

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071019\
 Data File : VX010780.D
 Acq On : 10 Jul 2019 16:23
 Operator : JC/SP
 Sample : K3733-07RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-01-190709

Quant Time: Jul 11 01:16:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	209331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	329254	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	301478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139087	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	106272	54.15	ug/l	0.00
Spiked Amount			Recovery	=	108.30%	
35) Dibromofluoromethane	5.50	113	101853	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
50) Toluene-d8	8.71	98	387383	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	11.13	95	131741	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	

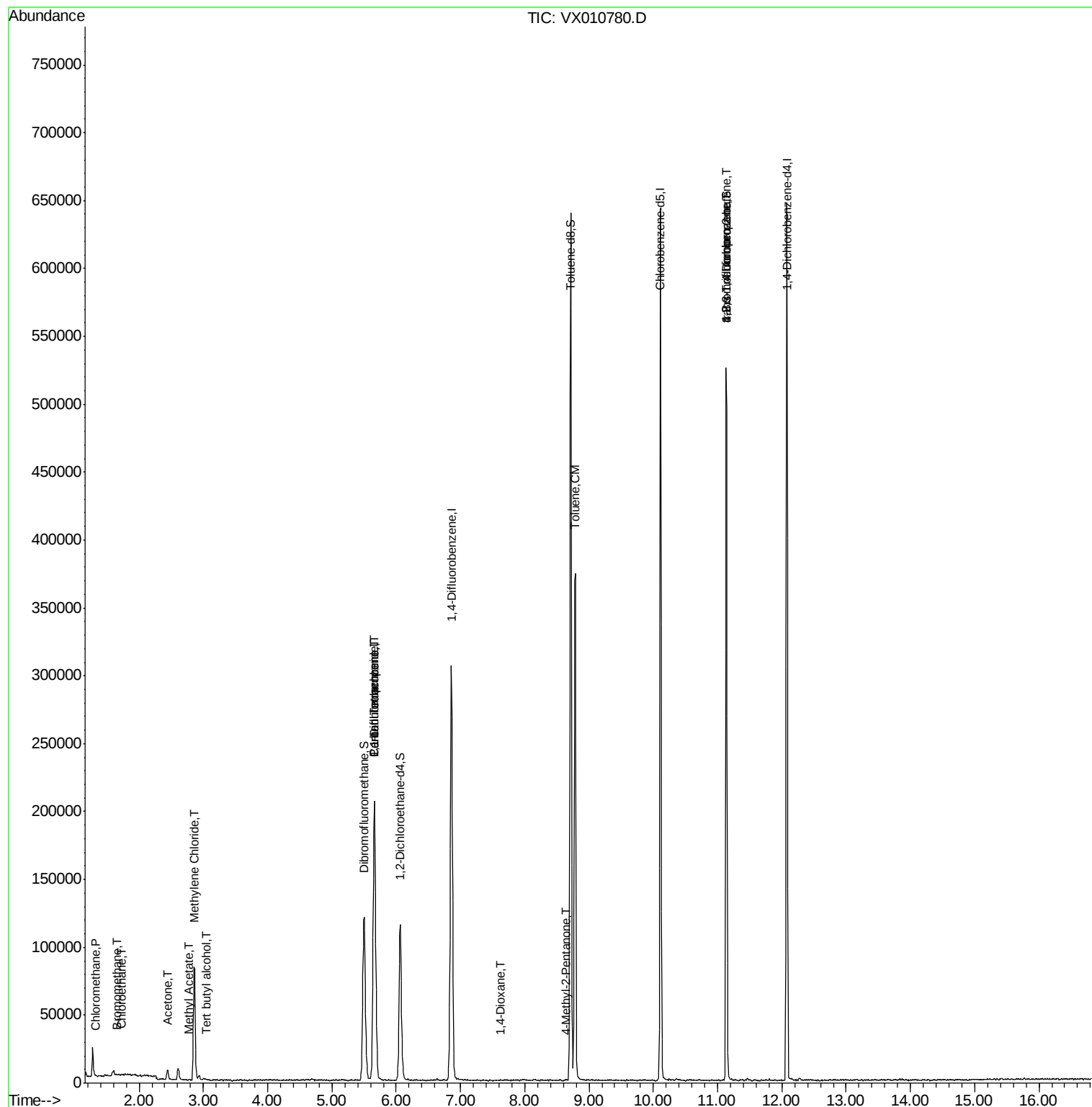
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	493	0.291	ug/l #	51
5) Bromomethane	1.66	94	515	0.570	ug/l #	48
6) Chloroethane	1.71	64	329	0.300	ug/l #	64
11) Tert butyl alcohol	3.04	59	637	1.240	ug/l	98
16) Acetone	2.44	43	8222	8.359	ug/l	93
18) Methyl Acetate	2.77	43	664	0.339	ug/l #	75
20) Methylene Chloride	2.85	84	41860	20.679	ug/l	97
36) 1,1-Dichloropropene	5.66	75	13578	5.190	ug/l #	48
38) Carbon Tetrachloride	5.66	117	18889	6.667	ug/l #	16
49) 1,4-Dioxane	7.62	88	69	1.157	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	665	0.233	ug/l	93
52) Toluene	8.79	92	145023	27.016	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	64247	25.349	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	64247	59.136	ug/l #	16

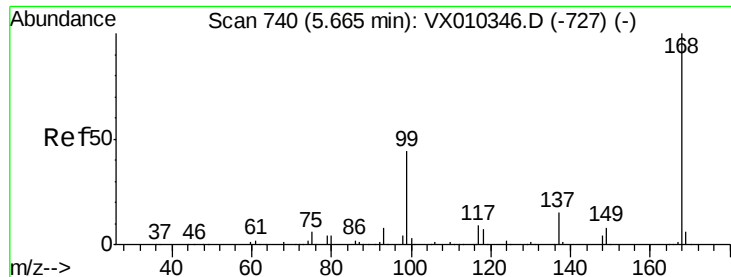
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 11 01:16:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010780.D

Acq: 10 Jul 2019 16:23

Instrument :

MSVOA_X

ClientSampled :

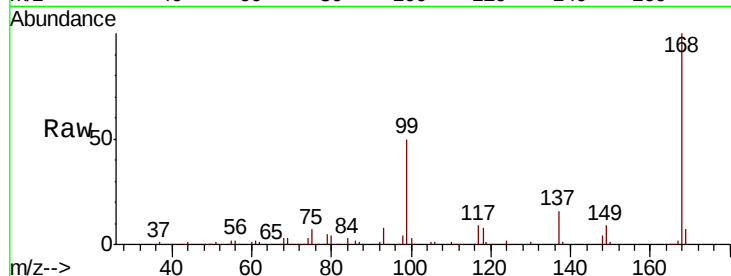
EB-01-190709

Tot Ion:168 Resp: 209331

Ion Ratio Lower Upper

168 100

99 49.8 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

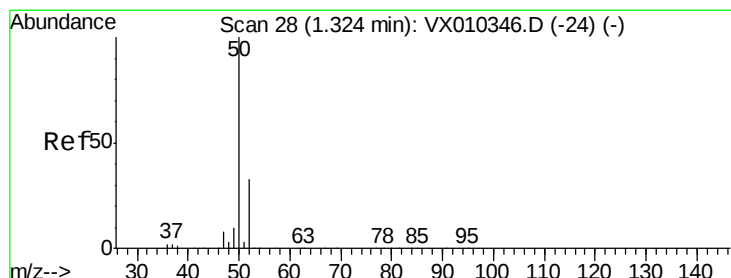
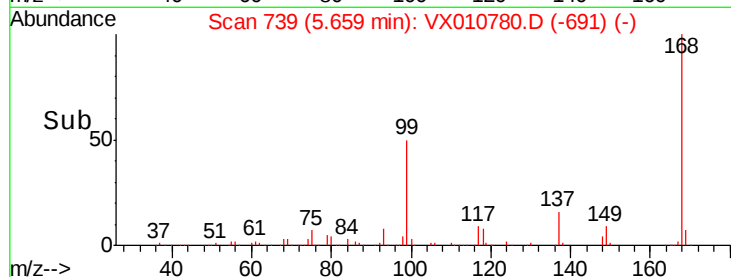
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.291 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010780.D

