

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\
 Data File : VX003315.D
 Acq On : 11 Jul 2018 05:57
 Operator : JC/MD
 Sample : J3908-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-10-S

Quant Time: Jul 11 06:41:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	360754	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	340515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	192619	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	159577	38.05	ug/l	0.00
Spiked Amount			Recovery	=	76.10%	
35) Dibromofluoromethane	5.51	113	141221	36.44	ug/l	0.00
Spiked Amount			Recovery	=	72.88%	
50) Toluene-d8	8.72	98	504585	36.65	ug/l	0.00
Spiked Amount			Recovery	=	73.30%	
62) 4-Bromofluorobenzene	11.14	95	174509	34.31	ug/l	0.00
Spiked Amount			Recovery	=	68.62%	

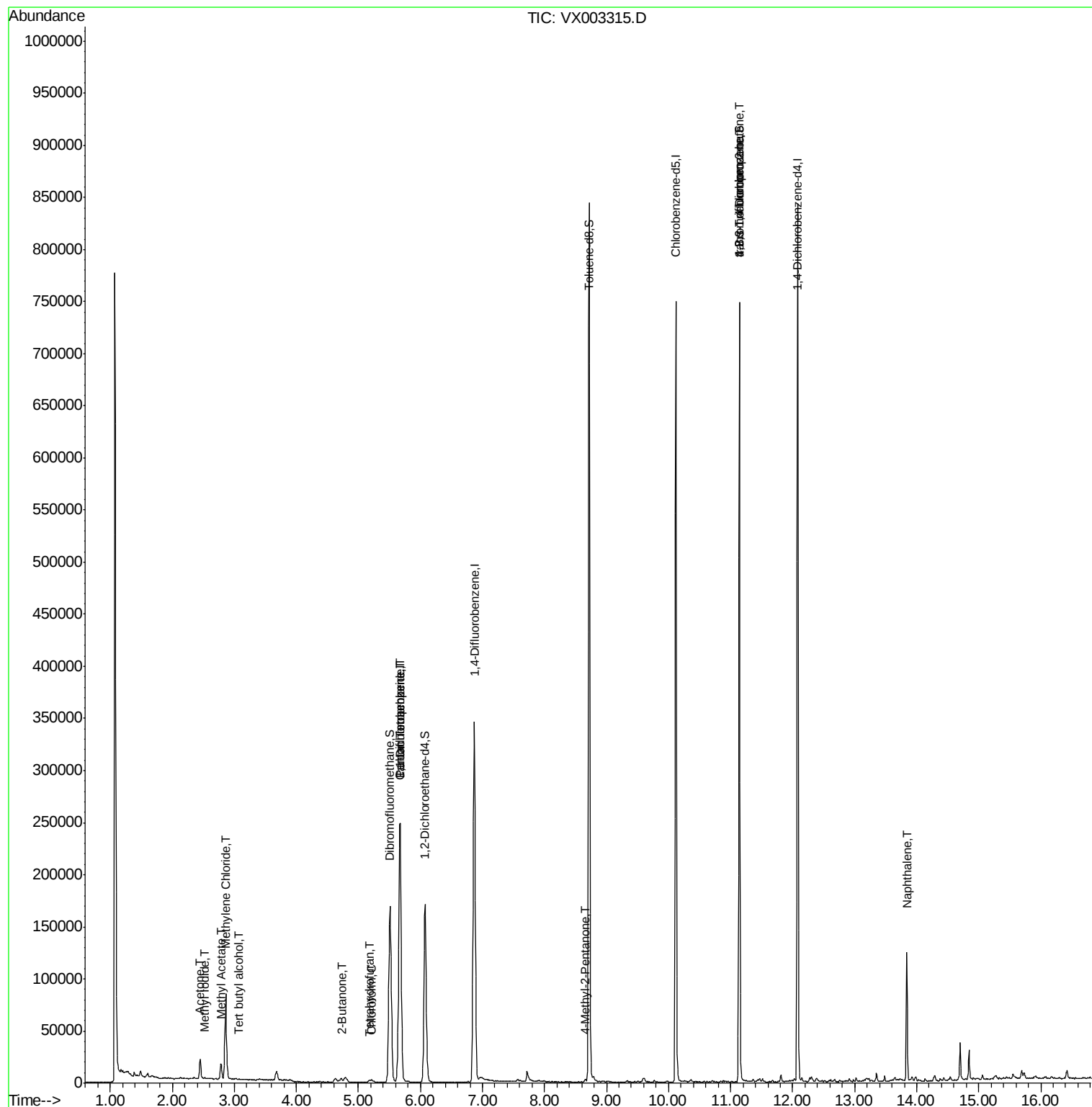
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	1228	Below Cal	#	74
10) Methyl Iodide	2.52	142	1125	5.93	ug/l #	88
11) Tert butyl alcohol	3.07	59	1032	1.36	ug/l #	64
16) Acetone	2.45	43	20856	14.01	ug/l	99
18) Methyl Acetate	2.78	43	18061	4.30	ug/l	94
20) Methylene Chloride	2.86	84	38239	11.99	ug/l	94
25) 2-Butanone	4.72	43	4837	1.84	ug/l #	90
29) Tetrahydrofuran	5.17	42	2215	1.30	ug/l #	62
30) Chloroform	5.22	83	1835	0.28	ug/l	90
36) 1,1-Dichloropropene	5.67	75	16199	3.17	ug/l #	51
38) Carbon Tetrachloride	5.66	117	22797	4.08	ug/l #	16
51) 4-Methyl-2-Pentanone	8.66	43	1645	0.30	ug/l	90
76) 1,2,3-Trichloropropane	11.14	75	84665	20.34	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	84665	66.47	ug/l #	7
95) Naphthalene	13.84	128	78022	5.07	ug/l	99

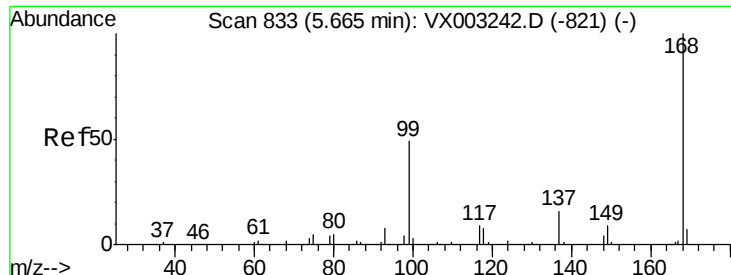
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003315.D

Acq: 11 Jul 2018 05:57

Instrument :

MSVOA_X

ClientSampleId :

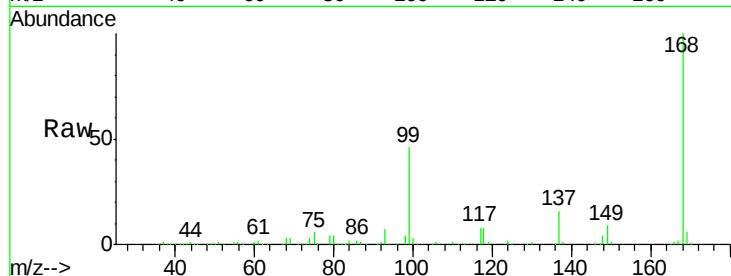
TP-10-S

Tot Ion:168 Resp: 266509

Ion Ratio Lower Upper

168 100

99 45.5 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

80000

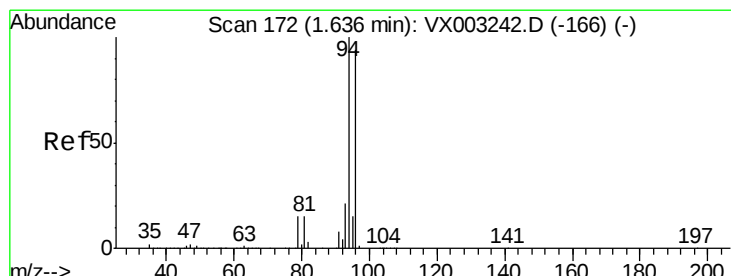
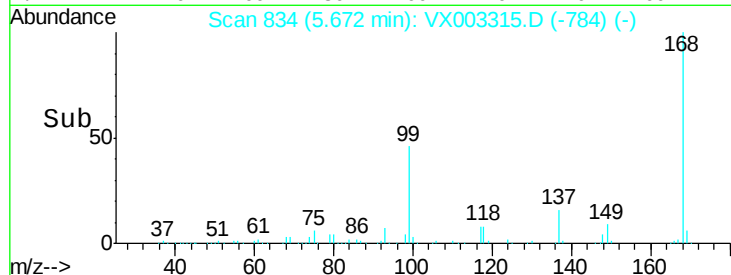
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX003315.D

