

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072018\
 Data File : VX003526.D
 Acq On : 20 Jul 2018 23:37
 Operator : JC/SP
 Sample : J3170-02DL 4X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D1-071018DL

Quant Time: Jul 21 03:44:06 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	288400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	425015	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	396209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	222223	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	181885	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
35) Dibromofluoromethane	5.50	113	161535	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	8.72	98	608163	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.14	95	207026	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	

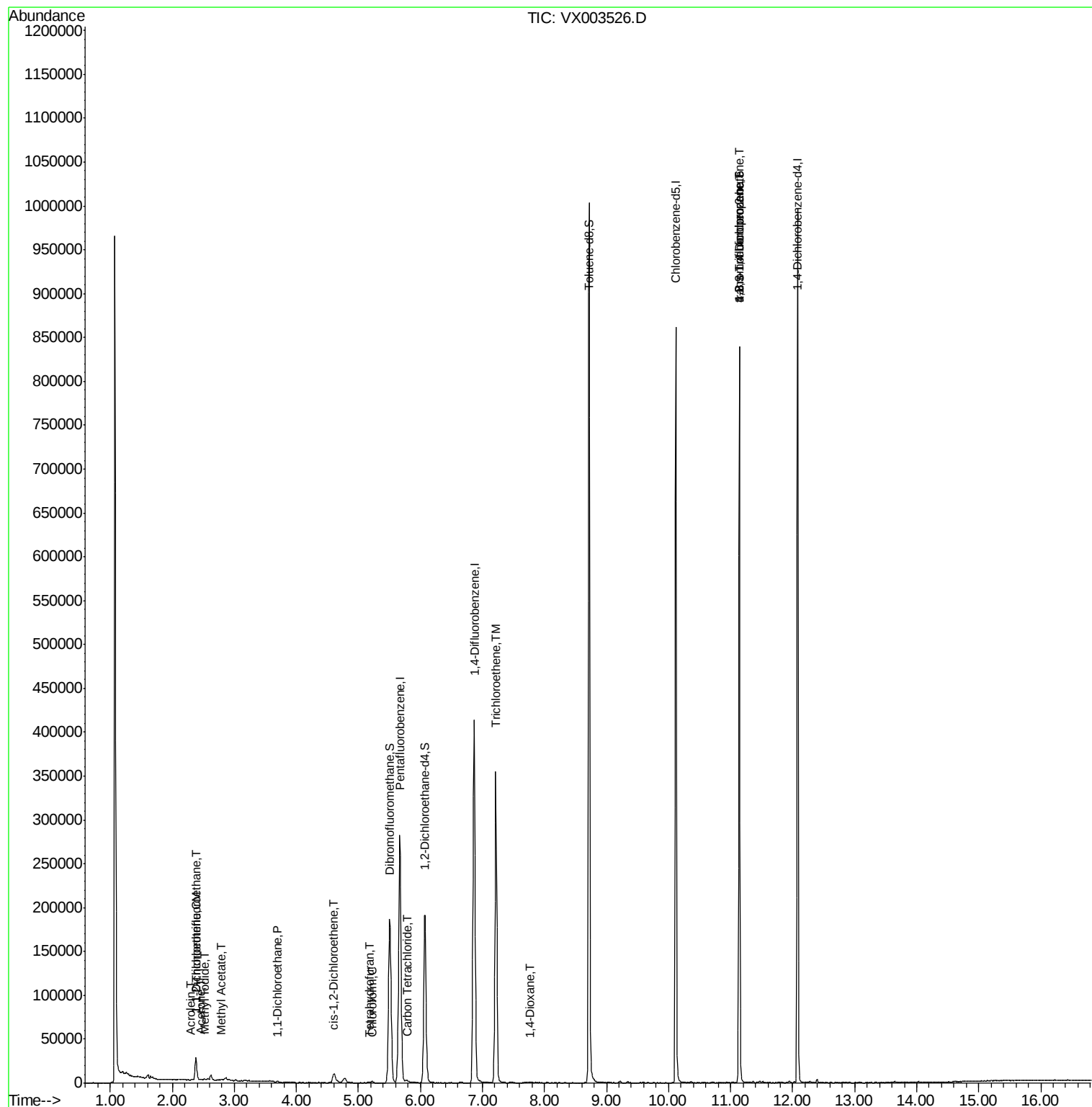
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	843	Below Cal		95
3) Chloromethane	1.32	50	607	Below Cal		93
5) Bromomethane	1.65	94	1584	Below Cal		94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	7287	2.28	ug/l	99
10) Methyl Iodide	2.52	142	1571	0.41	ug/l	97
12) 1,1-Dichloroethene	2.37	96	3791	1.29	ug/l #	93
13) Acrolein	2.30	56	95	0.31	ug/l #	72
16) Acetone	2.45	43	1079	0.84	ug/l #	80
18) Methyl Acetate	2.79	43	1002	0.25	ug/l #	70
20) Methylene Chloride	2.86	84	1329	Below Cal		90
24) 1,1-Dichloroethane	3.70	63	1602	0.28	ug/l #	83
27) cis-1,2-Dichloroethene	4.59	96	2103	0.58	ug/l #	1
29) Tetrahydrofuran	5.18	42	476	0.33	ug/l #	63
30) Chloroform	5.21	83	1425	0.25	ug/l	97
38) Carbon Tetrachloride	5.78	117	1570	0.35	ug/l	94
44) Trichloroethene	7.21	130	142679	34.53	ug/l	98
49) 1,4-Dioxane	7.77	88	315	3.99	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	99204	24.85	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	99204	69.60	ug/l #	7

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072018\
Data File : VX003526.D
Acq On : 20 Jul 2018 23:37
Operator : JC/SP
Sample : J3170-02DL 4X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-071018DL

Quant Time: Jul 21 03:44:06 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
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# 833

Delta R.T. 0.00 min

Lab File: VX003526.D

Acq: 20 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

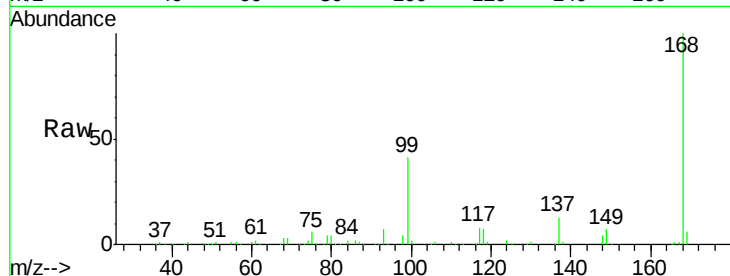
TT101D1-071018DL

Tot Ion:168 Resp: 288400

Ion Ratio Lower Upper

168 100

99 40.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

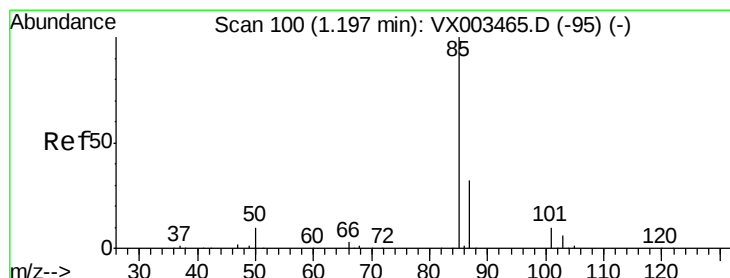
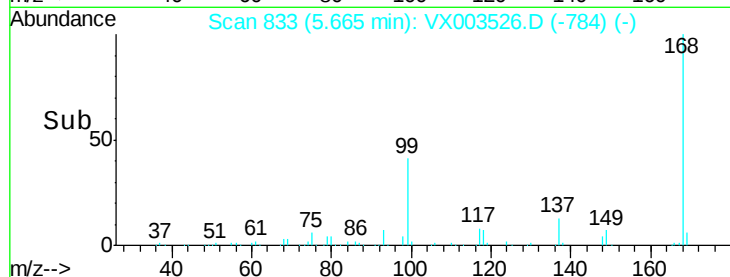
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003526.D

