

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031819\
 Data File : VX008163.D
 Acq On : 18 Mar 2019 12:32
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Mar 19 02:35:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 18 14:34:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	57017	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	317758	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	267672	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	143147	30.18	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.60%
60) 4-Bromofluorobenzene	11.13	95	126588	28.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.47%
63) Toluene-d8	8.71	98	396820	30.51	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	1066	0.417 ug/l	100
3) Chloromethane	1.33	50	1328	0.412 ug/l	98
4) Vinyl Chloride	1.41	62	684	0.206 ug/l	89
7) Trichlorofluoromethane	1.94	101	1161	0.278 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1046	0.369 ug/l	75
10) 1,1-Dichloroethene	2.37	96	622	0.232 ug/l	96
11) Methyl Iodide	2.53	142	1970	0.578 ug/l #	87
13) Acrolein	2.29	56	1008	1.495 ug/l	100
14) Acrylonitrile	3.15	53	2230	1.146 ug/l	85
15) Acetone	2.43	58	142	0.227 ug/l	89
16) Carbon Disulfide	2.57	76	11061	1.295 ug/l	98
18) Methylene Chloride	2.87	84	1475	0.472 ug/l #	84
23) tert-Butyl Alcohol	3.04	59	998	1.392 ug/l #	92
37) Trichloroethene	7.22	130	1196	0.397 ug/l	92
38) Methylcyclohexane	7.46	83	1330	0.259 ug/l	77
40) Dibromomethane	7.66	93	753	0.357 ug/l	72
42) Vinyl Acetate	3.82	43	4508	0.452 ug/l #	90
45) 1,4-Dioxane	7.71	88	85	1.116 ug/l #	20
48) t-1,3-Dichloropropene	9.04	75	1292	0.287 ug/l	93
54) 1,2-Dibromoethane	9.68	107	847	0.268 ug/l	82
55) 2-Chloroethyl vinyl ether	8.32	63	1520	0.435 ug/l #	89
58) 4-Methyl-2-Pentanone	8.64	43	2030	0.397 ug/l #	95
59) 2-Hexanone	9.50	43	1561	0.386 ug/l	93
61) Tetrachloroethene	9.34	164	1084	0.402 ug/l	97
62) Toluene	8.79	91	2766	0.218 ug/l	91
64) Chlorobenzene	10.14	112	2513	0.334 ug/l #	89
67) m/p-Xylenes	10.36	106	2418	0.484 ug/l	93
68) o-Xylene	10.70	106	1026	0.214 ug/l	96
69) Styrene	10.71	104	1768	0.226 ug/l #	86
73) Bromobenzene	11.26	156	1083	0.353 ug/l	81
74) n-propylbenzene	11.36	91	3957	0.258 ug/l	94
75) 2-Chlorotoluene	11.42	91	2500	0.278 ug/l	100
78) 4-Chlorotoluene	11.51	91	4058	0.391 ug/l	91
79) tert-butylbenzene	12.07	119	2326	0.213 ug/l	85
80) 1,2,4-Trimethylbenzene	11.80	105	2275	0.211 ug/l	94
81) sec-Butylbenzene	11.94	105	2919	0.228 ug/l	98
82) p-Isopropyltoluene	12.07	119	2326	0.213 ug/l	85

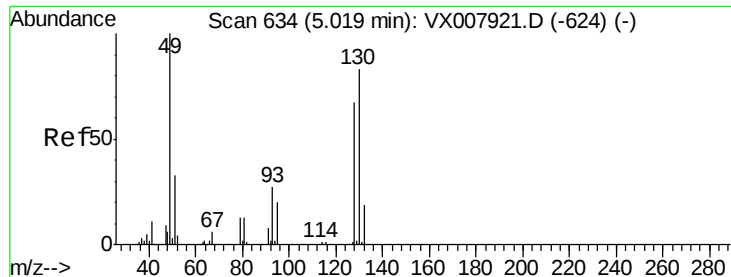
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031819\
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 ClientSampleId :
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Quant Time: Mar 19 02:35:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 18 14:34:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) 1,3-Dichlorobenzene	12.02	146	2528	0.460	ug/l	93
84) 1,4-Dichlorobenzene	12.10	146	2686	0.493	ug/l	85
85) n-Butylbenzene	12.39	91	3325	0.324	ug/l	97
87) 1,2-Dichlorobenzene	12.40	146	1915	0.350	ug/l	92
88) 1,2-Dibromo-3-Chloropropan	13.01	75	232	0.231	ug/l	92
89) 1,2,4-Trichlorobenzene	13.65	180	2745	0.770	ug/l	98
90) Hexachlorobutadiene	13.78	225	818	0.442	ug/l	79
91) Naphthalene	13.83	128	8913	0.772	ug/l	98
92) 1,2,3-Trichlorobenzene	14.02	180	2785	0.782	ug/l	92

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampled :

IBLK

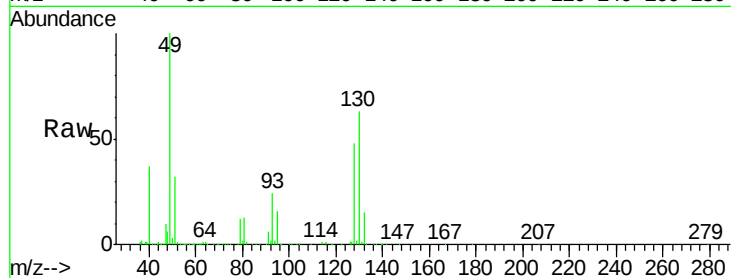
Tot Ion:128 Resp: 57017

Ion Ratio Lower Upper

128 100

49 196.8 0.0 350.8

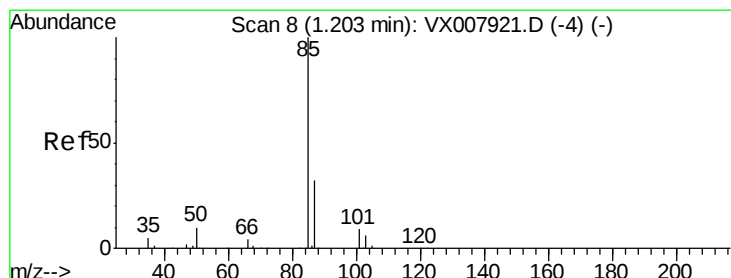
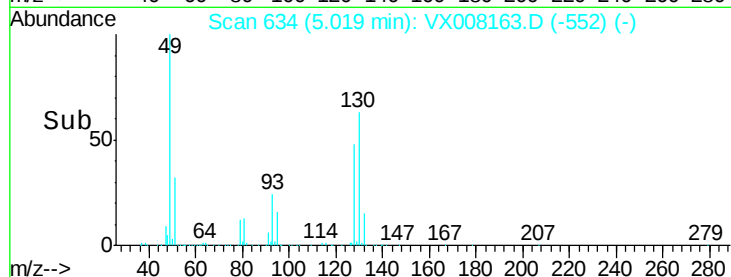
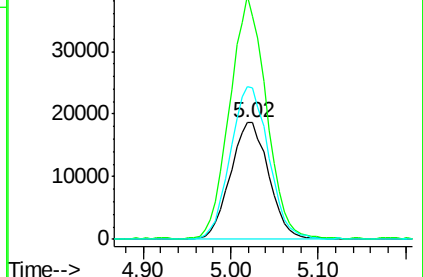
130 130.7 0.0 325.8



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



#2

Dichlorodifluoromethane

Concen: 0.417 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008163.D

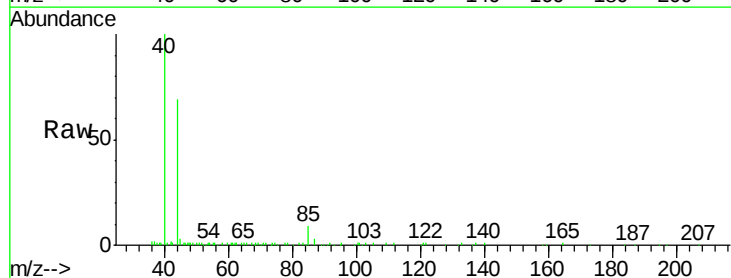
Acq: 18 Mar 2019 12:32

Tgt Ion: 85 Resp: 1066

Ion Ratio Lower Upper

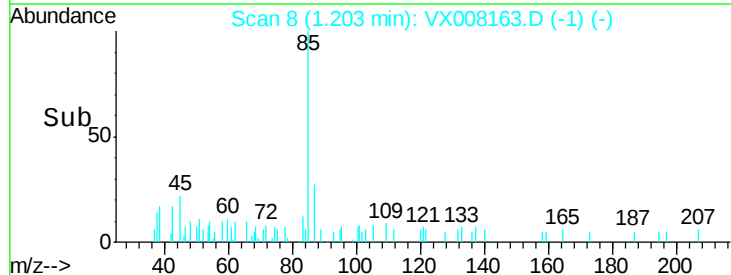
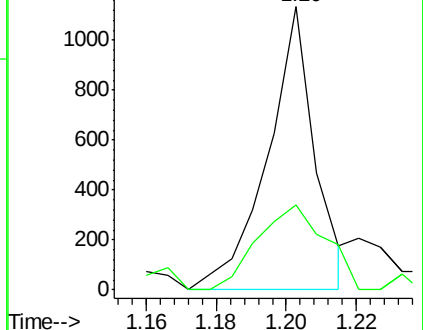
85 100

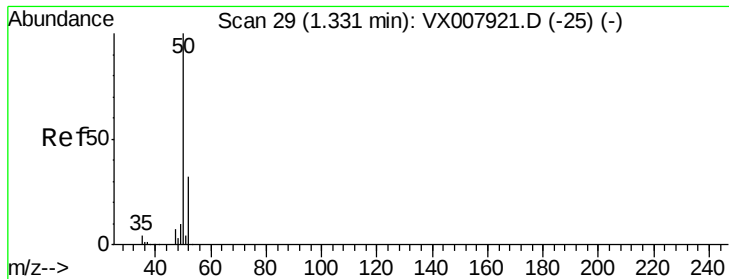
87 33.5 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 0.412 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampled :

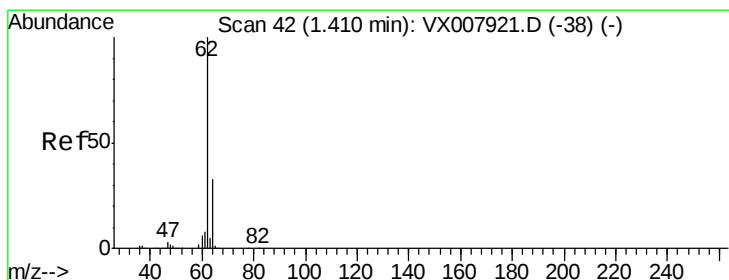
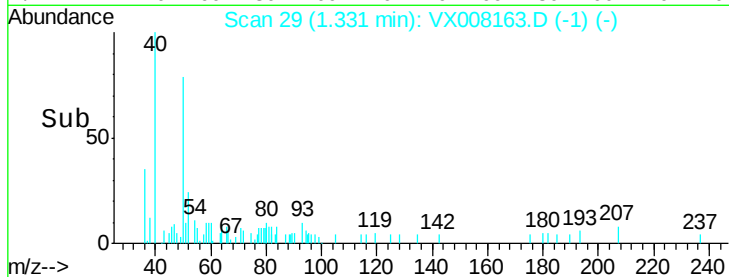
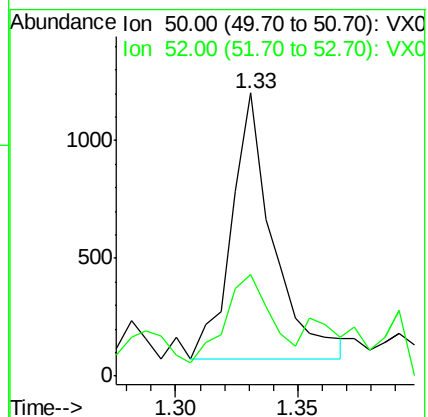
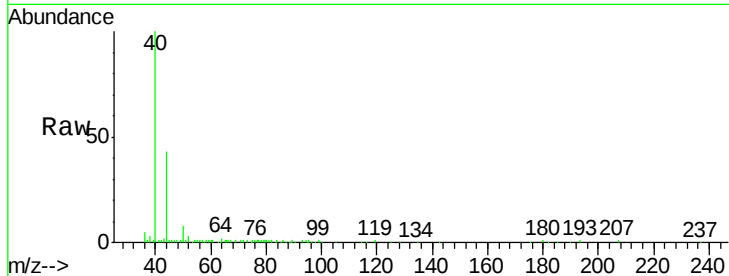
IBLK

Tot Ion: 50 Resp: 1328

Ion Ratio Lower Upper

50 100

52 33.5 27.5 41.3



#4

Vinyl Chloride

Concen: 0.206 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008163.D

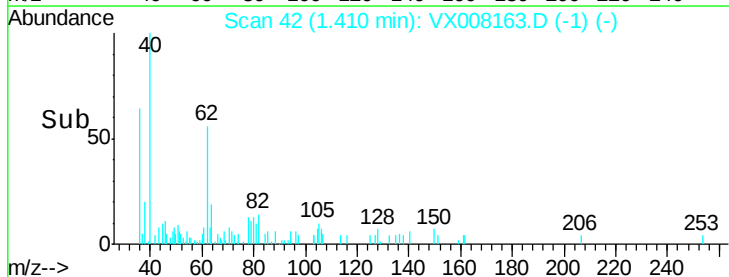
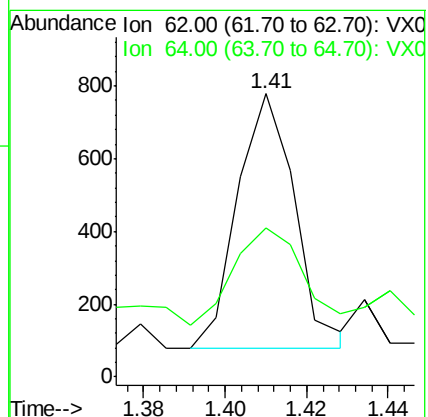
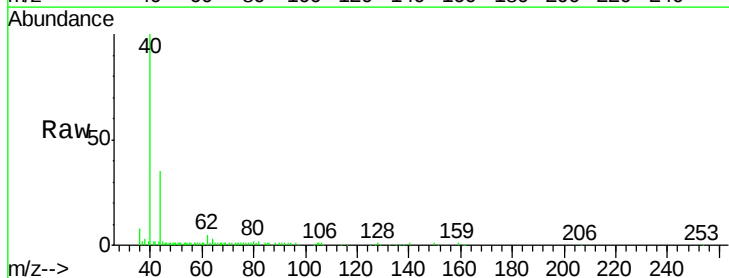
Acq: 18 Mar 2019 12:32

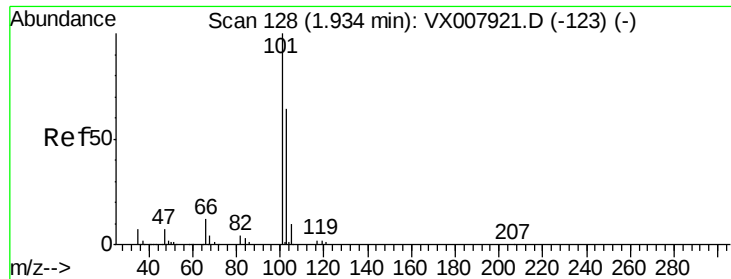
Tgt Ion: 62 Resp: 684

Ion Ratio Lower Upper

62 100

64 38.5 25.9 38.9





#7

Trichlorofluoromethane

Concen: 0.278 ug/l

RT: 1.94 min Scan# 129

Delta R.T. 0.01 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

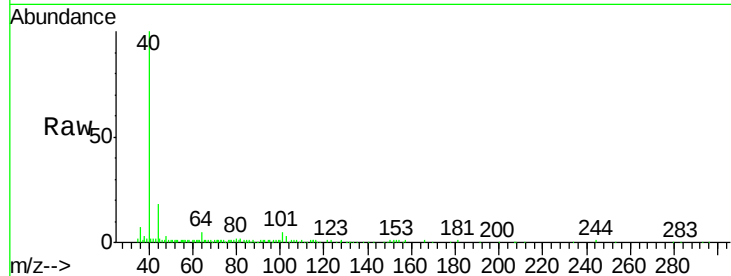
IBLK

Tot Ion:101 Resp: 1161

Ion Ratio Lower Upper

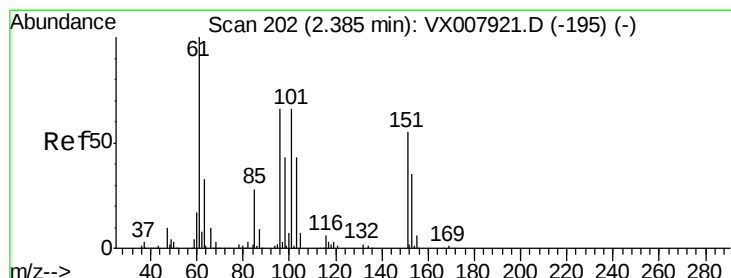
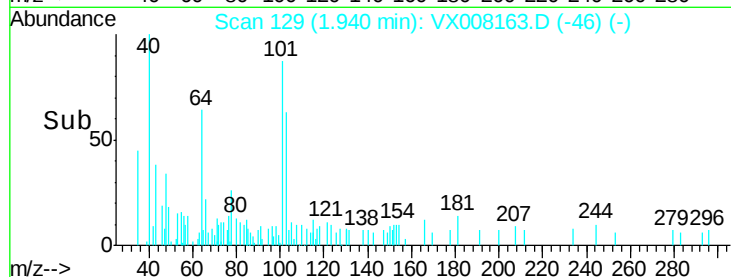
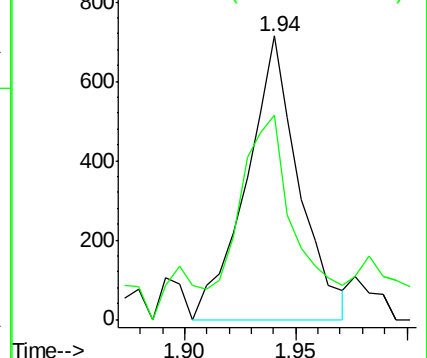
101 100

