

Data File : VX001946.D

Acq On : 24 May 2018 17:35

Operator : JC/MD

Sample : J3044-04

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 13 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

Quant Time: May 25 03:33:14 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

QLast Update : Thu May 24 13:09:03 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	342938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	525616	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	470930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	245686	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	263634	43.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.02%	
35) Dibromofluoromethane	5.51	113	207358	39.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.90%	
50) Toluene-d8	8.72	98	747695	39.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.58%	
62) 4-Bromofluorobenzene	11.14	95	270521	36.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	537	Below Cal		81
3) Chloromethane	1.32	50	1609	0.30 ug/l	#	83
5) Bromomethane	1.65	94	2198	Below Cal		96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	879	0.21 ug/l	#	68
10) Methyl Iodide	2.52	142	3093	0.54 ug/l	#	96
11) Tert butyl alcohol	3.09	59	340	0.28 ug/l	#	22
13) Acrolein	2.30	56	351	0.67 ug/l	#	77
15) Acrylonitrile	3.15	53	511	0.21 ug/l	#	68
16) Acetone	2.45	43	17579	7.43 ug/l		100
17) Carbon Disulfide	2.57	76	3314	0.29 ug/l	#	92
18) Methyl Acetate	2.78	43	715	Below Cal	#	84
20) Methylene Chloride	2.86	84	3341	Below Cal		94
21) trans-1,2-Dichloroethene	3.17	96	331	Below Cal	#	50
23) Vinyl Acetate	3.84	43	3718	0.26 ug/l	#	94
25) 2-Butanone	4.72	43	1567	0.36 ug/l	#	79
28) Bromochloromethane	5.03	49	325	Below Cal	#	27
29) Tetrahydrofuran	5.20	42	1310	0.46 ug/l	#	60
38) Carbon Tetrachloride	5.67	117	31466	3.69 ug/l	#	14
41) Methacrylonitrile	5.12	41	373	Below Cal	#	50
74) N-amyl acetate	6.49	43	465	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.26	83	442	Below Cal	#	35
76) 1,2,3-Trichloropropane	11.14	75	140669	23.84 ug/l	#	33
79) 2-Chlorotoluene	11.42	91	1265	Below Cal		81
81) trans-1,4-Dichloro-2-buten	11.14	75	140669	57.29 ug/l	#	10
93) 1,2,4-Trichlorobenzene	13.65	180	1615	0.22 ug/l		96

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

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Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 13 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

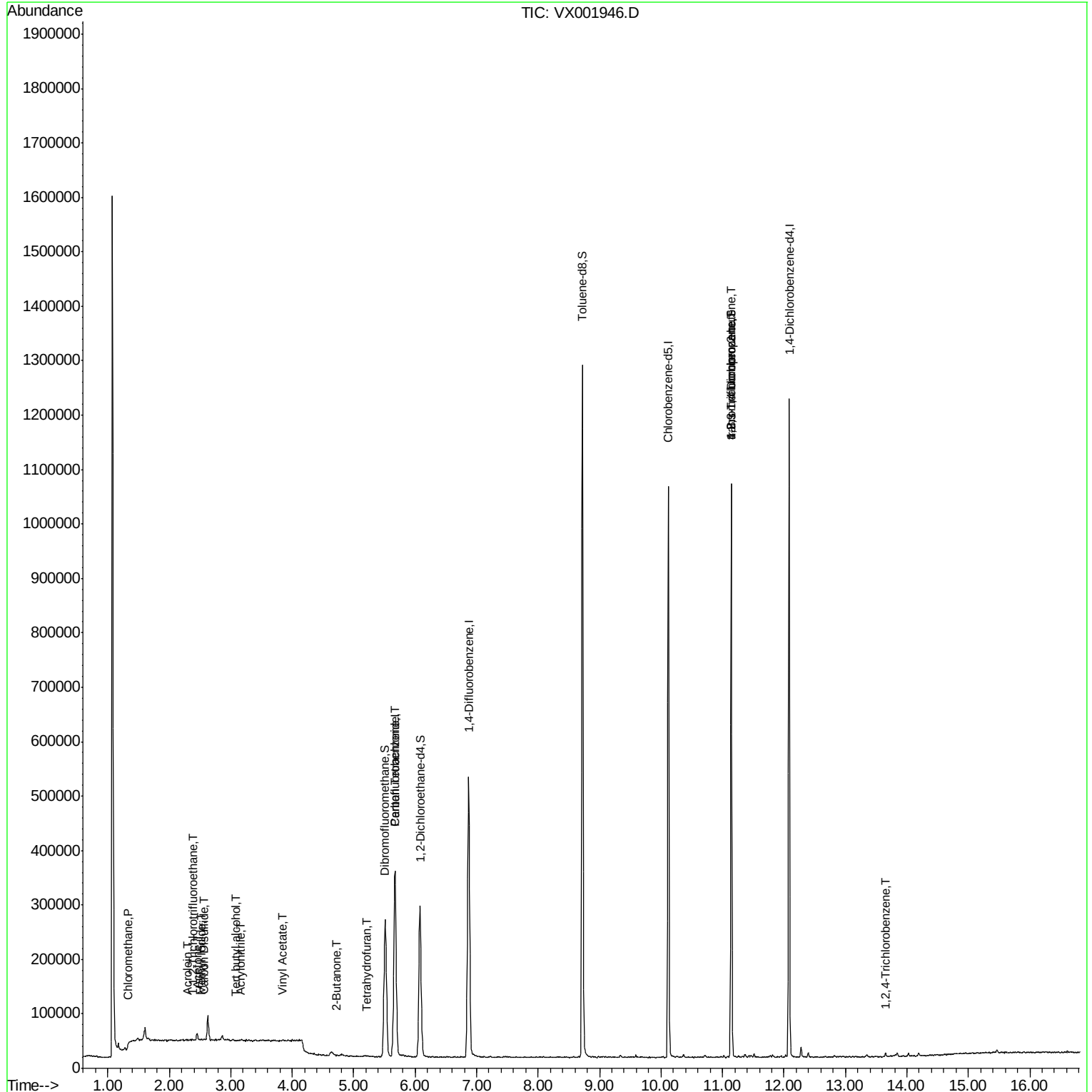
Quant Time: May 25 03:33:14 2018

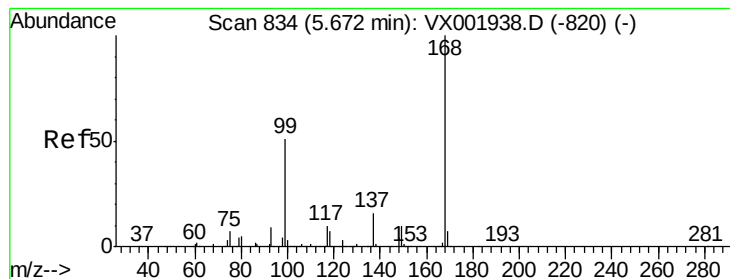
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

QLast Update : Thu May 24 13:09:03 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

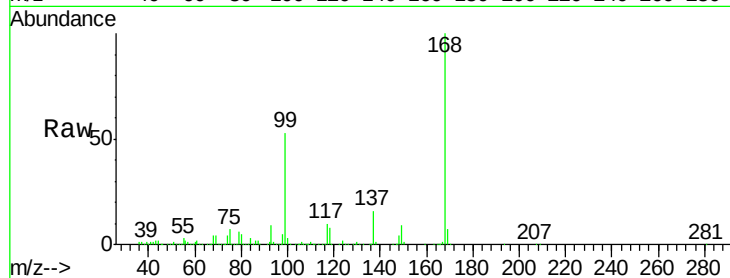
STORAGEBLANK-SAMPLEMANAG

Tgt Ion:168 Resp: 342938

Ion Ratio Lower Upper

168 100

99 52.5 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

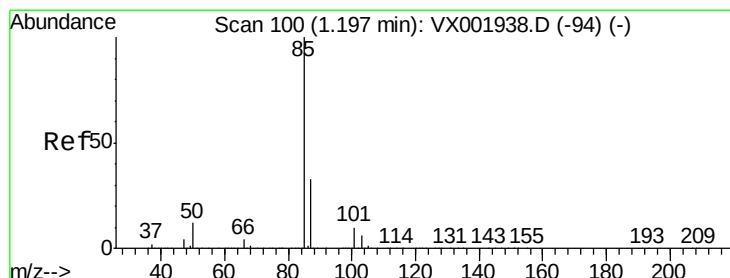
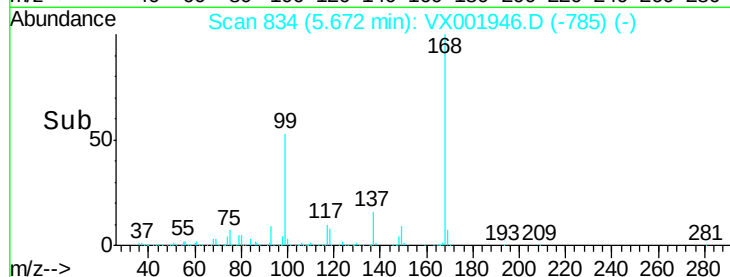
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.21 min Scan# 102

