

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050418\
 Data File : VX001394.D
 Acq On : 04 May 2018 13:29
 Operator : JC/MD
 Sample : J2726-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPDES-1

Quant Time: May 05 05:39:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X043018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 01 09:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	29534	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	152643	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	138100	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.08	65	62891	29.52	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.40%
60) 4-Bromofluorobenzene	11.14	95	58015	25.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	83.57%
63) Toluene-d8	8.72	98	176132	29.74	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.13%

Target Compounds

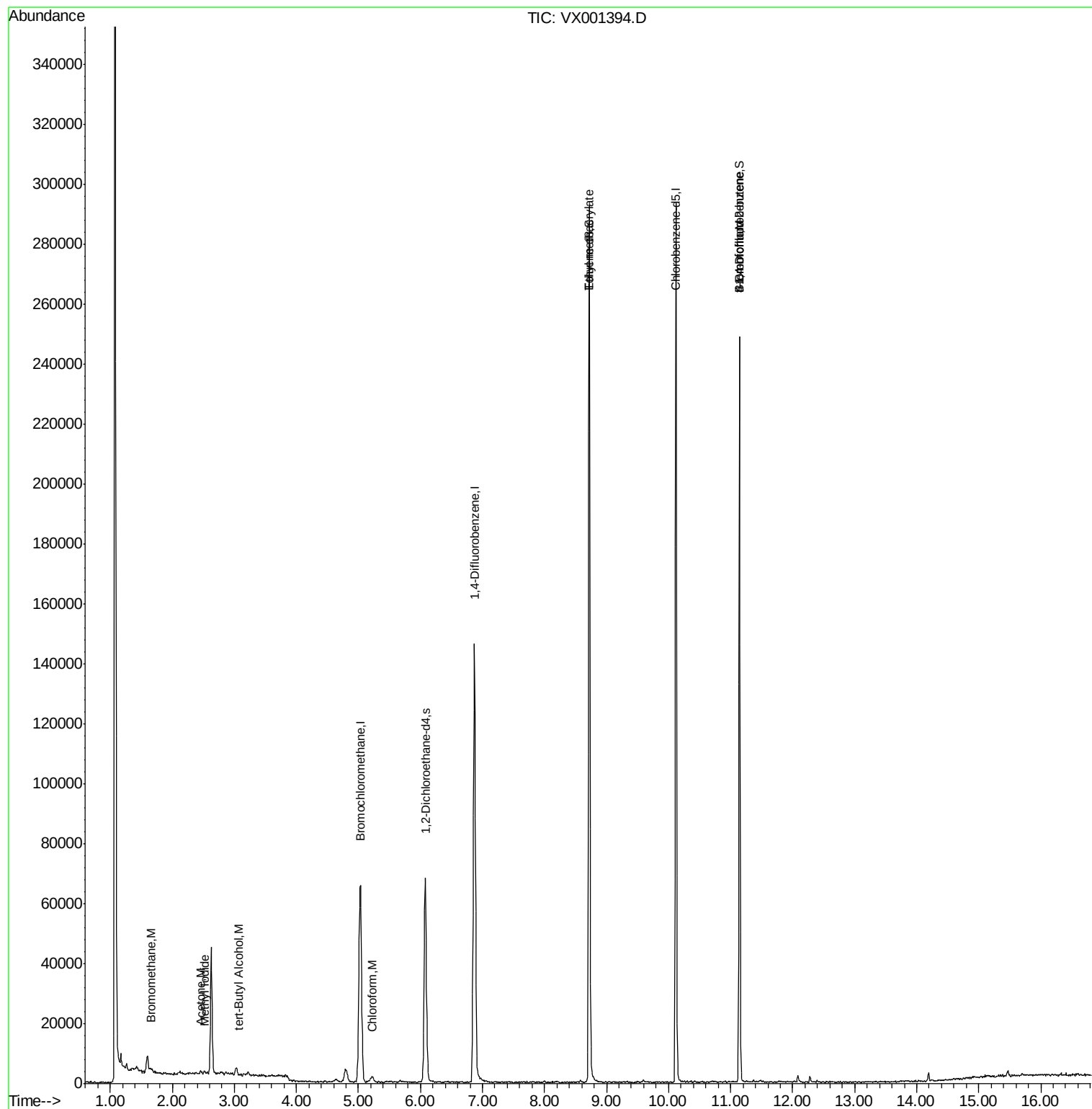
						Qvalue
5) Bromomethane	1.65	94	779	0.54	ug/l	95
11) Methyl Iodide	2.53	142	1004	0.51	ug/l	88
15) Acetone	2.45	58	345	1.31	ug/l #	46
23) tert-Butyl Alcohol	3.07	59	356	1.03	ug/l #	89
25) Chloroform	5.22	83	1552	0.47	ug/l	99
51) Ethyl methacrylate	8.73	69	665	0.26	ug/l #	82
56) Bromoform	11.15	173	832	0.52	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.14	75	29304	43.44	ug/l #	12

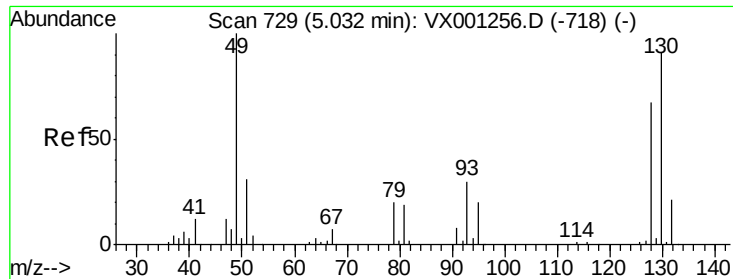
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X043018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 01 09:17:40 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 729

