

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
 Data File : VX000113.D
 Acq On : 20 Feb 2018 17:55
 Operator : JC/MD
 Sample : VX0220WBL01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0220WBL01

Quant Time: Feb 21 06:18:33 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 06:17:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	12477	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	75103	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	68302	30.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane-d4		6.08	65	30353	31.43	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.77%	
60) 4-Bromofluorobenzene		11.15	95	32774	29.33	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.77%	
63) Toluene-d8		8.73	98	90838	31.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.50%	

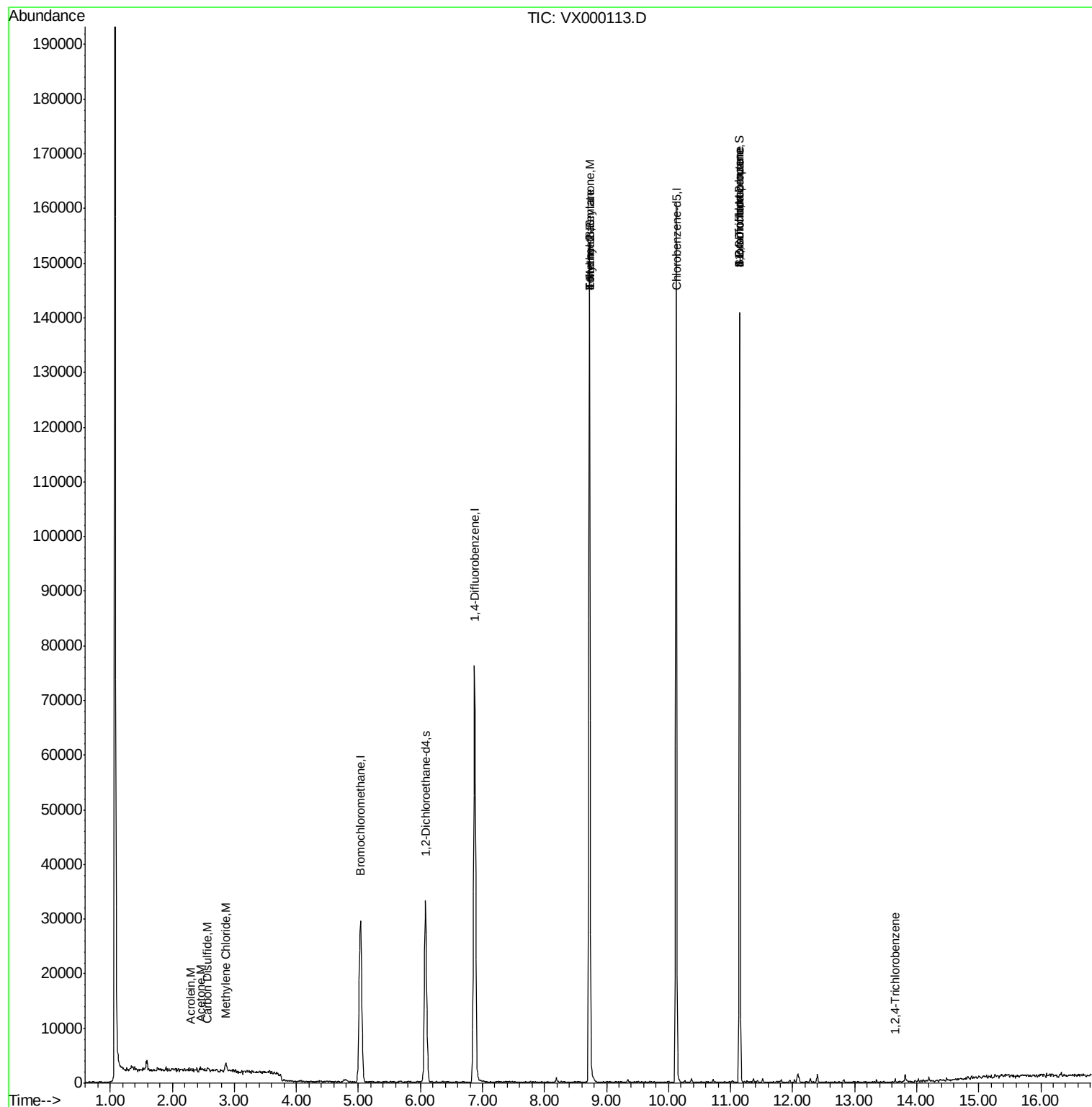
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.30	56	59	0.33	ug/l #	21
15) Acetone	2.46	58	72	0.34	ug/l #	1
16) Carbon Disulfide	2.57	76	708	0.30	ug/l #	71
18) Methylene Chloride	2.86	84	551	0.61	ug/l #	79
51) Ethyl methacrylate	8.73	69	356	0.26	ug/l #	62
56) Bromoform	11.15	173	249	0.31	ug/l #	1
58) 4-Methyl-2-Pentanone	8.72	43	474	0.32	ug/l #	1
72) 1,2,3-Trichloropropane	11.15	75	18051	14.01	ug/l	34
77) t-1,4-Dichloro-2-butene	11.15	75	18051	39.61	ug/l #	11
89) 1,2,4-Trichlorobenzene	13.66	180	317	0.21	ug/l	95

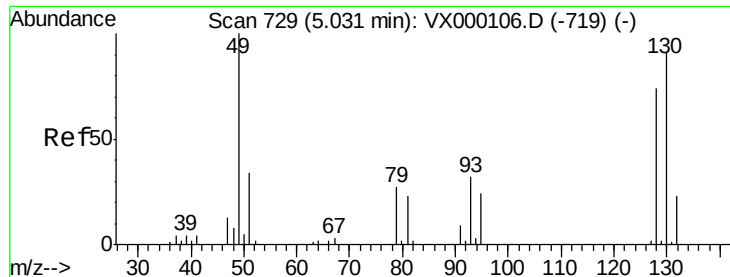
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
Data File : VX000113.D
Acq On : 20 Feb 2018 17:55
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Sample : VX0220WBL01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBL01

Quant Time: Feb 21 06:18:33 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 21 06:17:26 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: VX000113.D