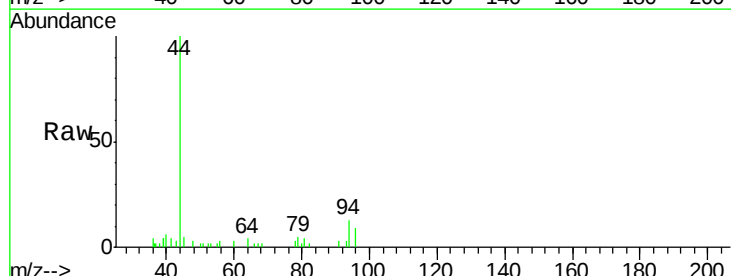
Acq: 11 Jul 2018 05:57

Tgt Ion: 94 Resp: 1228

Ion Ratio Lower Upper

94 100

96 68.6 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

500

400

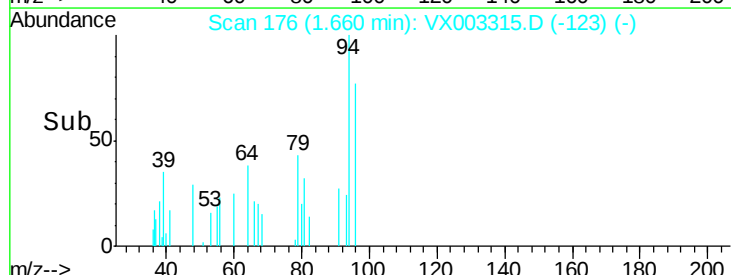
300

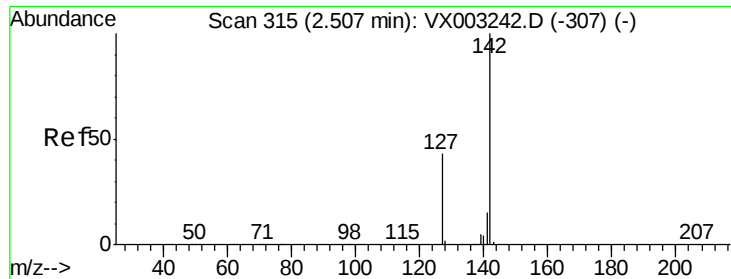
200

100

0

Time--> 1.60 1.65 1.70

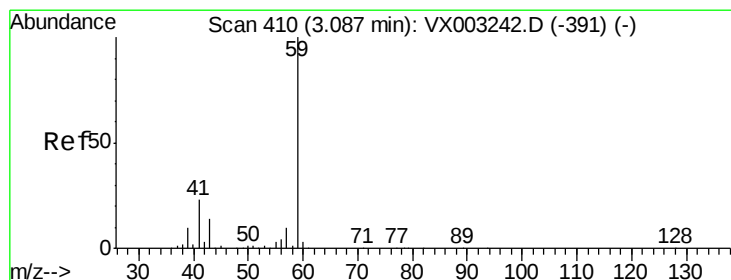
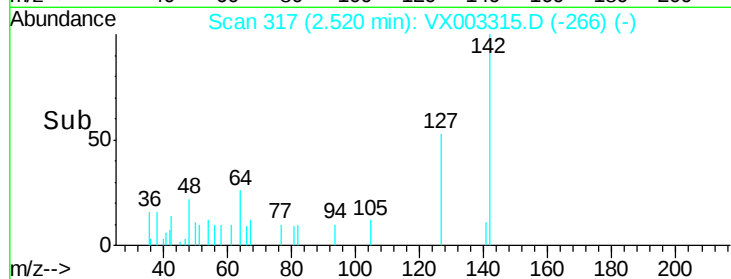
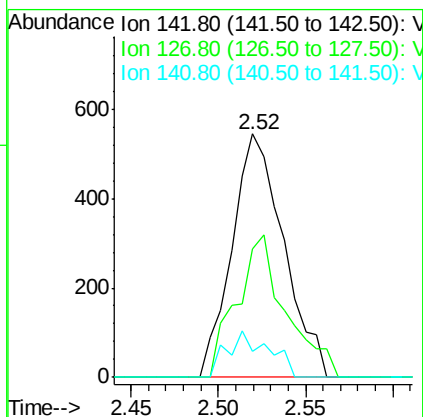
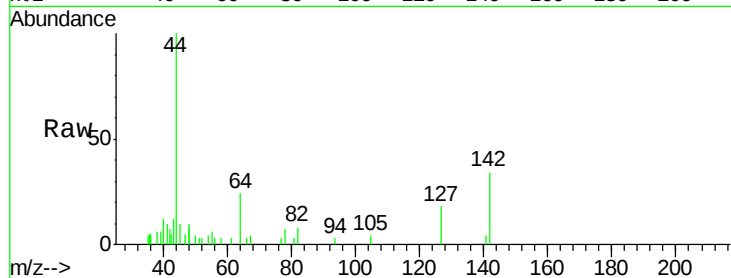




#10
Methyl Iodide
Concen: 5.93 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003315.D
Acq: 11 Jul 2018 05:57

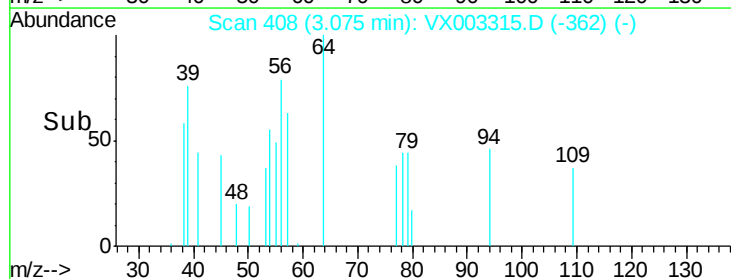
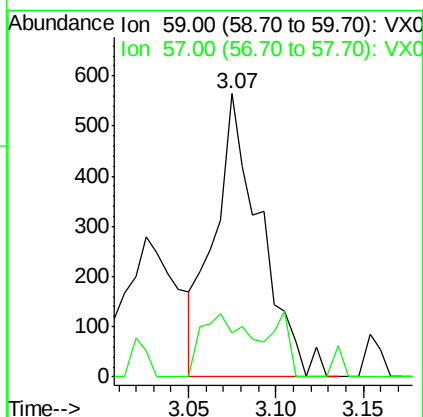
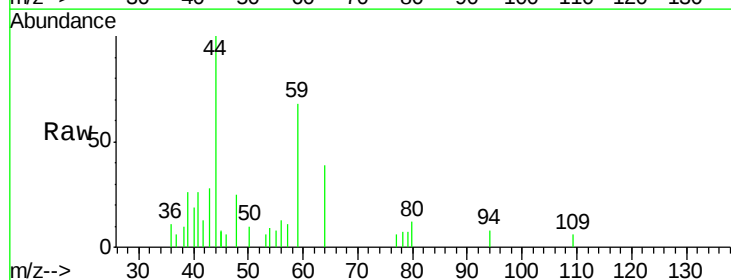
Instrument :
MSVOA_X
ClientSampled :
TP-10-S

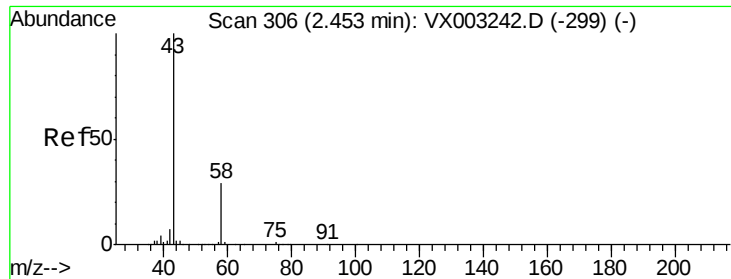
Tot Ion:142 Resp: 1125
Ion Ratio Lower Upper
142 100
127 55.5 36.6 55.0#
141 15.4 11.3 16.9



#11
Tert butyl alcohol
Concen: 1.36 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.02 min
Lab File: VX003315.D
Acq: 11 Jul 2018 05:57

Tgt Ion: 59 Resp: 1032
Ion Ratio Lower Upper
59 100
57 23.6 8.2 12.2#





#16

Acetone

Concen: 14.01 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003315.D

Acq: 11 Jul 2018 05:57

Instrument :

MSVOA_X

ClientSampleId :