103 60.4 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.369 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

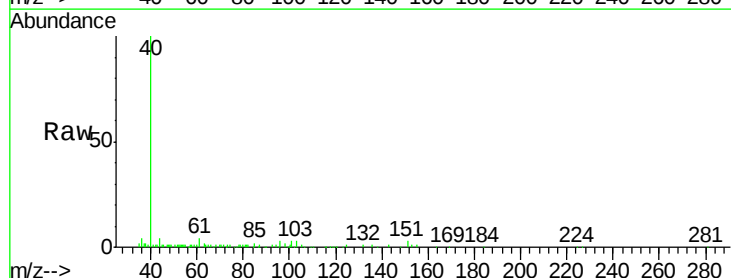
Tgt Ion:101 Resp: 1046

Ion Ratio Lower Upper

101 100

85 31.2 0.0 86.8

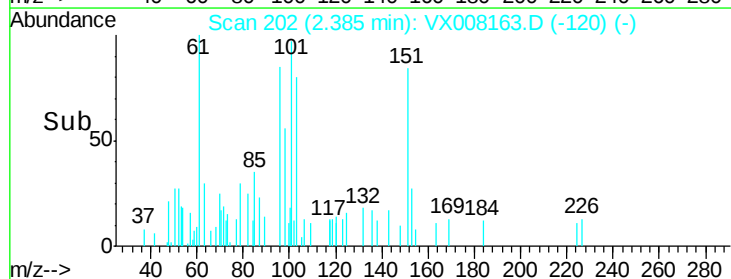
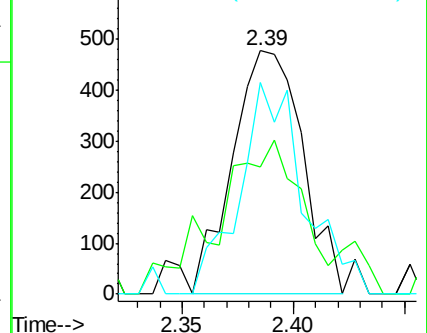
151 59.4 0.0 169.2

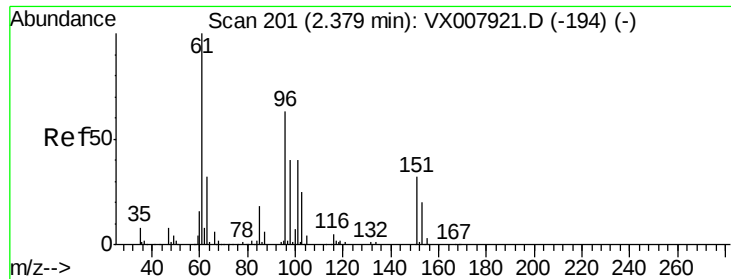


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V

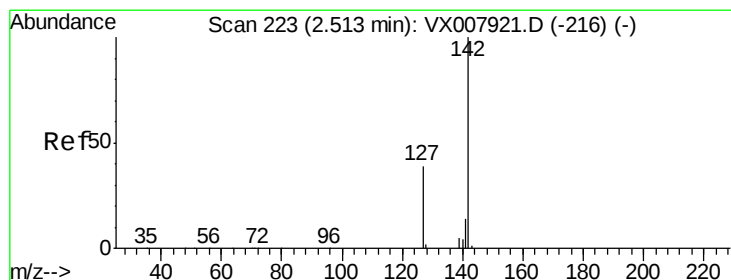
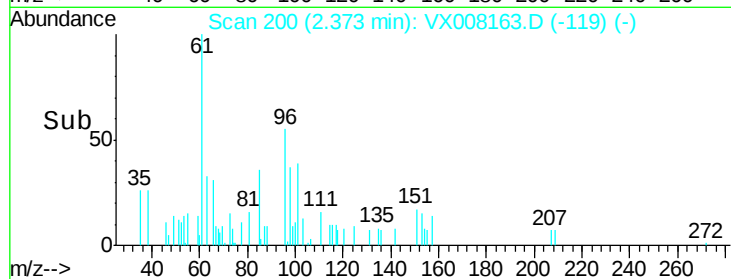
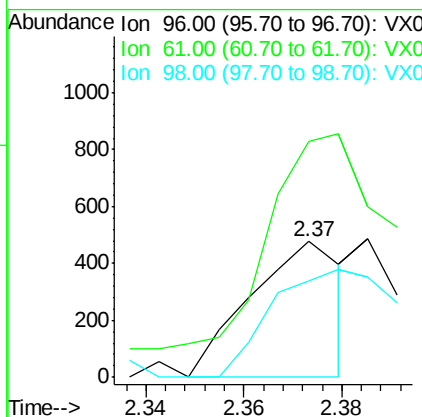
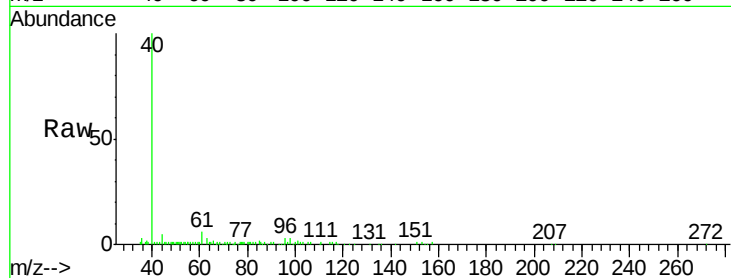




#10
 1,1-Dichloroethene
 Concen: 0.232 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.01 min
 Lab File: VX008163.D
 Acq: 18 Mar 2019 12:32

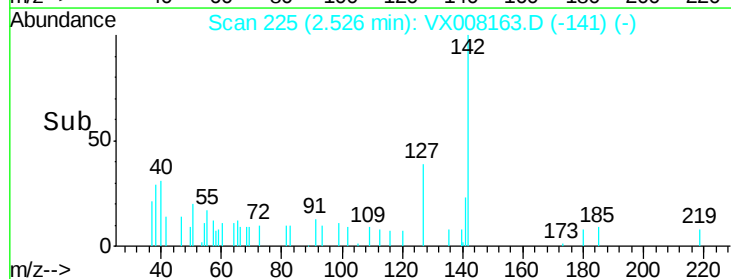
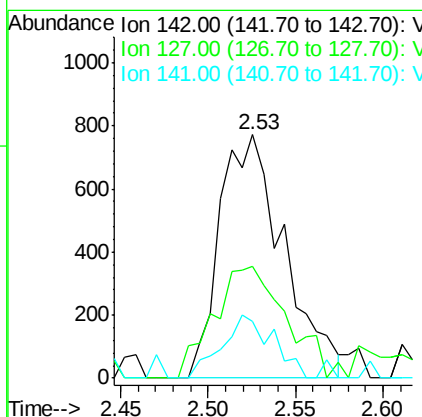
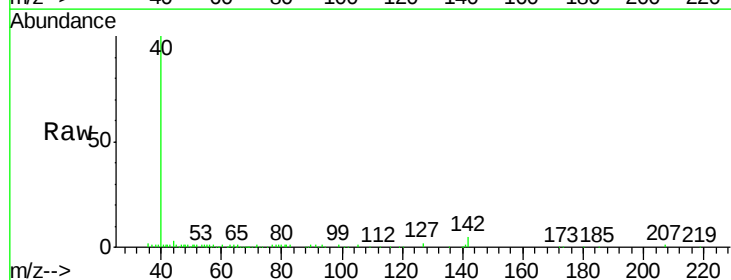
Instrument :
 MSVOA_X
 ClientSampleID :
 IBLK

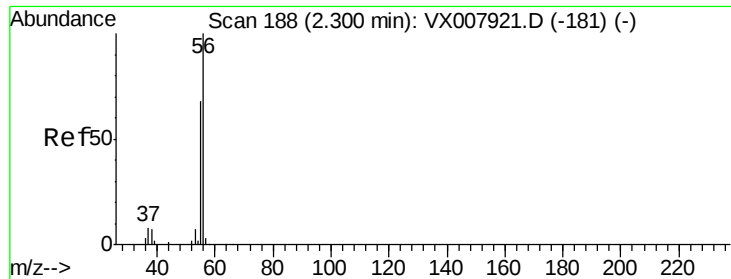
Tot Ion: 96 Resp: 622
 Ion Ratio Lower Upper
 96 100
 61 148.6 120.2 180.2
 98 70.6 49.0 73.4



#11
 Methyl Iodide
 Concen: 0.578 ug/l
 RT: 2.53 min Scan# 225
 Delta R.T. 0.01 min
 Lab File: VX008163.D
 Acq: 18 Mar 2019 12:32

Tgt Ion: 142 Resp: 1970
 Ion Ratio Lower Upper
 142 100
 127 38.0 22.1 66.5
 141 24.4 7.4 22.3#

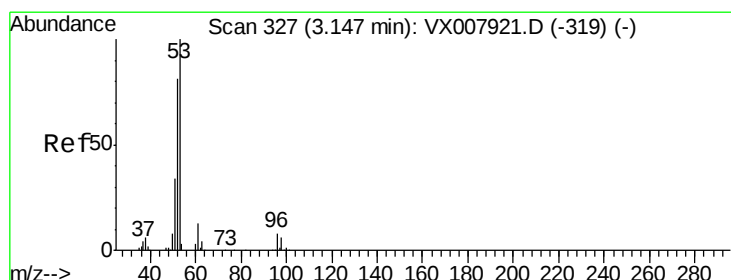
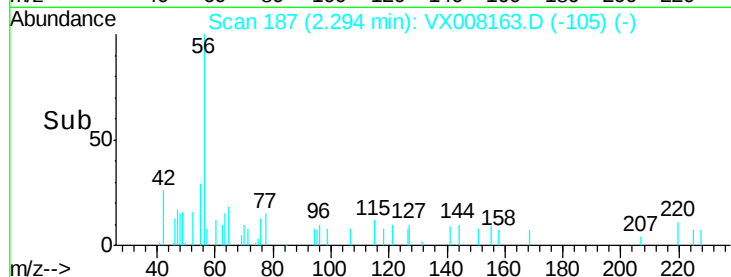
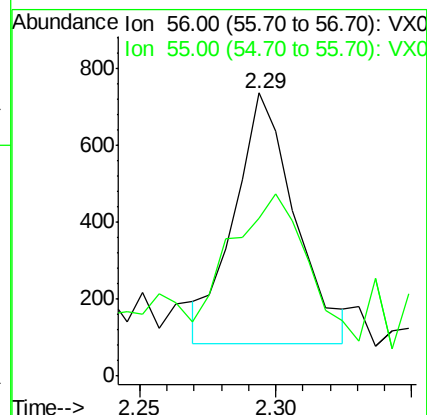
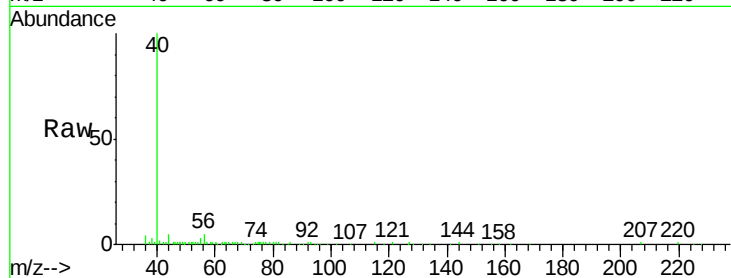




#13
Acrolein
Concen: 1.495 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008163.D
Acq: 18 Mar 2019 12:32

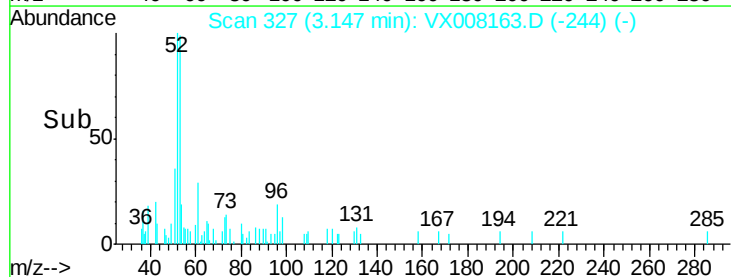
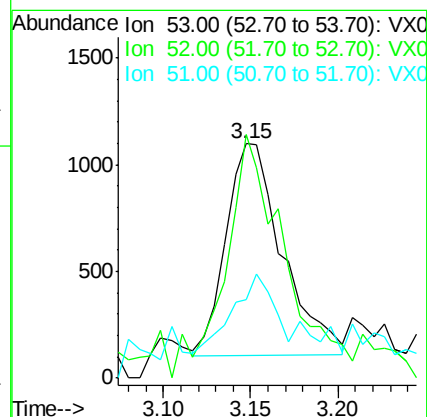
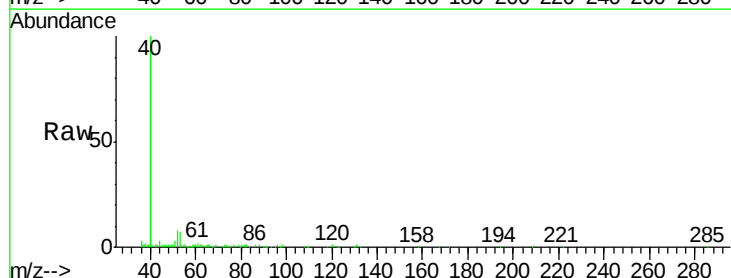
Instrument :
MSVOA_X
ClientSampled :
IBLK

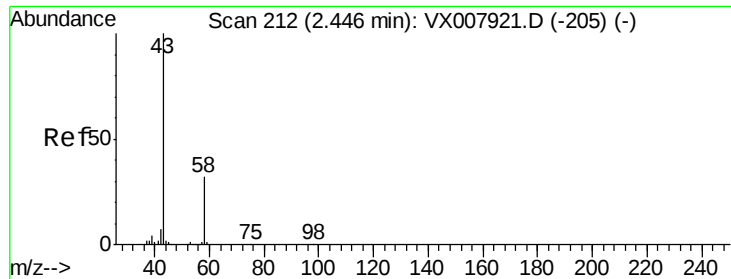
Tot Ion: 56 Resp: 1008
Ion Ratio Lower Upper
56 100
55 72.9 58.6 87.8



#14
Acrylonitrile
Concen: 1.146 ug/l
RT: 3.15 min Scan# 327
Delta R.T. 0.01 min
Lab File: VX008163.D
Acq: 18 Mar 2019 12:32

Tgt Ion: 53 Resp: 2230
Ion Ratio Lower Upper
53 100
52 97.5 41.3 124.1
51 29.0 17.5 52.6





#15

Acetone

Concen: 0.227 ug/l

RT: 2.43 min Scan# 209

Delta R.T. -0.02 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampled :

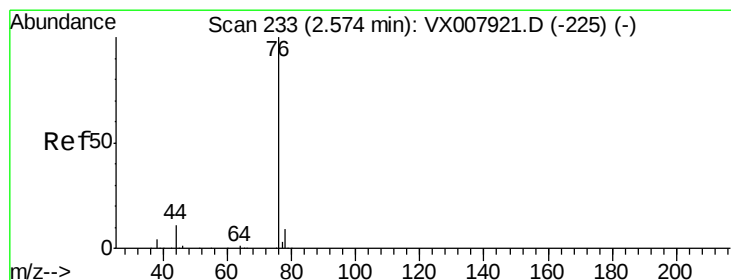
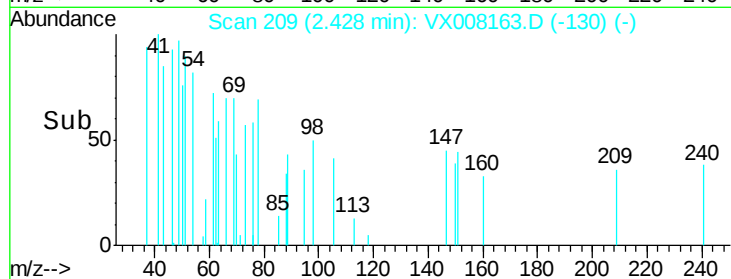
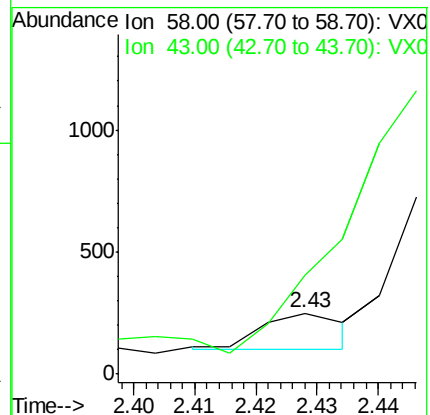
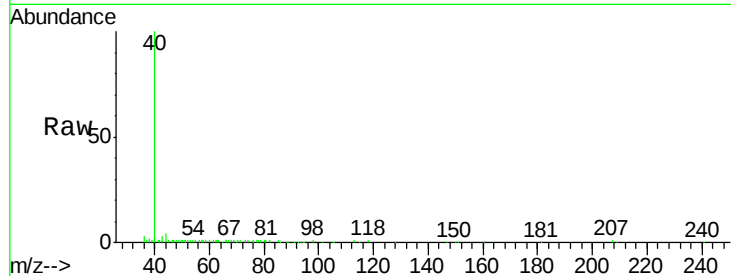
IBLK