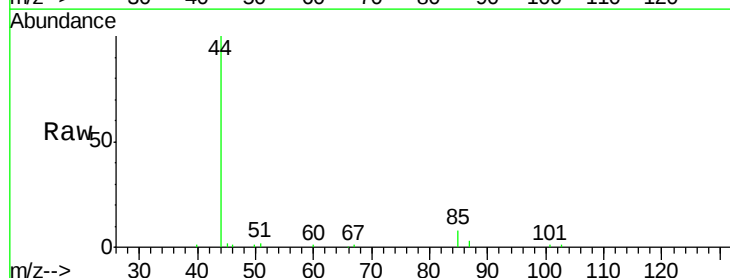
Acq: 20 Jul 2018 23:37

Tgt Ion: 85 Resp: 843

Ion Ratio Lower Upper

85 100

87 34.8 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

1000

800

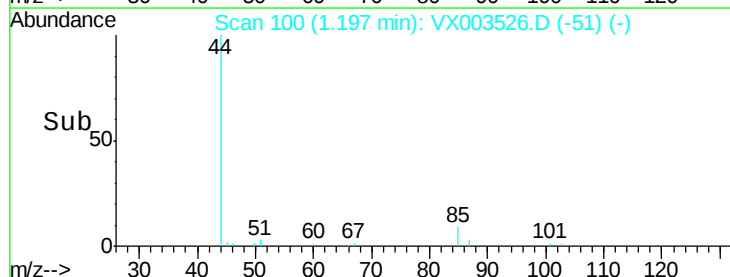
600

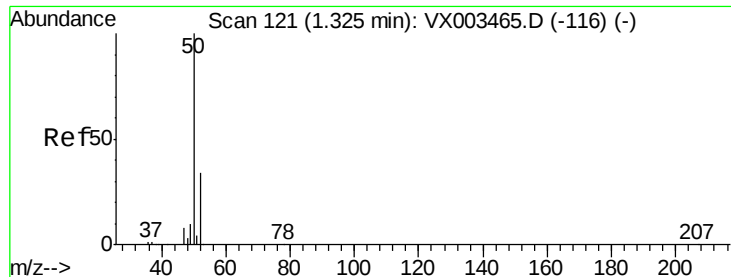
400

200

0

Time--> 1.15 1.20





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003526.D

Acq: 20 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

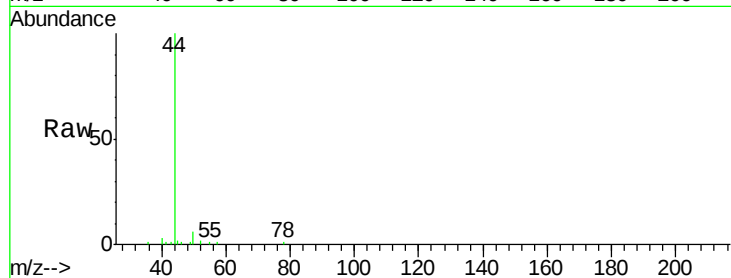
TT101D1-071018DL

Tot Ion: 50 Resp: 607

Ion Ratio Lower Upper

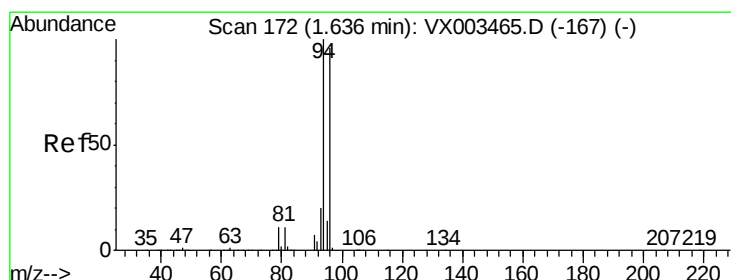
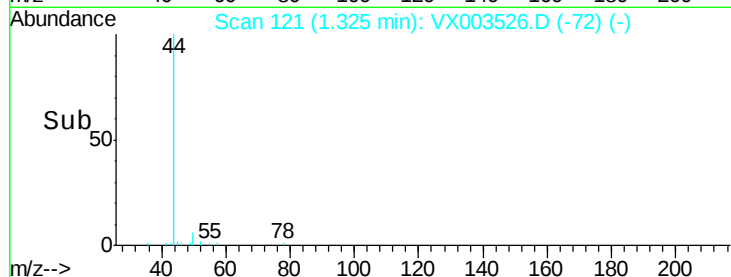
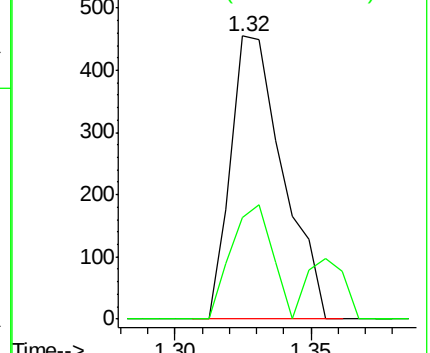
50 100

52 36.0 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003526.D

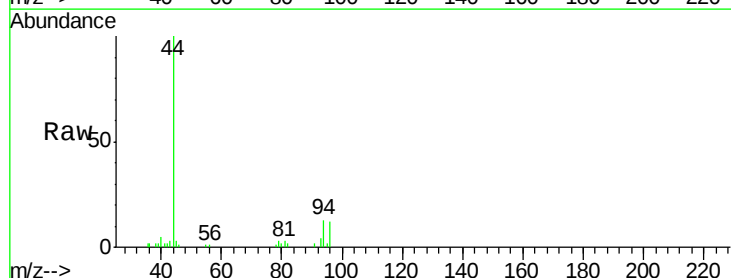
Acq: 20 Jul 2018 23:37

Tgt Ion: 94 Resp: 1584

Ion Ratio Lower Upper

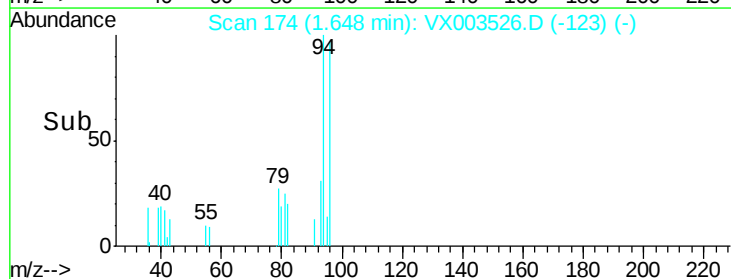
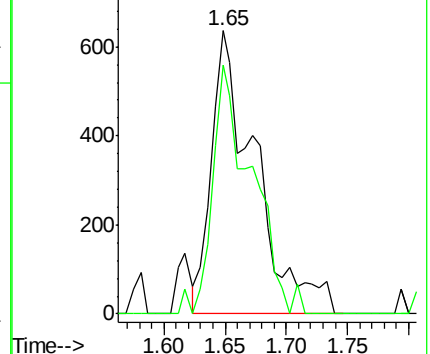
94 100

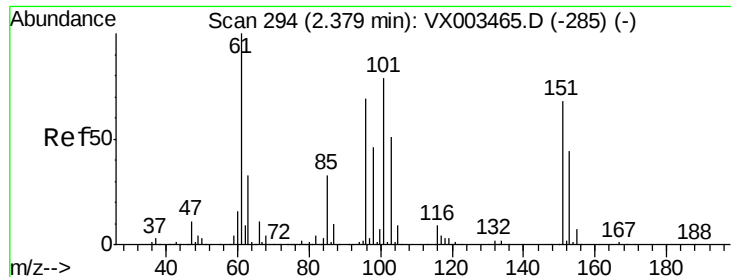
96 87.7 74.9 112.3



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: 2.28 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003526.D

Acq: 20 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-071018DL

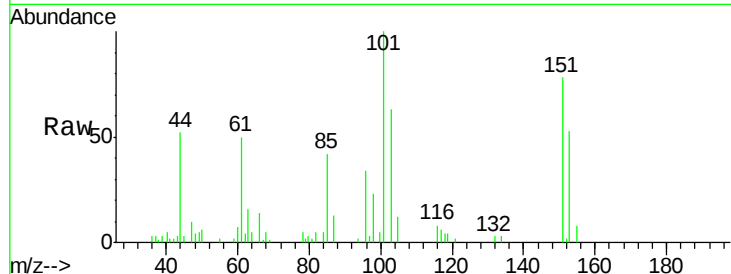
Tot Ion:101 Resp: 7287

Ion Ratio Lower Upper

101 100

85 43.3 36.0 54.0

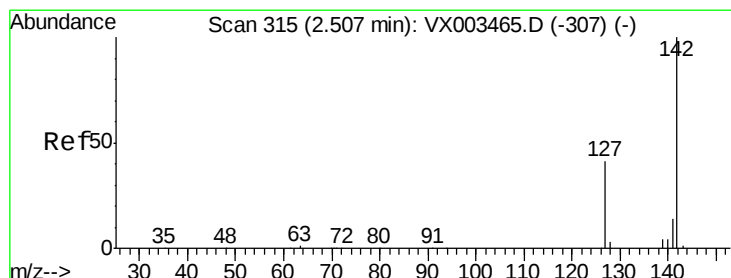
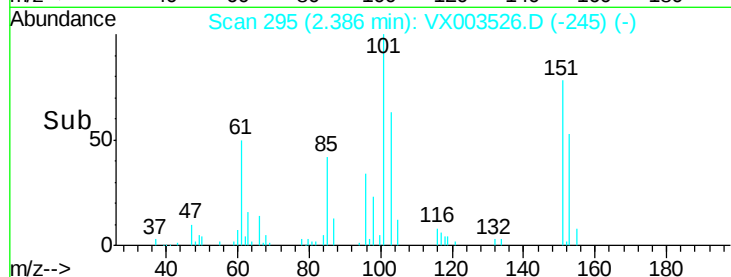
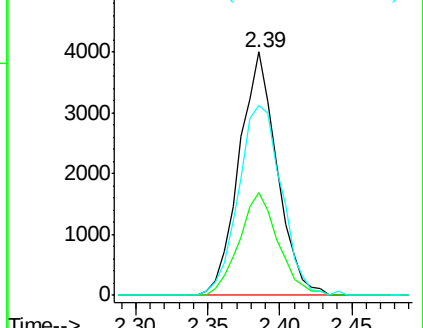
151 88.8 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.41 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003526.D

Acq: 20 Jul 2018 23:37

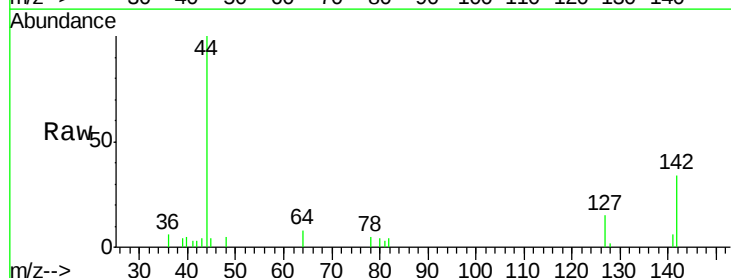
Tgt Ion:142 Resp: 1571

Ion Ratio Lower Upper

142 100

127 44.0 36.6 55.0

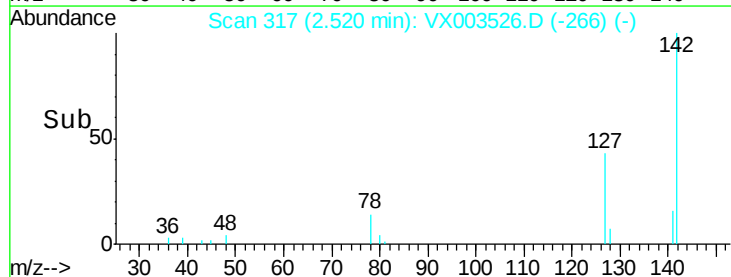
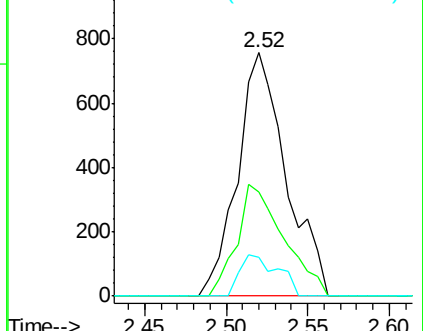
141 13.0 11.3 16.9