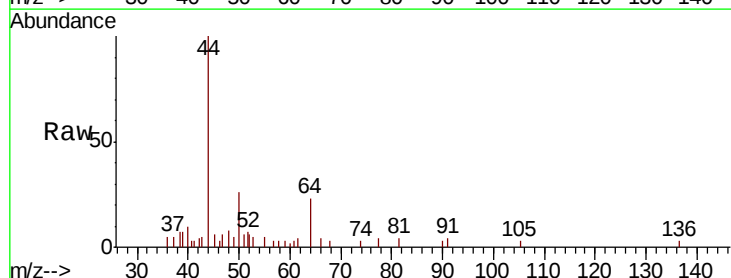
Acq: 10 Jul 2019 16:23

Tgt Ion: 50 Resp: 493

Ion Ratio Lower Upper

50 100

52 60.7 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

600

500

400

300

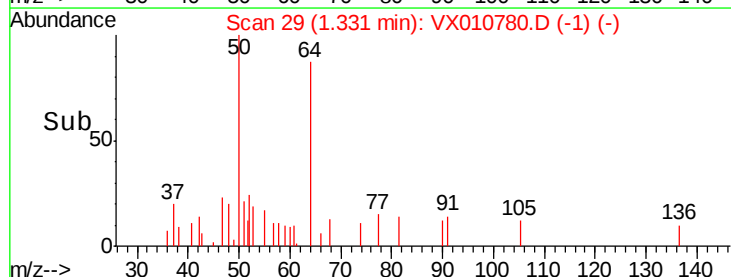
200

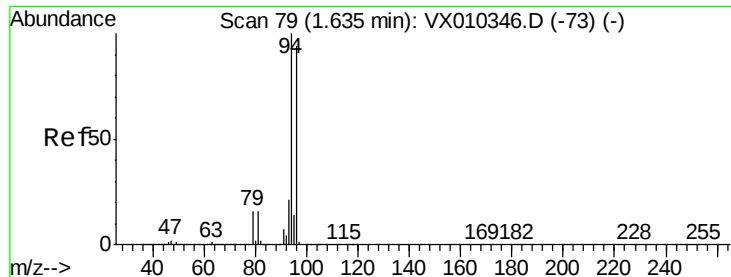
100

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.570 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010780.D

Acq: 10 Jul 2019 16:23

Instrument :

MSVOA_X

ClientSampled :

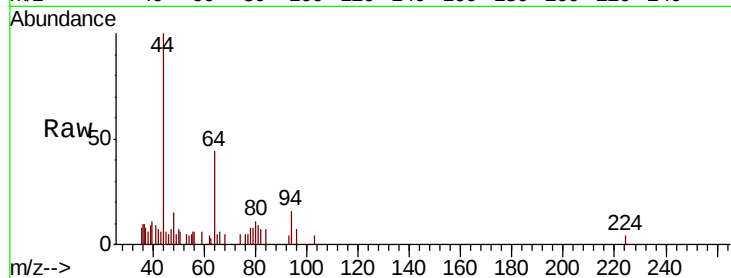
EB-01-190709

Tot Ion: 94 Resp: 515

Ion Ratio Lower Upper

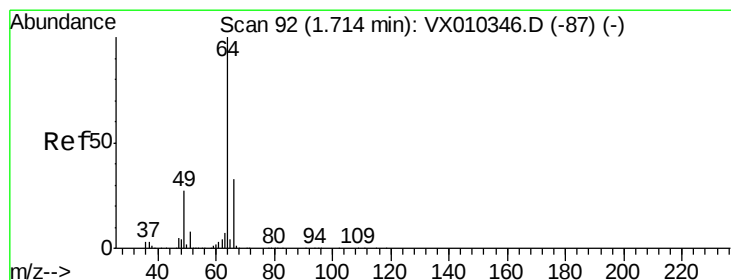
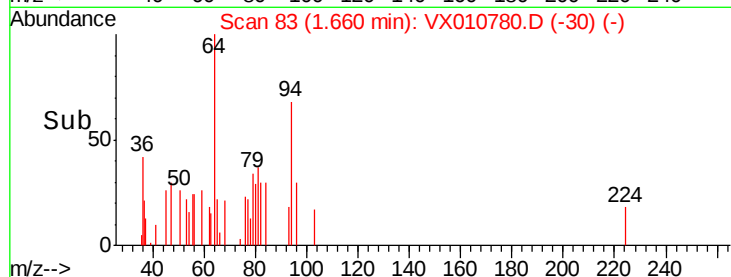
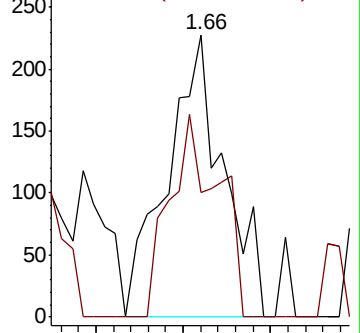
94 100

96 43.9 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.300 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010780.D

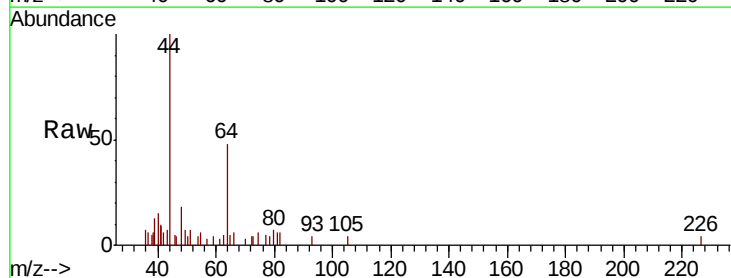
Acq: 10 Jul 2019 16:23

Tgt Ion: 64 Resp: 329

Ion Ratio Lower Upper

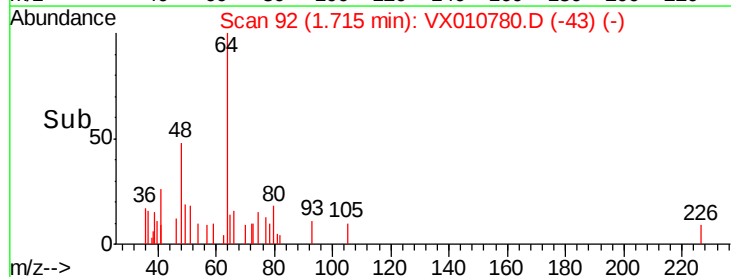
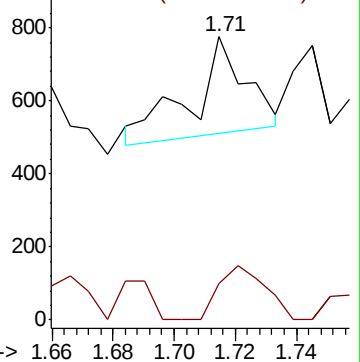
64 100

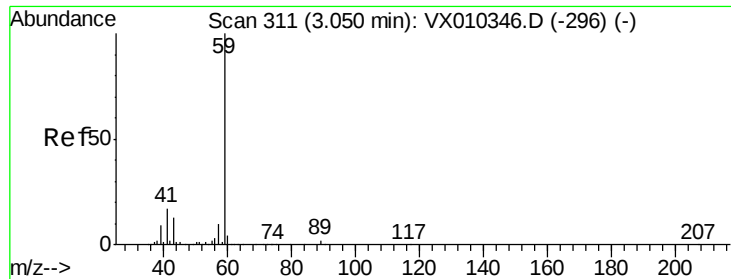
66 12.7 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

