

Data File : VX001965.D
Acq On : 25 May 2018 02:59
Operator : JC/MD
Sample : J3126-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

Quant Time: May 25 03:21:32 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	71268	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	386640	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	335445	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.08	65	166273	29.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.83%
60) 4-Bromofluorobenzene	11.14	95	158340	27.57	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.90%
63) Toluene-d8	8.72	98	456661	30.54	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.80%

Target Compounds

						Qvalue
5) Bromomethane	1.67	94	2216	0.88	ug/l	95
11) Methyl Iodide	2.53	142	3450	0.62	ug/l	94
13) Acrolein	2.30	56	201	0.41	ug/l	99
14) Acrylonitrile	3.16	53	678	0.29	ug/l	64
18) Methylene Chloride	2.87	84	1145	0.29	ug/l #	51
23) tert-Butyl Alcohol	3.09	59	765	0.62	ug/l #	93
25) Chloroform	5.23	83	3967	0.51	ug/l	88
56) Bromoform	11.14	173	1536	0.34	ug/l #	1
61) Tetrachloroethene	9.34	164	1170	0.23	ug/l #	85
84) 1,4-Dichlorobenzene	12.10	146	1927	0.21	ug/l	94
89) 1,2,4-Trichlorobenzene	13.65	180	1695	0.25	ug/l	94
91) Naphthalene	13.84	128	4356	0.20	ug/l	98

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

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Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 34 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

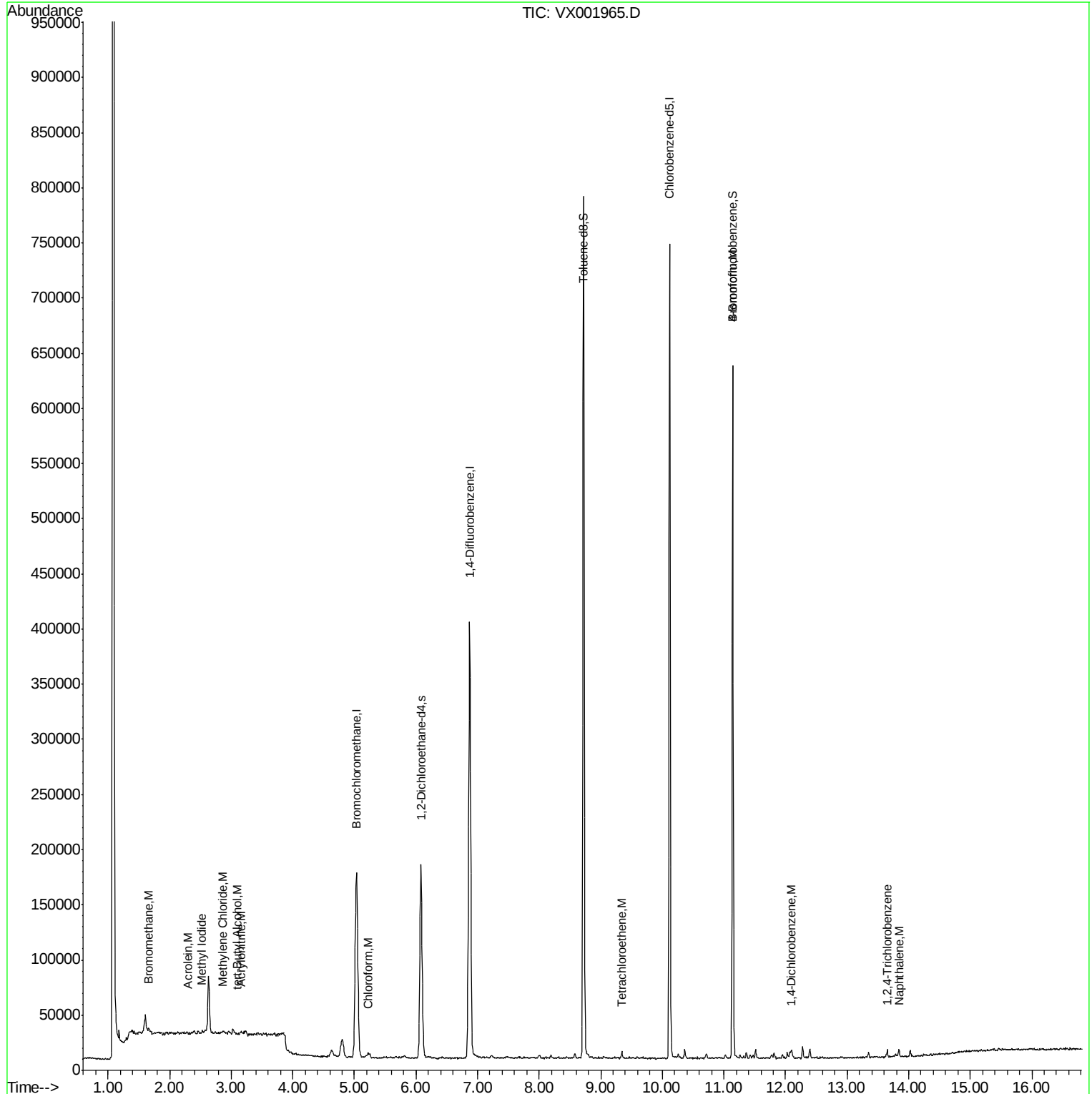
Quant Time: May 25 03:21:32 2018

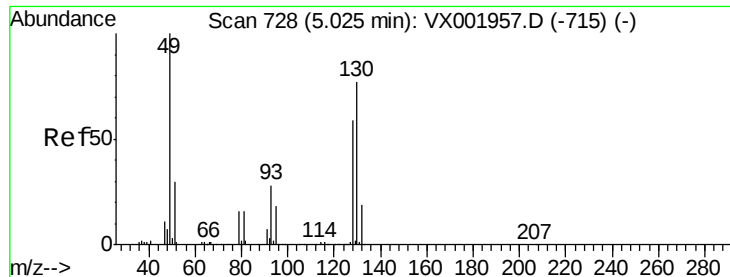
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X052518W.M

