

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062218\
 Data File : VX002831.D
 Acq On : 22 Jun 2018 13:22
 Operator : JC/MD
 Sample : J3655-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

Quant Time: Jun 22 13:39:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	42427	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	226518	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	208105	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	99348	30.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.20%
60) 4-Bromofluorobenzene	11.14	95	91960	26.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.20%
63) Toluene-d8	8.72	98	268114	29.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.30%

Target Compounds

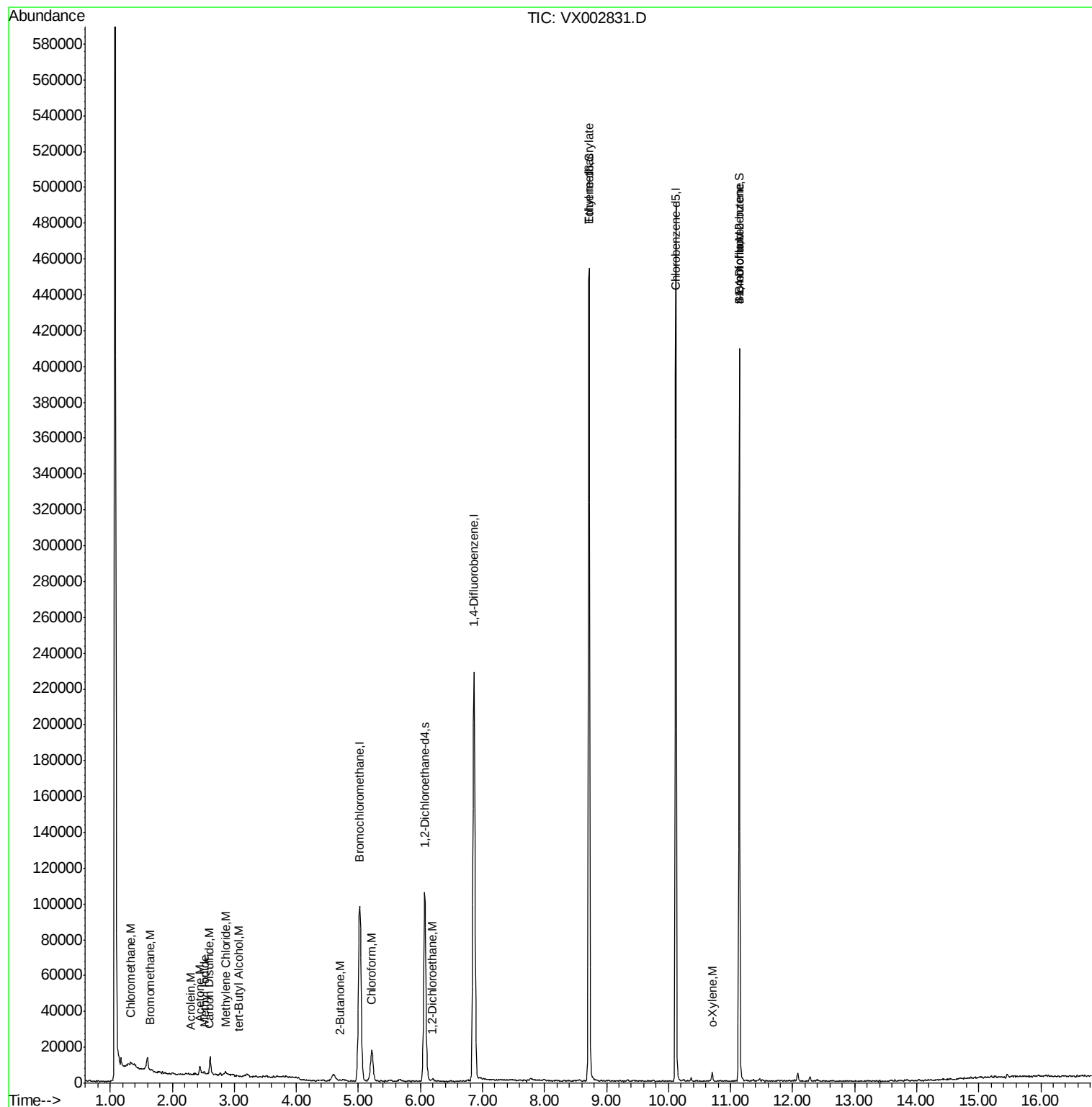
					Qvalue	
3) Chloromethane	1.32	50	600	0.273	ug/l	94
5) Bromomethane	1.65	94	310	0.217	ug/l #	66
11) Methyl Iodide	2.51	142	1718	0.680	ug/l	91
13) Acrolein	2.30	56	144	0.569	ug/l	96
15) Acetone	2.45	58	1644	4.418	ug/l	76
16) Carbon Disulfide	2.58	76	1124	0.205	ug/l #	66
18) Methylene Chloride	2.86	84	680	0.271	ug/l #	59
23) tert-Butyl Alcohol	3.06	59	227	0.373	ug/l #	69
25) Chloroform	5.21	83	19573	4.460	ug/l	91
30) 2-Butanone	4.71	43	358	0.205	ug/l #	84
36) 1,2-Dichloroethane	6.20	62	781	0.220	ug/l #	88
51) Ethyl methacrylate	8.73	69	993	0.272	ug/l #	69
56) Bromoform	11.15	173	1273	0.620	ug/l #	1
68) o-Xylene	10.70	106	1121	0.262	ug/l	81
77) t-1,4-Dichloro-2-butene	11.14	75	48770	49.612	ug/l #	11

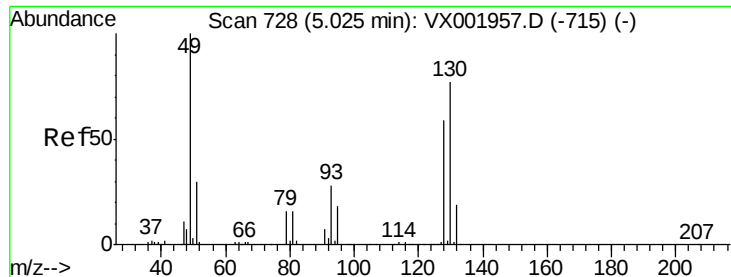
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX062218\
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Quant Time: Jun 22 13:39:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jun 18 15:18:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002831.D

Acq: 22 Jun 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

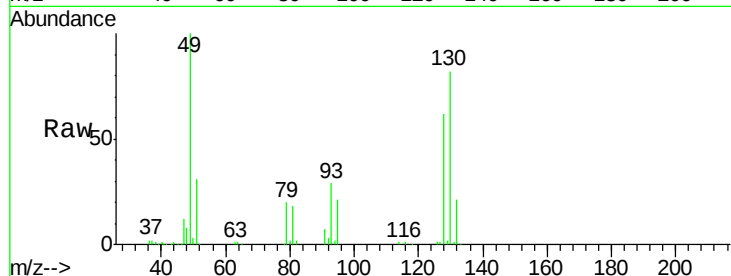
Tgt Ion:128 Resp: 42427

Ion Ratio Lower Upper

128 100

49 157.3 0.0 423.0

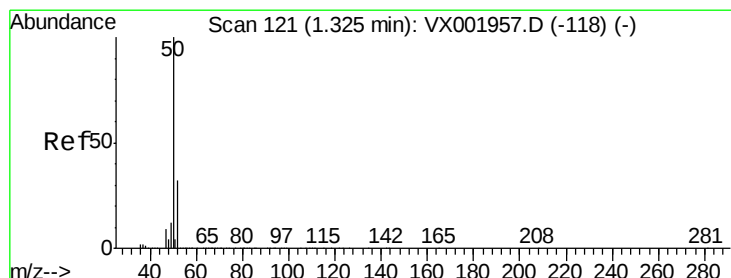
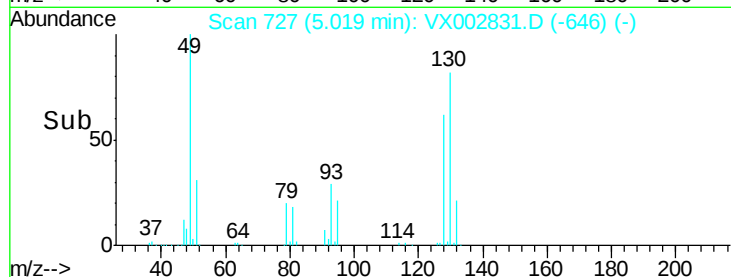
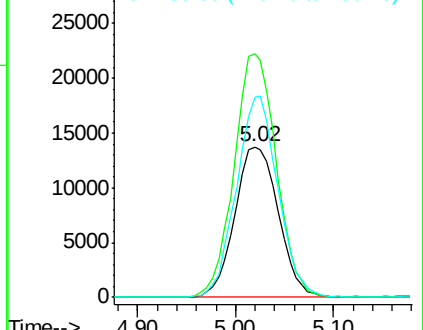
130 127.5 0.0 324.3