Tot Ion: 58 Resp: 142

Ion Ratio Lower Upper

58 100

43 334.6 249.8 374.6



#16

Carbon Disulfide

Concen: 1.295 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX008163.D

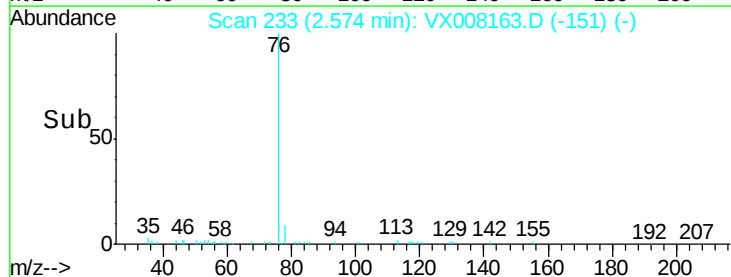
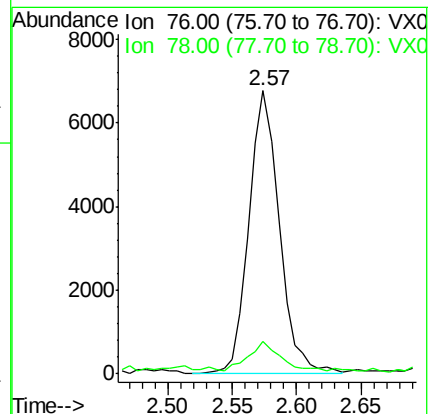
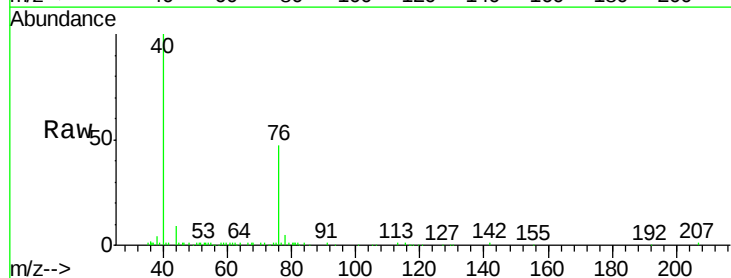
Acq: 18 Mar 2019 12:32

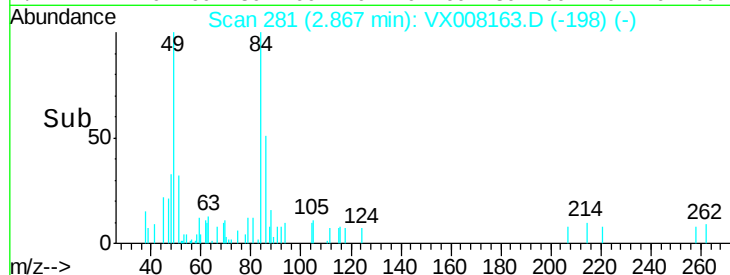
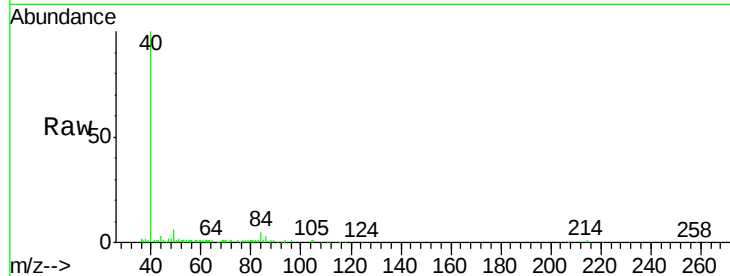
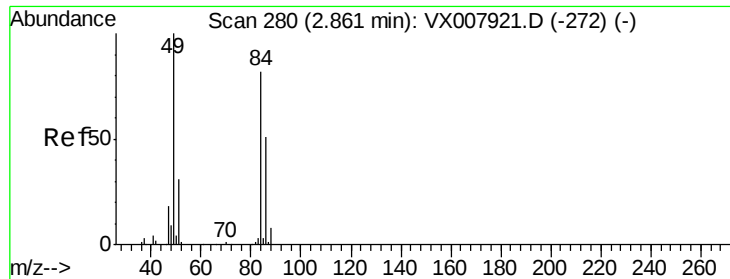
Tgt Ion: 76 Resp: 11061

Ion Ratio Lower Upper

76 100

78 10.1 7.5 11.3

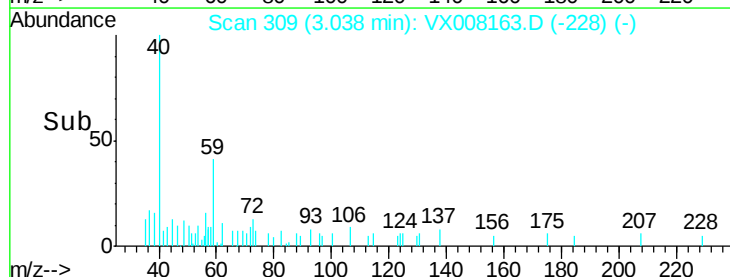
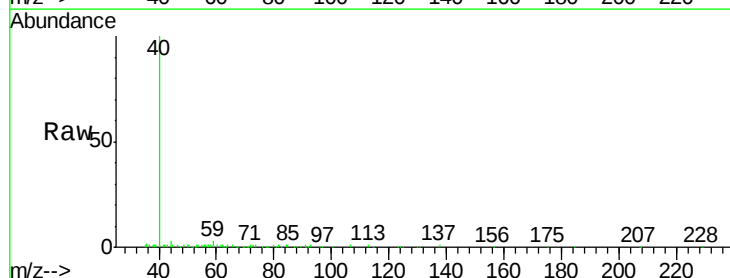
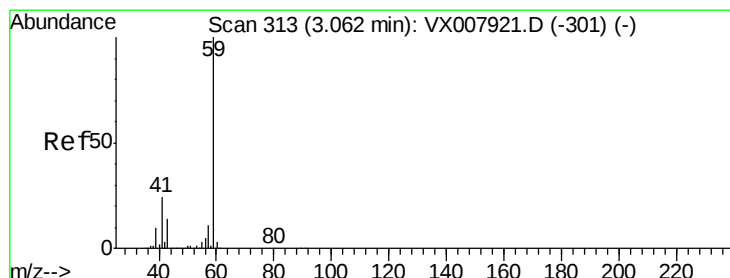
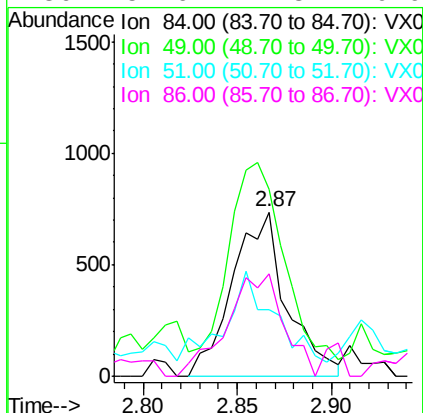




#18
Methvlene Chloride
Concen: 0.472 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX008163.D
Acq: 18 Mar 2019 12:32

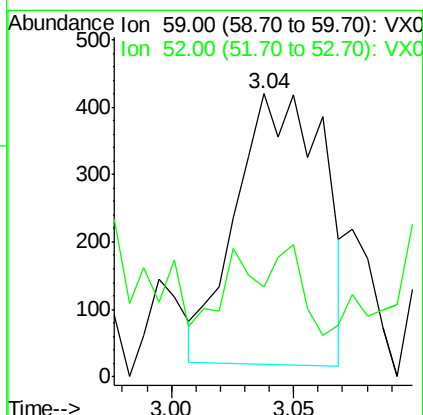
Instrument :
MSVOA_X
ClientSampled :
IBLK

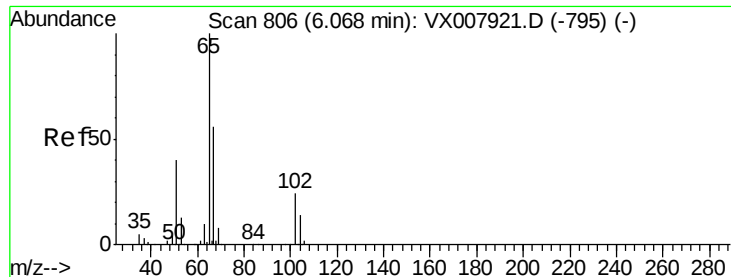
Tot Ion: 84 Resp: 1475
Ion Ratio Lower Upper
84 100
49 103.7 96.1 144.1
51 16.6 29.1 43.7#
86 54.6 47.3 70.9



#23
tert-Butyl Alcohol
Concen: 1.392 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX008163.D
Acq: 18 Mar 2019 12:32

Tgt Ion: 59 Resp: 998
Ion Ratio Lower Upper
59 100
52 10.5 0.2 0.2#





#27

1,2-Dichloroethane-d4

Concen: 30.182 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

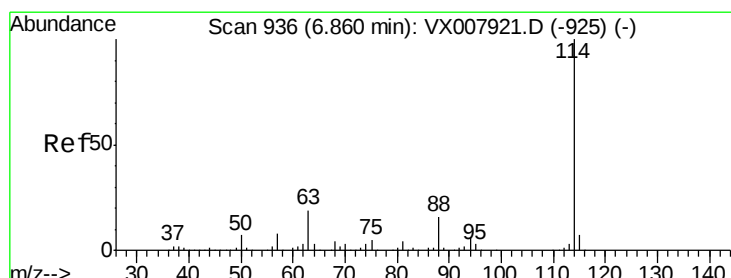
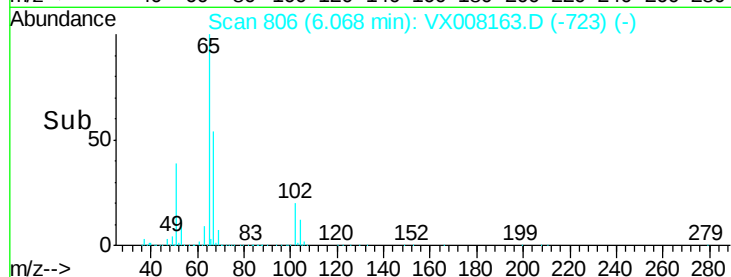
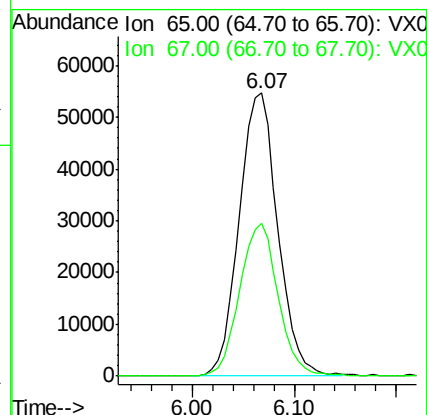
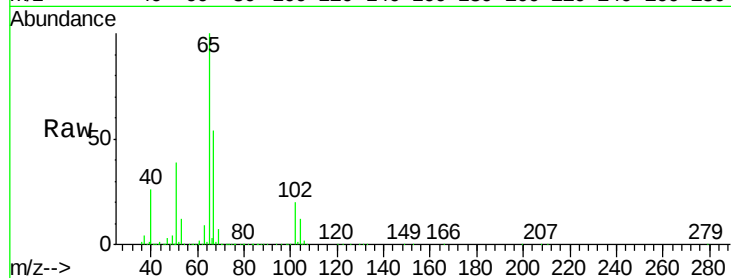
IBLK

Tot Ion: 65 Resp: 143147

Ion Ratio Lower Upper

65 100

67 53.9 42.9 64.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

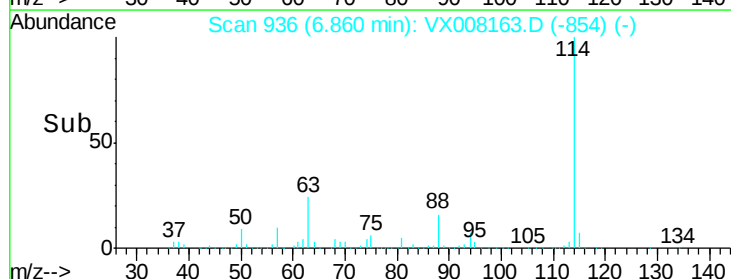
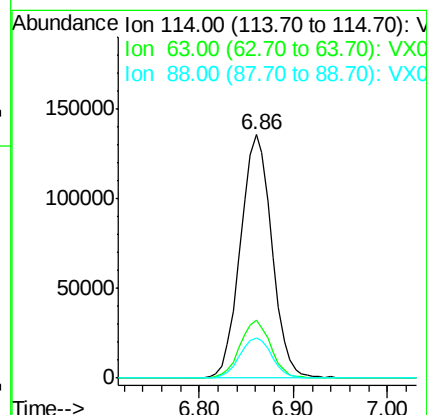
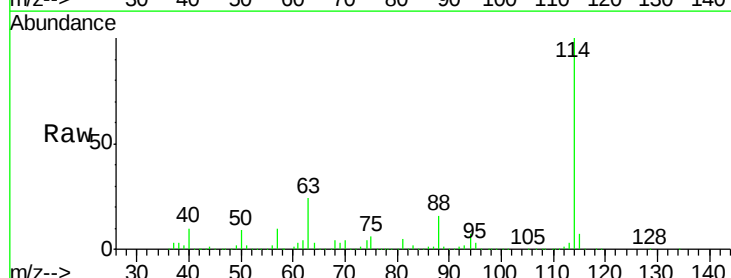
Tgt Ion: 114 Resp: 317758

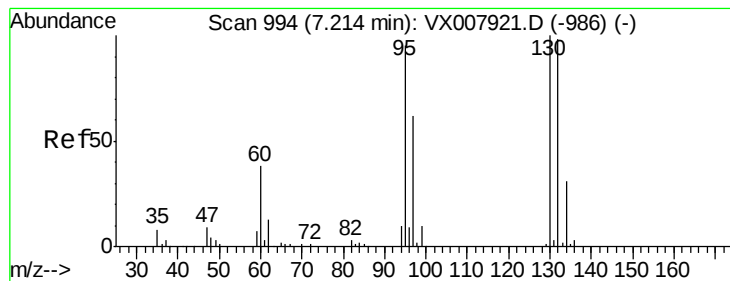
Ion Ratio Lower Upper

114 100

63 23.1 14.2 21.4#

88 16.8 11.9 17.9





#37

Trichloroethene

Concen: 0.397 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

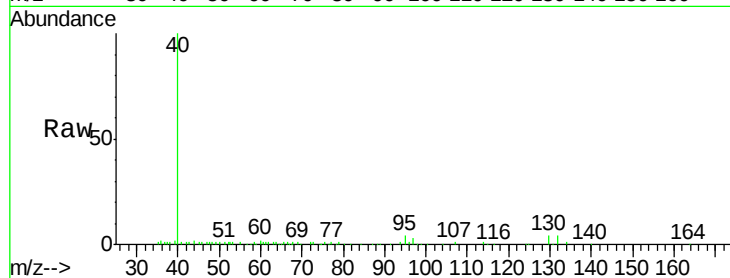
IBLK

Tot Ion:130 Resp: 1196

Ion Ratio Lower Upper

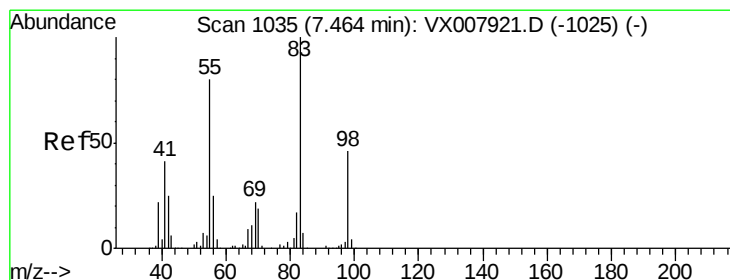
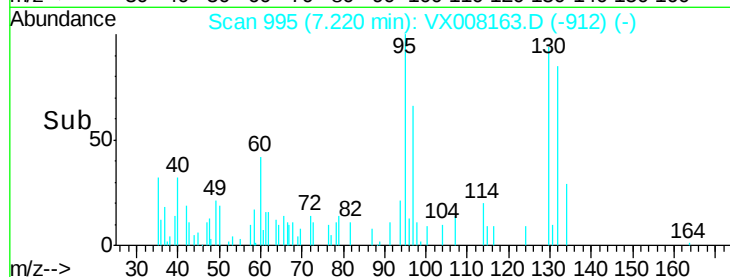
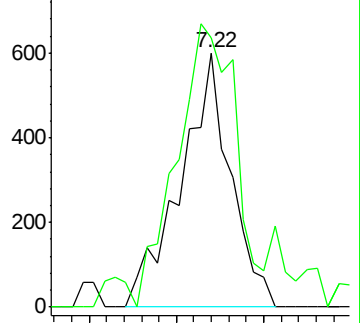
130 100

95 96.2 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 0.259 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

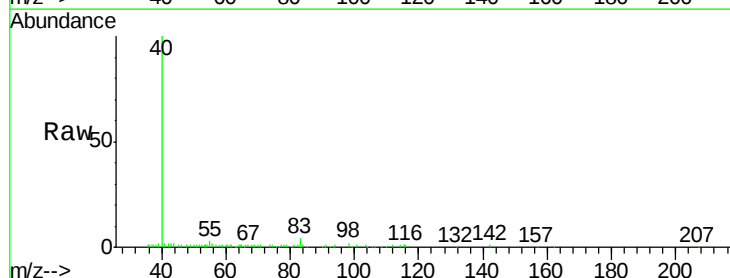
Tgt Ion: 83 Resp: 1330

Ion Ratio Lower Upper

83 100

55 44.0 36.0 108.0

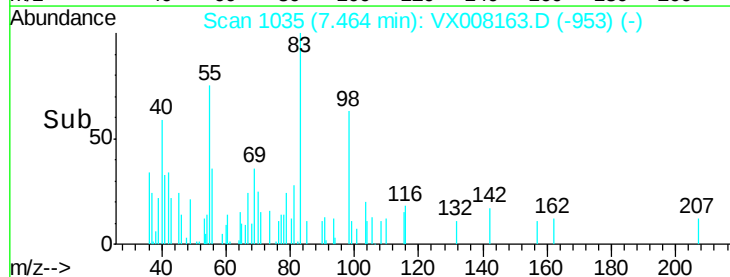
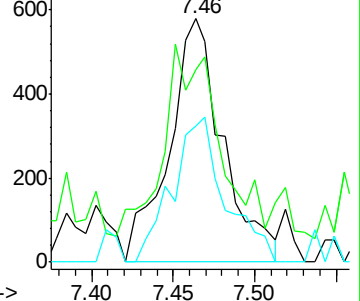
98 52.0 23.8 71.4

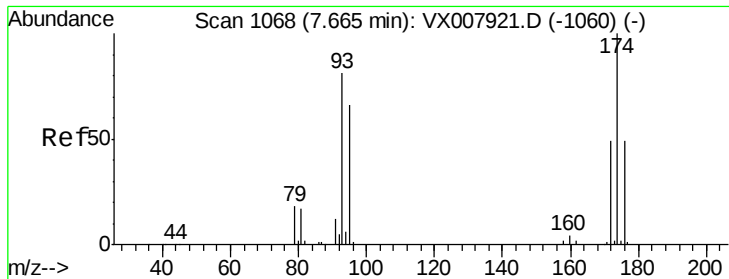


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Dibromomethane

Concen: 0.357 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampled :

