

Data File : VX002196.D
Acq On : 01 Jun 2018 00:22
Operator : JC/MD
Sample : J3232-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

Quant Time: Jun 01 03:49:53 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 25 02:17:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	47976	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	271156	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	238398	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	118803	31.47	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.90%
60) 4-Bromofluorobenzene	11.14	95	108984	26.71	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.03%
63) Toluene-d8	8.72	98	326173	30.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.33%

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	1174	0.39	ug/l	95
5) Bromomethane	1.66	94	1195	0.71	ug/l	87
11) Methyl Iodide	2.52	142	1003	0.27	ug/l	91
18) Methylene Chloride	2.85	84	962	0.36	ug/l #	51
23) tert-Butyl Alcohol	3.07	59	267	0.32	ug/l #	31
24) Methyl tert-Butyl Ether	3.21	73	1958	0.21	ug/l #	75
25) Chloroform	5.21	83	3207	0.61	ug/l	95
56) Bromoform	11.15	173	1422	0.44	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.14	75	58733	39.43	ug/l #	11

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

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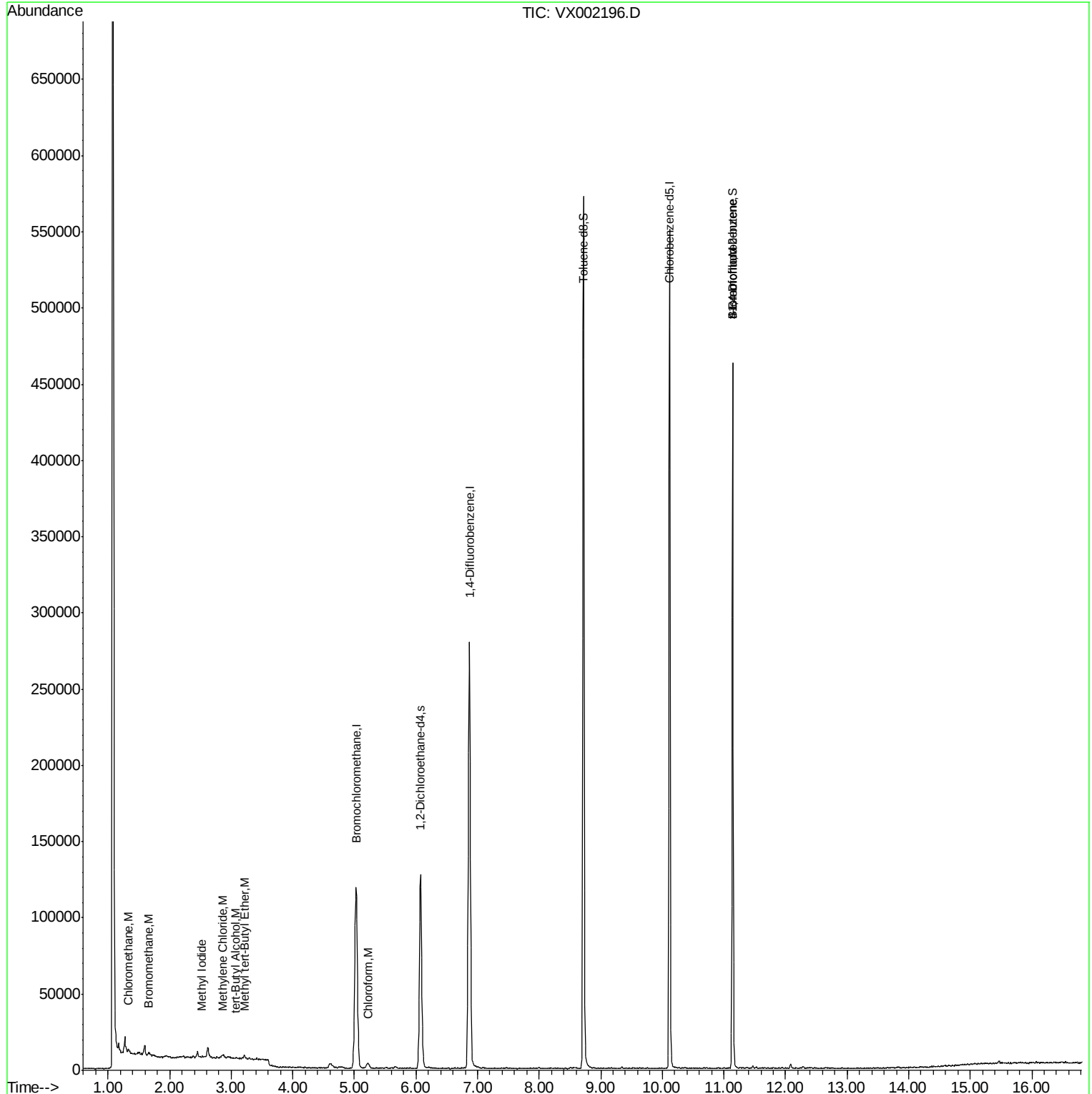
Quant Time: Jun 01 03:49:53 2018

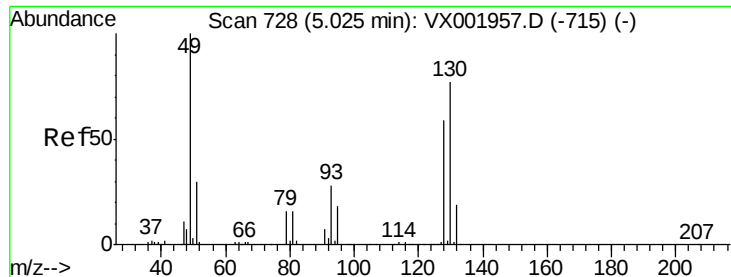
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X052518W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Fri May 25 02:17:15 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