Delta R.T. -0.00 min

Lab File: VX001394.D

Acq: 04 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

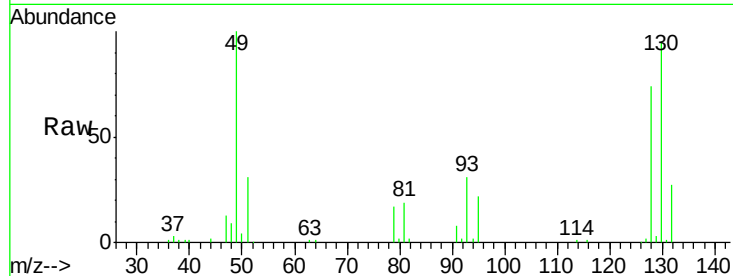
Tgt Ion:128 Resp: 29534

Ion Ratio Lower Upper

128 100

49 141.3 0.0 378.3

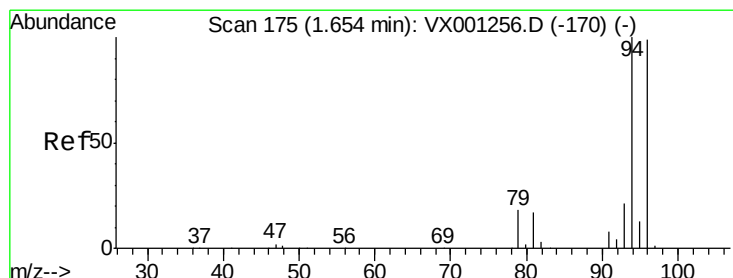
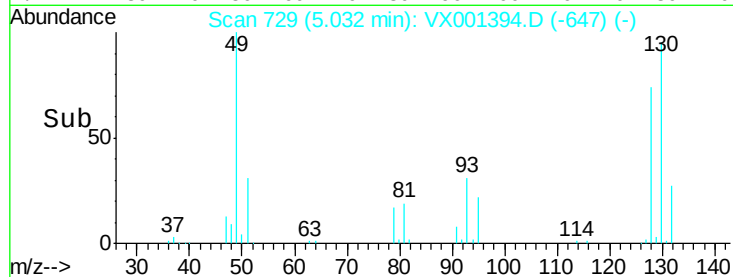
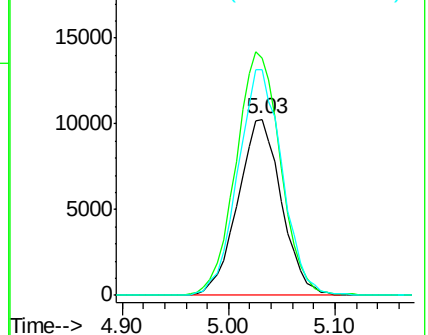
130 129.8 0.0 324.3



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: 0.54 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001394.D

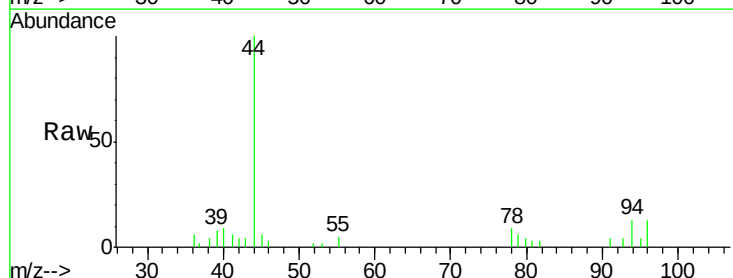
Acq: 04 May 2018 13:29

Tgt Ion: 94 Resp: 779

Ion Ratio Lower Upper

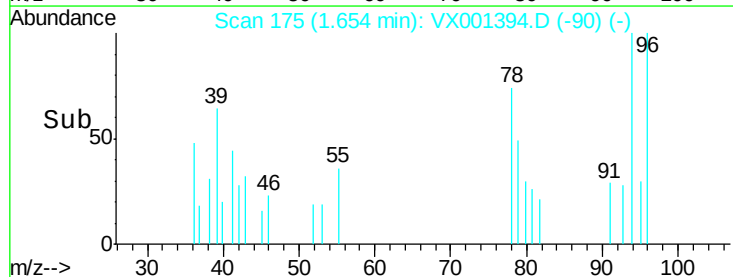
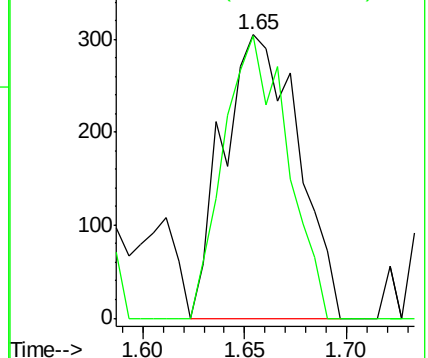
94 100