IBLK

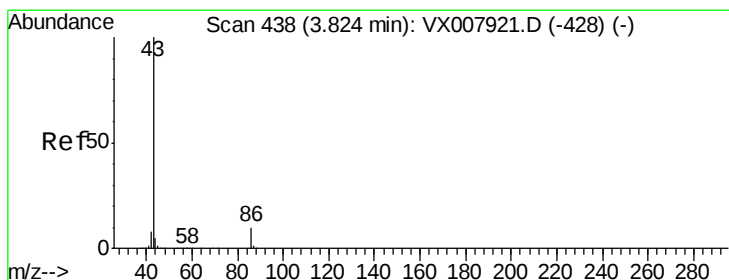
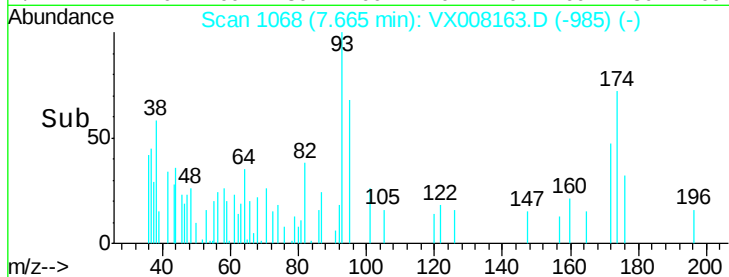
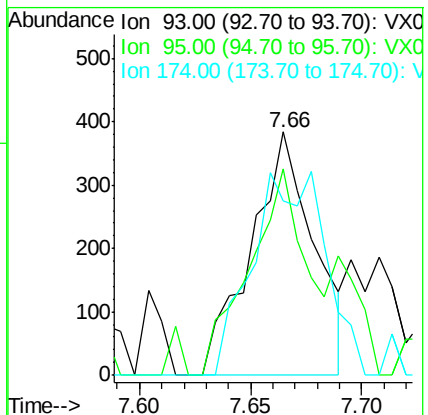
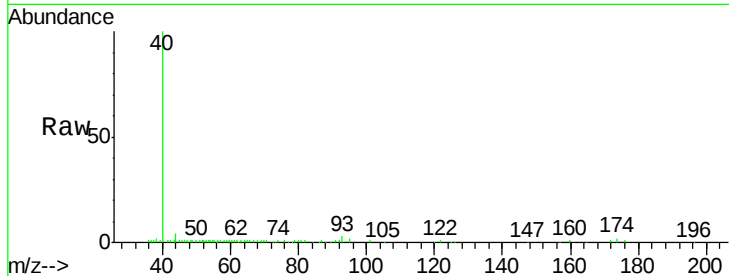
Tot Ion: 93 Resp: 753

Ion Ratio Lower Upper

93 100

95 77.6 0.0 158.8

174 63.1 0.0 224.2



#42

Vinyl Acetate

Concen: 0.452 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX008163.D

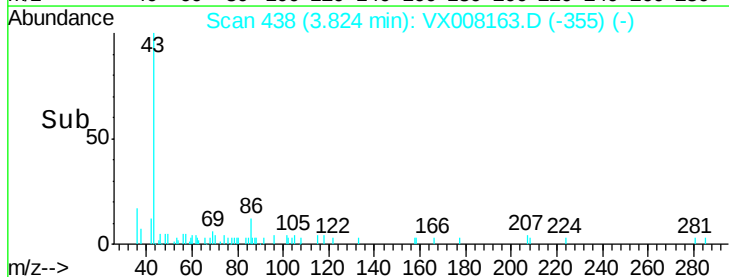
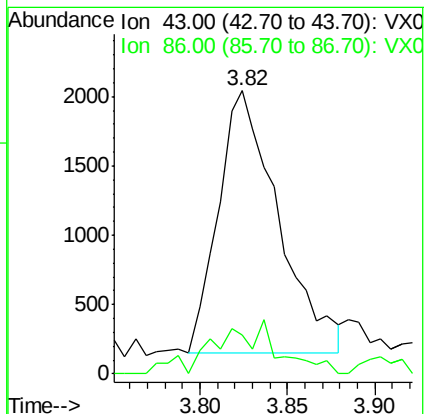
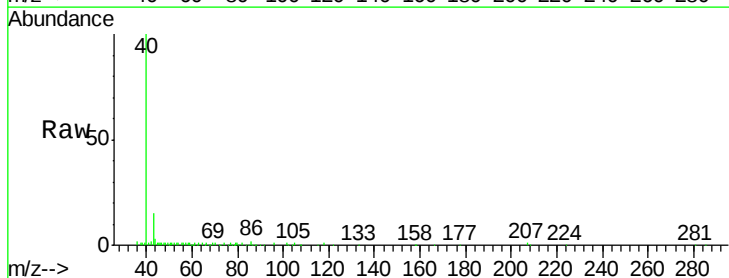
Acq: 18 Mar 2019 12:32

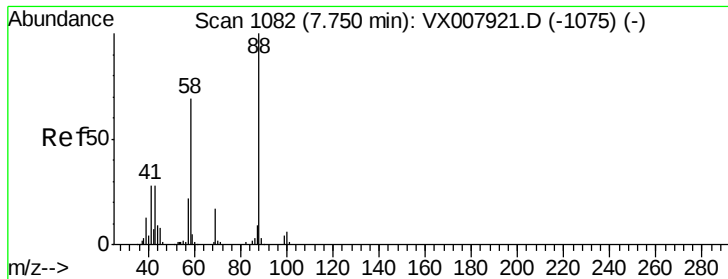
Tgt Ion: 43 Resp: 4508

Ion Ratio Lower Upper

43 100

86 6.4 8.2 12.2#





#45

1,4-Dioxane

Concen: 1.116 ug/l

RT: 7.71 min Scan# 1076

Delta R.T. -0.02 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampled :

IBLK

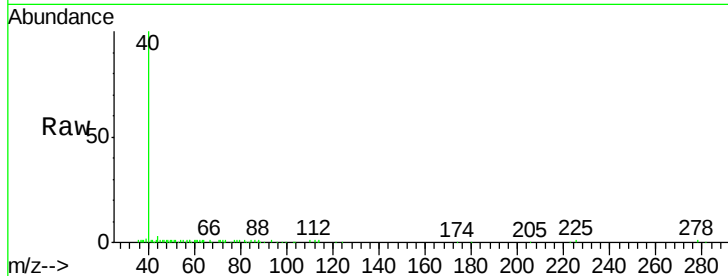
Tot Ion: 88 Resp: 85

Ion Ratio Lower Upper

88 100

43 142.4 23.6 35.4#

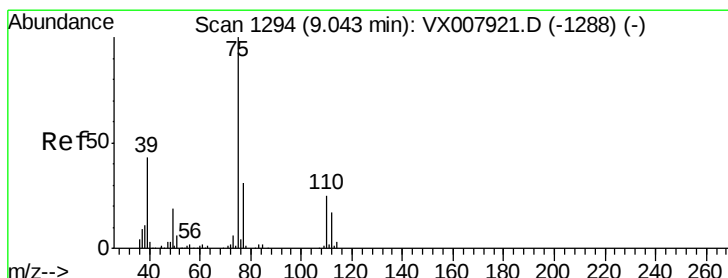
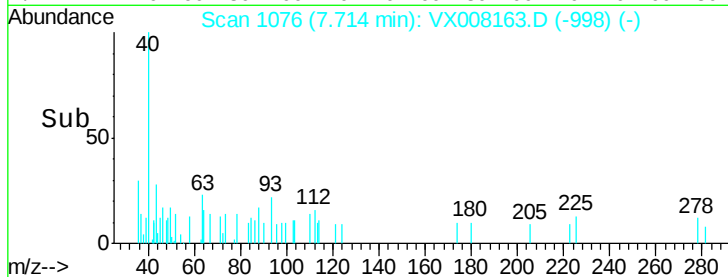
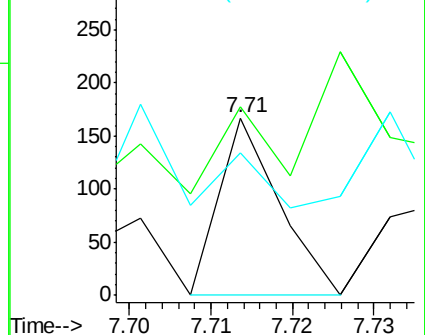
58 48.2 51.6 77.4#



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



#48

t-1,3-Dichloropropene

Concen: 0.287 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008163.D

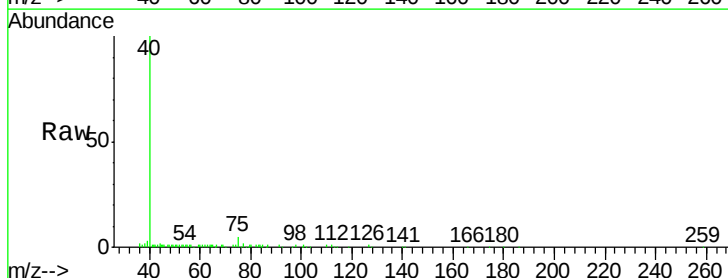
Acq: 18 Mar 2019 12:32

Tgt Ion: 75 Resp: 1292

Ion Ratio Lower Upper

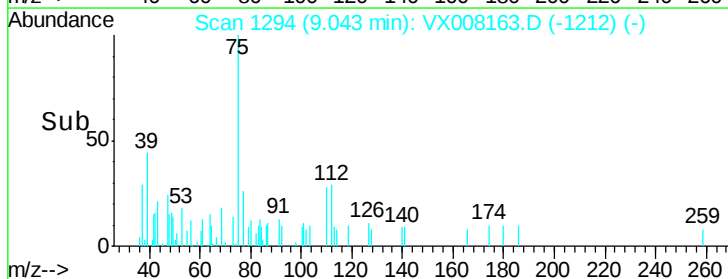
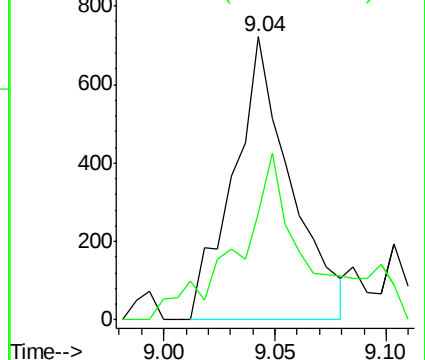
75 100

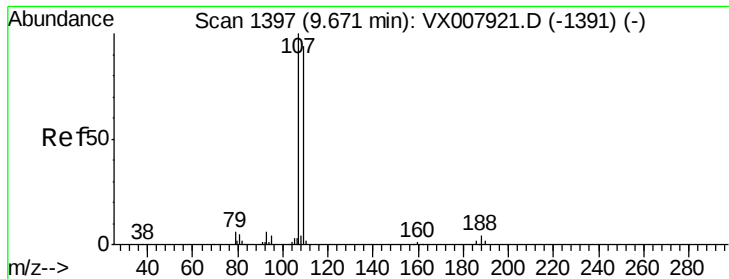
77 26.9 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#54

1,2-Dibromoethane

Concen: 0.268 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampled :

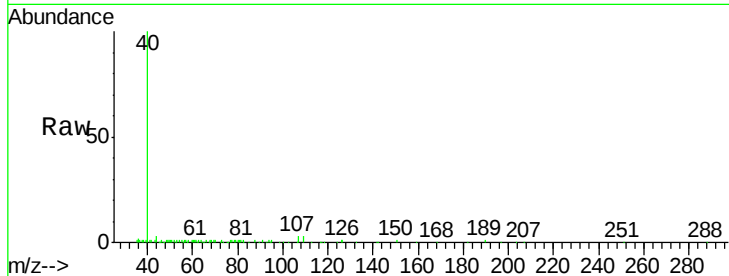
IBLK

Tot Ion:107 Resp: 847

Ion Ratio Lower Upper

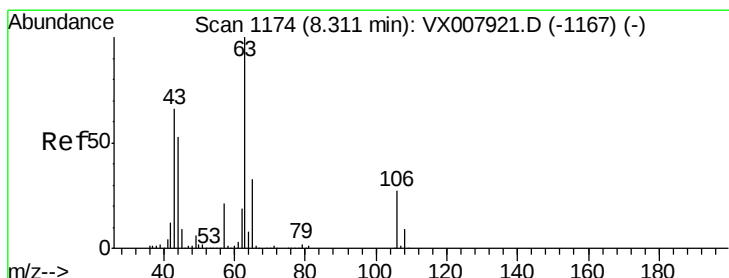
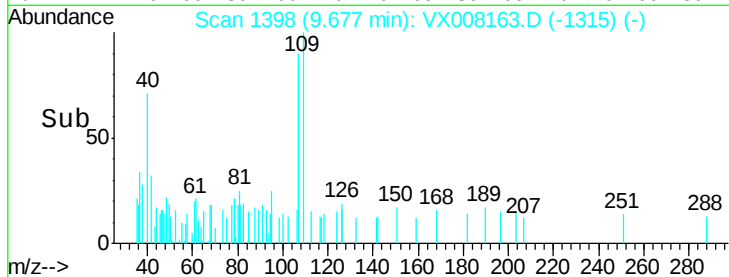
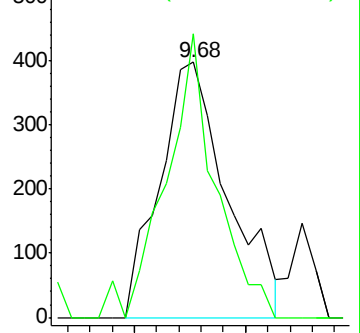
107 100

109 78.4 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#55

2-Chloroethyl vinyl ether

Concen: 0.435 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

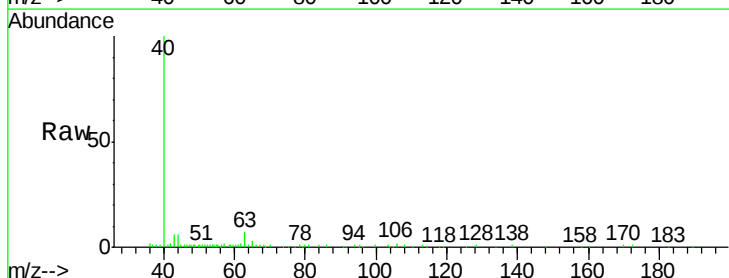
Tgt Ion: 63 Resp: 1520

Ion Ratio Lower Upper

63 100

65 42.8 25.7 38.5#

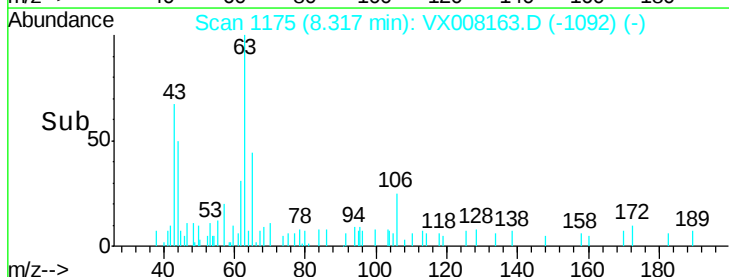
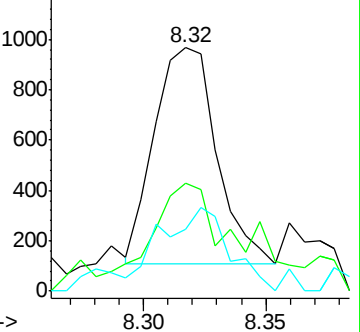
106 28.4 23.7 35.5

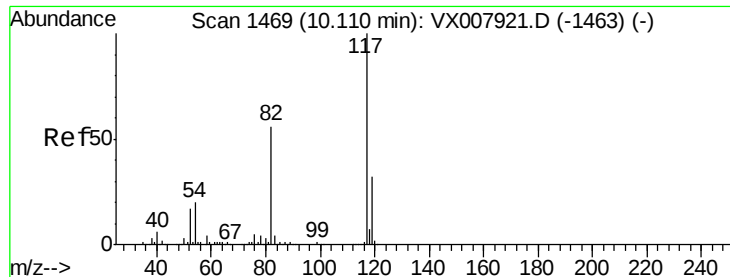


Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

Ion 106.00 (105.70 to 106.70): V

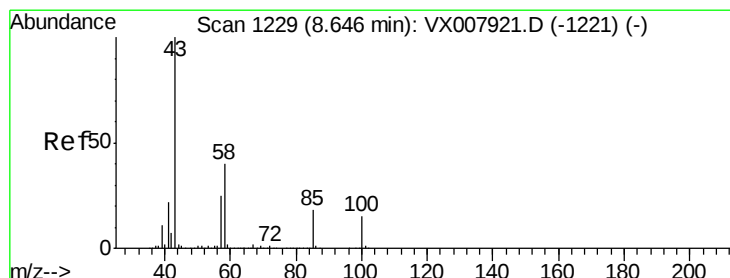
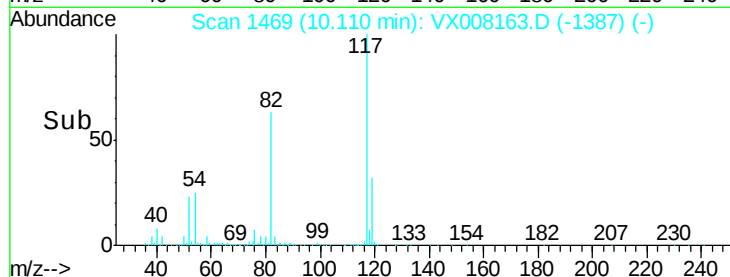
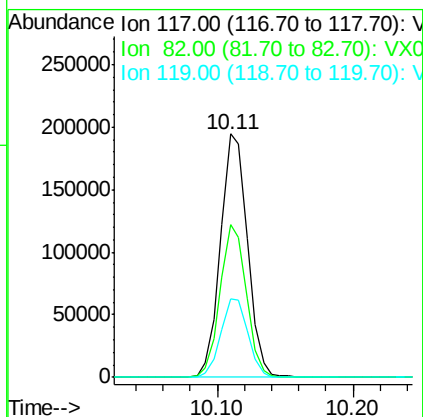
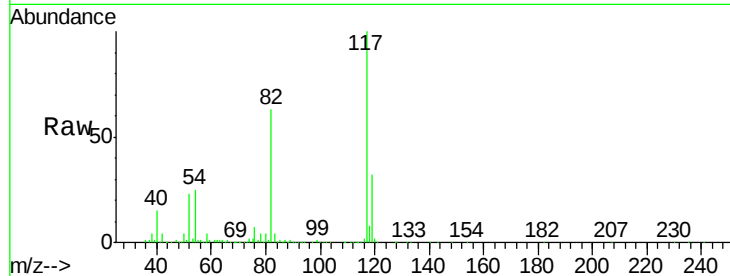