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# 729

Delta R.T. 0.01 min

Lab File: VX001965.D

Acq: 25 May 2018 02:59

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

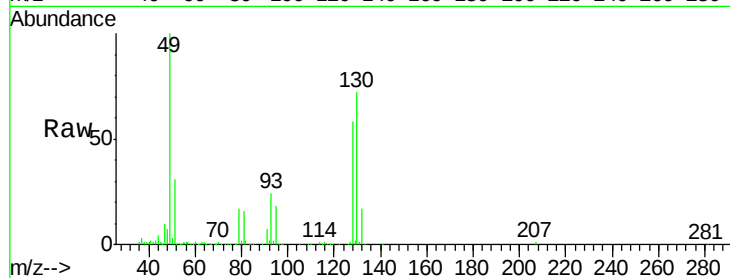
Tgt Ion:128 Resp: 71268

Ion Ratio Lower Upper

128 100

49 169.1 0.0 423.0

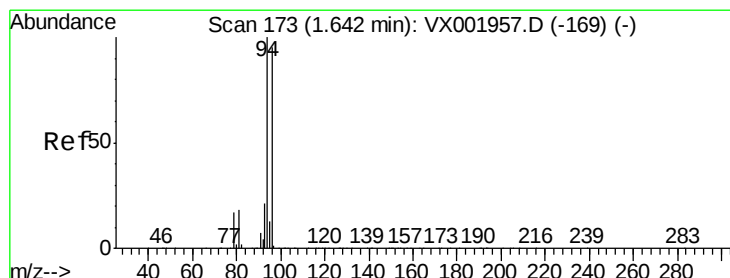
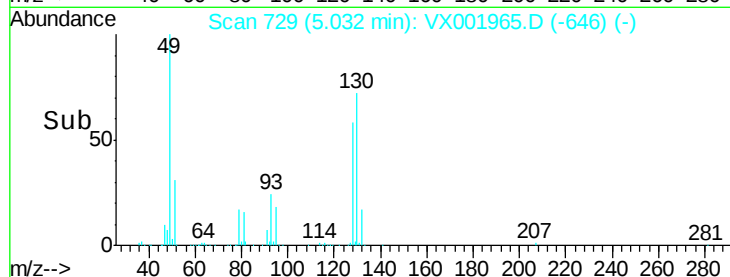
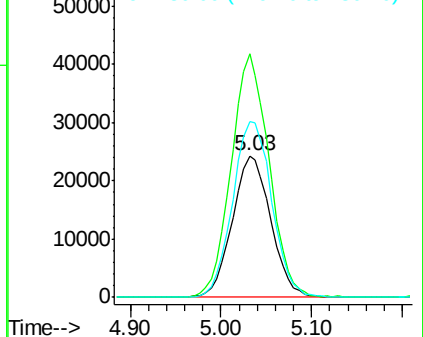
130 127.3 0.0 324.3



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



#5

Bromomethane

Concen: 0.88 ug/l

RT: 1.67 min Scan# 177

Delta R.T. 0.02 min

Lab File: VX001965.D

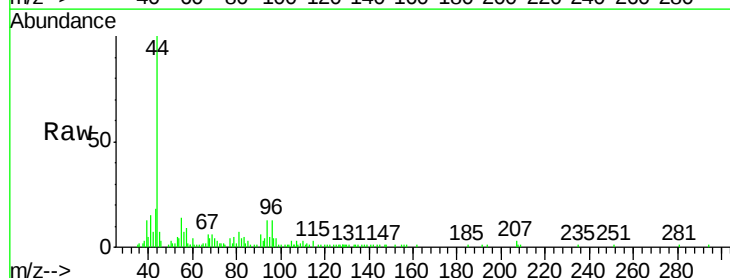
Acq: 25 May 2018 02:59

Tgt Ion: 94 Resp: 2216

Ion Ratio Lower Upper

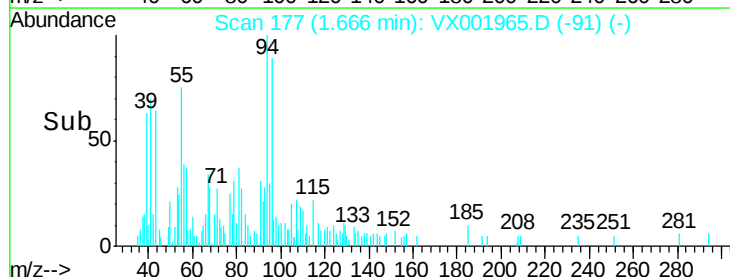
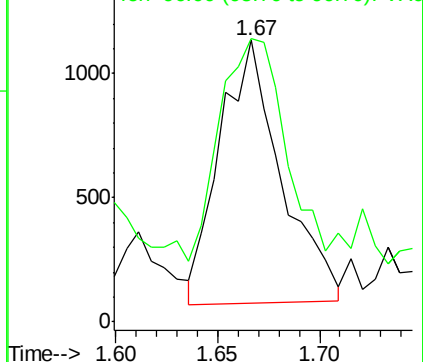
94 100

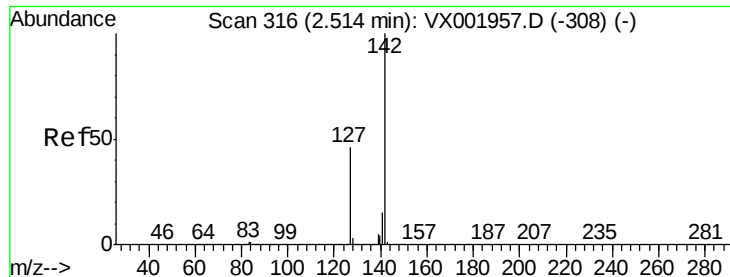
96 90.1 75.7 113.5



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

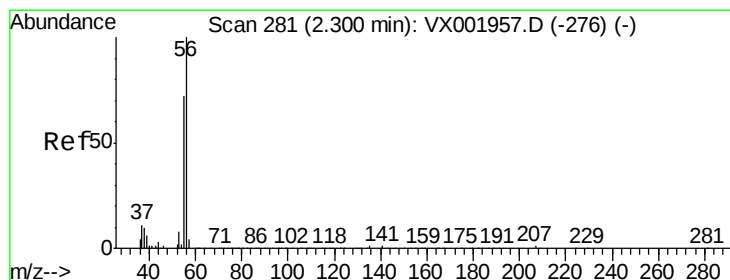
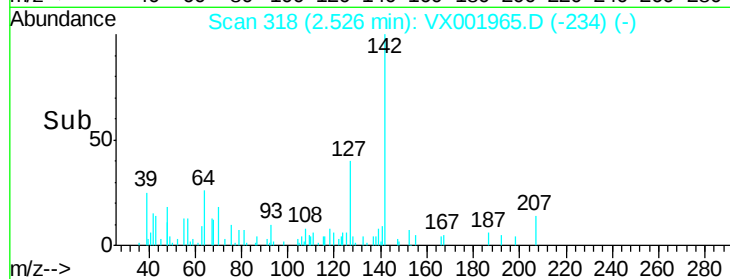
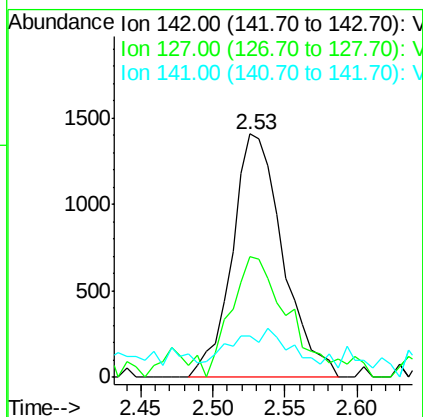
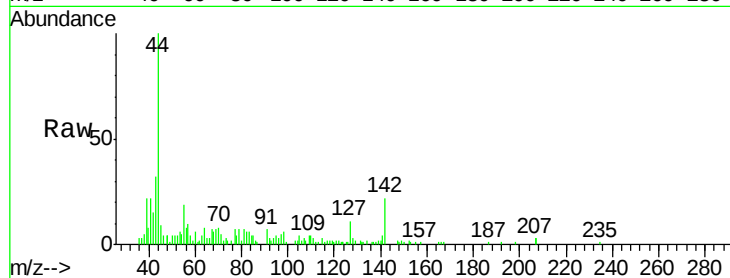