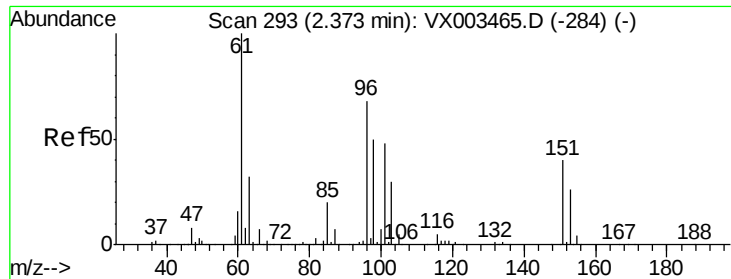


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#12

1,1-Dichloroethene

Concen: 1.29 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX003526.D

Acq: 20 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-071018DL

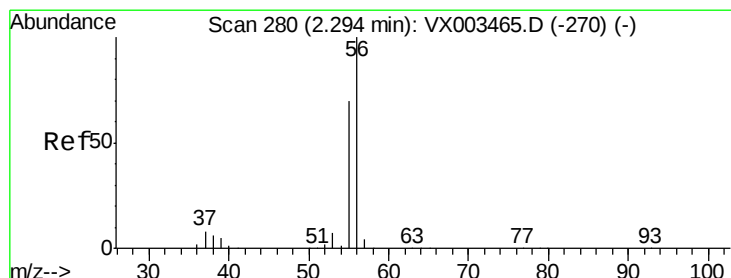
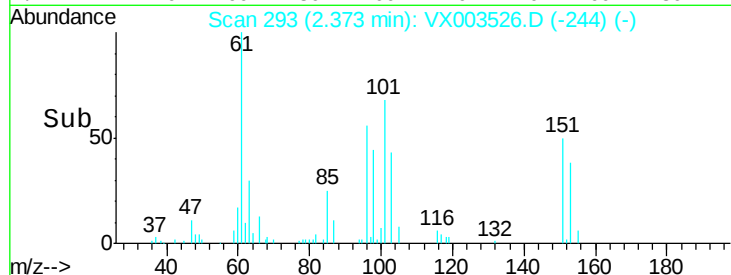
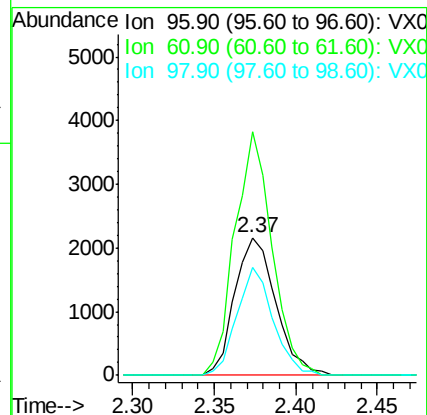
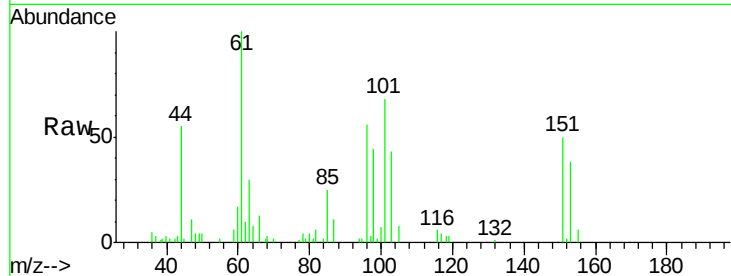
Tot Ion: 96 Resp: 3791

Ion Ratio Lower Upper

96 100

61 177.2 137.9 206.9

98 78.5 51.6 77.4#



#13

Acrolein

Concen: 0.31 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003526.D

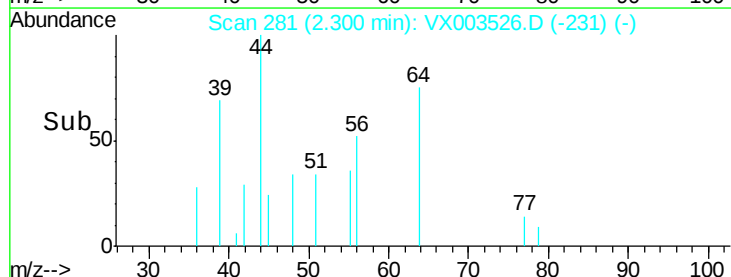
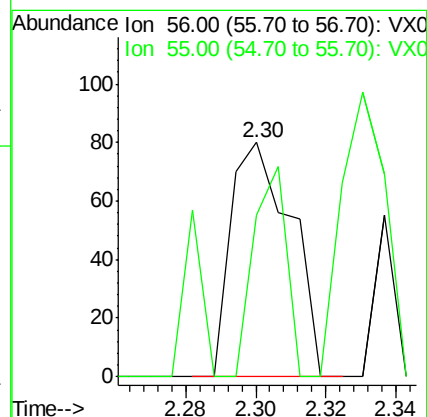
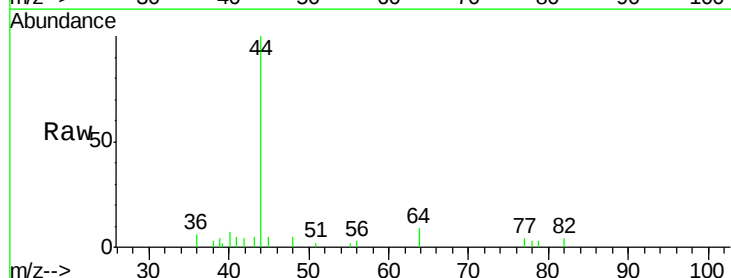
Acq: 20 Jul 2018 23:37

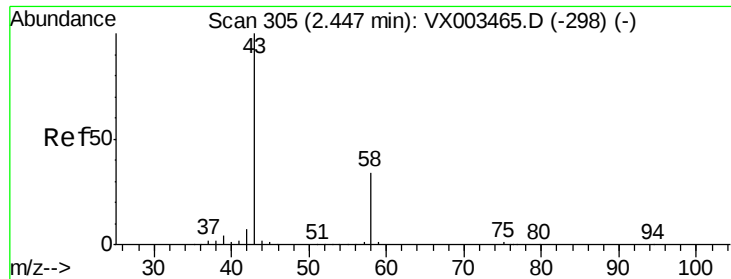
Tgt Ion: 56 Resp: 95

Ion Ratio Lower Upper

56 100

55 48.4 57.0 85.4#





#16

Acetone

Concen: 0.84 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003526.D

Acq: 20 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

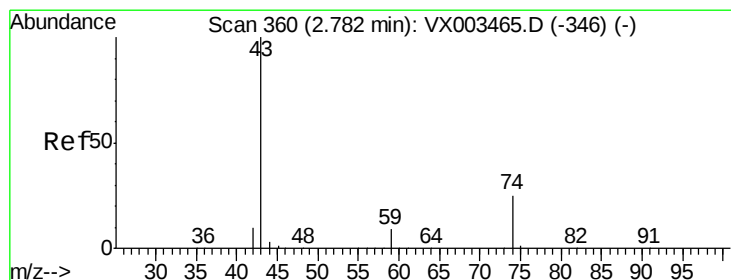
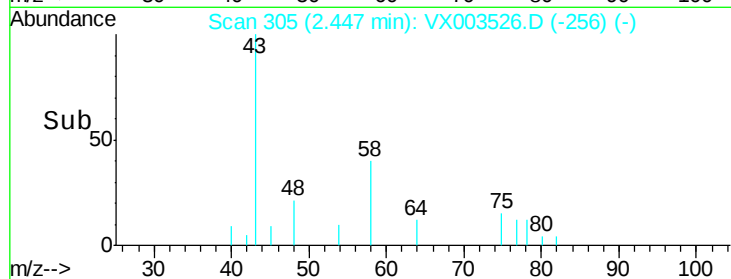
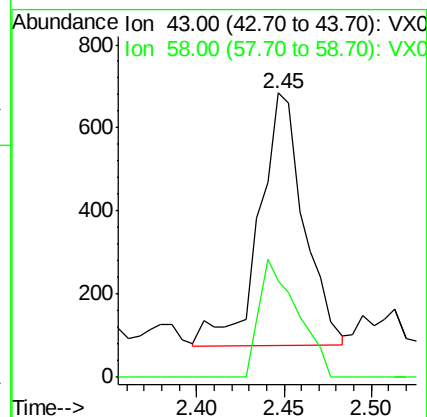
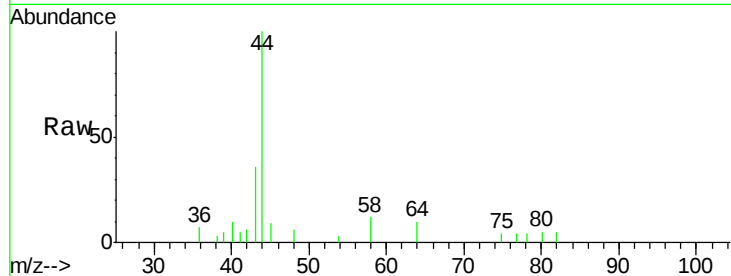
TT101D1-071018DL