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008163.D
Acq: 18 Mar 2019 12:32

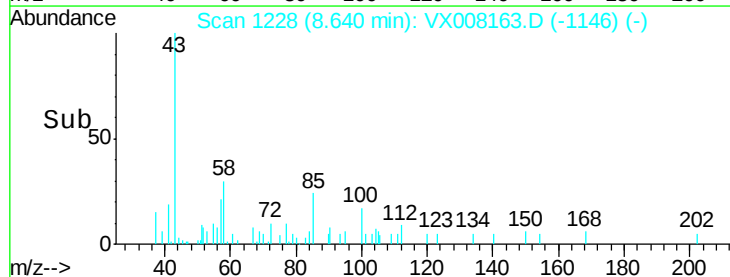
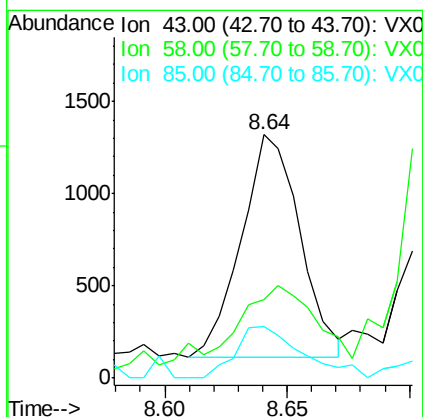
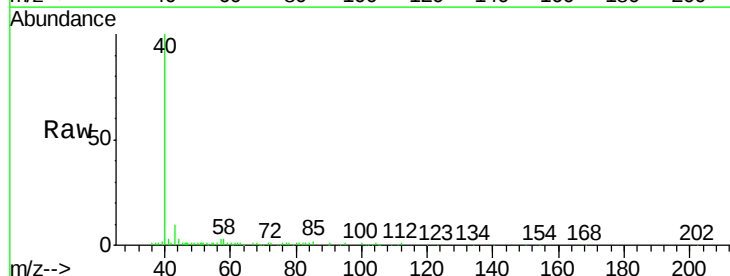
Instrument :
MSVOA_X
ClientSampled :
IBLK

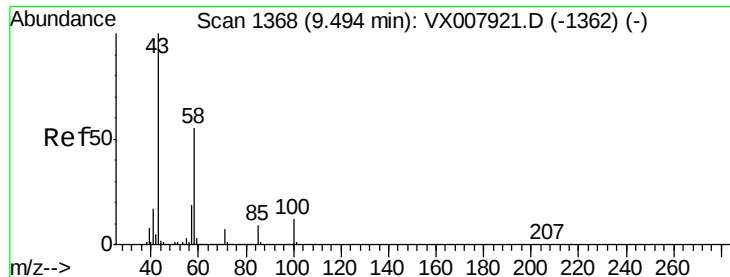
Tot Ion:117 Resp: 267672
Ion Ratio Lower Upper
117 100
82 61.1 40.4 60.6#
119 32.5 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 0.397 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008163.D
Acq: 18 Mar 2019 12:32

Tgt Ion: 43 Resp: 2030
Ion Ratio Lower Upper
43 100
58 39.4 31.4 47.0
85 25.0 15.0 22.6#

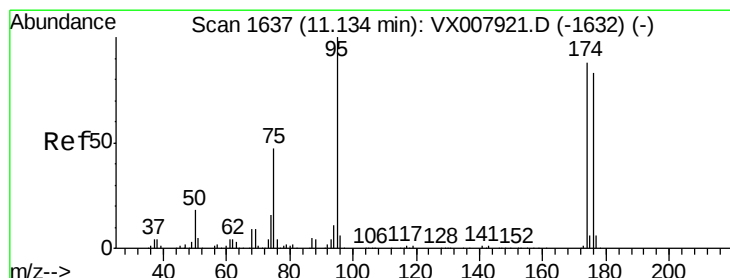
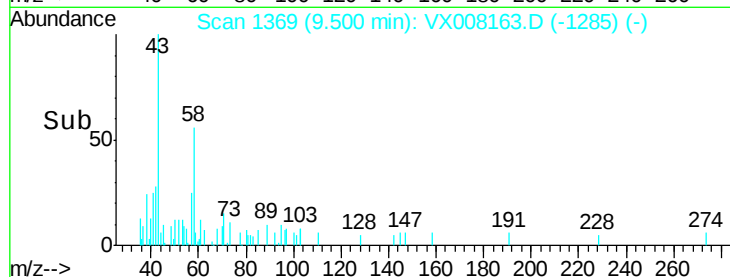
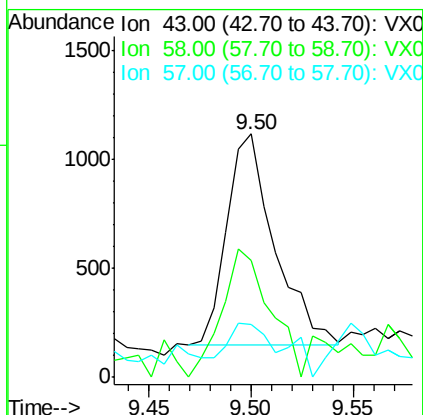
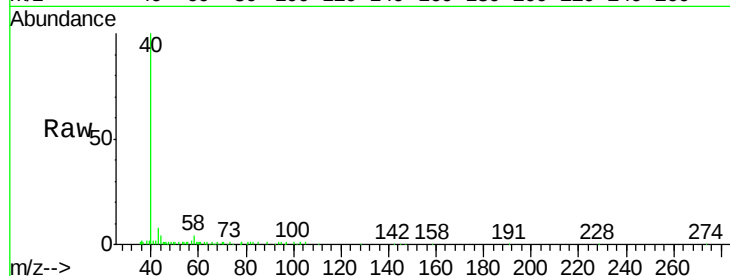




#59
2-Hexanone
Concen: 0.386 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX008163.D
Acq: 18 Mar 2019 12:32

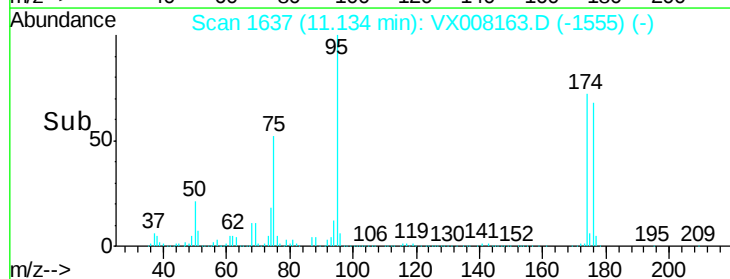
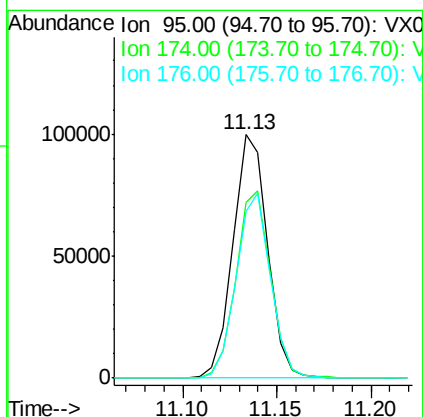
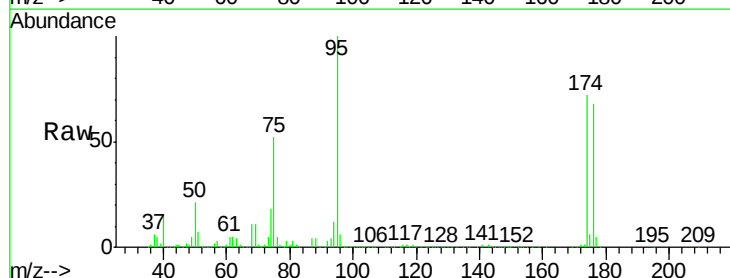
Instrument :
MSVOA_X
ClientSampleId :
IBLK

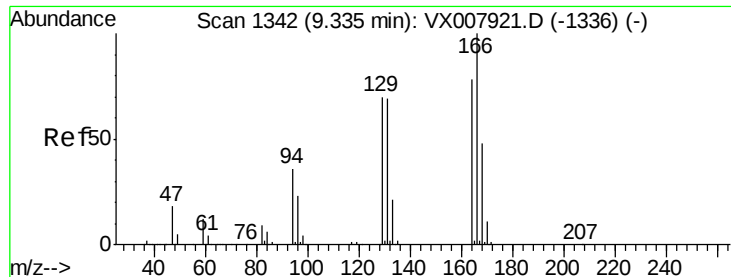
Tot Ion: 43 Resp: 1561
Ion Ratio Lower Upper
43 100
58 61.2 43.9 65.9
57 18.4 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 28.337 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008163.D
Acq: 18 Mar 2019 12:32

Tgt Ion: 95 Resp: 126588
Ion Ratio Lower Upper
95 100
174 77.0 74.9 112.3
176 75.4 70.7 106.1





#61

Tetrachloroethene

Concen: 0.402 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tot Ion:164 Resp: 1084

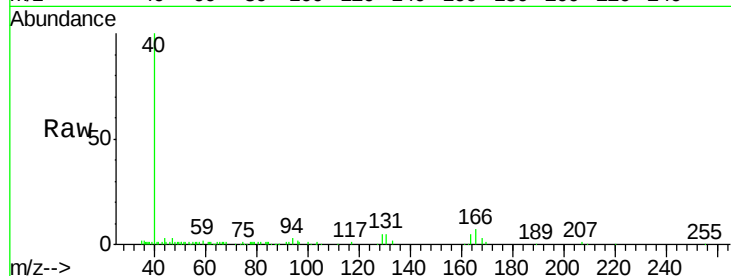
Ion Ratio Lower Upper

164 100

166 126.3 103.9 155.9

129 88.7 74.7 112.1

131 89.8 71.7 107.5

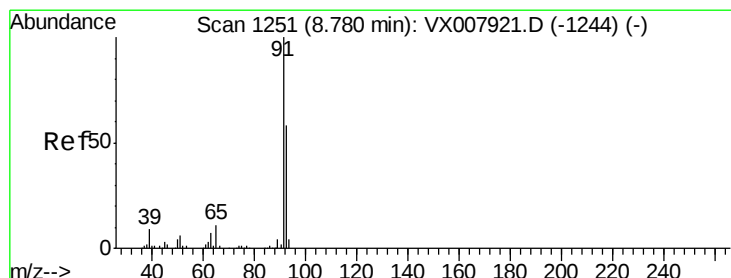
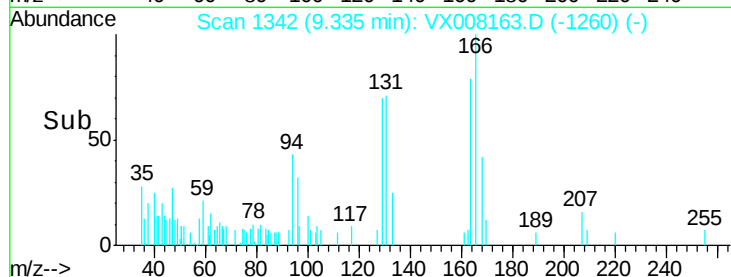
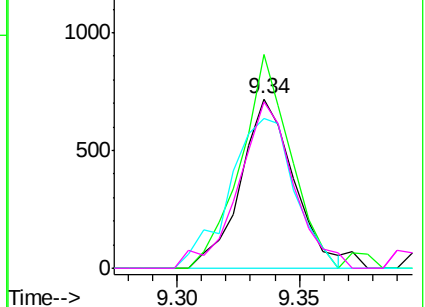


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 0.218 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008163.D

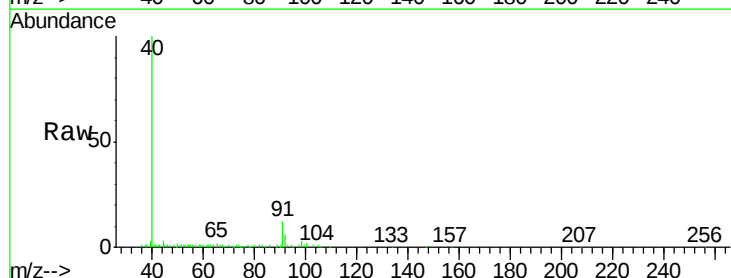
Acq: 18 Mar 2019 12:32

Tgt Ion: 91 Resp: 2766

Ion Ratio Lower Upper

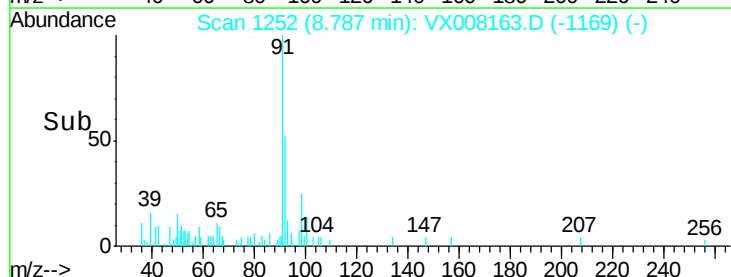
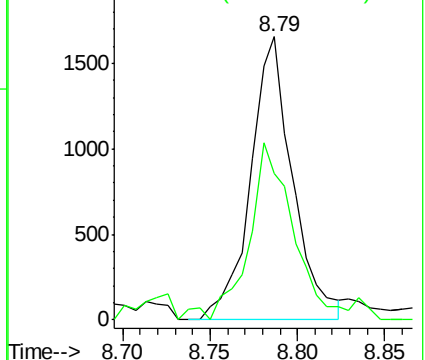
91 100

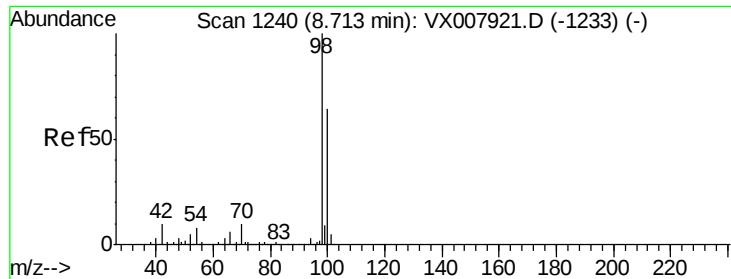
92 64.5 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.512 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

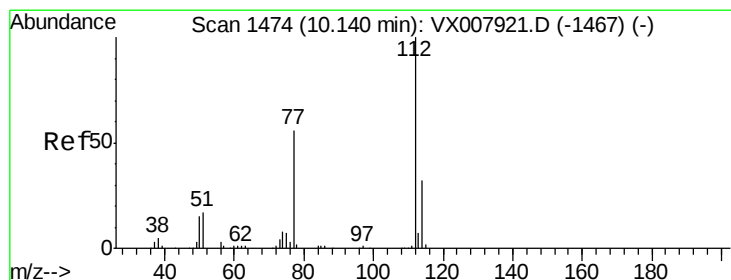
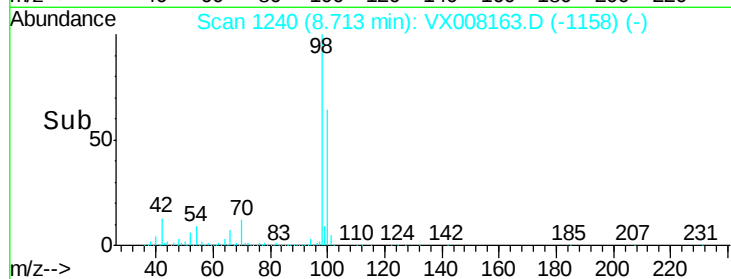
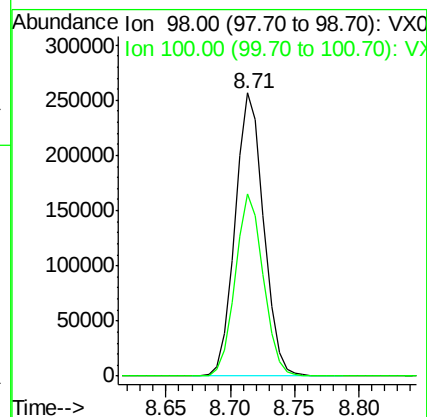
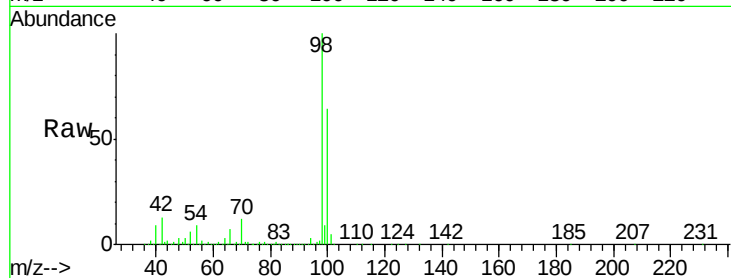
IBLK

