

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009653.D
 Acq On : 17 May 2019 10:59
 Operator : JC/SP
 Sample : K2897-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

Quant Time: May 17 15:11:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	28821	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	165208	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	145041	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	72635	30.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.27%
60) 4-Bromofluorobenzene	11.13	95	67565	27.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.37%
63) Toluene-d8	8.71	98	203479	29.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.63%

Target Compounds

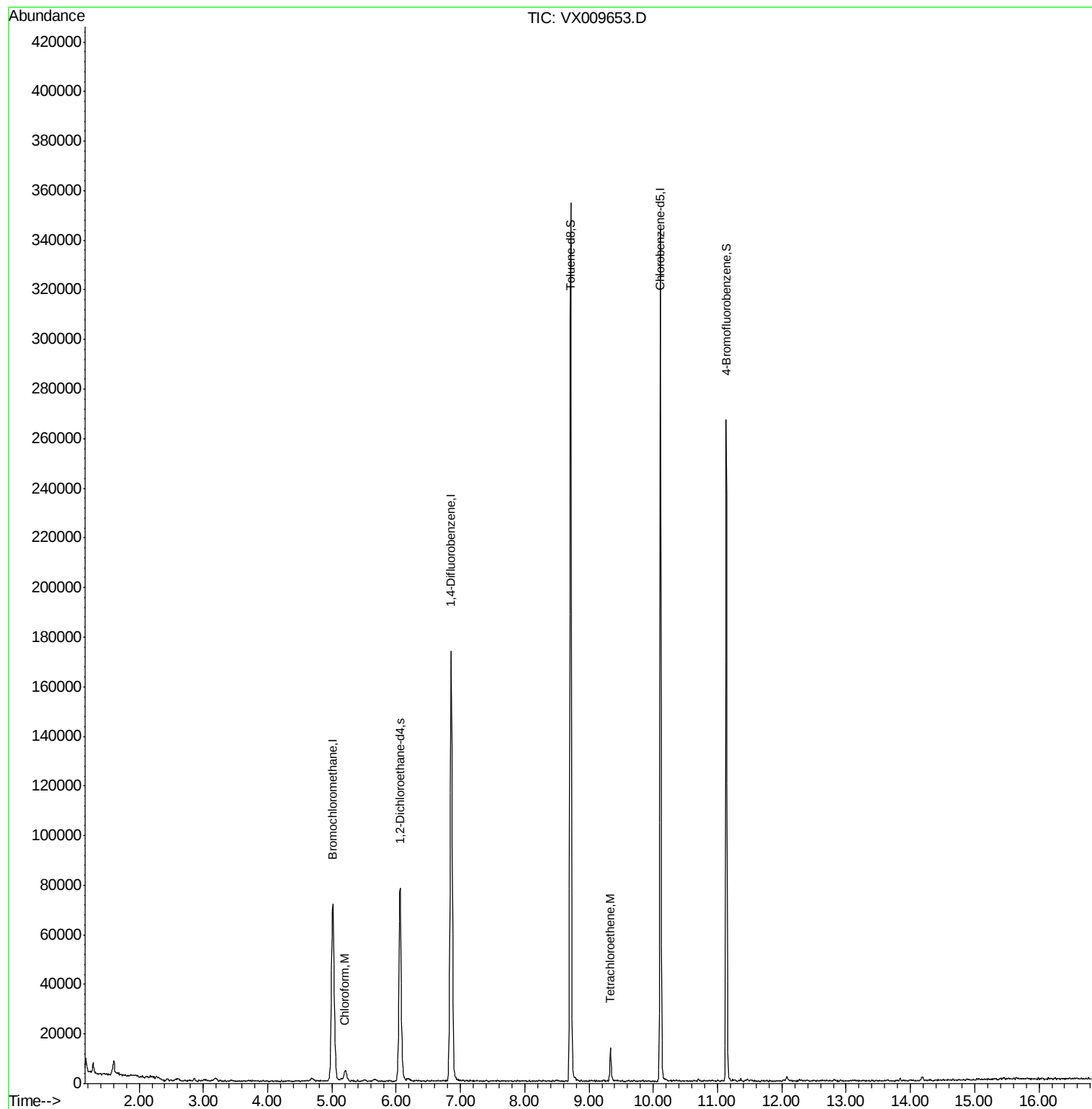
					Ovalue
25) Chloroform	5.20	83	5028	1.528	ug/l 100
61) Tetrachloroethene	9.34	164	2588	1.619	ug/l 93