#11
Methyl Iodide
Concen: 0.62 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001965.D
Acq: 25 May 2018 02:59

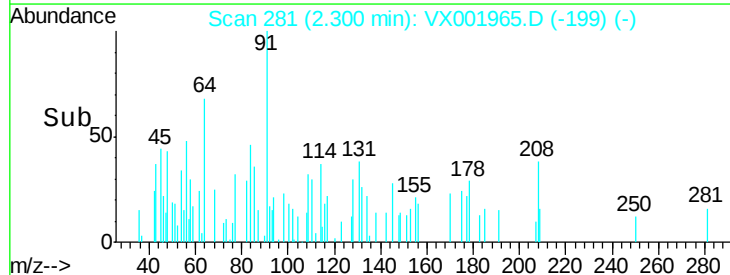
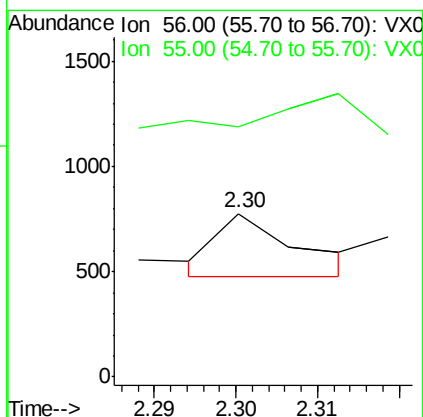
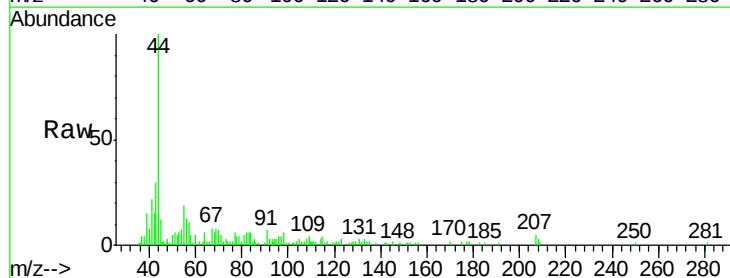
Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

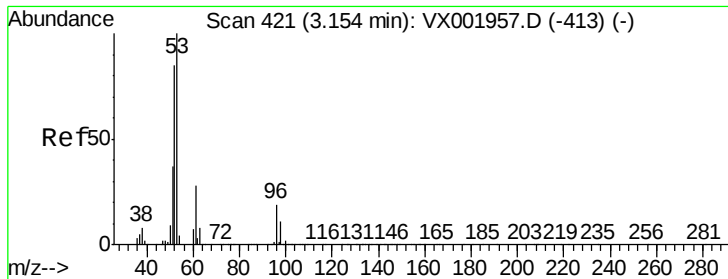
Tgt Ion: 142 Resp: 3450
Ion Ratio Lower Upper
142 100
127 43.3 23.2 69.6
141 10.2 7.4 22.2



#13
Acrolein
Concen: 0.41 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX001965.D
Acq: 25 May 2018 02:59

Tgt Ion: 56 Resp: 201
Ion Ratio Lower Upper
56 100
55 71.1 57.3 85.9





#14

Acrylonitrile

Concen: 0.29 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001965.D

Acq: 25 May 2018 02:59

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

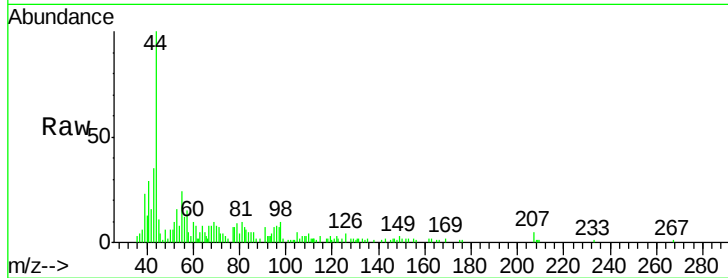
Tgt Ion: 53 Resp: 678

Ion Ratio Lower Upper

53 100

52 122.4 41.5 124.6

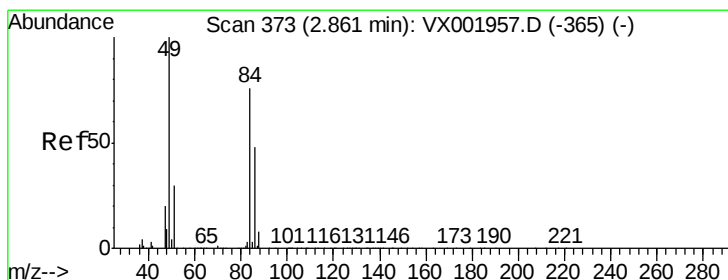
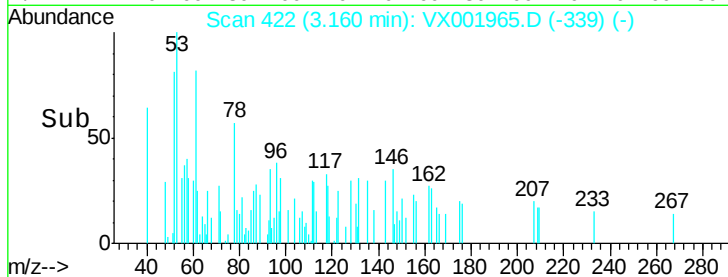
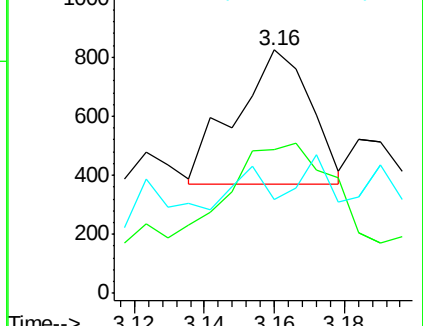
51 24.5 17.9 53.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#18