Acq: 20 Feb 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0220WBL01

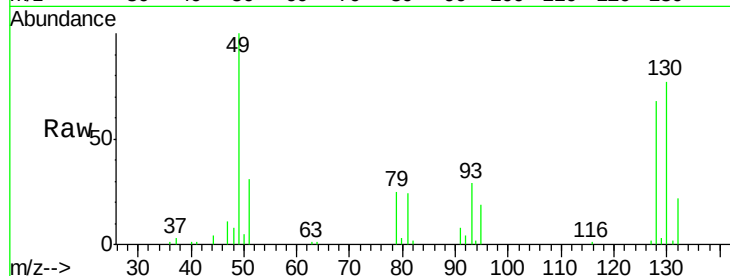
Tgt Ion:128 Resp: 12477

Ion Ratio Lower Upper

128 100

49 154.3 0.0 378.3

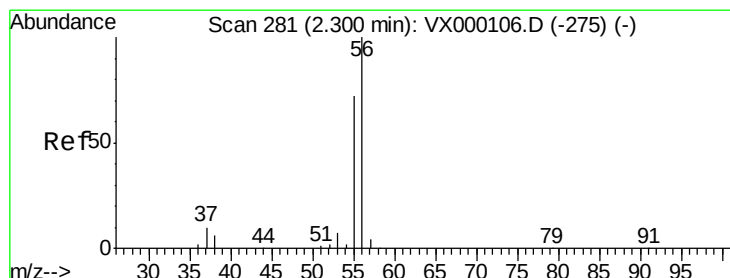
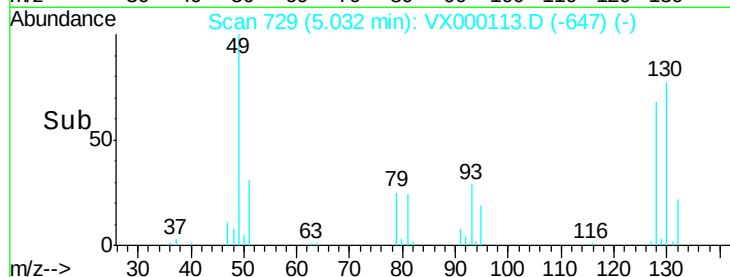
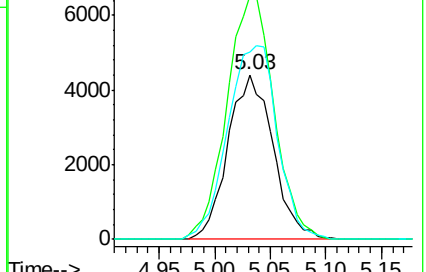
130 129.5 0.0 324.3



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



#13

Acrolein

Concen: 0.33 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000113.D

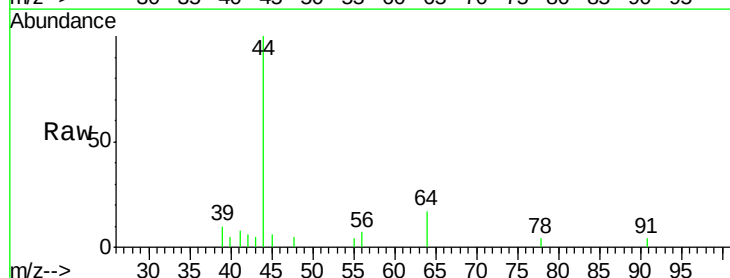
Acq: 20 Feb 2018 17:55

Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

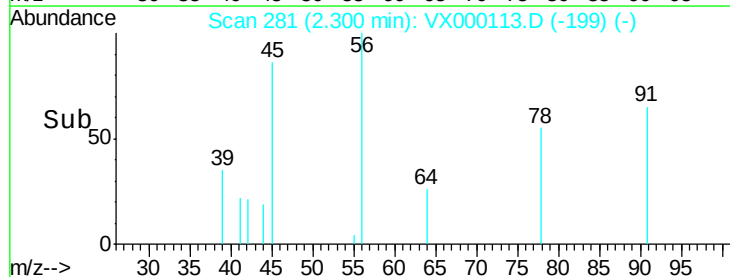
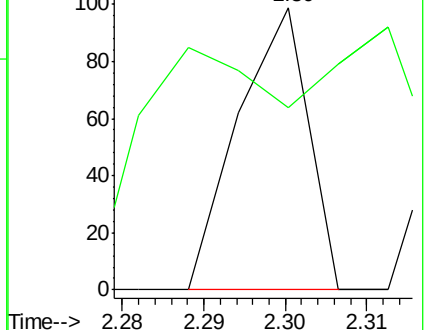
56 100

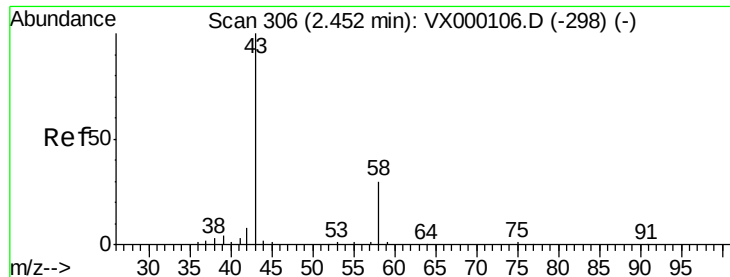
55 137.3 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acetone

