

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120718\
 Data File : VX006357.D
 Acq On : 07 Dec 2018 19:38
 Operator : JC/MD
 Sample : J6259-16DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW305D-20181205DL

Quant Time: Dec 08 00:13:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	787053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1193961	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1079244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	520544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	388655	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
35) Dibromofluoromethane	5.51	113	373460	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	8.71	98	1389686	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	11.13	95	511585	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	

Target Compounds

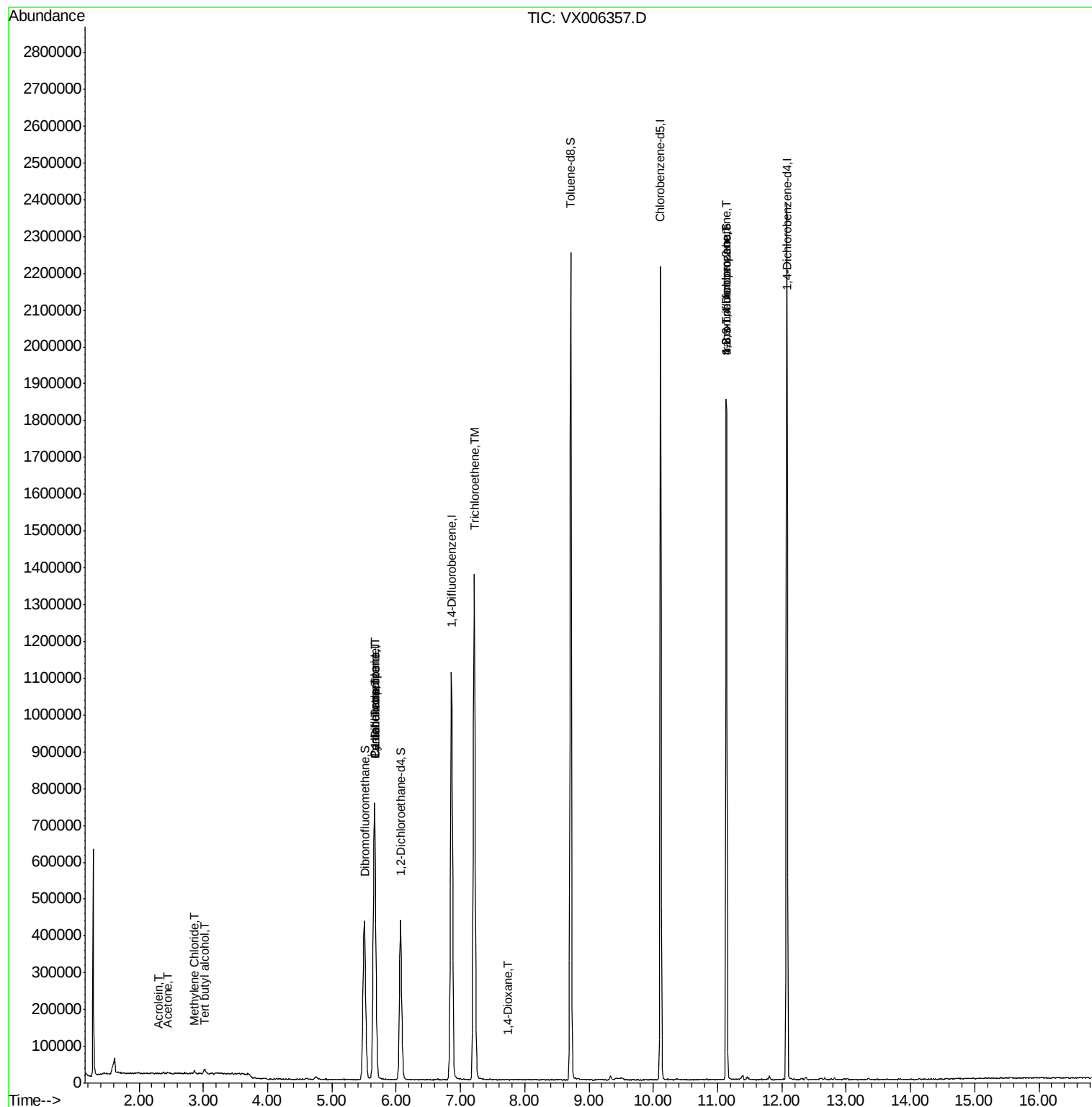
						Qvalue
11) Tert butyl alcohol	3.03	59	7896	3.594	ug/l #	78
13) Acrolein	2.30	56	292	0.243	ug/l #	81
16) Acetone	2.44	43	1463	0.388	ug/l #	80
20) Methylene Chloride	2.86	84	4142	0.516	ug/l #	89
31) Cyclohexane	5.67	56	11614	1.001	ug/l #	5
36) 1,1-Dichloropropene	5.67	75	48473	4.821	ug/l #	49
38) Carbon Tetrachloride	5.67	117	69294	5.858	ug/l #	17
44) Trichloroethene	7.21	130	571114	62.603	ug/l	97
49) 1,4-Dioxane	7.75	88	74	0.329	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	234410	23.331	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	234410	54.750	ug/l #	15

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

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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006357.D

Acq: 07 Dec 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

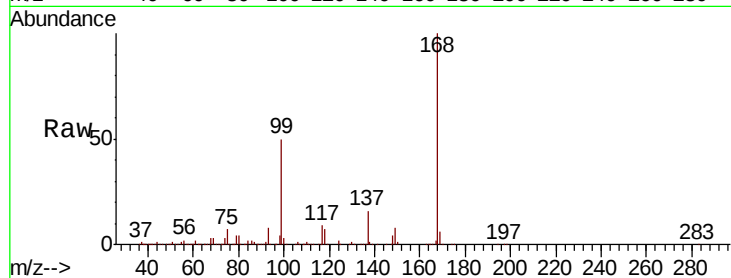
BPS1-TT-MW305D-20181205DL

Tot Ion:168 Resp: 787053

Ion Ratio Lower Upper

168 100

99 49.8 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

300000

250000

200000

150000

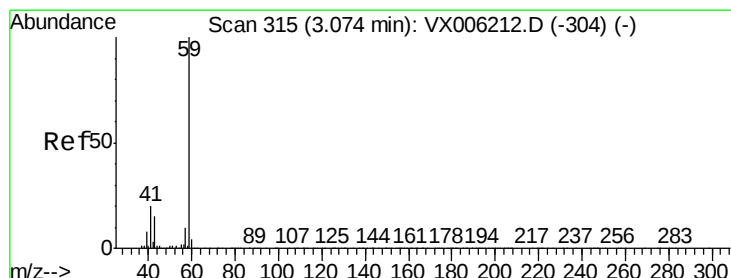
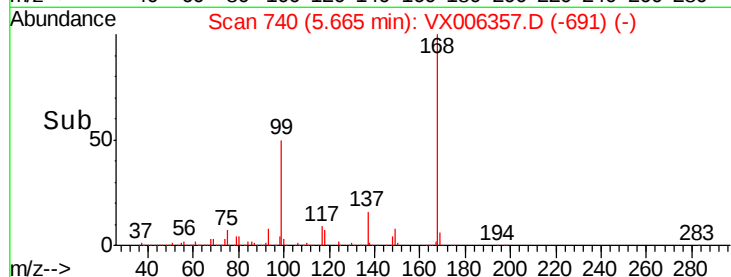
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 3.594 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX006357.D