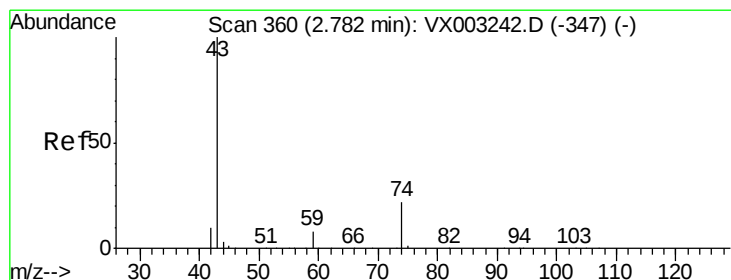
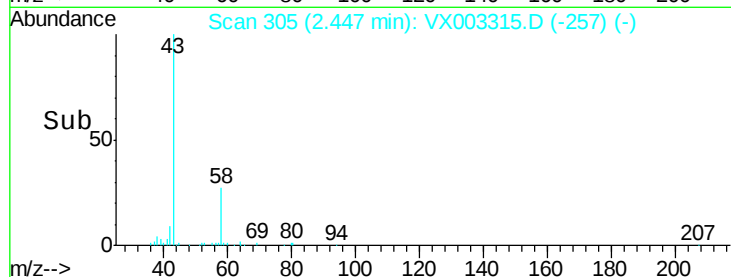
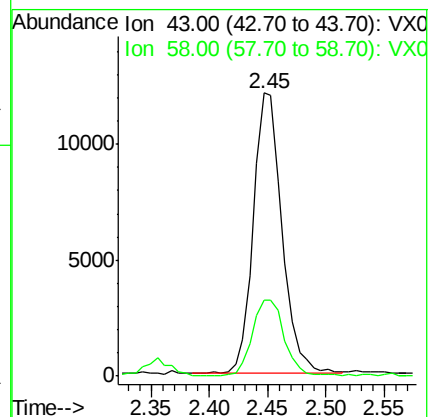
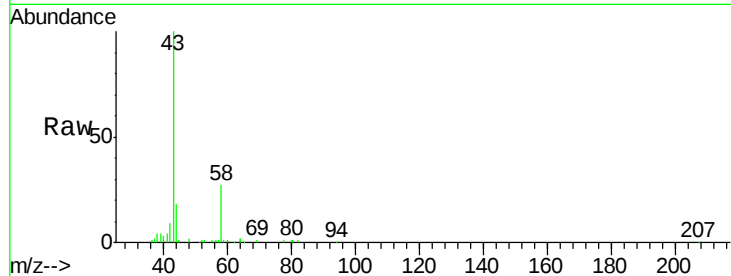
TP-10-S

Tot Ion: 43 Resp: 20856

Ion Ratio Lower Upper

43 100

58 27.3 22.1 33.1



#18

Methyl Acetate

Concen: 4.30 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003315.D

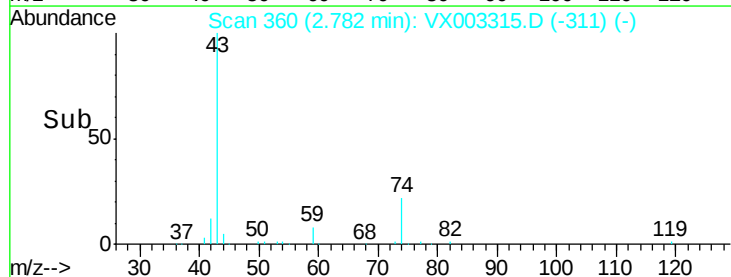
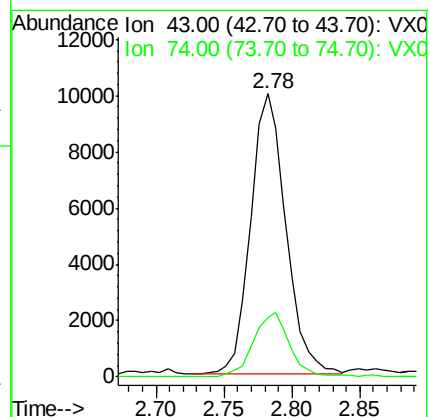
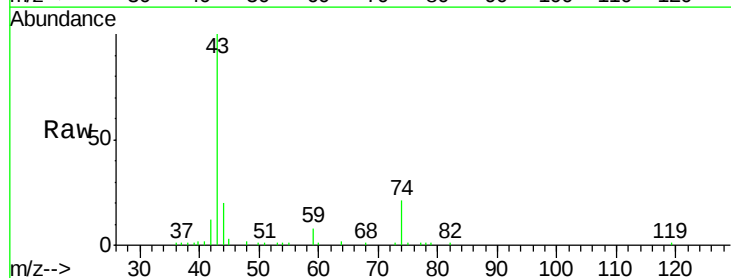
Acq: 11 Jul 2018 05:57

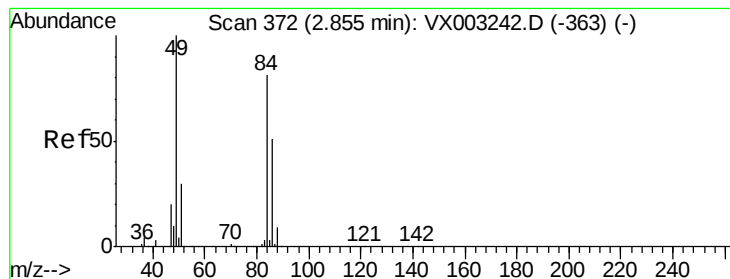
Tgt Ion: 43 Resp: 18061

Ion Ratio Lower Upper

43 100

74 23.5 16.7 25.1





#20

Methylene Chloride

Concen: 11.99 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003315.D

Acq: 11 Jul 2018 05:57

Instrument :

MSVOA_X

ClientSampleId :

TP-10-S

Tot Ion: 84 Resp: 38239

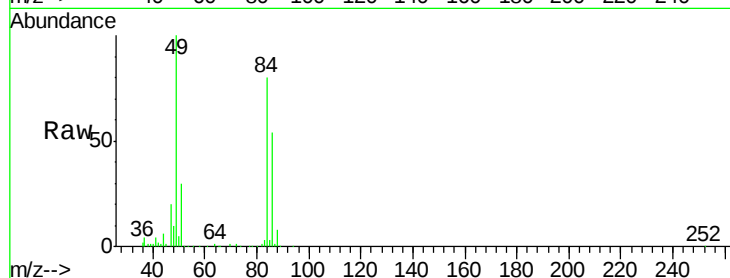
Ion Ratio Lower Upper

84 100

49 124.8 107.8 161.6

51 37.4 32.8 49.2

86 67.7 52.5 78.7

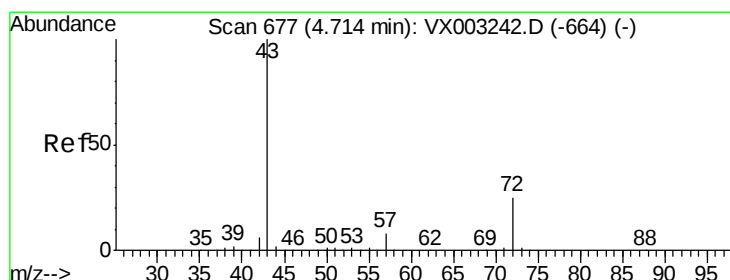
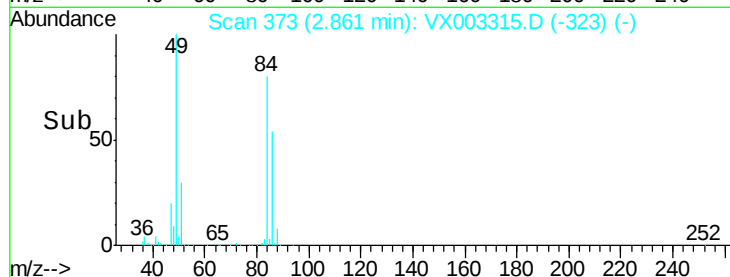
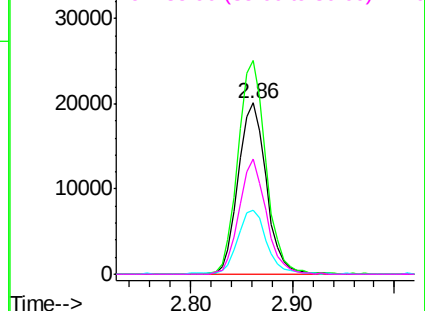


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 1.84 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003315.D