Tot Ion: 43 Resp: 1079

Ion Ratio Lower Upper

43 100

58 38.3 22.1 33.1#



#18

Methyl Acetate

Concen: 0.25 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX003526.D

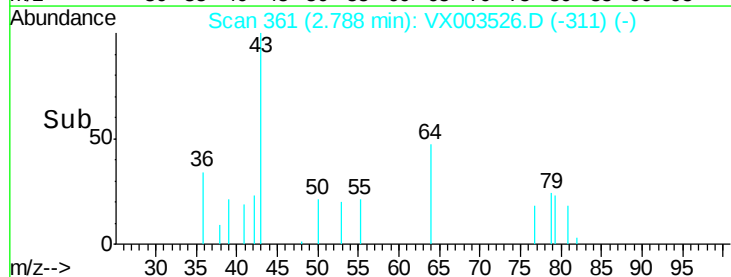
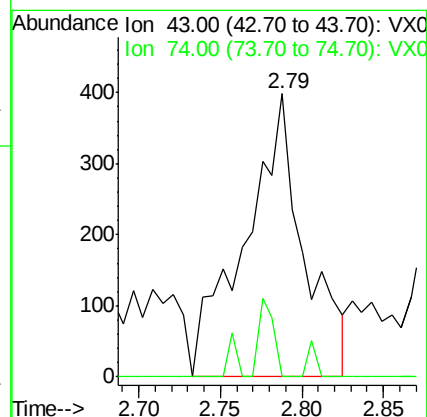
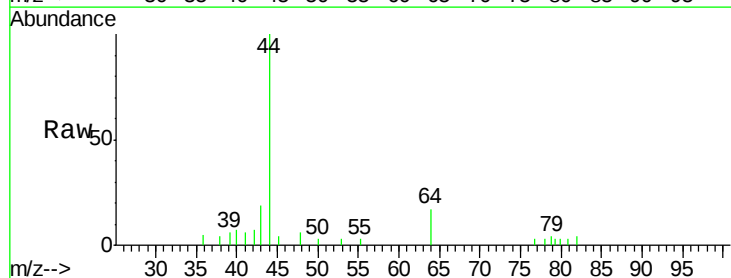
Acq: 20 Jul 2018 23:37

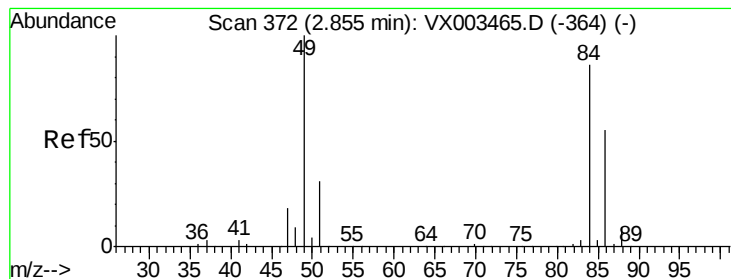
Tgt Ion: 43 Resp: 1002

Ion Ratio Lower Upper

43 100

74 7.1 16.7 25.1#





#20

Methvlene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003526.D

Acq: 20 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-071018DL

Tot Ion: 84 Resp: 1329

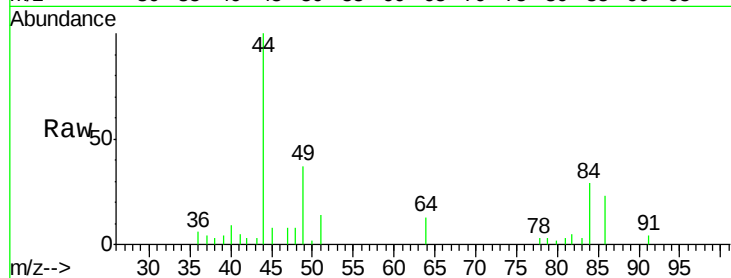
Ion Ratio Lower Upper

84 100

49 127.5 107.8 161.6

51 49.0 32.8 49.2

86 77.8 52.5 78.7

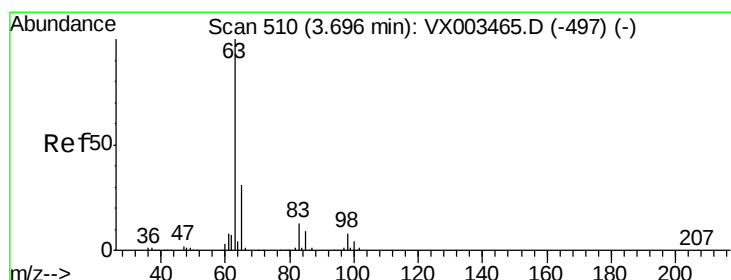
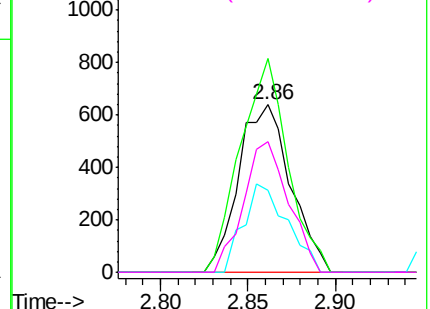
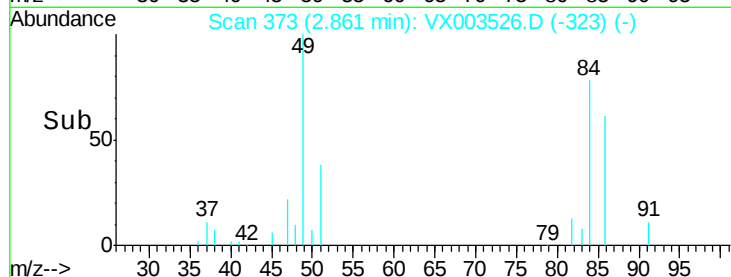


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#24

1,1-Dichloroethane

Concen: 0.28 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003526.D

Acq: 20 Jul 2018 23:37

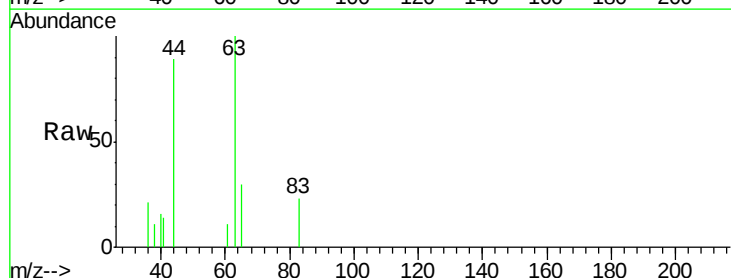
Tgt Ion: 63 Resp: 1602

Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.2#

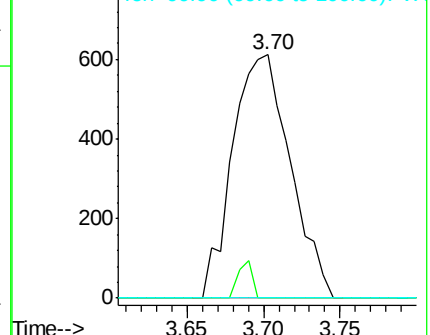
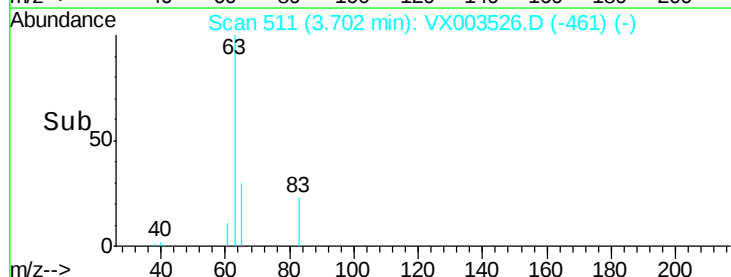
100 0.0 2.0 6.0#

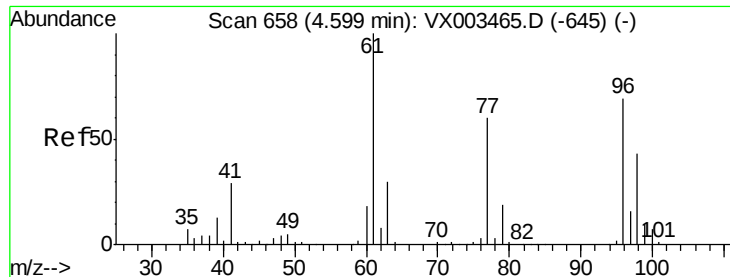


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 0.58 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX003526.D