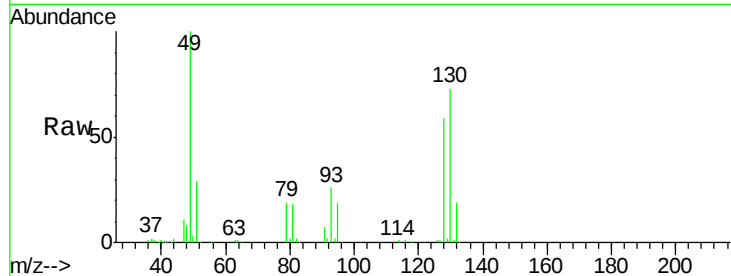
Tgt Ion:128 Resp: 47976

Ion Ratio Lower Upper

128 100

49 172.4 0.0 423.0

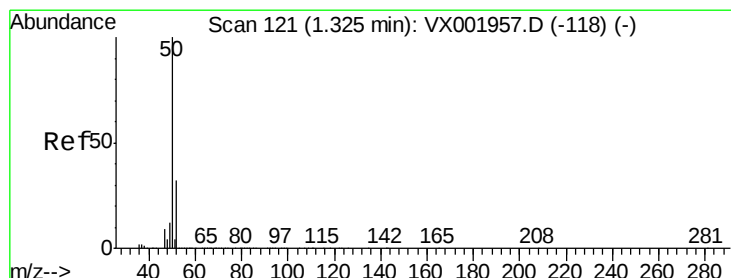
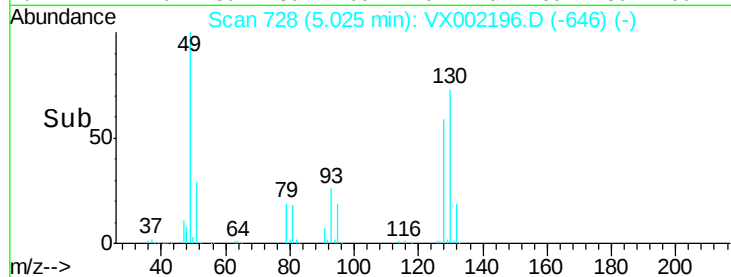
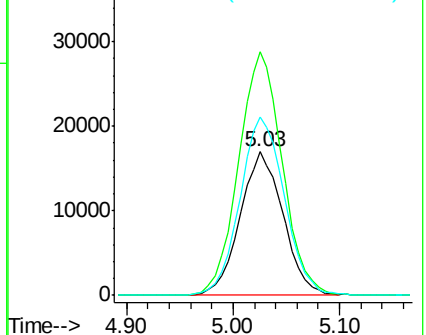
130 128.9 0.0 324.3



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



#3

Chloromethane

Concen: 0.39 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002196.D

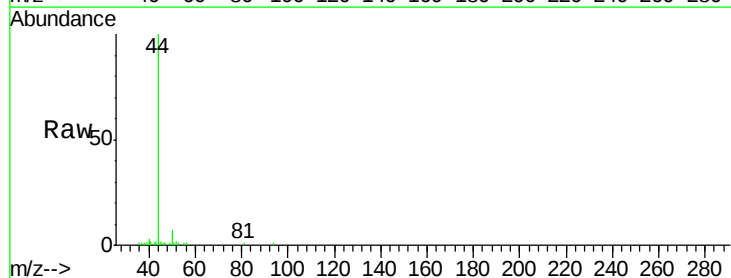
Acq: 01 Jun 2018 00:22

Tgt Ion: 50 Resp: 1174

Ion Ratio Lower Upper

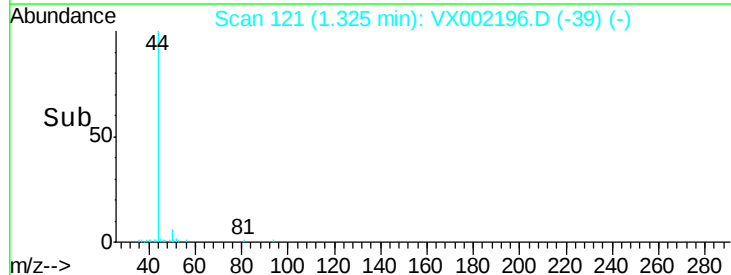
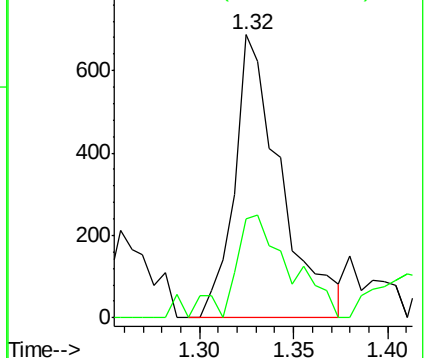
50 100

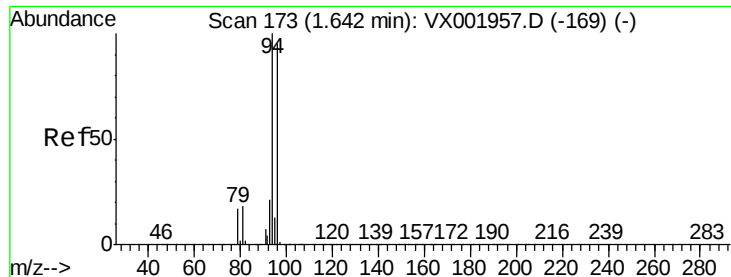
52 34.8 25.6 38.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Bromomethane

Concen: 0.71 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX002196.D

Acq: 01 Jun 2018 00:22

Instrument :

MSVOA_X

ClientSampleId :