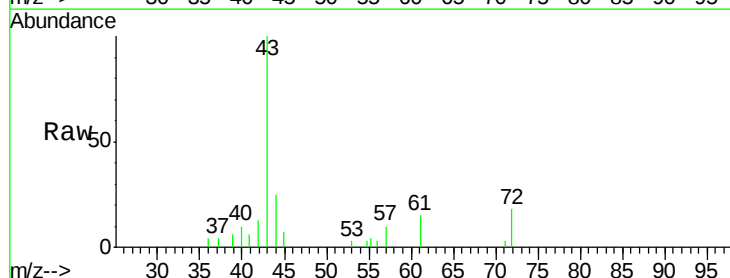
Acq: 11 Jul 2018 05:57

Tgt Ion: 43 Resp: 4837

Ion Ratio Lower Upper

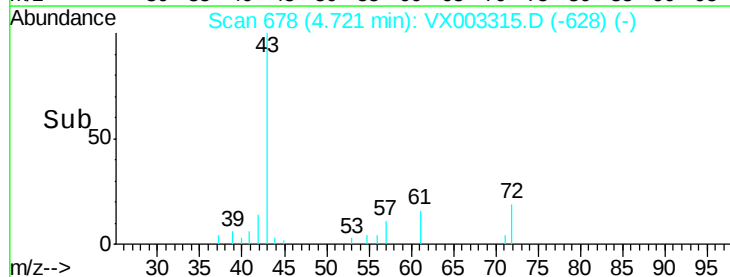
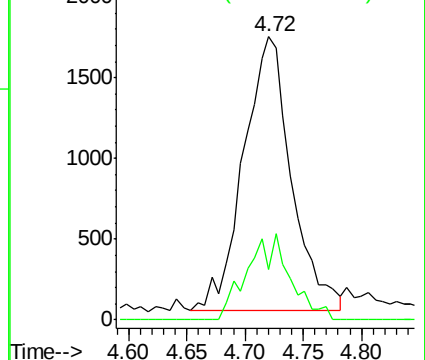
43 100

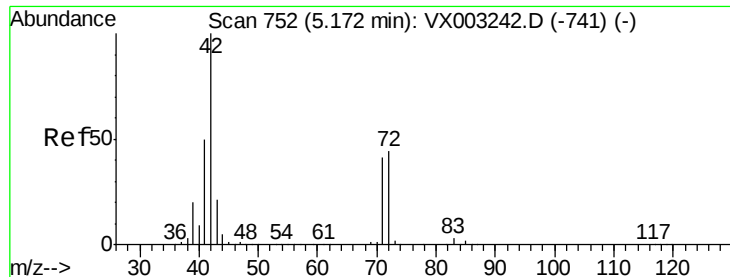
72 18.2 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 1.30 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX003315.D

Acq: 11 Jul 2018 05:57

Instrument :

MSVOA_X

ClientSampled :

TP-10-S

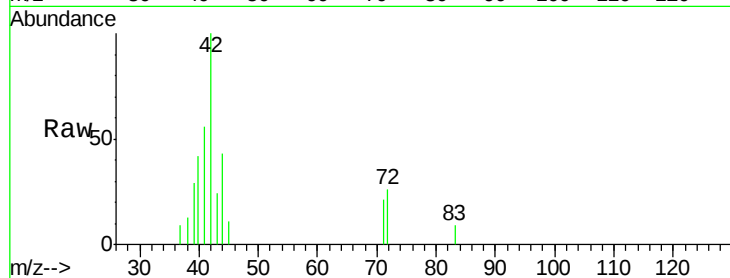
Tot Ion: 42 Resp: 2215

Ion Ratio Lower Upper

42 100

72 19.4 32.0 48.0#

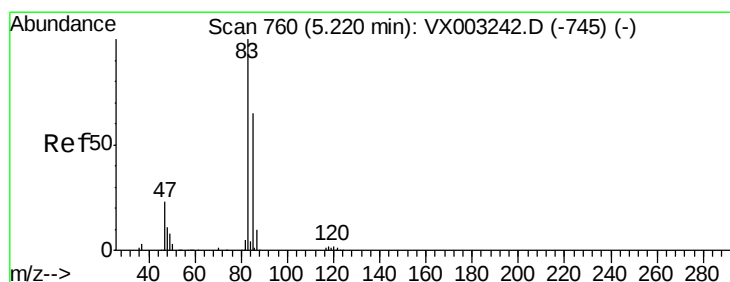
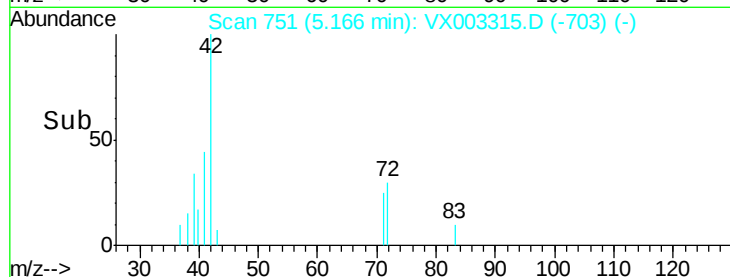
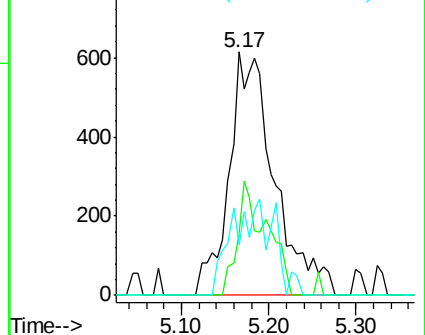
71 11.2 30.1 45.1#



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: 0.28 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX003315.D

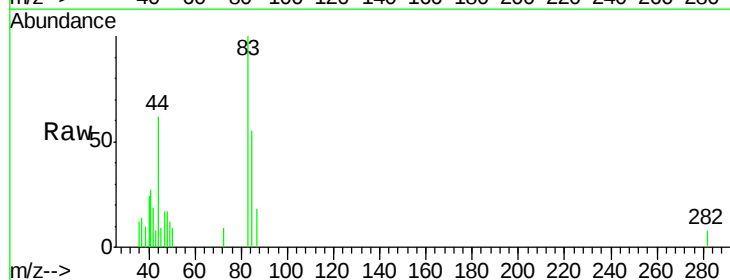
Acq: 11 Jul 2018 05:57

Tgt Ion: 83 Resp: 1835

Ion Ratio Lower Upper

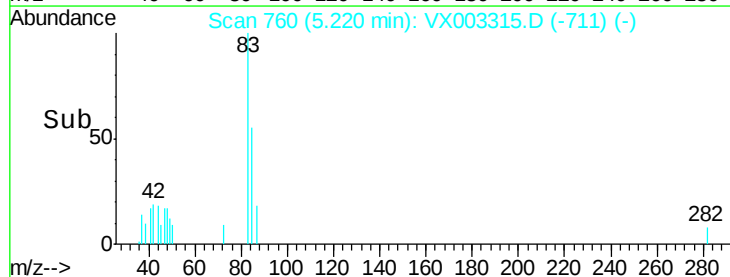
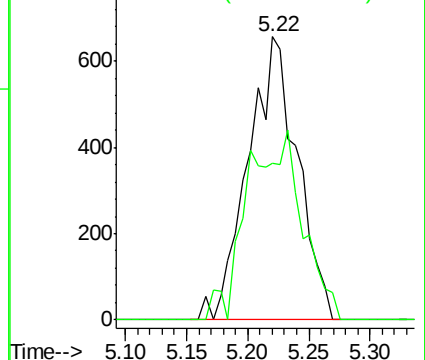
83 100

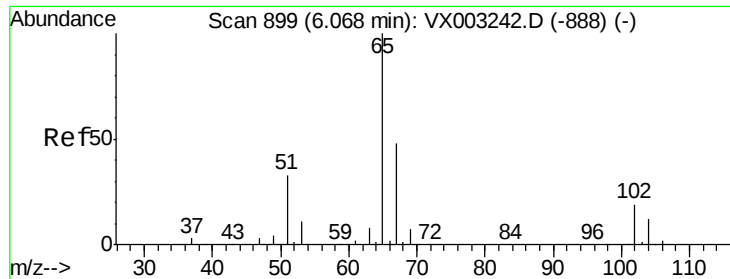
85 55.1 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