Delta R.T. 0.01 min

Lab File: VX001946.D

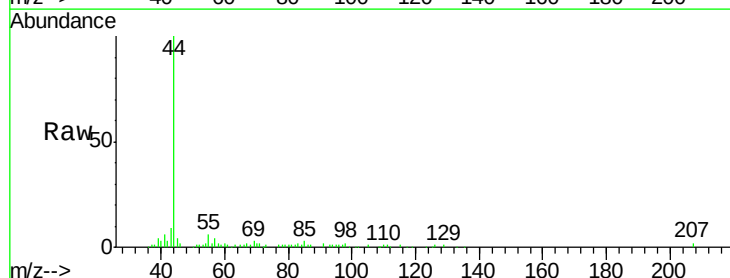
Acq: 24 May 2018 17:35

Tgt Ion: 85 Resp: 537

Ion Ratio Lower Upper

85 100

87 22.3 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.21

600

500

400

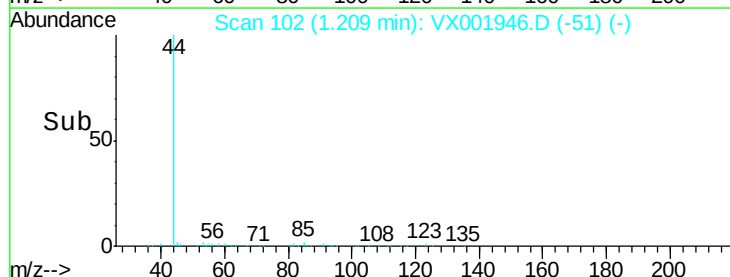
300

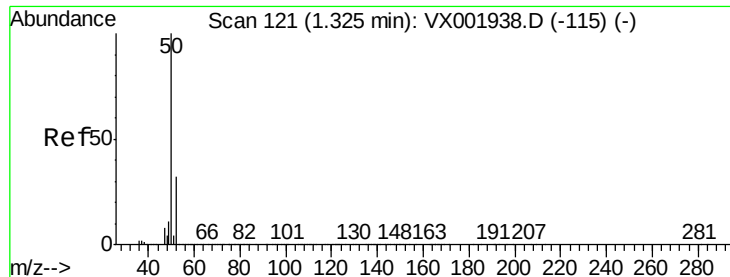
200

100

0

Time-->





#3

Chloromethane

Concen: 0.30 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

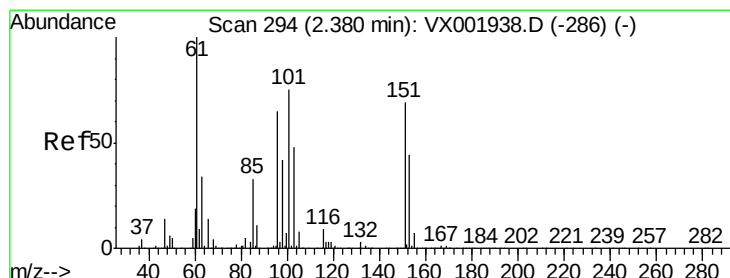
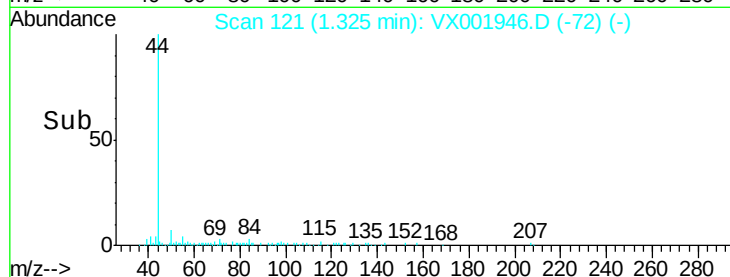
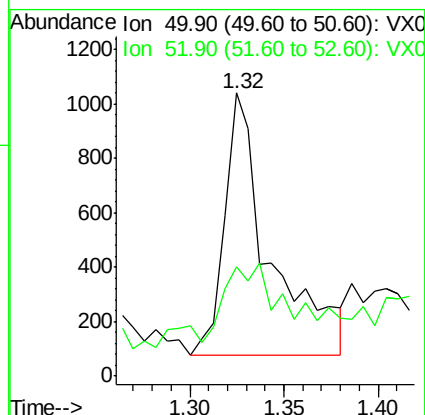
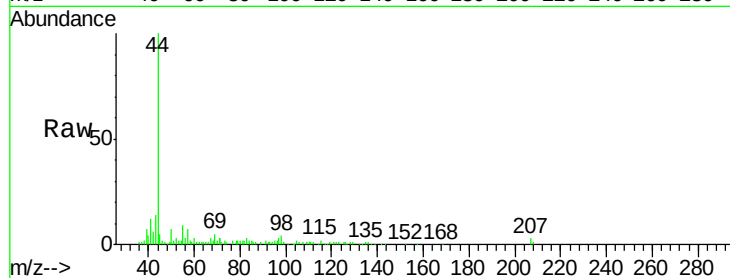
STORAGEBLANK-SAMPLEMANAG

Tgt Ion: 50 Resp: 1609

Ion Ratio Lower Upper

50 100

52 22.9 26.0 39.0#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.21 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

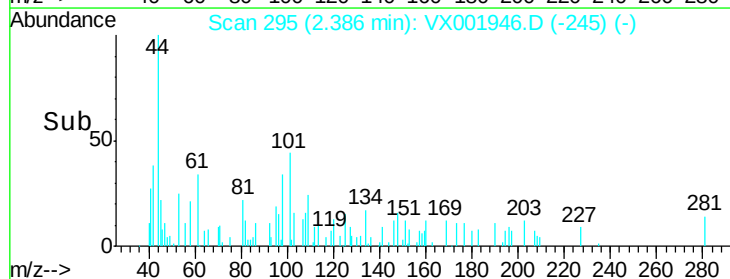
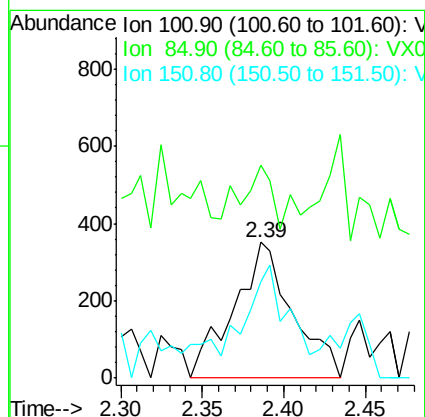
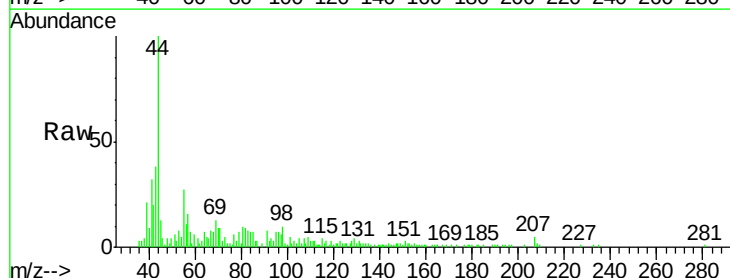
Tgt Ion: 101 Resp: 879

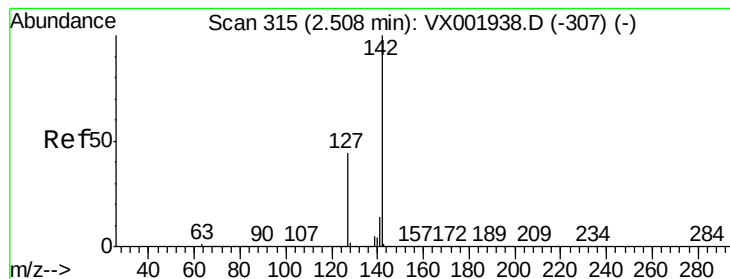
Ion Ratio Lower Upper

101 100

85 27.6 35.6 53.4#

151 58.0 73.2 109.8#





#10

Methyl Iodide

Concen: 0.54 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGE\BLANK-SAMPLE\MANAG

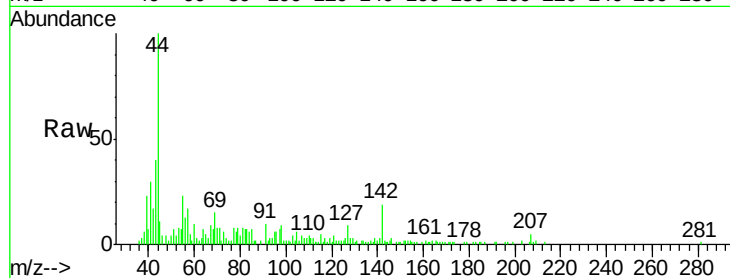
Tgt Ion: 142 Resp: 3093

Ion Ratio Lower Upper

142 100

127 44.3 35.5 53.3

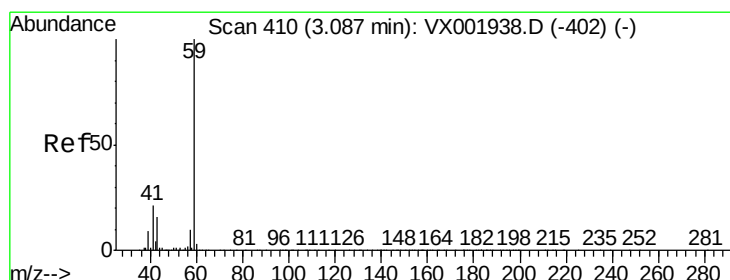
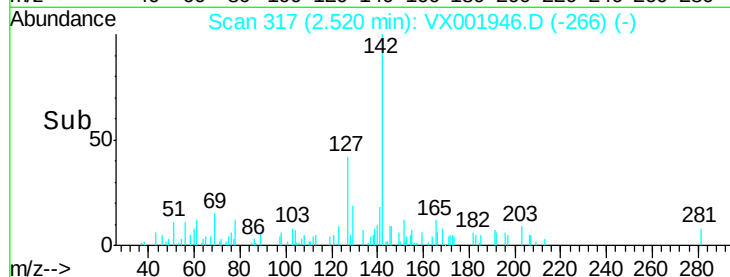
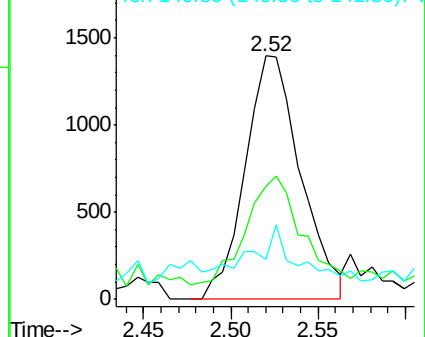
141 20.9 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.28 ug/l

RT: 3.09 min Scan# 410

Delta R.T. -0.00 min

Lab File: VX001946.D

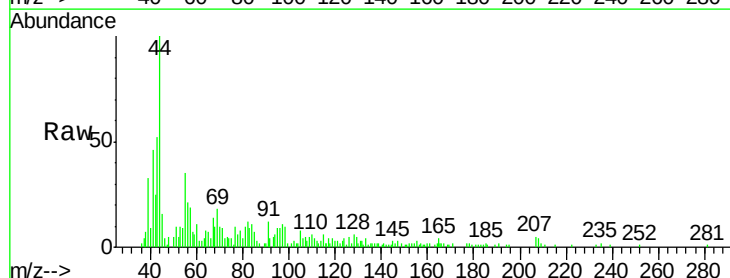
Acq: 24 May 2018 17:35

Tgt Ion: 59 Resp: 340

Ion Ratio Lower Upper

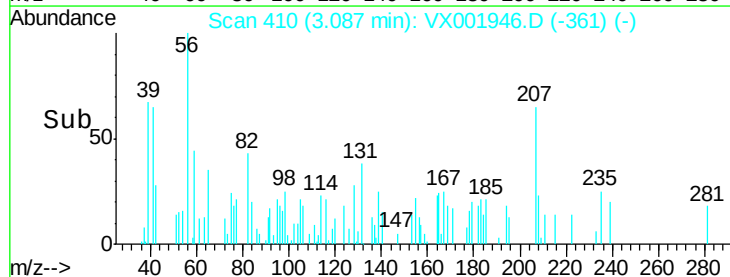
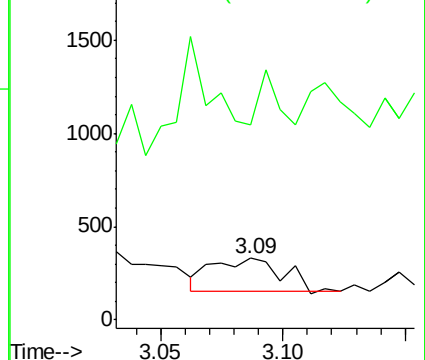
59 100

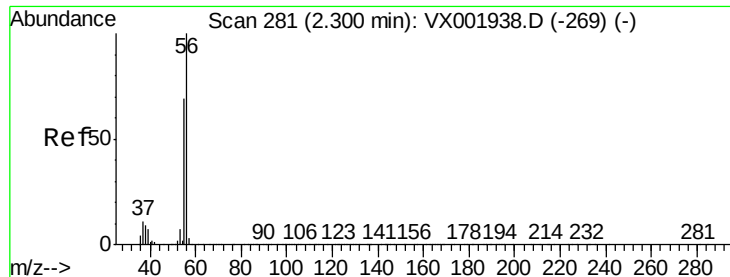
57 40.6 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.67 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