Methylene Chloride

Concen: 0.29 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX001965.D

Acq: 25 May 2018 02:59

Tgt Ion: 84 Resp: 1145

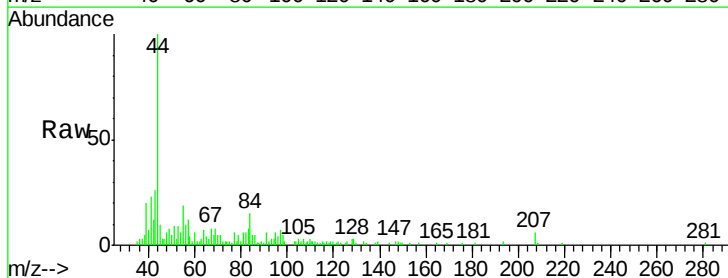
Ion Ratio Lower Upper

84 100

49 60.0 104.7 157.1#

51 30.3 31.0 46.4#

86 26.3 50.8 76.2#

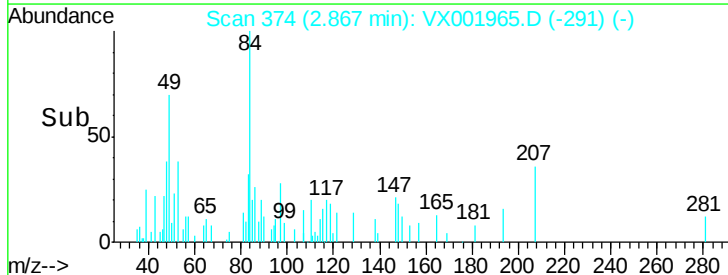
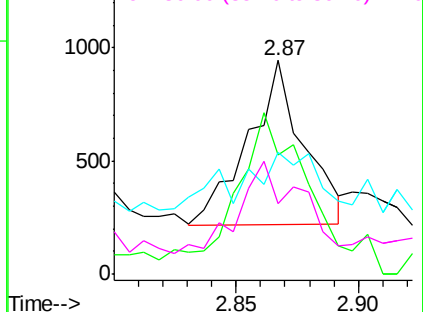


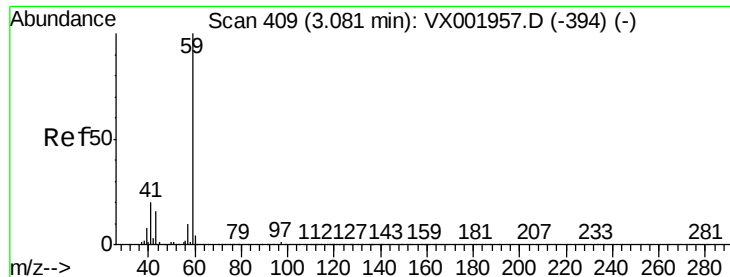
Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#23

tert-Butyl Alcohol

Concen: 0.62 ug/l

RT: 3.09 min Scan# 411

Delta R.T. 0.01 min

Lab File: VX001965.D

Acq: 25 May 2018 02:59

Instrument :

MSVOA_X

ClientSampleId :

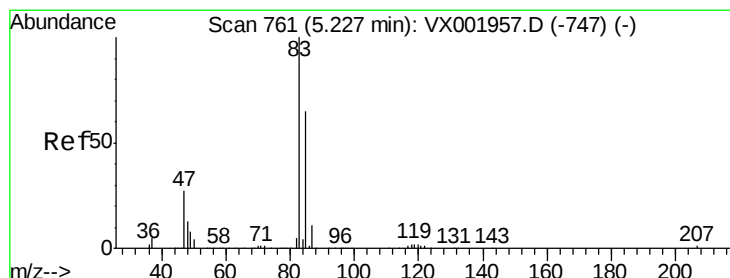
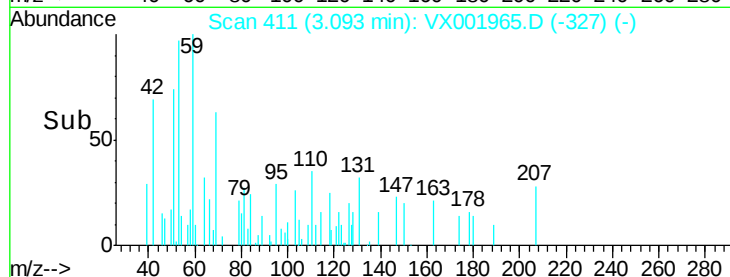
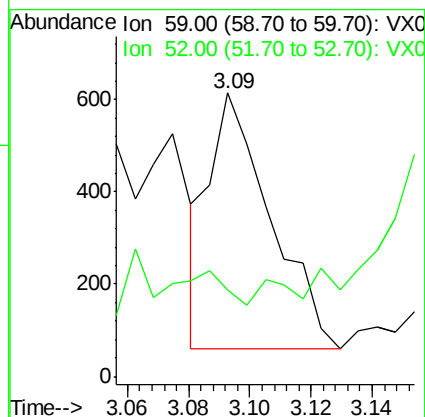
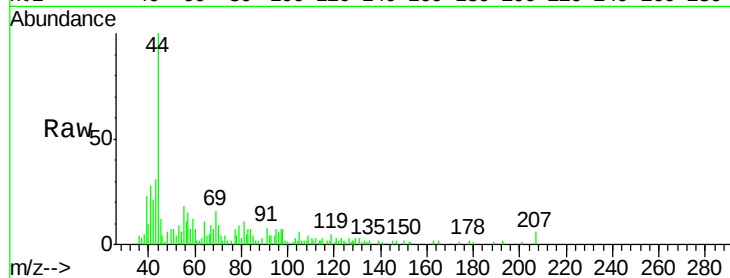
SPDES-1