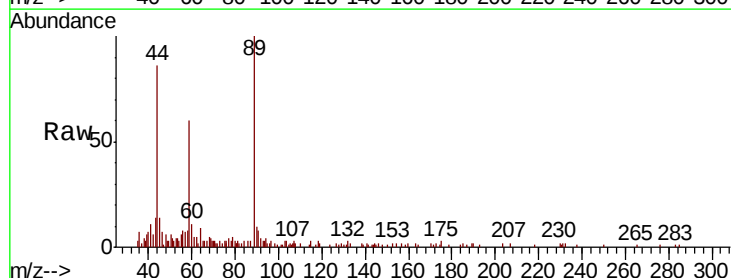
Acq: 07 Dec 2018 19:38

Tgt Ion: 59 Resp: 7896

Ion Ratio Lower Upper

59 100

57 2.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

3000

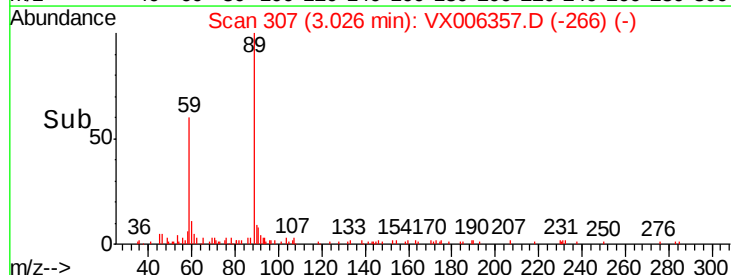
2000

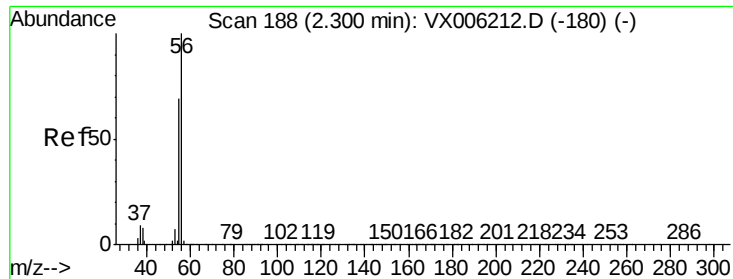
1000

0

Time-->

2.95 3.00 3.05 3.10 3.15





#13

Acrolein

Concen: 0.243 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX006357.D

Acq: 07 Dec 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

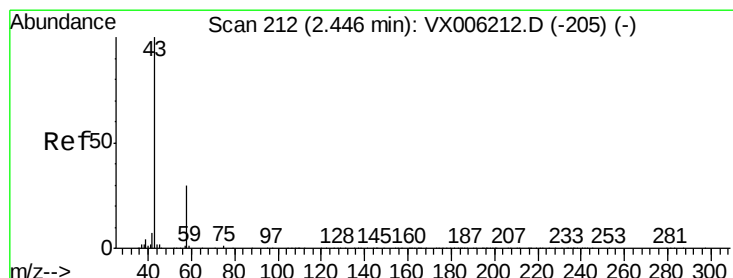
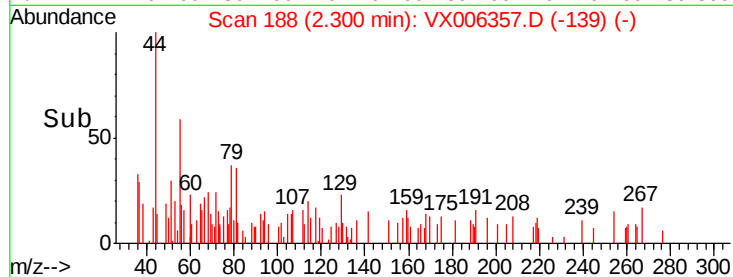
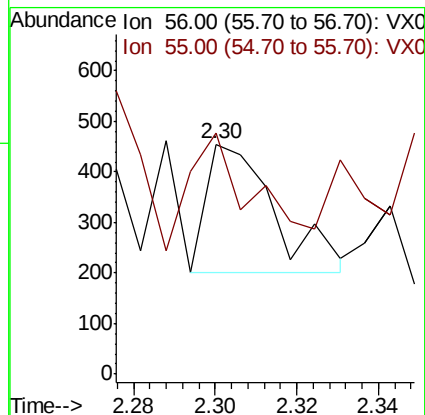
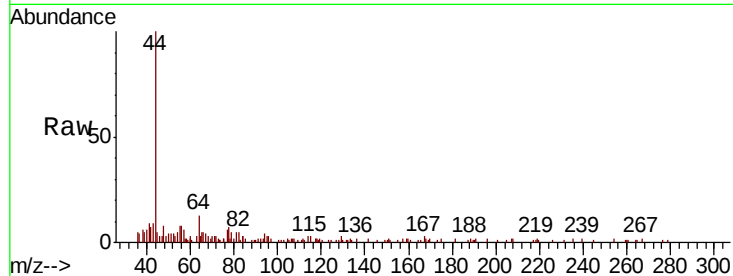
BPS1-TT-MW305D-20181205DL

