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003481.D

Acq: 19 Jul 2018 23:40

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-071018

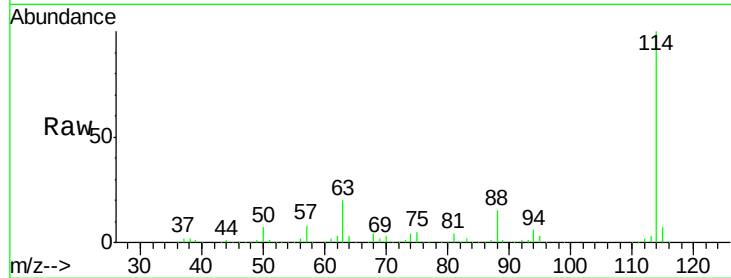
Tot Ion:114 Resp: 442801

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.4

88 15.0 0.0 30.0



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

250000

200000

150000

100000

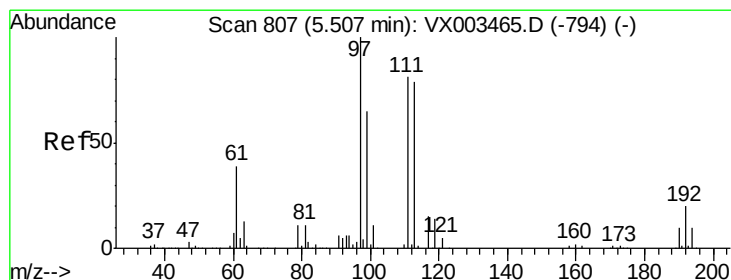
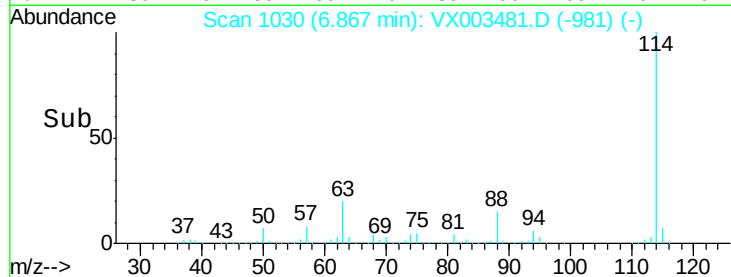
50000

0

6.87

6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 51.10 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003481.D