Acq: 20 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-071018DL

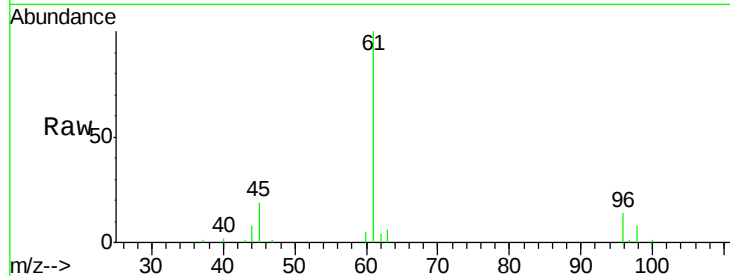
Tot Ion: 96 Resp: 2103

Ion Ratio Lower Upper

96 100

61 1224.9 0.0 330.2#

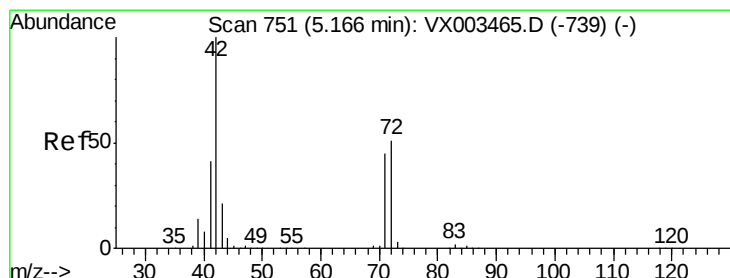
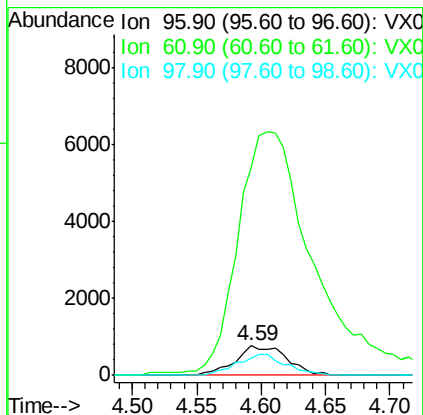
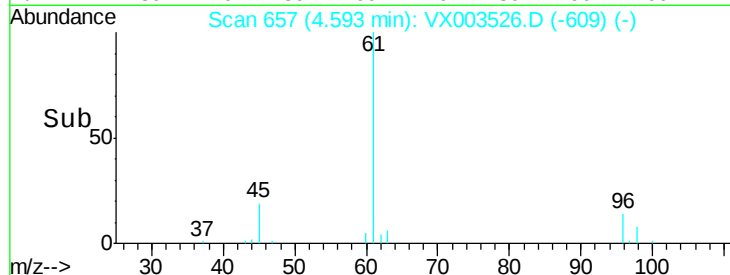
98 68.4 0.0 130.2



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



#29

Tetrahydrofuran

Concen: 0.33 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003526.D

Acq: 20 Jul 2018 23:37

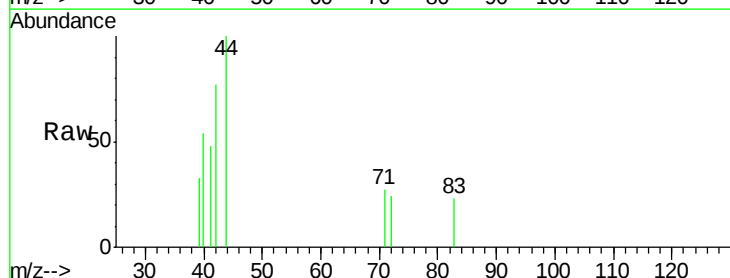
Tgt Ion: 42 Resp: 476

Ion Ratio Lower Upper

42 100

72 32.4 32.0 48.0

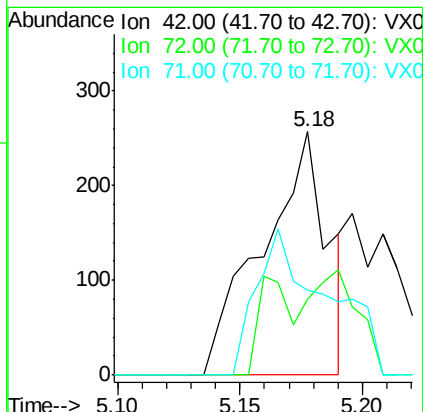
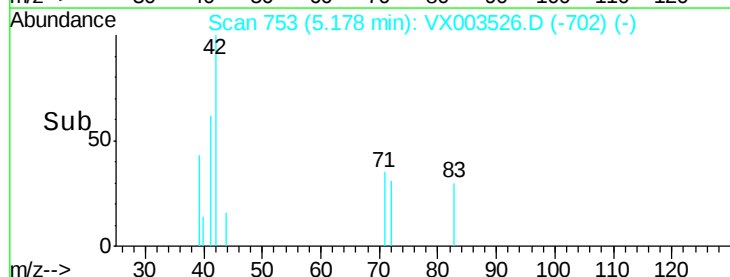
71 0.0 30.1 45.1#

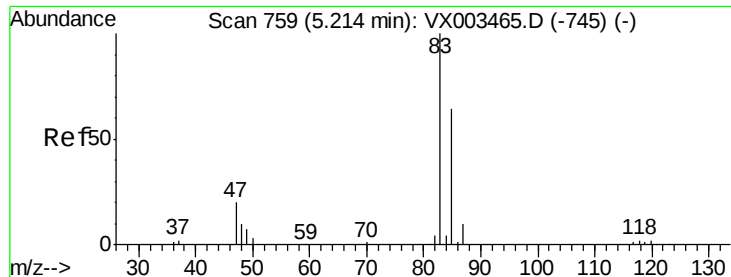


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

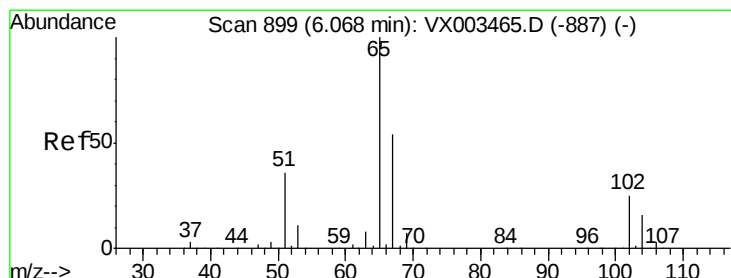
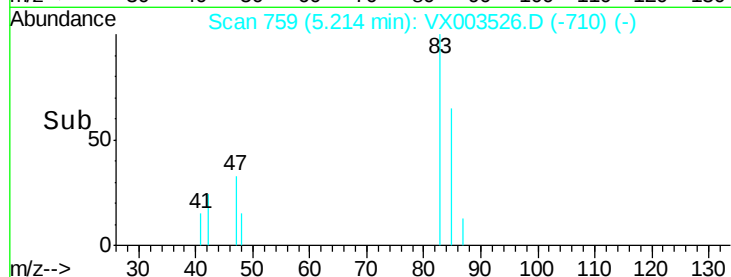
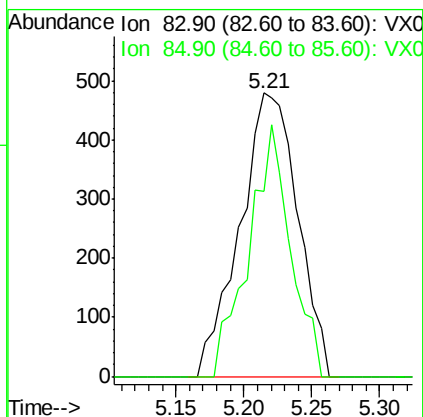
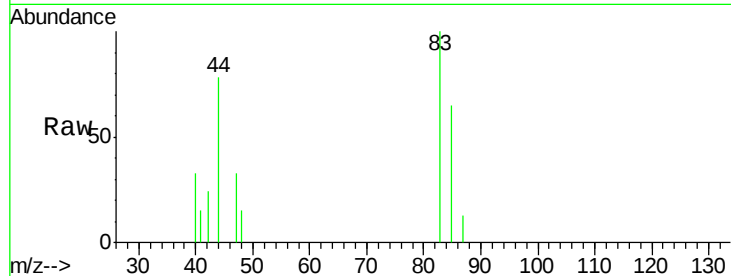




#30
Chloroform
Concen: 0.25 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003526.D
Acq: 20 Jul 2018 23:37

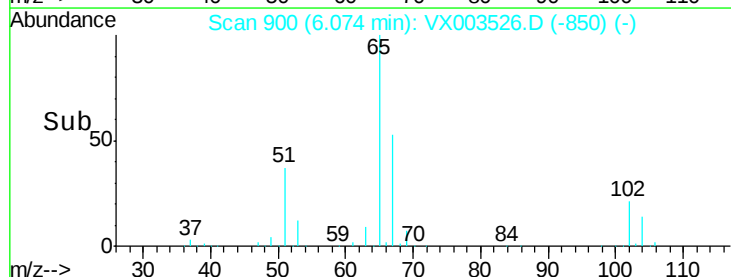
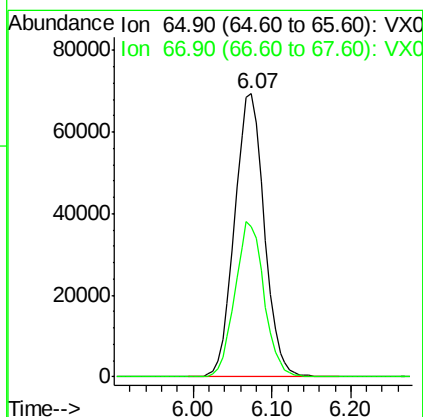
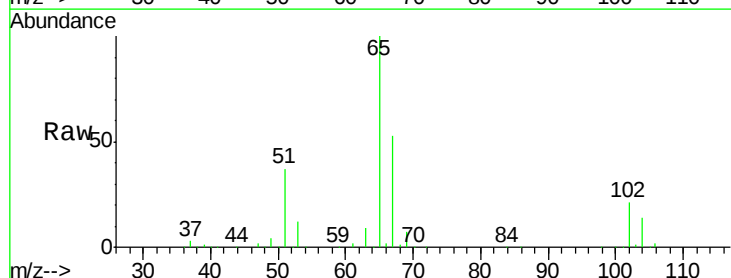
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-071018DL

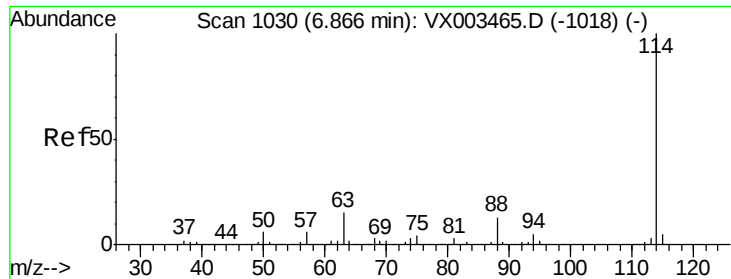
Tot Ion: 83 Resp: 1425
Ion Ratio Lower Upper
83 100
85 65.1 50.4 75.6