Tot Ion: 98 Resp: 396820

Ion Ratio Lower Upper

98 100

100 63.1 50.9 76.3



#64

Chlorobenzene

Concen: 0.334 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX008163.D

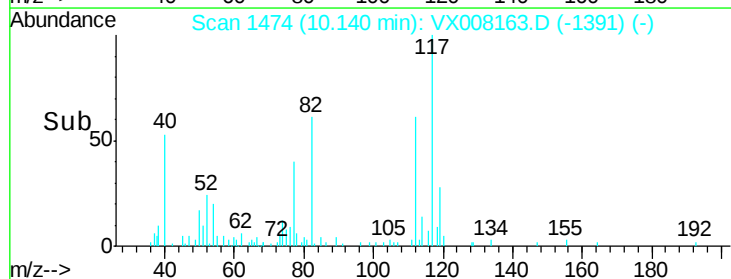
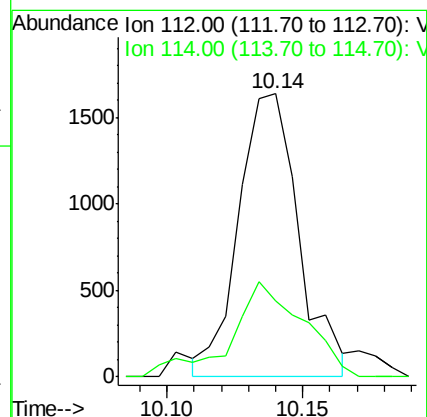
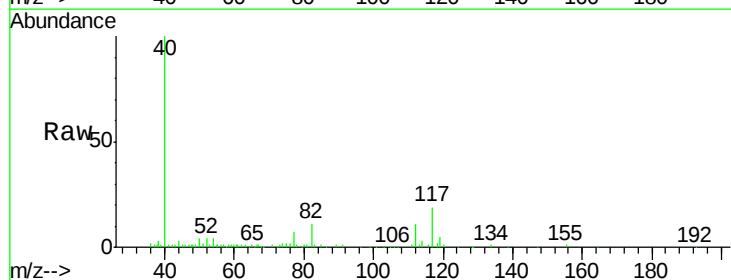
Acq: 18 Mar 2019 12:32

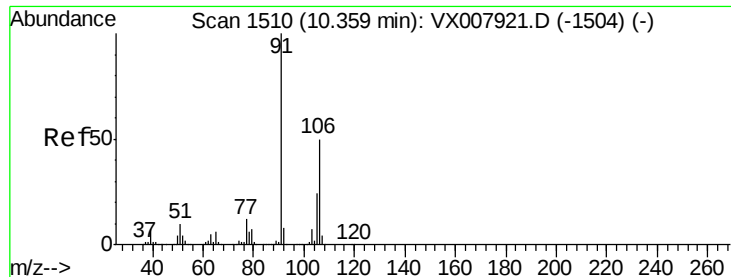
Tgt Ion: 112 Resp: 2513

Ion Ratio Lower Upper

112 100

114 25.4 25.4 38.2#





#67

m/p-Xylenes

Concen: 0.484 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

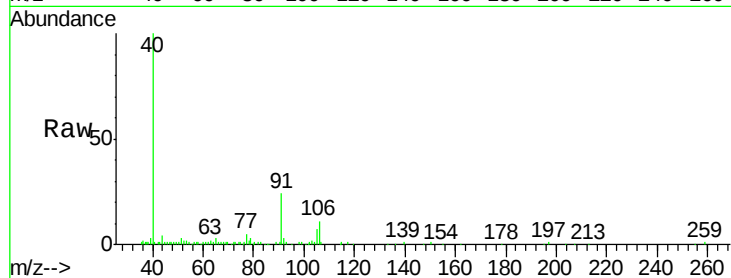
IBLK

Tot Ion:106 Resp: 2418

Ion Ratio Lower Upper

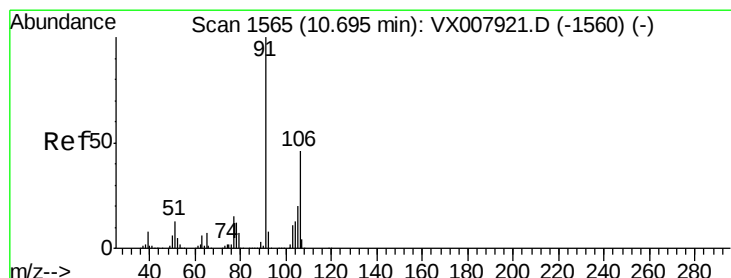
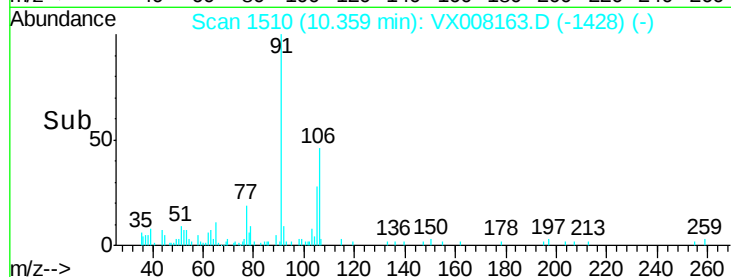
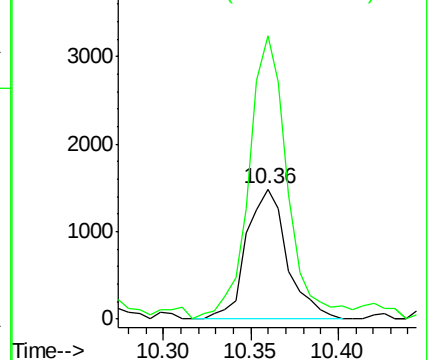
106 100

91 206.4 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 0.214 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX008163.D

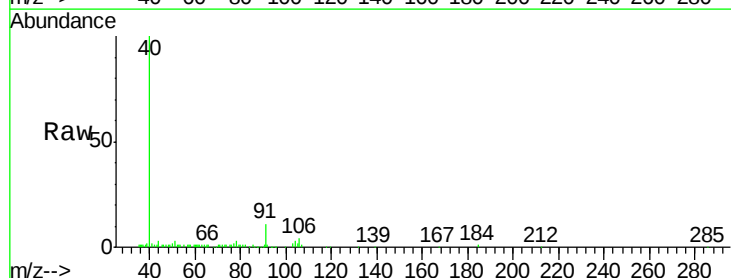
Acq: 18 Mar 2019 12:32

Tgt Ion:106 Resp: 1026

Ion Ratio Lower Upper

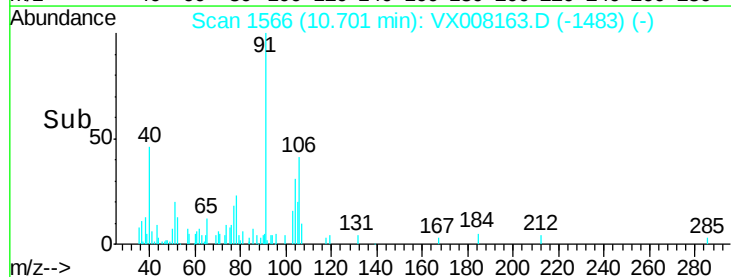
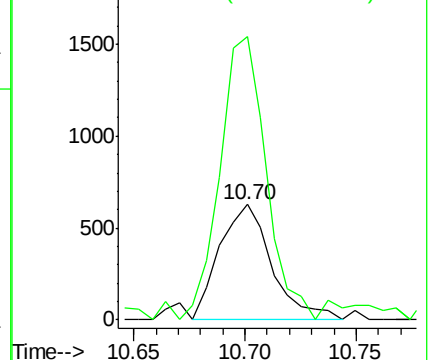
106 100

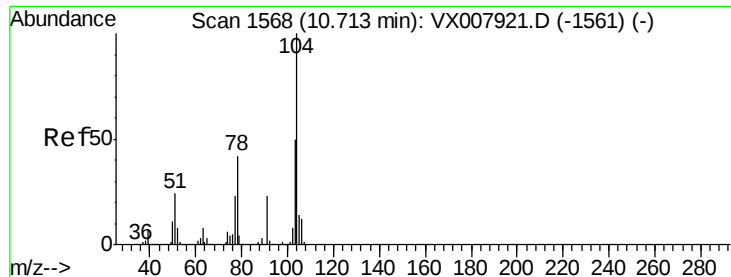
91 215.1 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69

Stvrene

Concen: 0.226 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

IBLK

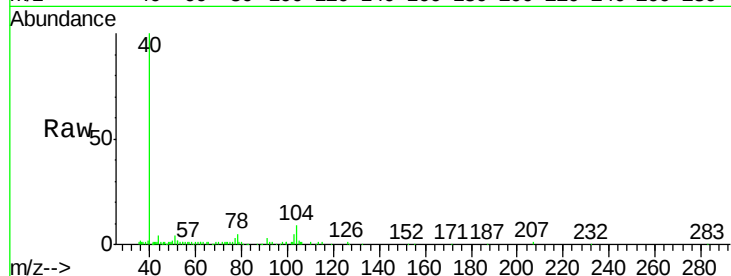
Tot Ion:104 Resp: 1768

Ion Ratio Lower Upper

104 100

78 68.3 38.2 57.2#

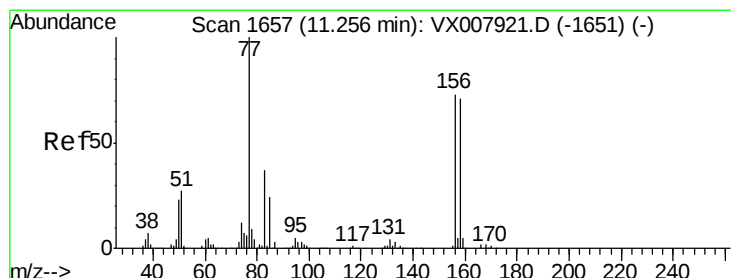
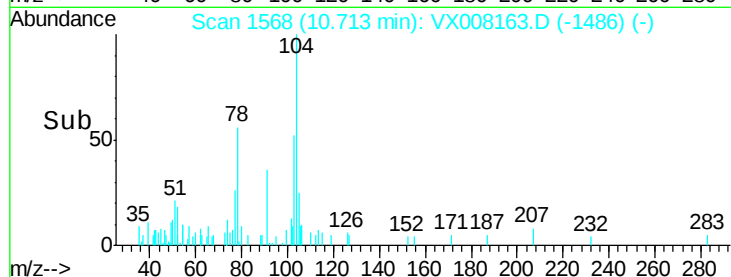
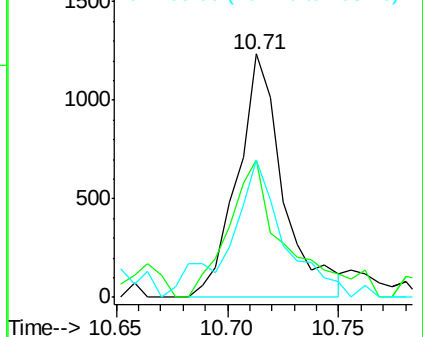
103 56.1 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#73

Bromobenzene

Concen: 0.353 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

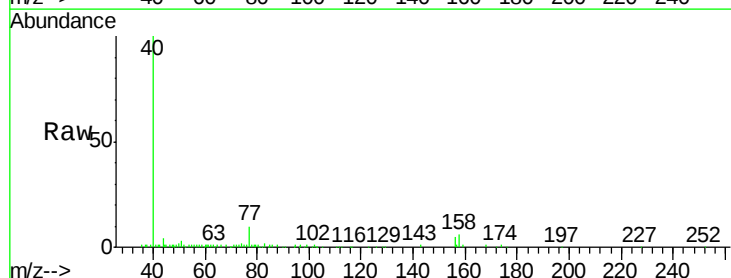
Tgt Ion:156 Resp: 1083

Ion Ratio Lower Upper

156 100

77 173.4 0.0 271.4

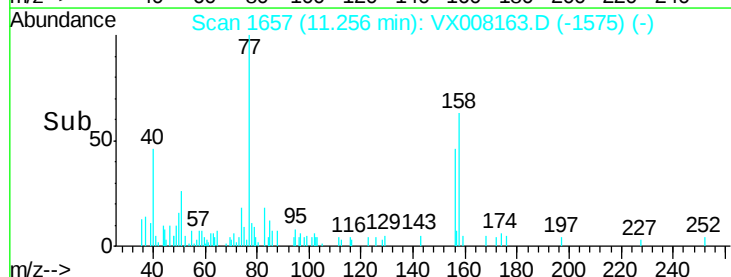
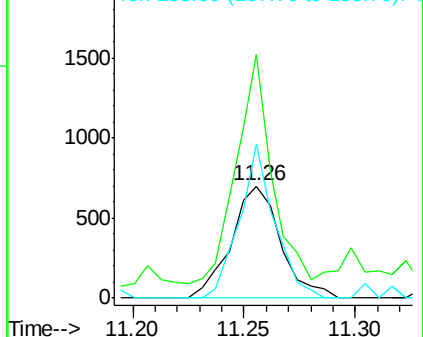
158 98.5 0.0 194.0

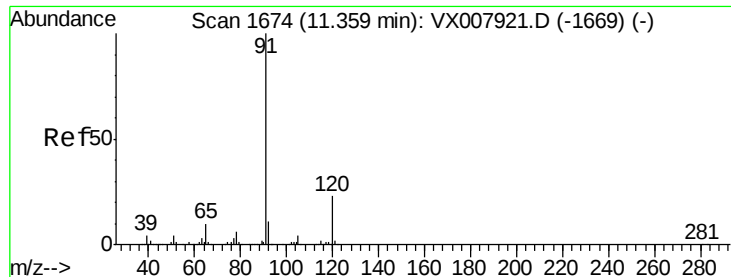


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V





#74

n-propylbenzene

Concen: 0.258 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

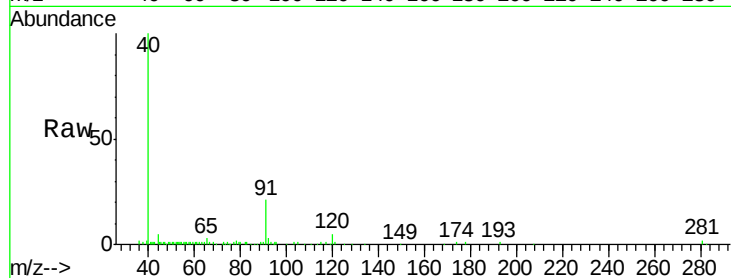
IBLK

Tot Ion: 91 Resp: 3957

Ion Ratio Lower Upper

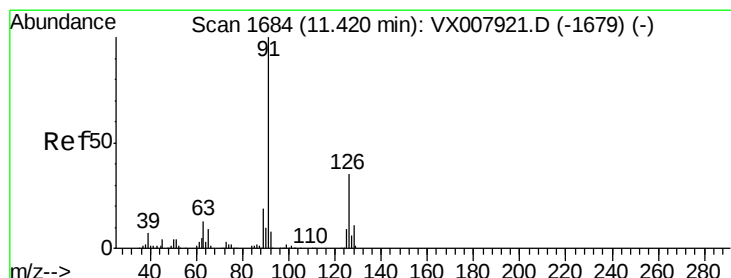
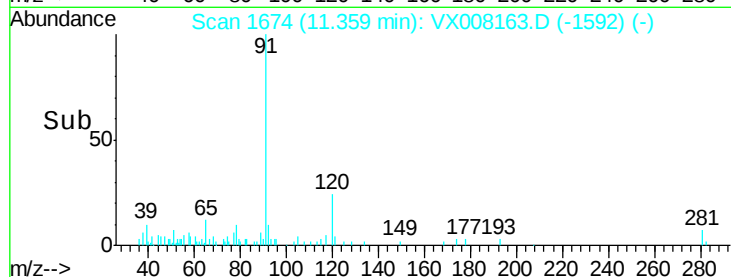
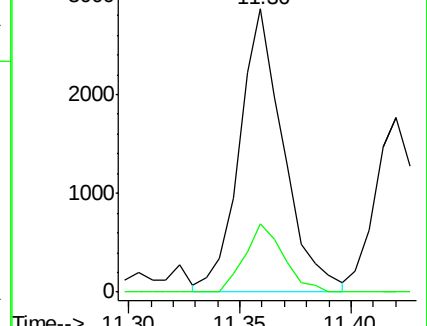
91 100

120 21.2 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 0.278 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008163.D

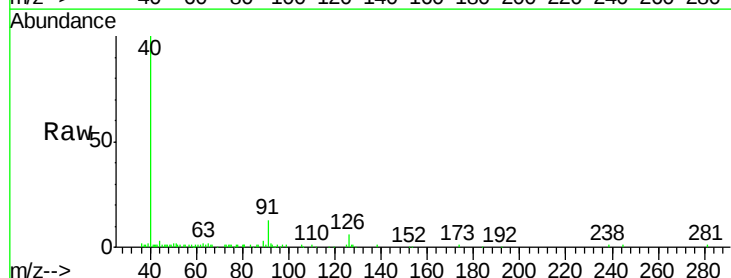
Acq: 18 Mar 2019 12:32

Tgt Ion: 91 Resp: 2500

Ion Ratio Lower Upper

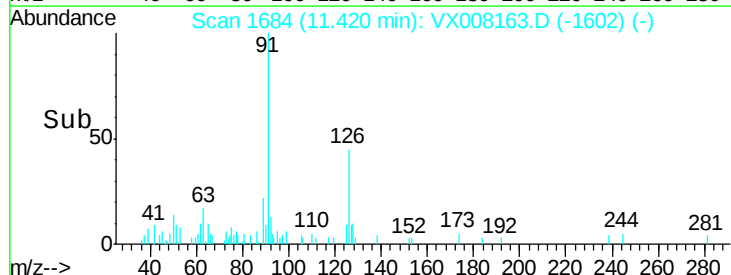
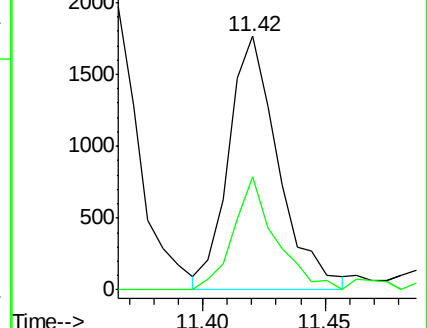
91 100

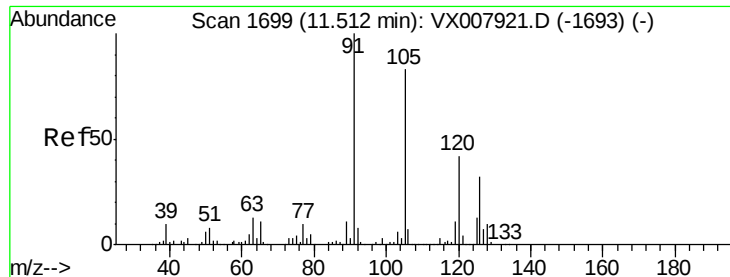
126 37.4 0.0 75.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