Tgt Ion: 59 Resp: 765

Ion Ratio Lower Upper

59 100

52 9.7 0.2 0.2#



#25

Chloroform

Concen: 0.51 ug/l

RT: 5.23 min Scan# 761

Delta R.T. 0.00 min

Lab File: VX001965.D

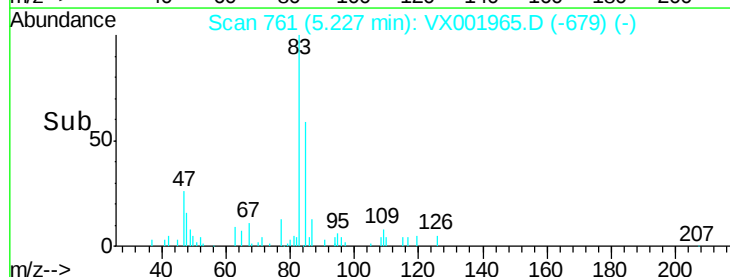
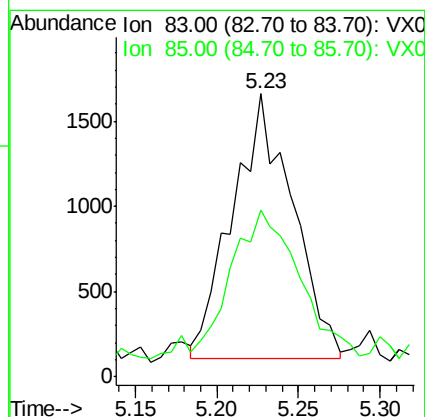
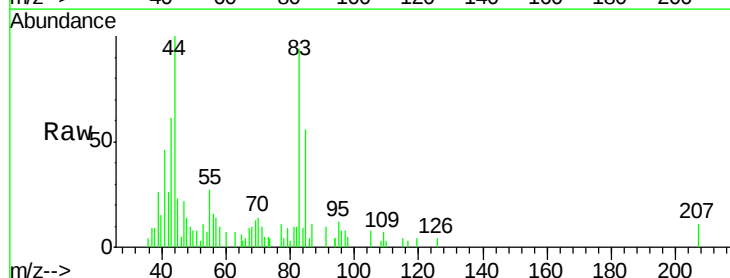
Acq: 25 May 2018 02:59

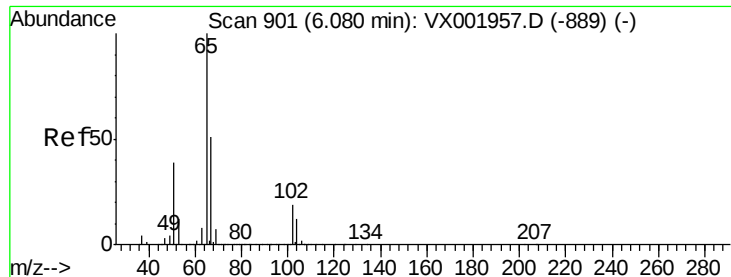
Tgt Ion: 83 Resp: 3967

Ion Ratio Lower Upper

83 100

85 55.3 51.9 77.9





#27

1,2-Dichloroethane-d4

Concen: 29.65 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX001965.D

Acq: 25 May 2018 02:59

Instrument :

MSVOA_X

ClientSampleId :

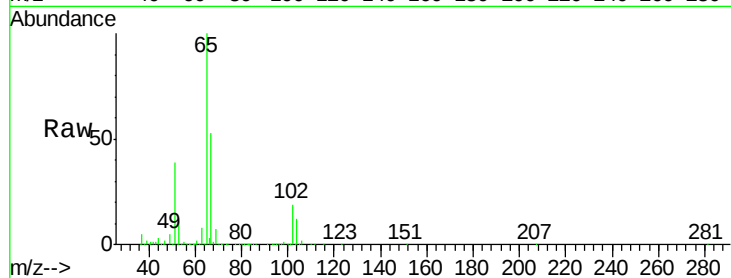
SPDES-1

Tgt Ion: 65 Resp: 166273

Ion Ratio Lower Upper

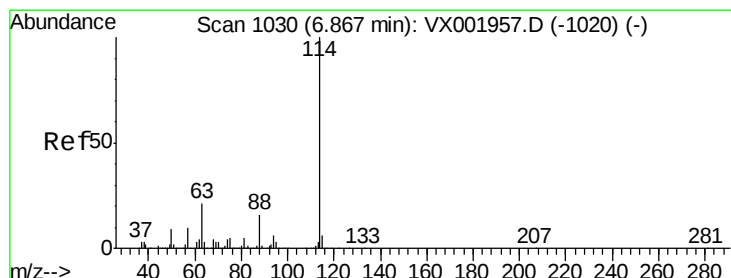
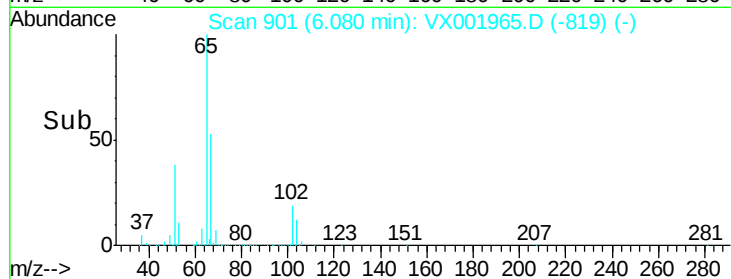
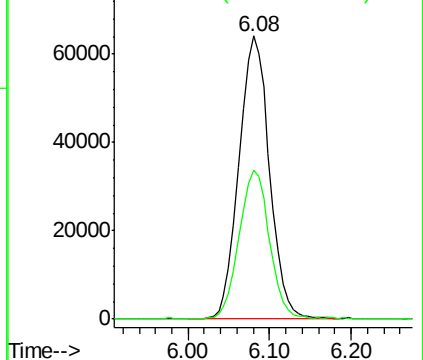
65 100

67 51.8 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001965.D

Acq: 25 May 2018 02:59

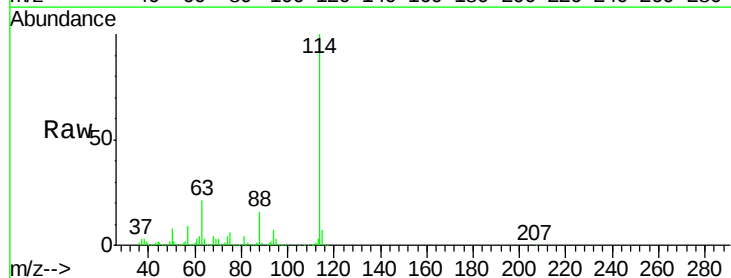
Tgt Ion: 114 Resp: 386640

Ion Ratio Lower Upper

114 100

63 21.5 17.1 25.7

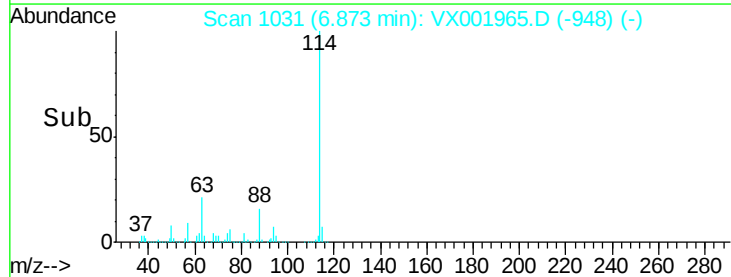
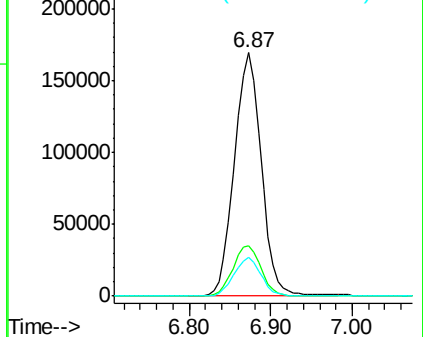
88 15.9 12.6 19.0