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: 0.273 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002831.D

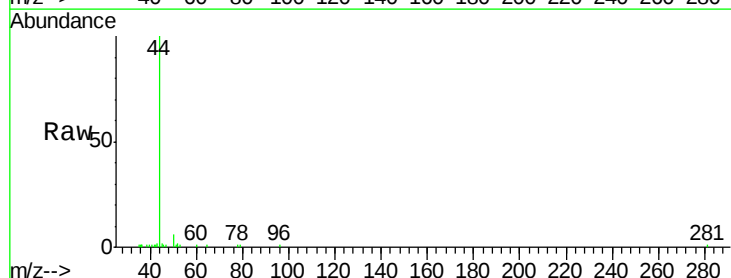
Acq: 22 Jun 2018 13:22

Tgt Ion: 50 Resp: 600

Ion Ratio Lower Upper

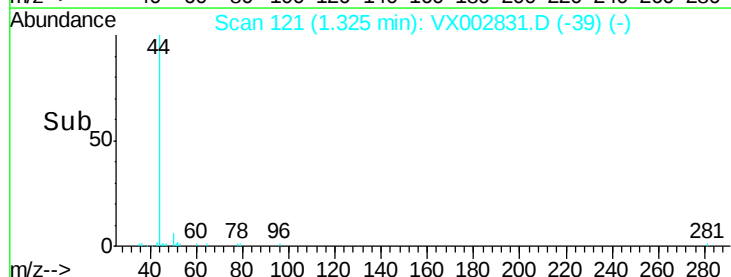
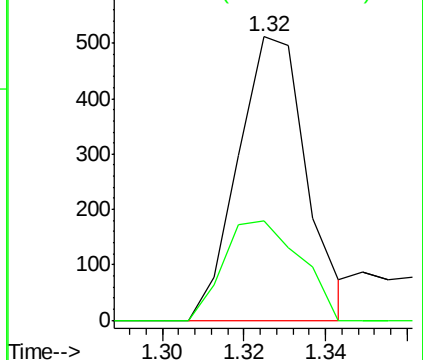
50 100

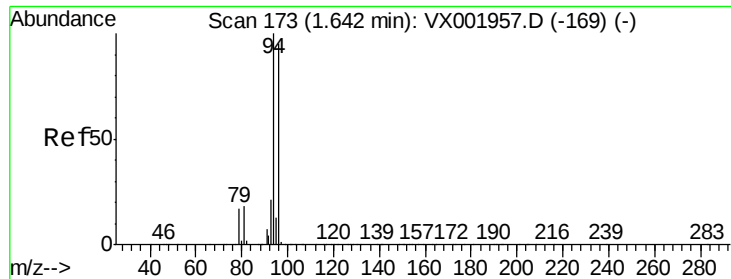
52 35.2 25.6 38.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Bromomethane

Concen: 0.217 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002831.D

Acq: 22 Jun 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

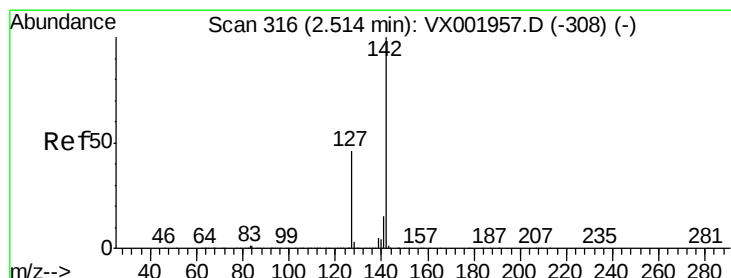
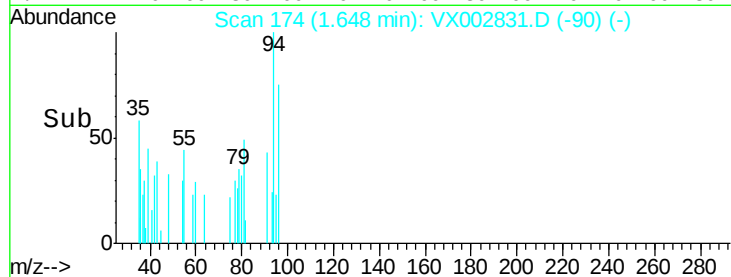
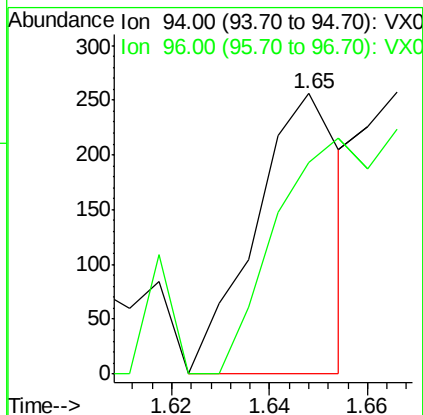
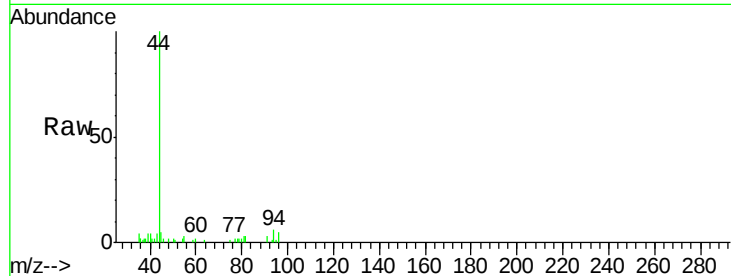
SPDES-1

Tgt Ion: 94 Resp: 310

Ion Ratio Lower Upper

94 100

96 61.5 75.7 113.5#



#11

Methyl Iodide

Concen: 0.680 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002831.D

Acq: 22 Jun 2018 13:22

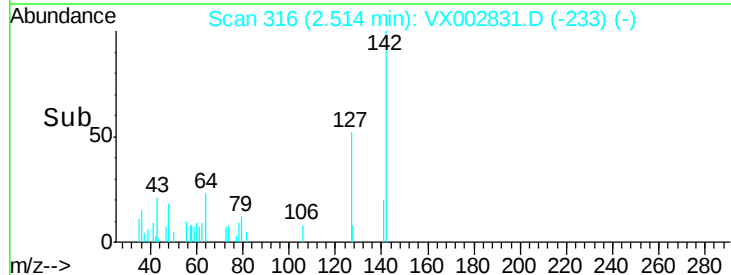
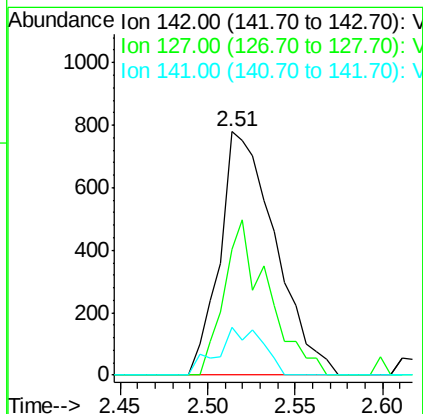
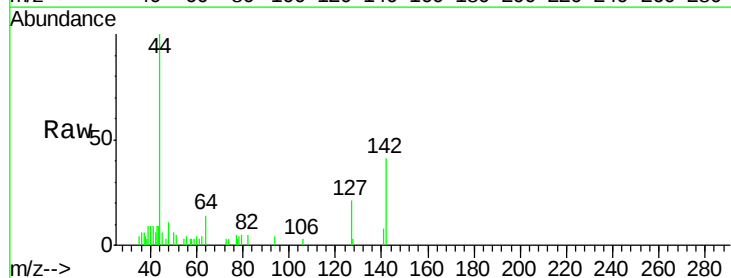
Tgt Ion:142 Resp: 1718