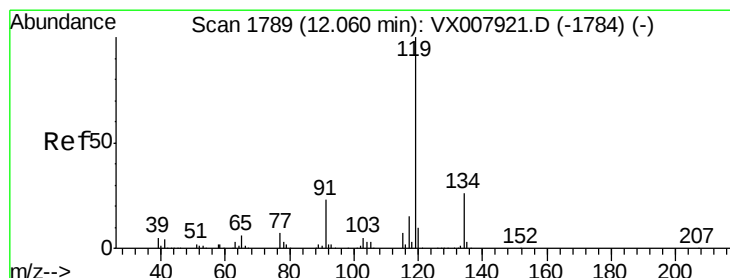
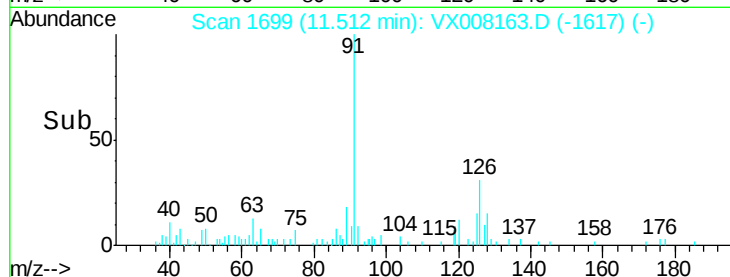
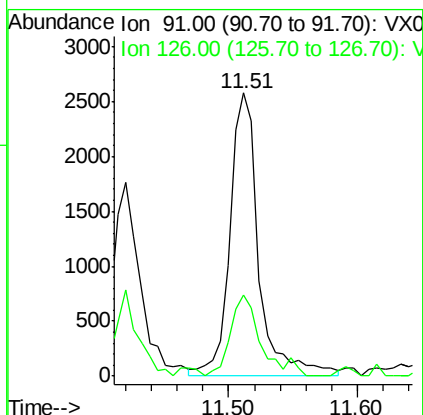
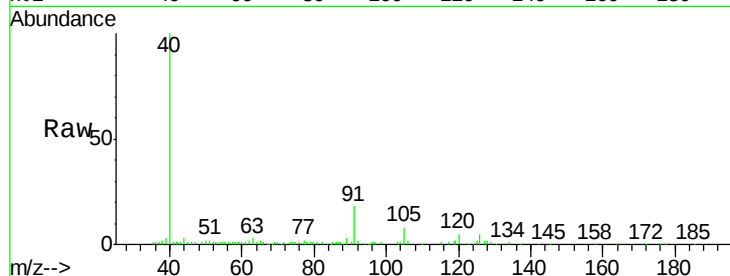




#78
4-Chlorotoluene
Concen: 0.391 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008163.D
Acq: 18 Mar 2019 12:32

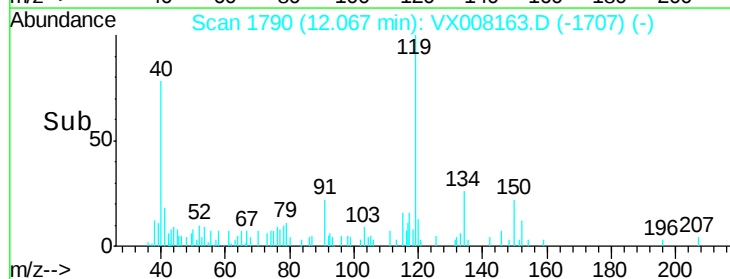
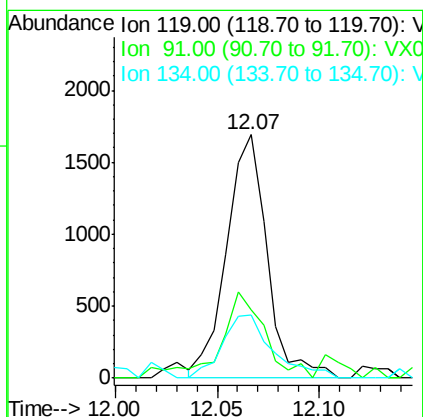
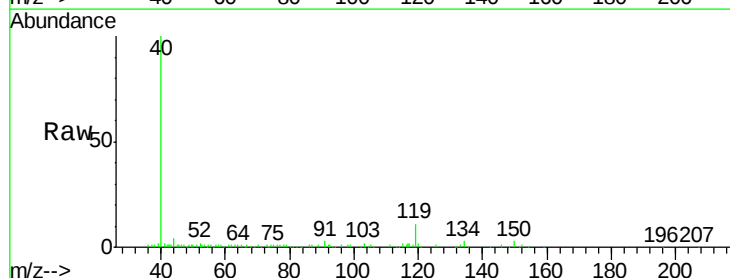
Instrument :
MSVOA_X
ClientSampleId :
IBLK

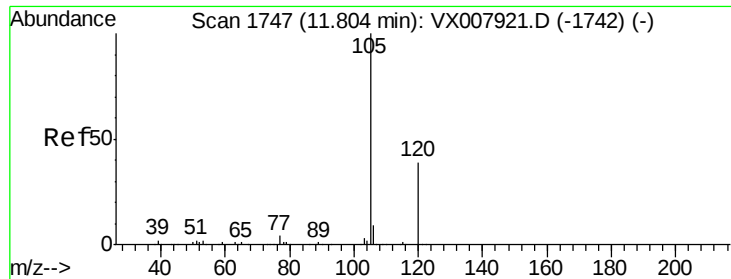
Tot Ion: 91 Resp: 4058
Ion Ratio Lower Upper
91 100
126 28.0 0.0 66.2



#79
tert-butylbenzene
Concen: 0.213 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.01 min
Lab File: VX008163.D
Acq: 18 Mar 2019 12:32

Tgt Ion: 119 Resp: 2326
Ion Ratio Lower Upper
119 100
91 33.4 0.0 45.0
134 32.5 0.0 55.4





#80

1,2,4-Trimethylbenzene

Concen: 0.211 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

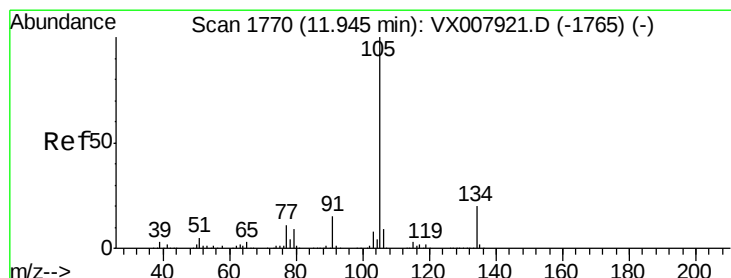
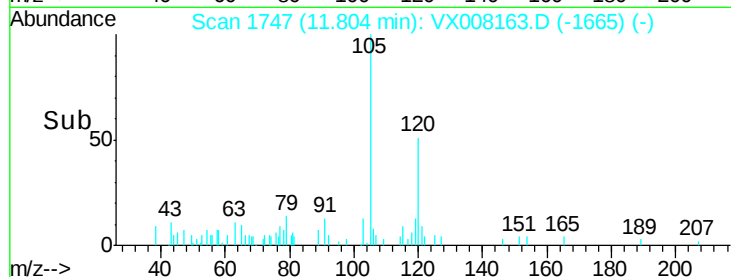
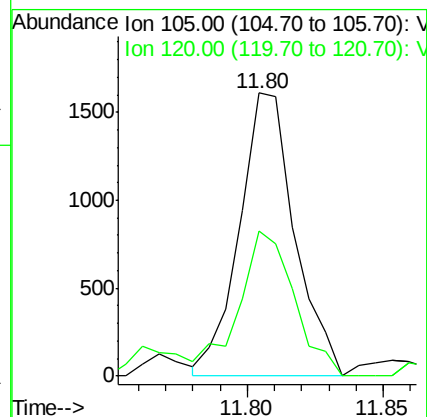
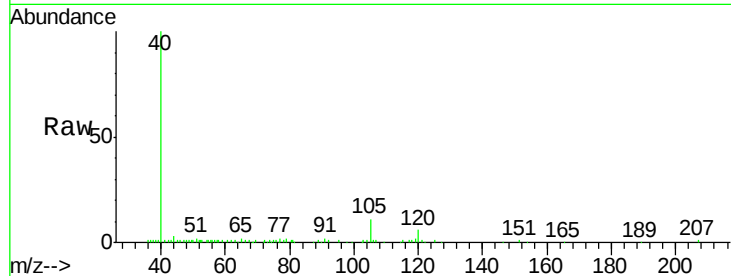
IBLK

Tot Ion:105 Resp: 2275

Ion Ratio Lower Upper

105 100

120 51.2 0.0 94.0



#81

sec-Butylbenzene

Concen: 0.228 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008163.D

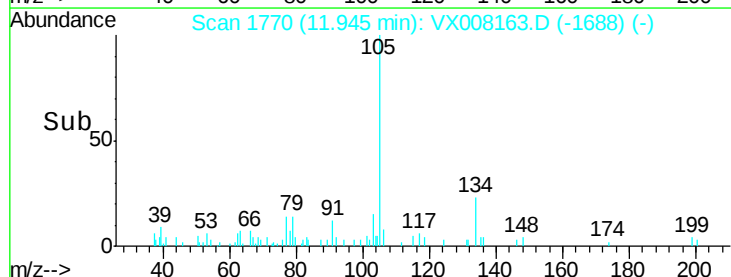
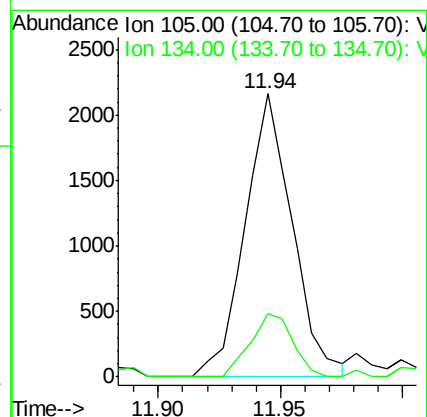
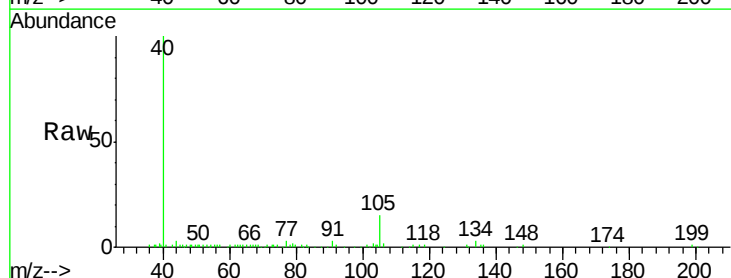
Acq: 18 Mar 2019 12:32

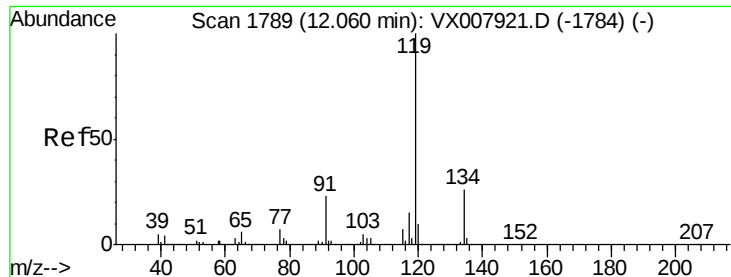
Tgt Ion:105 Resp: 2919

Ion Ratio Lower Upper

105 100

134 19.9 0.0 41.8





#82

p-Isopropyltoluene

Concen: 0.213 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

IBLK

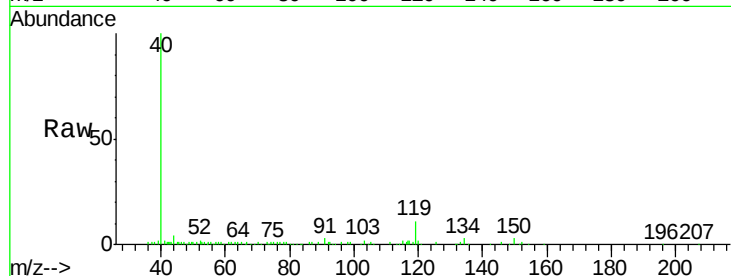
Tot Ion:119 Resp: 2326

Ion Ratio Lower Upper

119 100

134 32.5 0.0 55.4

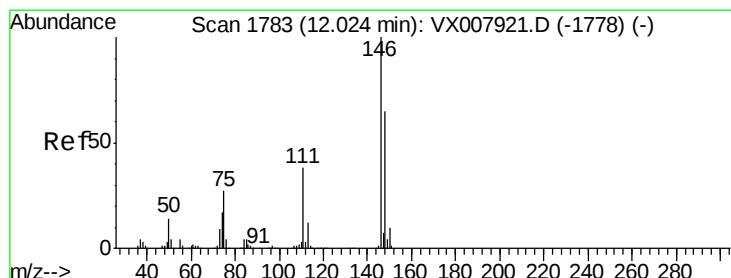
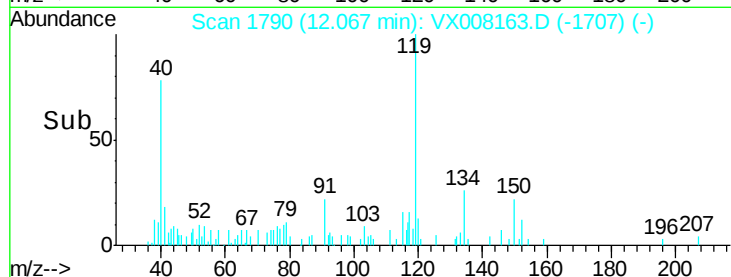
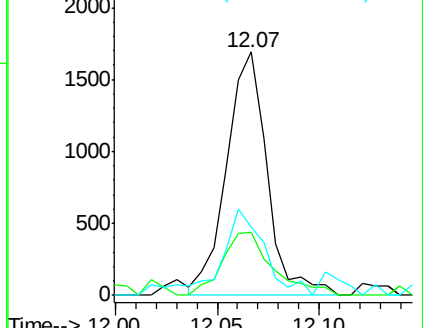
91 33.4 0.0 45.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#83

1,3-Dichlorobenzene

Concen: 0.460 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

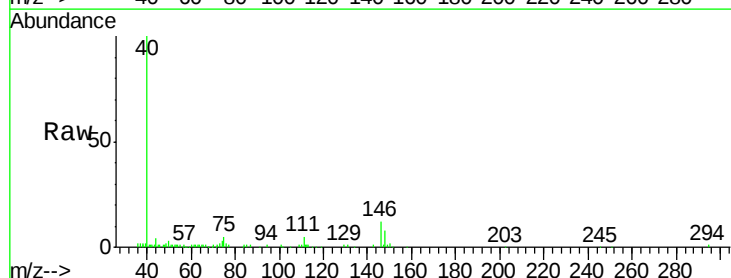
Tgt Ion:146 Resp: 2528

Ion Ratio Lower Upper

146 100

111 43.2 18.8 56.3

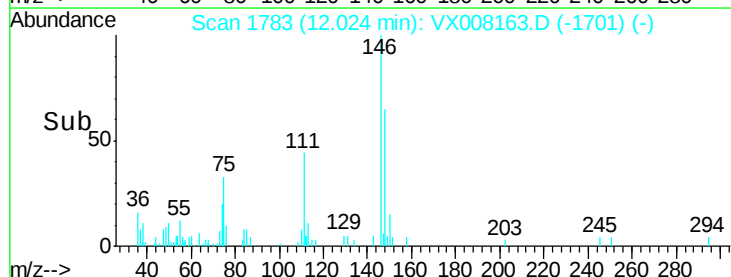
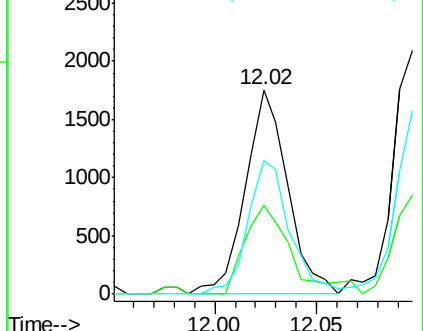
148 65.1 30.6 91.8

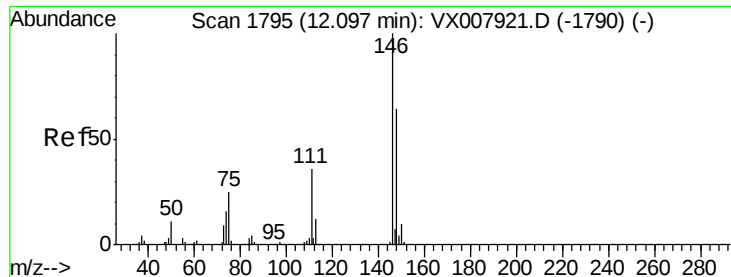


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#84

1,4-Dichlorobenzene

Concen: 0.493 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampled :

IBLK

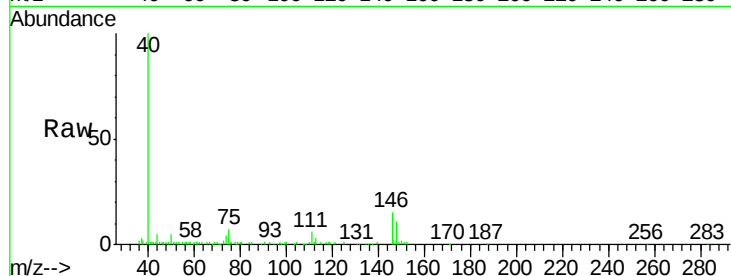
Tot Ion:146 Resp: 2686

Ion Ratio Lower Upper

146 100

111 45.5 17.6 52.8

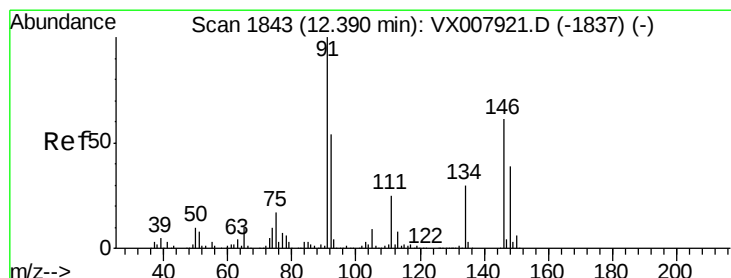
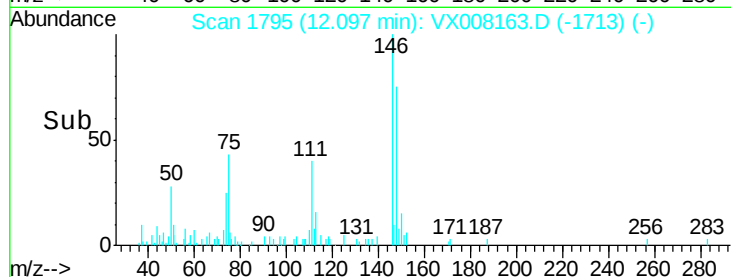
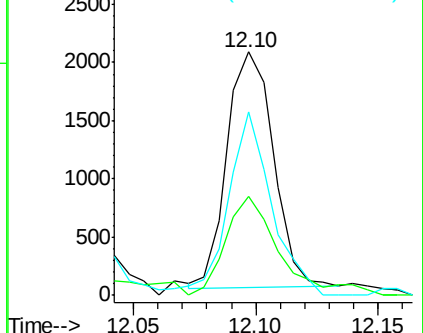
148 72.9 31.4 94.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 0.324 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

