

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032219\
 Data File : VX008341.D
 Acq On : 22 Mar 2019 16:13
 Operator : JC/SP
 Sample : K2039-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-5

Quant Time: Mar 23 01:34:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 15:33:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	29932	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	154226	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	134239	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	62146	30.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.27%
60) 4-Bromofluorobenzene	11.13	95	59619	27.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.93%
63) Toluene-d8	8.71	98	177808	29.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.00%

Target Compounds

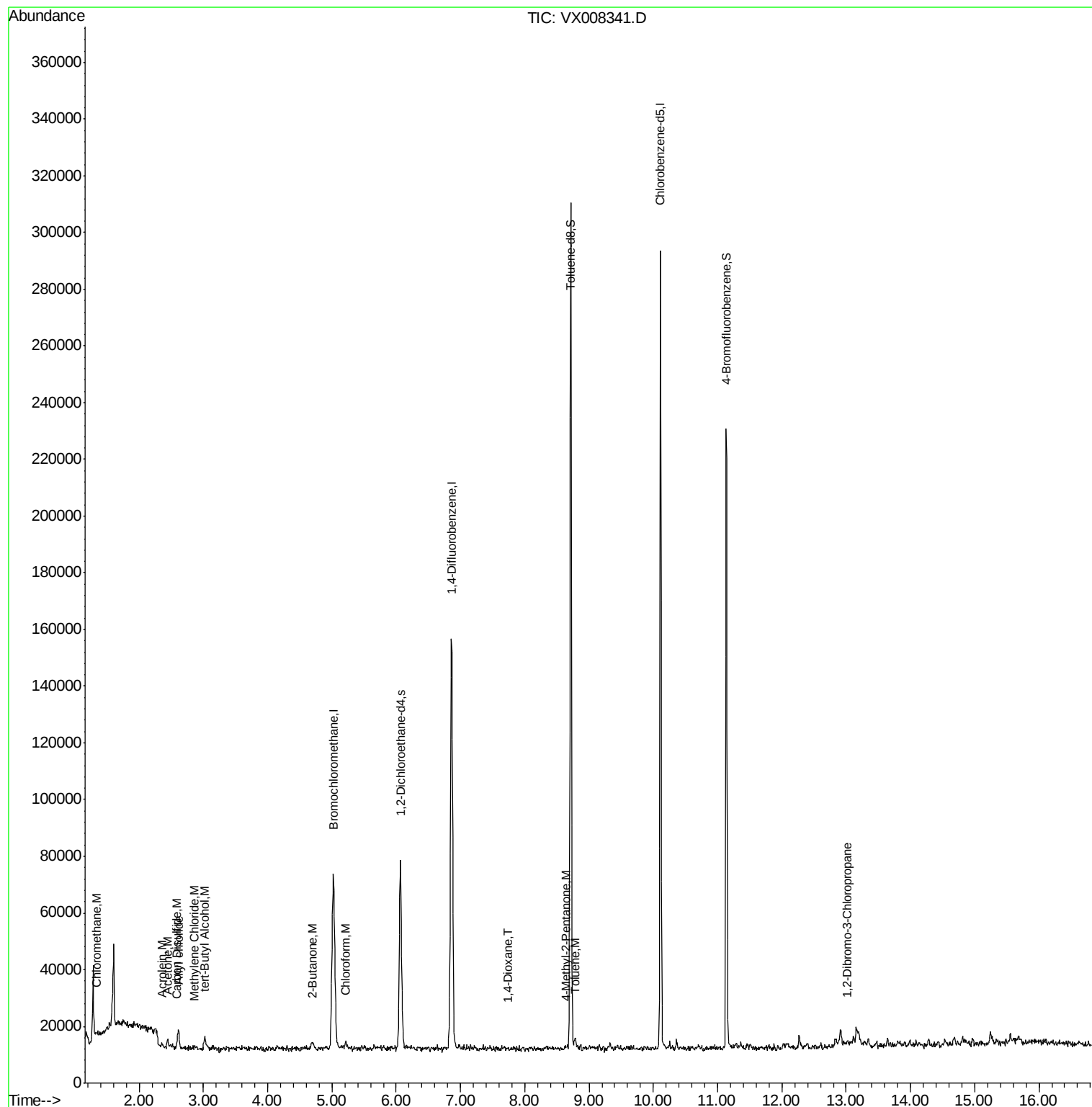
					Ovalue
3) Chloromethane	1.34	50	377	0.230 ug/l	97
13) Acrolein	2.35	56	171	0.622 ug/l	83
15) Acetone	2.44	58	1223	3.581 ug/l #	67
16) Carbon Disulfide	2.58	76	1139	0.255 ug/l #	94
17) Allyl chloride	2.60	41	688	0.290 ug/l	77
18) Methylene Chloride	2.86	84	478	0.276 ug/l #	73
23) tert-Butyl Alcohol	3.02	59	1407	3.979 ug/l #	97
25) Chloroform	5.21	83	1550	0.499 ug/l	94
30) 2-Butanone	4.70	43	376	0.298 ug/l #	1
45) 1,4-Dioxane	7.75	88	71	1.611 ug/l #	1
58) 4-Methyl-2-Pentanone	8.65	43	763	0.338 ug/l #	88
62) Toluene	8.79	91	2112	0.296 ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	202	0.334 ug/l #	1

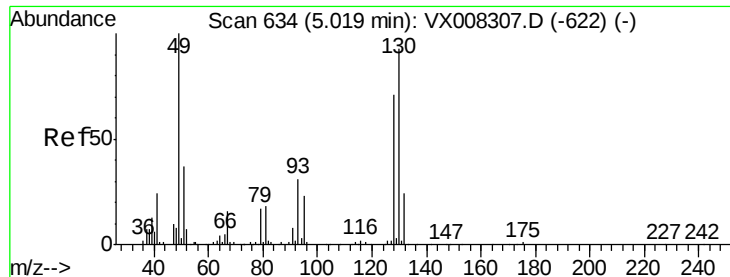
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032219\
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ClientSampleId :
55-ST-5

Quant Time: Mar 23 01:34:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 22 15:33:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008341.D