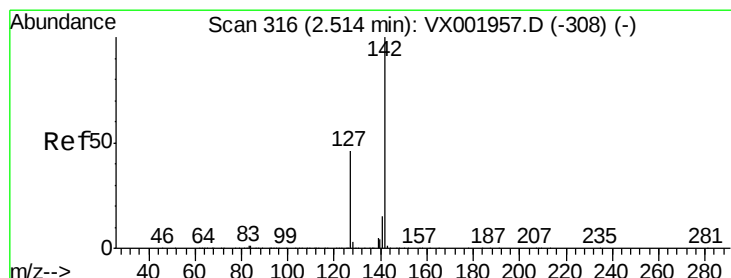
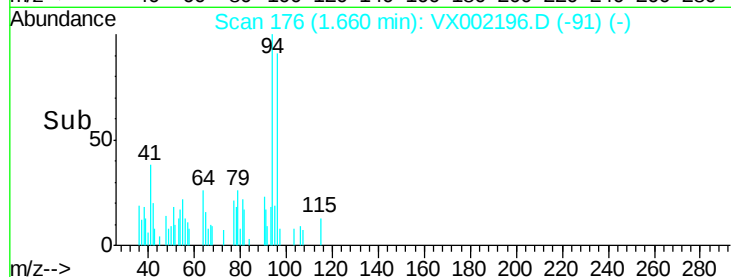
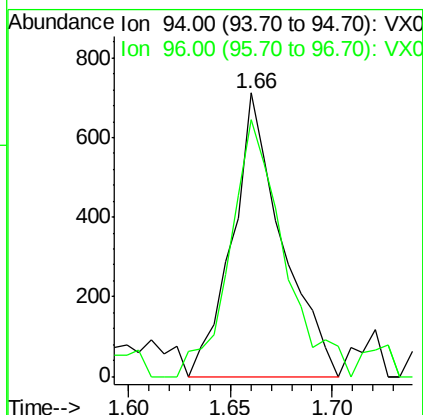
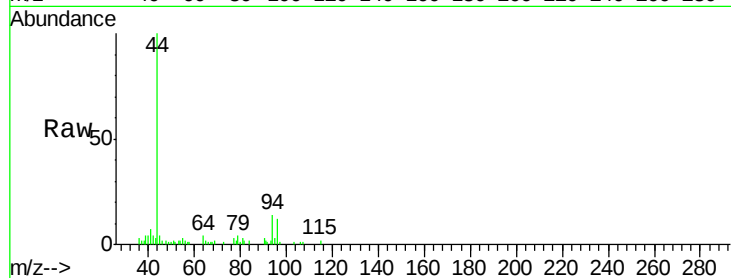
SPDES-1

Tgt Ion: 94 Resp: 1195

Ion Ratio Lower Upper

94 100

96 81.6 75.7 113.5



#11

Methyl Iodide

Concen: 0.27 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002196.D

Acq: 01 Jun 2018 00:22

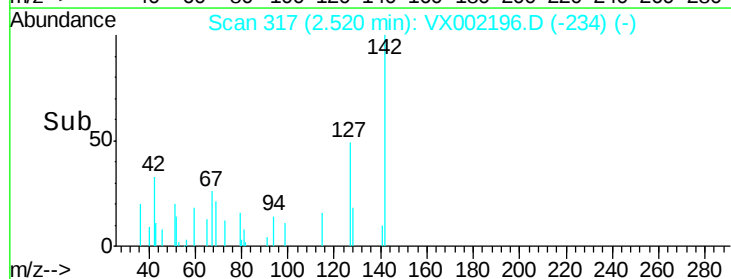
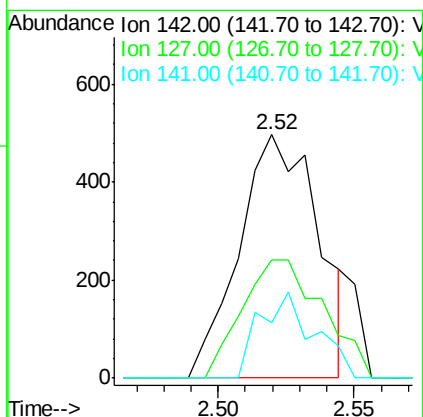
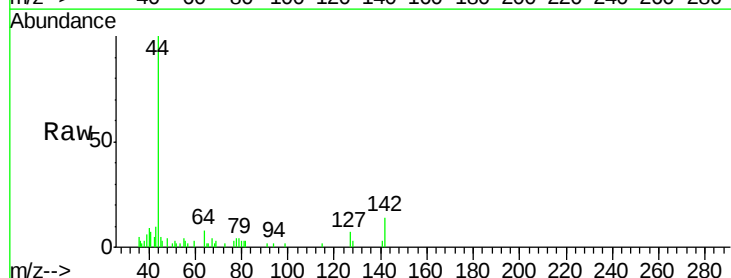
Tgt Ion: 142 Resp: 1003