Tot Ion: 56 Resp: 292

Ion Ratio Lower Upper

56 100

55 87.7 57.8 86.6#



#16

Acetone

Concen: 0.388 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006357.D

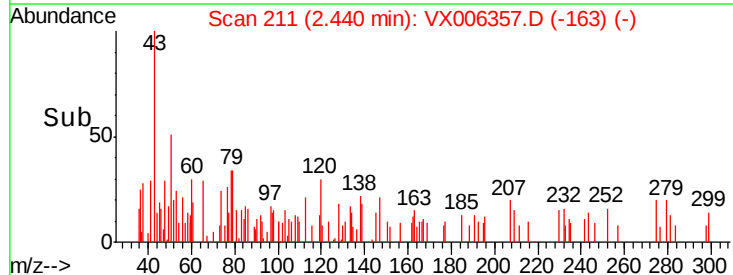
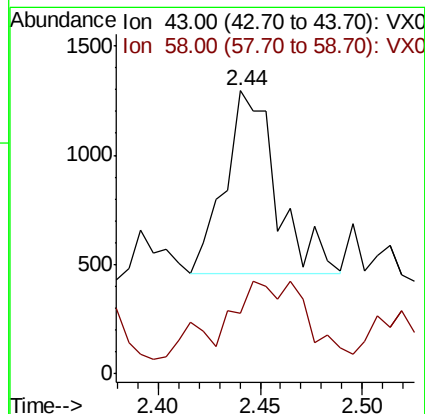
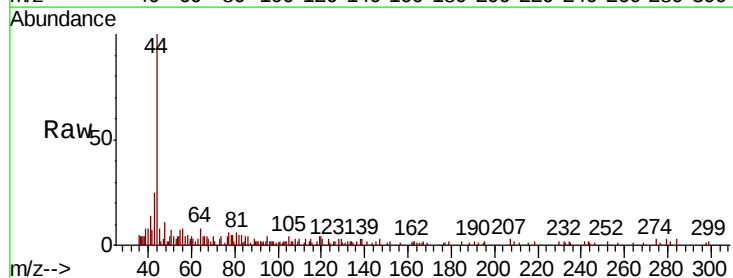
Acq: 07 Dec 2018 19:38

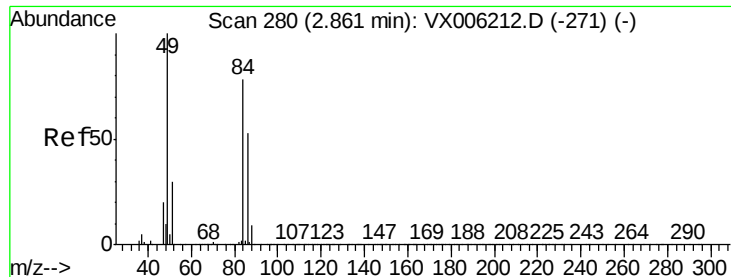
Tgt Ion: 43 Resp: 1463

Ion Ratio Lower Upper

43 100

58 19.1 24.0 36.0#

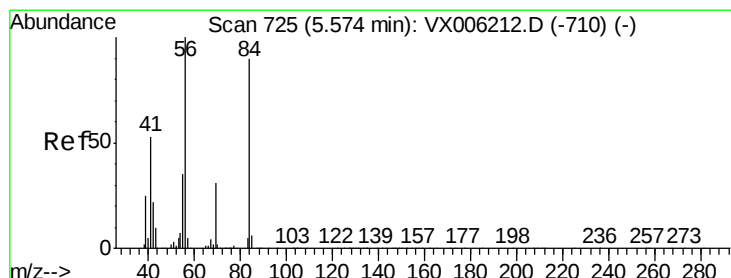
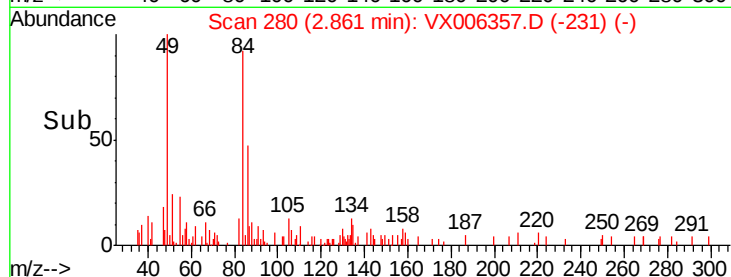
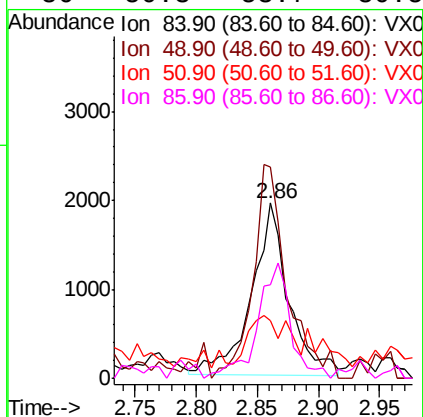
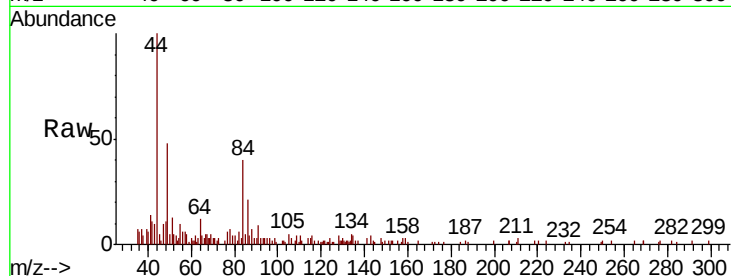




#20
Methvlene Chloride
Concen: 0.516 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006357.D
Acq: 07 Dec 2018 19:38

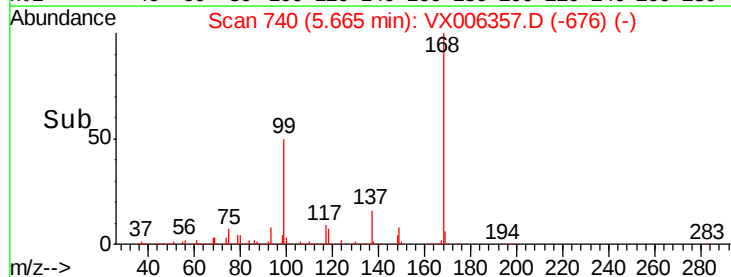
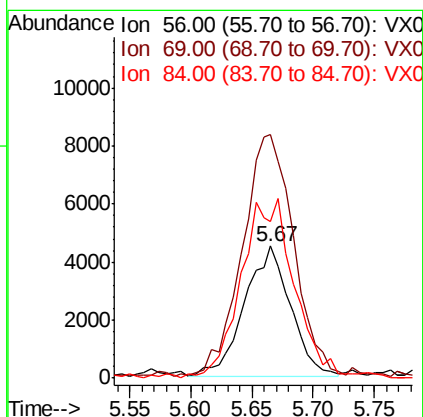
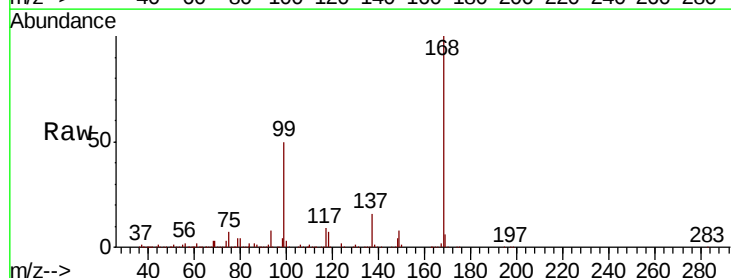
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW305D-20181205DL