Concen: 0.34 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX000113.D

Acq: 20 Feb 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

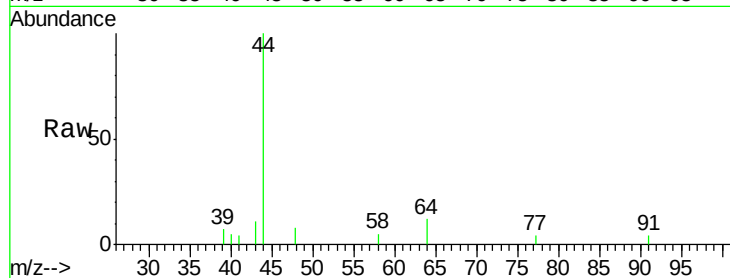
VX0220WBL01

Tgt Ion: 58 Resp: 72

Ion Ratio Lower Upper

58 100

43 73.1 264.6 396.8#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

200

150

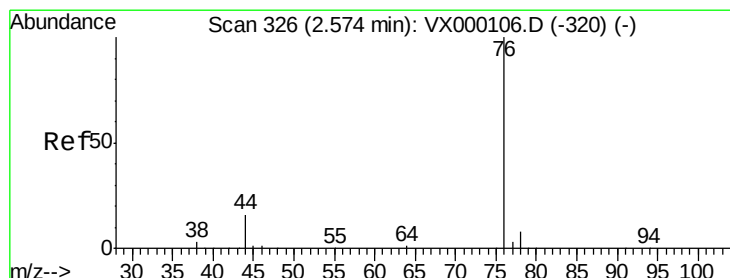
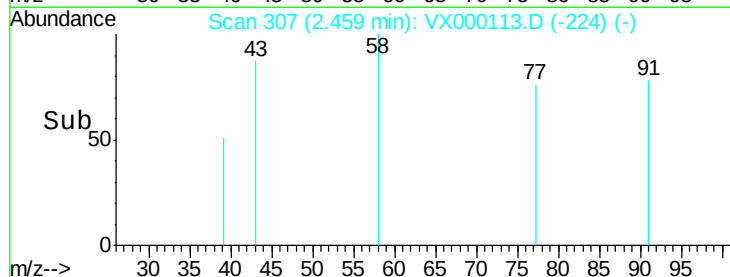
100

50

0

2.44 2.45 2.46 2.47

Time-->



#16

Carbon Disulfide

Concen: 0.30 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX000113.D

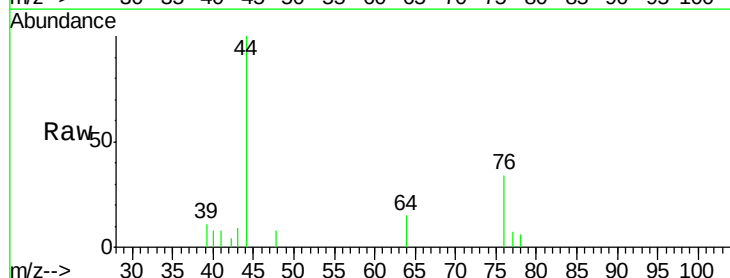
Acq: 20 Feb 2018 17:55

Tgt Ion: 76 Resp: 708

Ion Ratio Lower Upper

76 100

78 18.7 6.8 10.2#



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

500

400

300

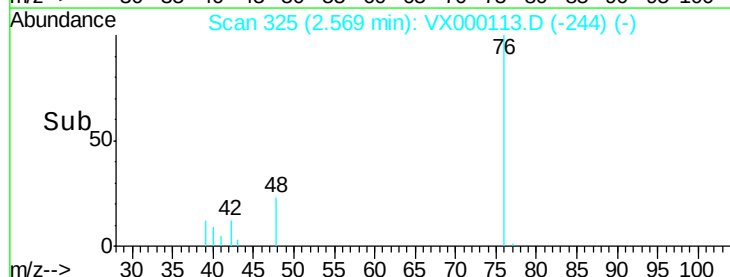
200

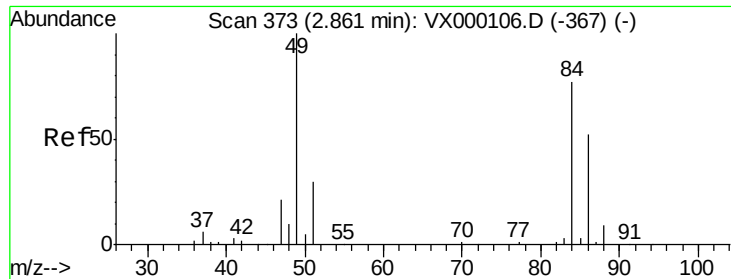
100

0

2.55 2.56 2.57 2.58 2.59 2.60

Time-->

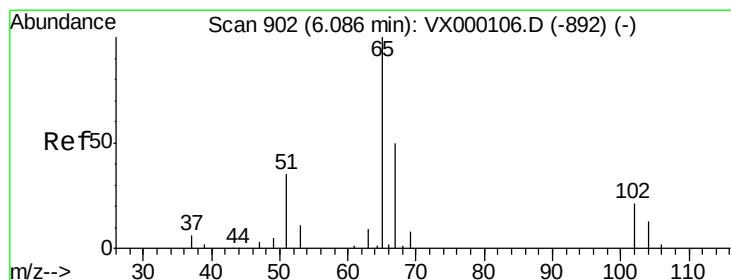
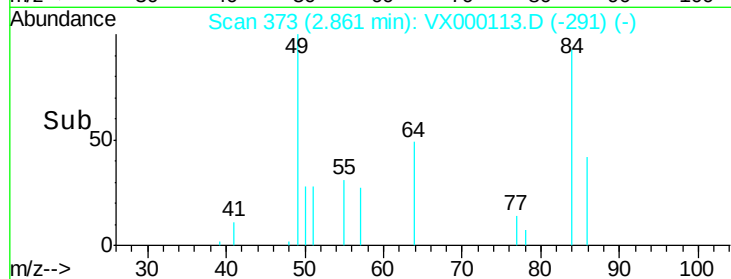
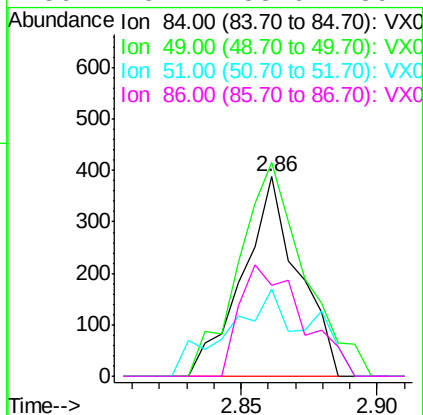
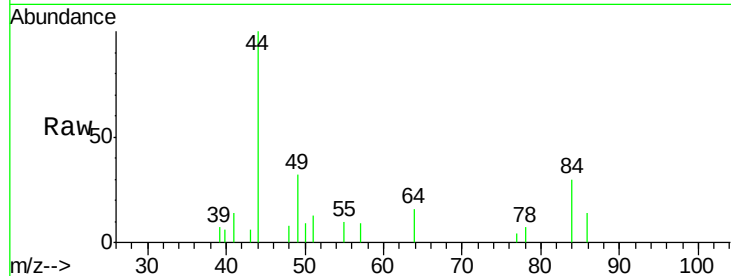