#33
1,2-Dichloroethane-d4
Concen: 53.28 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX003526.D
Acq: 20 Jul 2018 23:37

Tgt Ion: 65 Resp: 181885
Ion Ratio Lower Upper
65 100
67 53.8 0.0 102.6

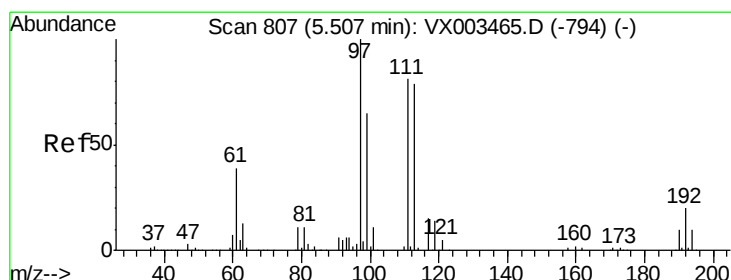
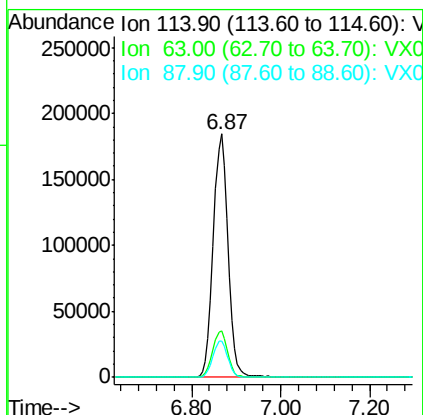
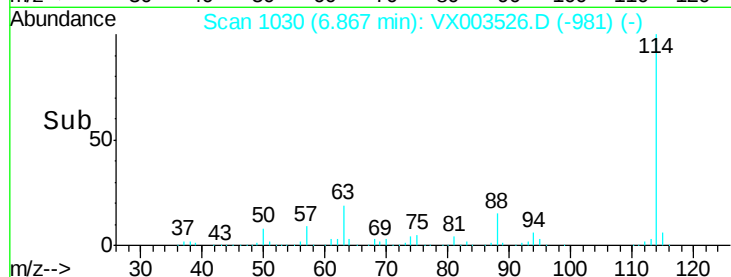
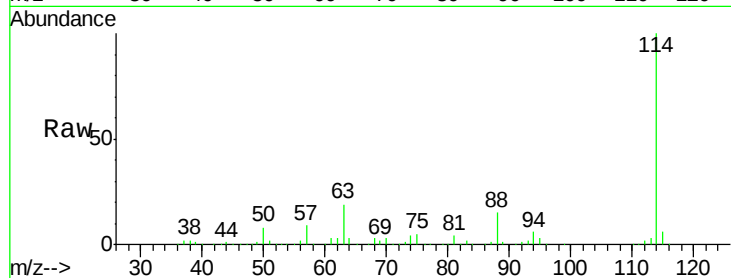




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003526.D
 Acq: 20 Jul 2018 23:37

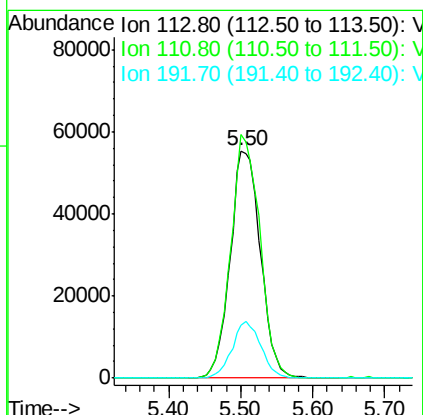
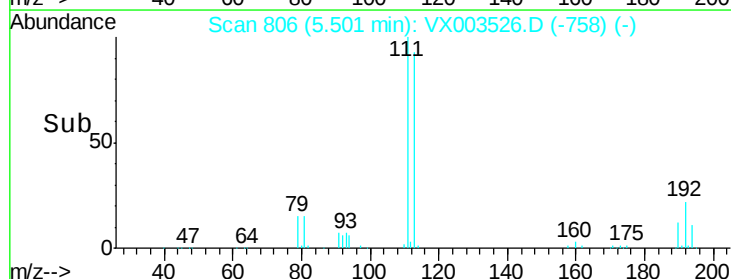
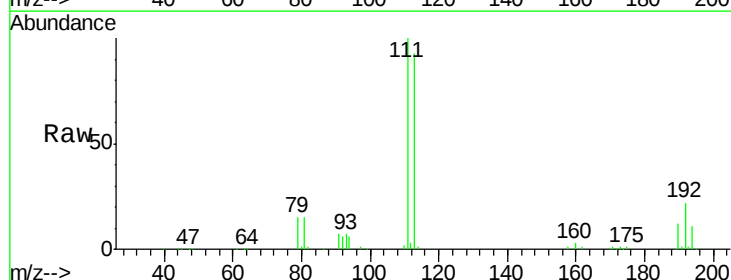
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D1-071018DL

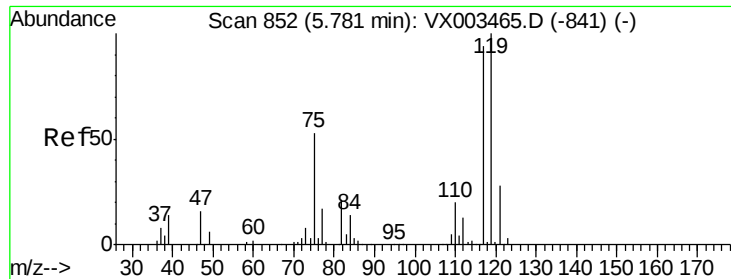
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	41.4
88	14.8	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 49.90 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX003526.D
 Acq: 20 Jul 2018 23:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.4	122.0
192	23.7	19.1	28.7

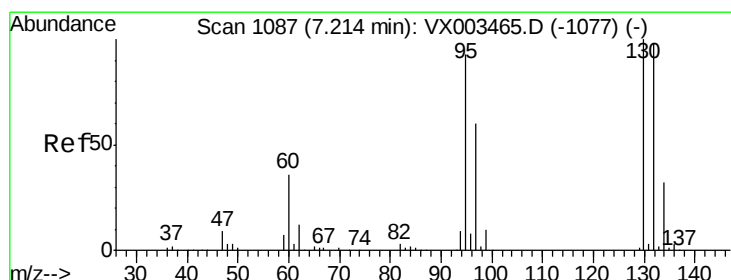
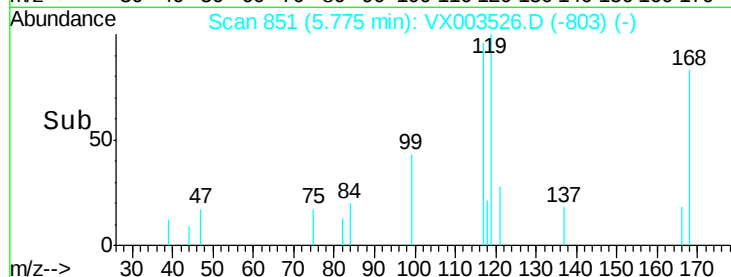
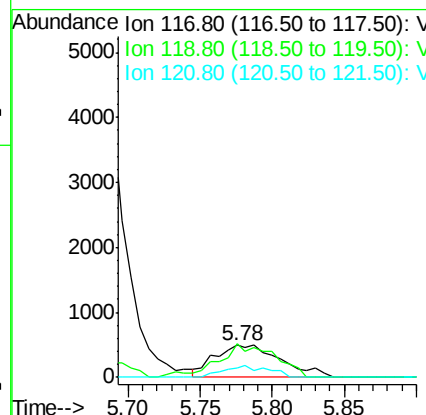
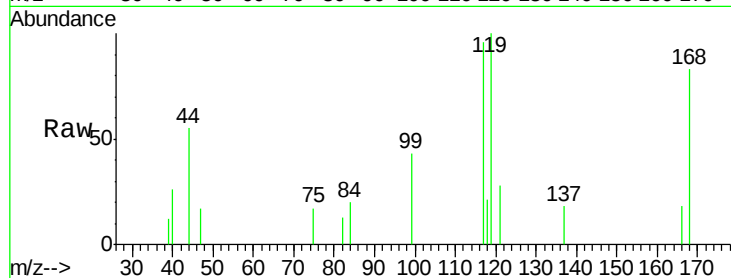




#38
Carbon Tetrachloride
Concen: 0.35 ug/l
RT: 5.78 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX003526.D
Acq: 20 Jul 2018 23:37

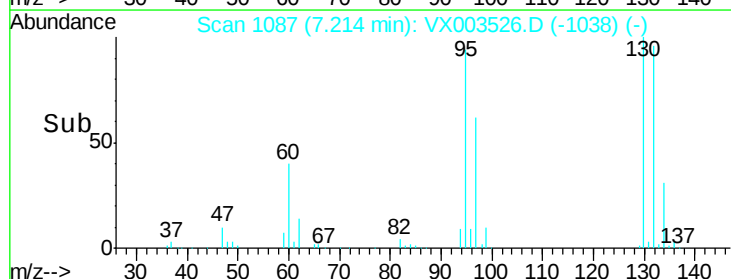
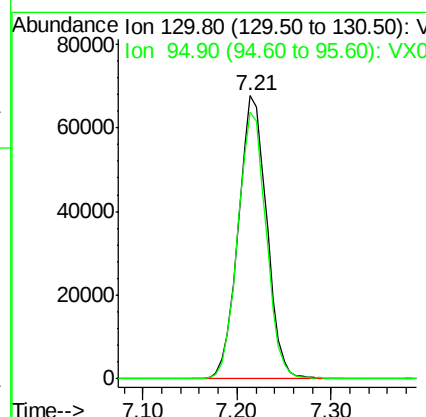
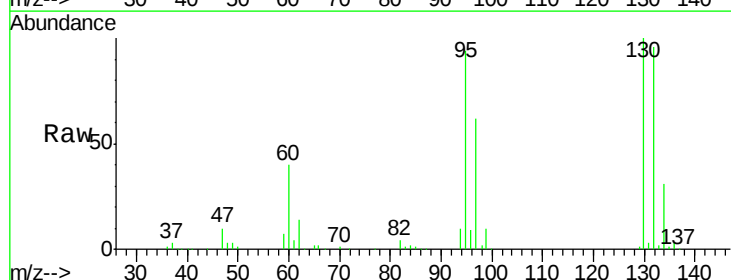
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-071018DL