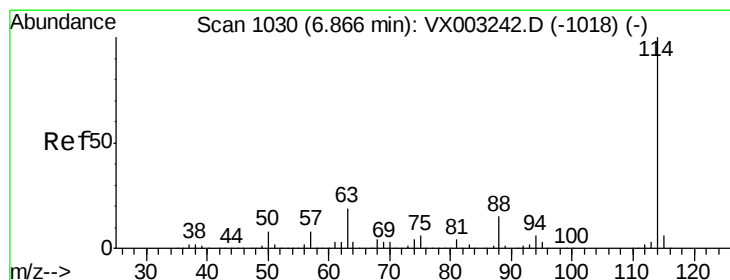
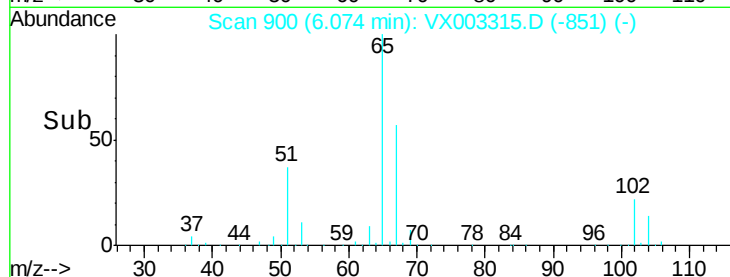
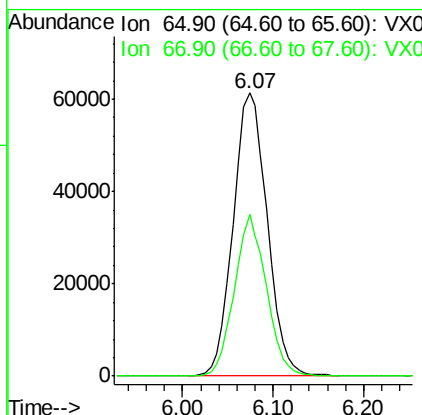
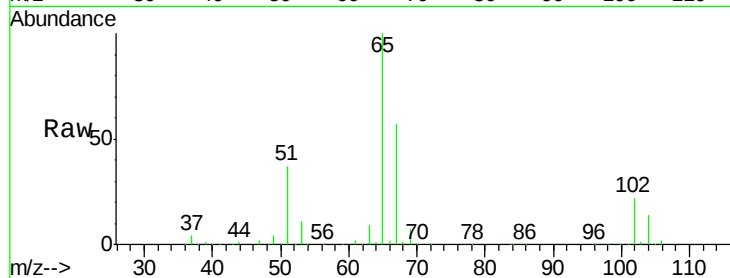




#33
 1,2-Dichloroethane-d4
 Concen: 38.05 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003315.D
 Acq: 11 Jul 2018 05:57

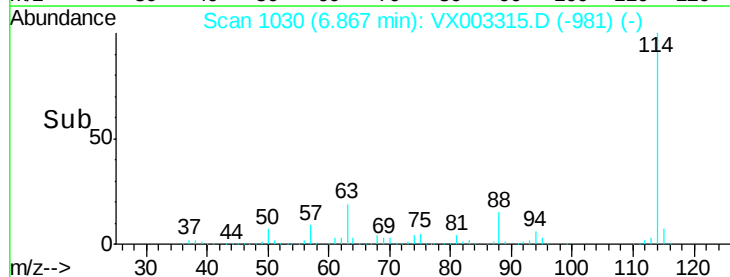
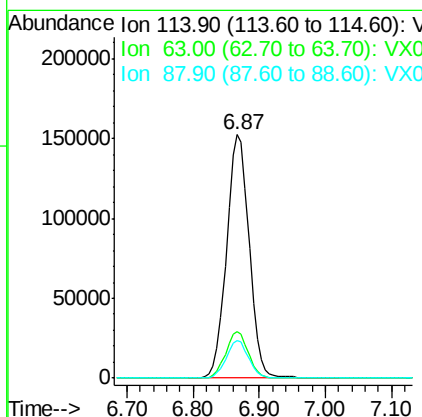
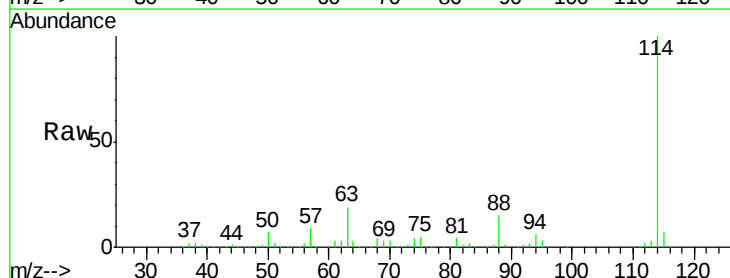
Instrument :
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 TP-10-S

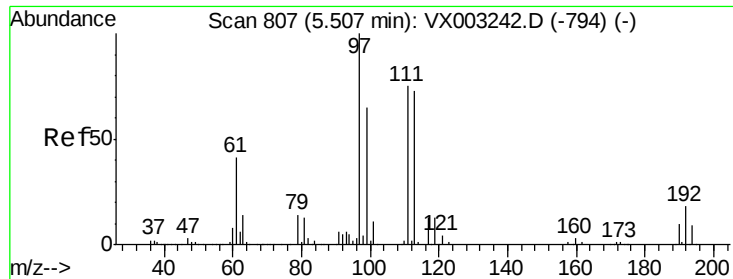
Tot Ion: 65 Resp: 159577
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003315.D
 Acq: 11 Jul 2018 05:57

Tgt Ion: 114 Resp: 360754
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.4
 88 15.3 0.0 30.0

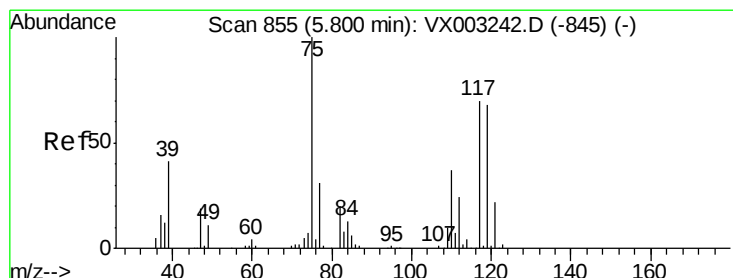
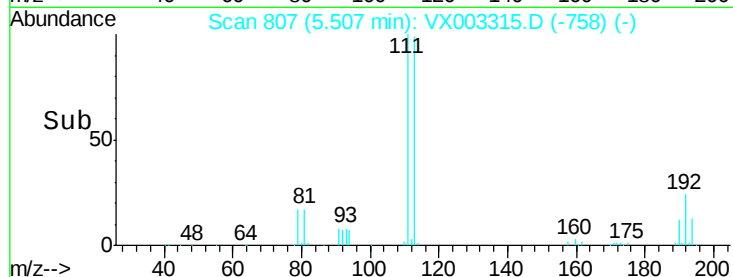
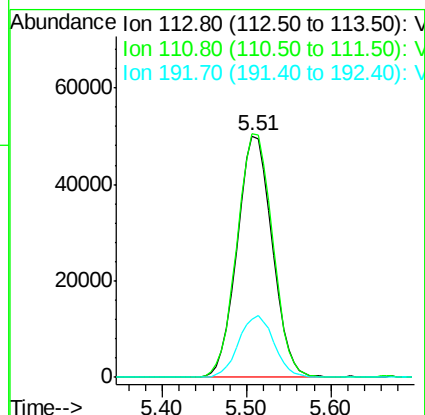
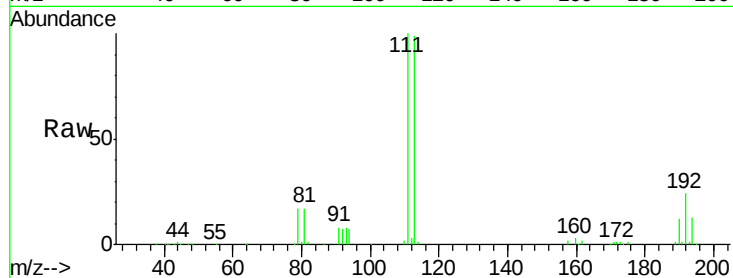




#35
 Dibromofluoromethane
 Concen: 36.44 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003315.D
 Acq: 11 Jul 2018 05:57