Acq: 22 Mar 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

55-ST-5

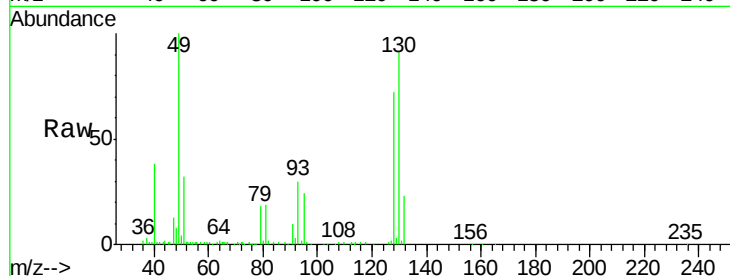
Tot Ion:128 Resp: 29932

Ion Ratio Lower Upper

128 100

49 136.3 0.0 350.8

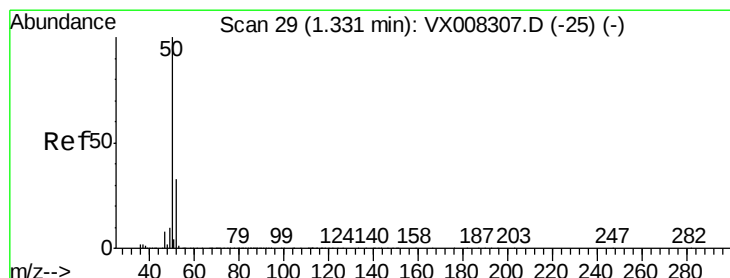
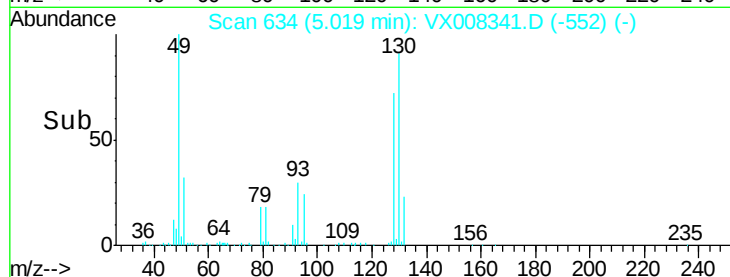
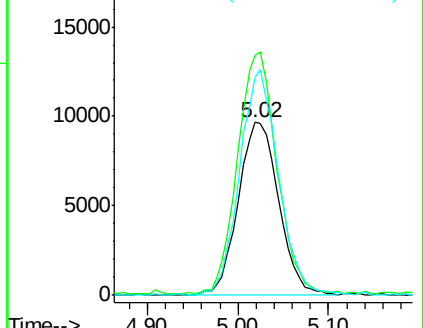
130 125.0 0.0 325.8



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: 0.230 ug/l

RT: 1.34 min Scan# 31

Delta R.T. 0.01 min

Lab File: VX008341.D

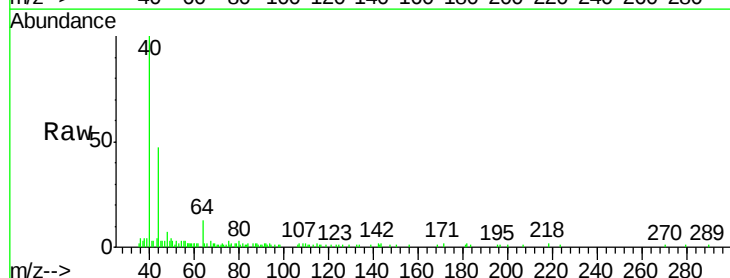
Acq: 22 Mar 2019 16:13

Tgt Ion: 50 Resp: 377

Ion Ratio Lower Upper

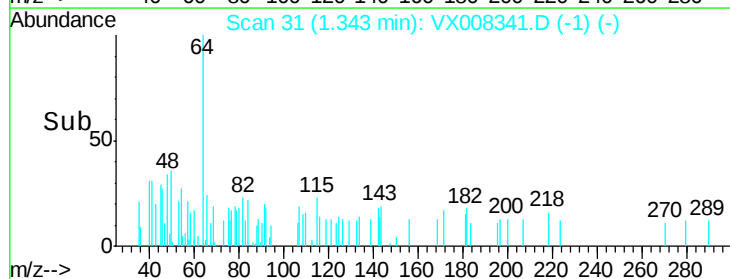
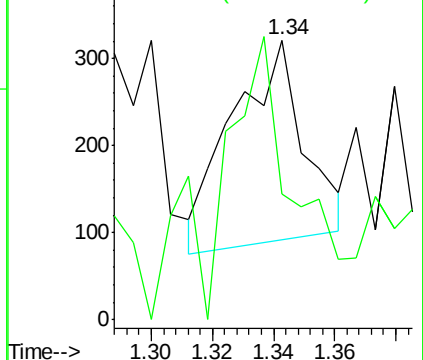
50 100

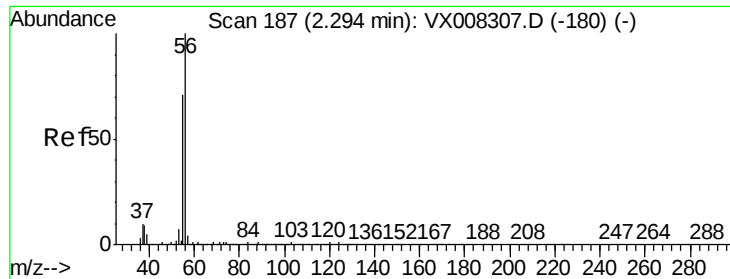
52 36.4 27.5 41.3



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#13

Acrolein

Concen: 0.622 ug/l

RT: 2.35 min Scan# 196

Delta R.T. 0.05 min

Lab File: VX008341.D

Acq: 22 Mar 2019 16:13

Instrument :

MSVOA_X

ClientSampled :

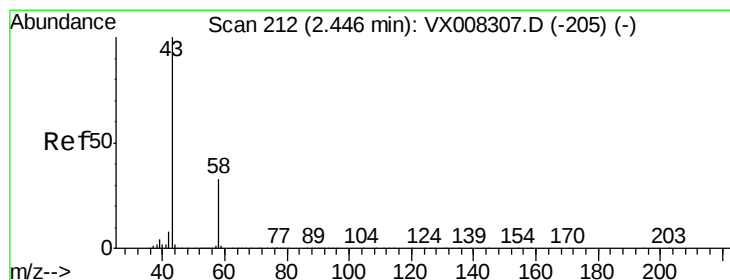
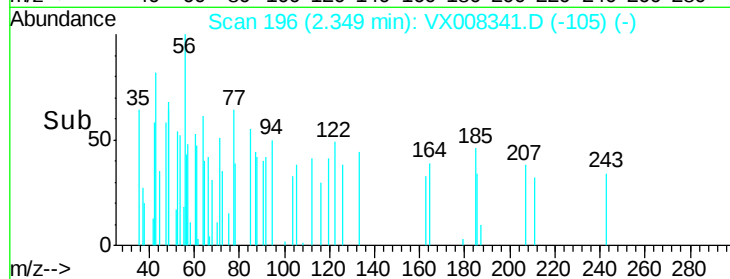
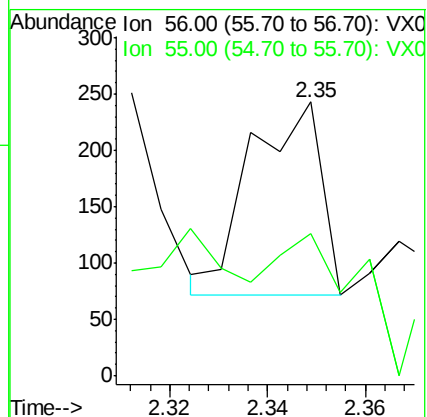
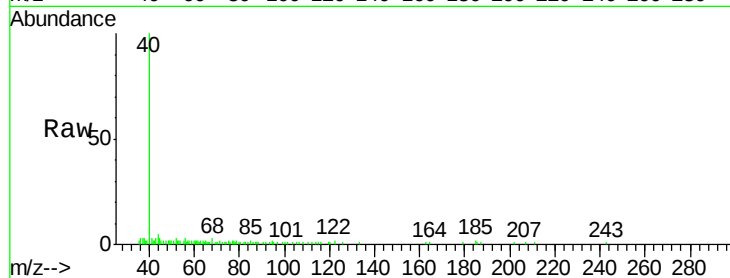
55-ST-5