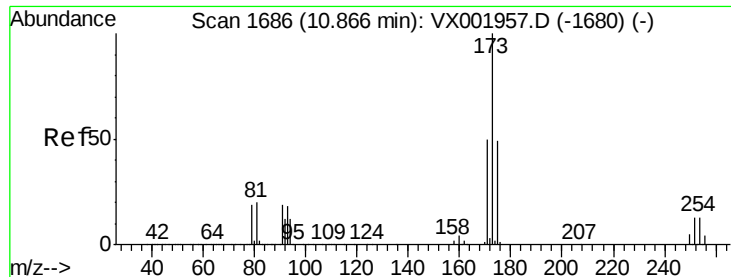


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#56

Bromoform

Concen: 0.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.27 min

Lab File: VX001965.D

Acq: 25 May 2018 02:59

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

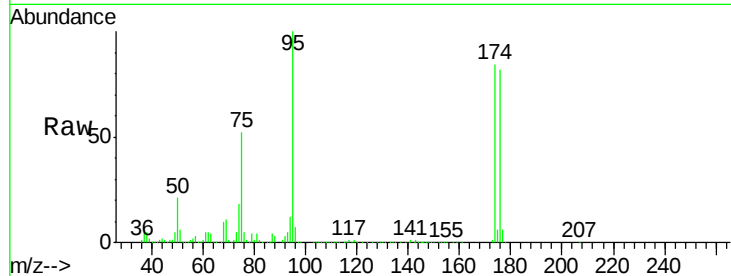
Tgt Ion:173 Resp: 1536

Ion Ratio Lower Upper

173 100

175 707.2 39.0 58.4#

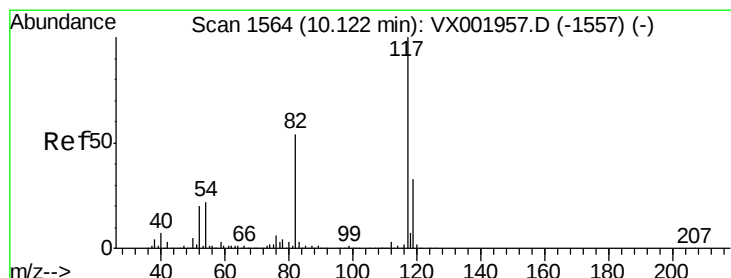
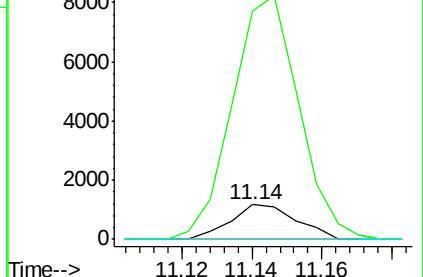
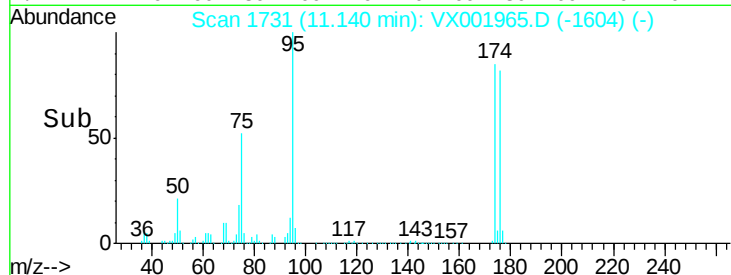
254 0.0 9.6 14.4#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX001965.D

Acq: 25 May 2018 02:59

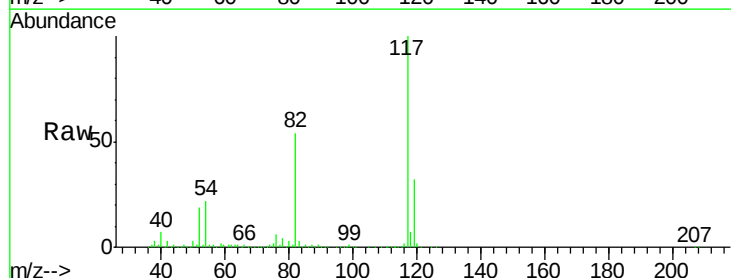
Tgt Ion:117 Resp: 335445

Ion Ratio Lower Upper

117 100

82 55.3 44.3 66.5

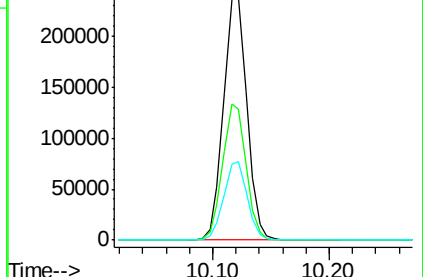
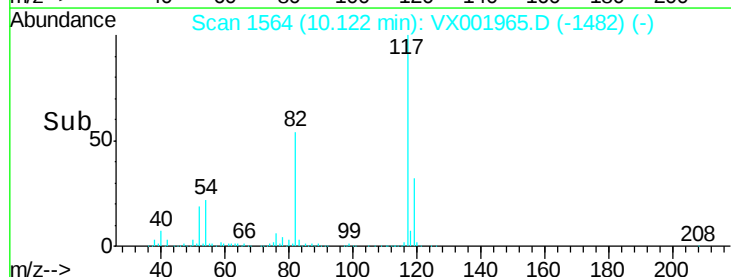
119 31.9 25.7 38.5