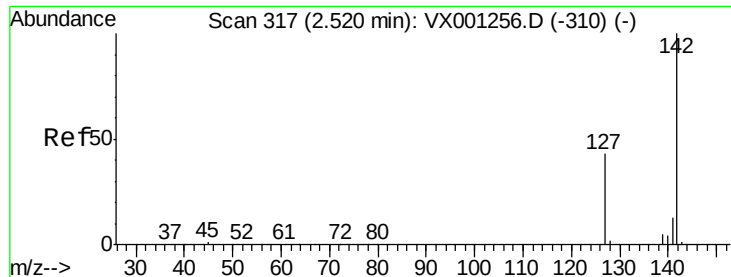
96 99.7 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

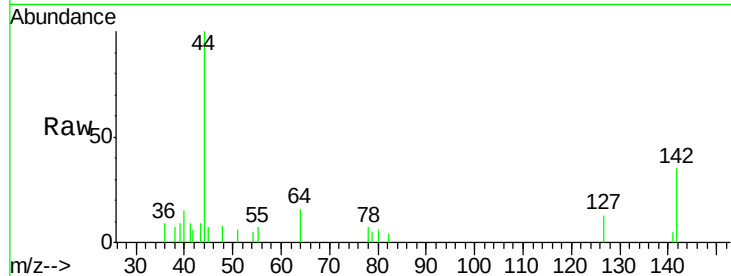




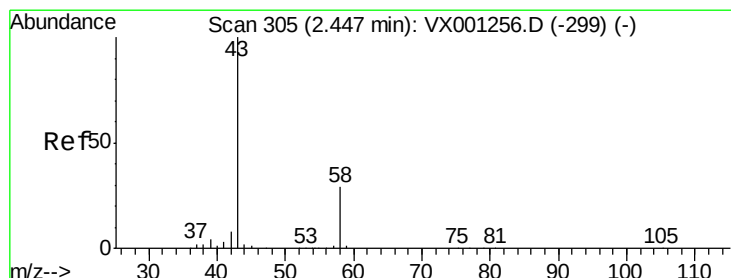
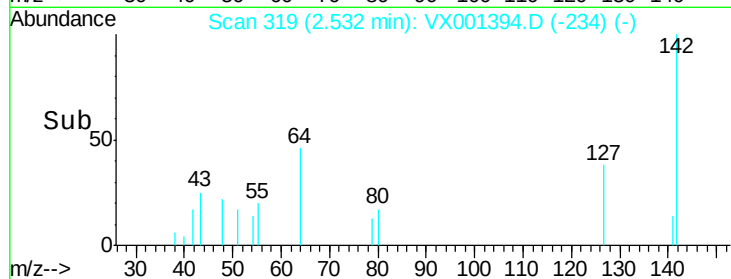
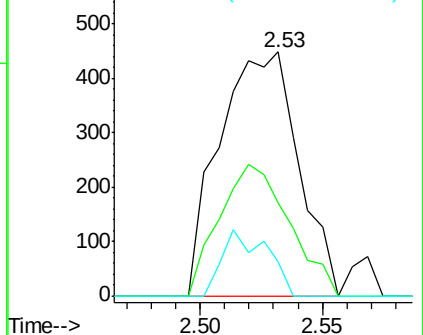
#11
Methyl Iodide
Concen: 0.51 ug/l
RT: 2.53 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX001394.D
Acq: 04 May 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
SPDES-1

Tgt Ion:142 Resp: 1004
Ion Ratio Lower Upper
142 100
127 37.9 23.8 71.5
141 14.1 8.2 24.4

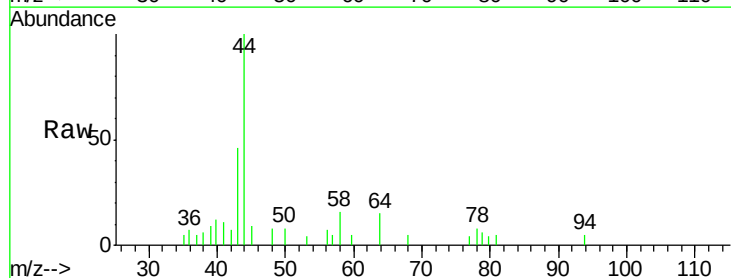


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

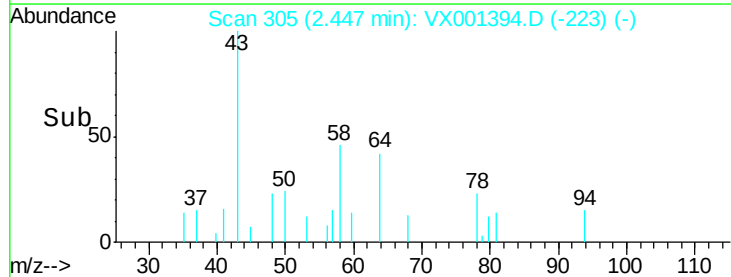
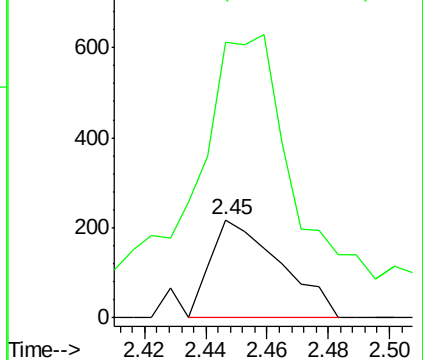