Tot Ion: 56 Resp: 171

Ion Ratio Lower Upper

56 100

55 87.7 58.6 87.8



#15

Acetone

Concen: 3.581 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008341.D

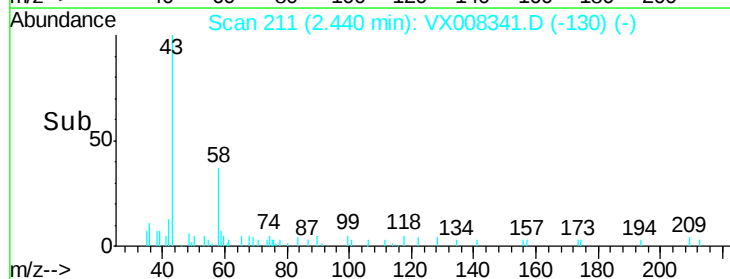
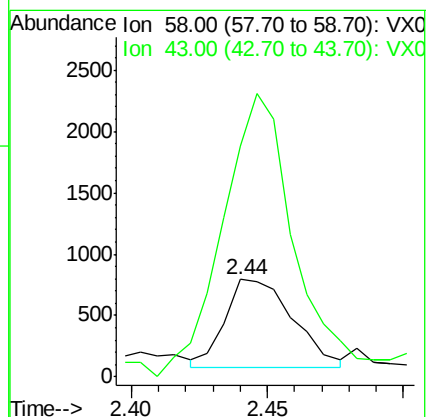
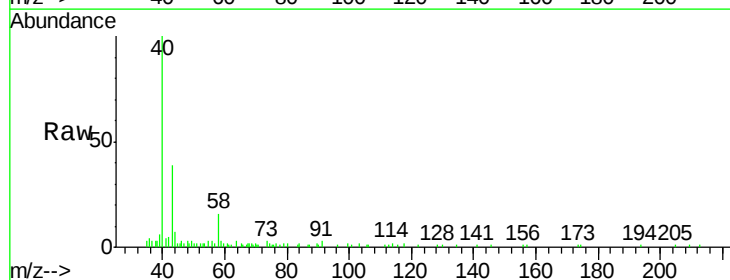
Acq: 22 Mar 2019 16:13

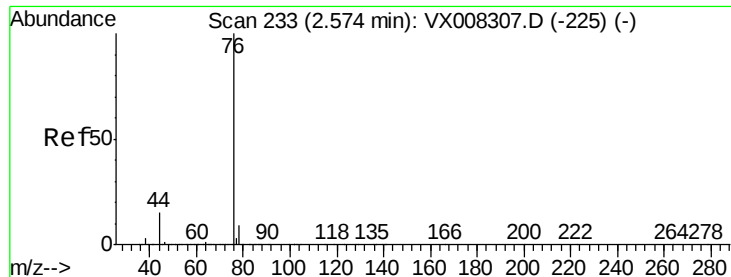
Tgt Ion: 58 Resp: 1223

Ion Ratio Lower Upper

58 100

43 245.3 249.8 374.6#

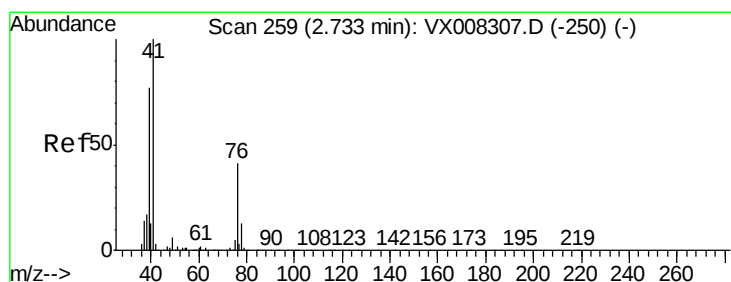
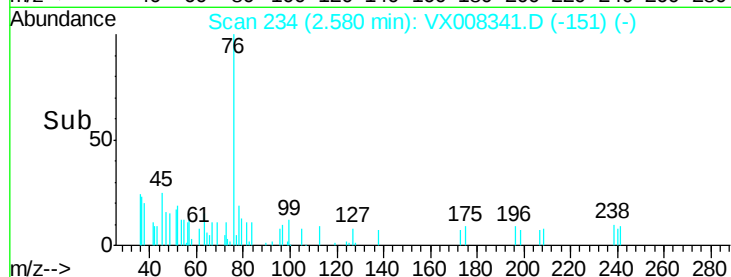
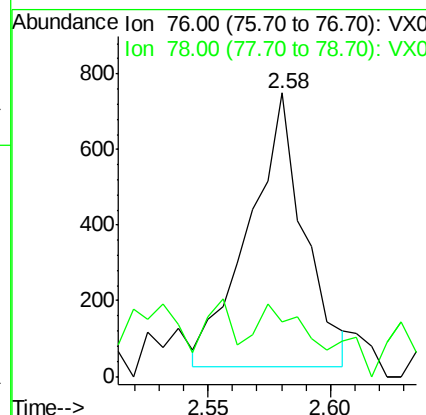
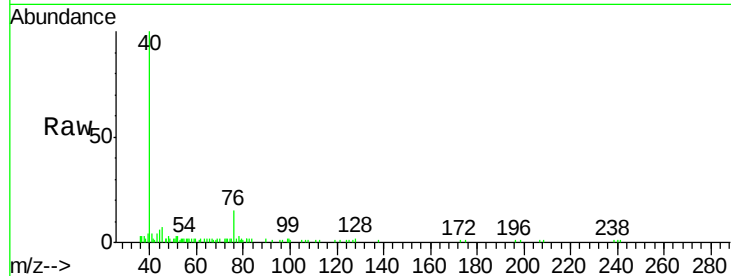




#16
Carbon Disulfide
Concen: 0.255 ug/l
RT: 2.58 min Scan# 234
Delta R.T. 0.01 min
Lab File: VX008341.D
Acq: 22 Mar 2019 16:13

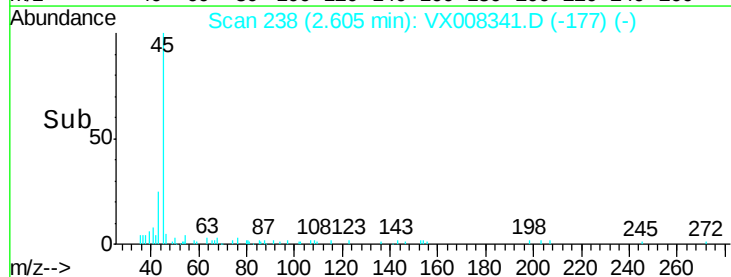
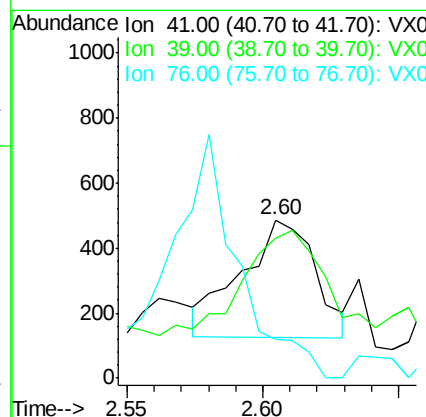
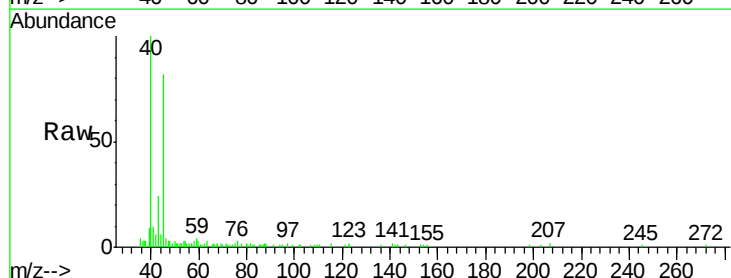
Instrument :
MSVOA_X
ClientSampleId :
55-ST-5