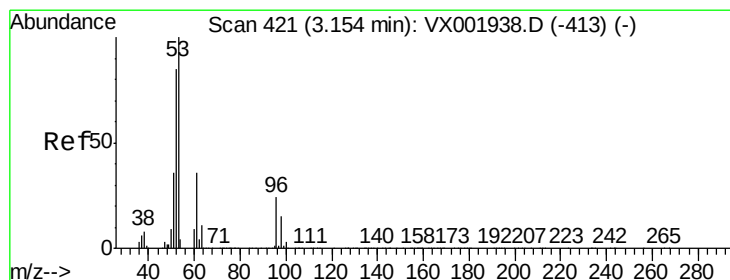
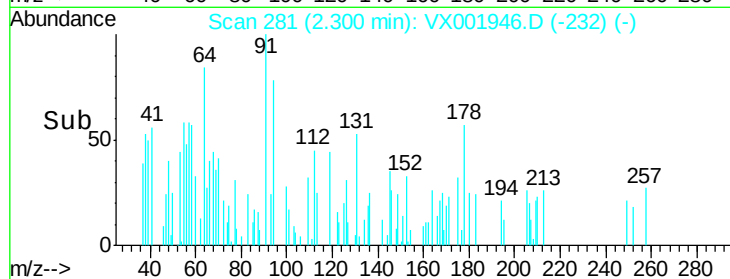
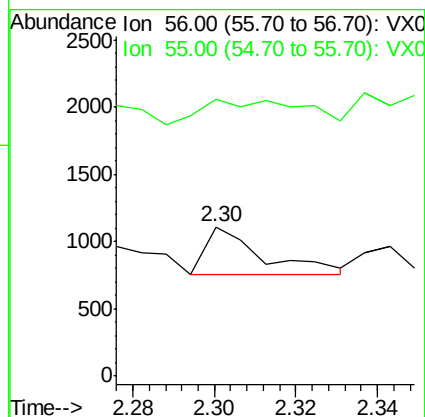
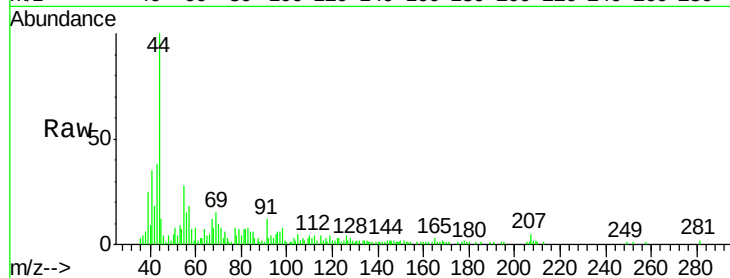
STORAGEBLANK-SAMPLEMANAG

Tgt Ion: 56 Resp: 351

Ion Ratio Lower Upper

56 100

55 90.3 56.8 85.2#



#15

Acrylonitrile

Concen: 0.21 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

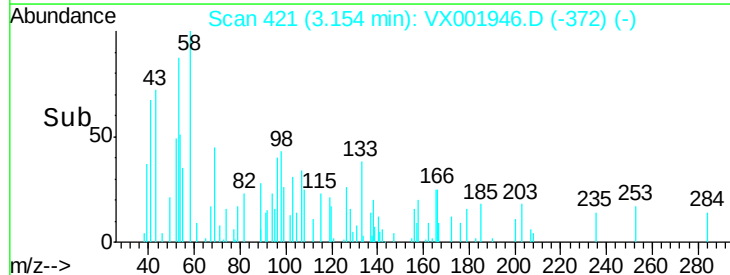
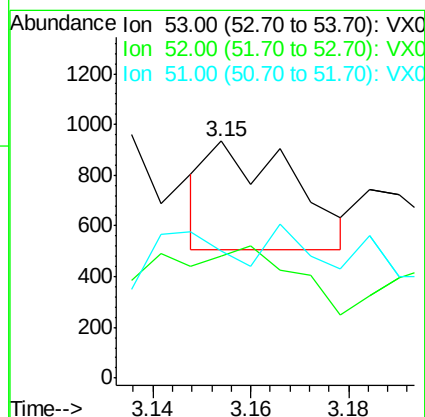
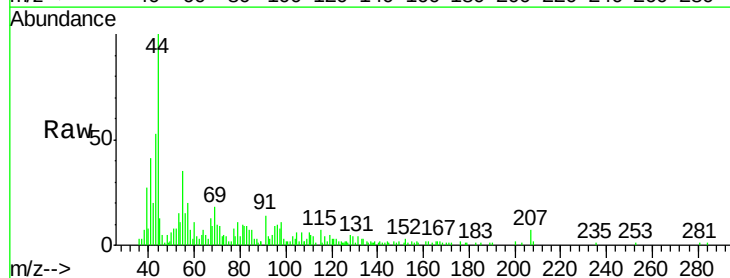
Tgt Ion: 53 Resp: 511

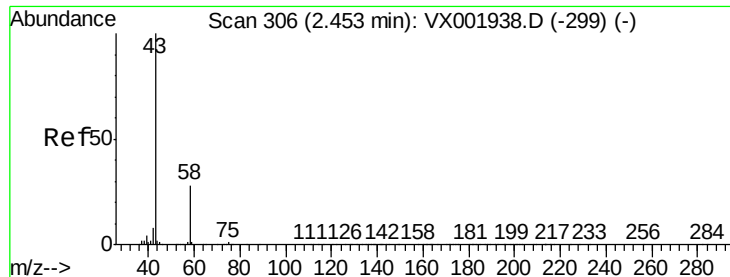
Ion Ratio Lower Upper

53 100

52 109.2 66.4 99.6#

51 58.5 29.3 43.9#





#16

Acetone

Concen: 7.43 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

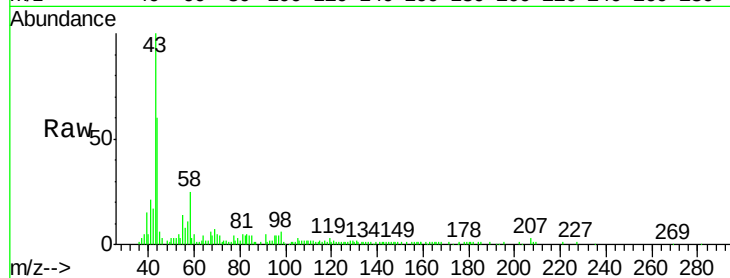
STORAGEBLANK-SAMPLEMANAG

Tgt Ion: 43 Resp: 17579

Ion Ratio Lower Upper

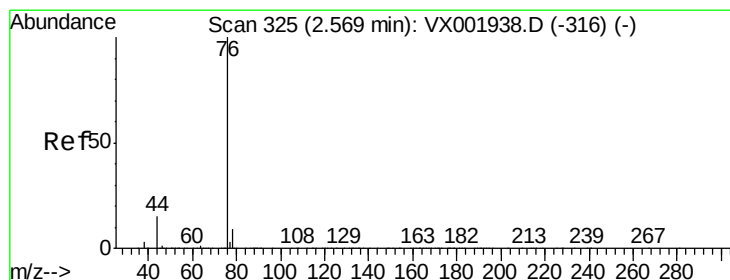
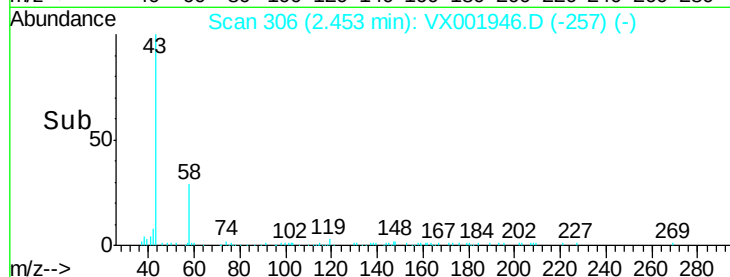
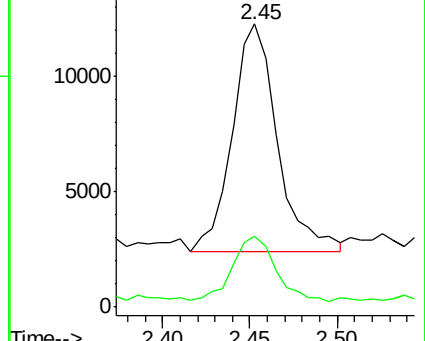
43 100

58 28.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.29 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001946.D

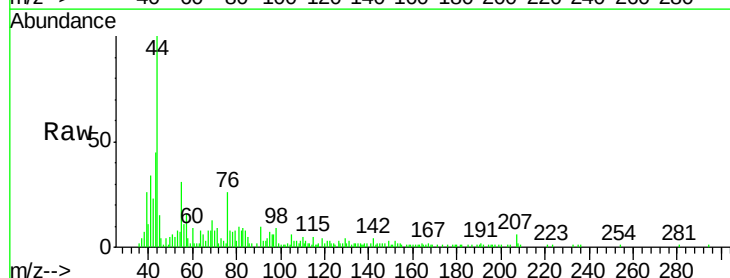
Acq: 24 May 2018 17:35

Tgt Ion: 76 Resp: 3314

Ion Ratio Lower Upper

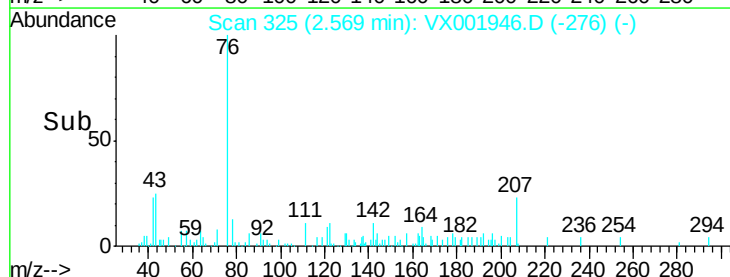
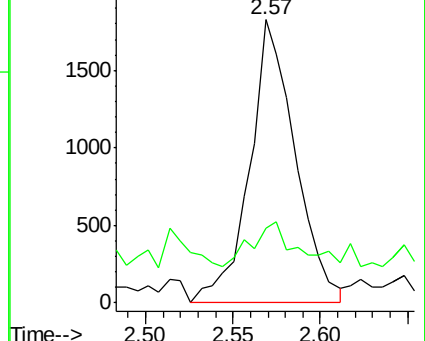
76 100

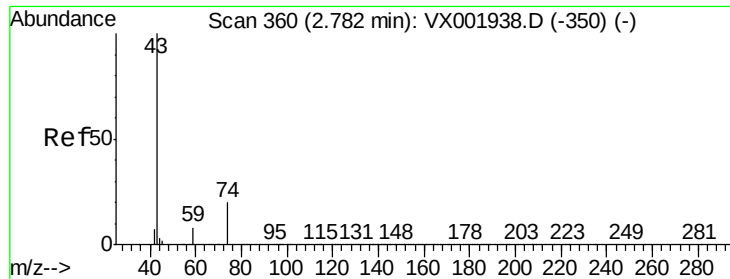
78 12.2 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