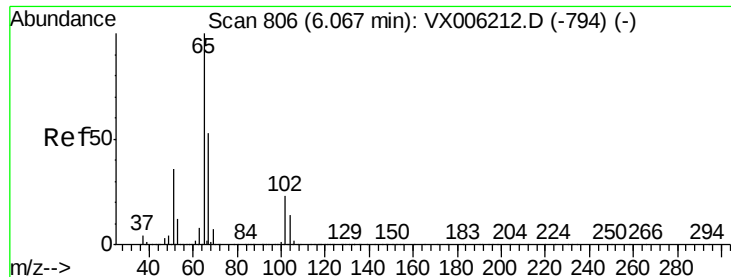
Tot Ion: 84 Resp: 4142
Ion Ratio Lower Upper
84 100
49 125.8 102.2 153.4
51 22.6 31.1 46.7#
86 50.3 53.7 80.5#



#31
Cyclohexane
Concen: 1.001 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX006357.D
Acq: 07 Dec 2018 19:38

Tgt Ion: 56 Resp: 11614
Ion Ratio Lower Upper
56 100
69 185.5 24.5 36.7#
84 118.1 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 48.373 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006357.D

Acq: 07 Dec 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

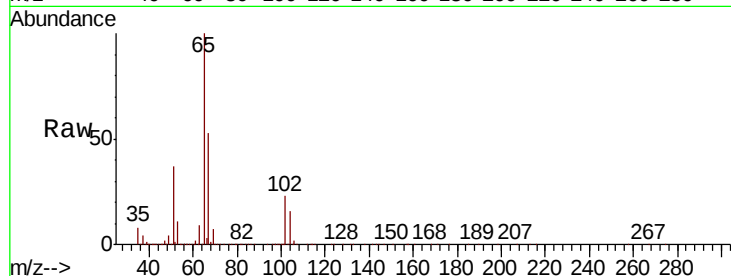
BPS1-TT-MW305D-20181205DL

Tot Ion: 65 Resp: 388655

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

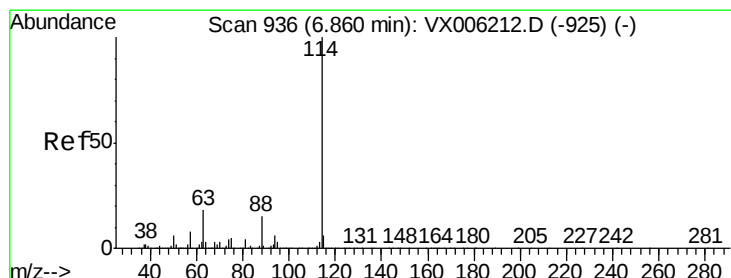
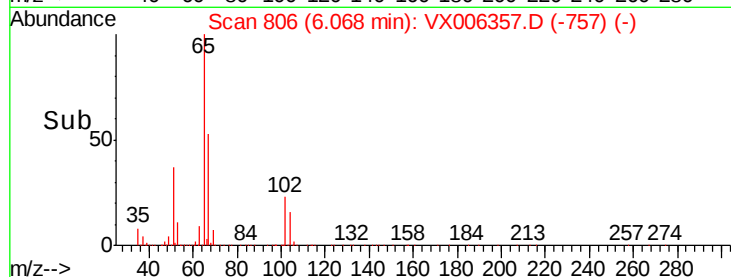
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006357.D

Acq: 07 Dec 2018 19:38

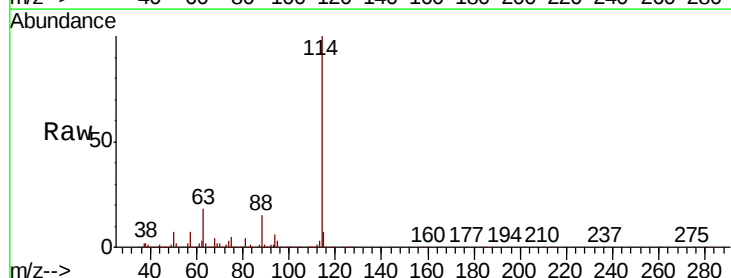
Tgt Ion: 114 Resp: 1193961

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.6

88 14.8 0.0 29.0



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

6.86

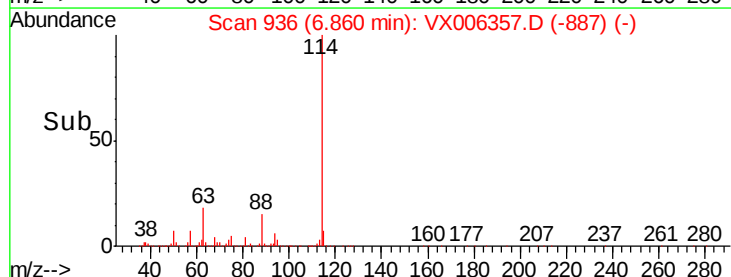
600000

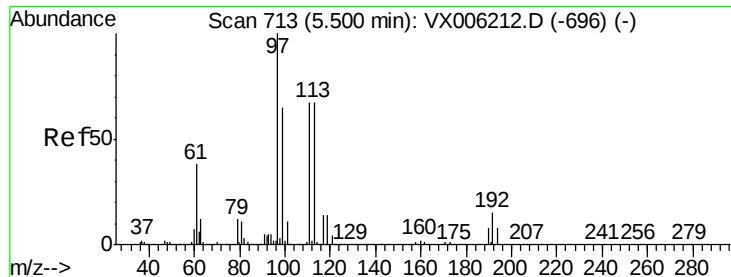
400000

200000

0

Time-->

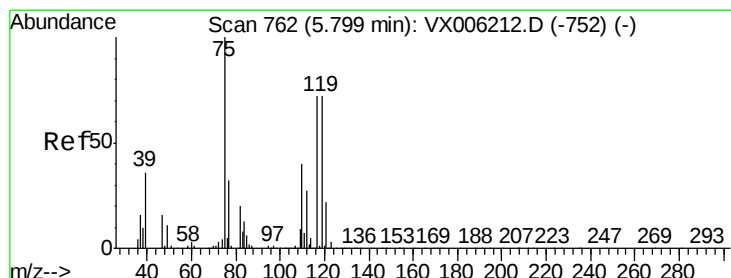
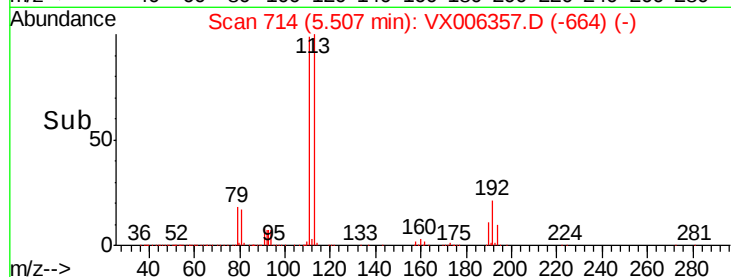
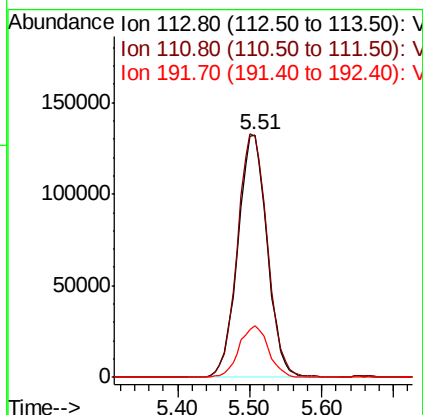
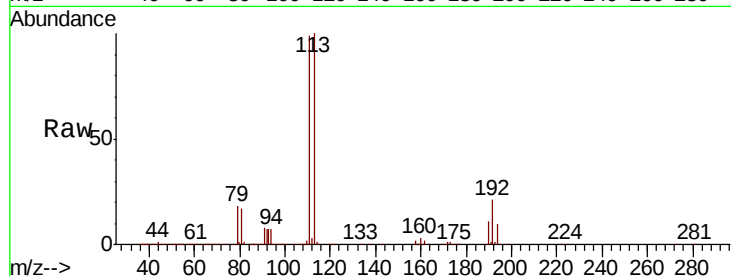