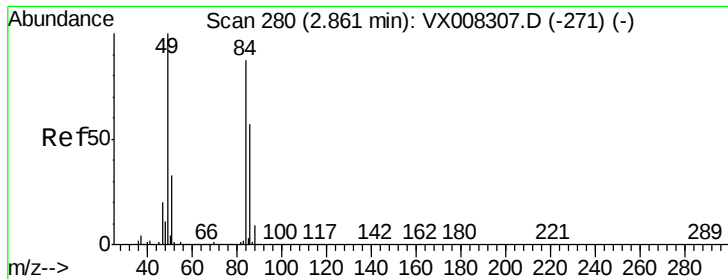
Tot Ion: 76 Resp: 1139
Ion Ratio Lower Upper
76 100
78 11.7 7.5 11.3#



#17
Allyl chloride
Concen: 0.290 ug/l
RT: 2.60 min Scan# 238
Delta R.T. -0.13 min
Lab File: VX008341.D
Acq: 22 Mar 2019 16:13

Tgt Ion: 41 Resp: 688
Ion Ratio Lower Upper
41 100
39 97.6 35.8 107.4
76 41.5 18.3 54.9

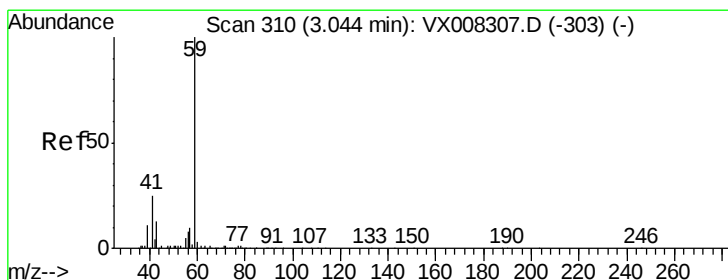
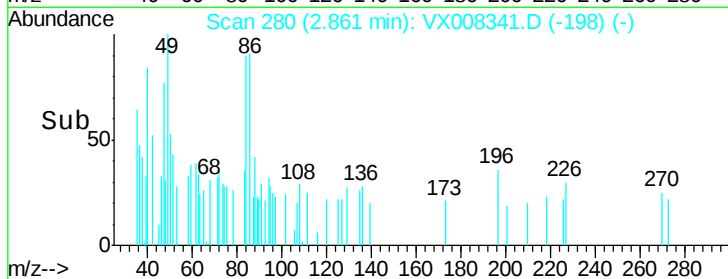
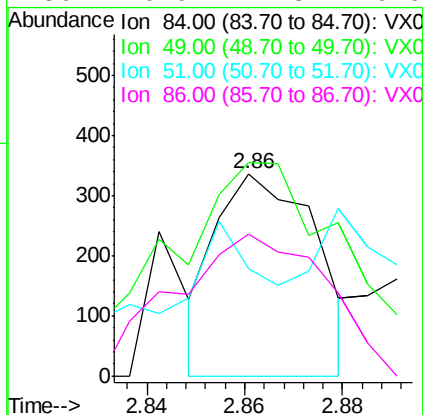
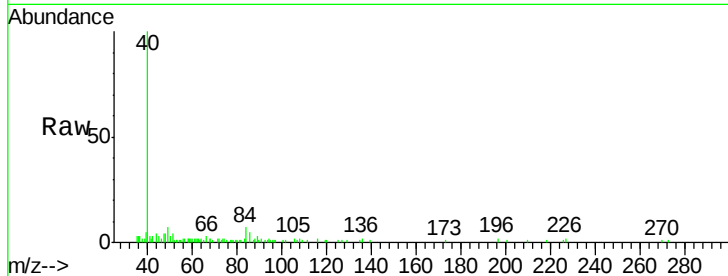




#18
Methylene Chloride
Concen: 0.276 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008341.D
Acq: 22 Mar 2019 16:13

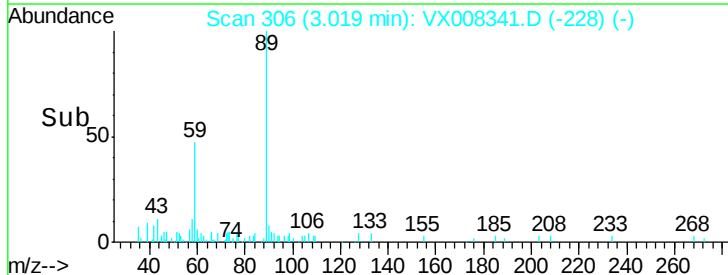
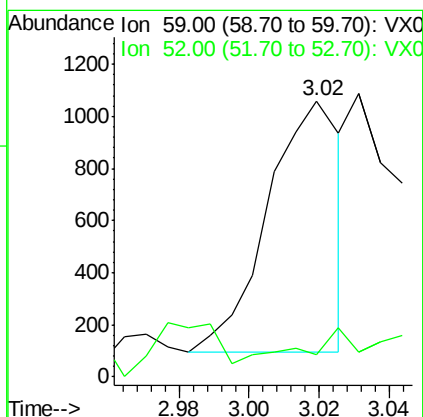
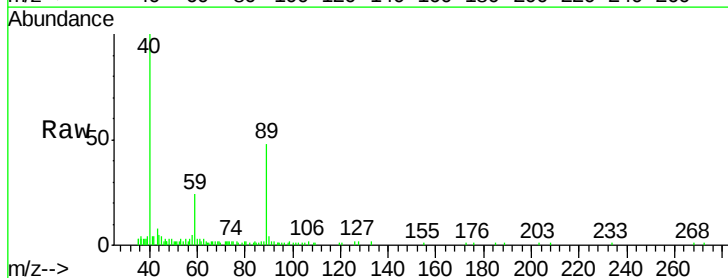
Instrument :
MSVOA_X
ClientSampled :
55-ST-5

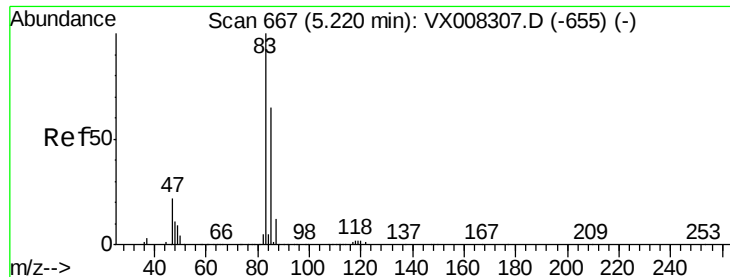
Tot Ion: 84 Resp: 478
Ion Ratio Lower Upper
84 100
49 81.8 96.1 144.1#
51 23.4 29.1 43.7#
86 46.9 47.3 70.9#