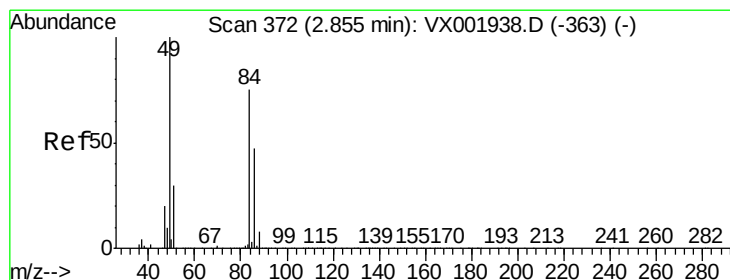
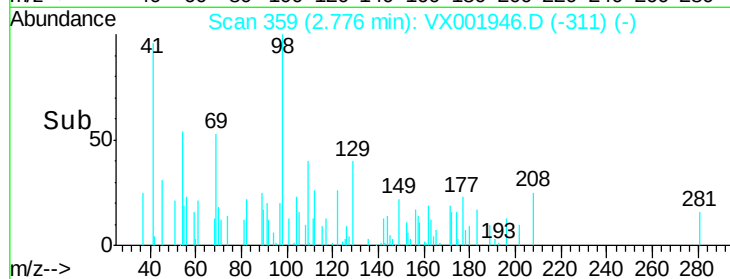
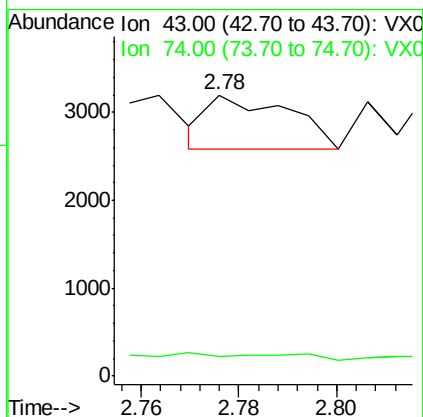
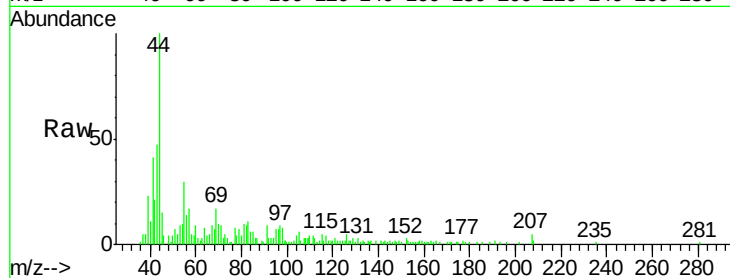




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX001946.D
Acq: 24 May 2018 17:35

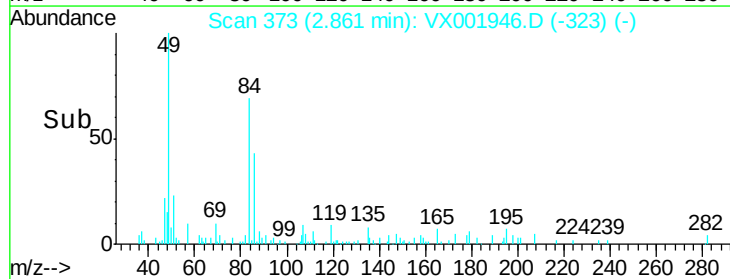
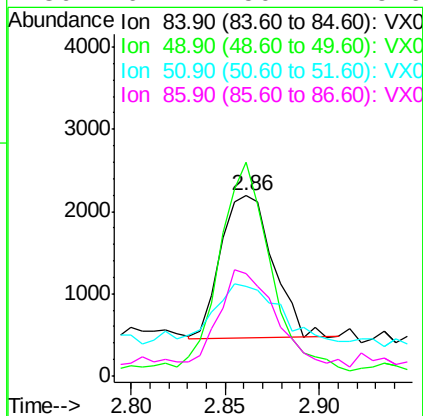
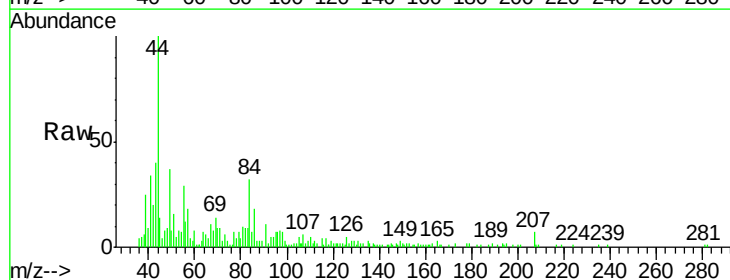
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

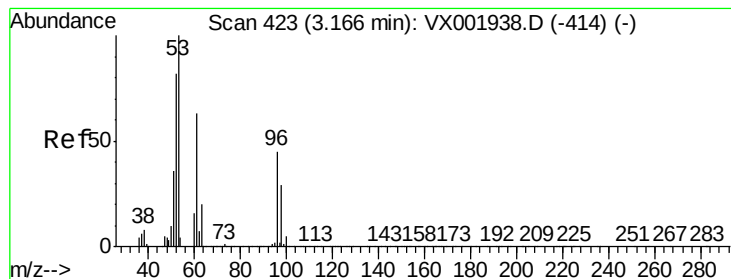
Tgt Ion: 43 Resp: 715
Ion Ratio Lower Upper
43 100
74 13.7 16.8 25.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX001946.D
Acq: 24 May 2018 17:35

Tgt Ion: 84 Resp: 3341
Ion Ratio Lower Upper
84 100
49 145.7 107.2 160.8
51 38.4 32.4 48.6
86 62.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

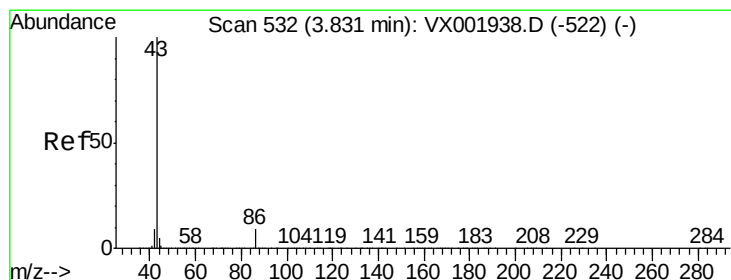
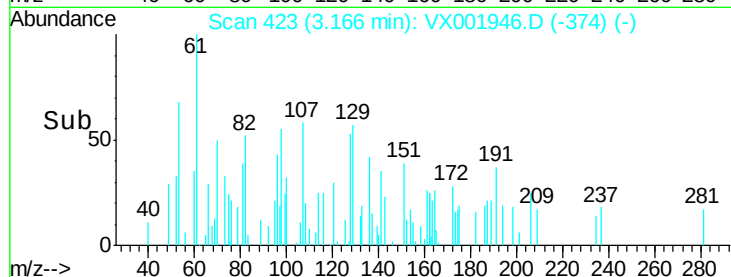
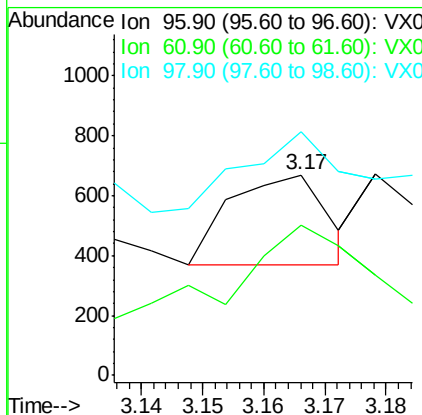
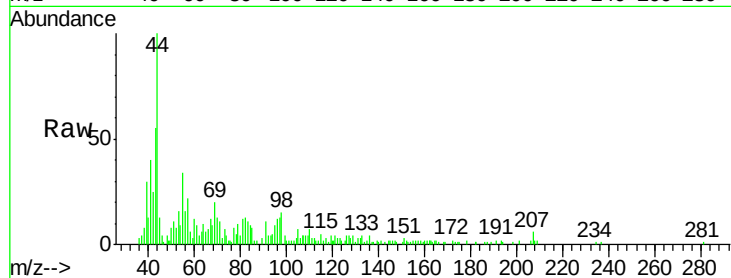
Tgt Ion: 96 Resp: 331

Ion Ratio Lower Upper

96 100

61 67.4 113.3 169.9#

98 84.7 51.7 77.5#



#23

Vinyl Acetate

Concen: 0.26 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.01 min

Lab File: VX001946.D

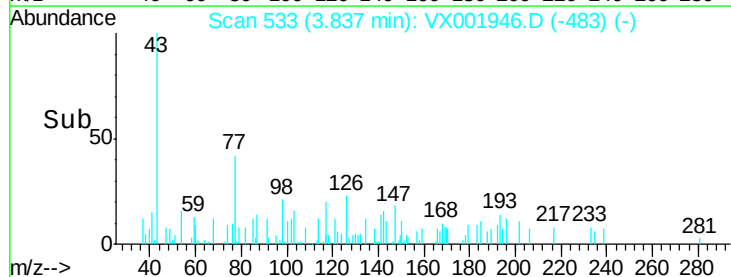
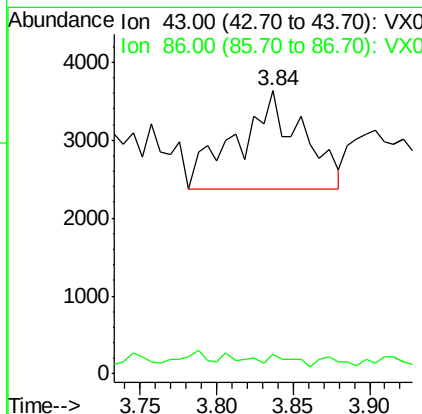
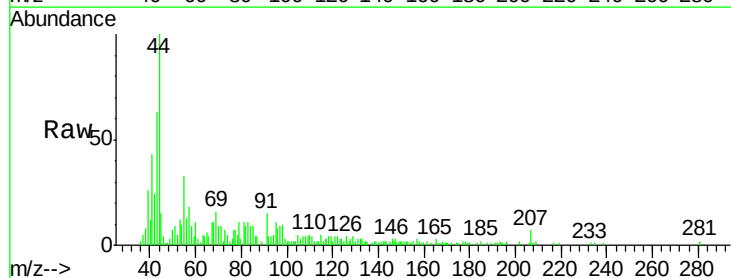
Acq: 24 May 2018 17:35