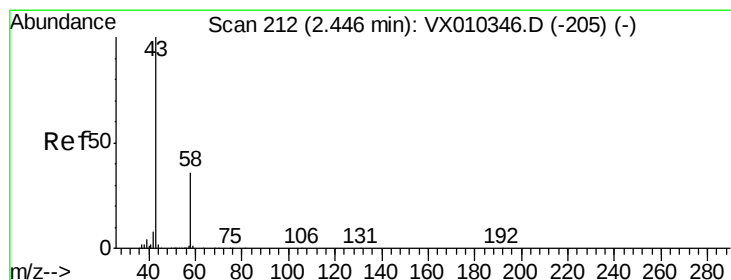
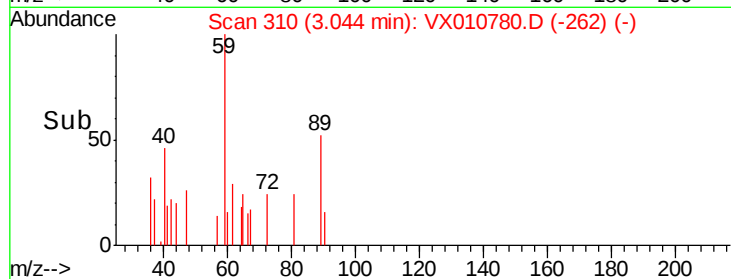
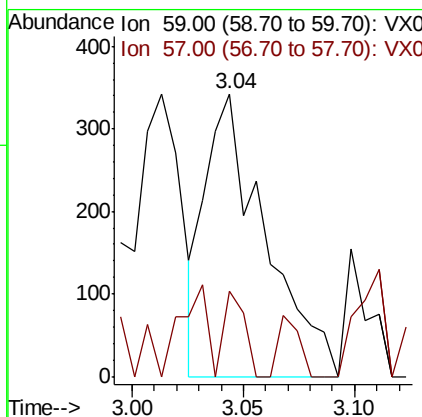
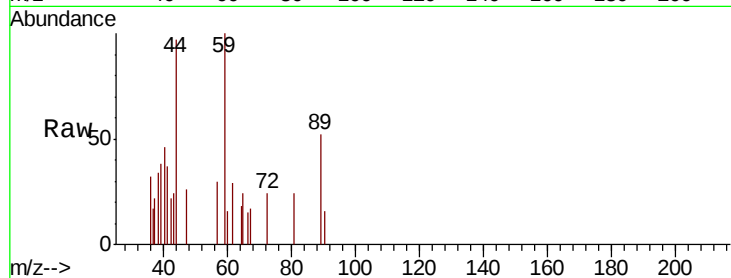




#11
Tert butyl alcohol
Concen: 1.240 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010780.D
Acq: 10 Jul 2019 16:23

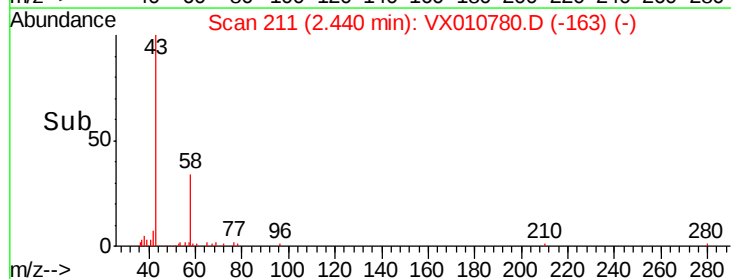
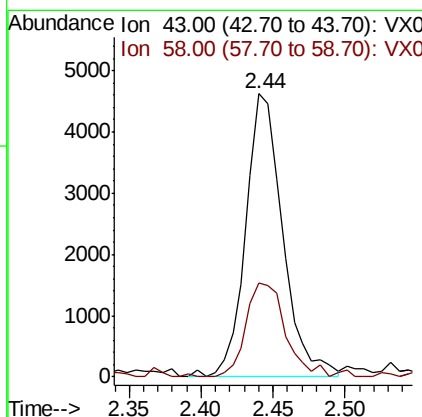
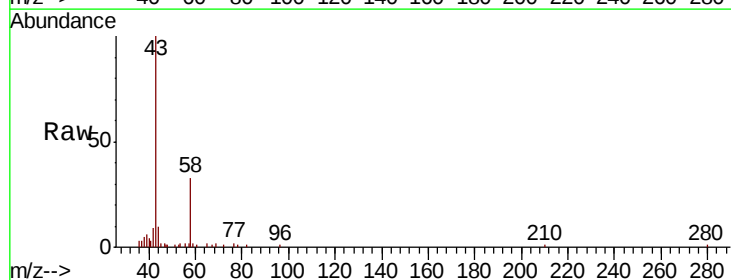
Instrument :
MSVOA_X
ClientSampleId :
EB-01-190709

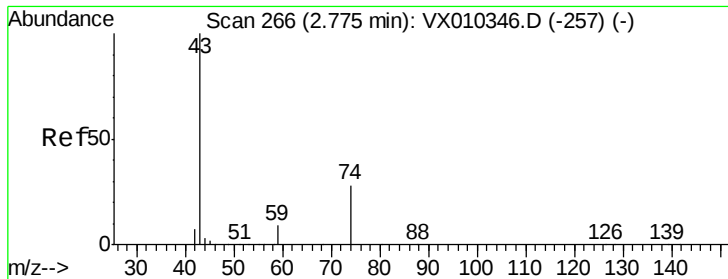
Tot Ion: 59 Resp: 637
Ion Ratio Lower Upper
59 100
57 10.4 7.7 11.5



#16
Acetone
Concen: 8.359 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX010780.D
Acq: 10 Jul 2019 16:23

Tgt Ion: 43 Resp: 8222
Ion Ratio Lower Upper
43 100
58 32.1 28.9 43.3

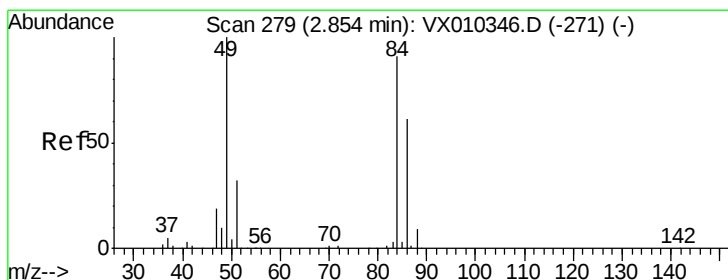
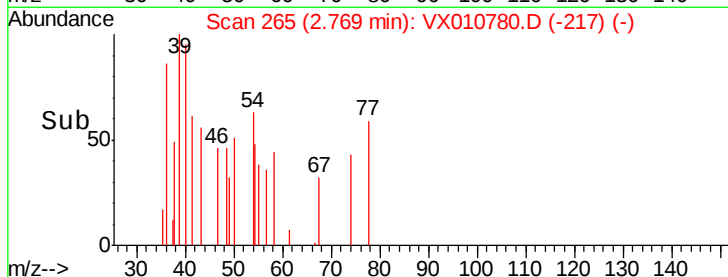
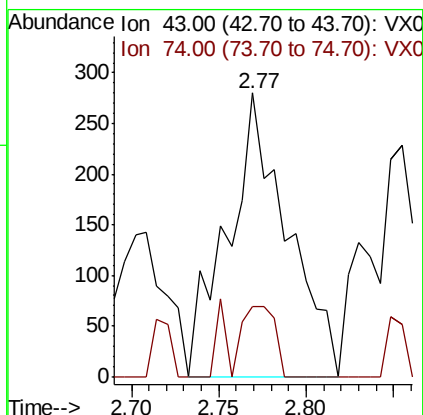
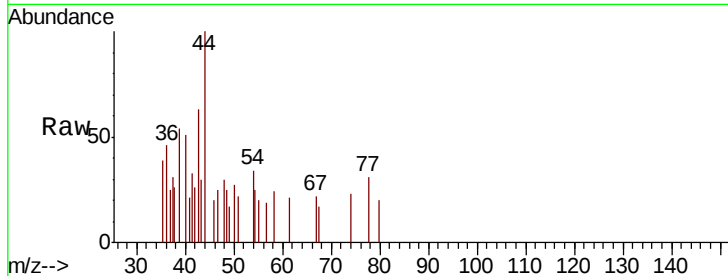