Acq: 19 Jul 2018 23:40

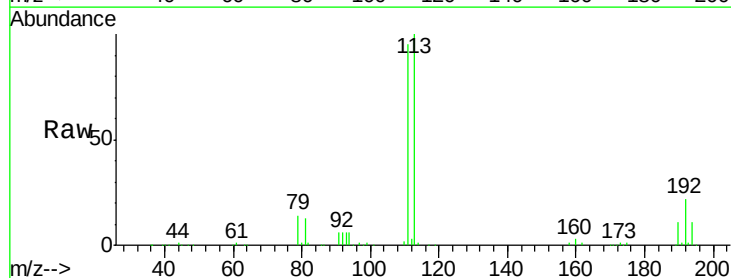
Tgt Ion:113 Resp: 172331

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 24.0 19.1 28.7



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

80000

60000

40000

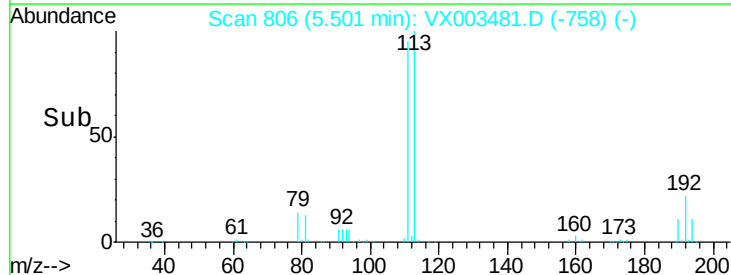
20000

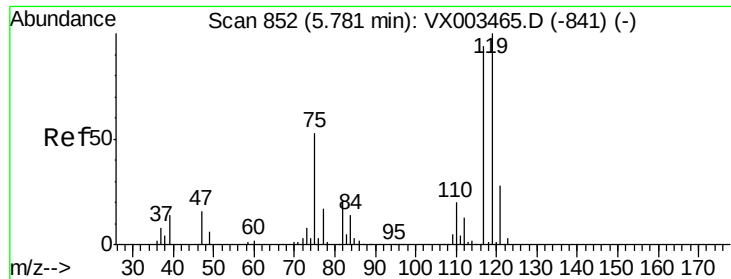
0

5.50

5.40 5.50 5.60

Time-->

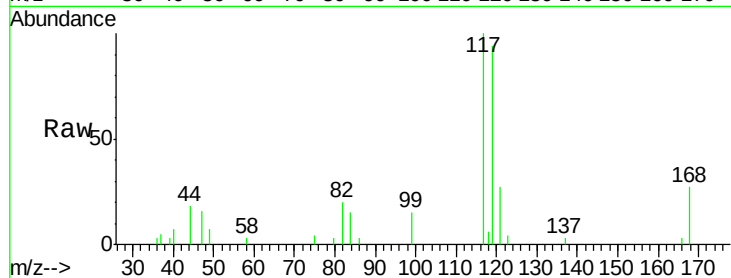




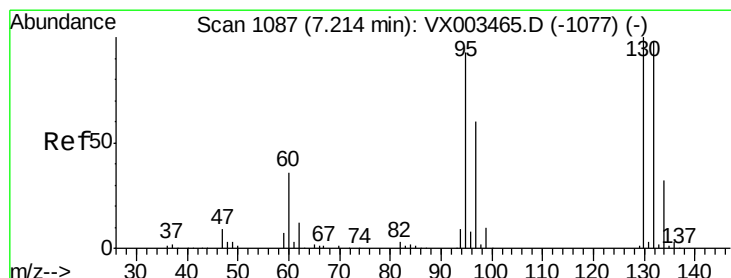
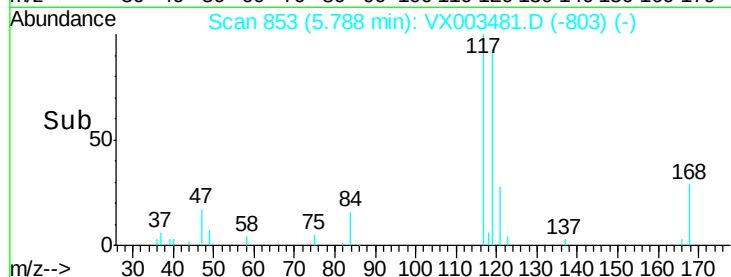
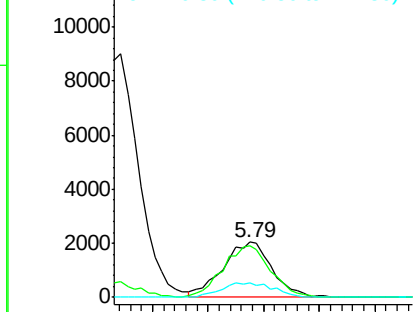
#38
Carbon Tetrachloride
Concen: 1.33 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003481.D
Acq: 19 Jul 2018 23:40

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-071018

Tot Ion:117 Resp: 6223
Ion Ratio Lower Upper
117 100
119 93.6 77.4 116.0
121 26.6 24.4 36.6