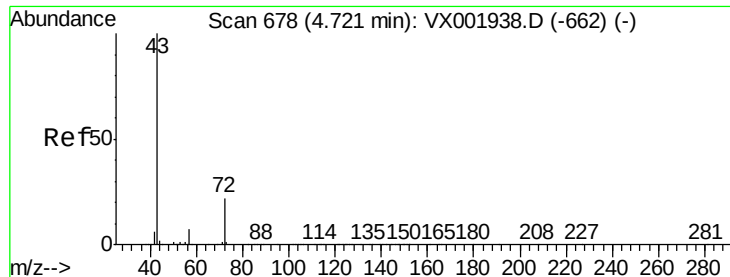
Tgt Ion: 43 Resp: 3718

Ion Ratio Lower Upper

43 100

86 7.5 7.6 11.4#

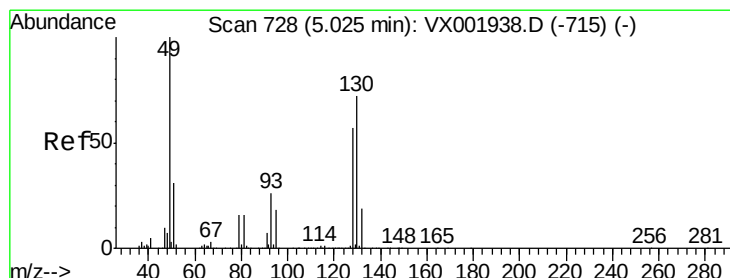
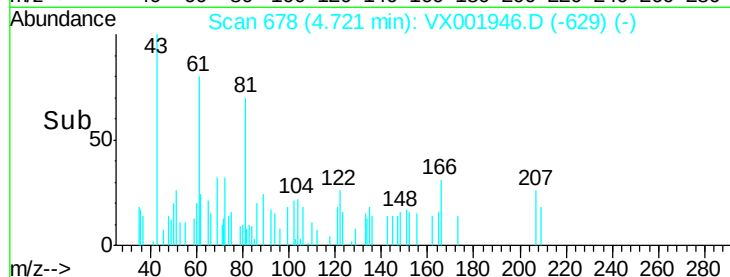
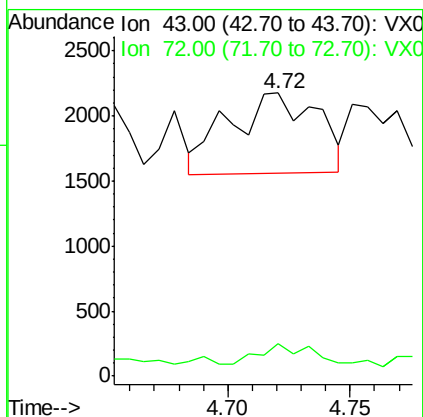
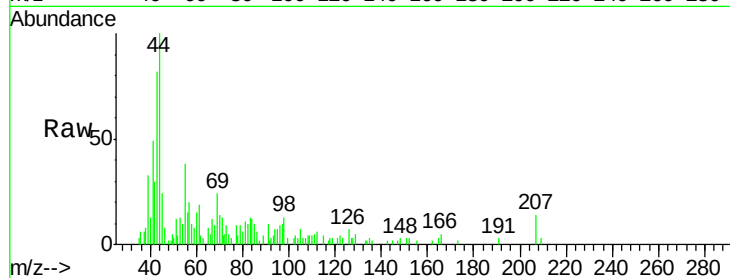




#25
2-Butanone
Concen: 0.36 ug/l
RT: 4.72 min Scan# 678
Delta R.T. -0.00 min
Lab File: VX001946.D
Acq: 24 May 2018 17:35

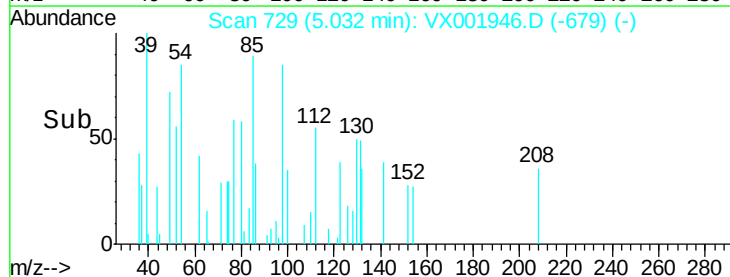
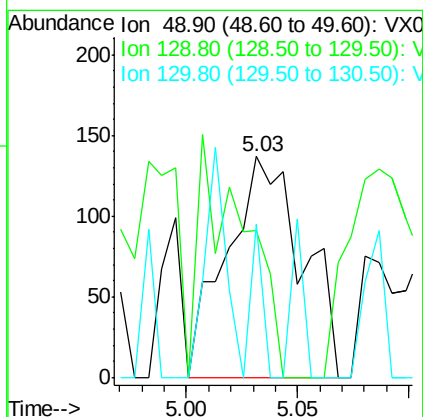
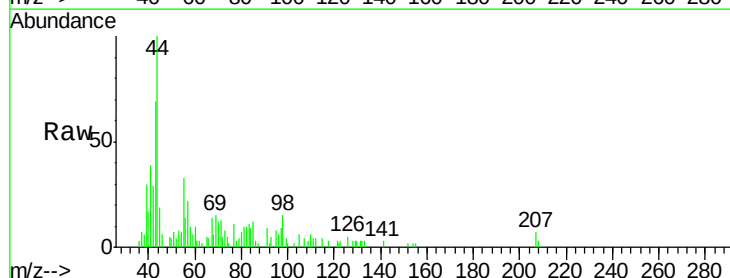
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

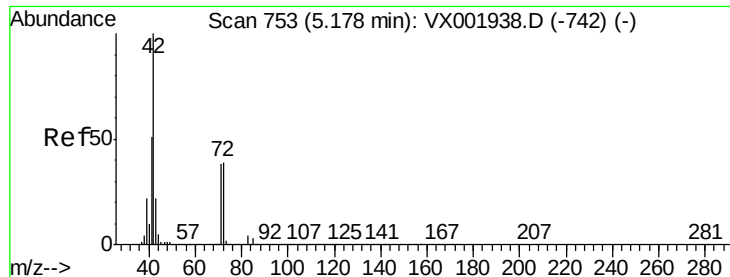
Tgt Ion: 43 Resp: 1567
Ion Ratio Lower Upper
43 100
72 32.3 17.9 26.9#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 729
Delta R.T. 0.01 min
Lab File: VX001946.D
Acq: 24 May 2018 17:35

Tgt Ion: 49 Resp: 325
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 11.1 59.4 89.2#





#29

Tetrahydrofuran

Concen: 0.46 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

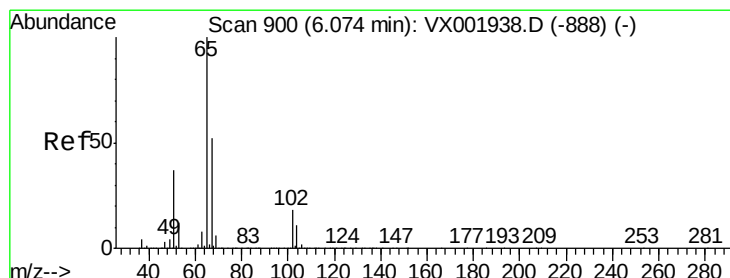
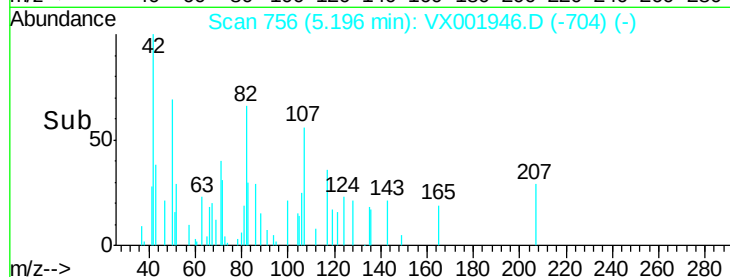
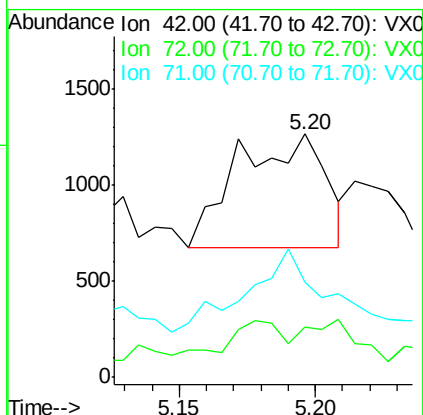
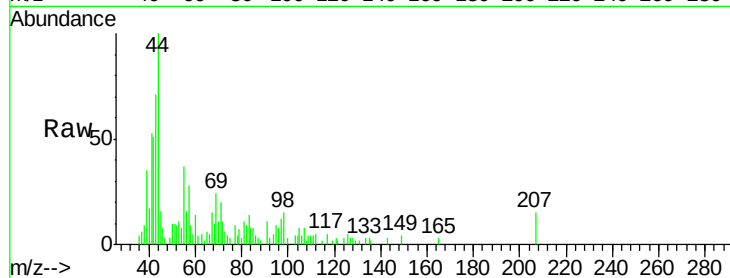
Tgt Ion: 42 Resp: 1310

Ion Ratio Lower Upper

42 100

72 21.4 31.4 47.0#

71 67.0 29.5 44.3#



#33

1,2-Dichloroethane-d4

Concen: 43.01 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001946.D

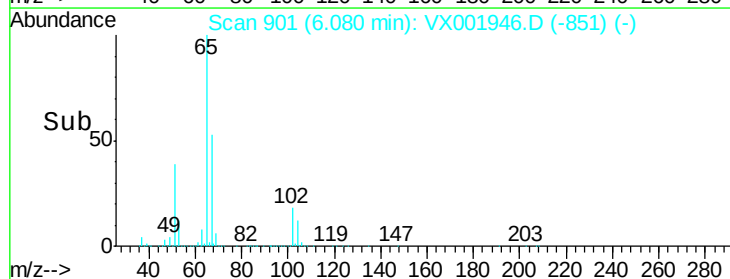
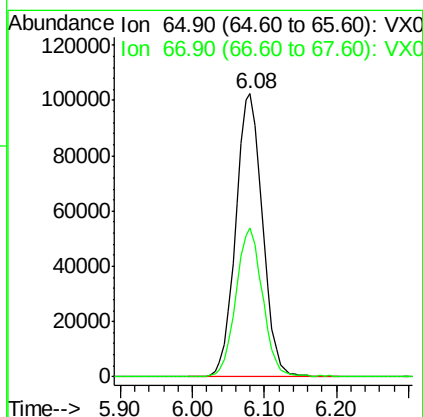
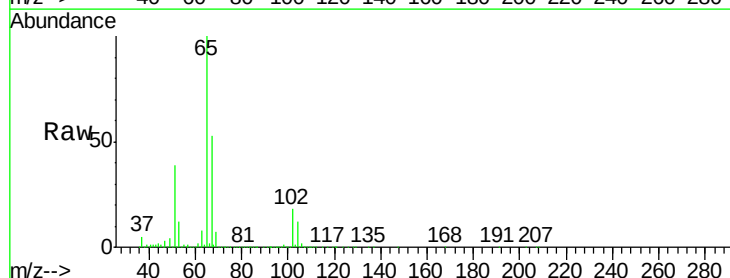
Acq: 24 May 2018 17:35