#18
Methvl Acetate
Concen: 0.339 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010780.D
Acq: 10 Jul 2019 16:23

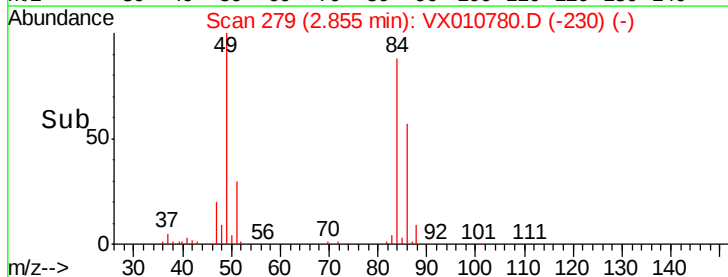
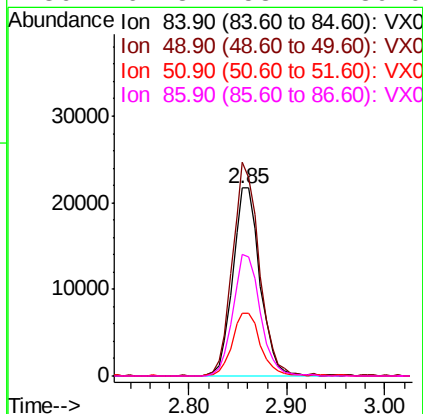
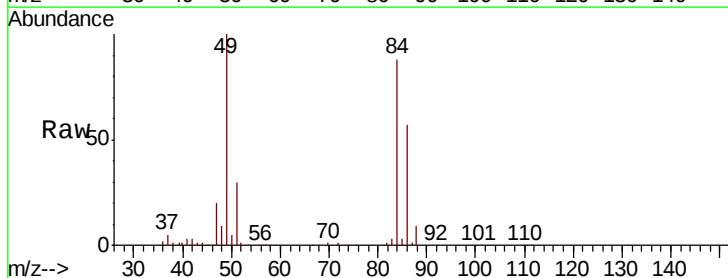
Instrument :
MSVOA_X
ClientSampleId :
EB-01-190709

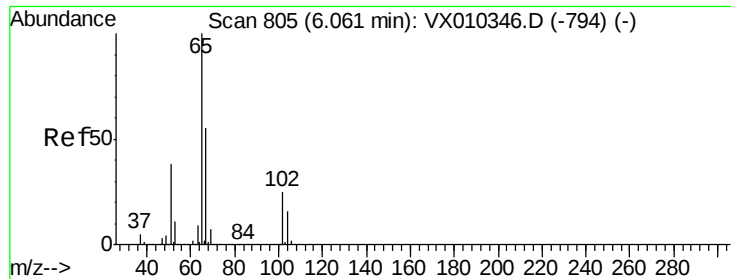
Tot Ion: 43 Resp: 664
Ion Ratio Lower Upper
43 100
74 13.7 21.3 31.9#



#20
Methylene Chloride
Concen: 20.679 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010780.D
Acq: 10 Jul 2019 16:23

Tgt Ion: 84 Resp: 41860
Ion Ratio Lower Upper
84 100
49 113.9 87.5 131.3
51 33.7 27.7 41.5
86 64.8 53.4 80.0





#33

1,2-Dichloroethane-d4

Concen: 54.146 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010780.D

Acq: 10 Jul 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

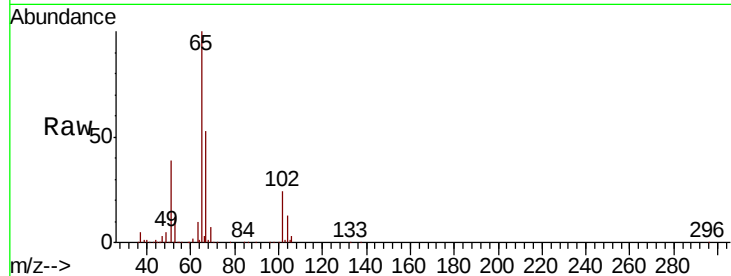
EB-01-190709

Tot Ion: 65 Resp: 106272

Ion Ratio Lower Upper

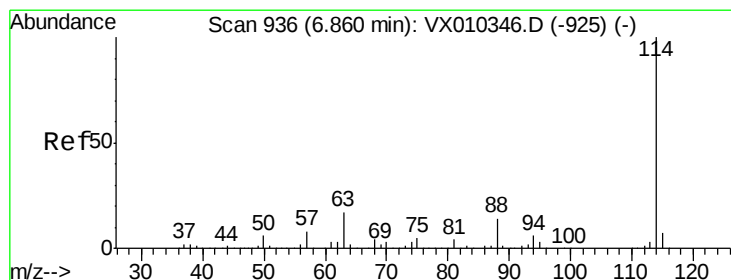
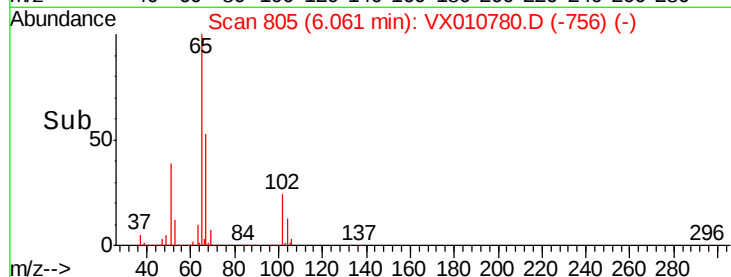
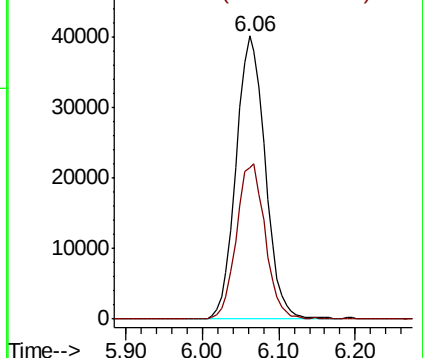
65 100

67 54.1 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010780.D

Acq: 10 Jul 2019 16:23

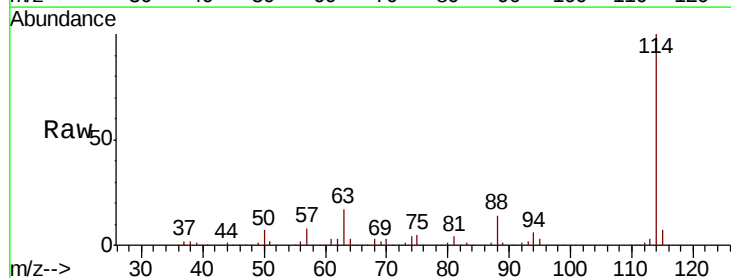
Tgt Ion: 114 Resp: 329254

Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.8

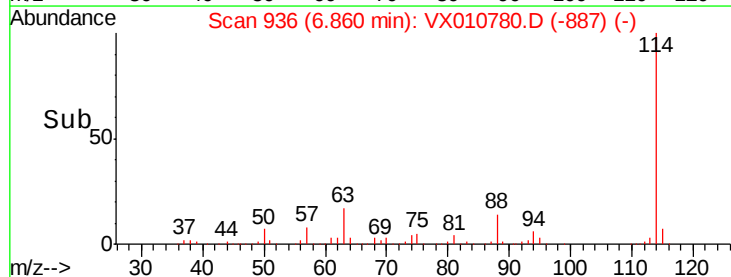
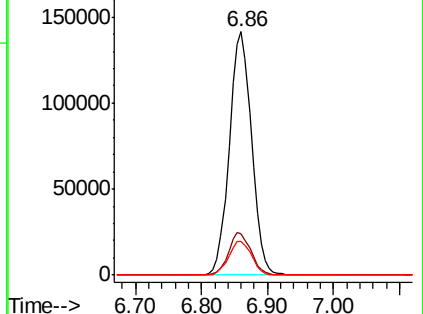
88 13.6 0.0 27.6