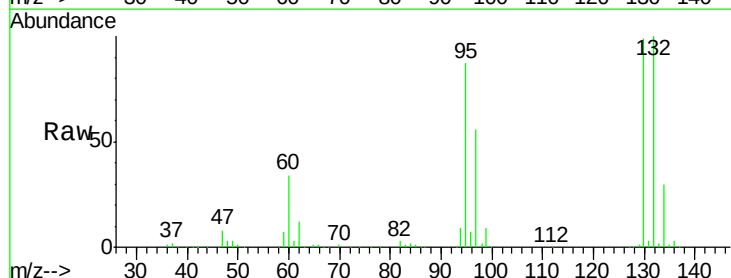


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

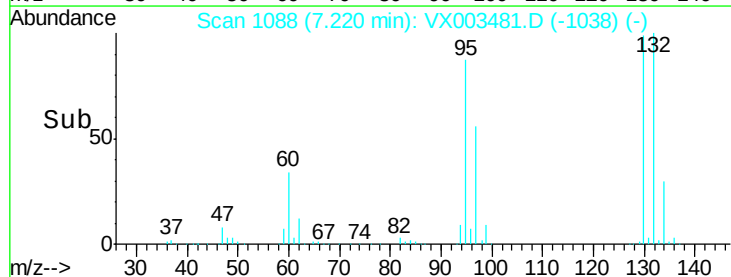
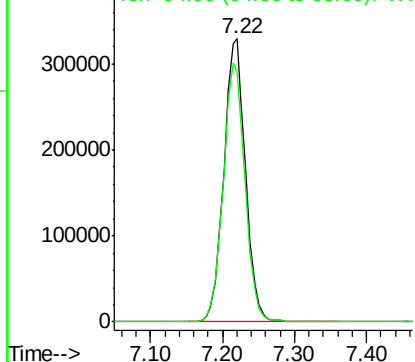


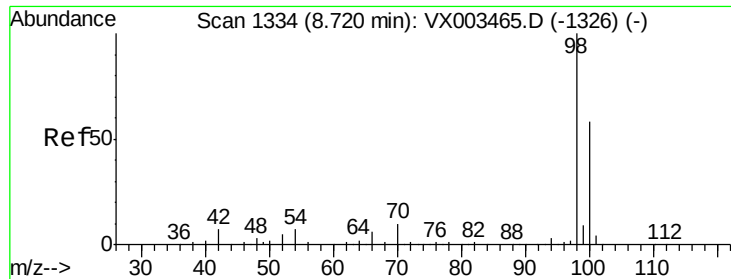
#44
Trichloroethene
Concen: 159.78 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX003481.D
Acq: 19 Jul 2018 23:40

Tgt Ion:130 Resp: 687788
Ion Ratio Lower Upper
130 100
95 88.3 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.62 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003481.D

Acq: 19 Jul 2018 23:40

Instrument :

MSVOA_X

ClientSampleId :