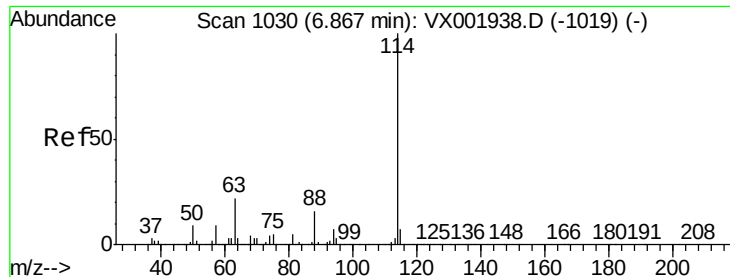
Tgt Ion: 65 Resp: 263634

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

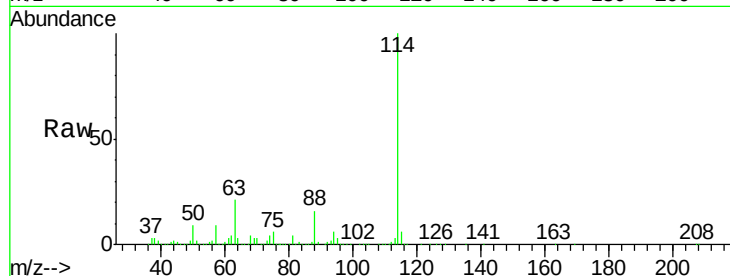
Tgt Ion:114 Resp: 525616

Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.2

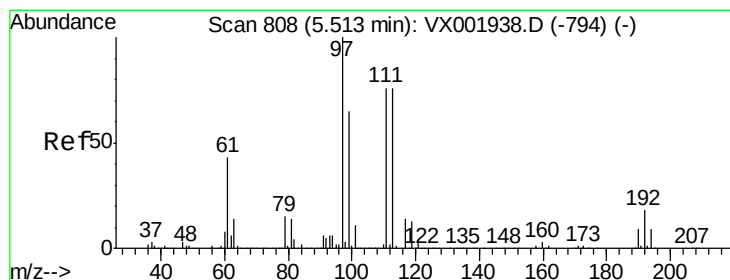
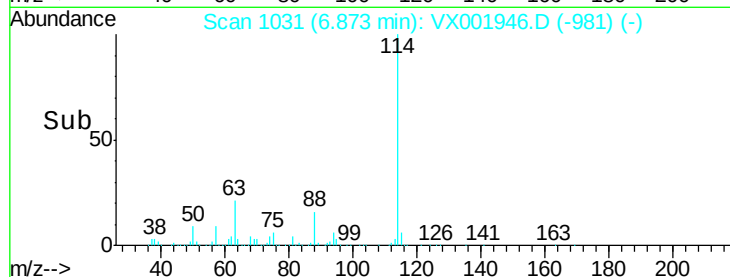
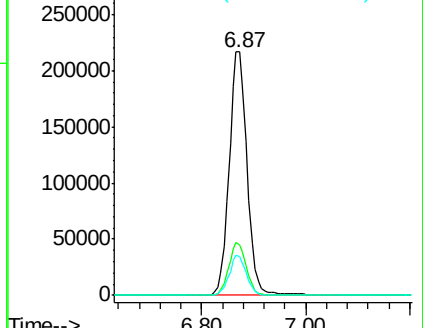
88 15.7 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 39.45 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

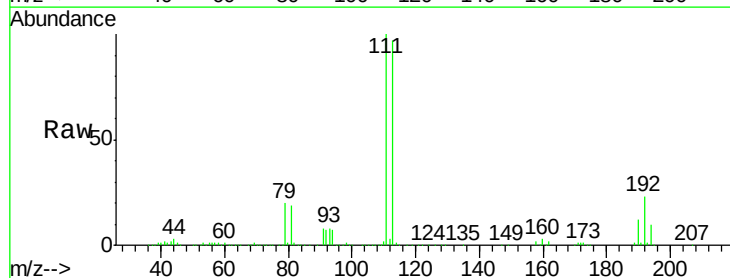
Tgt Ion:113 Resp: 207358

Ion Ratio Lower Upper

113 100

111 101.6 82.0 123.0

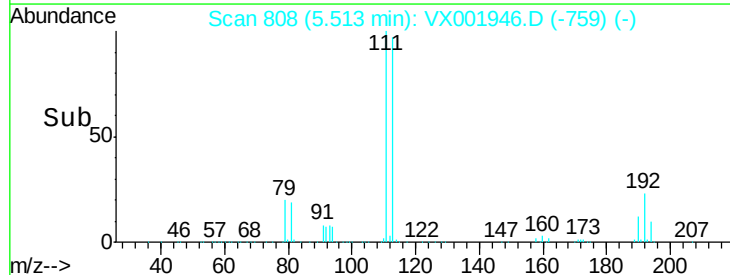
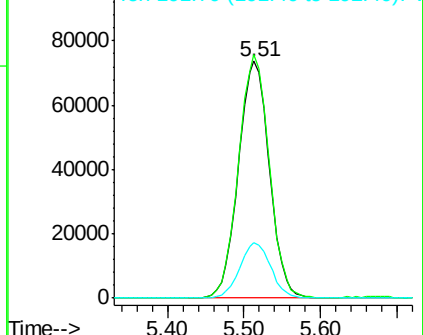
192 23.3 18.9 28.3

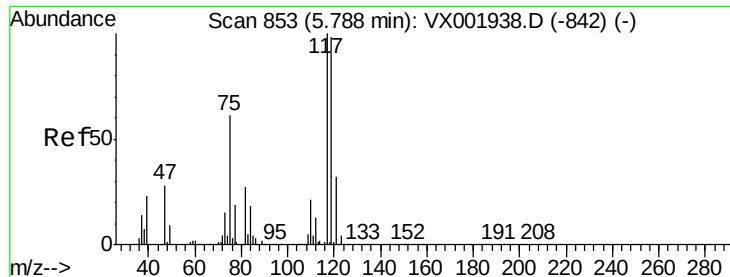


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 3.69 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

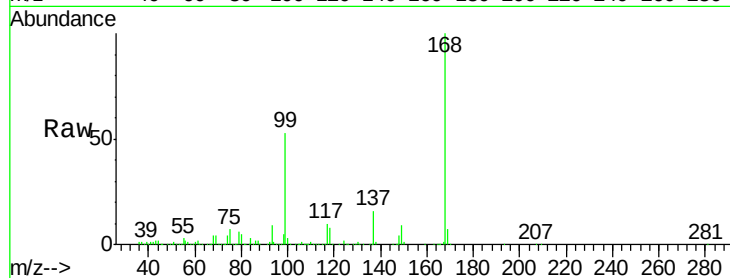
Tgt Ion:117 Resp: 31466

Ion Ratio Lower Upper

117 100

119 3.7 78.5 117.7#

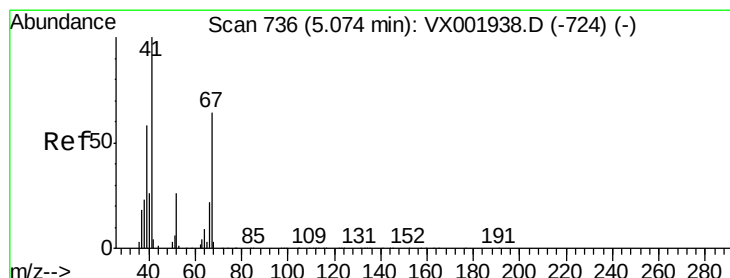
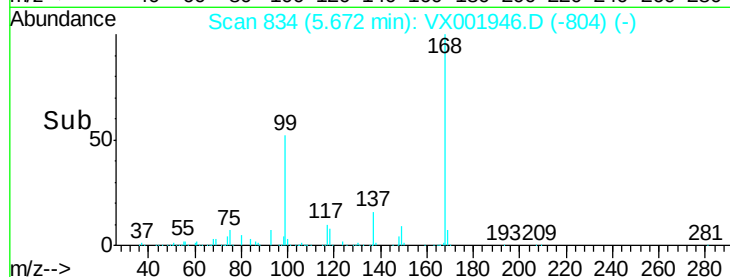
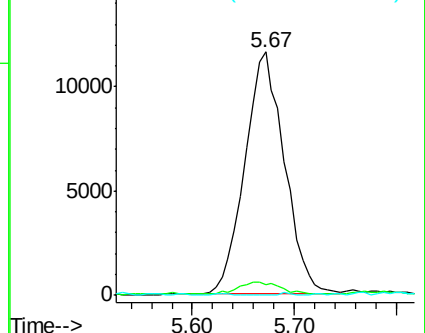
121 0.0 25.5 38.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.12 min Scan# 743

Delta R.T. 0.04 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

Tgt Ion: 41 Resp: 373

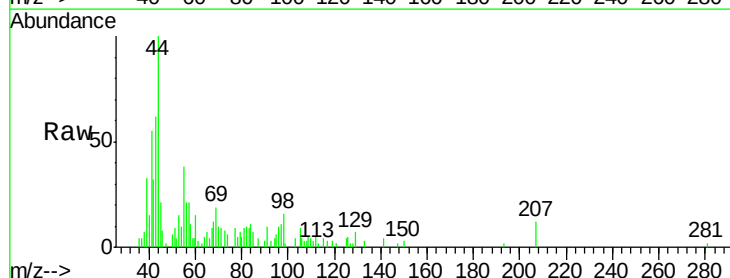
Ion Ratio Lower Upper

41 100

39 69.7 46.0 69.0#

67 0.0 50.6 75.8#

52 51.7 21.9 32.9#

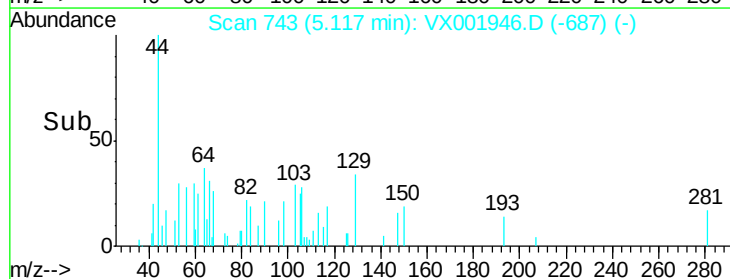
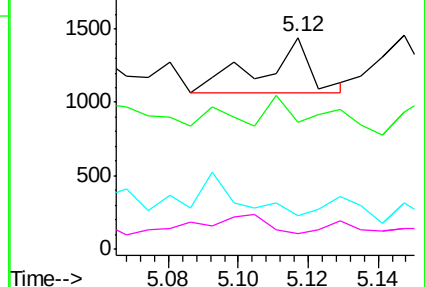


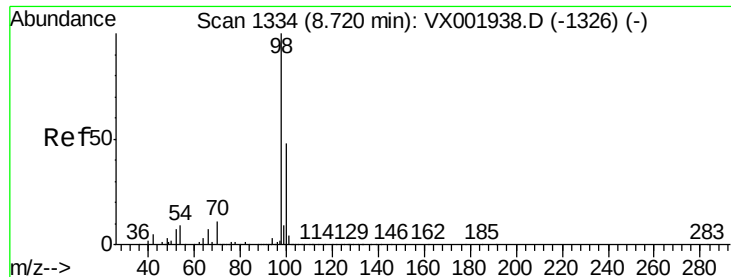
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

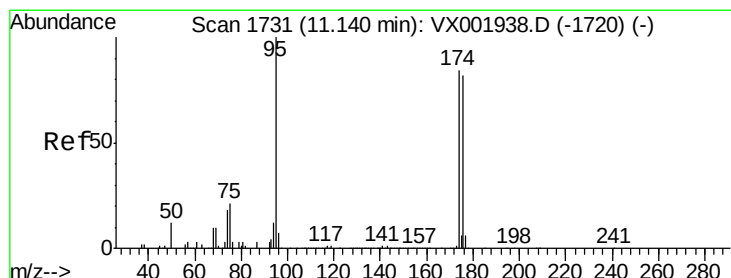
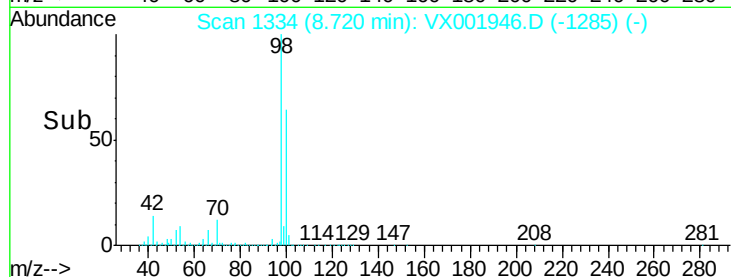
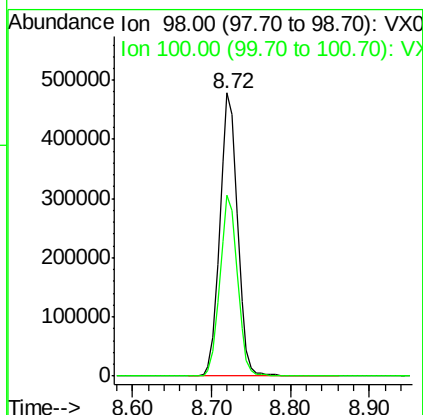
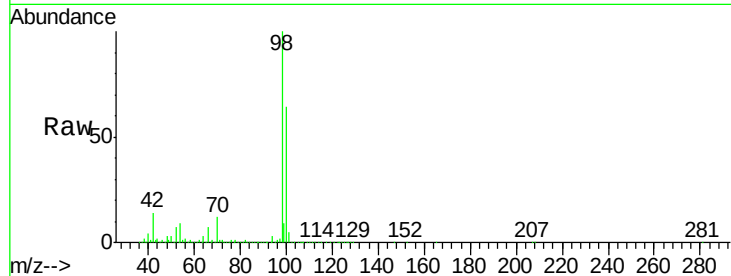