#18
Methylene Chloride
Concen: 0.61 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000113.D
Acq: 20 Feb 2018 17:55

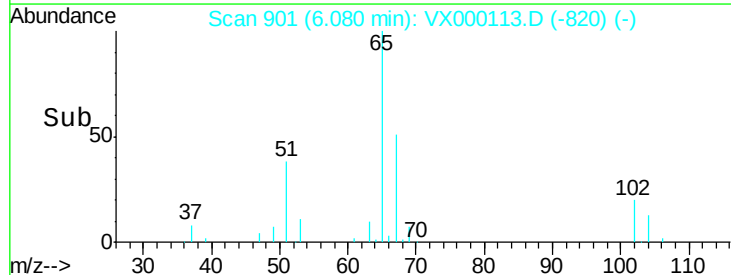
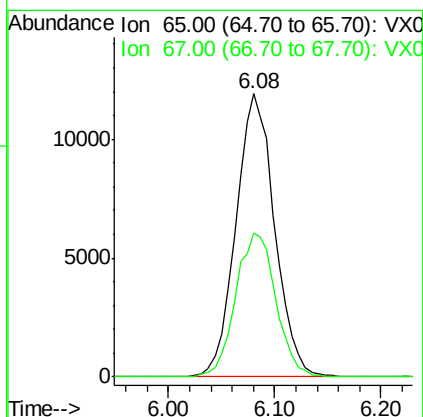
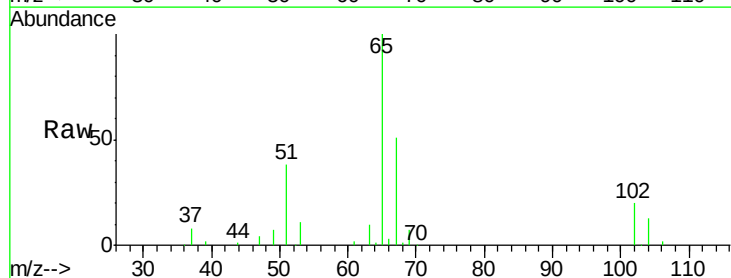
Instrument :
MSVOA_X
ClientSampleId :
VX0220WBL01

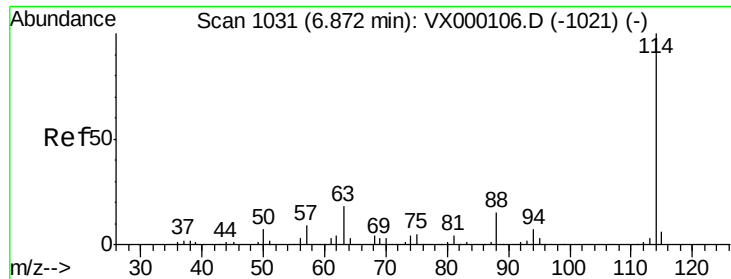
Tgt Ion: 84 Resp: 551
Ion Ratio Lower Upper
84 100
49 107.0 103.3 154.9
51 28.9 31.2 46.8#
86 45.4 53.6 80.4#



#27
1,2-Dichloroethane-d4
Concen: 31.43 ug/l
RT: 6.08 min Scan# 901
Delta R.T. -0.01 min
Lab File: VX000113.D
Acq: 20 Feb 2018 17:55

Tgt Ion: 65 Resp: 30353
Ion Ratio Lower Upper
65 100
67 52.6 41.4 62.2

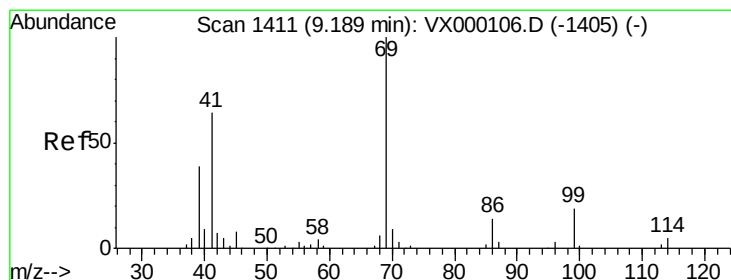
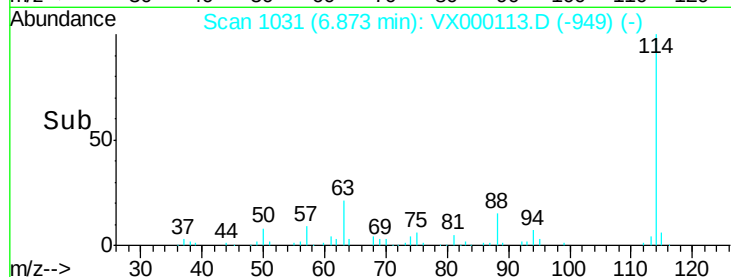
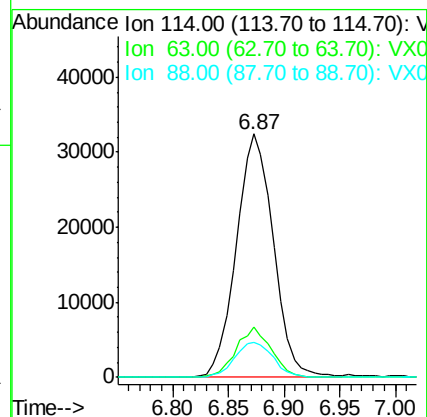
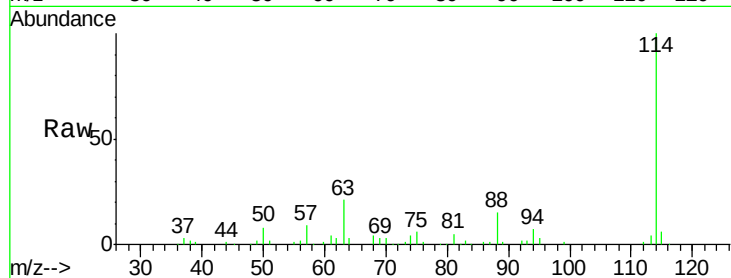