#35
Dibromofluoromethane
Concen: 48.310 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX006357.D
Acq: 07 Dec 2018 19:38

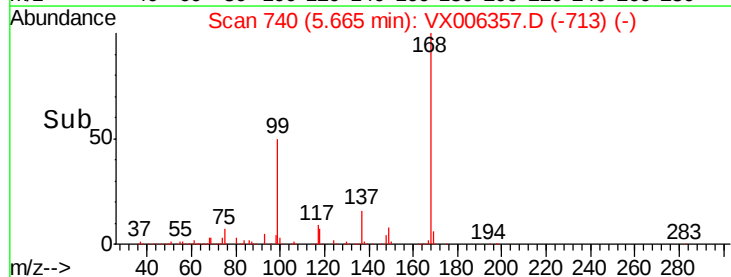
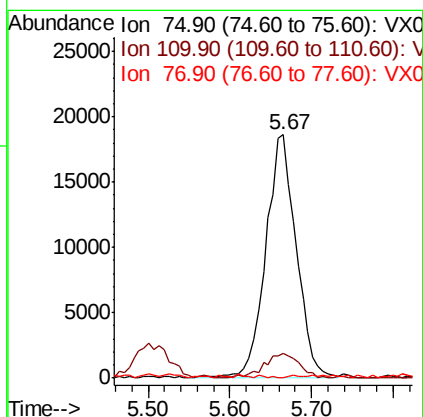
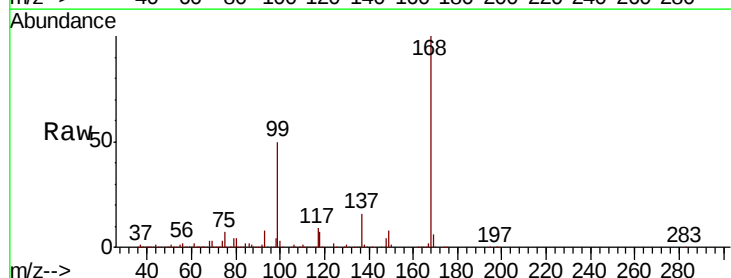
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW305D-20181205DL

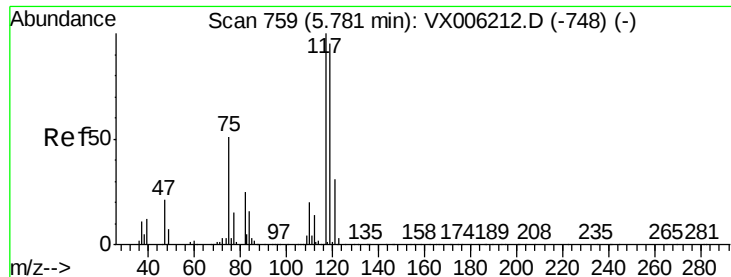
Tot Ion:113 Resp: 373460
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 21.5 18.2 27.2



#36
1,1-Dichloropropene
Concen: 4.821 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.13 min
Lab File: VX006357.D
Acq: 07 Dec 2018 19:38

Tgt Ion: 75 Resp: 48473
Ion Ratio Lower Upper
75 100
110 11.6 20.4 61.3#
77 0.4 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.858 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006357.D

Acq: 07 Dec 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20181205DL

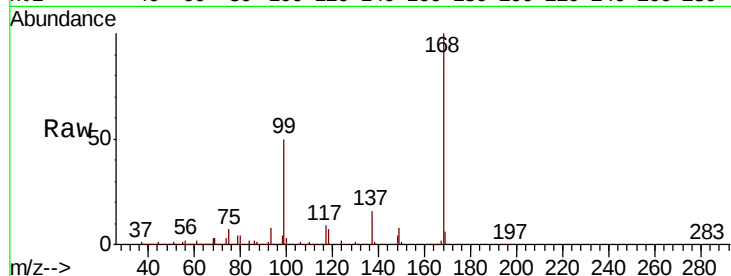
Tot Ion:117 Resp: 69294

Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.8#

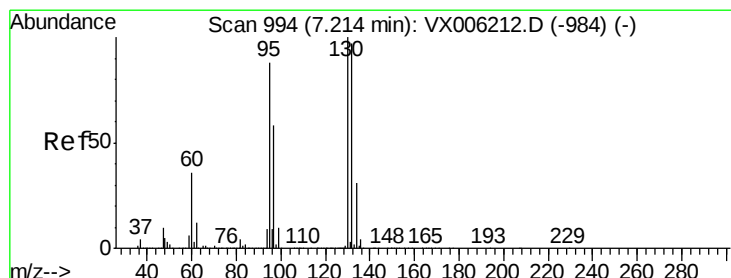
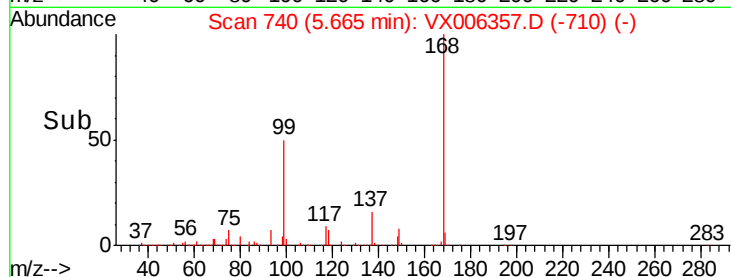
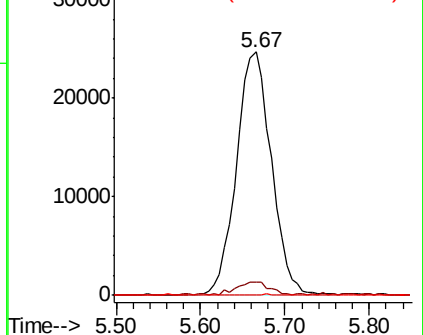
121 0.0 24.6 37.0#