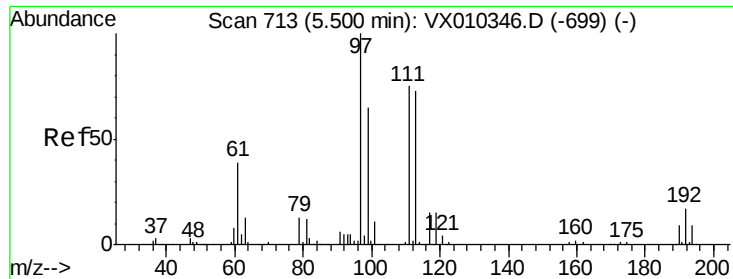


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

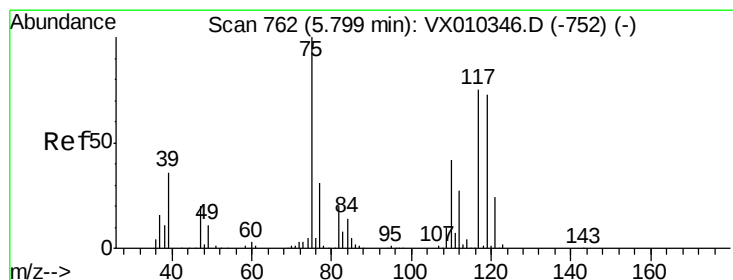
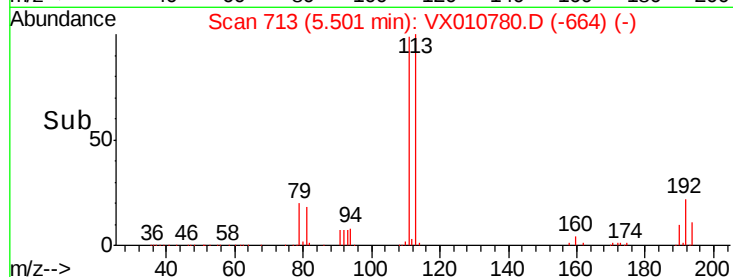
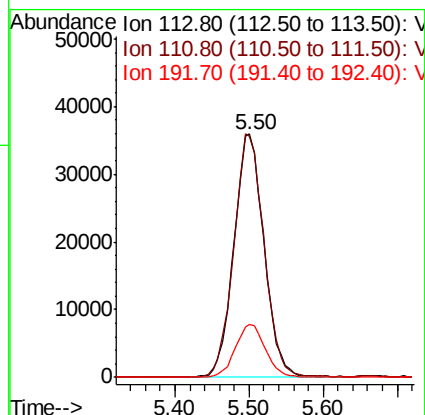
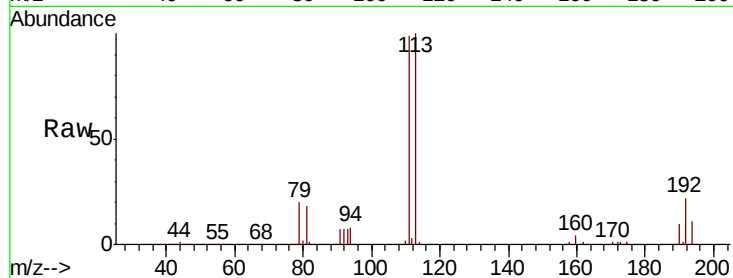




#35
Dibromofluoromethane
Concen: 50.560 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010780.D
Acq: 10 Jul 2019 16:23

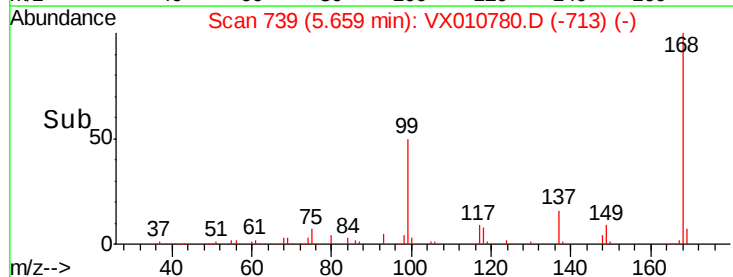
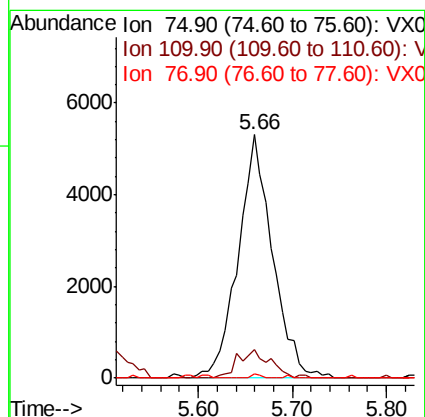
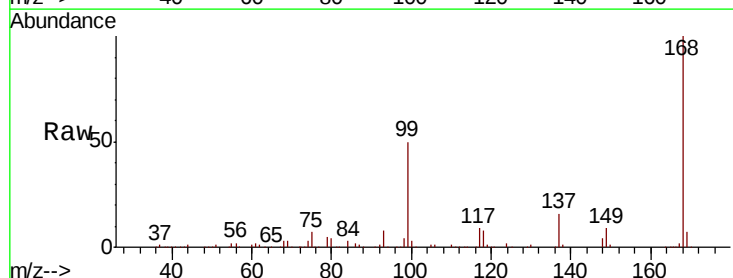
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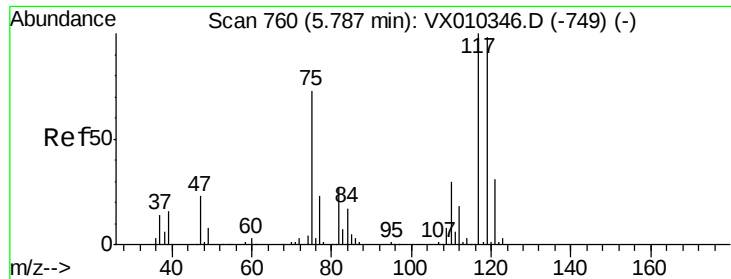
Tot Ion:113 Resp: 101853
Ion Ratio Lower Upper
113 100
111 100.1 81.2 121.8
192 21.6 18.6 27.8



#36
1,1-Dichloropropene
Concen: 5.190 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX010780.D
Acq: 10 Jul 2019 16:23

Tgt Ion: 75 Resp: 13578
Ion Ratio Lower Upper
75 100
110 10.9 20.8 62.2#
77 0.4 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.667 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010780.D

Acq: 10 Jul 2019 16:23

Instrument :

MSVOA_X

ClientSampled :

EB-01-190709

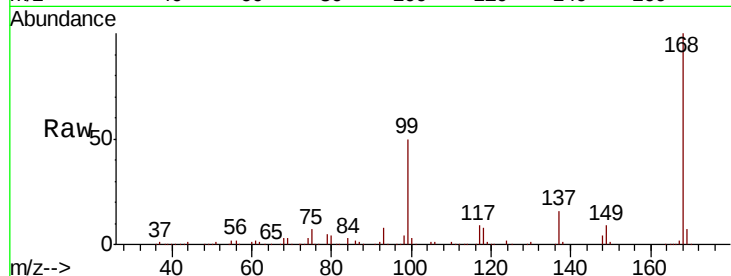
Tot Ion:117 Resp: 18889

Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.4#

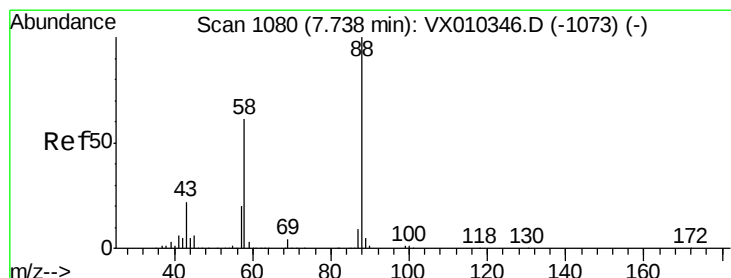
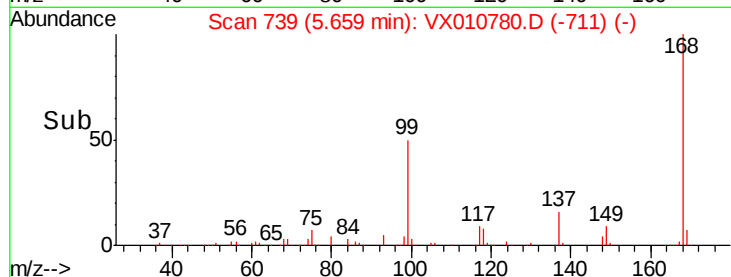
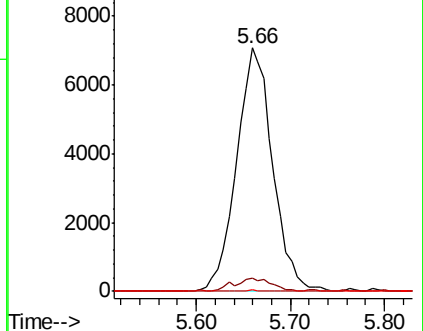
121 0.7 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.157 ug/l