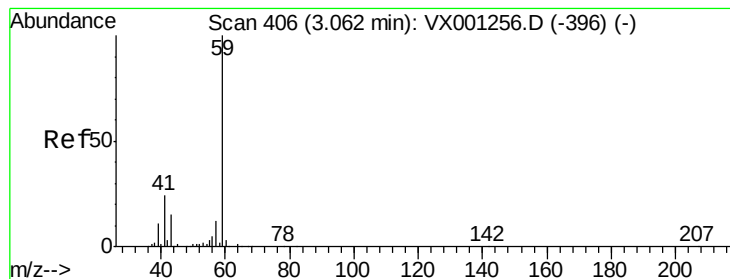
#15
Acetone
Concen: 1.31 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.00 min
Lab File: VX001394.D
Acq: 04 May 2018 13:29

Tgt Ion: 58 Resp: 345
Ion Ratio Lower Upper
58 100
43 217.4 264.6 396.8#



Abundance Ion 58.00 (57.70 to 58.70): VX0
Ion 43.00 (42.70 to 43.70): VX0





#23

tert-Butyl Alcohol

Concen: 1.03 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX001394.D

Acq: 04 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

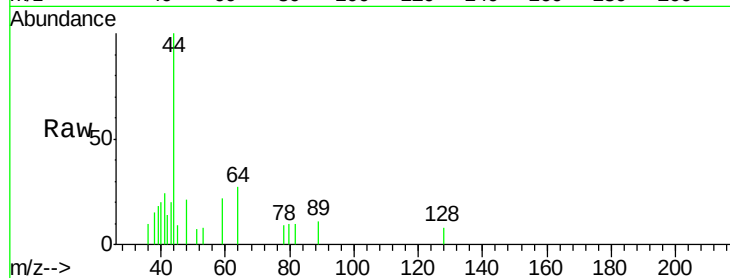
SPDES-1

Tgt Ion: 59 Resp: 356

Ion Ratio Lower Upper

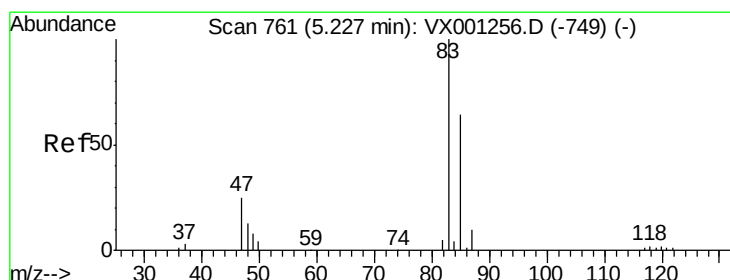
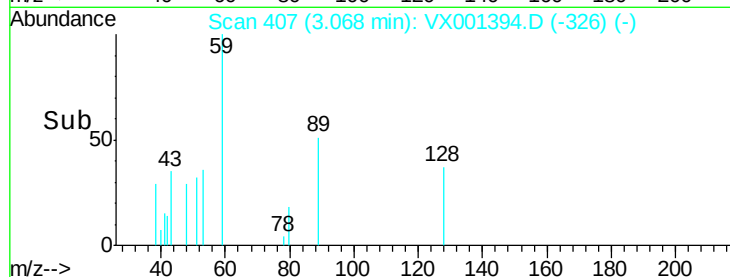
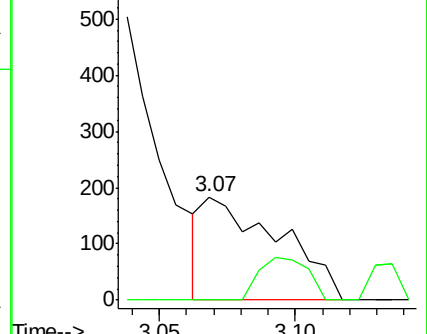
59 100

52 26.4 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#25

Chloroform

Concen: 0.47 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.01 min

Lab File: VX001394.D

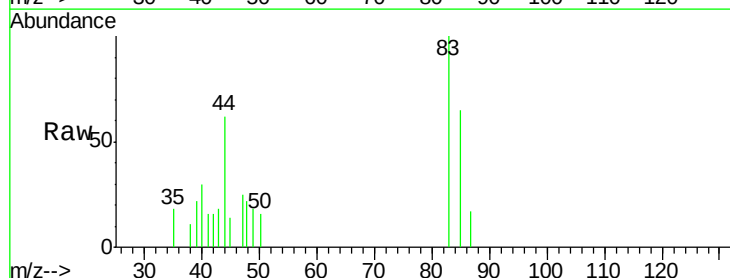
Acq: 04 May 2018 13:29

Tgt Ion: 83 Resp: 1552

Ion Ratio Lower Upper

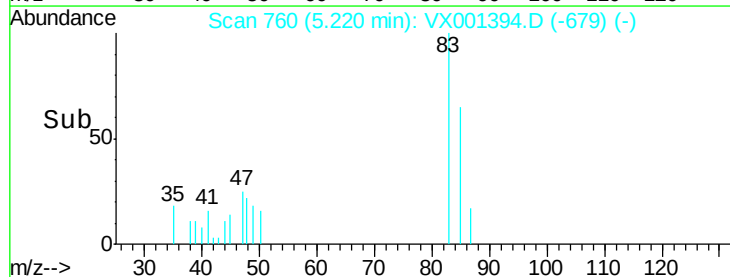
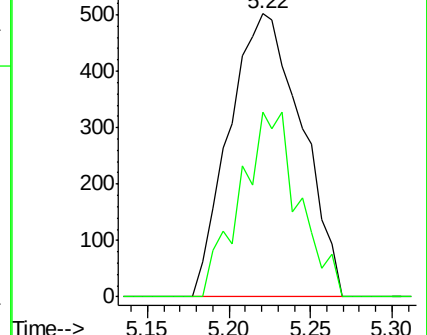
83 100