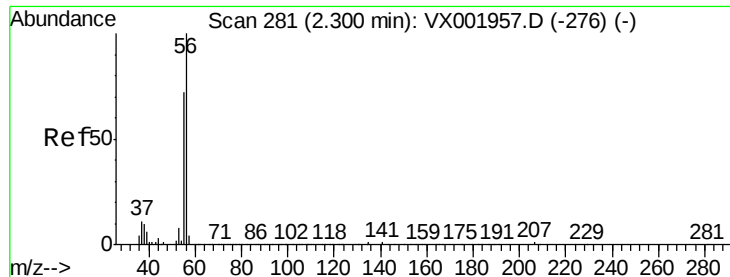
Ion Ratio Lower Upper

142 100

127 51.9 23.2 69.6

141 19.5 7.4 22.2





#13

Acrolein

Concen: 0.569 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002831.D

Acq: 22 Jun 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

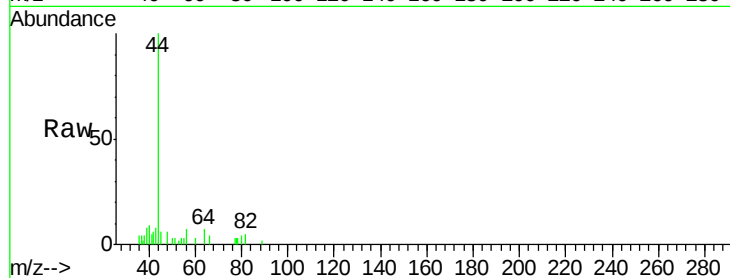
SPDES-1

Tgt Ion: 56 Resp: 144

Ion Ratio Lower Upper

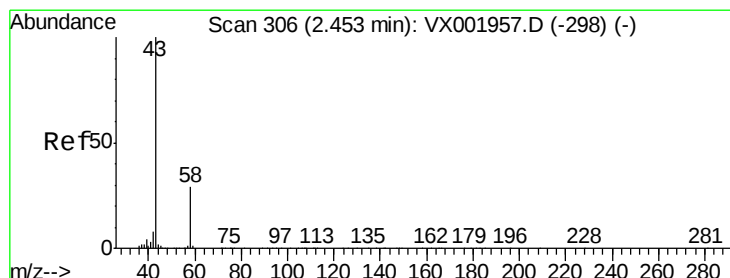
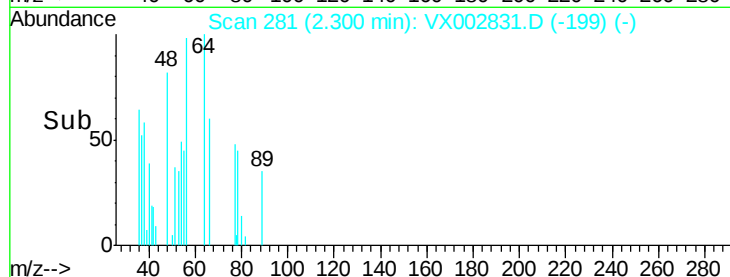
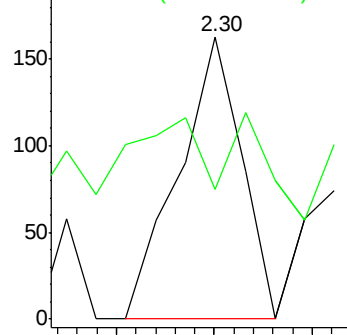
56 100

55 75.0 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acetone

Concen: 4.418 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002831.D

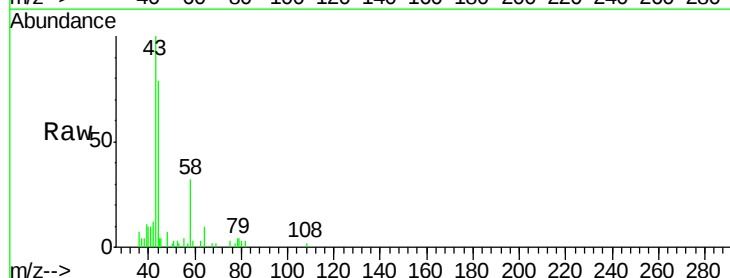
Acq: 22 Jun 2018 13:22

Tgt Ion: 58 Resp: 1644

Ion Ratio Lower Upper

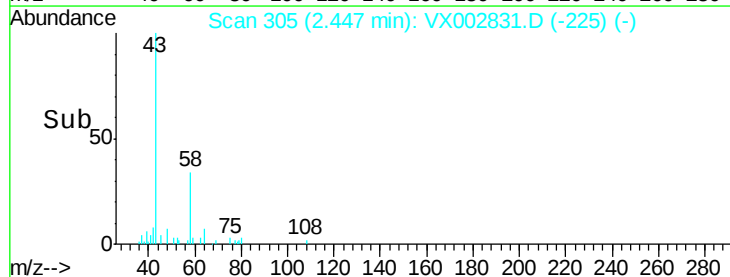
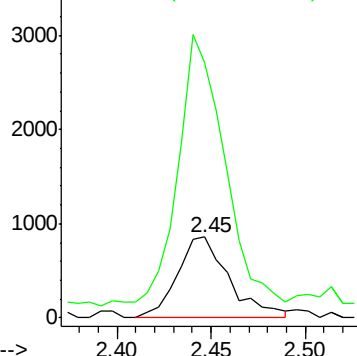
58 100

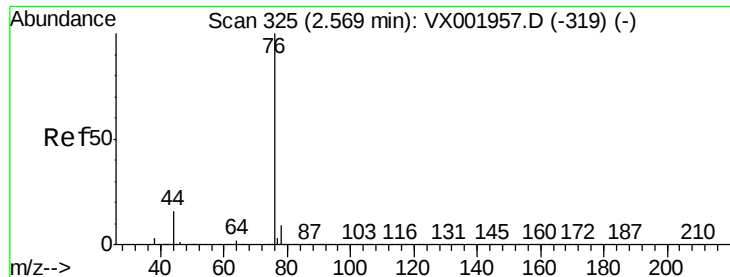
43 296.3 278.8 418.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