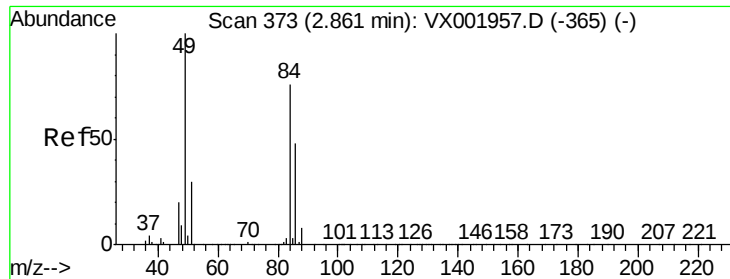
Ion Ratio Lower Upper

142 100

127 51.4 23.2 69.6

141 21.1 7.4 22.2

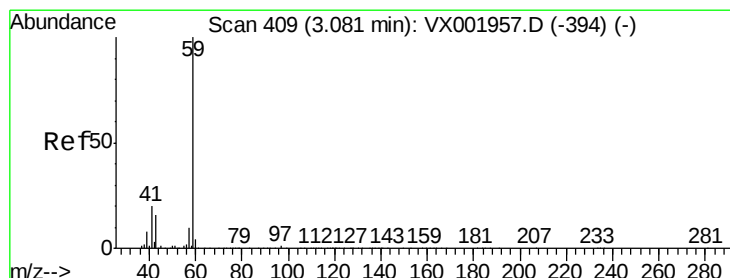
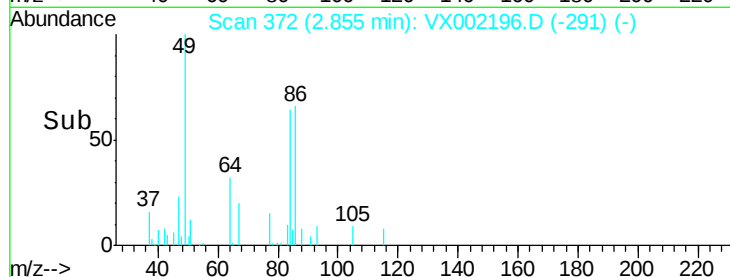
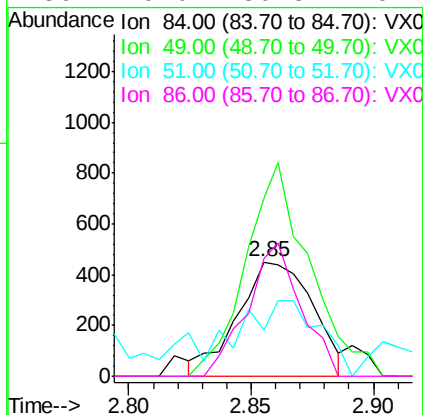
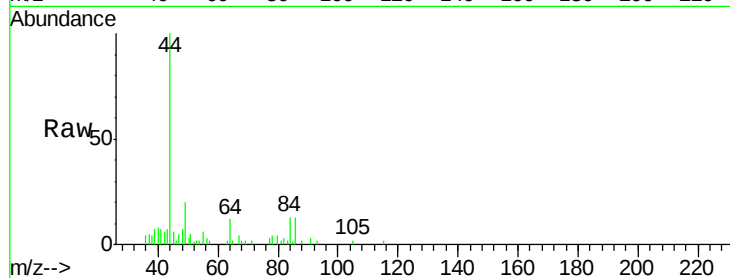




#18
Methylene Chloride
Concen: 0.36 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002196.D
Acq: 01 Jun 2018 00:22

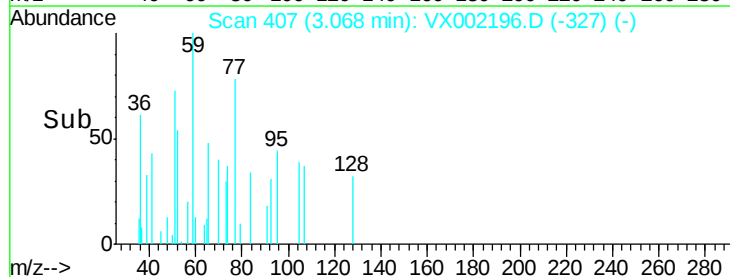
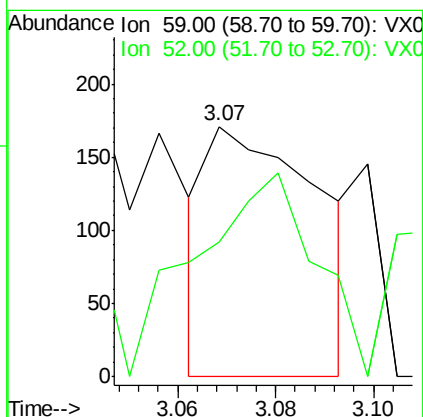
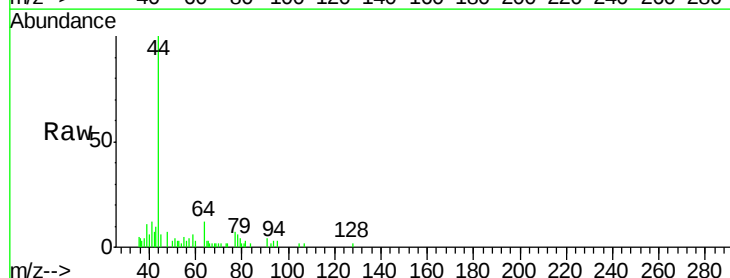
Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

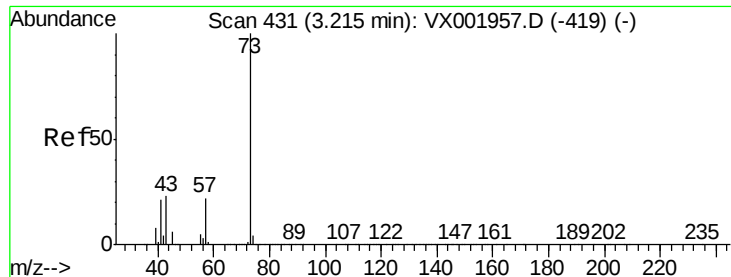
Tgt Ion: 84 Resp: 962
Ion Ratio Lower Upper
84 100
49 179.7 104.7 157.1#
51 15.7 31.0 46.4#
86 119.0 50.8 76.2#



#23
tert-Butyl Alcohol
Concen: 0.32 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002196.D
Acq: 01 Jun 2018 00:22

Tgt Ion: 59 Resp: 267
Ion Ratio Lower Upper
59 100
52 89.1 0.2 0.2#





#24

Methyl tert-Butyl Ether

Concen: 0.21 ug/l

RT: 3.21 min Scan# 431

Delta R.T. -0.00 min

Lab File: VX002196.D

Acq: 01 Jun 2018 00:22

Instrument :

MSVOA_X

ClientSampleId :