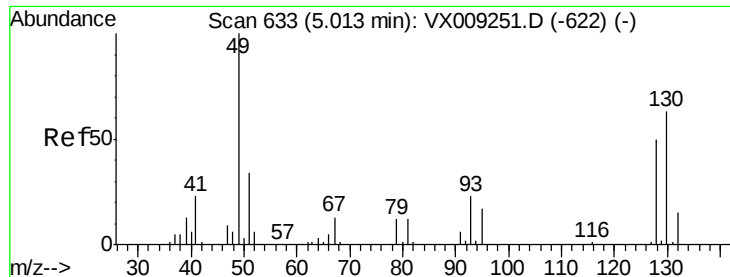
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 02 06:46:57 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX009653.D

Acq: 17 May 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

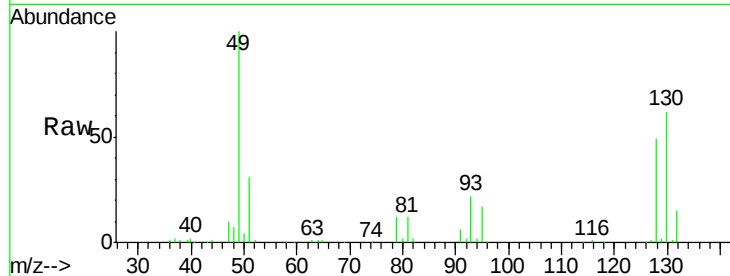
Tot Ion:128 Resp: 28821

Ion Ratio Lower Upper

128 100

49 202.1 0.0 515.0

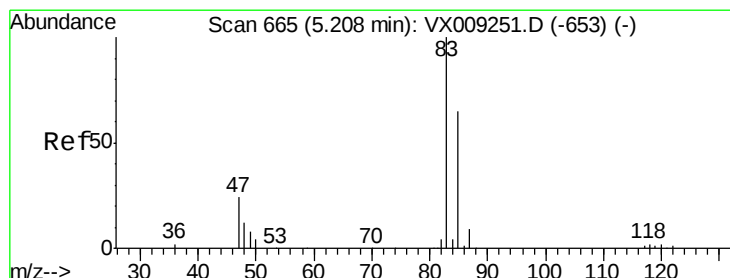
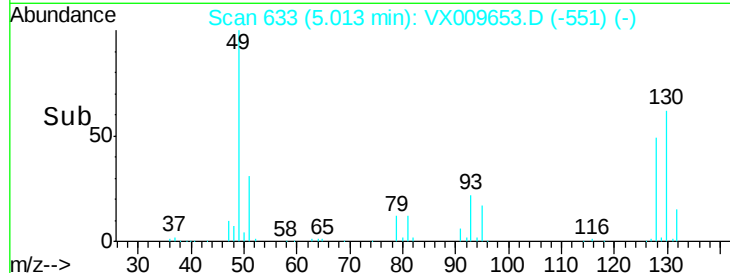
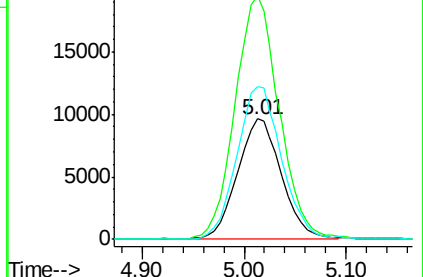
130 128.8 0.0 323.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#25