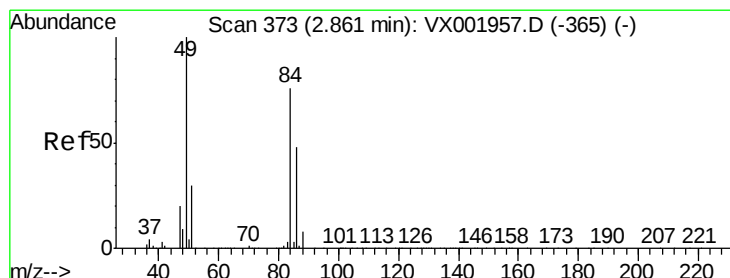
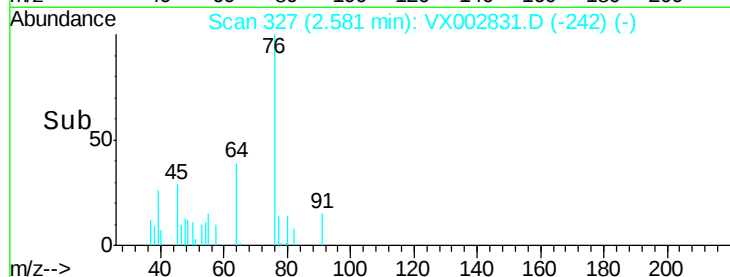
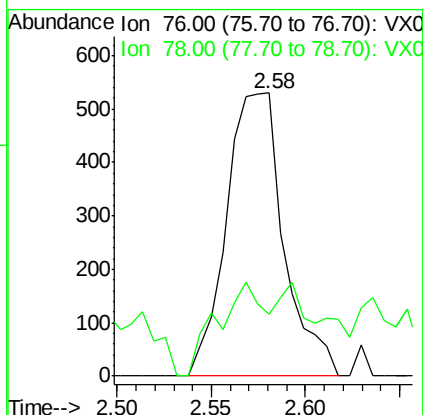
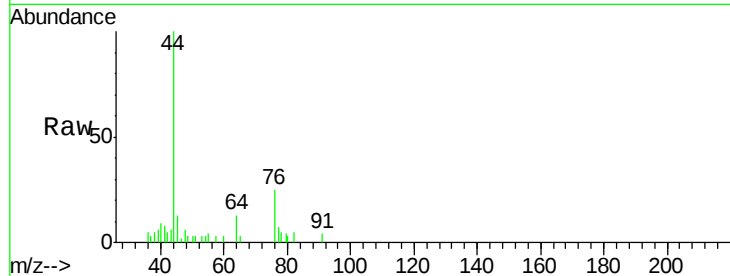




#16
Carbon Disulfide
Concen: 0.205 ug/l
RT: 2.58 min Scan# 327
Delta R.T. 0.02 min
Lab File: VX002831.D
Acq: 22 Jun 2018 13:22

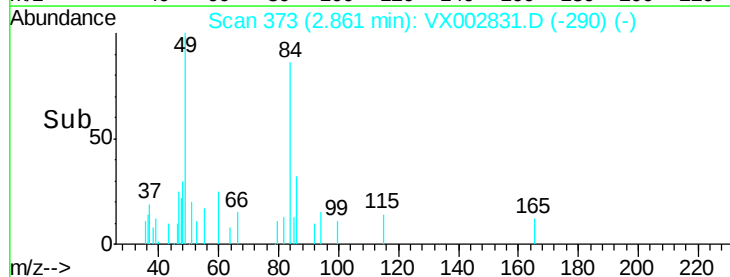
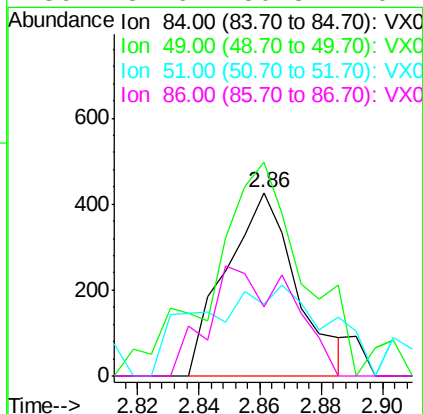
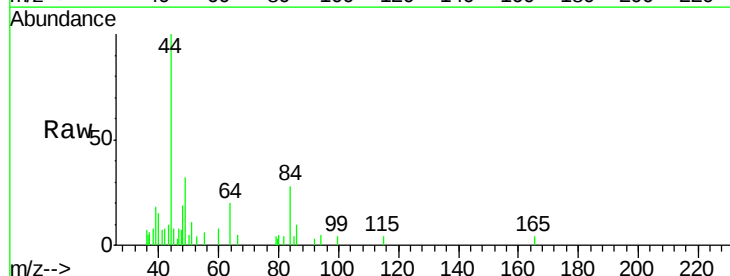
Instrument :
MSVOA_X
ClientSampled :
SPDES-1

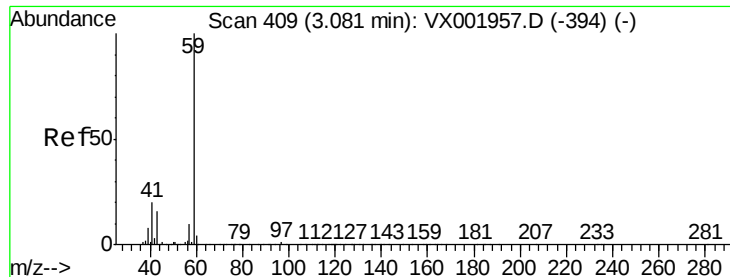
Tgt Ion: 76 Resp: 1124
Ion Ratio Lower Upper
76 100
78 21.7 7.4 11.0#



#18
Methylene Chloride
Concen: 0.271 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002831.D
Acq: 22 Jun 2018 13:22

Tgt Ion: 84 Resp: 680
Ion Ratio Lower Upper
84 100
49 82.2 104.7 157.1#
51 6.8 31.0 46.4#
86 37.6 50.8 76.2#



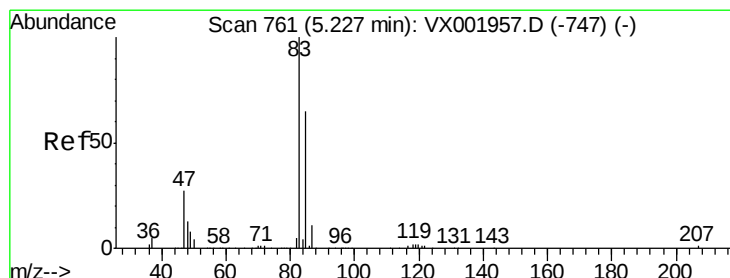
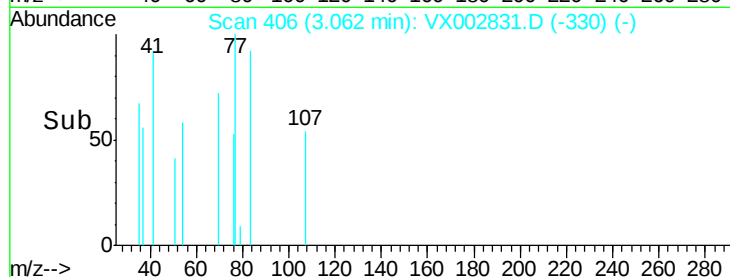
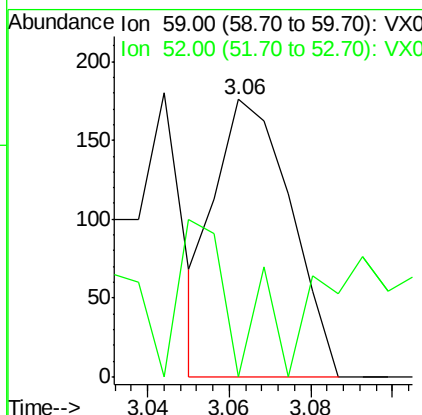
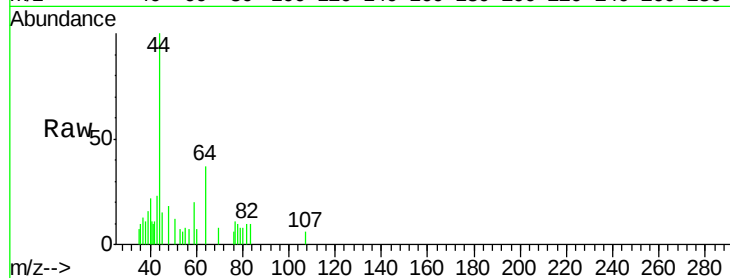