RT: 7.62 min Scan# 1061

Delta R.T. -0.12 min

Lab File: VX010780.D

Acq: 10 Jul 2019 16:23

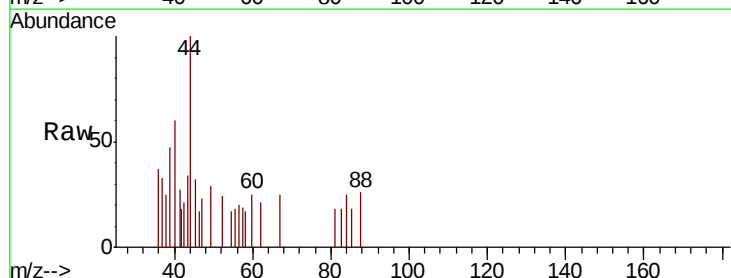
Tgt Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 494.2 20.2 30.2#

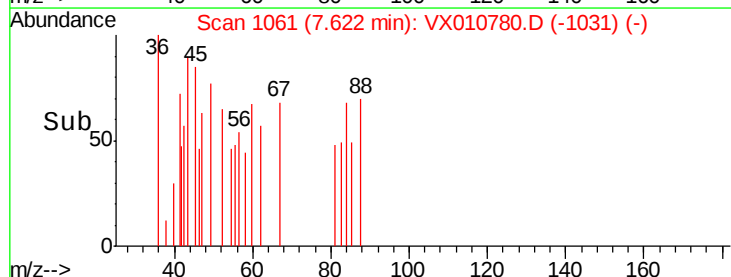
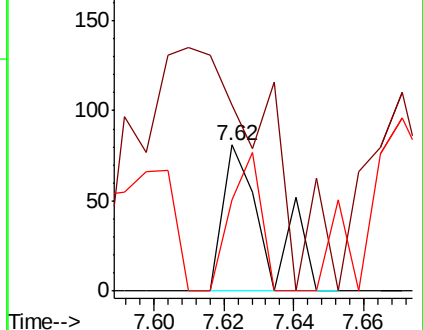
58 68.1 49.5 74.3

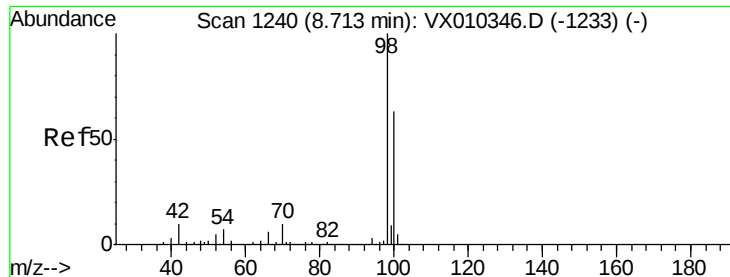


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

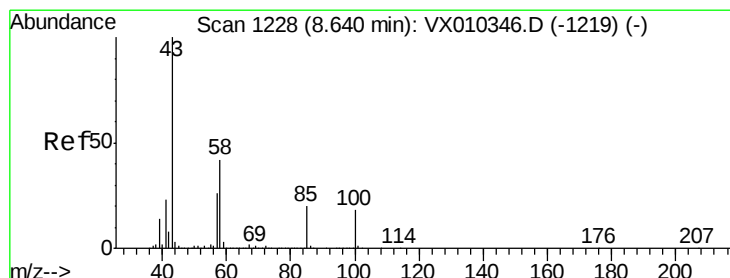
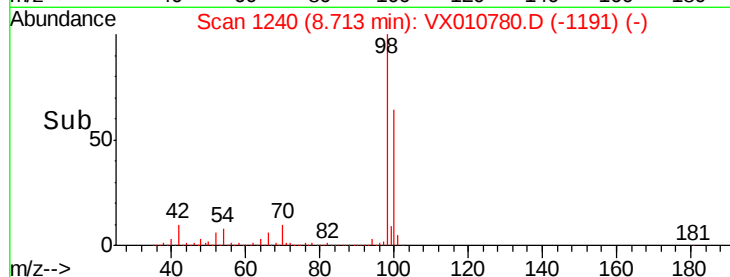
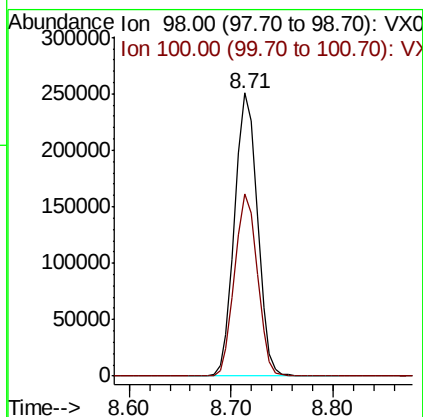
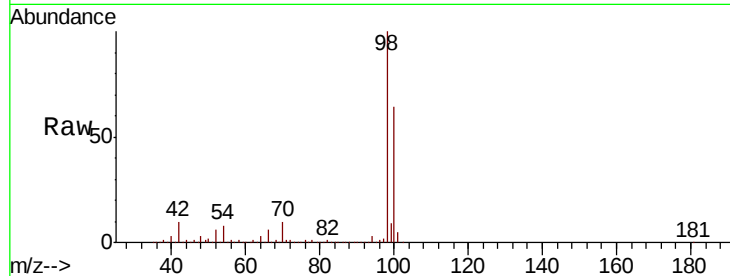




#50
Toluene-d8
Concen: 50.263 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010780.D
Acq: 10 Jul 2019 16:23

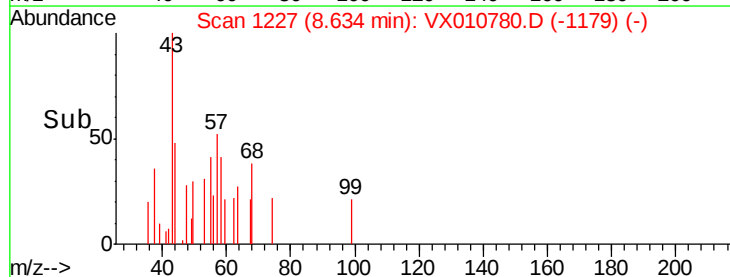
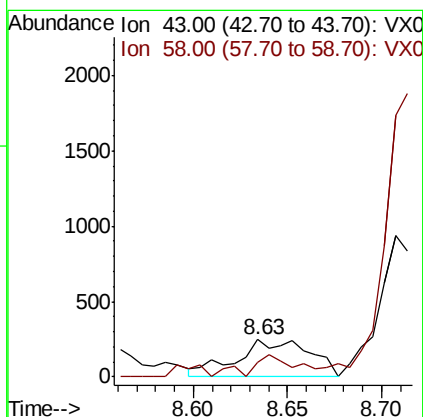
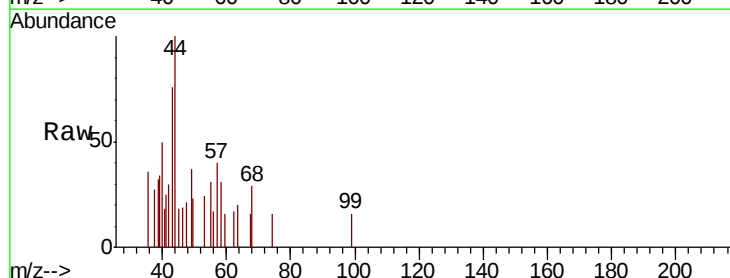
Instrument :
MSVOA_X
ClientSampleId :
EB-01-190709