Chloroform

Concen: 1.528 ug/l

RT: 5.20 min Scan# 664

Delta R.T. -0.01 min

Lab File: VX009653.D

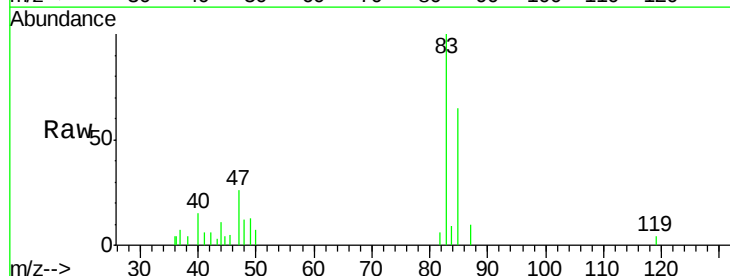
Acq: 17 May 2019 10:59

Tgt Ion: 83 Resp: 5028

Ion Ratio Lower Upper

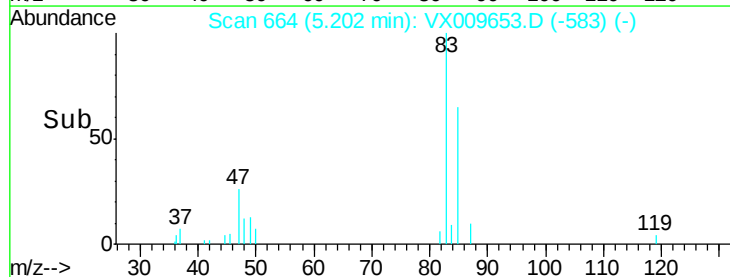
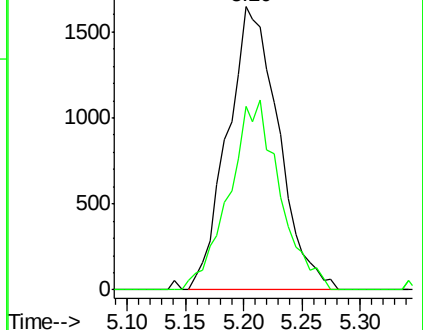
83 100

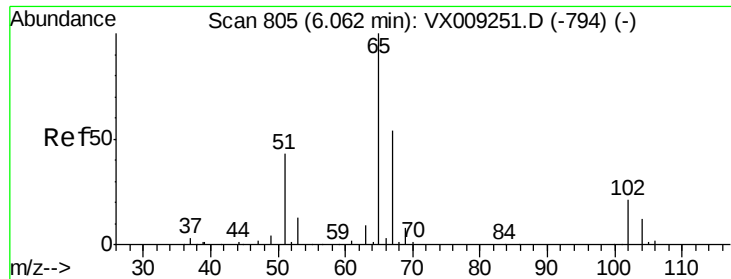
85 64.8 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.381 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009653.D

Acq: 17 May 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

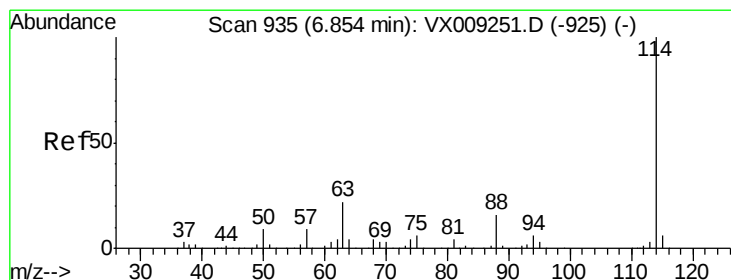
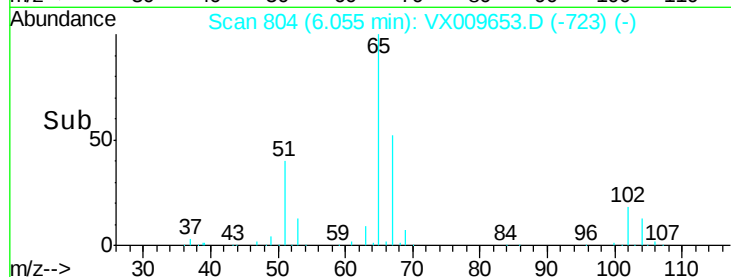
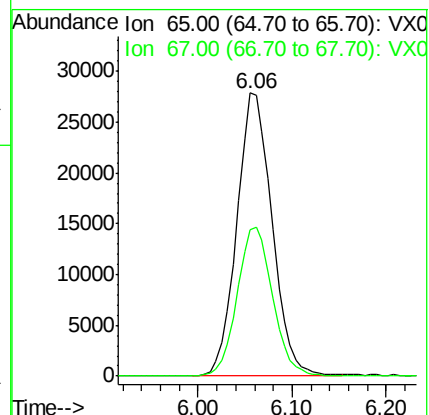
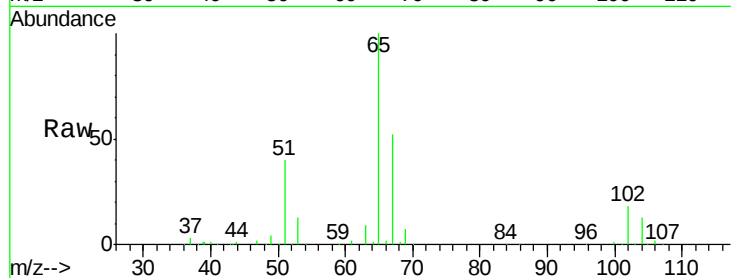
SPDES-1