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000113.D
 Acq: 20 Feb 2018 17:55

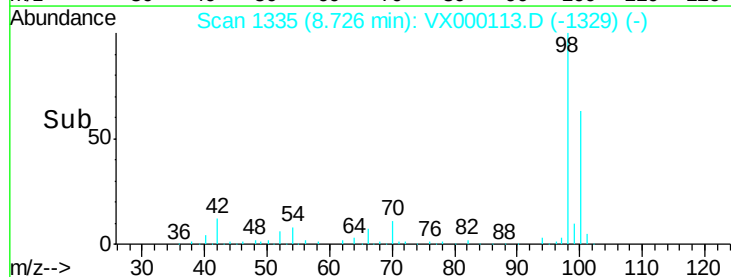
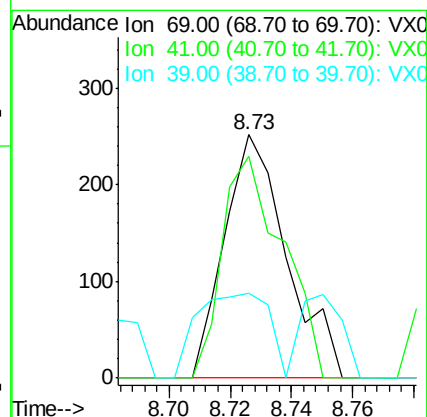
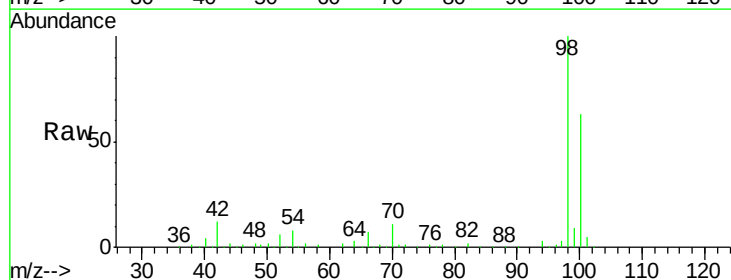
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0220WBL01

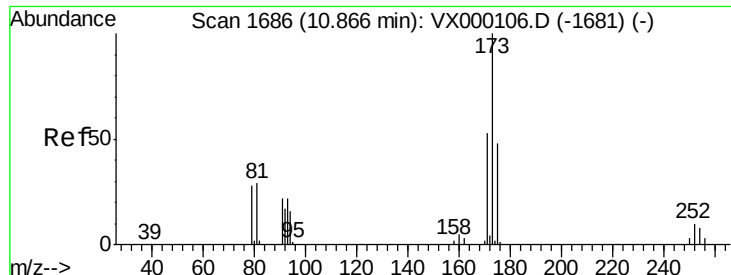
Tgt Ion: 114 Resp: 75103
 Ion Ratio Lower Upper
 114 100
 63 19.6 15.0 22.4
 88 14.8 11.8 17.8



#51
 Ethyl methacrylate
 Concen: 0.26 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. -0.46 min
 Lab File: VX000113.D
 Acq: 20 Feb 2018 17:55

Tgt Ion: 69 Resp: 356
 Ion Ratio Lower Upper
 69 100
 41 90.9 32.1 96.3
 39 11.1 19.6 58.7#





#56

Bromoform

Concen: 0.31 ug/l

RT: 11.15 min Scan# 1733

Delta R.T. 0.29 min

Lab File: VX000113.D

Acq: 20 Feb 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

VX0220WBL01

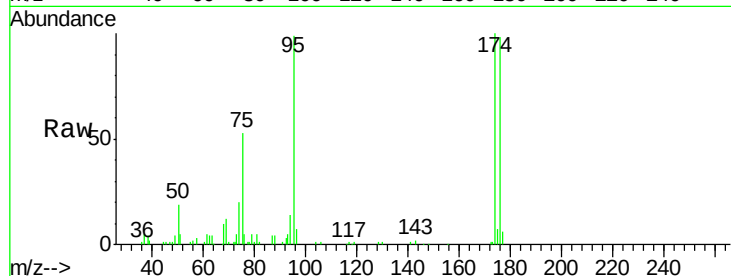
Tgt Ion:173 Resp: 249

Ion Ratio Lower Upper

173 100

175 894.8 39.0 58.4#

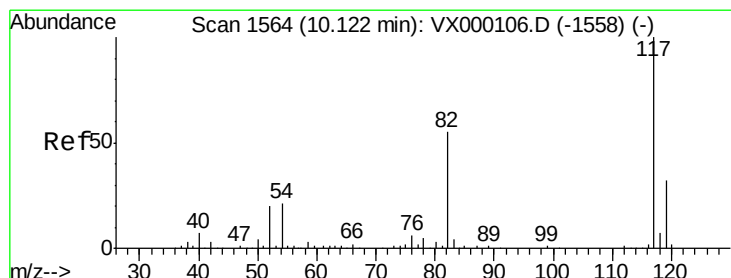
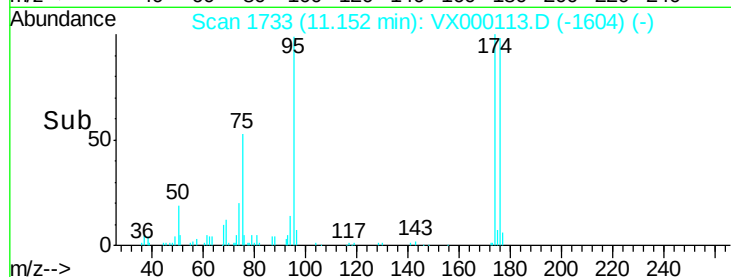
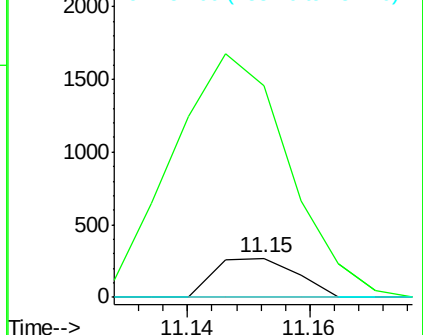
254 0.0 7.0 10.4#