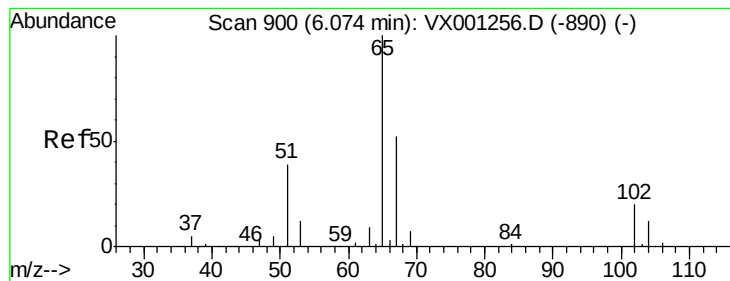
85 65.1 52.5 78.7



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: 29.52 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001394.D

Acq: 04 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

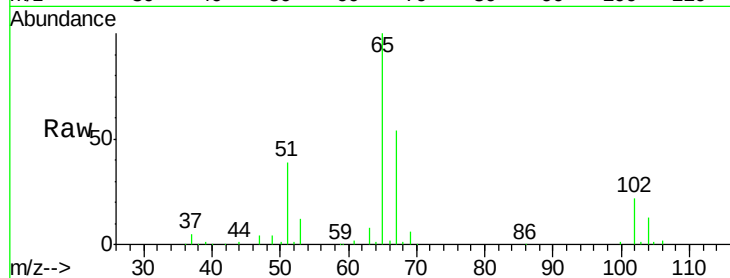
SPDES-1

Tgt Ion: 65 Resp: 62891

Ion Ratio Lower Upper

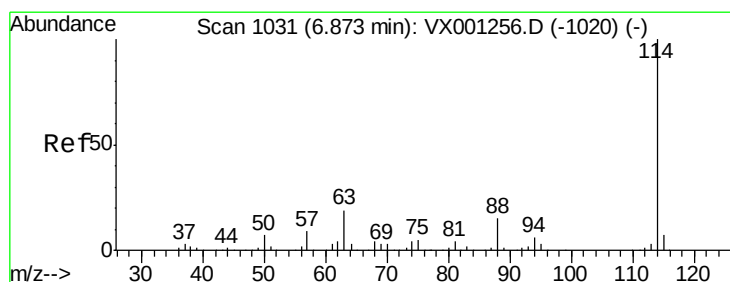
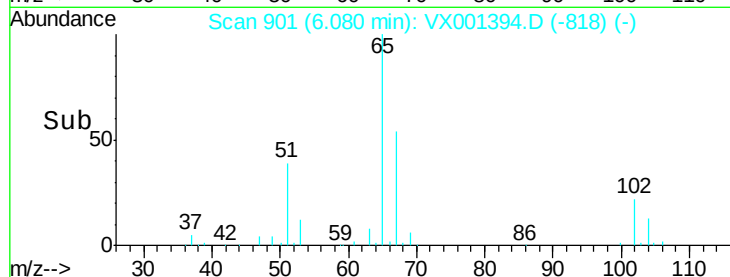
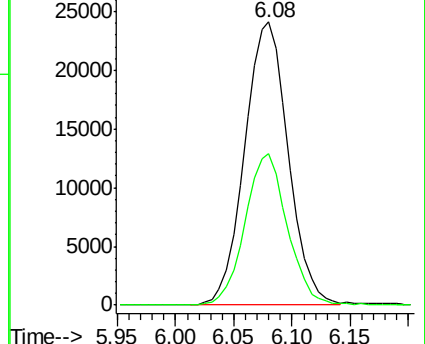
65 100

67 51.7 41.4 62.2



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: VX001394.D

Acq: 04 May 2018 13:29

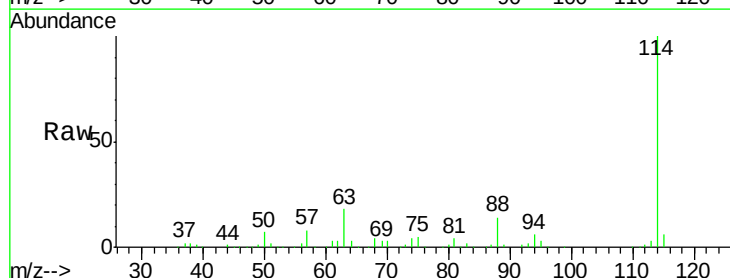
Tgt Ion: 114 Resp: 152643

Ion Ratio Lower Upper

114 100

63 18.6 15.0 22.4

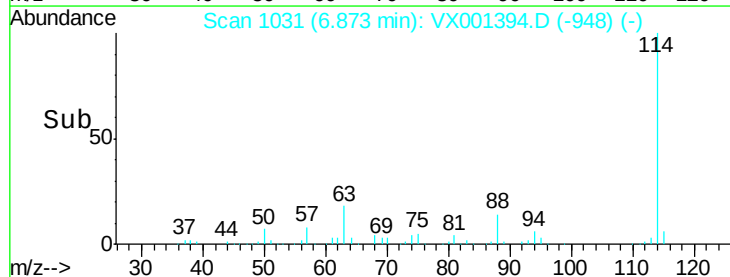
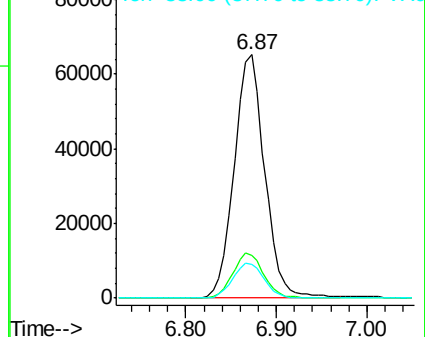
88 14.6 11.8 17.8