Tot Ion: 65 Resp: 72635

Ion Ratio Lower Upper

65 100

67 53.0 43.1 64.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX009653.D

Acq: 17 May 2019 10:59

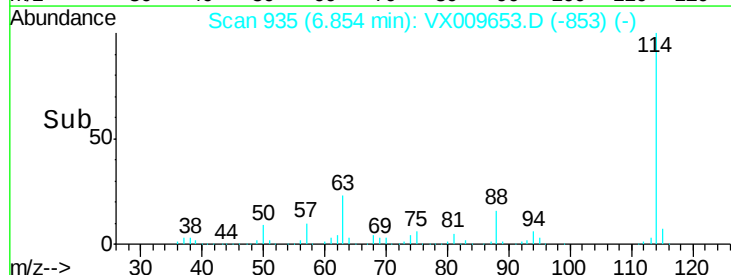
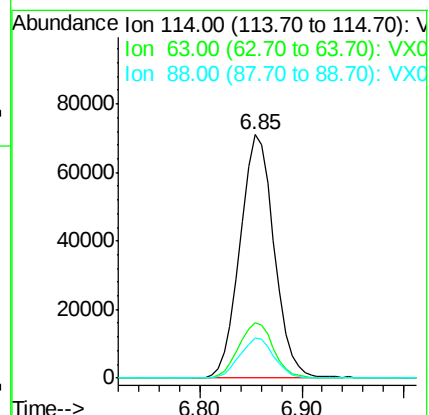
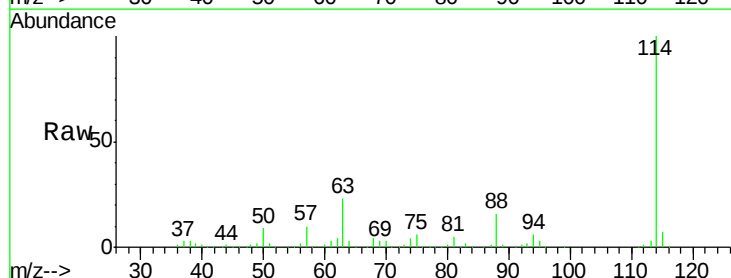
Tgt Ion: 114 Resp: 165208