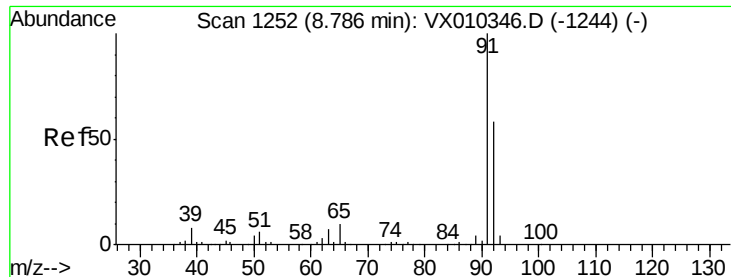
Tot Ion: 98 Resp: 387383
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 0.233 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX010780.D
Acq: 10 Jul 2019 16:23

Tgt Ion: 43 Resp: 665
Ion Ratio Lower Upper
43 100
58 37.4 33.5 50.3





#52

Toluene

Concen: 27.016 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010780.D

Acq: 10 Jul 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

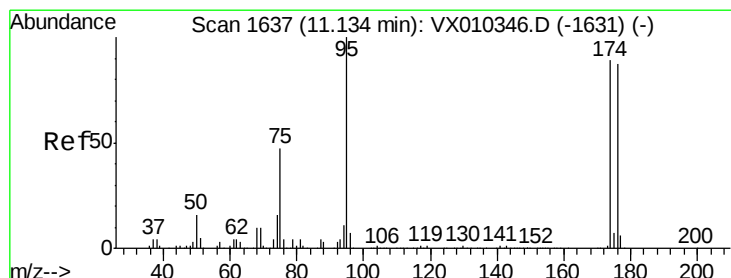
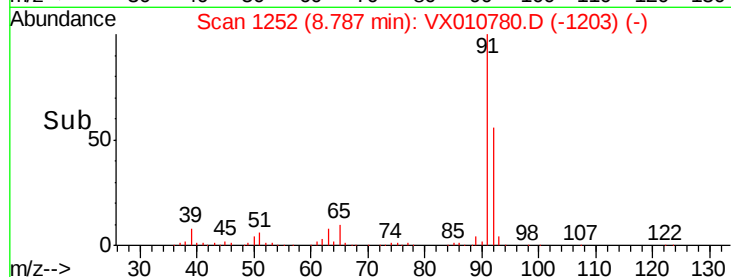
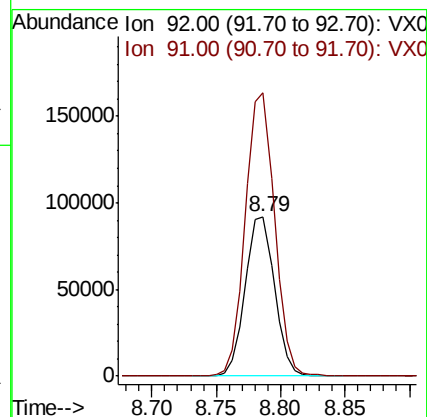
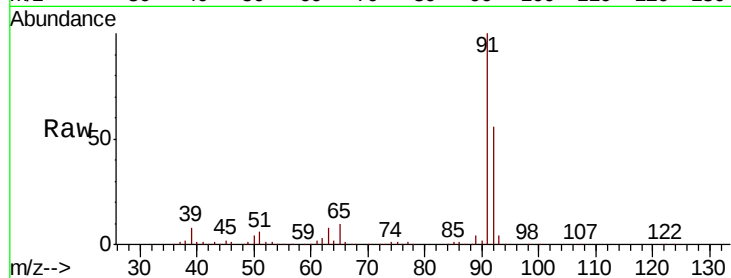
EB-01-190709

Tot Ion: 92 Resp: 145023

Ion Ratio Lower Upper

92 100

91 177.1 139.8 209.6



#62

4-Bromofluorobenzene

Concen: 47.347 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010780.D

Acq: 10 Jul 2019 16:23

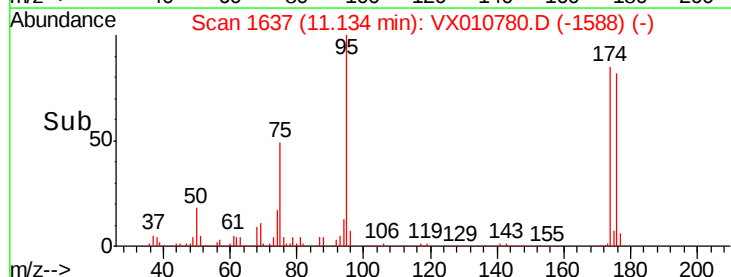
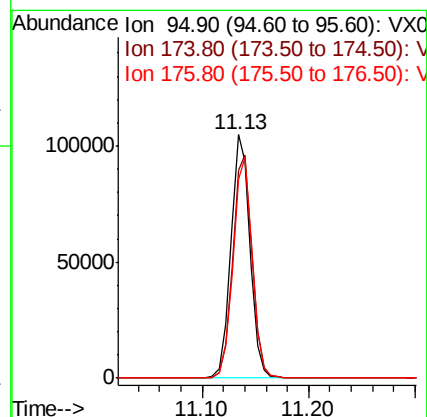
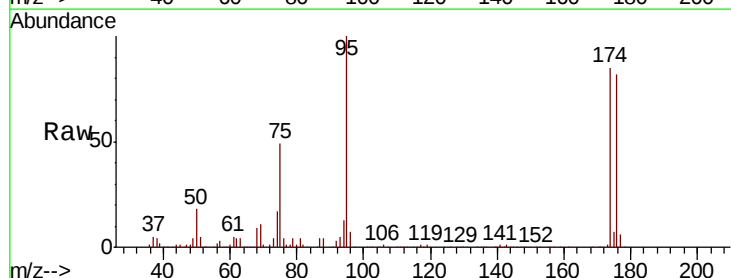
Tgt Ion: 95 Resp: 131741