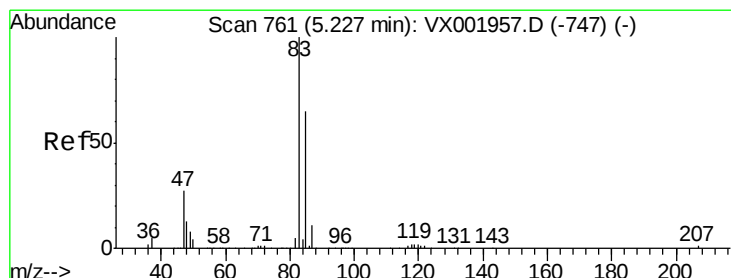
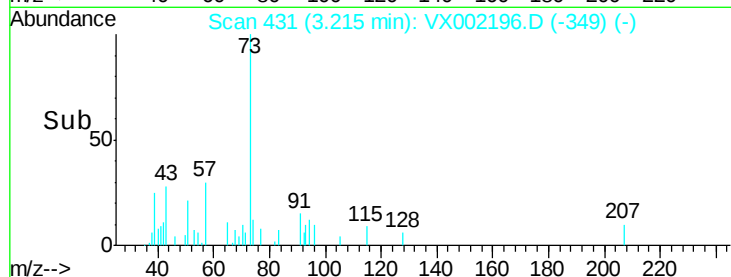
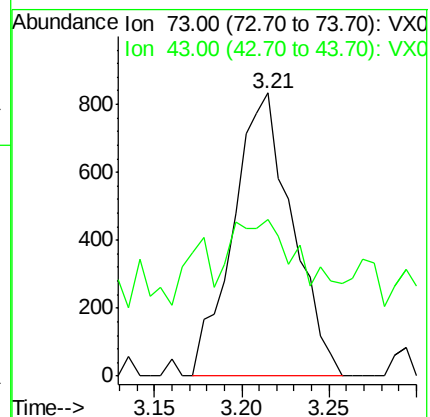
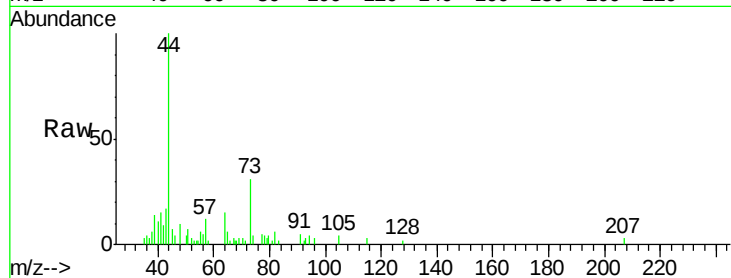
SPDES-1

Tgt Ion: 73 Resp: 1958

Ion Ratio Lower Upper

73 100

43 11.5 19.0 28.4#



#25

Chloroform

Concen: 0.61 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX002196.D

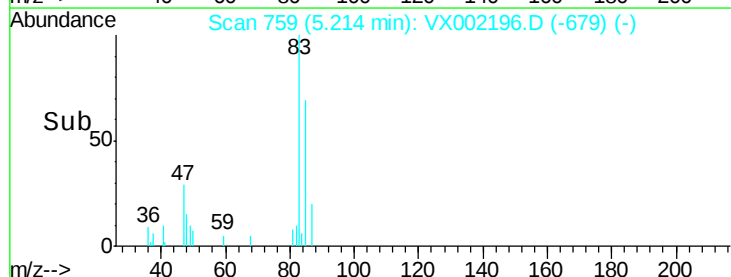
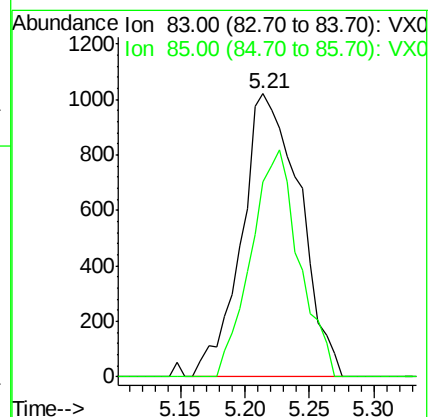
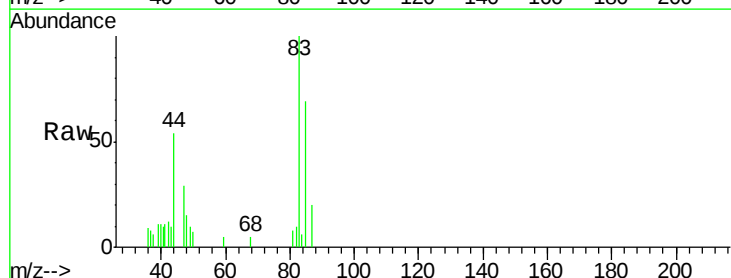
Acq: 01 Jun 2018 00:22