#23
tert-Butyl Alcohol
Concen: 3.979 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX008341.D
Acq: 22 Mar 2019 16:13

Tgt Ion: 59 Resp: 1407
Ion Ratio Lower Upper
59 100
52 4.5 0.2 0.2#





#25

Chloroform

Concen: 0.499 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.01 min

Lab File: VX008341.D

Acq: 22 Mar 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

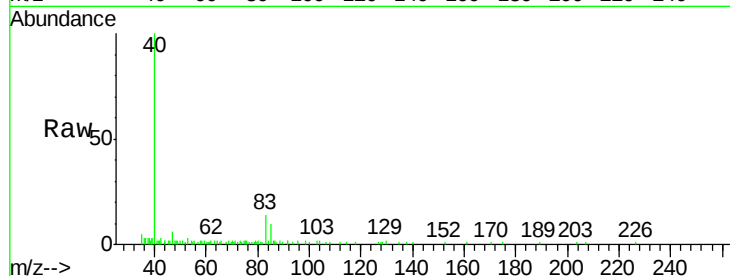
55-ST-5

Tot Ion: 83 Resp: 1550

Ion Ratio Lower Upper

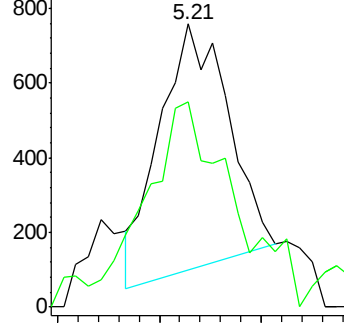
83 100

85 72.2 53.8 80.6

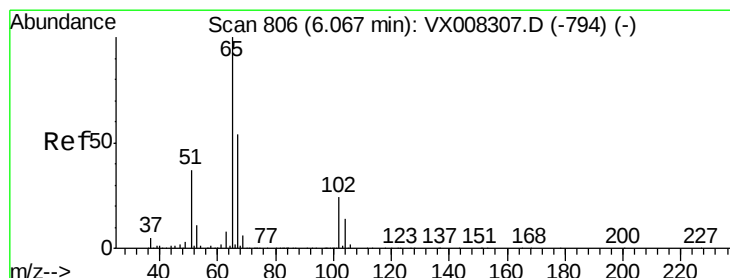
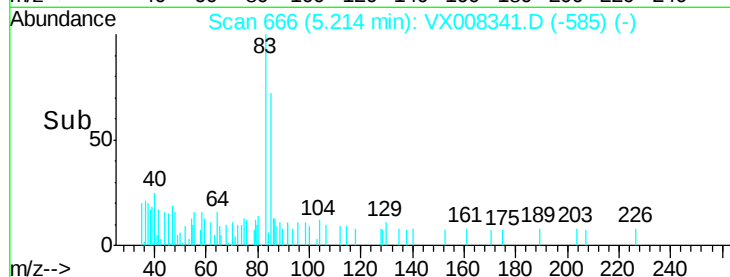


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



Time-->



#27

1,2-Dichloroethane-d4

Concen: 30.384 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008341.D

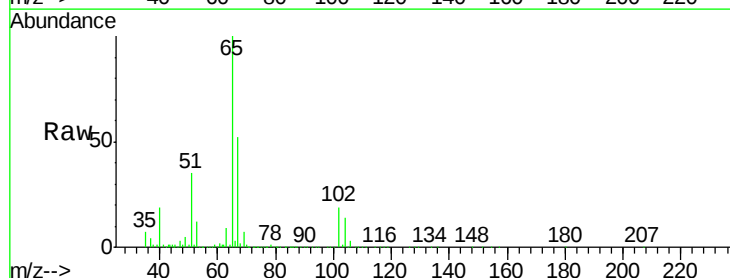
Acq: 22 Mar 2019 16:13

Tgt Ion: 65 Resp: 62146

Ion Ratio Lower Upper

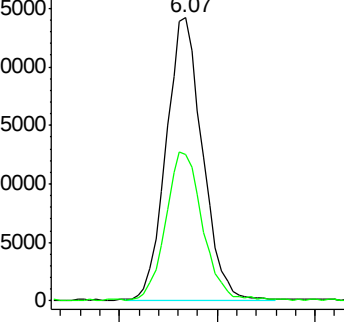
65 100

67 52.2 42.9 64.3

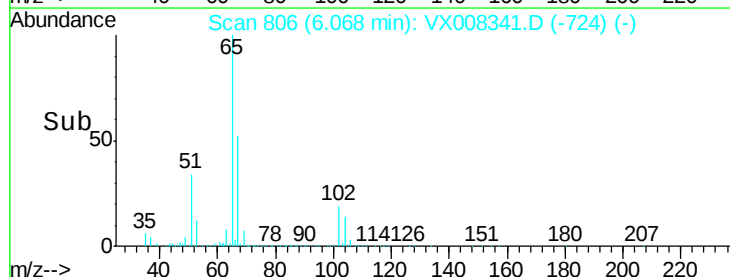


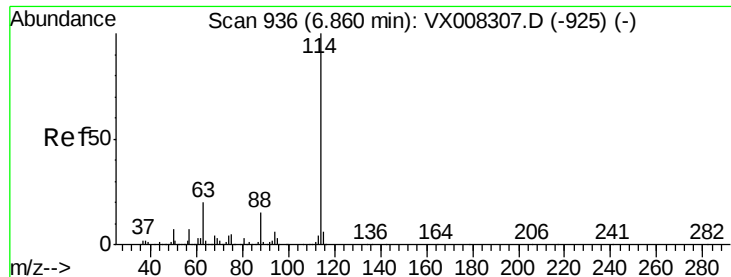
Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



Time-->

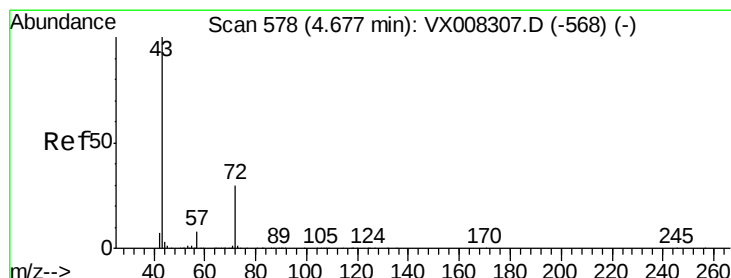
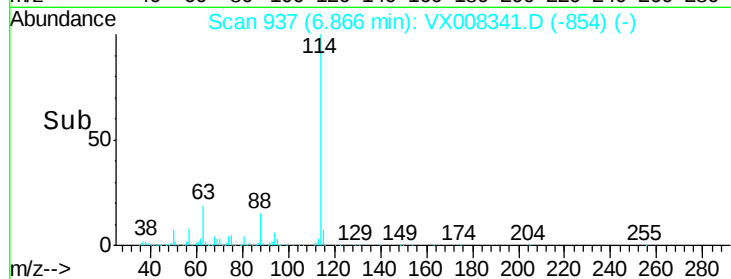
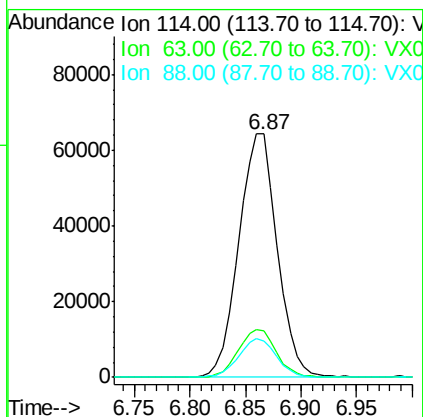
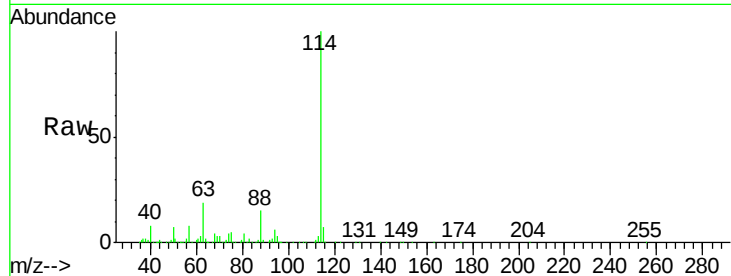