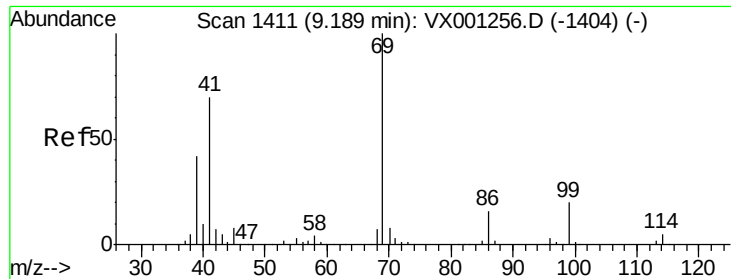


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#51

Ethyl methacrylate

Concen: 0.26 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.46 min

Lab File: VX001394.D

Acq: 04 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

SPDES-1

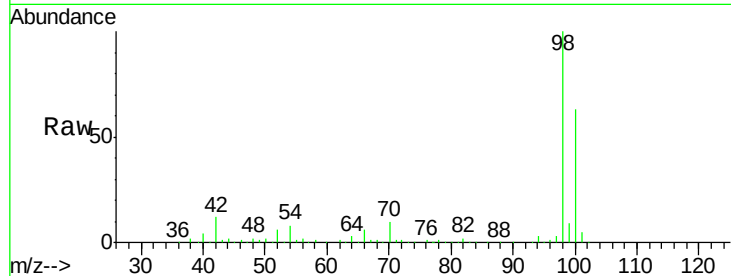
Tgt Ion: 69 Resp: 665

Ion Ratio Lower Upper

69 100

41 70.6 32.1 96.3

39 59.4 19.6 58.7#



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

8.73

8.75

8.77

8.79

8.81

8.83

8.85

8.87

8.89

8.91

8.93

8.95

8.97

8.99

9.01

9.03

9.05

9.07

9.09

9.11

9.13

9.15

9.17

9.19

9.21

9.23

9.25

9.27

9.29

9.31

9.33

9.35

9.37

9.39

9.41

9.43

9.45

9.47

9.49

9.51

9.53

9.55

9.57

9.59

9.61

9.63

9.65

9.67

9.69

9.71

9.73

9.75

9.77

9.79

9.81

9.83

9.85

9.87

9.89

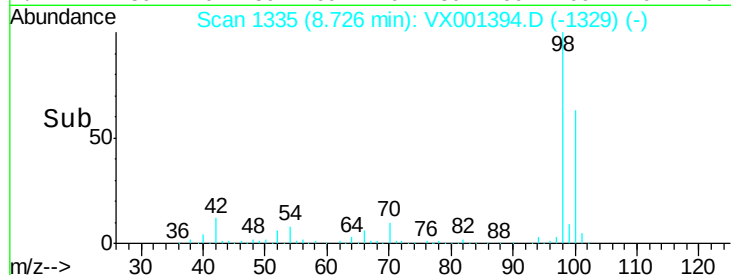
9.91

9.93

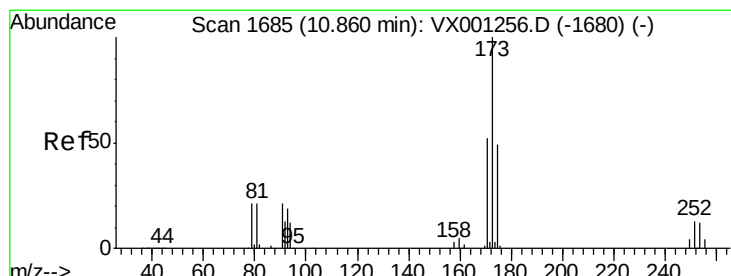
9.95

9.97

9.99



Time-->



#56

Bromoform

Concen: 0.52 ug/l

RT: 11.15 min Scan# 1733