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



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000113.D

Acq: 20 Feb 2018 17:55

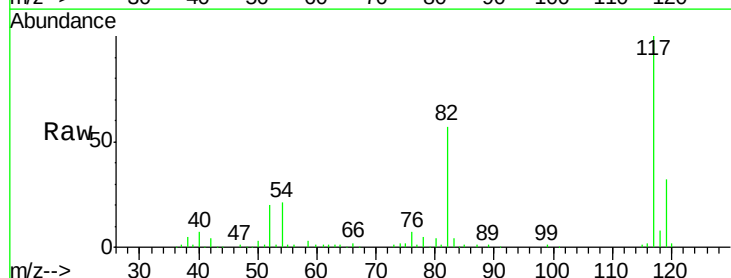
Tgt Ion:117 Resp: 68302

Ion Ratio Lower Upper

117 100

82 54.8 43.0 64.4

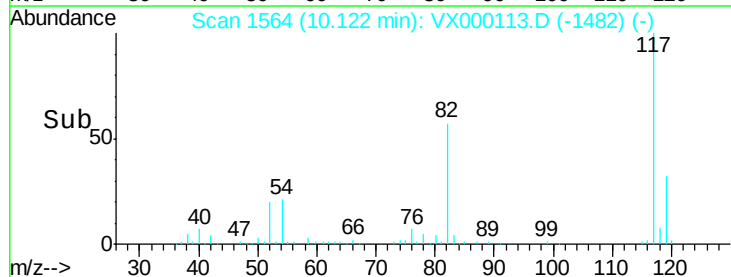
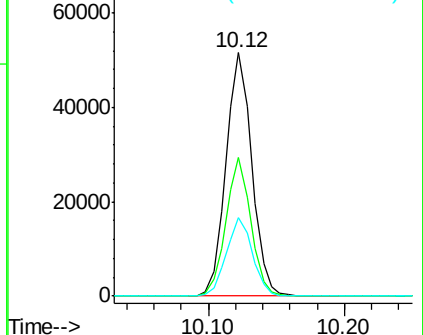
119 32.4 25.8 38.8

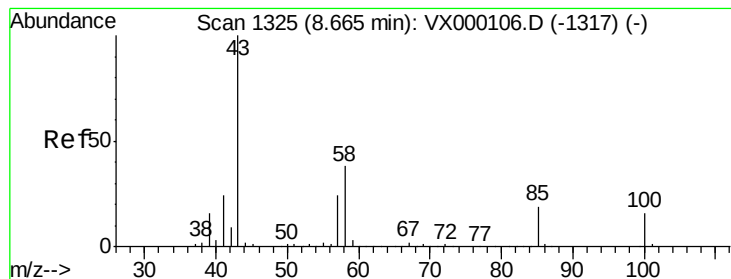


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V





#58

4-Methyl-2-Pentanone

Concen: 0.32 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX000113.D

Acq: 20 Feb 2018 17:55

Instrument :

MSVOA_X

ClientSampled :

VX0220WBL01

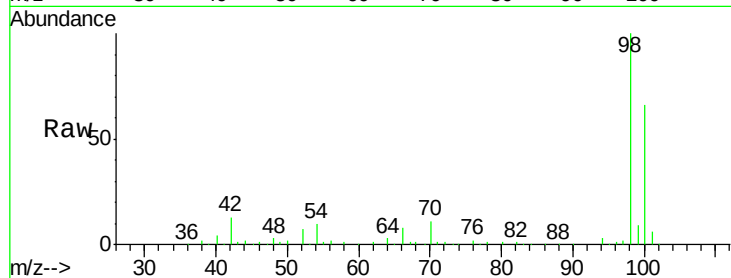
Tgt Ion: 43 Resp: 474

Ion Ratio Lower Upper

43 100

58 129.7 29.8 44.8#

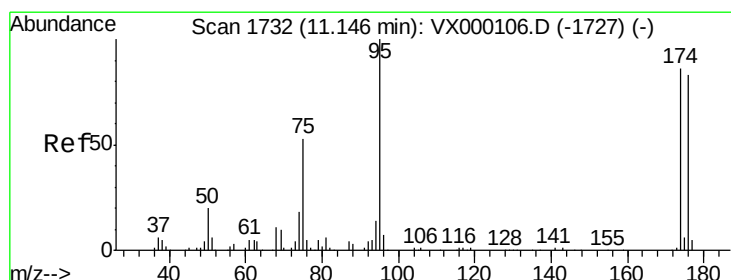
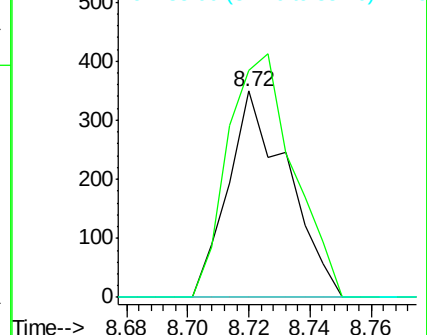
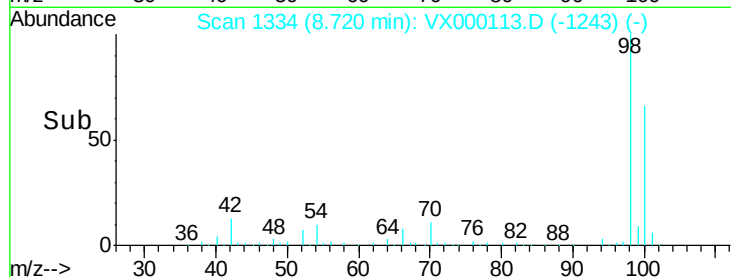
85 0.0 14.9 22.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#60