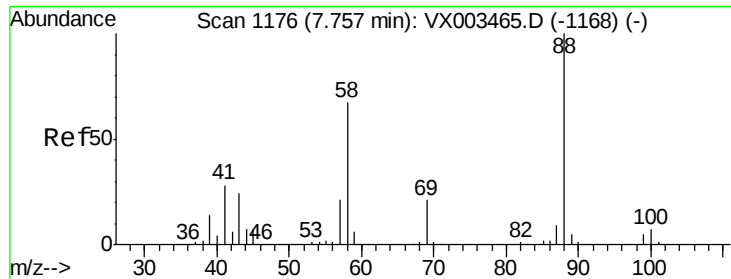
Tot Ion:117 Resp: 1570
Ion Ratio Lower Upper
117 100
119 104.2 77.4 116.0
121 29.0 24.4 36.6



#44
Trichloroethene
Concen: 34.53 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX003526.D
Acq: 20 Jul 2018 23:37

Tgt Ion:130 Resp: 142679
Ion Ratio Lower Upper
130 100
95 94.4 0.0 185.4

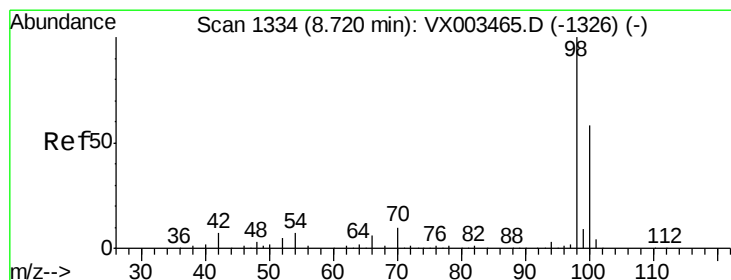
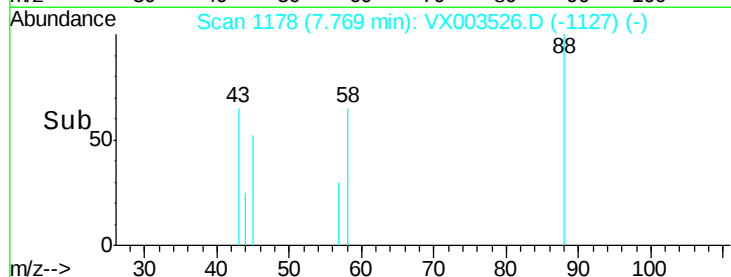
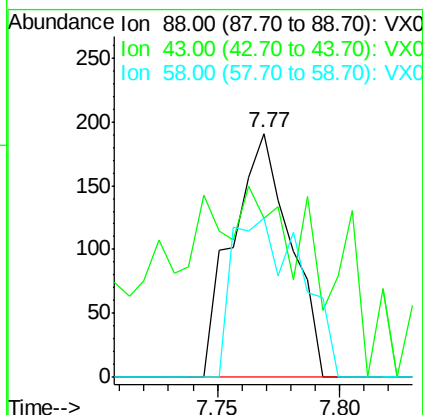
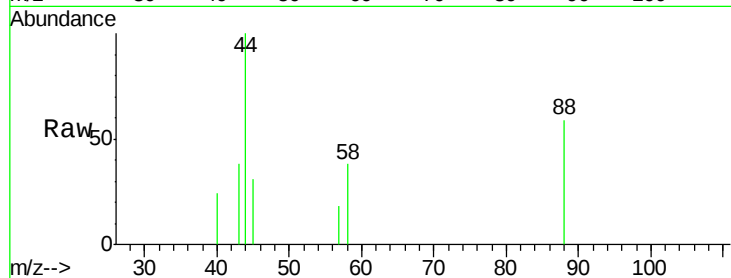




#49
1,4-Dioxane
Concen: 3.99 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX003526.D
Acq: 20 Jul 2018 23:37

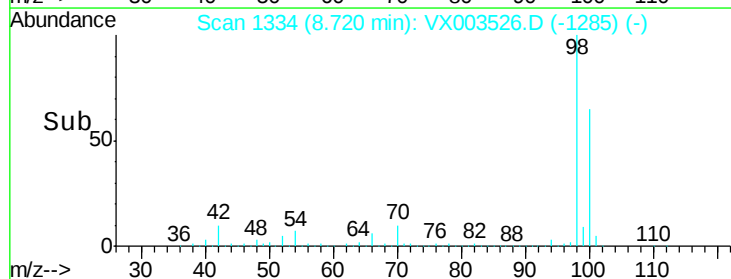
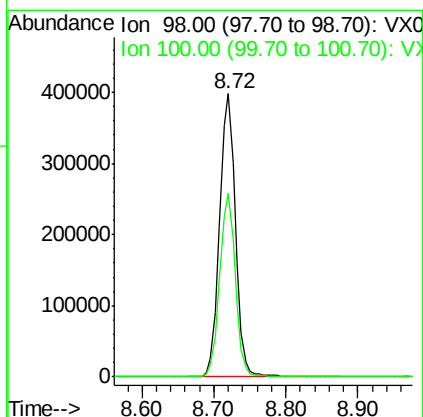
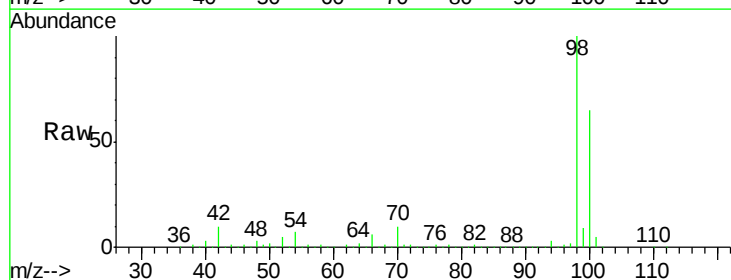
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-071018DL

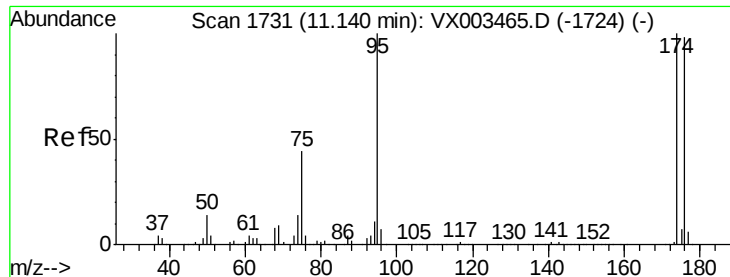
Tot Ion: 88 Resp: 315
Ion Ratio Lower Upper
88 100
43 200.6 29.8 44.6#
58 78.4 57.1 85.7



#50
Toluene-d8
Concen: 49.98 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003526.D
Acq: 20 Jul 2018 23:37

Tgt Ion: 98 Resp: 608163
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3

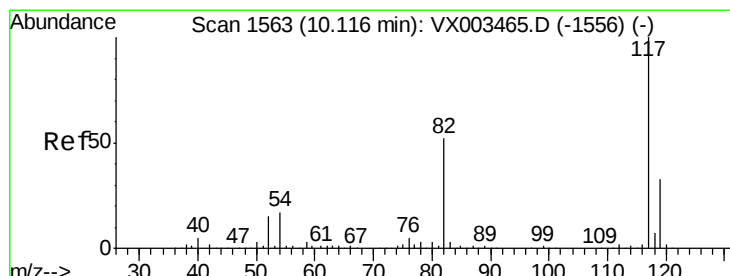
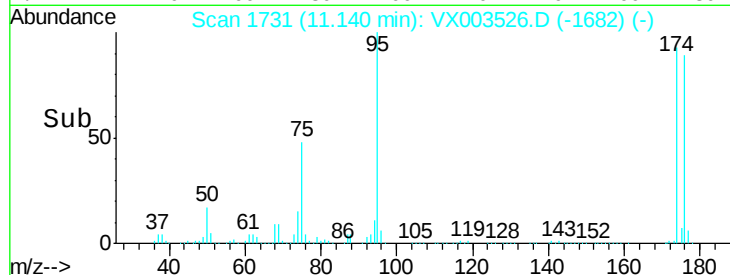
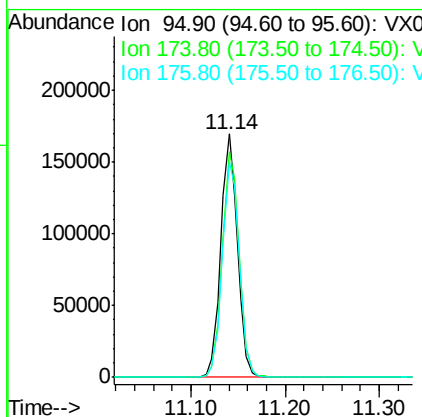
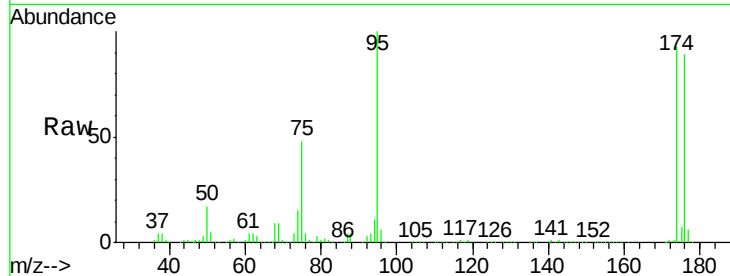