Delta R.T. 0.29 min

Lab File: VX001394.D

Acq: 04 May 2018 13:29

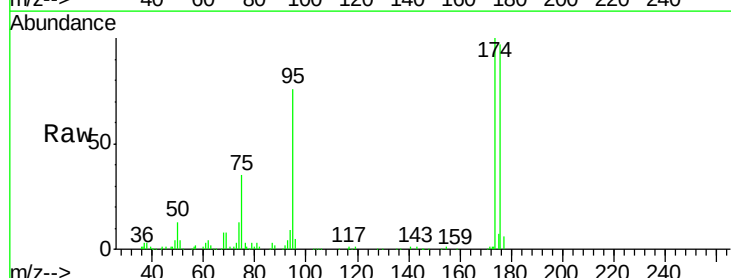
Tgt Ion: 173 Resp: 832

Ion Ratio Lower Upper

173 100

175 538.0 39.0 58.4#

254 0.0 7.0 10.4#



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

11.15

11.17

11.19

11.21

11.23

11.25

11.27

11.29

11.31

11.33

11.35

11.37

11.39

11.41

11.43

11.45

11.47

11.49

11.51

11.53

11.55

11.57

11.59

11.61

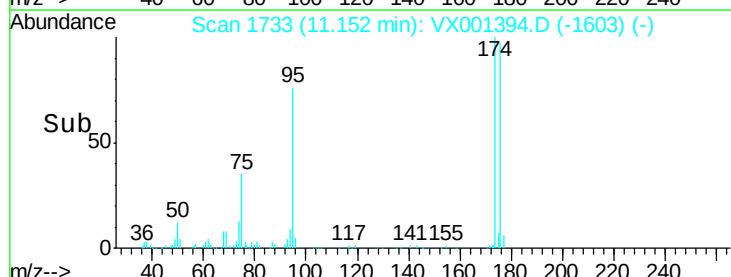
11.63

11.65

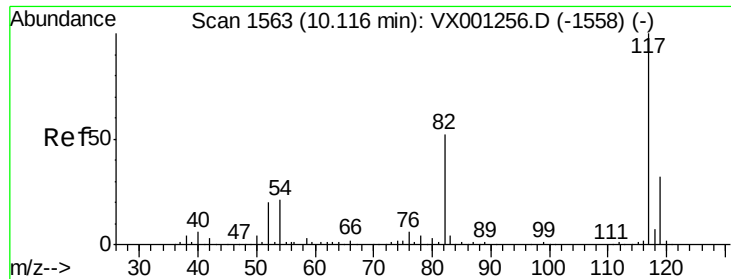
11.67

11.69

11.71



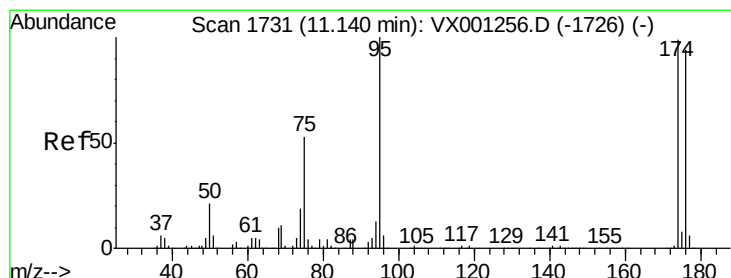
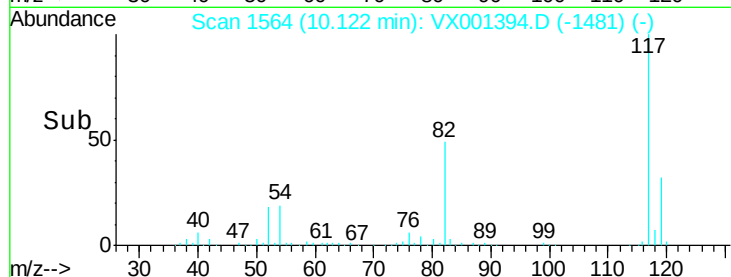
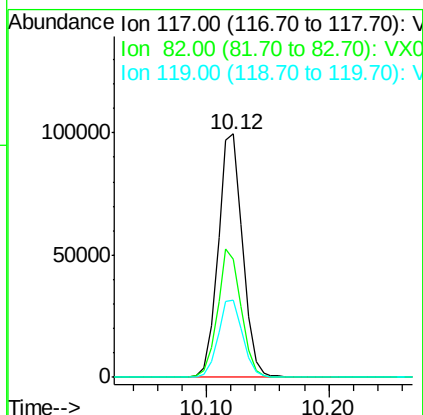
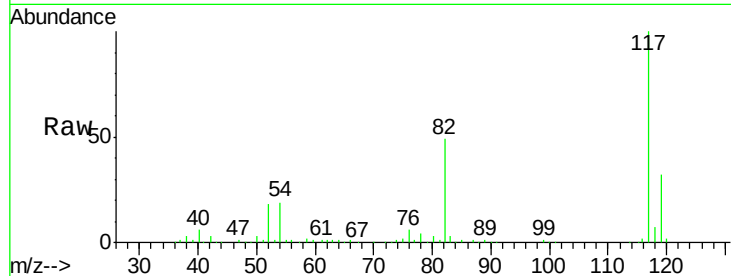
Time-->



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001394.D
Acq: 04 May 2018 13:29

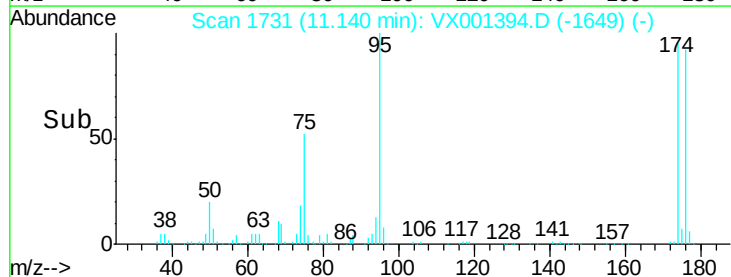
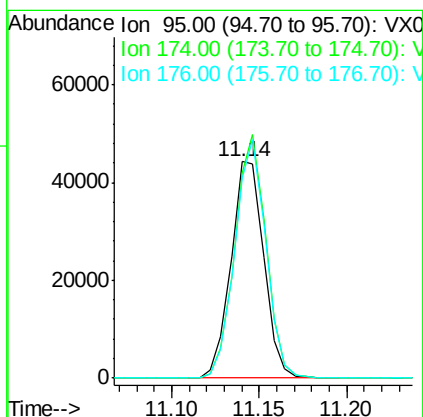
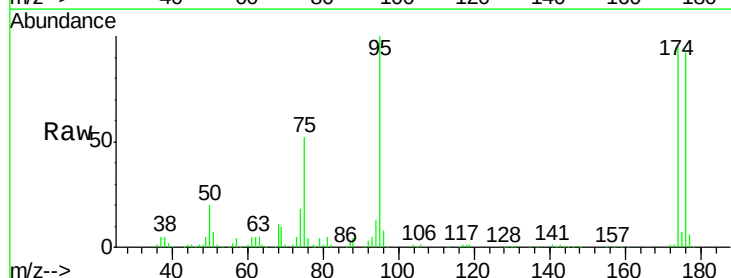
Instrument :
MSVOA_X
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SPDES-1