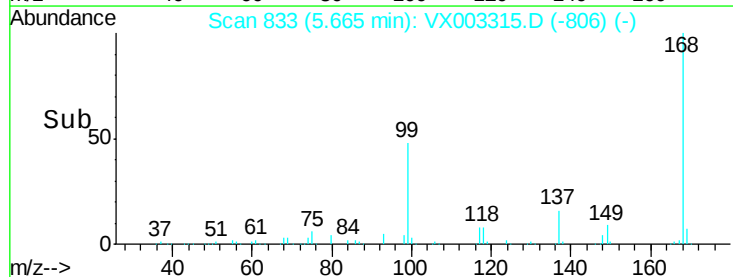
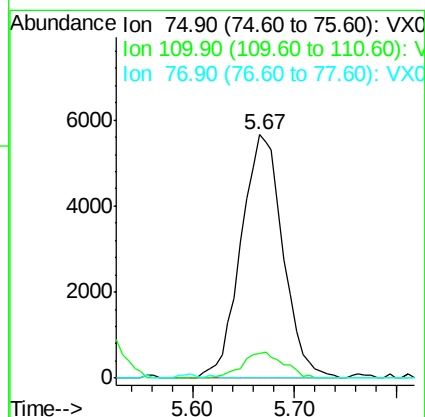
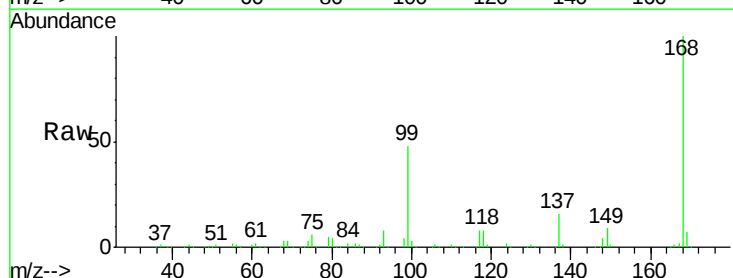
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-10-S

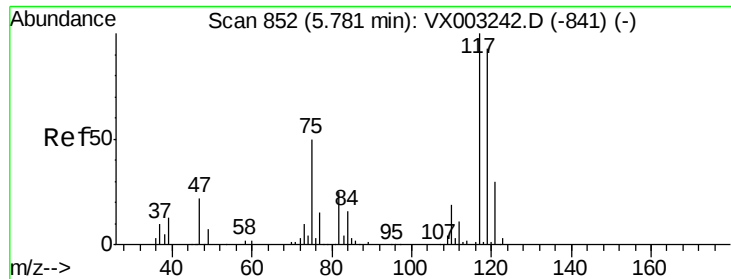
Tot Ion:113 Resp: 141221
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.4 122.0
 192 25.8 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 3.17 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003315.D
 Acq: 11 Jul 2018 05:57

Tgt Ion: 75 Resp: 16199
 Ion Ratio Lower Upper
 75 100
 110 10.6 18.1 54.4#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 4.08 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX003315.D

Acq: 11 Jul 2018 05:57

Instrument :

MSVOA_X

ClientSampled :

TP-10-S

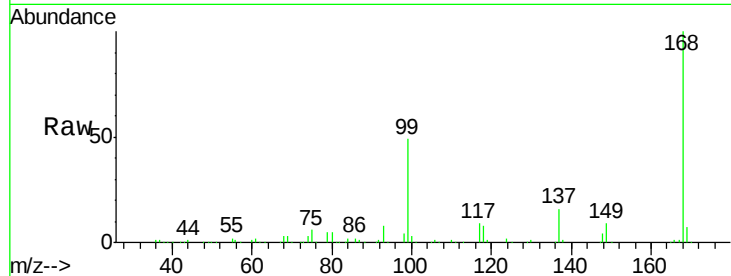
Tot Ion:117 Resp: 22797

Ion Ratio Lower Upper

117 100

119 5.9 77.4 116.0#

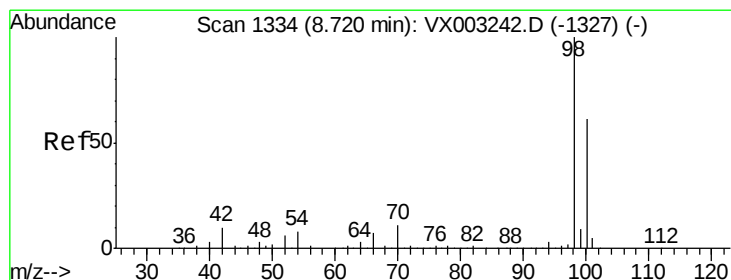
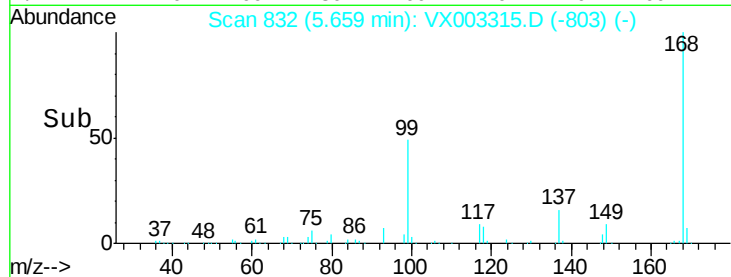
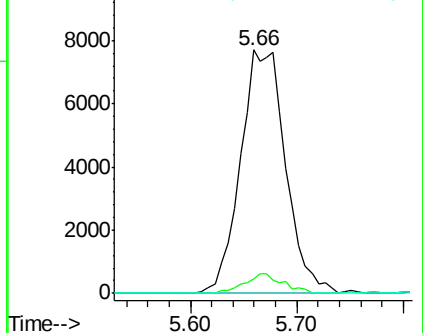
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 36.65 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003315.D

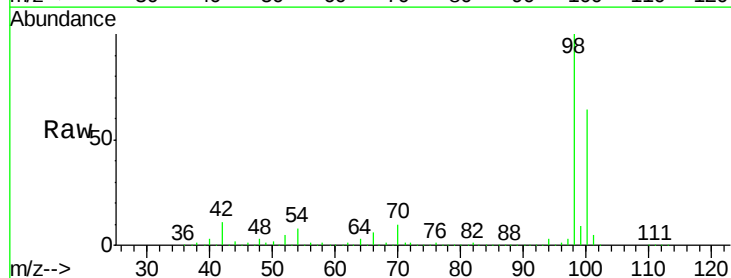
Acq: 11 Jul 2018 05:57

Tgt Ion: 98 Resp: 504585

Ion Ratio Lower Upper

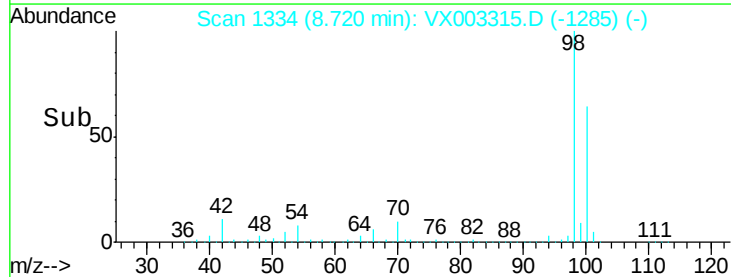
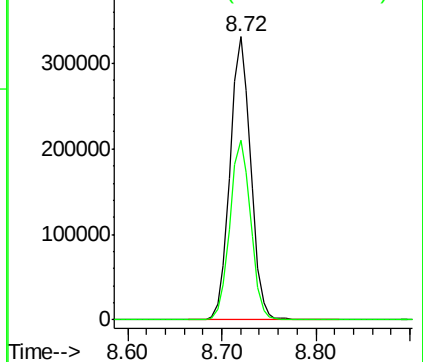
98 100

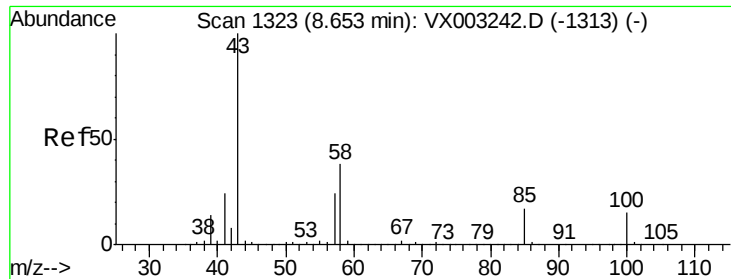
100 64.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.30 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX003315.D

Acq: 11 Jul 2018 05:57

Instrument :

MSVOA_X

ClientSampled :