#23

tert-Butyl Alcohol
 Concen: 0.373 ug/l
 RT: 3.06 min Scan# 406
 Delta R.T. -0.04 min
 Lab File: VX002831.D
 Acq: 22 Jun 2018 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

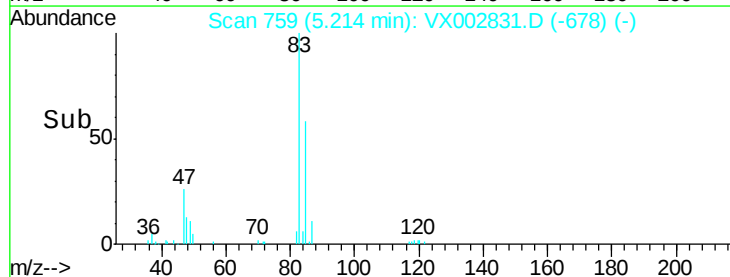
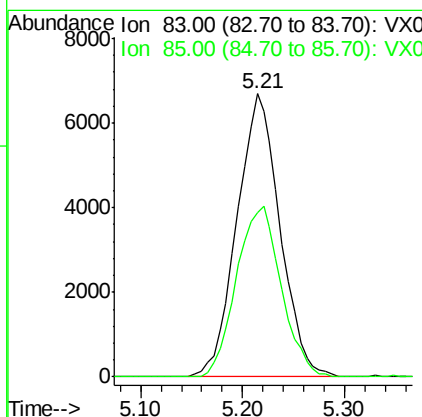
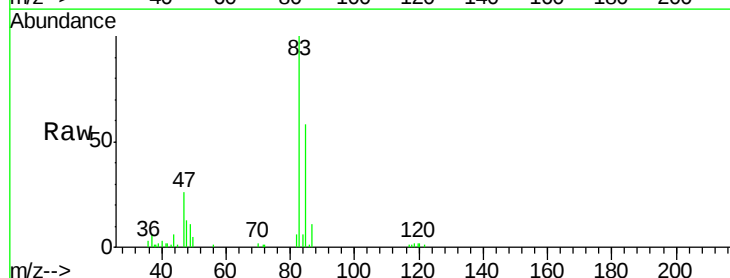
Tgt Ion: 59 Resp: 227
 Ion Ratio Lower Upper
 59 100
 52 39.6 0.2 0.2#

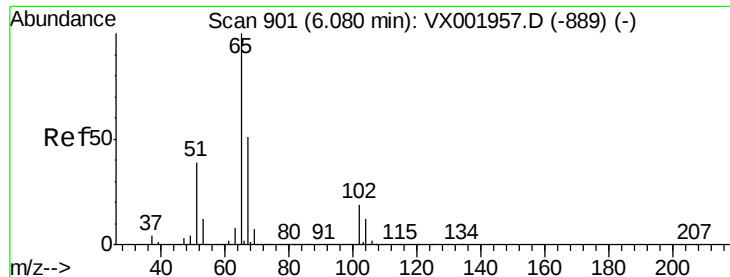


#25

Chloroform
 Concen: 4.460 ug/l
 RT: 5.21 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VX002831.D
 Acq: 22 Jun 2018 13:22

Tgt Ion: 83 Resp: 19573
 Ion Ratio Lower Upper
 83 100
 85 58.1 51.9 77.9





#27

1,2-Dichloroethane-d4

Concen: 30.664 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002831.D

Acq: 22 Jun 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

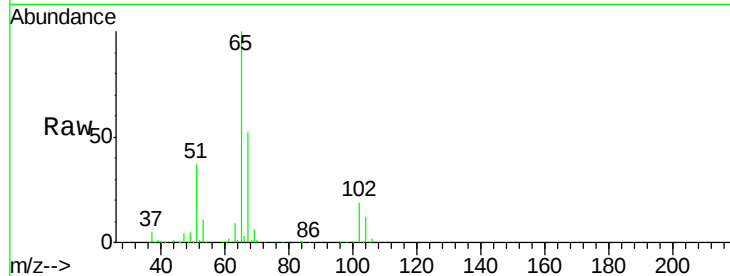
SPDES-1

Tgt Ion: 65 Resp: 99348

Ion Ratio Lower Upper

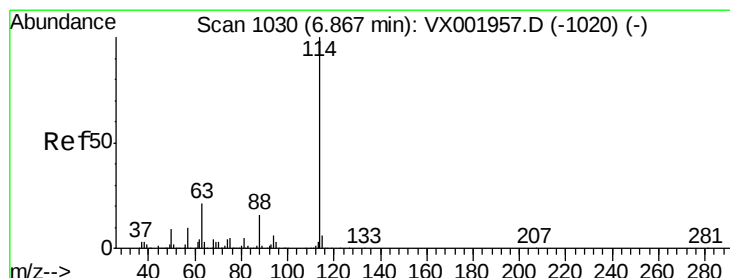
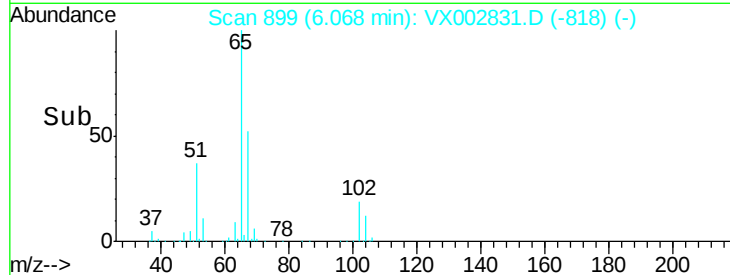
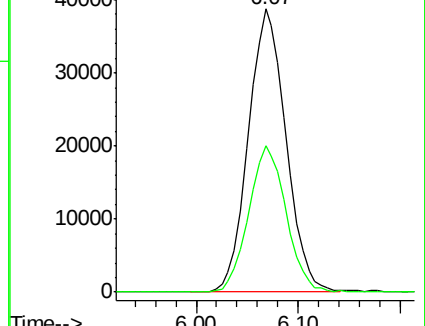
65 100

67 51.4 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: 30.000 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX002831.D

Acq: 22 Jun 2018 13:22

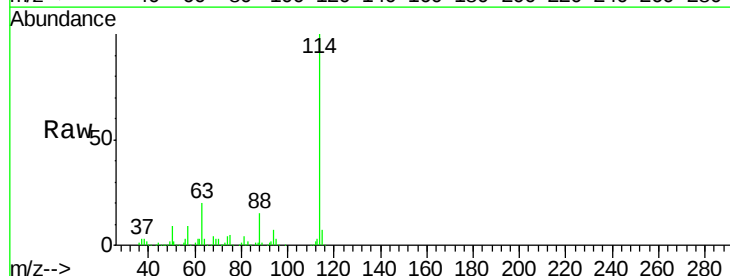
Tgt Ion: 114 Resp: 226518

Ion Ratio Lower Upper

114 100

63 20.4 17.1 25.7

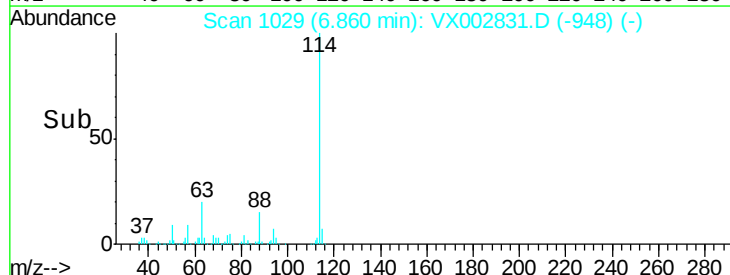
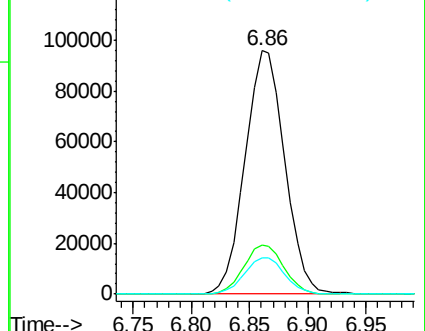
88 15.2 12.6 19.0