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX008341.D
 Acq: 22 Mar 2019 16:13

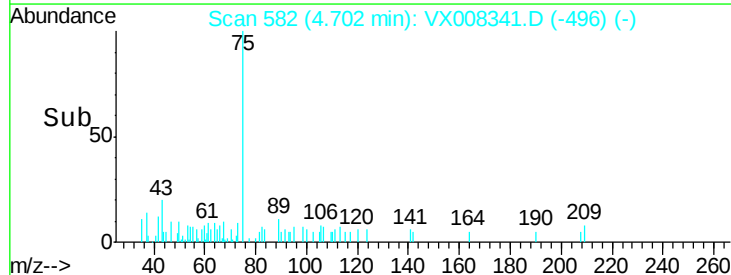
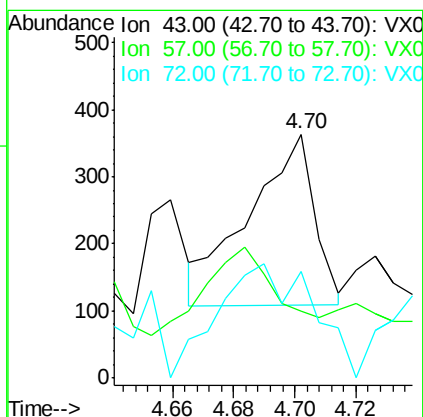
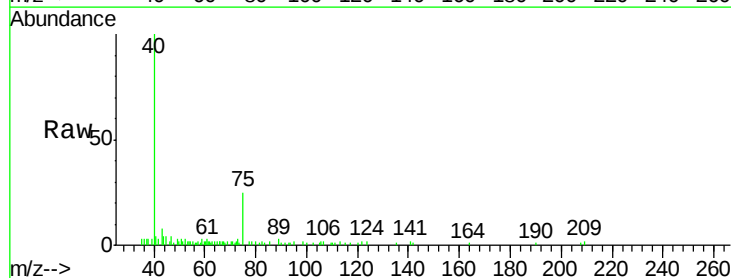
Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-5

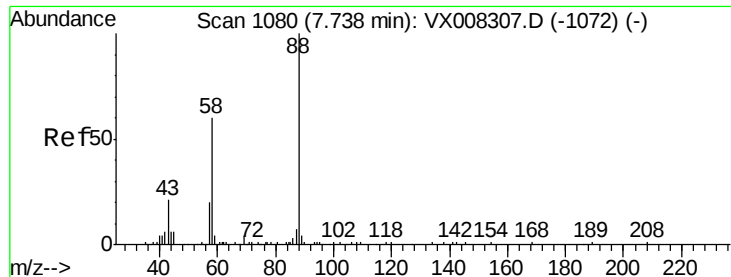
Tot Ion:114 Resp: 154226
 Ion Ratio Lower Upper
 114 100
 63 19.6 14.2 21.4
 88 15.5 11.9 17.9



#30
 2-Butanone
 Concen: 0.298 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. 0.02 min
 Lab File: VX008341.D
 Acq: 22 Mar 2019 16:13

Tgt Ion: 43 Resp: 376
 Ion Ratio Lower Upper
 43 100
 57 85.9 7.0 10.6#
 72 96.8 21.5 32.3#





#45

1,4-Dioxane

Concen: 1.611 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX008341.D

Acq: 22 Mar 2019 16:13

Instrument :

MSVOA_X

ClientSampled :

55-ST-5

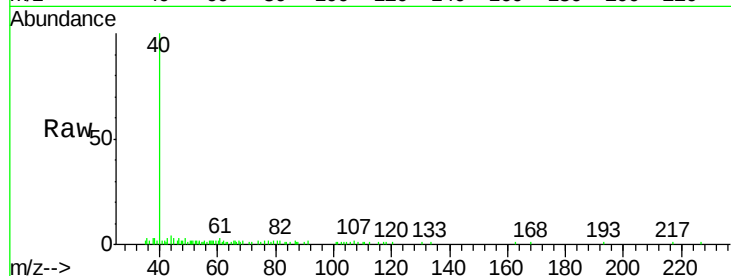
Tot Ion: 88 Resp: 71

Ion Ratio Lower Upper

88 100

43 53.5 23.6 35.4#

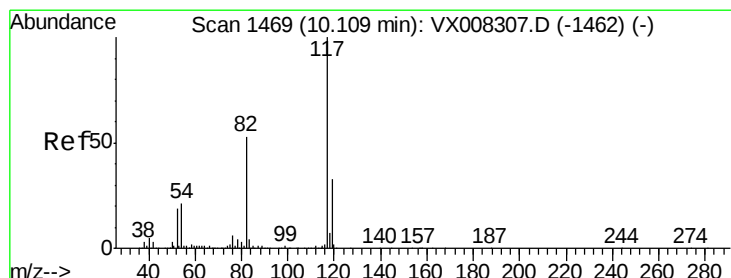
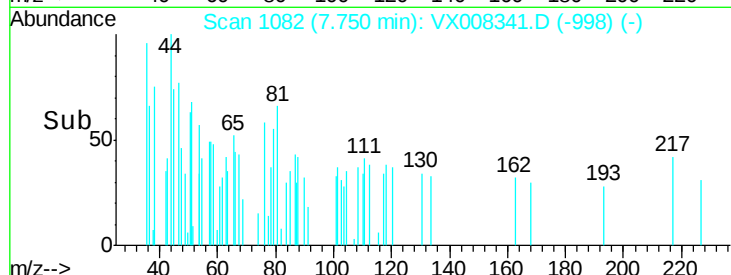
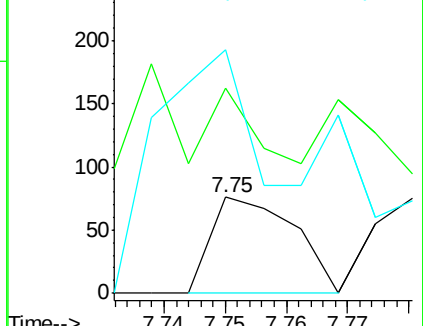
58 301.4 51.6 77.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008341.D