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: 62.603 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006357.D

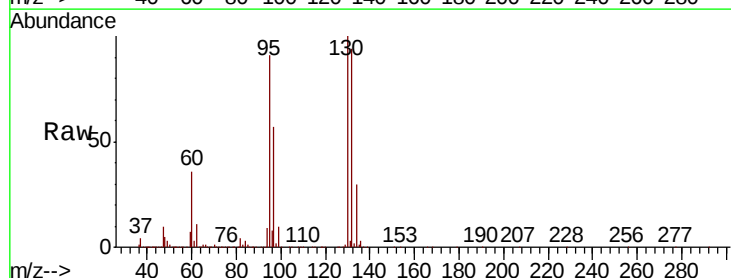
Acq: 07 Dec 2018 19:38

Tgt Ion:130 Resp: 571114

Ion Ratio Lower Upper

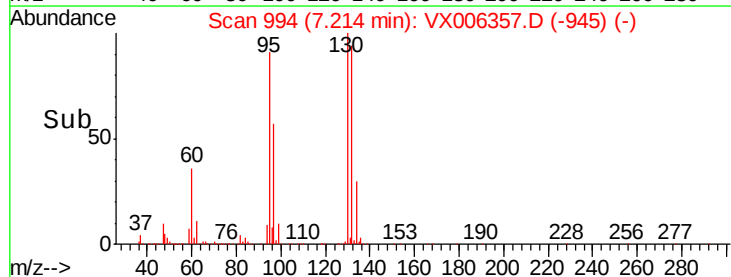
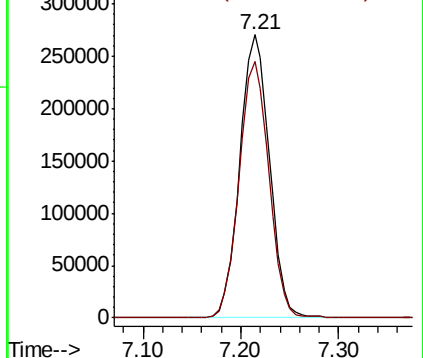
130 100

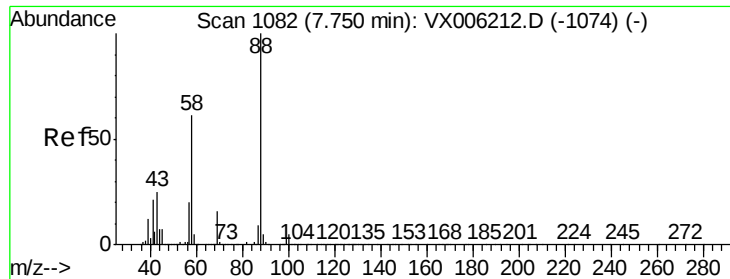
95 90.6 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.329 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006357.D

Acq: 07 Dec 2018 19:38

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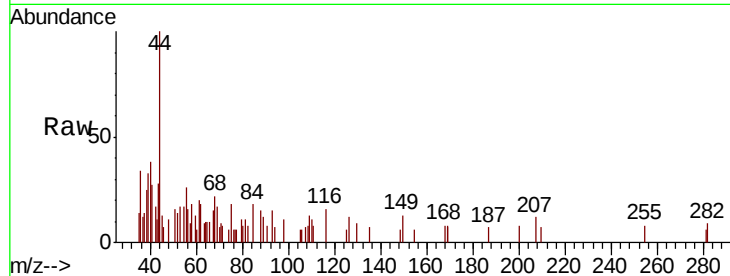
Tot Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 255.4 23.2 34.8#

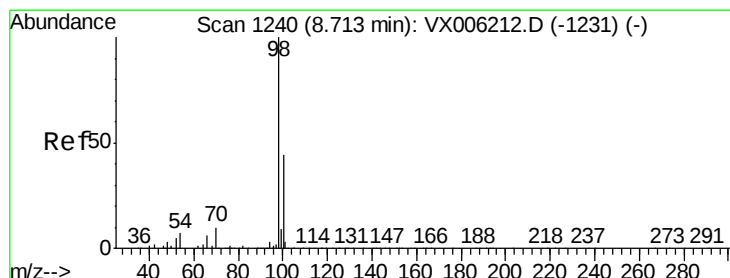
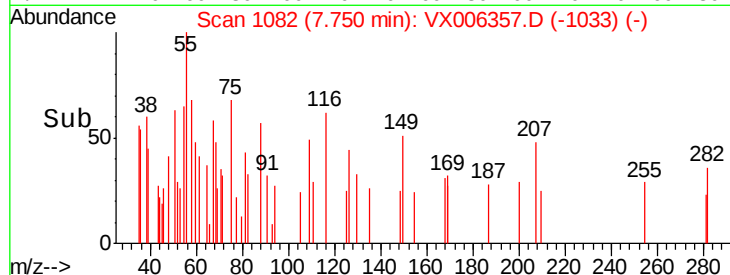
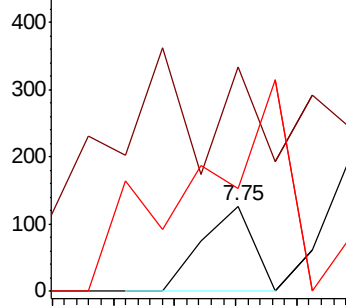
58 450.0 51.4 77.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.422 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006357.D

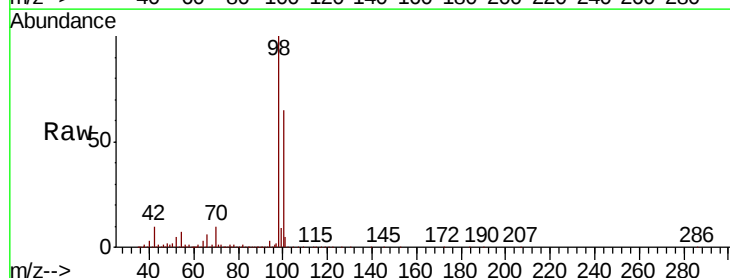
Acq: 07 Dec 2018 19:38

Tgt Ion: 98 Resp: 1389686

Ion Ratio Lower Upper

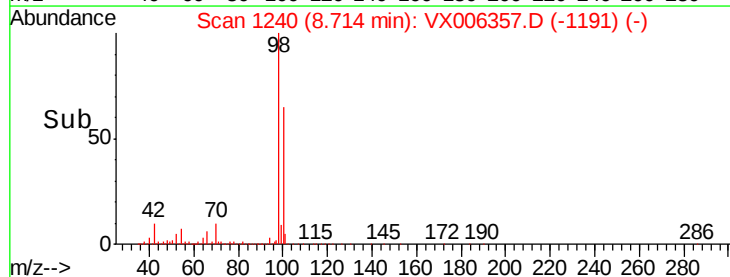
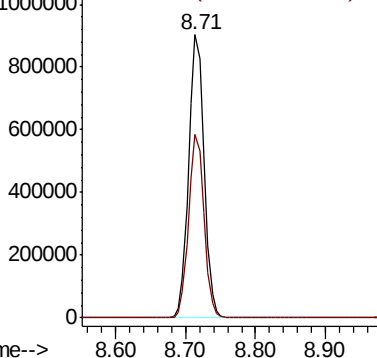
98 100