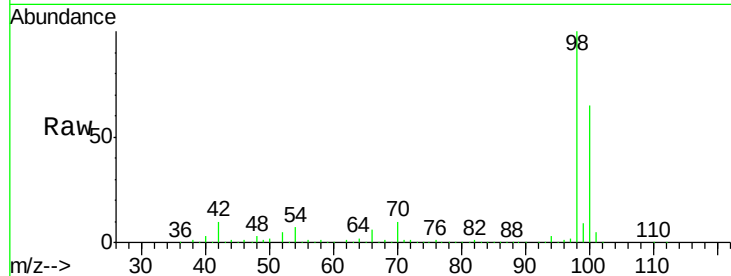
TT101D1-071018

Tot Ion: 98 Resp: 629021

Ion Ratio Lower Upper

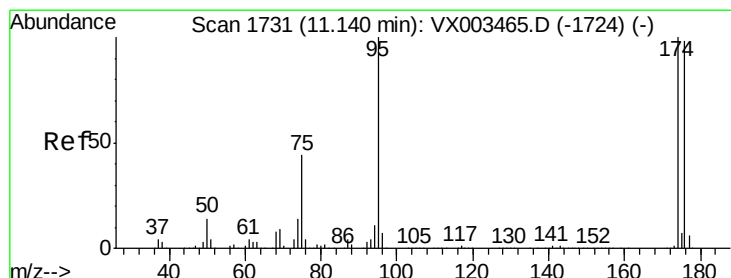
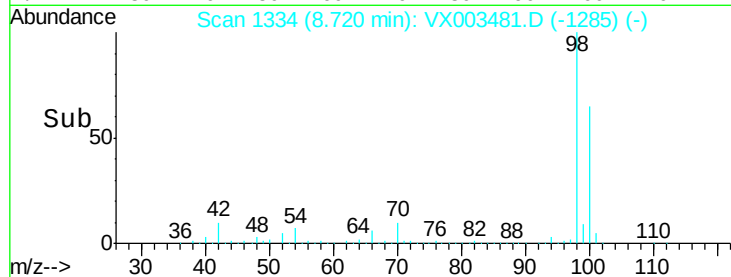
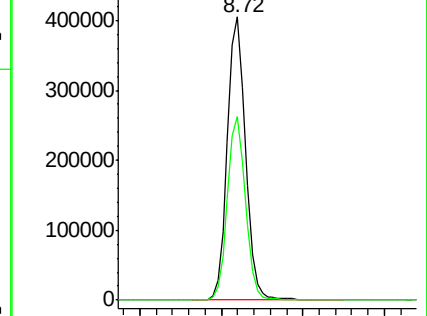
98 100

100 64.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 46.68 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003481.D

Acq: 19 Jul 2018 23:40

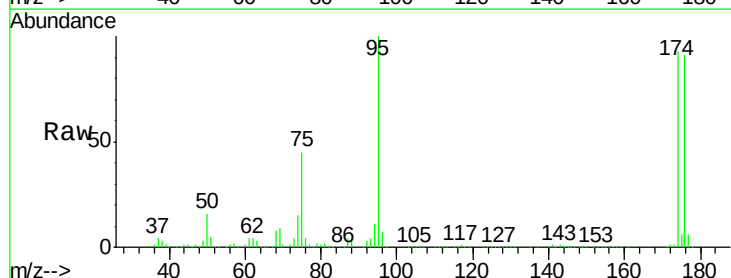
Tgt Ion: 95 Resp: 215932

Ion Ratio Lower Upper

95 100

174 96.2 0.0 187.4

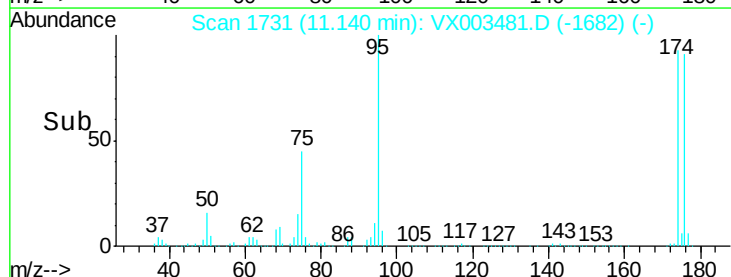
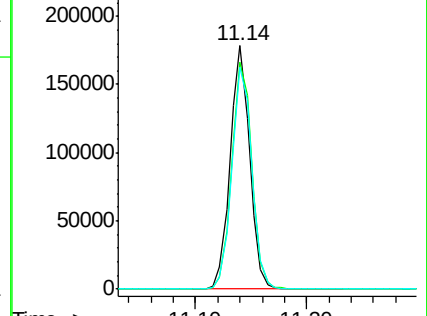
176 93.5 0.0 181.0