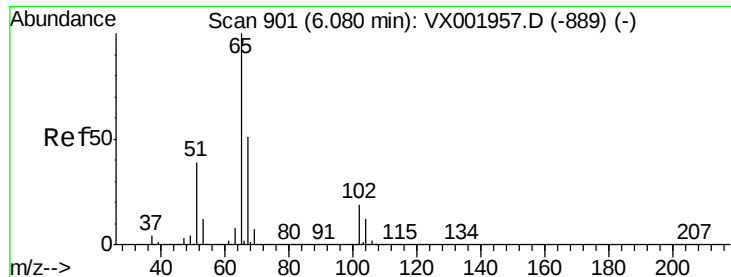
Tgt Ion: 83 Resp: 3207

Ion Ratio Lower Upper

83 100

85 69.0 51.9 77.9

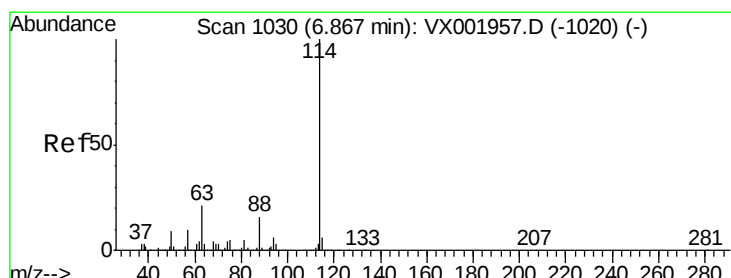
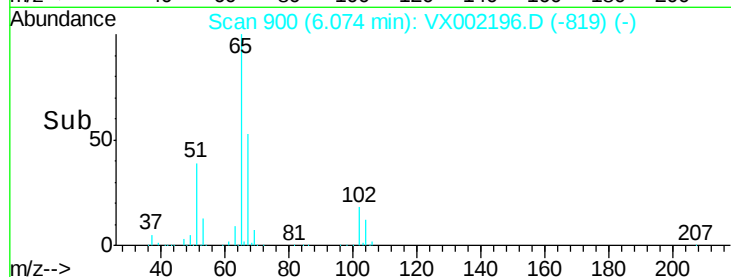
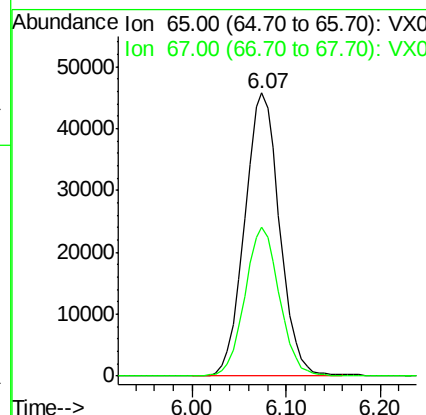
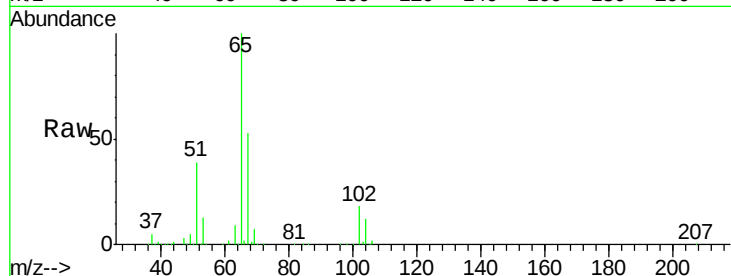




#27
 1,2-Dichloroethane-d4
 Concen: 31.47 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX002196.D
 Acq: 01 Jun 2018 00:22

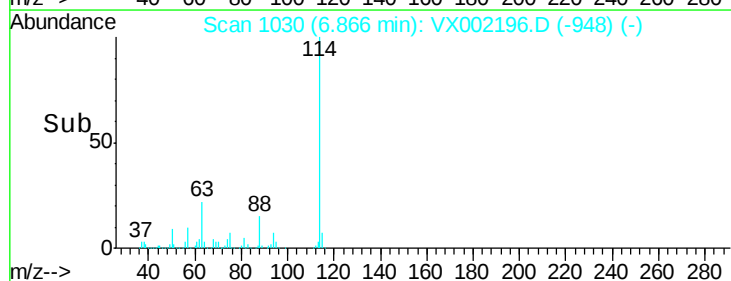
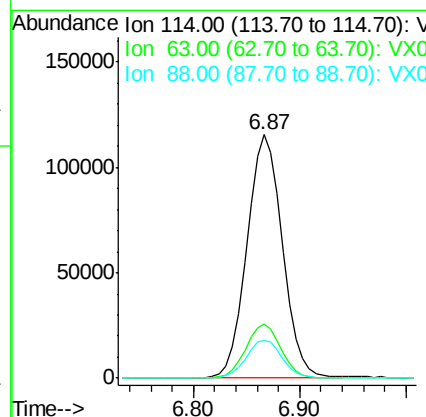
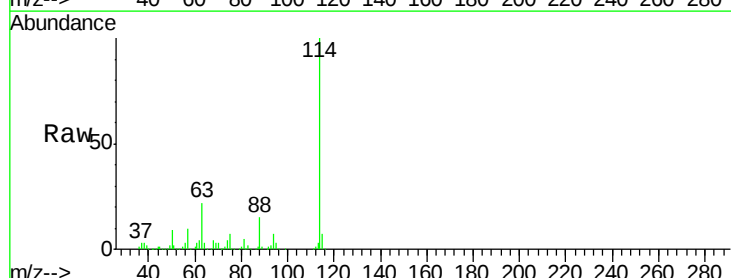
Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

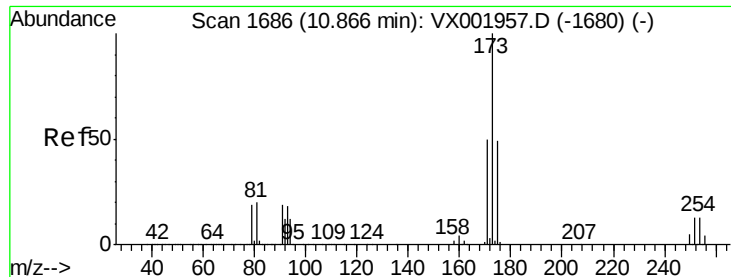
Tgt Ion: 65 Resp: 118803
 Ion Ratio Lower Upper
 65 100
 67 51.9 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002196.D
 Acq: 01 Jun 2018 00:22

Tgt Ion: 114 Resp: 271156
 Ion Ratio Lower Upper
 114 100
 63 22.0 17.1 25.7
 88 15.8 12.6 19.0