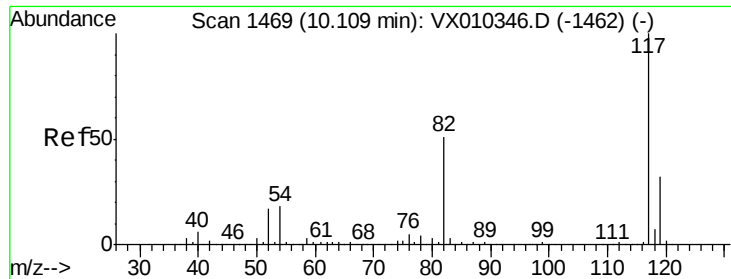
Ion Ratio Lower Upper

95 100

174 92.9 0.0 187.6

176 91.2 0.0 184.0

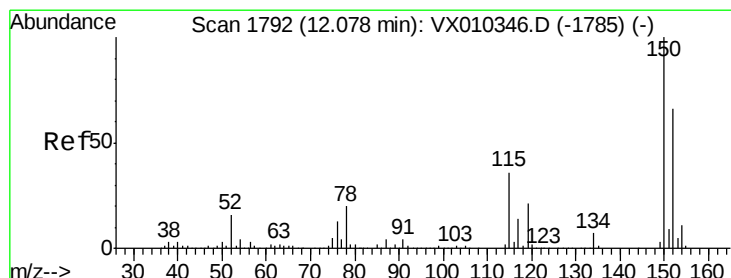
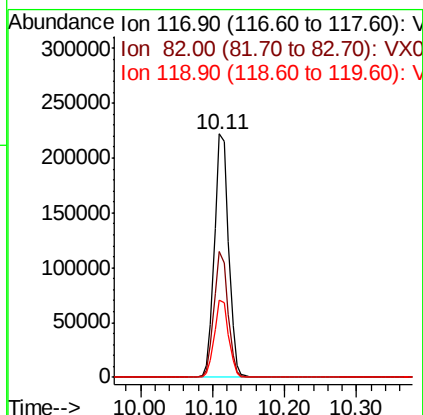
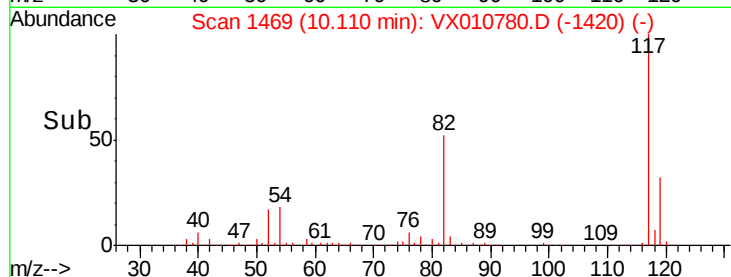
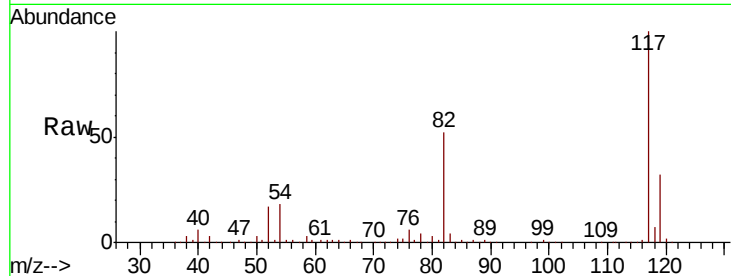




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010780.D
Acq: 10 Jul 2019 16:23

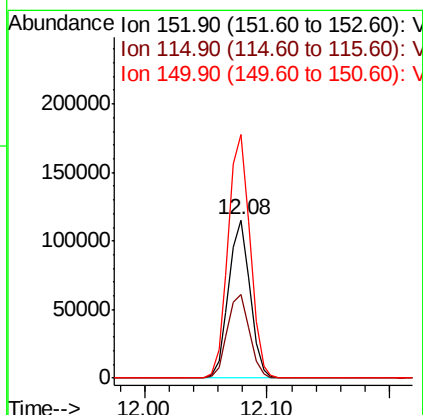
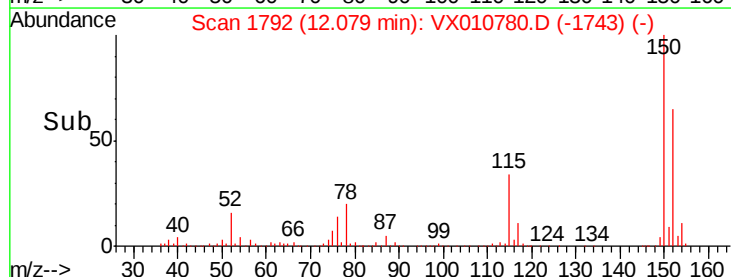
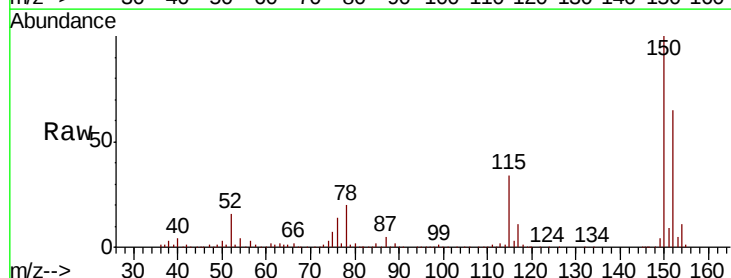
Instrument :
MSVOA_X
ClientSampleId :
EB-01-190709

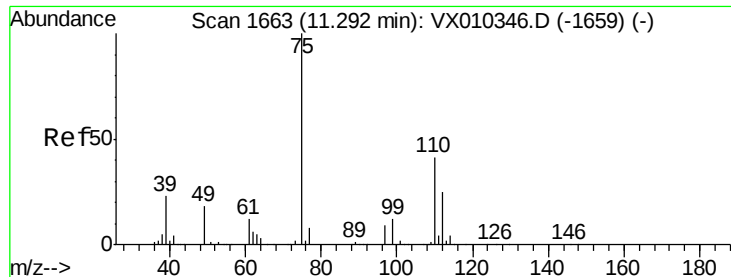
Tot Ion:117 Resp: 301478
Ion Ratio Lower Upper
117 100
82 51.7 41.2 61.8
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010780.D
Acq: 10 Jul 2019 16:23

Tgt Ion:152 Resp: 139087
Ion Ratio Lower Upper
152 100
115 55.0 38.6 115.7
150 158.5 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 25.349 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010780.D

Acq: 10 Jul 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

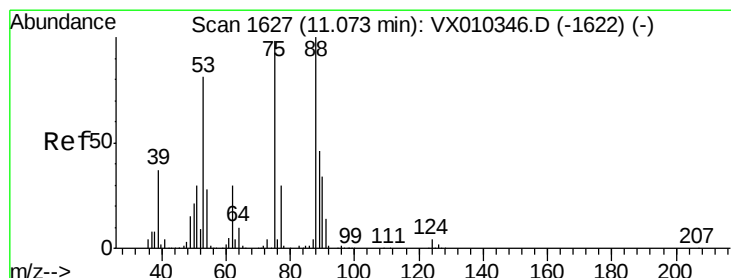
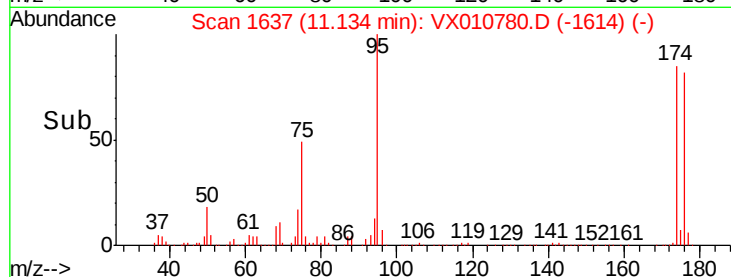
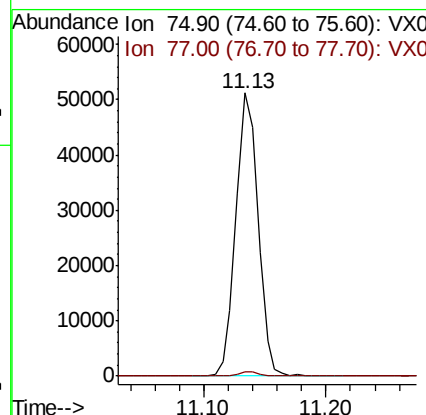
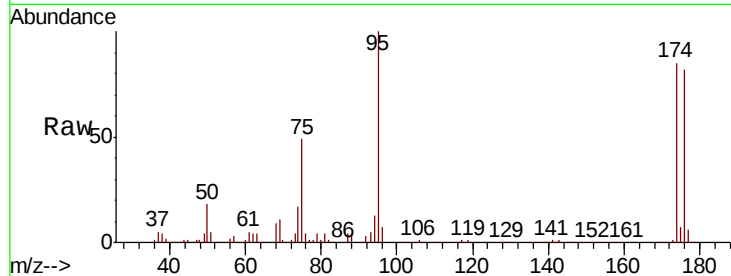
EB-01-190709

Tot Ion: 75 Resp: 64247

Ion Ratio Lower Upper

75 100

77 1.5 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.136 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010780.D

Acq: 10 Jul 2019 16:23

Tgt Ion: 75 Resp: 64247

Ion Ratio Lower Upper

75 100

53 0.2 66.1 99.1#

89 0.0 37.8 56.6#