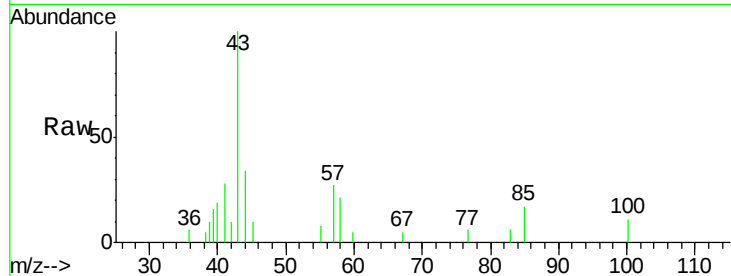
TP-10-S

Tot Ion: 43 Resp: 1645

Ion Ratio Lower Upper

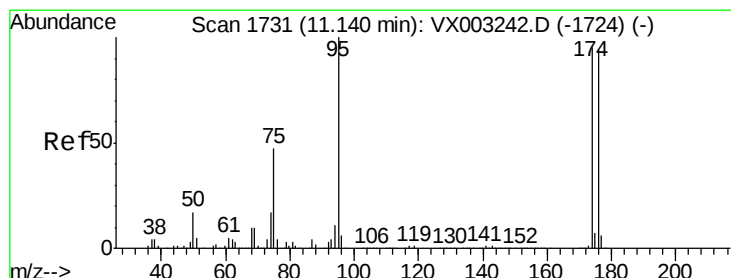
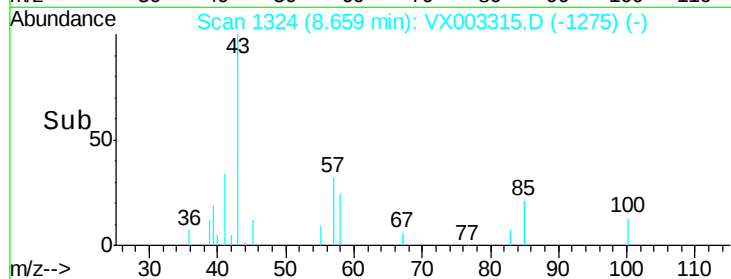
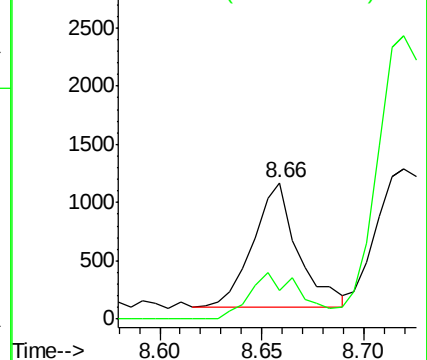
43 100

58 41.6 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 34.31 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003315.D

Acq: 11 Jul 2018 05:57

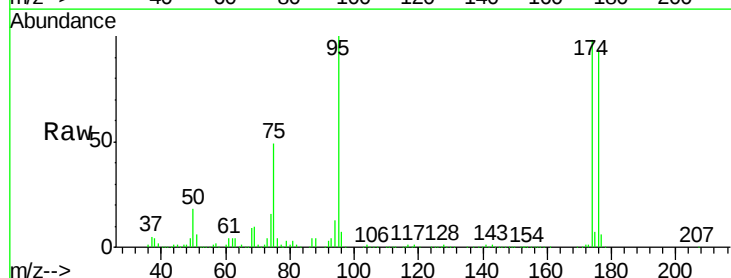
Tgt Ion: 95 Resp: 174509

Ion Ratio Lower Upper

95 100

174 102.2 0.0 187.4

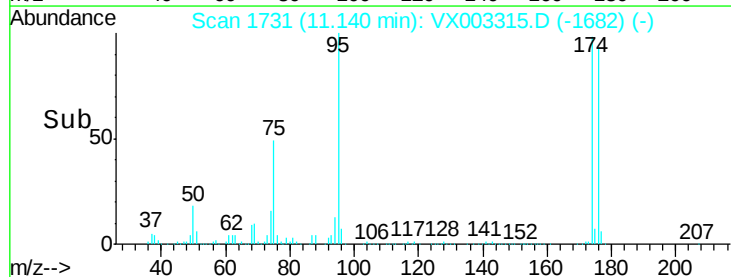
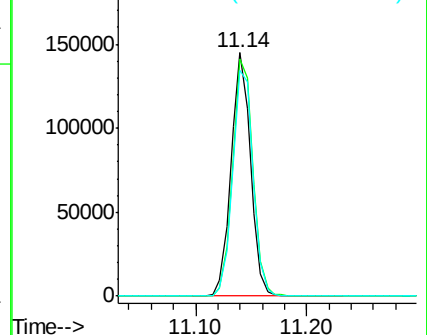
176 98.0 0.0 181.0

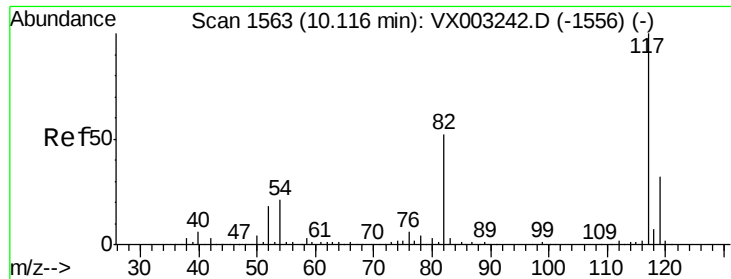


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

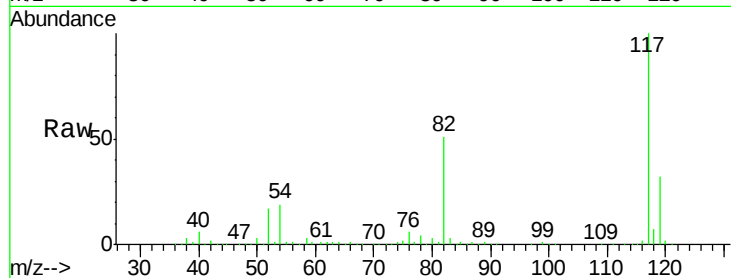




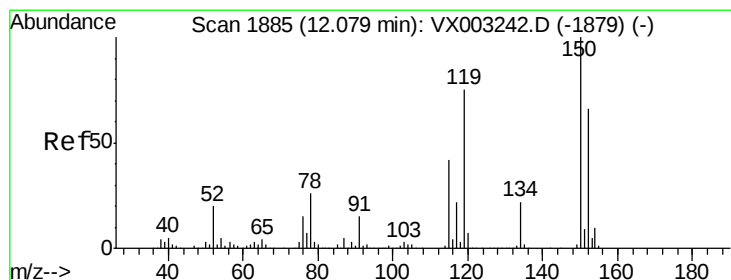
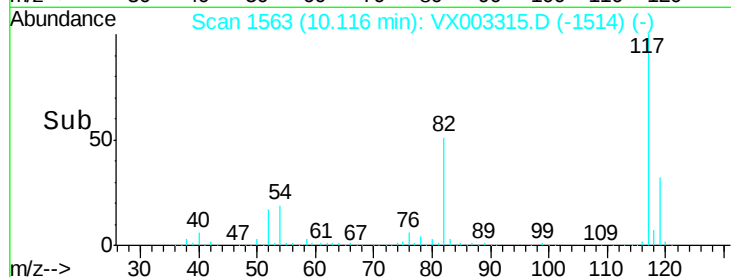
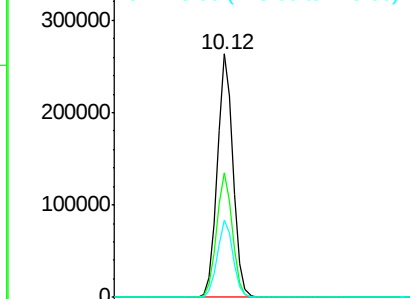
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003315.D
Acq: 11 Jul 2018 05:57

Instrument :
MSVOA_X
ClientSampleId :
TP-10-S

Tot Ion:117 Resp: 340515
Ion Ratio Lower Upper
117 100
82 51.1 45.0 67.4
119 31.8 25.8 38.6