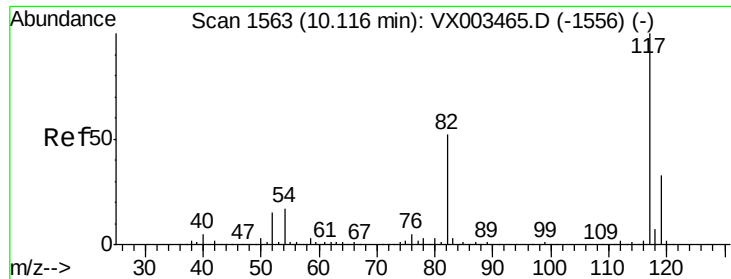


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003481.D

Acq: 19 Jul 2018 23:40

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-071018

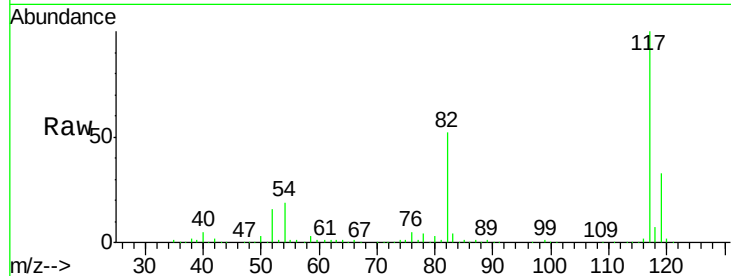
Tot Ion:117 Resp: 417347

Ion Ratio Lower Upper

117 100

82 52.5 45.0 67.4

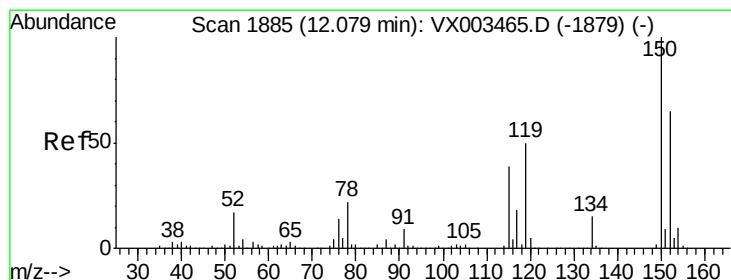
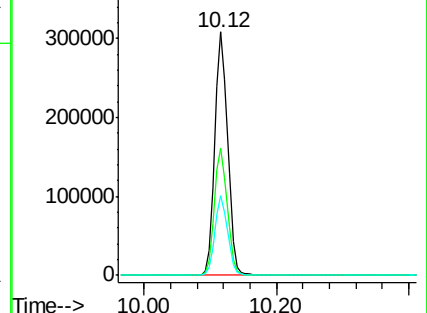
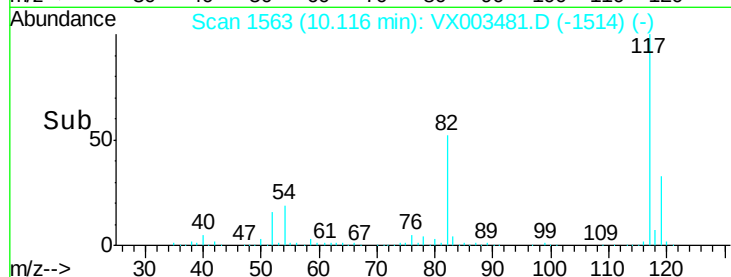
119 32.5 25.8 38.6



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: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003481.D

Acq: 19 Jul 2018 23:40

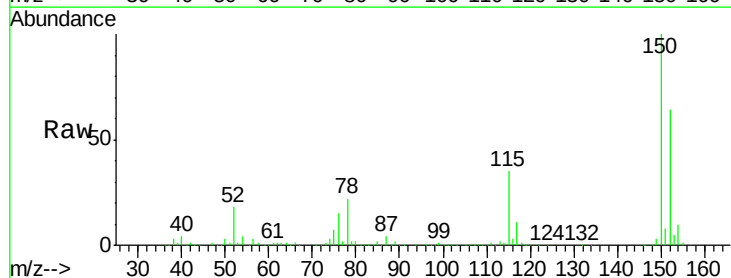
Tgt Ion:152 Resp: 227280

Ion Ratio Lower Upper

152 100

115 54.1 40.1 120.2

150 155.8 0.0 347.2



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