#56

Bromoform

Concen: 0.44 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.28 min

Lab File: VX002196.D

Acq: 01 Jun 2018 00:22

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

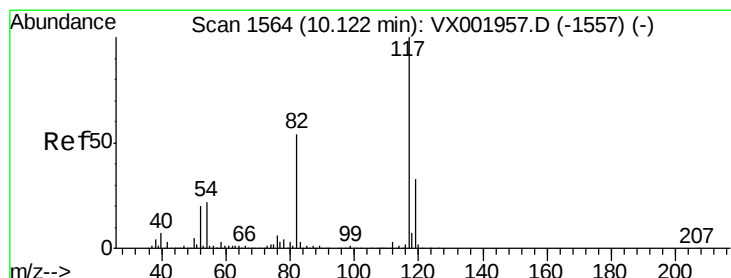
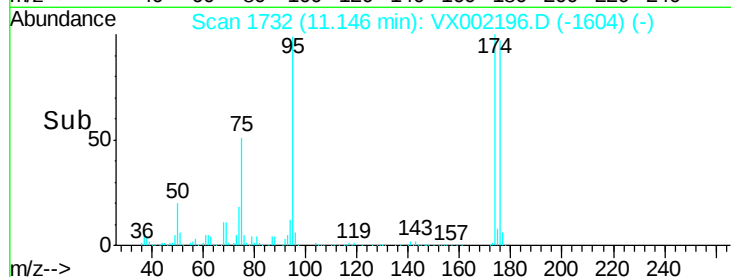
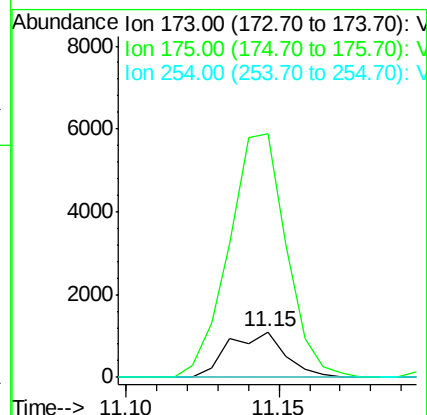
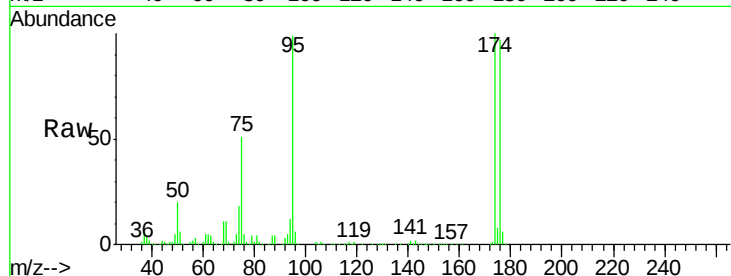
Tgt Ion:173 Resp: 1422

Ion Ratio Lower Upper

173 100

175 539.7 39.0 58.4#

254 0.0 9.6 14.4#



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX002196.D

Acq: 01 Jun 2018 00:22

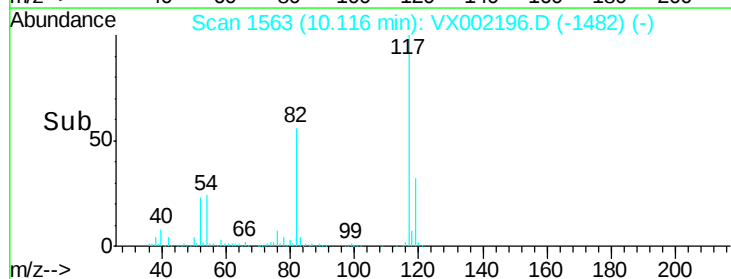
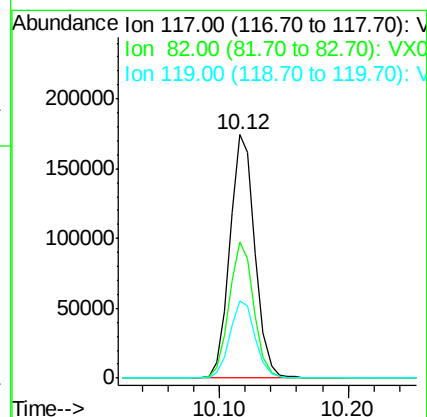
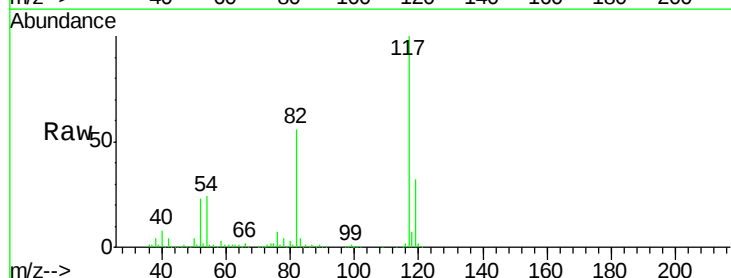
Tgt Ion:117 Resp: 238398