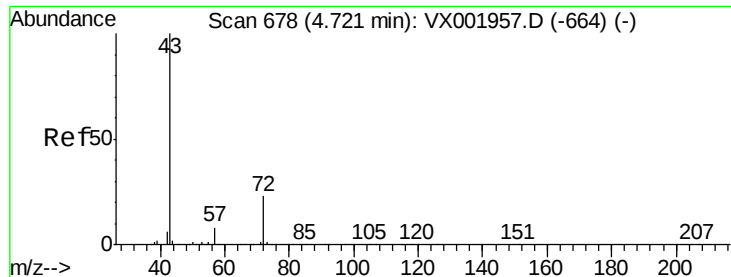


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

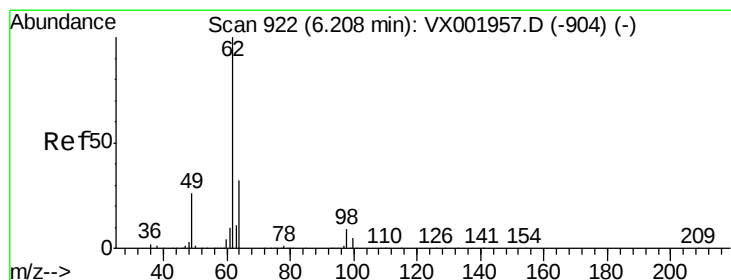
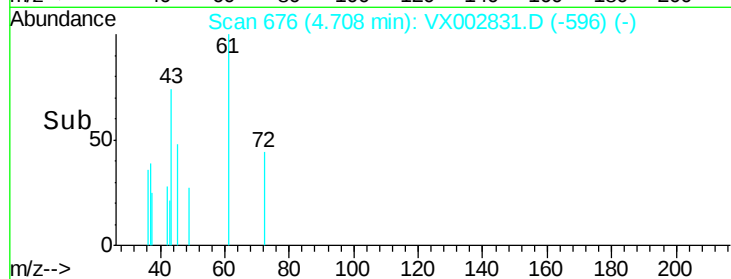
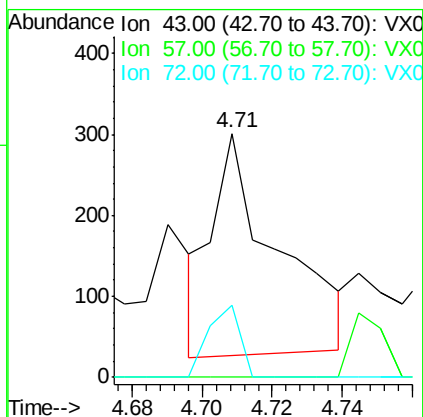
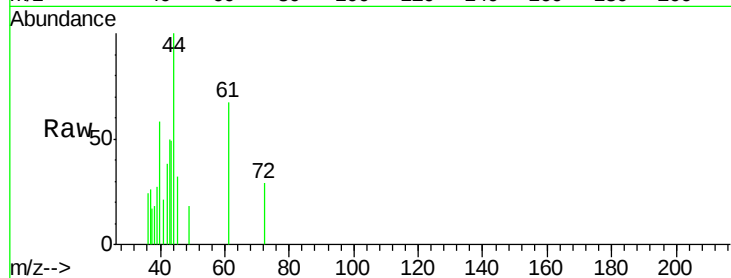




#30
2-Butanone
Concen: 0.205 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.01 min
Lab File: VX002831.D
Acq: 22 Jun 2018 13:22

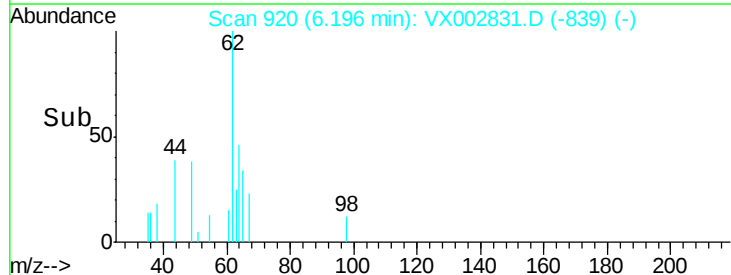
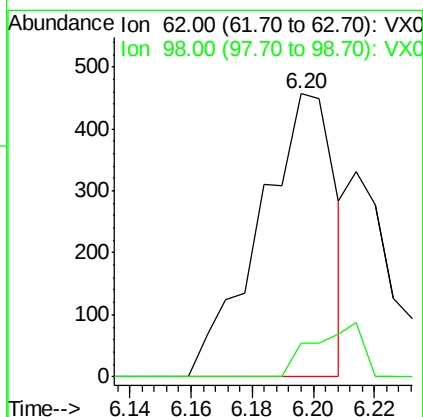
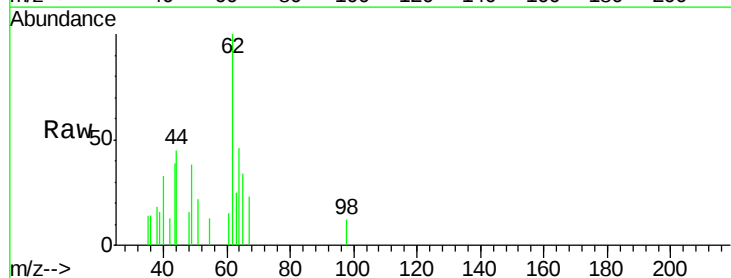
Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

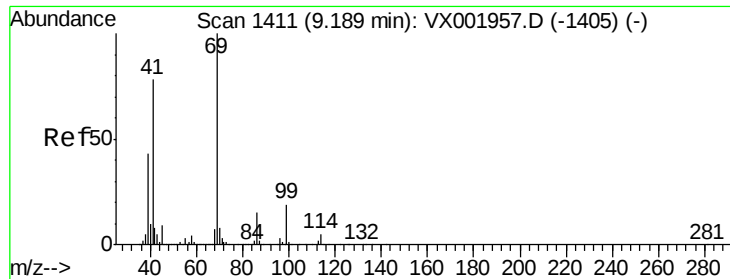
Tgt Ion: 43 Resp: 358
Ion Ratio Lower Upper
43 100
57 0.0 6.1 9.1#
72 15.6 18.1 27.1#



#36
1,2-Dichloroethane
Concen: 0.220 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX002831.D
Acq: 22 Jun 2018 13:22