#62
4-Bromofluorobenzene
Concen: 46.62 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003526.D
Acq: 20 Jul 2018 23:37

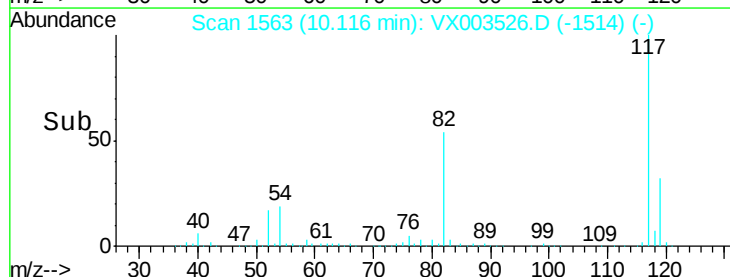
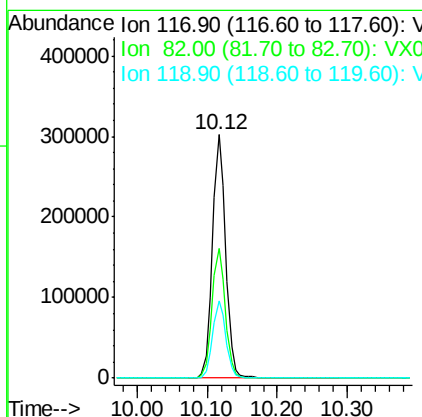
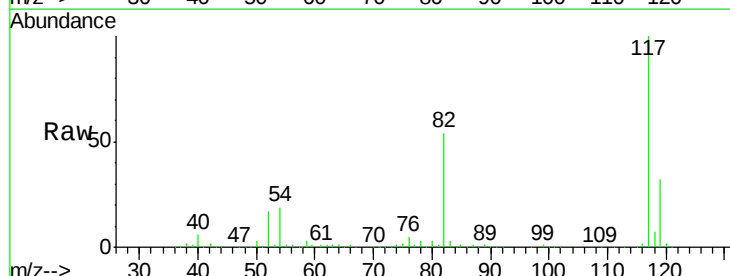
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-071018DL

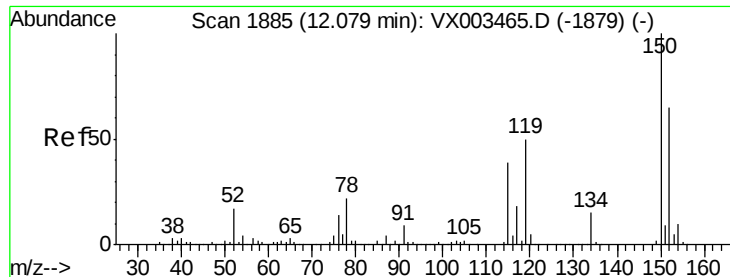
Tot Ion: 95 Resp: 207026
Ion Ratio Lower Upper
95 100
174 94.7 0.0 187.4
176 90.4 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003526.D
Acq: 20 Jul 2018 23:37

Tgt Ion: 117 Resp: 396209
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.4
119 31.9 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003526.D

Acq: 20 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-071018DL

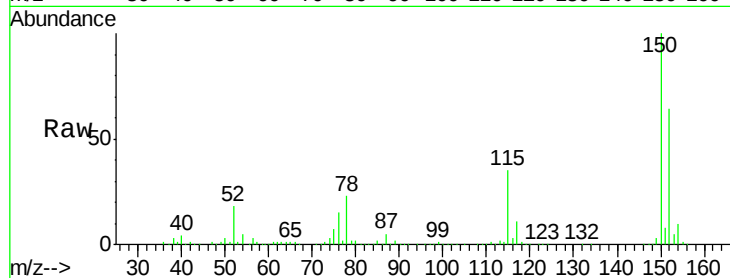
Tot Ion:152 Resp: 222223

Ion Ratio Lower Upper

152 100

115 53.8 40.1 120.2

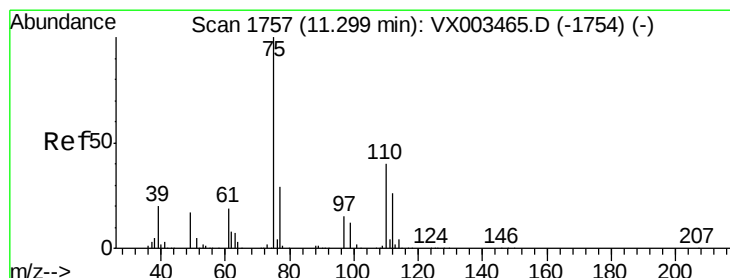
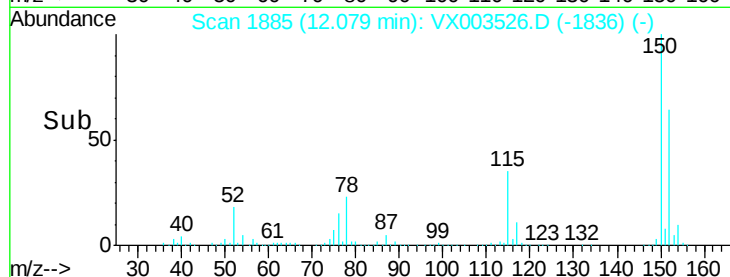
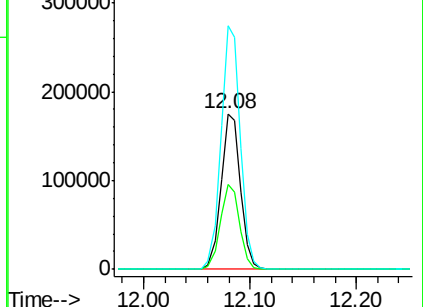
150 155.9 0.0 347.2



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



#76

1,2,3-Trichloropropane

Concen: 24.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003526.D

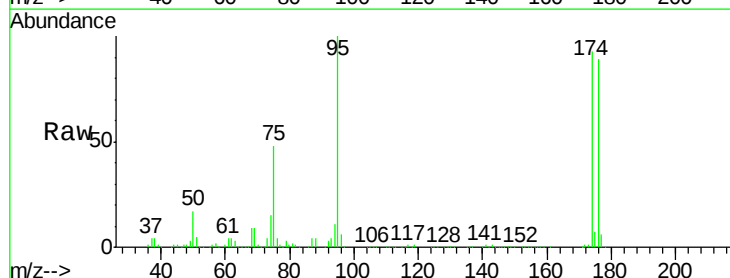
Acq: 20 Jul 2018 23:37

Tgt Ion: 75 Resp: 99204

Ion Ratio Lower Upper

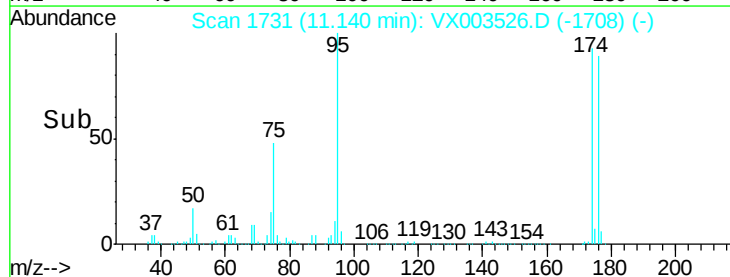
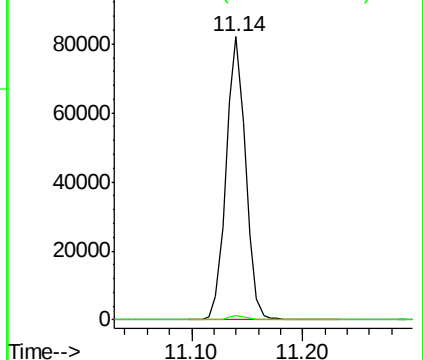
75 100

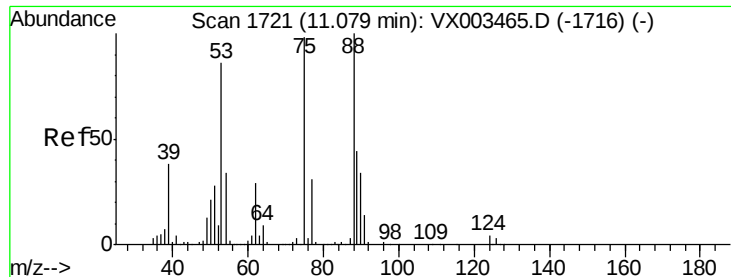
77 1.4 22.8 68.3#



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: 69.60 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003526.D

Acq: 20 Jul 2018 23:37

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-071018DL

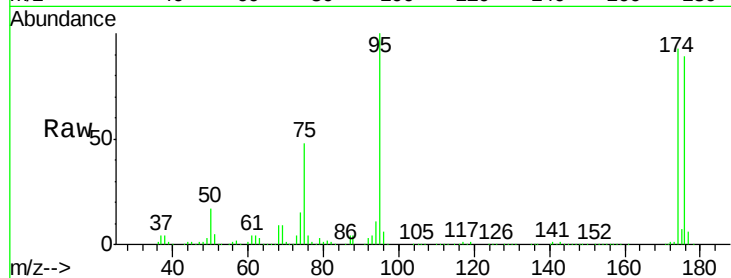
Tot Ion: 75 Resp: 99204

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#



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