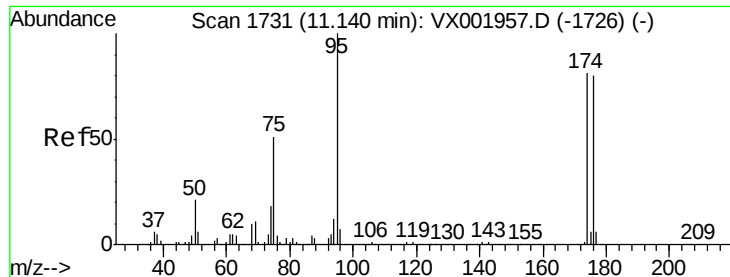
Ion Ratio Lower Upper

117 100

82 55.2 44.3 66.5

119 32.0 25.7 38.5

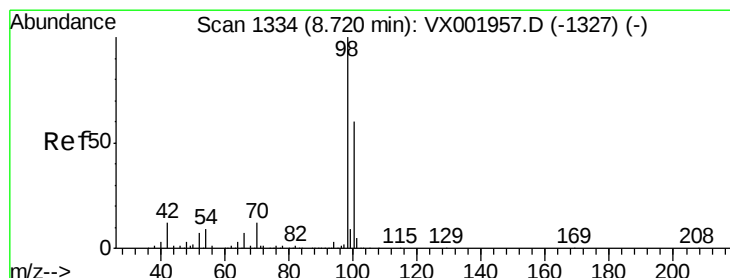
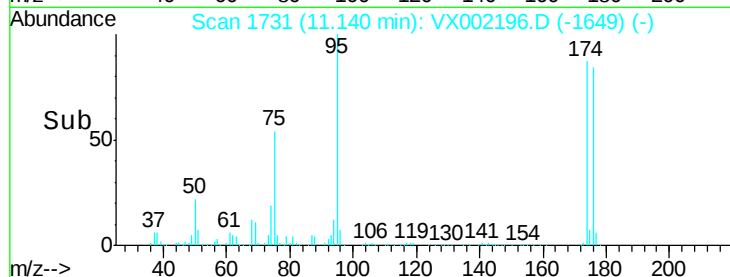
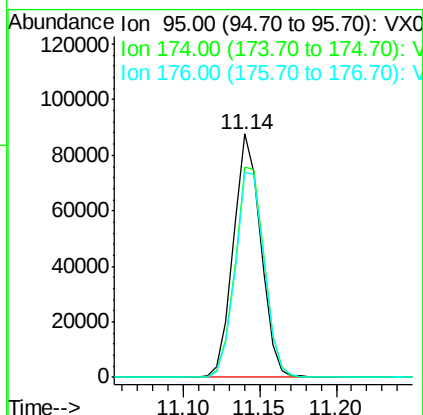
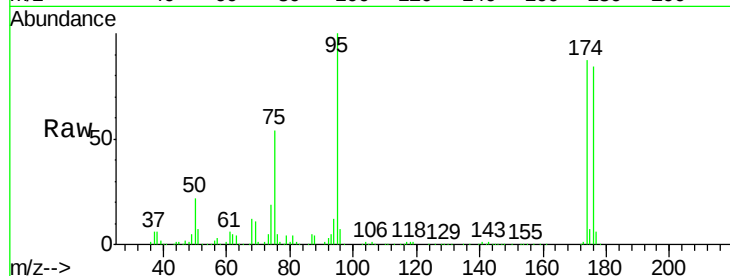




#60
4-Bromofluorobenzene
Concen: 26.71 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002196.D
Acq: 01 Jun 2018 00:22

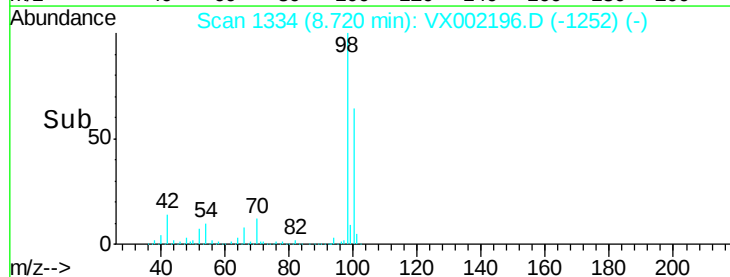
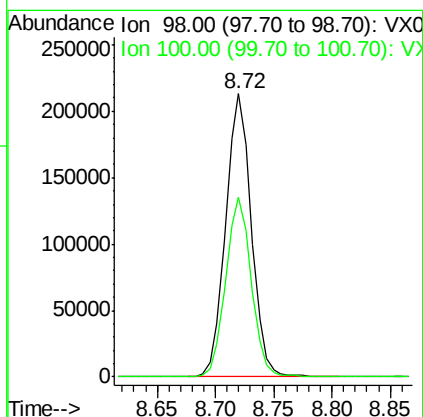
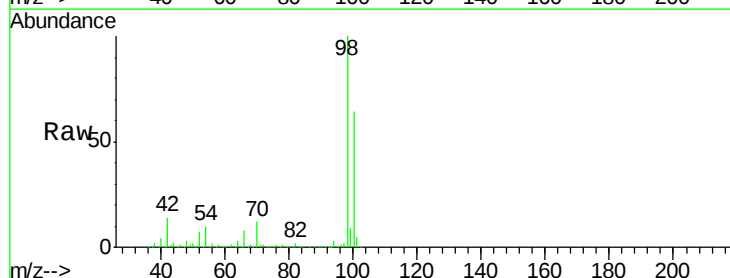
Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

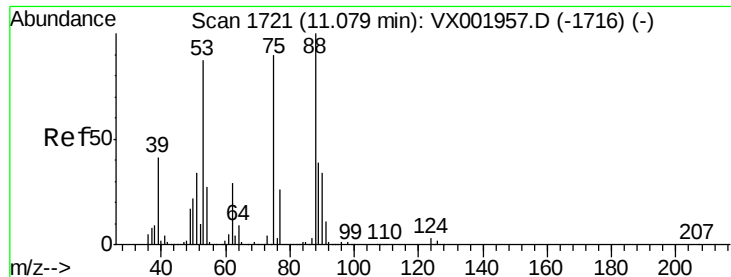
Tgt Ion: 95 Resp: 108984
Ion Ratio Lower Upper
95 100
174 91.5 71.8 107.6
176 88.8 70.1 105.1



#63
Toluene-d8
Concen: 30.70 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002196.D
Acq: 01 Jun 2018 00:22

Tgt Ion: 98 Resp: 326173
Ion Ratio Lower Upper
98 100
100 63.2 50.8 76.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 39.43 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002196.D
 Acq: 01 Jun 2018 00:22

Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

Tgt Ion: 75 Resp: 58733
 Ion Ratio Lower Upper
 75 100
 53 0.0 48.3 144.9#
 89 0.0 21.8 65.4#