Tgt Ion: 62 Resp: 781
Ion Ratio Lower Upper
62 100
98 12.4 6.5 9.7#





#51

Ethyl methacrylate

Concen: 0.272 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.46 min

Lab File: VX002831.D

Acq: 22 Jun 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

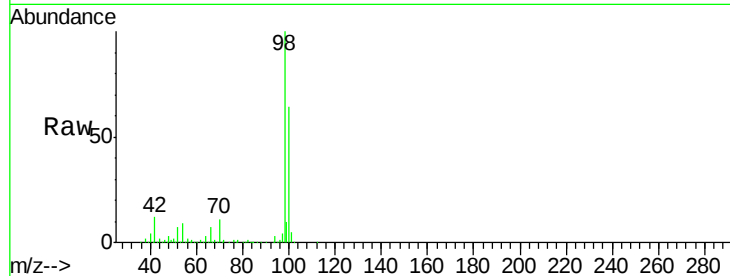
Tgt Ion: 69 Resp: 993

Ion Ratio Lower Upper

69 100

41 60.7 39.1 117.3

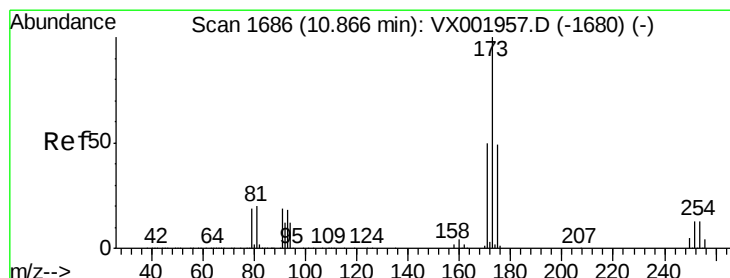
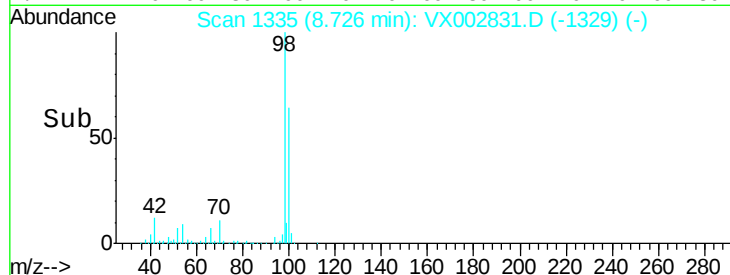
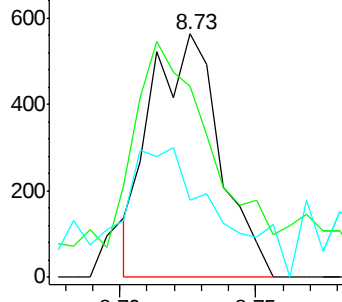
39 9.9 21.7 65.1#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#56

Bromoform

Concen: 0.620 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.29 min

Lab File: VX002831.D

Acq: 22 Jun 2018 13:22

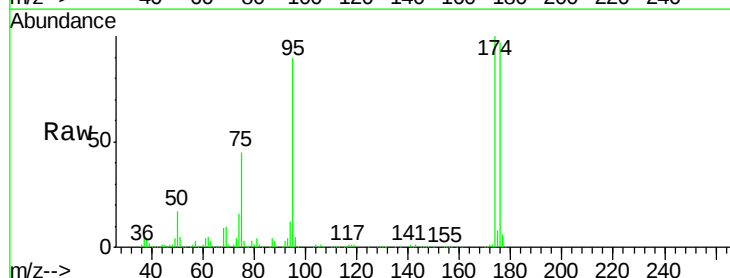
Tgt Ion: 173 Resp: 1273

Ion Ratio Lower Upper

173 100

175 558.8 39.0 58.4#

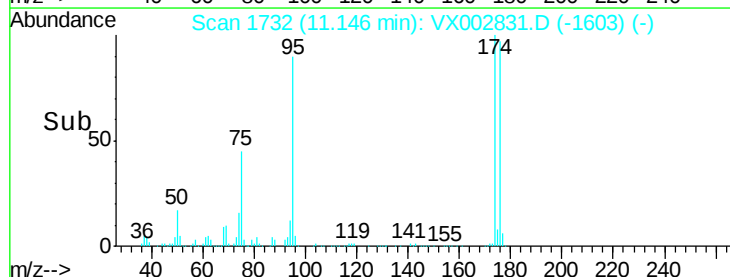
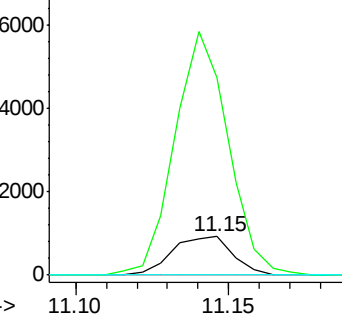
254 0.0 9.6 14.4#

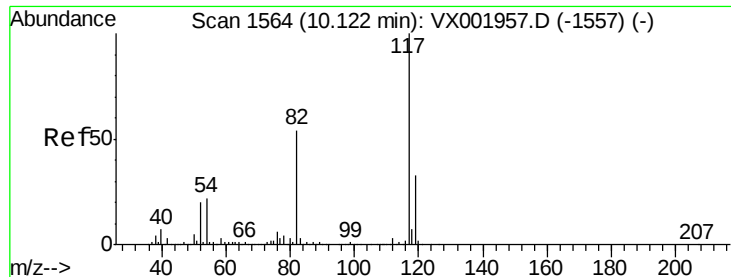


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

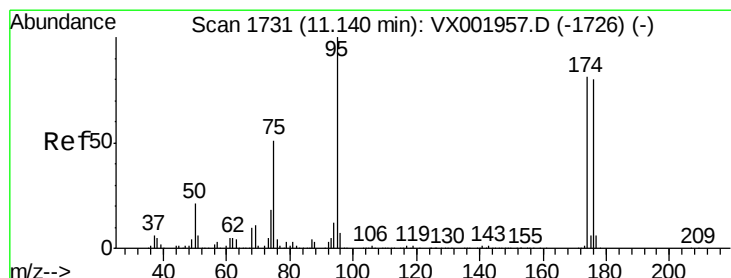
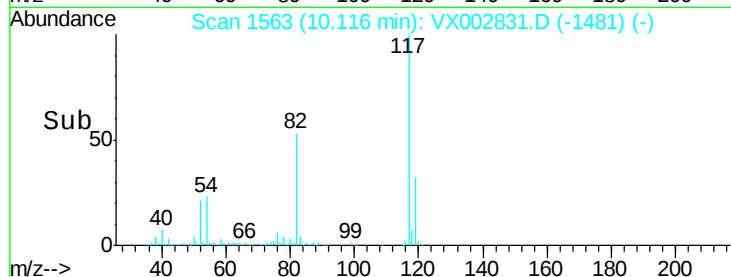
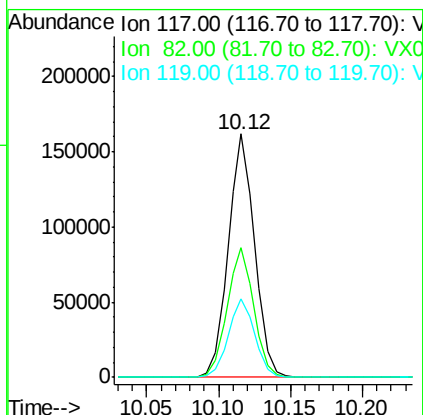
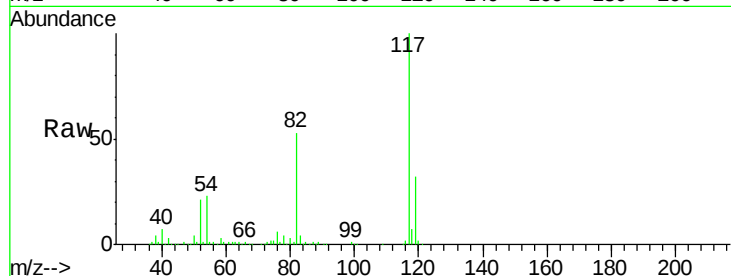




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002831.D
Acq: 22 Jun 2018 13:22

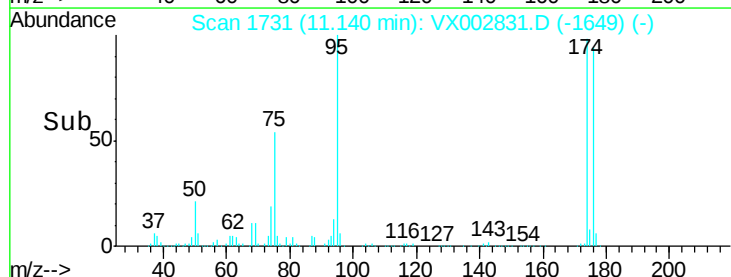
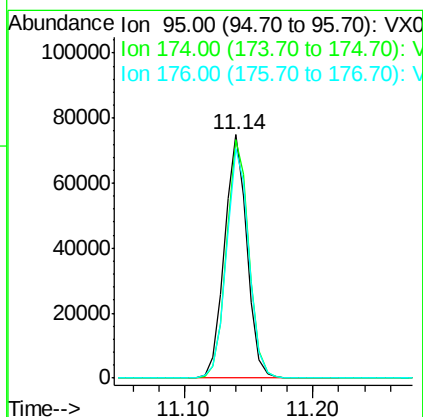
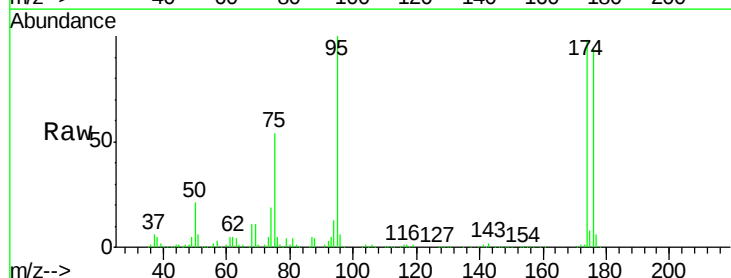
Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