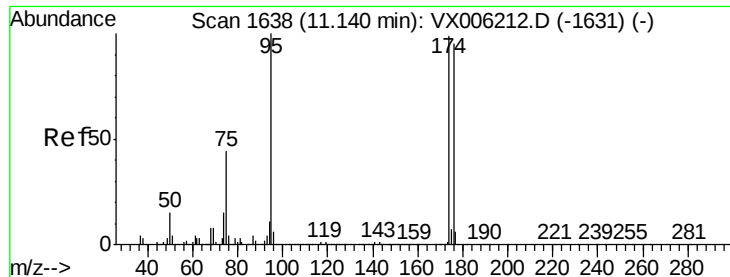
100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.281 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006357.D

Acq: 07 Dec 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20181205DL

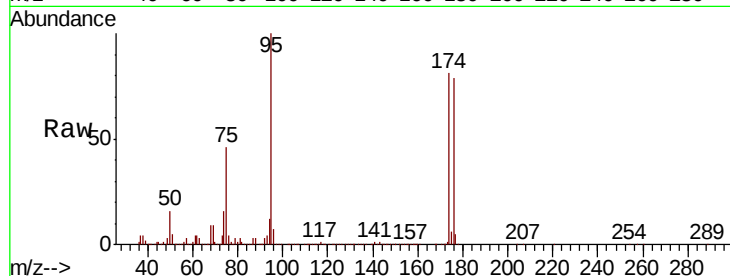
Tot Ion: 95 Resp: 511585

Ion Ratio Lower Upper

95 100

174 88.7 0.0 187.0

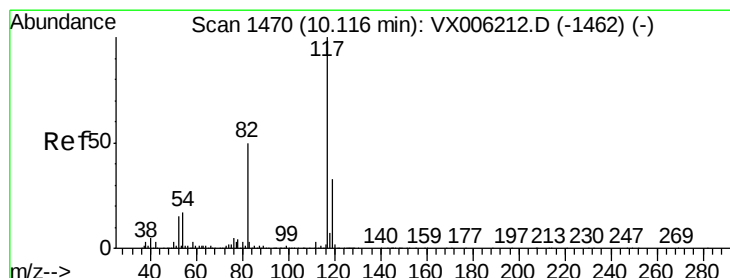
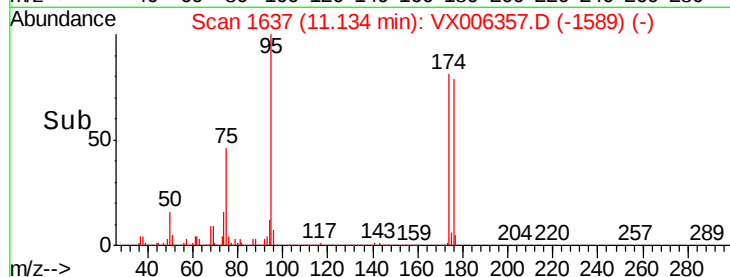
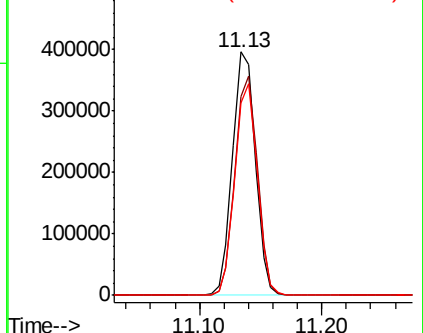
176 85.8 0.0 181.8



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: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006357.D

Acq: 07 Dec 2018 19:38

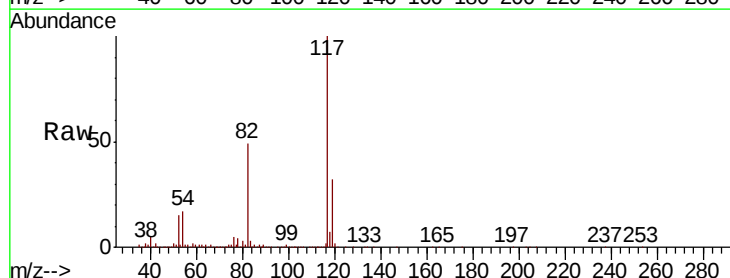
Tgt Ion: 117 Resp: 1079244

Ion Ratio Lower Upper

117 100

82 49.1 39.6 59.4

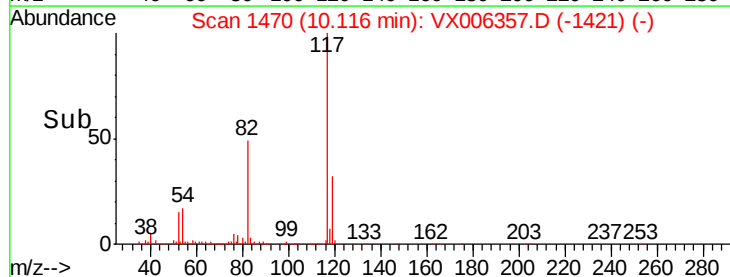
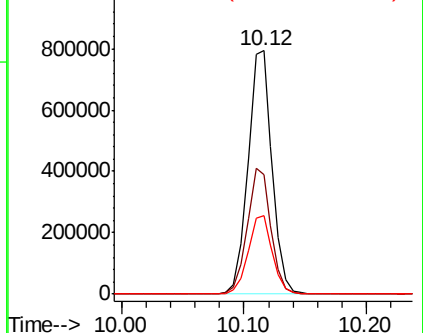
119 32.3 26.3 39.5