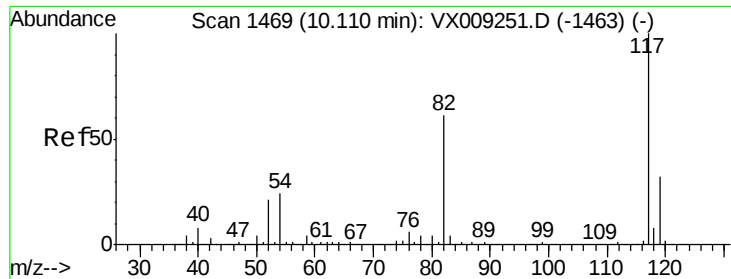
Ion Ratio Lower Upper

114 100

63 23.4 18.0 27.0

88 16.6 13.4 20.0

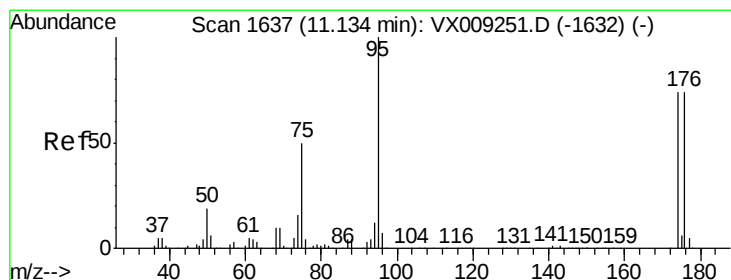
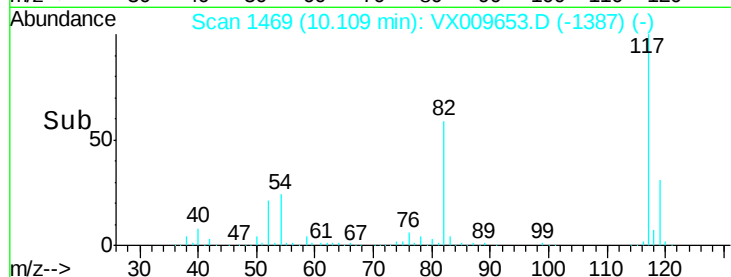
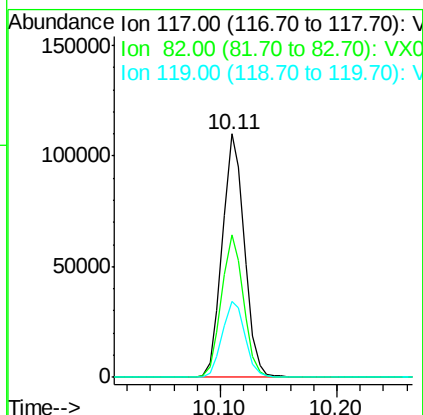
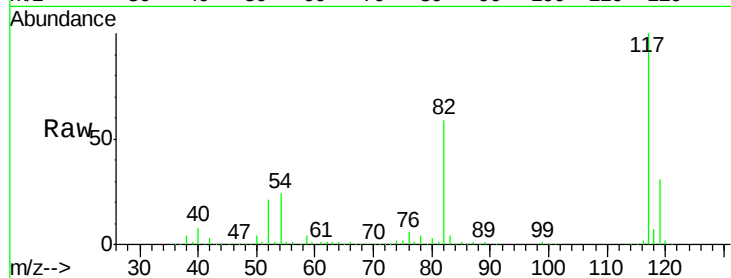




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009653.D
Acq: 17 May 2019 10:59

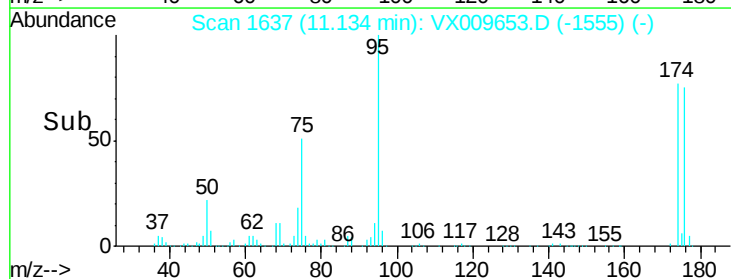
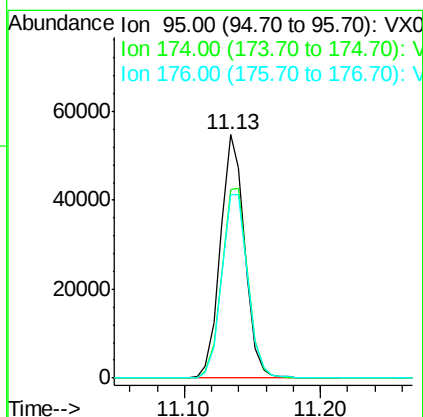
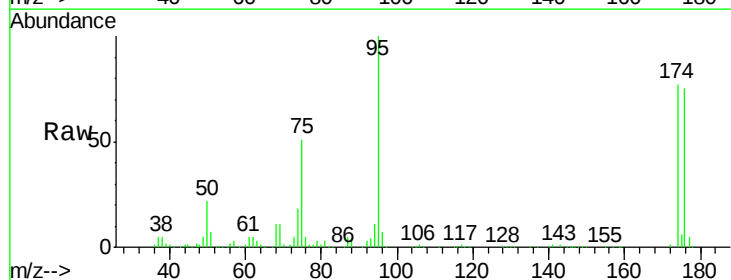
Instrument :
MSVOA_X
ClientSampled :
SPDES-1

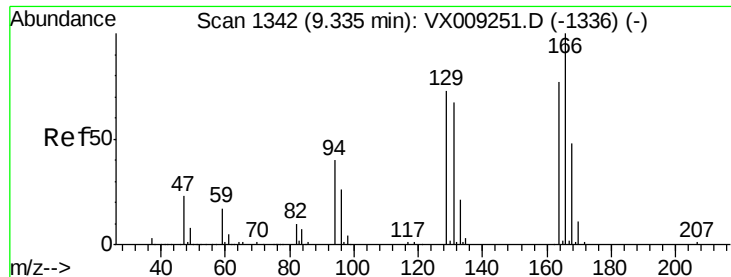
Tot Ion:117 Resp: 145041
Ion Ratio Lower Upper
117 100
82 58.2 47.8 71.8
119 31.8 25.6 38.4