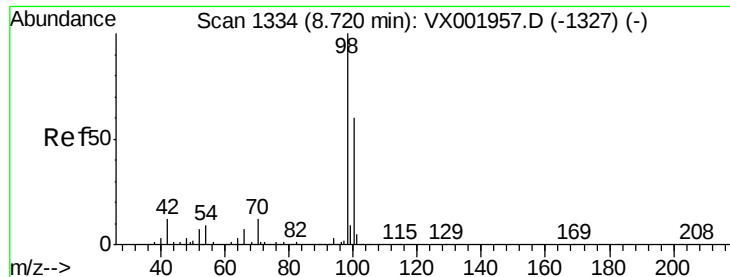
Tgt Ion: 117 Resp: 208105
Ion Ratio Lower Upper
117 100
82 54.0 44.3 66.5
119 32.5 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 26.755 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002831.D
Acq: 22 Jun 2018 13:22

Tgt Ion: 95 Resp: 91960
Ion Ratio Lower Upper
95 100
174 97.5 71.8 107.6
176 94.9 70.1 105.1





#63

Toluene-d8

Concen: 29.494 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002831.D

Acq: 22 Jun 2018 13:22

Instrument :

MSVOA_X

ClientSampleId :

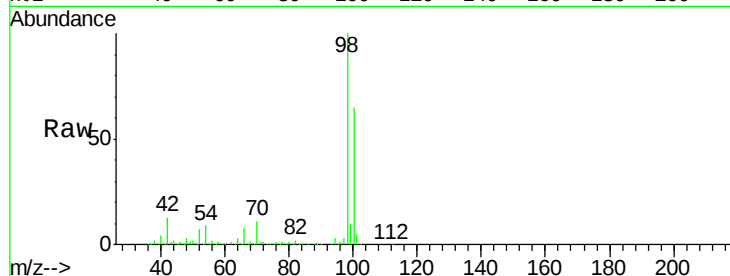
SPDES-1

Tgt Ion: 98 Resp: 268114

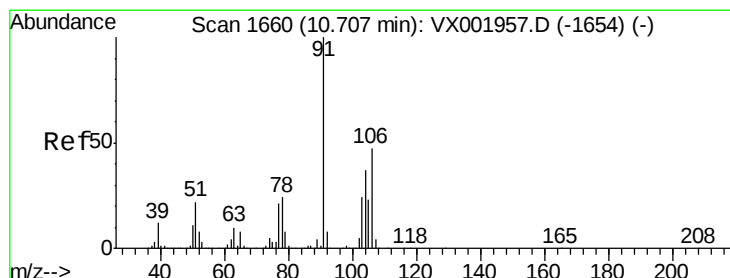
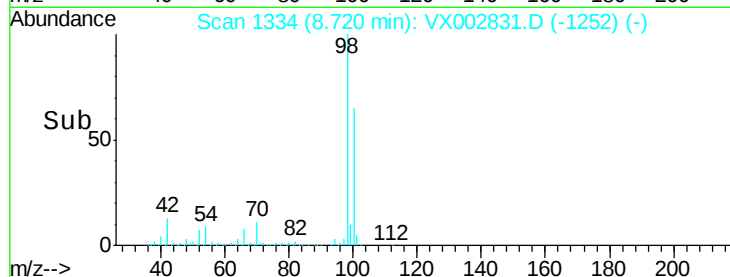
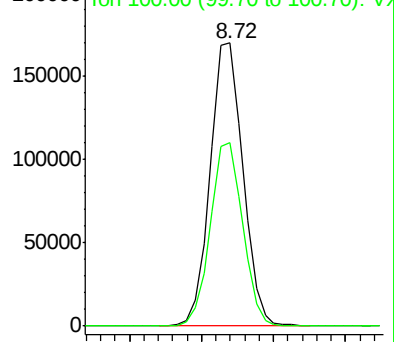
Ion Ratio Lower Upper

98 100

100 64.1 50.8 76.2



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



#68

o-Xylene

Concen: 0.262 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX002831.D

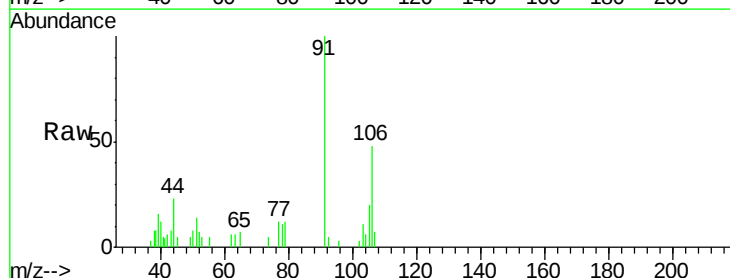
Acq: 22 Jun 2018 13:22

Tgt Ion: 106 Resp: 1121

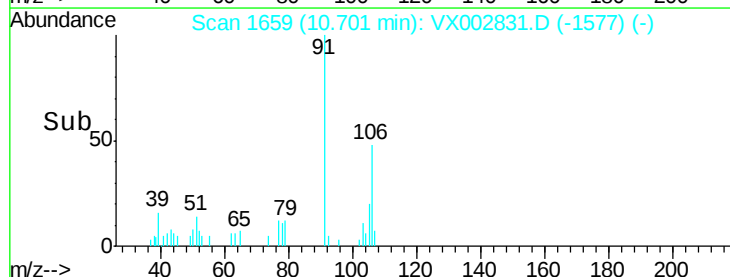
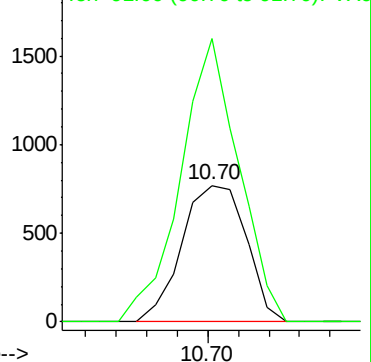
Ion Ratio Lower Upper

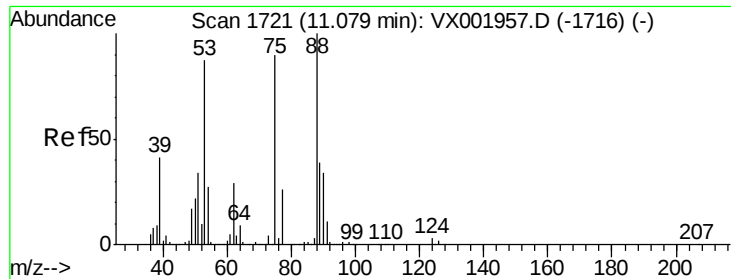
106 100

91 188.1 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): VX001957.D (-1654) (-)





#77
 t-1,4-Dichloro-2-butene
 Concen: 49.612 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002831.D
 Acq: 22 Jun 2018 13:22

Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

Tgt Ion: 75 Resp: 48770
 Ion Ratio Lower Upper
 75 100
 53 0.2 48.3 144.9#
 89 0.0 21.8 65.4#