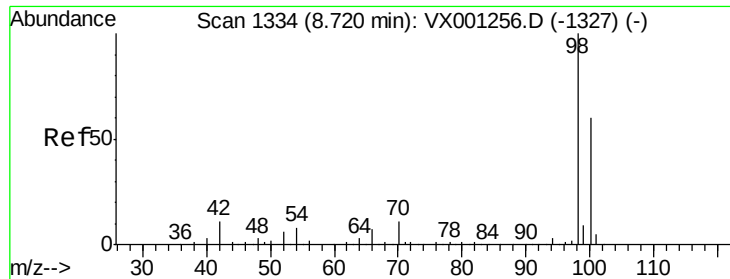
Tgt Ion: 117 Resp: 138100
Ion Ratio Lower Upper
117 100
82 51.0 43.0 64.4
119 31.9 25.8 38.8



#60
4-Bromofluorobenzene
Concen: 25.07 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001394.D
Acq: 04 May 2018 13:29

Tgt Ion: 95 Resp: 58015
Ion Ratio Lower Upper
95 100
174 106.2 71.1 106.7
176 104.0 69.3 103.9#





#63

Toluene-d8

Concen: 29.74 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001394.D

Acq: 04 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

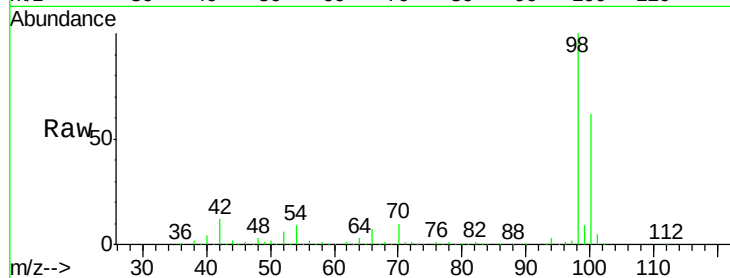
SPDES-1

Tgt Ion: 98 Resp: 176132

Ion Ratio Lower Upper

98 100

100 62.3 50.0 75.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

120000

100000

80000

60000

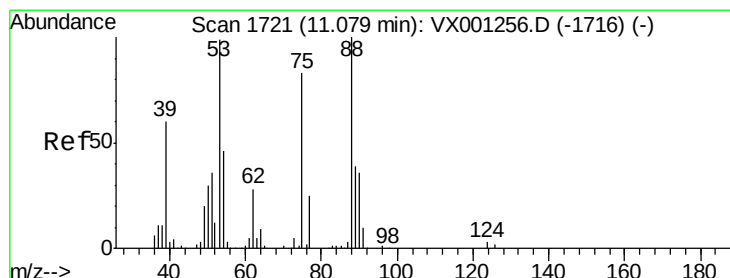
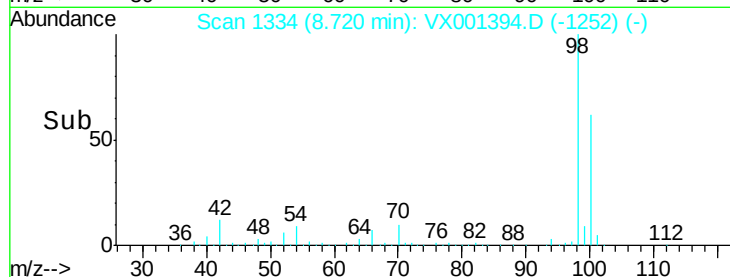
40000

20000

0

8.65 8.70 8.75 8.80 8.85

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 43.44 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001394.D

Acq: 04 May 2018 13:29

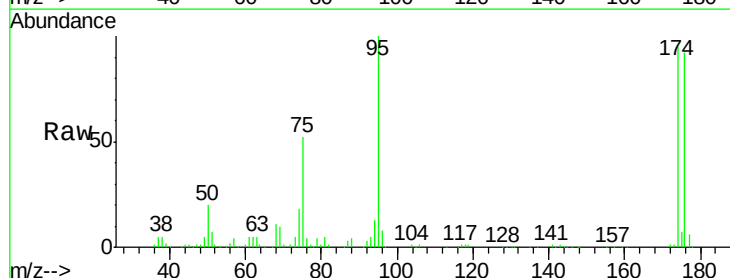
Tgt Ion: 75 Resp: 29304

Ion Ratio Lower Upper

75 100

53 0.3 47.8 143.3#

89 0.0 22.3 66.8#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

11.14

30000

25000

20000

15000

10000

5000

0

11.10 11.15

Time-->