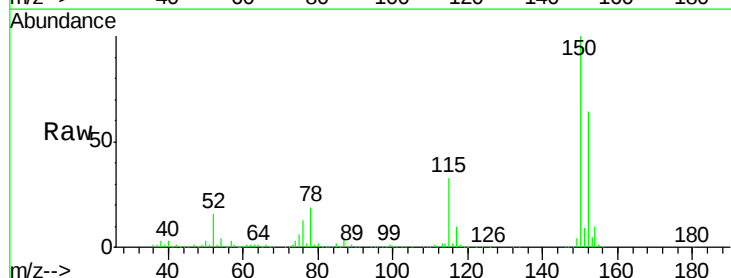


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

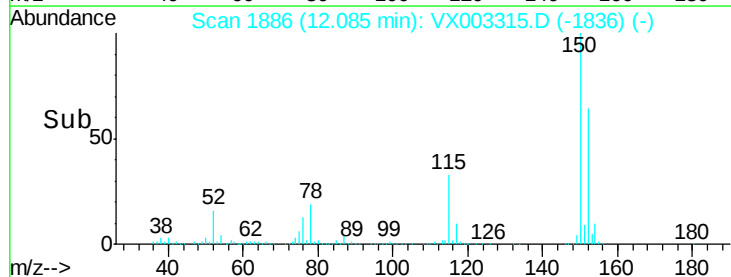
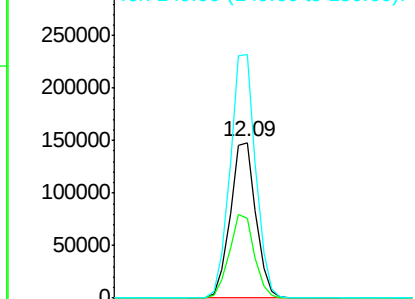


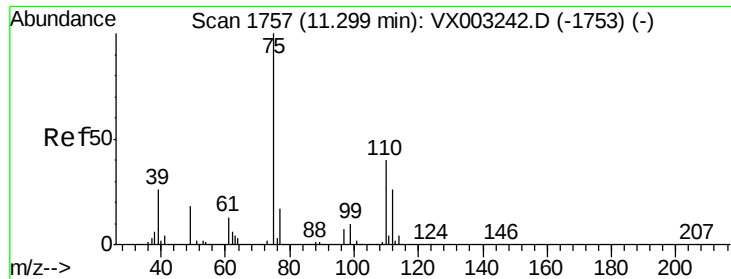
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VX003315.D
Acq: 11 Jul 2018 05:57

Tgt Ion:152 Resp: 192619
Ion Ratio Lower Upper
152 100
115 53.0 40.1 120.2
150 156.8 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

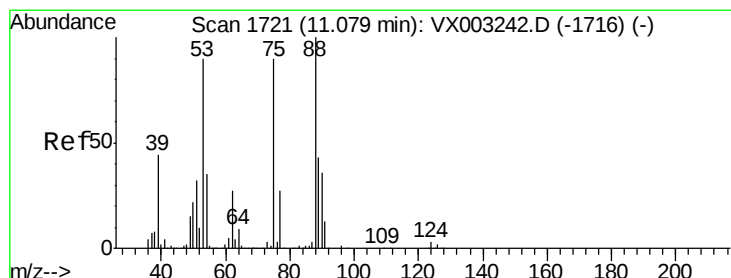
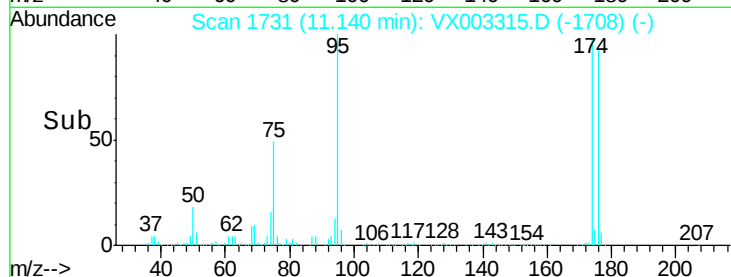
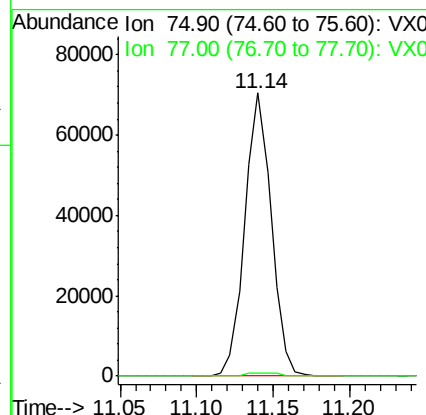
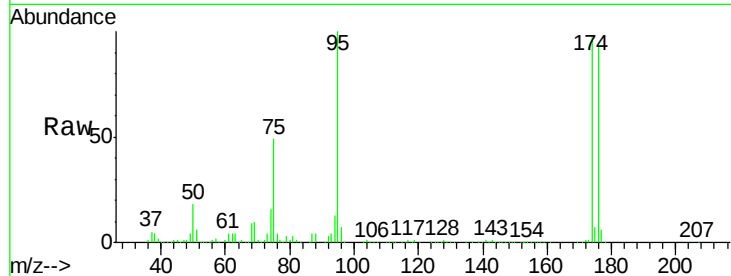




#76
 1,2,3-Trichloropropane
 Concen: 20.34 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003315.D
 Acq: 11 Jul 2018 05:57

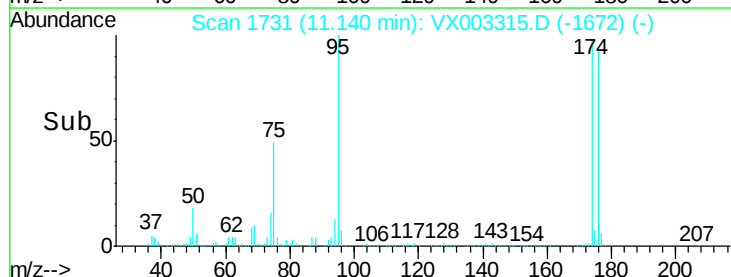
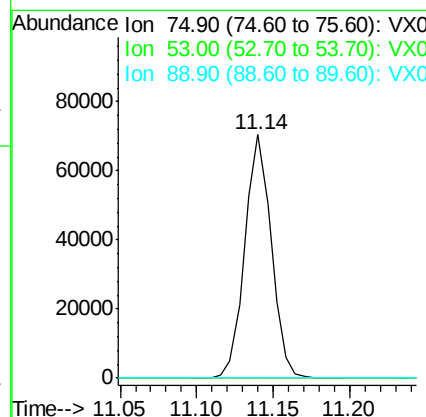
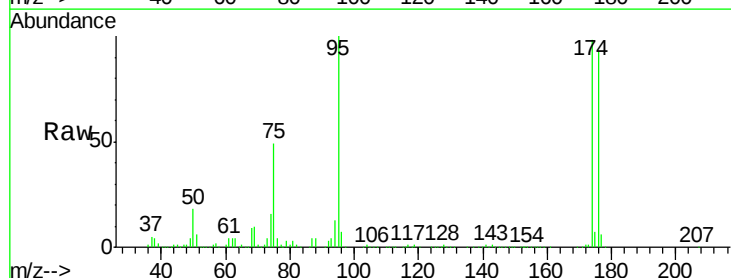
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-10-S

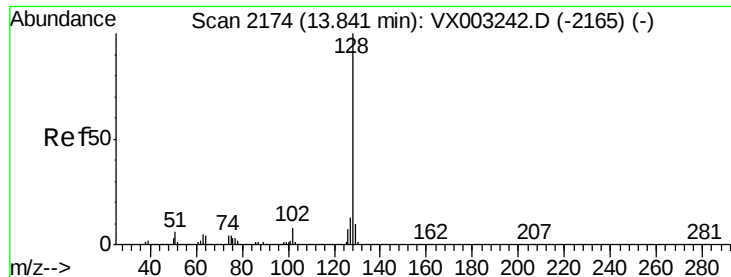
Tot Ion: 75 Resp: 84665
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.47 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003315.D
 Acq: 11 Jul 2018 05:57

Tgt Ion: 75 Resp: 84665
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

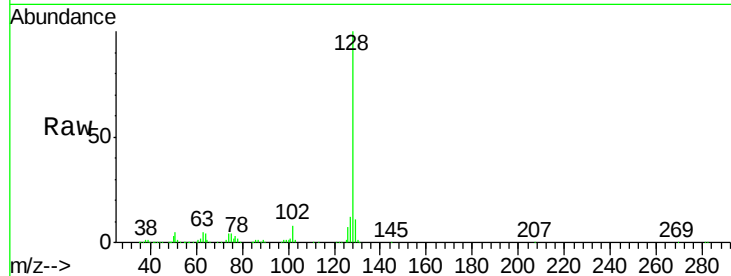




#95
Naphthalene
Concen: 5.07 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.01 min
Lab File: VX003315.D
Acq: 11 Jul 2018 05:57

Instrument :
MSVOA_X
ClientSampleId :
TP-10-S

Tot Ion:128 Resp: 78022
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