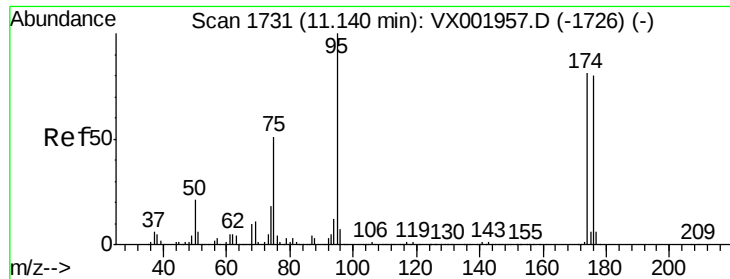


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

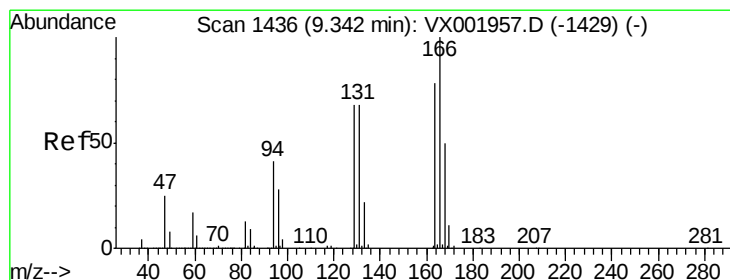
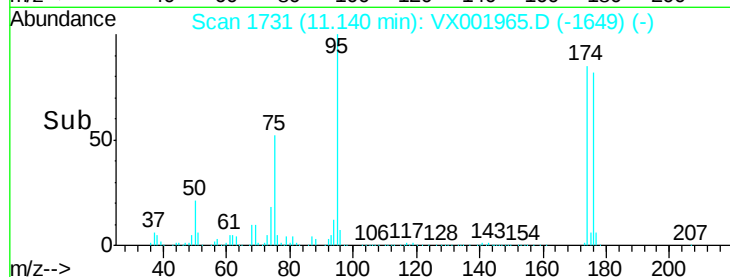
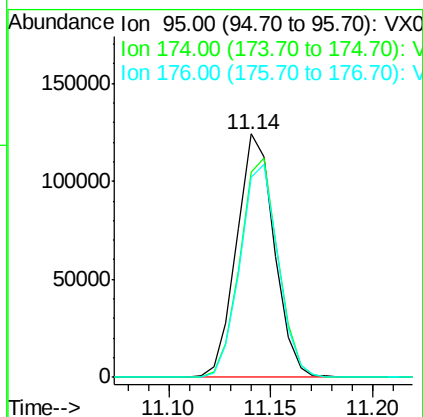
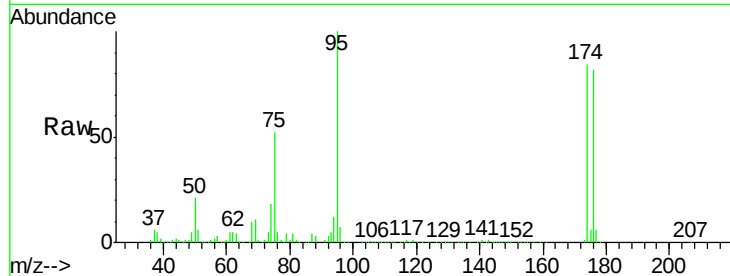




#60
 4-Bromofluorobenzene
 Concen: 27.57 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001965.D
 Acq: 25 May 2018 02:59

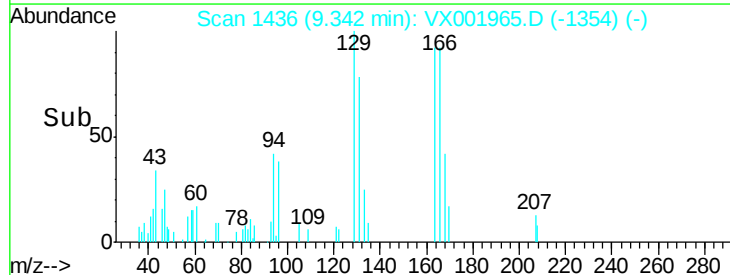
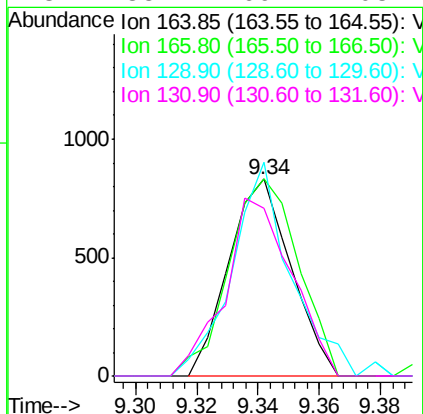
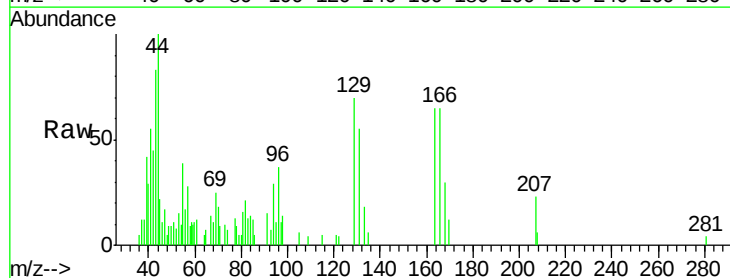
Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

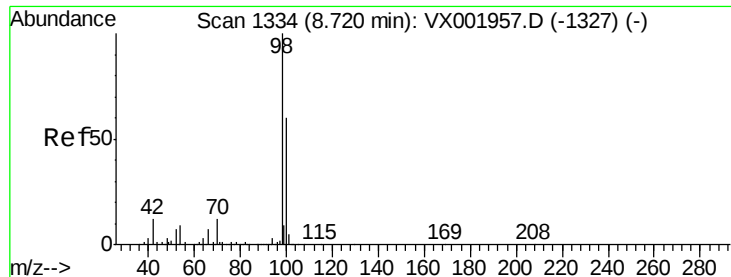
Tgt Ion: 95 Resp: 158340
 Ion Ratio Lower Upper
 95 100
 174 91.4 71.8 107.6
 176 89.3 70.1 105.1



#61
 Tetrachloroethene
 Concen: 0.23 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: VX001965.D
 Acq: 25 May 2018 02:59

Tgt Ion: 164 Resp: 1170
 Ion Ratio Lower Upper
 164 100
 166 100.5 102.4 153.6#
 129 100.5 70.1 105.1
 131 85.2 69.1 103.7





#63

Toluene-d8

Concen: 30.54 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001965.D

Acq: 25 May 2018 02:59

Instrument :

MSVOA_X

ClientSampleId :

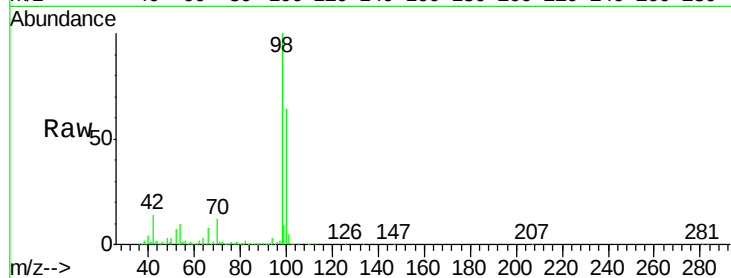
SPDES-1

Tgt Ion: 98 Resp: 456661

Ion Ratio Lower Upper

98 100

100 64.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX001957.D (-1327) (-)

Ion 100.00 (99.70 to 100.70): VX001957.D (-1327) (-)