#50
Toluene-d8
Concen: 39.29 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001946.D
Acq: 24 May 2018 17:35

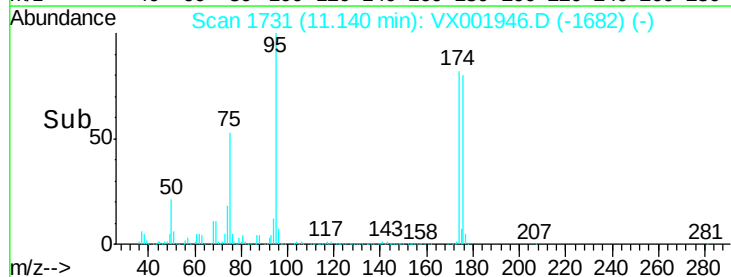
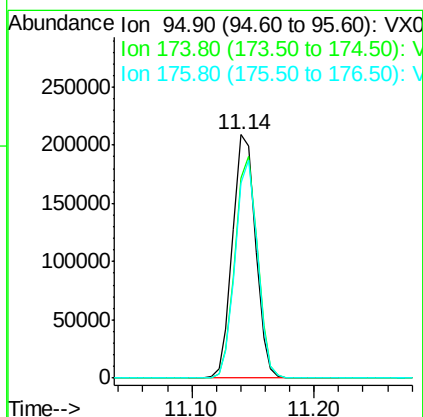
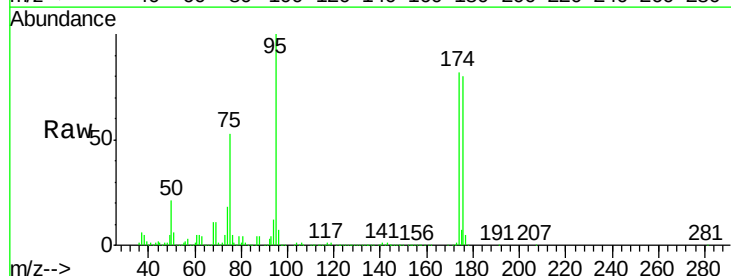
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SAMPLEMANAG

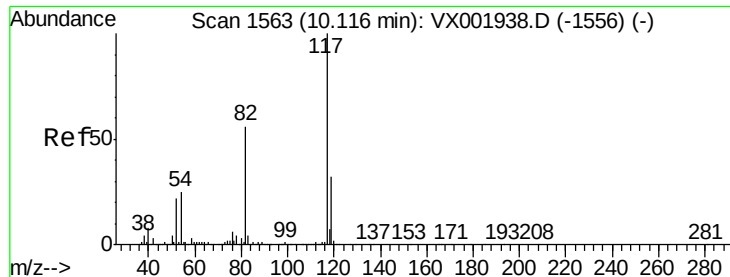
Tgt Ion: 98 Resp: 747695
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 36.33 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001946.D
Acq: 24 May 2018 17:35

Tgt Ion: 95 Resp: 270521
Ion Ratio Lower Upper
95 100
174 89.2 0.0 178.8
176 87.2 0.0 175.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

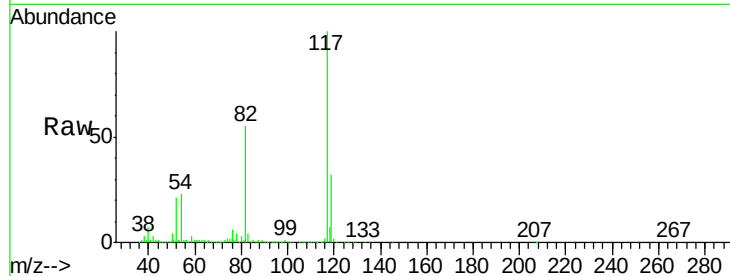
Tgt Ion:117 Resp: 470930

Ion Ratio Lower Upper

117 100

82 54.8 44.8 67.2

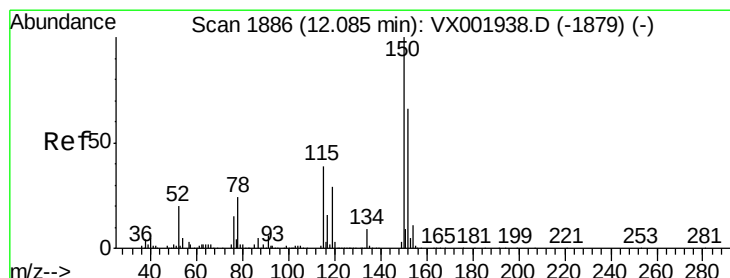
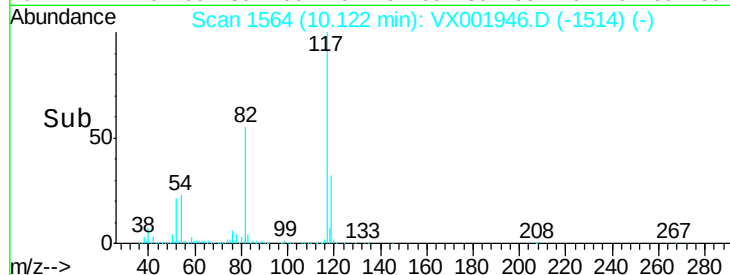
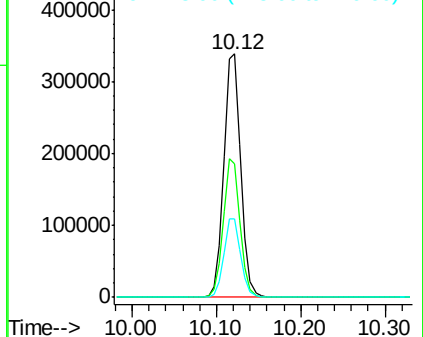
119 32.4 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

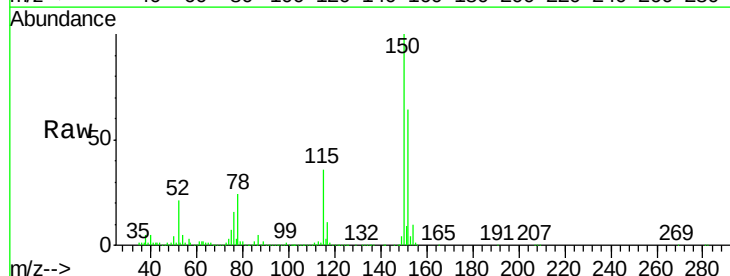
Tgt Ion:152 Resp: 245686

Ion Ratio Lower Upper

152 100

115 56.3 42.3 126.8

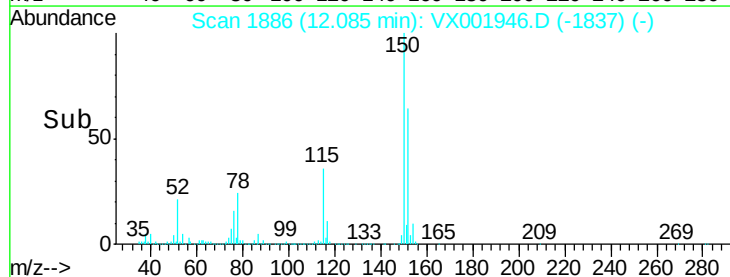
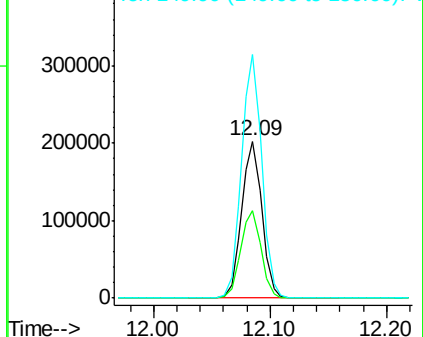
150 155.6 0.0 351.0

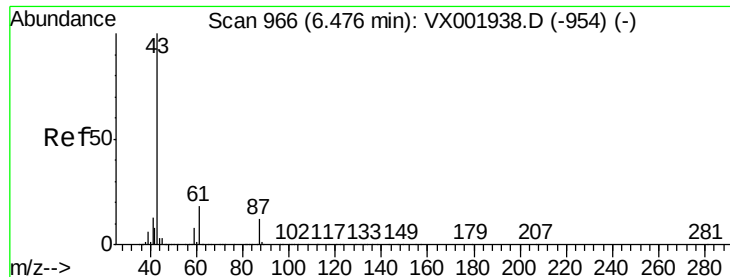


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: Below Cal

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

Tgt Ion: 43 Resp: 465

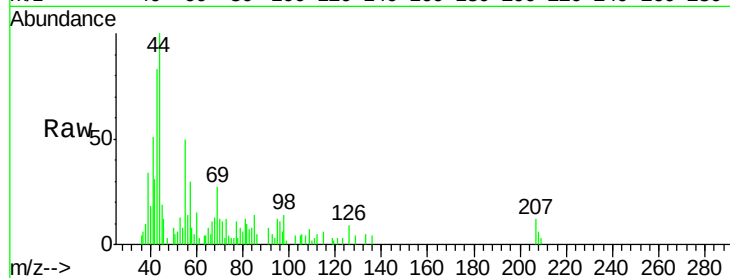
Ion Ratio Lower Upper

43 100

70 26.9 0.1 0.1#

55 30.3 0.1 0.1#

61 0.0 14.5 21.7#

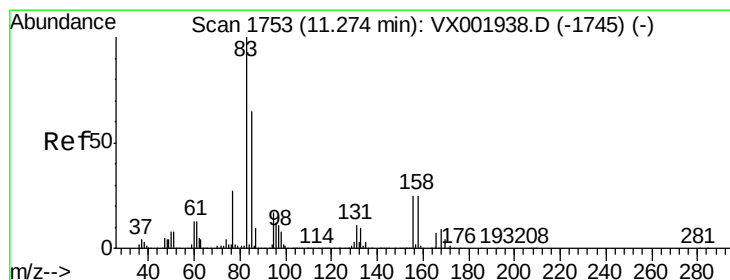
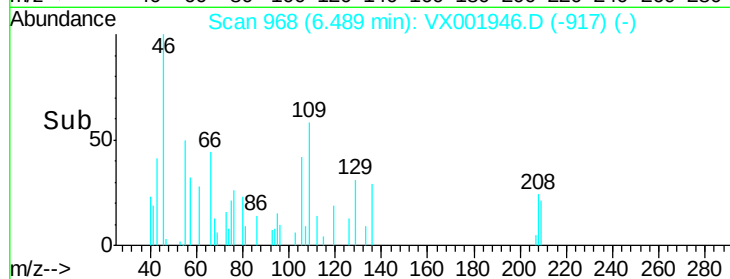
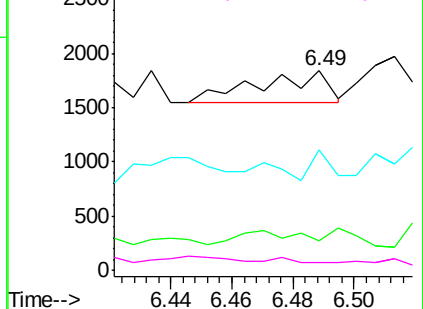