4-Bromofluorobenzene

Concen: 29.33 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000113.D

Acq: 20 Feb 2018 17:55

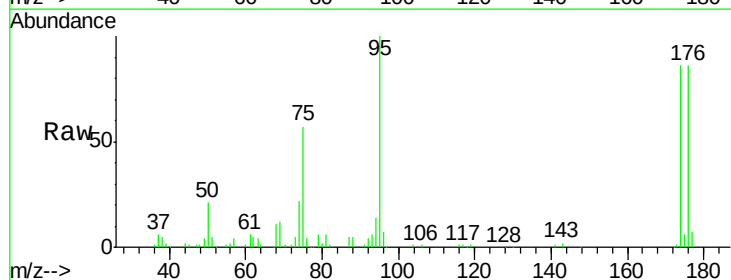
Tgt Ion: 95 Resp: 32774

Ion Ratio Lower Upper

95 100

174 88.0 71.1 106.7

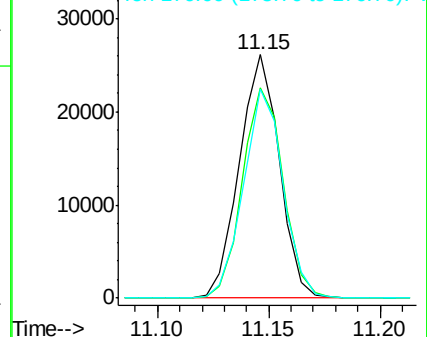
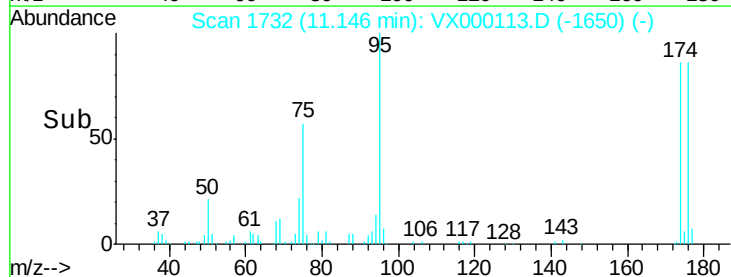
176 84.9 69.3 103.9

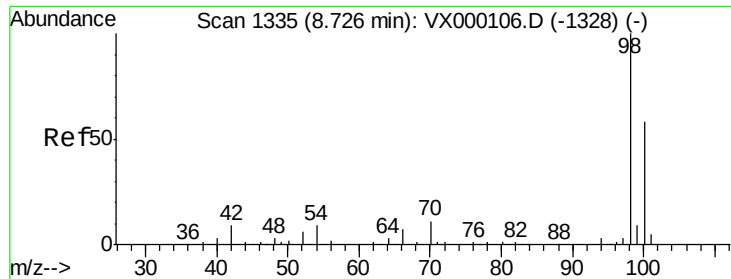


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

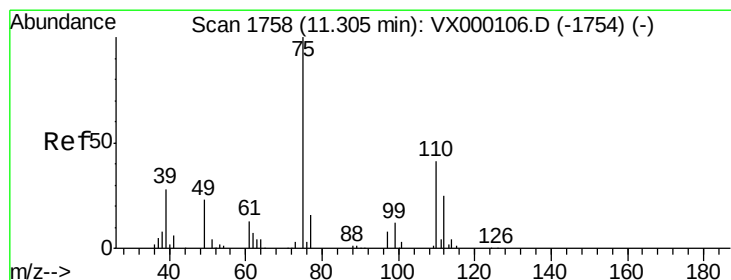
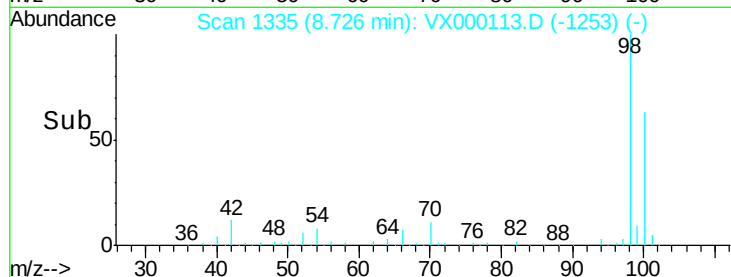
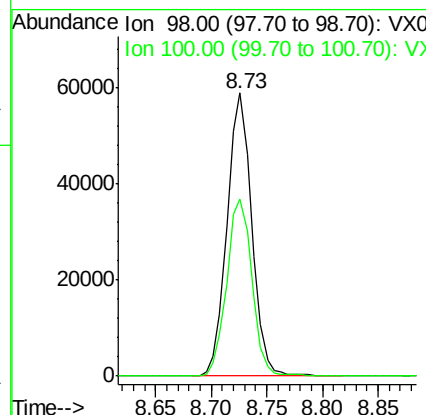
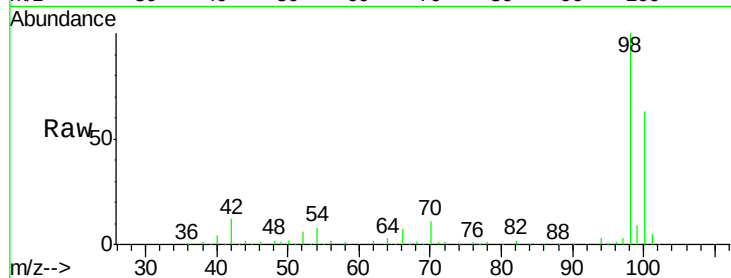




#63
Toluene-d8
Concen: 31.05 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000113.D
Acq: 20 Feb 2018 17:55