8.72

300000

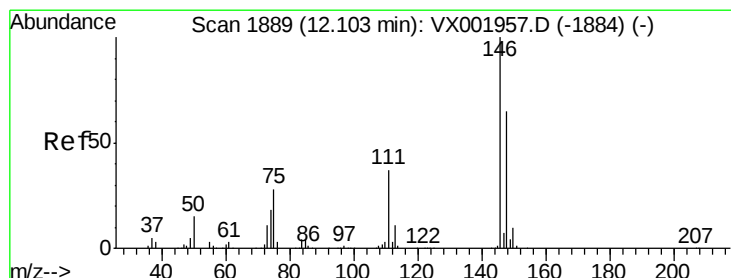
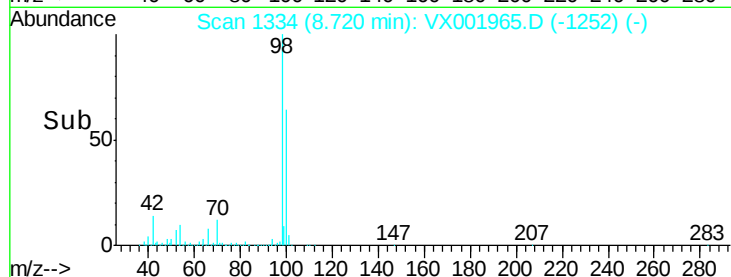
200000

100000

0

8.65 8.70 8.75 8.80

Time-->



#84

1,4-Dichlorobenzene

Concen: 0.21 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001965.D

Acq: 25 May 2018 02:59

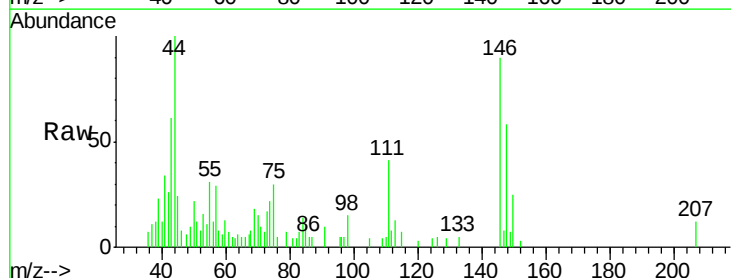
Tgt Ion: 146 Resp: 1927

Ion Ratio Lower Upper

146 100

111 44.9 18.5 55.5

148 65.1 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): VX001957.D (-1884) (-)

Ion 111.00 (110.70 to 111.70): VX001957.D (-1884) (-)

Ion 148.00 (147.70 to 148.70): VX001957.D (-1884) (-)

12.10

2000

1500

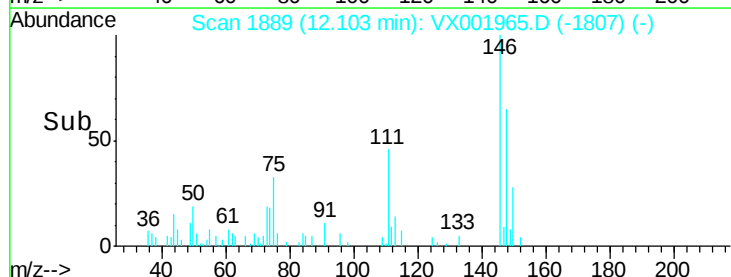
1000

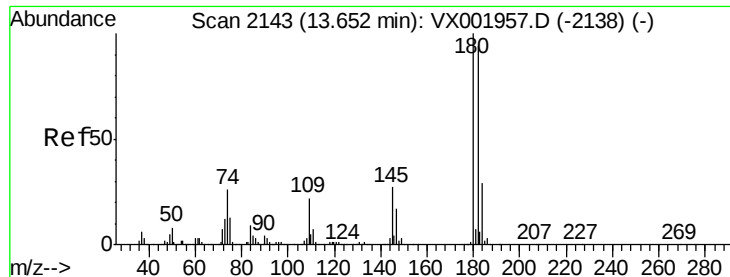
500

0

12.05 12.10 12.15

Time-->

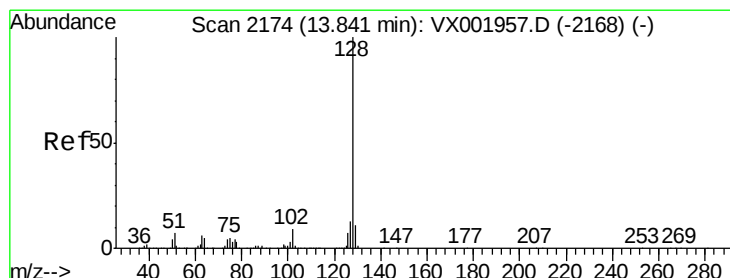
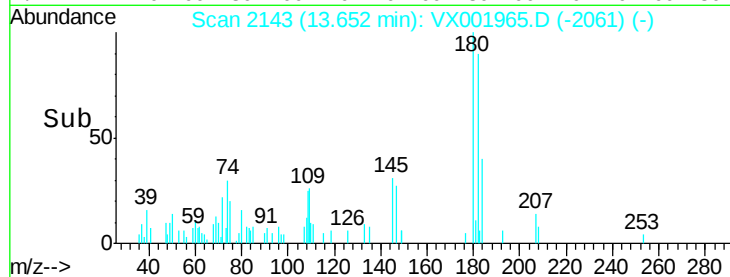
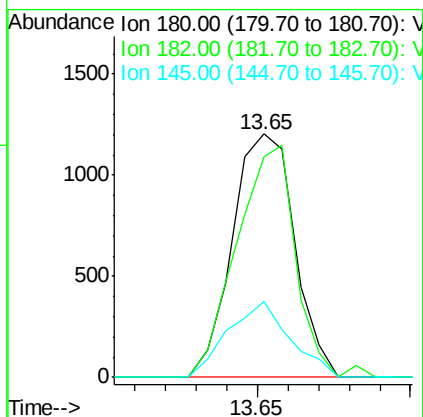
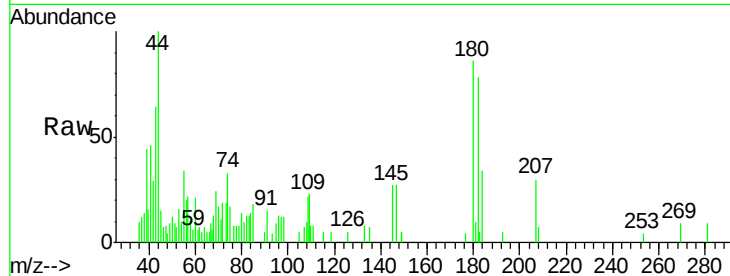




#89
 1,2,4-Trichlorobenzene
 Concen: 0.25 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001965.D
 Acq: 25 May 2018 02:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

Tgt Ion:180 Resp: 1695
 Ion Ratio Lower Upper
 180 100
 182 89.7 76.4 114.6
 145 31.2 22.9 34.3



#91
 Naphthalene
 Concen: 0.20 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX001965.D
 Acq: 25 May 2018 02:59

Tgt Ion:128 Resp: 4356
 Ion Ratio Lower Upper
 128 100
 127 14.2 10.3 15.5
 129 10.8 8.9 13.3