#60
4-Bromofluorobenzene
Concen: 27.414 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009653.D
Acq: 17 May 2019 10:59

Tgt Ion: 95 Resp: 67565
Ion Ratio Lower Upper
95 100
174 83.2 63.6 95.4
176 81.4 62.4 93.6





#61

Tetrachloroethene

Concen: 1.619 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009653.D

Acq: 17 May 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

Tot Ion:164 Resp: 2588

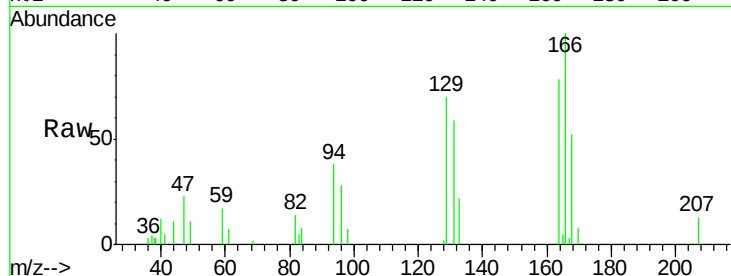
Ion Ratio Lower Upper

164 100

166 127.5 104.1 156.1

129 89.0 76.0 114.0

131 75.1 70.1 105.1

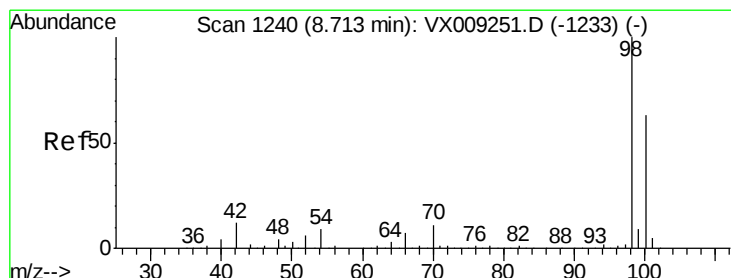
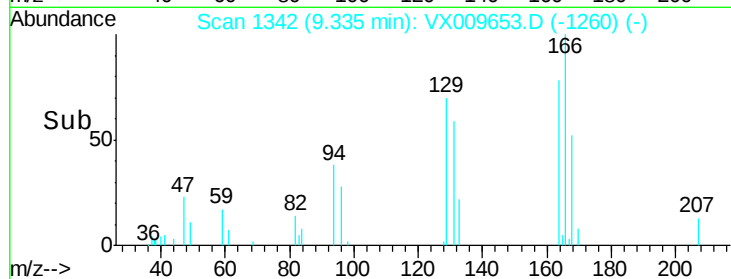
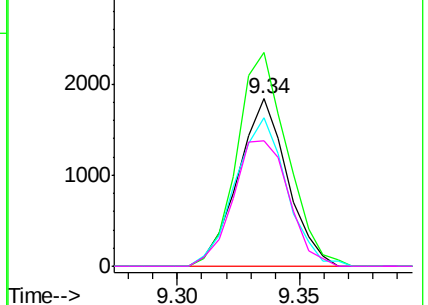


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#63

Toluene-d8

Concen: 29.590 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009653.D

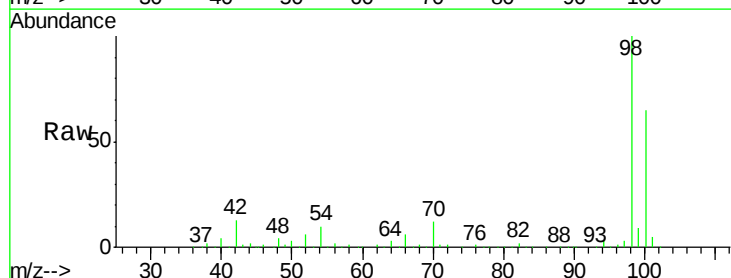
Acq: 17 May 2019 10:59

Tgt Ion: 98 Resp: 203479

Ion Ratio Lower Upper

98 100

100 64.4 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