Acq: 22 Mar 2019 16:13

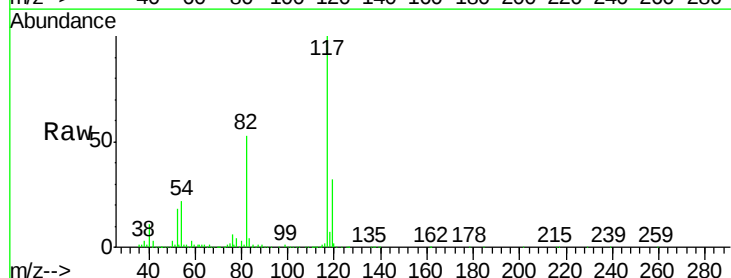
Tgt Ion: 117 Resp: 134239

Ion Ratio Lower Upper

117 100

82 52.0 40.4 60.6

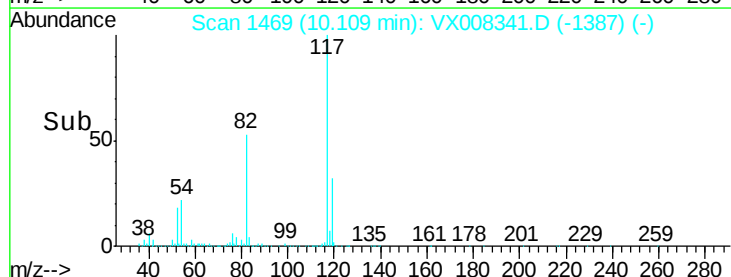
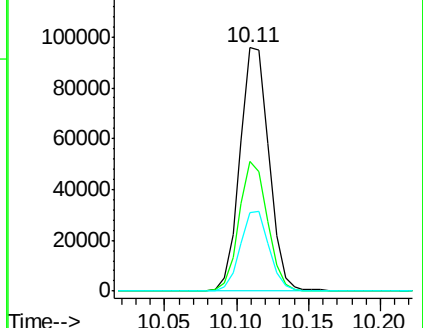
119 32.7 25.8 38.6

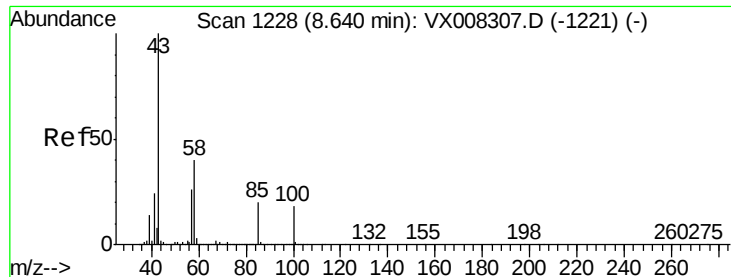


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

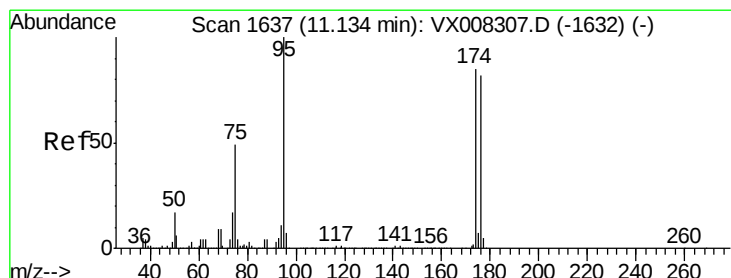
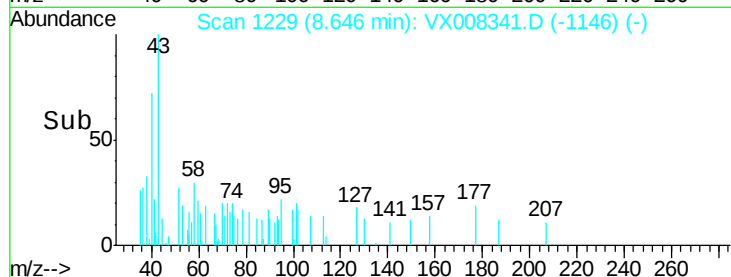
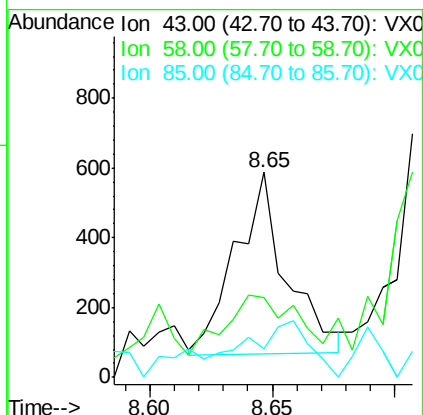
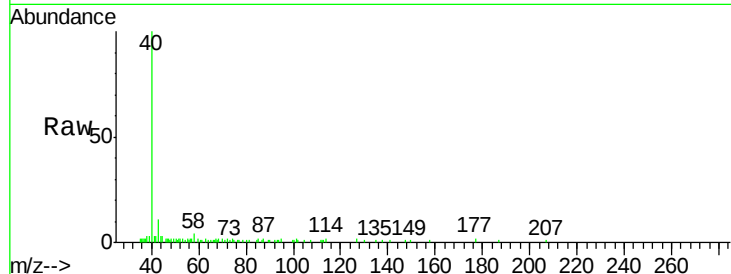




#58
4-Methyl-2-Pentanone
Concen: 0.338 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX008341.D
Acq: 22 Mar 2019 16:13

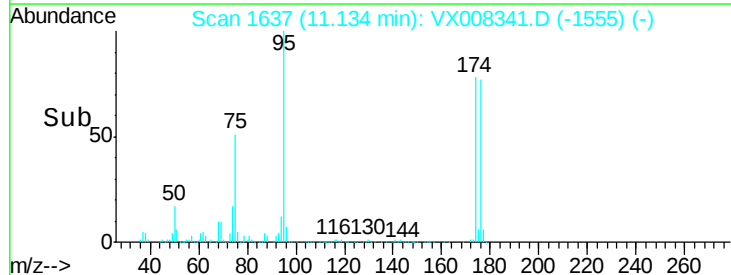
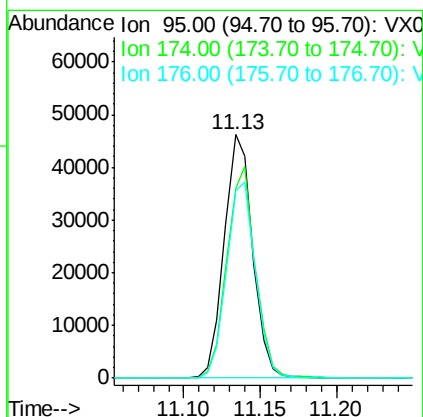
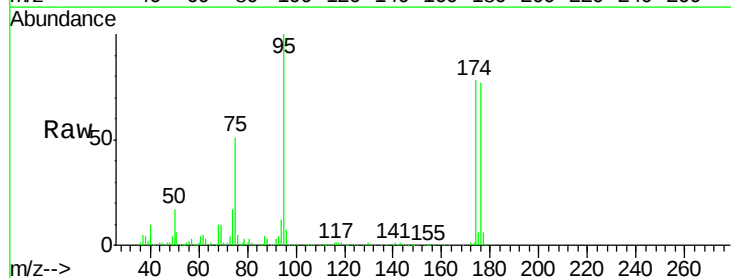
Instrument :
MSVOA_X
ClientSampleId :
55-ST-5