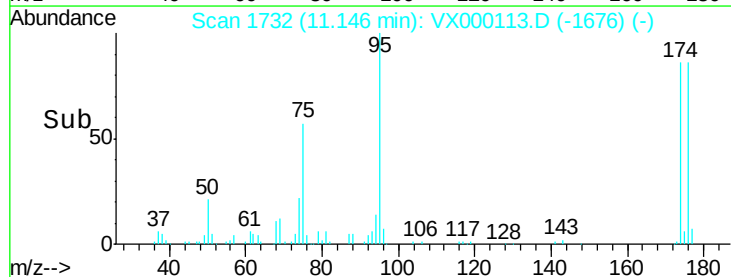
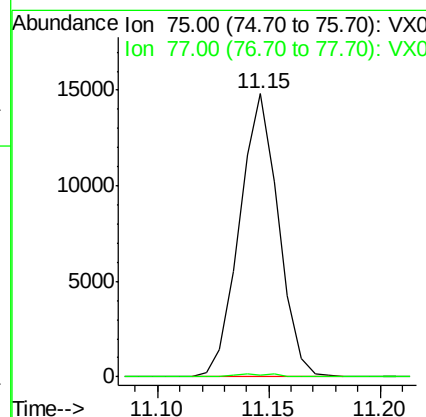
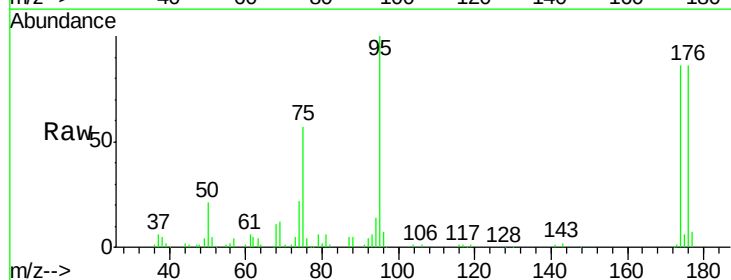
Instrument :
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VX0220WBL01

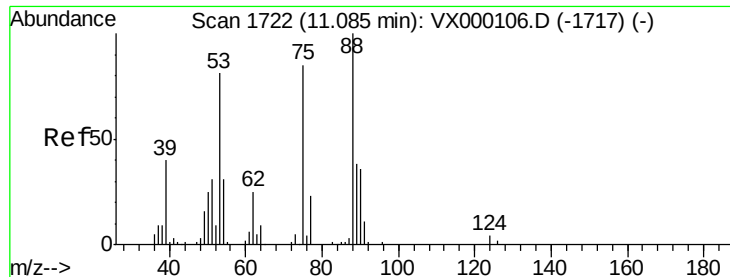
Tgt Ion: 98 Resp: 90838
Ion Ratio Lower Upper
98 100
100 63.8 50.0 75.0



#72
1,2,3-Trichloropropane
Concen: 14.01 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.16 min
Lab File: VX000113.D
Acq: 20 Feb 2018 17:55

Tgt Ion: 75 Resp: 18051
Ion Ratio Lower Upper
75 100
77 1.0 0.0 85.8

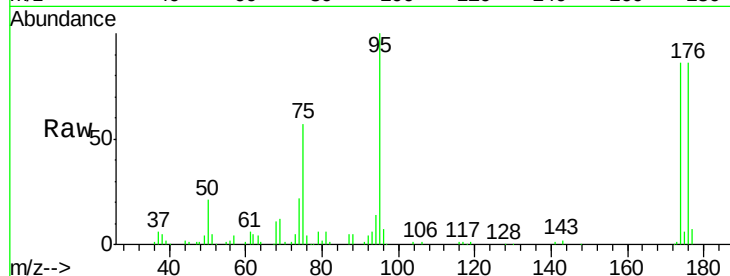




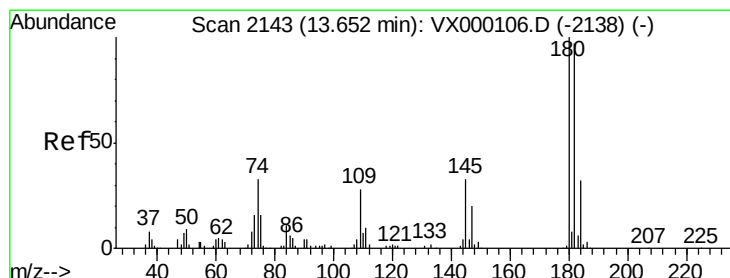
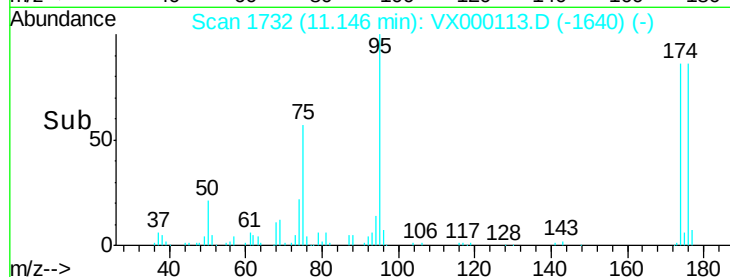
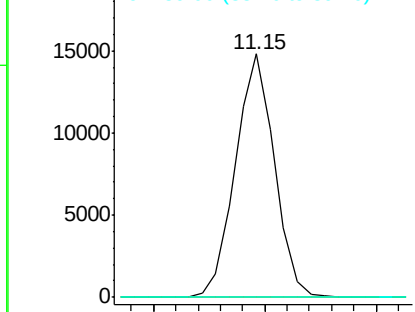
#77
t-1,4-Dichloro-2-butene
Concen: 39.61 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.06 min
Lab File: VX000113.D
Acq: 20 Feb 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :
VX0220WBL01

Tgt Ion: 75 Resp: 18051
Ion Ratio Lower Upper
75 100
53 0.0 47.8 143.3#
89 0.0 22.3 66.8#

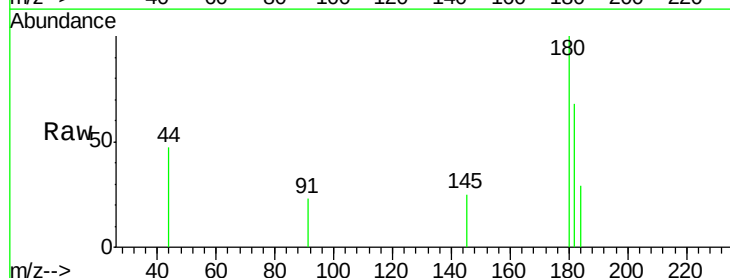


Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#89
1,2,4-Trichlorobenzene
Concen: 0.21 ug/l
RT: 13.66 min Scan# 2144
Delta R.T. 0.01 min
Lab File: VX000113.D
Acq: 20 Feb 2018 17:55

Tgt Ion: 180 Resp: 317
Ion Ratio Lower Upper
180 100
182 99.4 76.3 114.5
145 27.1 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