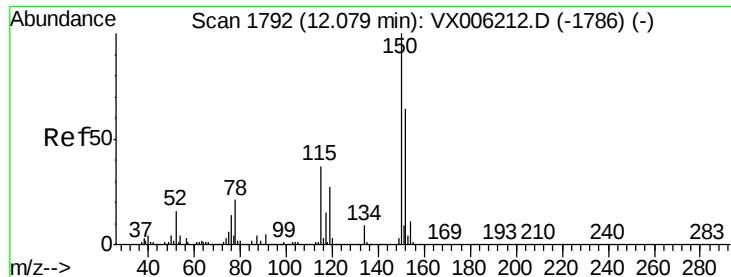


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



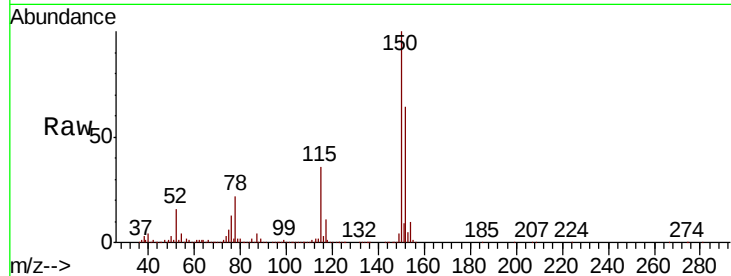


#72

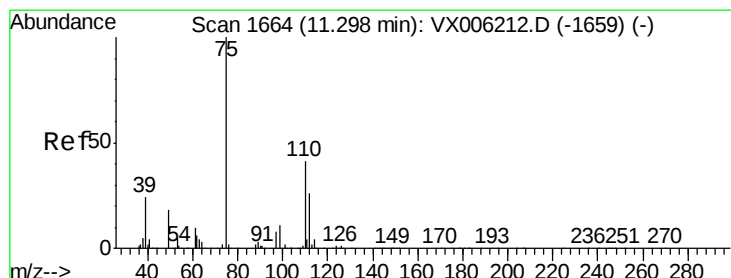
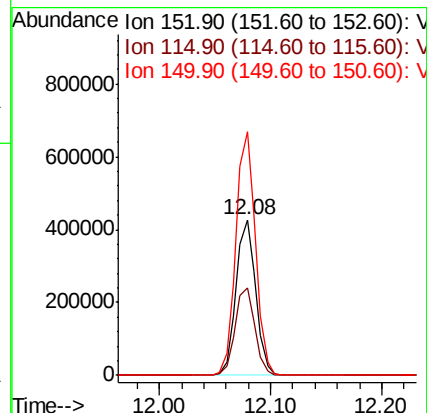
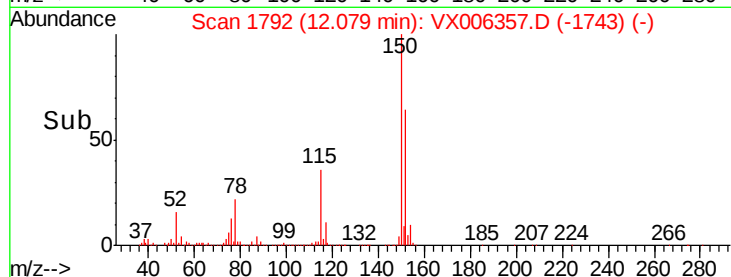
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006357.D
Acq: 07 Dec 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW305D-20181205DL

Tot Ion:152 Resp: 520544
Ion Ratio Lower Upper
152 100
115 56.4 39.0 116.9
150 155.7 0.0 345.8



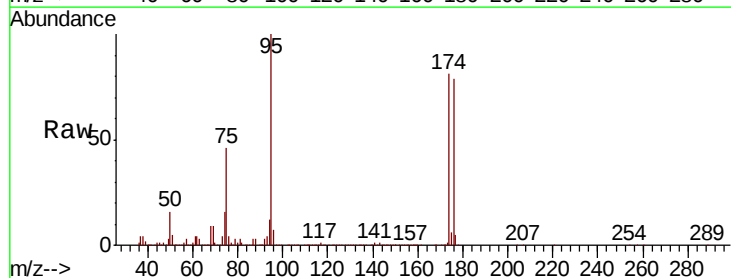
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



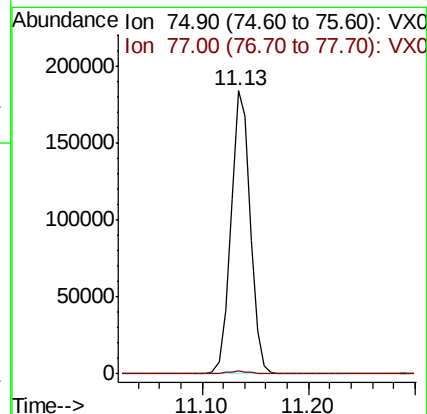
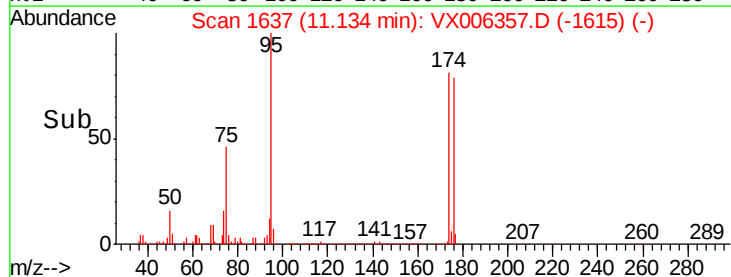
#76

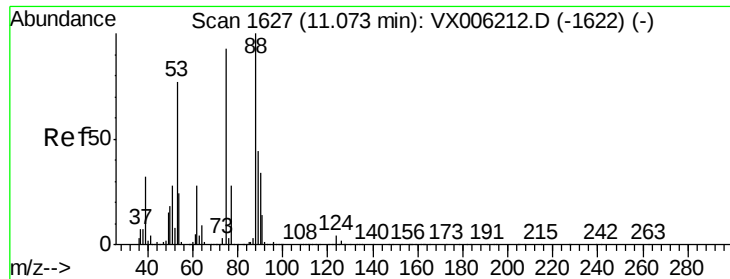
1,2,3-Trichloropropane
Concen: 23.331 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006357.D
Acq: 07 Dec 2018 19:38

Tgt Ion: 75 Resp: 234410
Ion Ratio Lower Upper
75 100
77 1.2 19.9 59.7#



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: 54.750 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006357.D

Acq: 07 Dec 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20181205DL

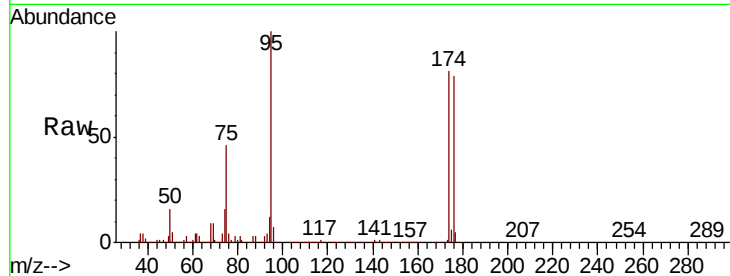
Tot Ion: 75 Resp: 234410

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.0 44.2 66.4#



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