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.26 min Scan# 1751

Delta R.T. -0.01 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

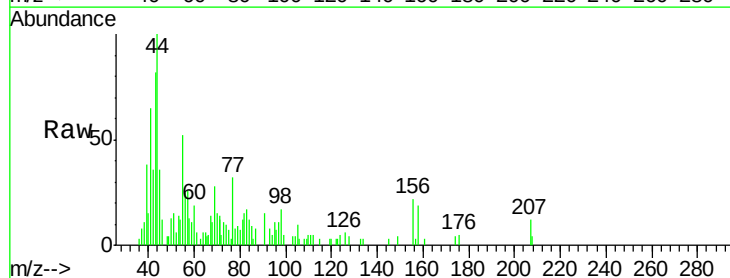
Tgt Ion: 83 Resp: 442

Ion Ratio Lower Upper

83 100

131 14.7 5.7 17.0

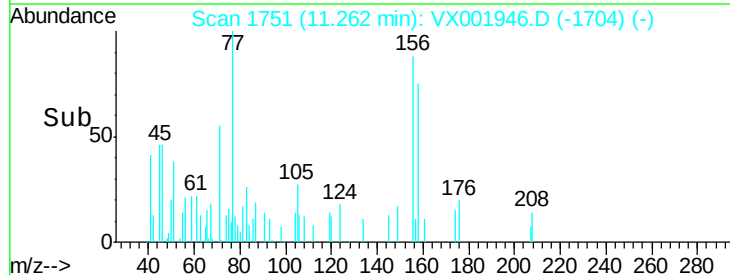
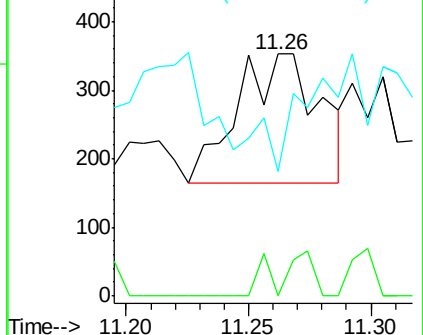
85 6.6 32.6 97.7#

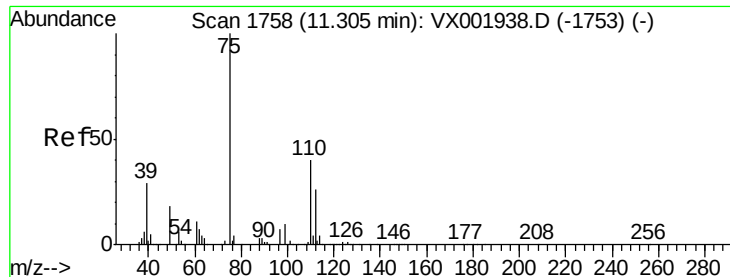


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 23.84 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

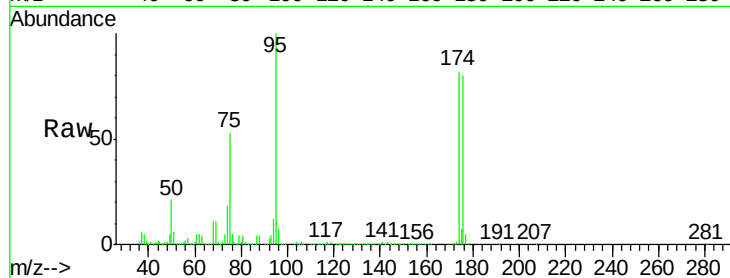
STORAGEBLANK-SAMPLEMANAG

Tgt Ion: 75 Resp: 140669

Ion Ratio Lower Upper

75 100

77 1.1 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

120000

100000

80000

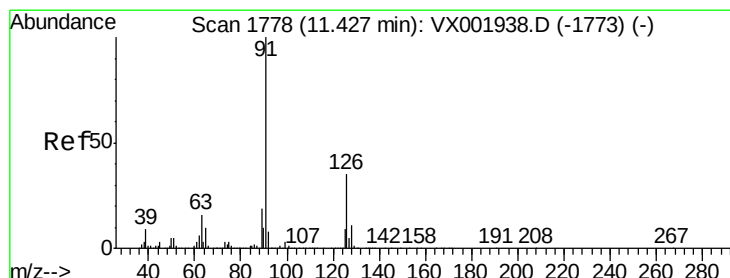
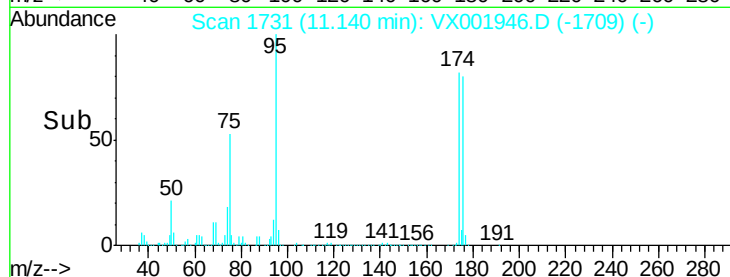
60000

40000

20000

0

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX001946.D

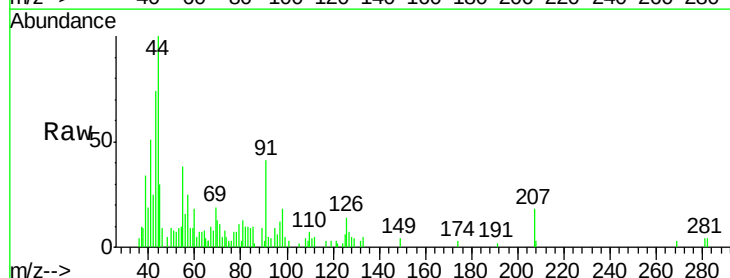
Acq: 24 May 2018 17:35

Tgt Ion: 91 Resp: 1265

Ion Ratio Lower Upper

91 100

126 45.8 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

2000

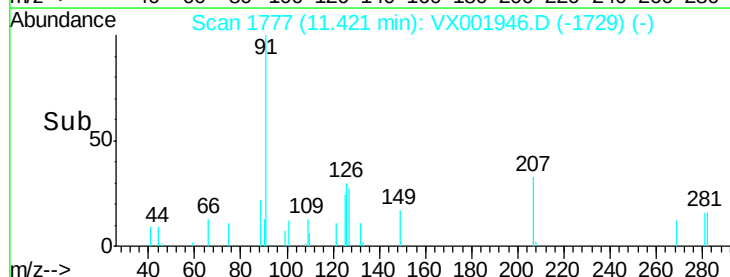
1500

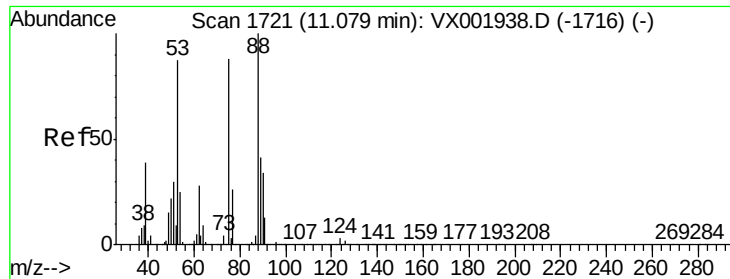
1000

500

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 57.29 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SAMPLEMANAG

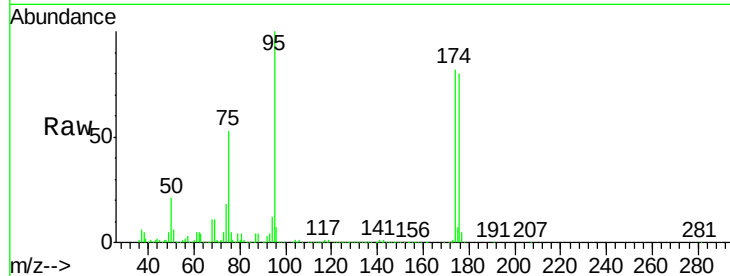
Tgt Ion: 75 Resp: 140669

Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

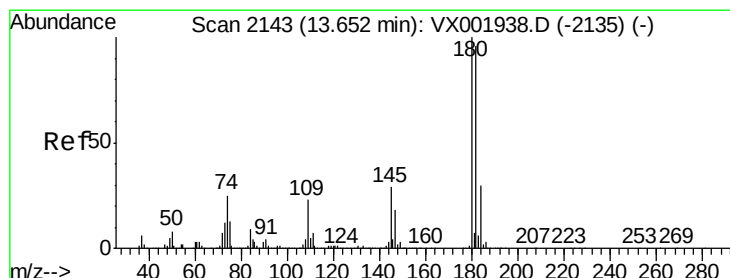
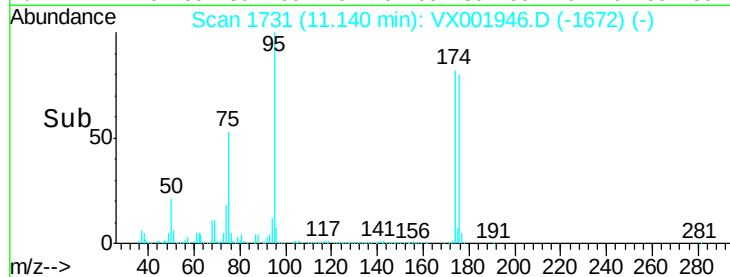
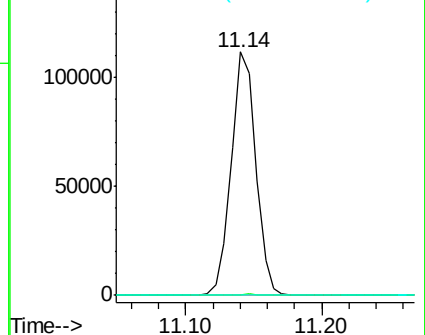
89 0.1 39.4 59.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#93

1,2,4-Trichlorobenzene

Concen: 0.22 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX001946.D

Acq: 24 May 2018 17:35

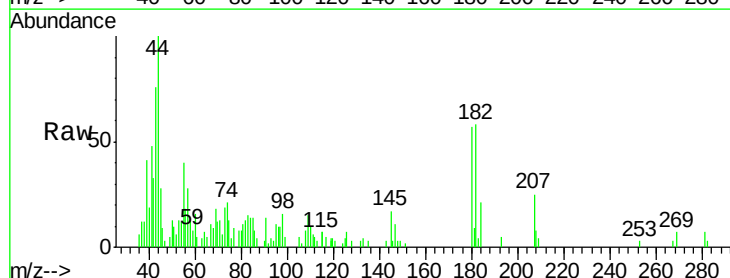
Tgt Ion: 180 Resp: 1615

Ion Ratio Lower Upper

180 100

182 90.8 47.7 143.1

145 27.0 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