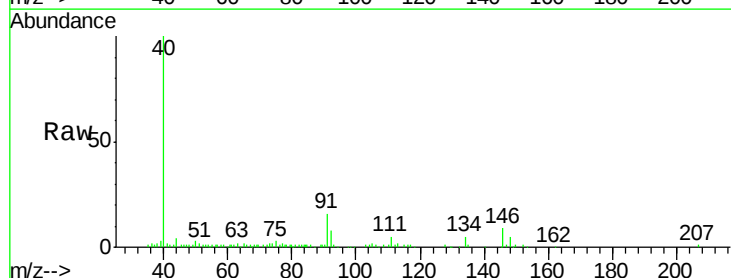
Tgt Ion: 91 Resp: 3325

Ion Ratio Lower Upper

91 100

92 52.2 0.0 105.2

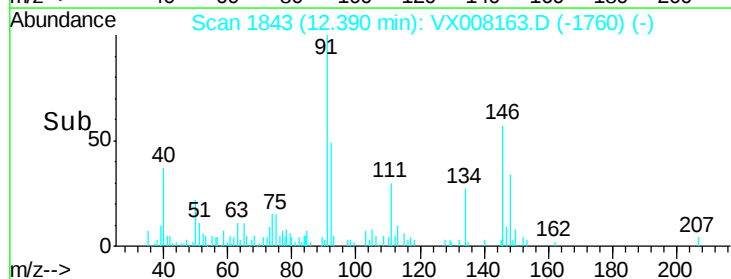
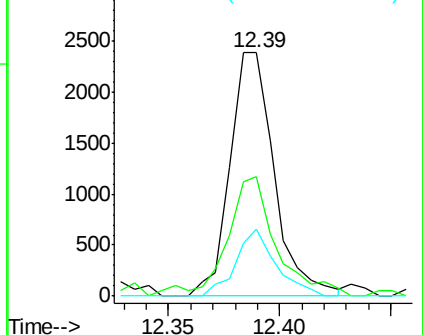
134 24.8 0.0 56.4

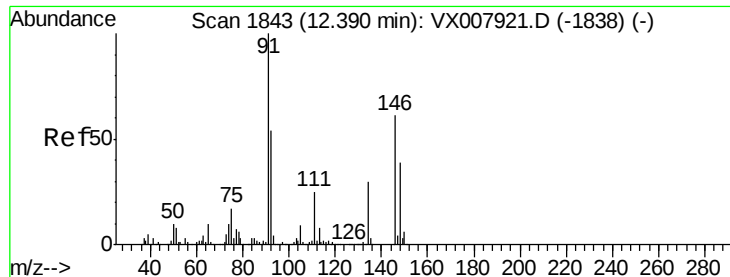


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

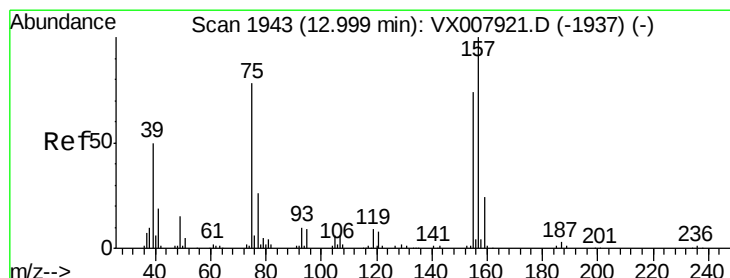
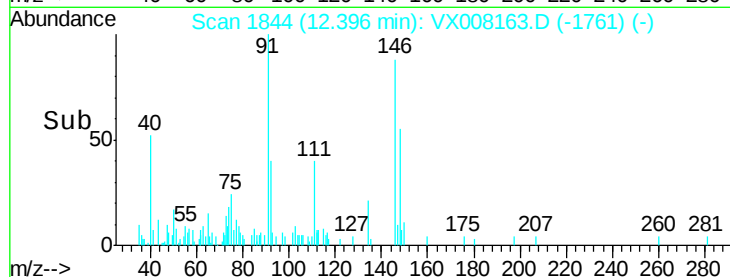
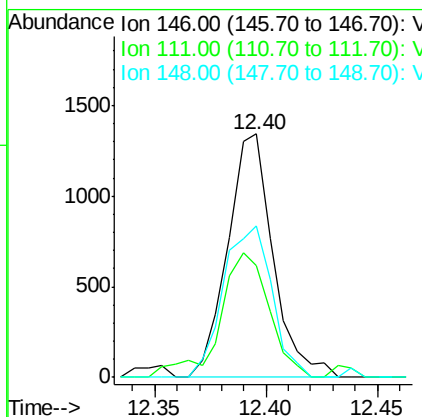
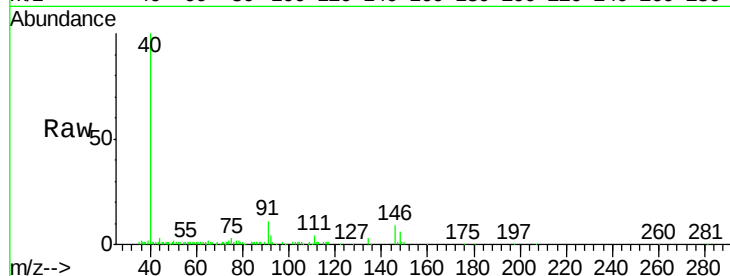




#87
 1,2-Dichlorobenzene
 Concen: 0.350 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX008163.D
 Acq: 18 Mar 2019 12:32

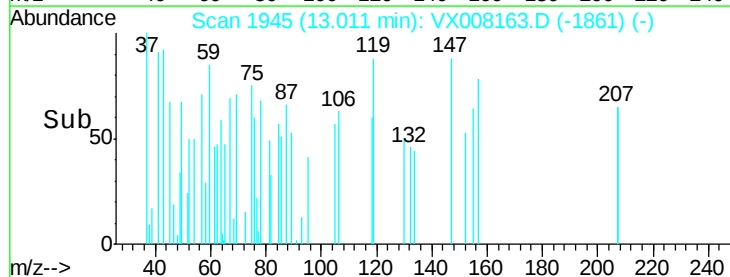
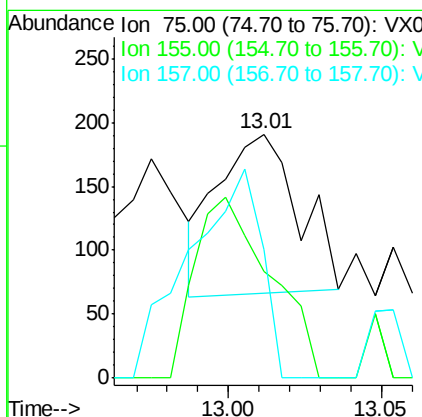
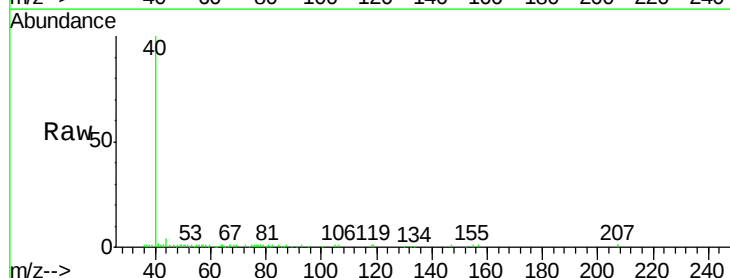
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

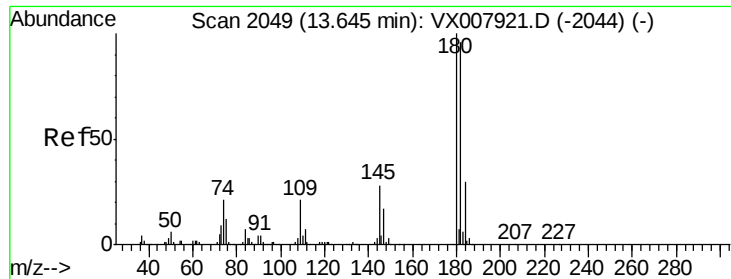
Tot Ion:146 Resp: 1915
 Ion Ratio Lower Upper
 146 100
 111 49.9 19.3 57.8
 148 66.0 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.231 ug/l
 RT: 13.01 min Scan# 1945
 Delta R.T. 0.01 min
 Lab File: VX008163.D
 Acq: 18 Mar 2019 12:32

Tgt Ion: 75 Resp: 232
 Ion Ratio Lower Upper
 75 100
 155 104.7 81.0 121.6
 157 115.1 103.2 154.8





#89

1,2,4-Trichlorobenzene

Concen: 0.770 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

Instrument :

MSVOA_X

ClientSampled :

IBLK

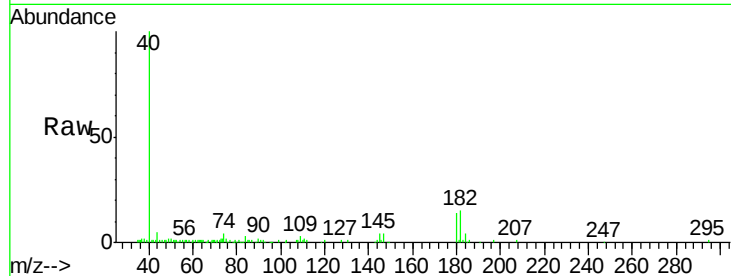
Tot Ion:180 Resp: 2745

Ion Ratio Lower Upper

180 100

182 94.7 75.6 113.4

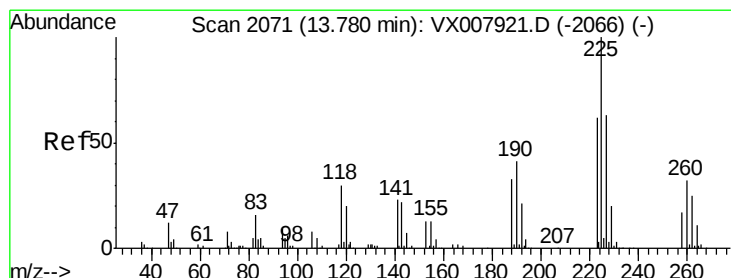
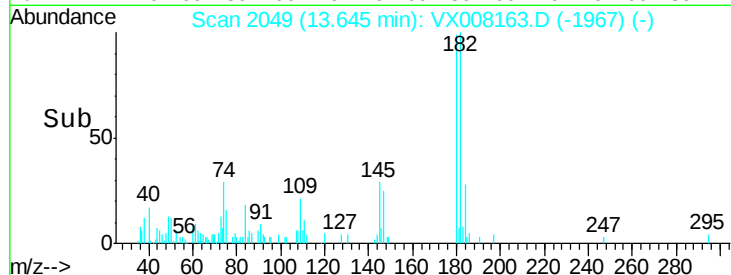
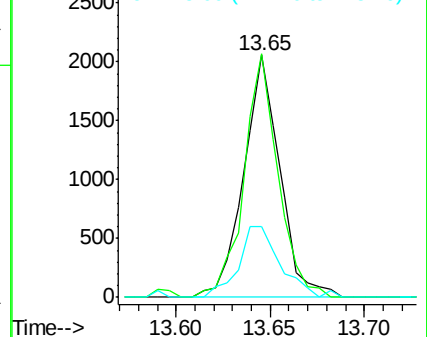
145 33.0 23.0 34.6



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



#90

Hexachlorobutadiene

Concen: 0.442 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX008163.D

Acq: 18 Mar 2019 12:32

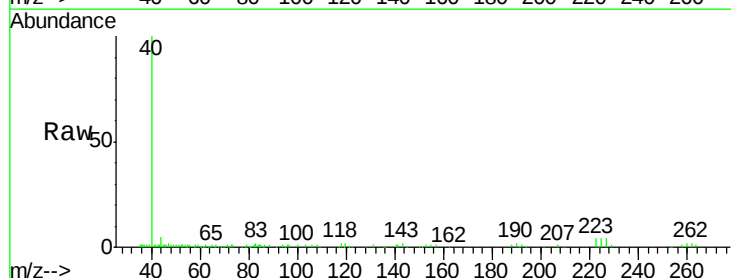
Tgt Ion:225 Resp: 818

Ion Ratio Lower Upper

225 100

223 77.6 0.0 123.8

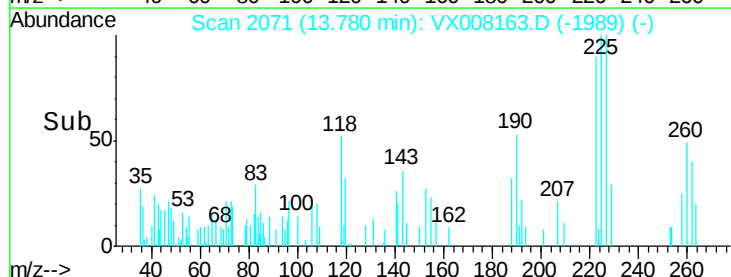
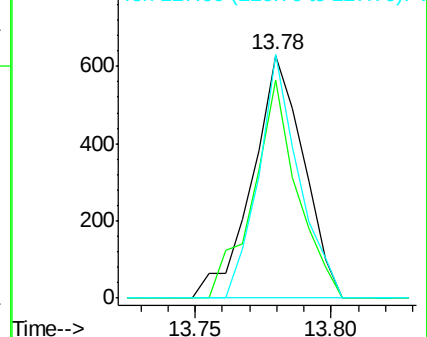
227 79.1 0.0 124.4

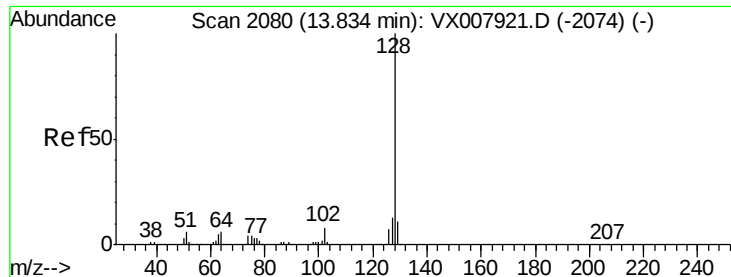


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

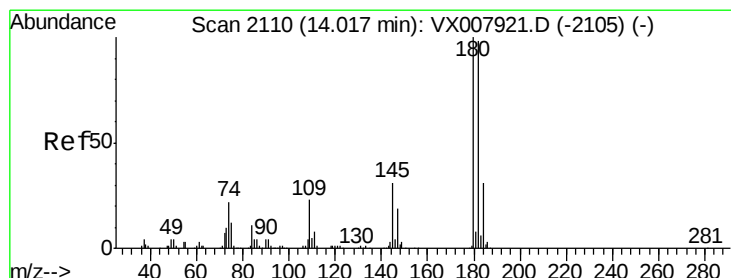
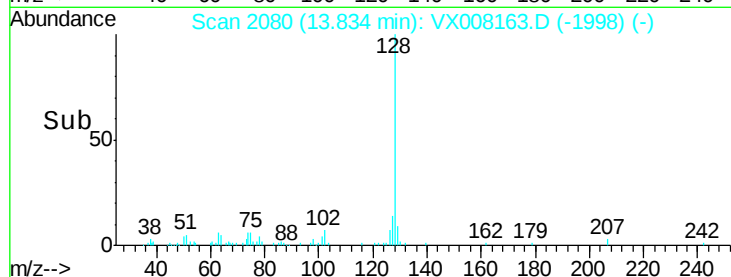
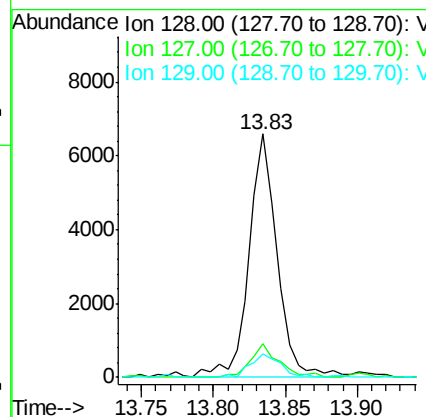
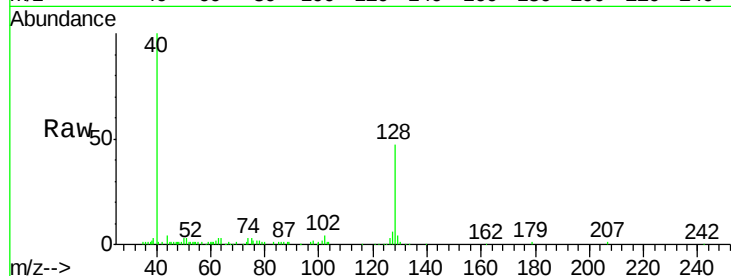




#91
Naphthalene
Concen: 0.772 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008163.D
Acq: 18 Mar 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tot Ion:128 Resp: 8913
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 9.6 8.9 13.3



#92
1,2,3-Trichlorobenzene
Concen: 0.782 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008163.D
Acq: 18 Mar 2019 12:32

Tgt Ion:180 Resp: 2785
Ion Ratio Lower Upper
180 100
182 86.9 0.0 193.0
145 30.7 0.0 63.0