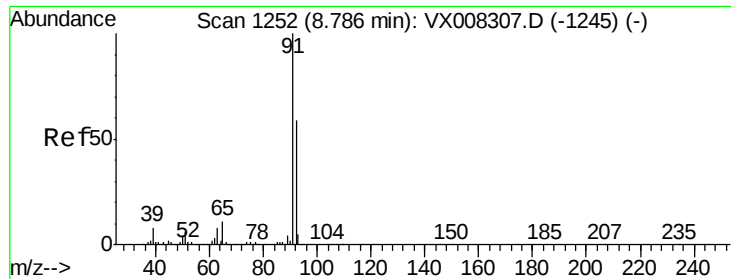
Tot Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
58 45.2 31.4 47.0
85 11.9 15.0 22.6#



#60
4-Bromofluorobenzene
Concen: 27.285 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008341.D
Acq: 22 Mar 2019 16:13

Tgt Ion: 95 Resp: 59619
Ion Ratio Lower Upper
95 100
174 86.5 74.9 112.3
176 81.4 70.7 106.1





#62

Toluene

Concen: 0.296 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008341.D

Acq: 22 Mar 2019 16:13

Instrument :

MSVOA_X

ClientSampled :

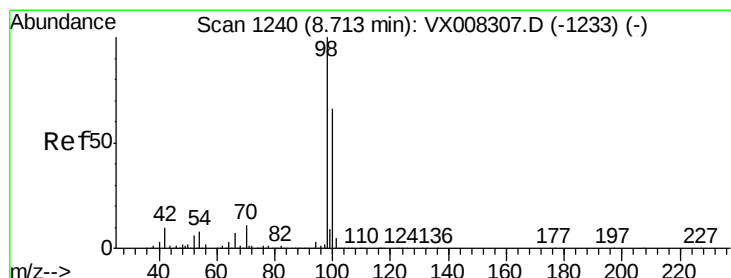
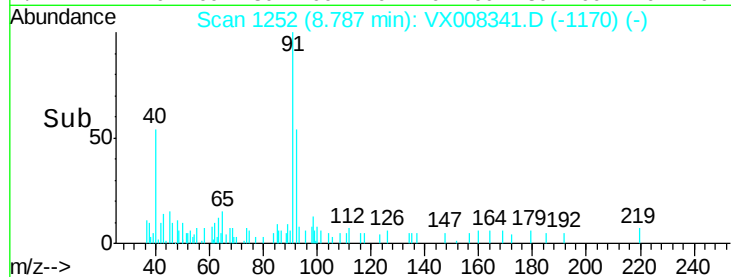
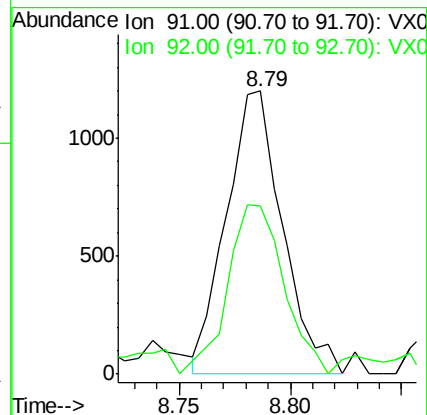
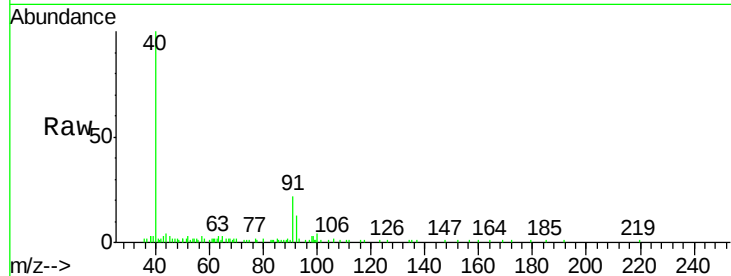
55-ST-5

Tot Ion: 91 Resp: 2112

Ion Ratio Lower Upper

91 100

92 59.5 46.4 69.6



#63

Toluene-d8

Concen: 29.399 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008341.D

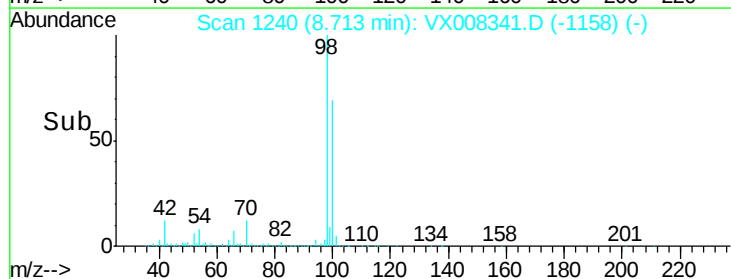
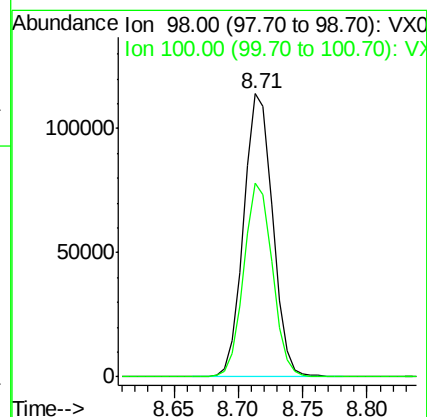
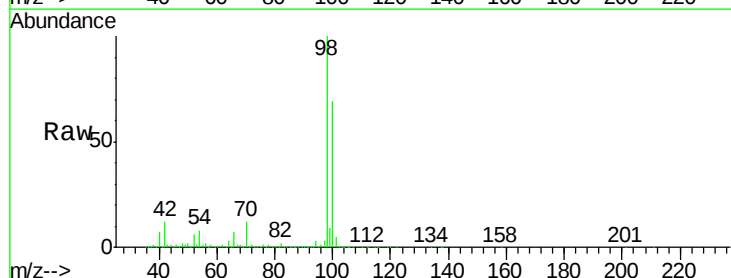
Acq: 22 Mar 2019 16:13

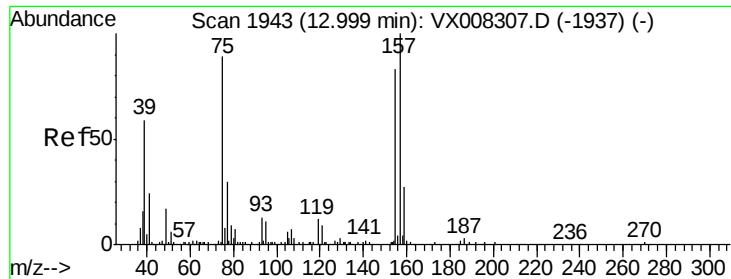
Tgt Ion: 98 Resp: 177808

Ion Ratio Lower Upper

98 100

100 67.3 50.9 76.3





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.334 ug/l

RT: 13.01 min Scan# 1944

Delta R.T. 0.01 min

Lab File: VX008341.D

Acq: 22 Mar 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

55-ST-5

Tot Ion: 75 Resp: 202

Ion Ratio Lower Upper

75 100

155 0.0 81.0 121.6#

157 0.0 103.2 154.8#

