

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010806.D
 Acq On : 11 Jul 2019 14:50
 Operator : JC/SP
 Sample : K3757-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-02-190710

Quant Time: Jul 12 06:54:16 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	5.67	168	228114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	359924	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	332588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	149045	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	117316	54.85	ug/l	0.00
Spiked Amount			Recovery	=	109.70%	
35) Dibromofluoromethane	5.50	113	107860	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
50) Toluene-d8	8.71	98	426099	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.13	95	145089	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	

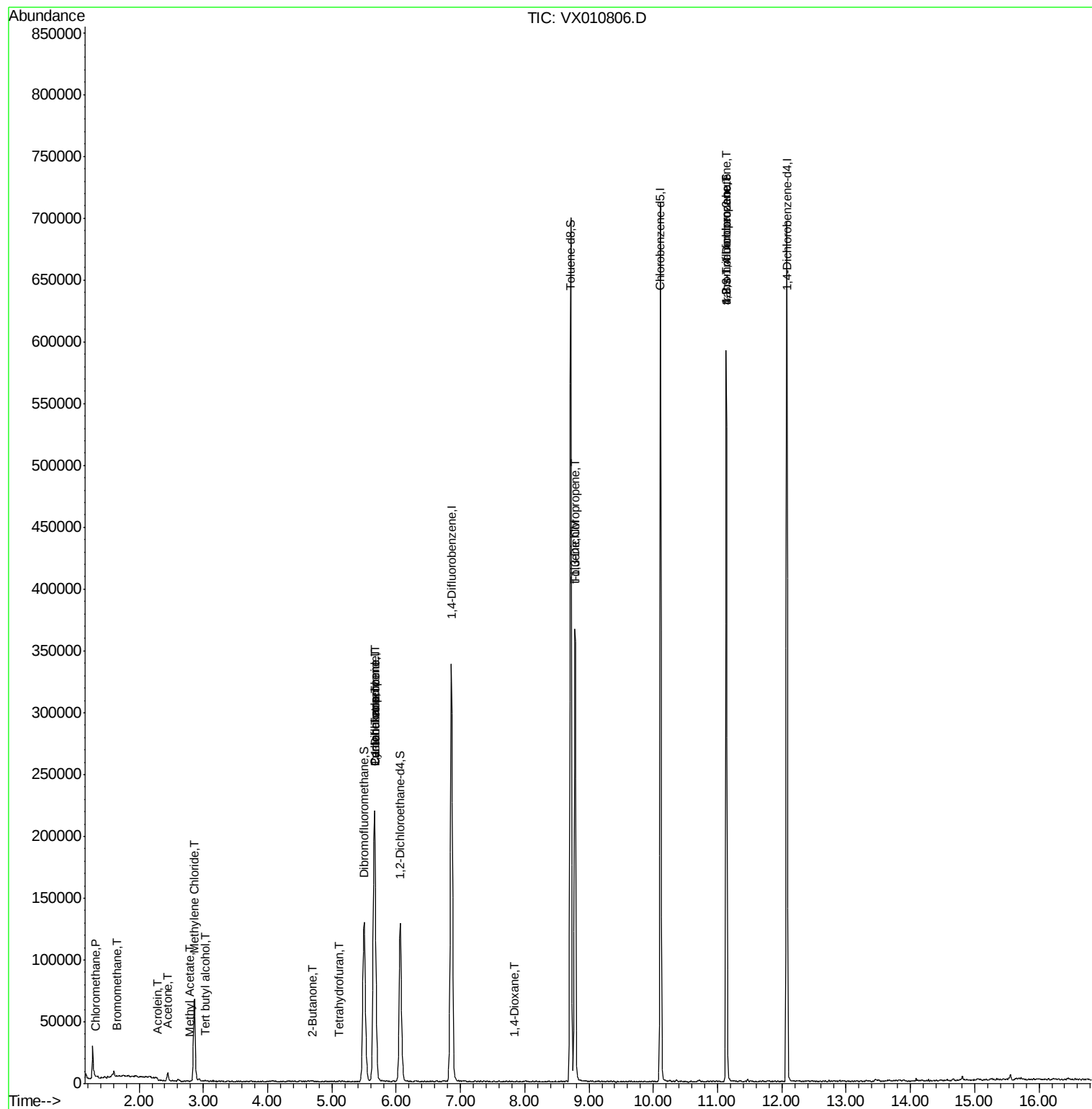
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	477	0.258	ug/l #	51
5) Bromomethane	1.65	94	579	0.588	ug/l #	76
11) Tert butyl alcohol	3.03	59	715	1.278	ug/l #	66
13) Acrolein	2.29	56	89	0.240	ug/l #	14
16) Acetone	2.45	43	6362	5.935	ug/l	93
18) Methyl Acetate	2.78	43	492	0.230	ug/l #	56
20) Methylene Chloride	2.86	84	33563	15.215	ug/l	98
25) 2-Butanone	4.70	43	647	0.411	ug/l	97
29) Tetrahydrofuran	5.12	42	318	0.327	ug/l #	33
31) Cyclohexane	5.66	56	4487	1.452	ug/l #	21
36) 1,1-Dichloropropene	5.66	75	14999	5.244	ug/l #	47
38) Carbon Tetrachloride	5.66	117	20515	6.624	ug/l #	15
49) 1,4-Dioxane	7.84	88	20	0.307	ug/l #	23
52) Toluene	8.78	92	140448	23.934	ug/l	99
53) t-1,3-Dichloropropene	8.78	75	1661	0.501	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	71753	26.419	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71753	61.632	ug/l #	16

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010806.D

Acq: 11 Jul 2019 14:50

Instrument :

MSVOA_X

ClientSampleId :

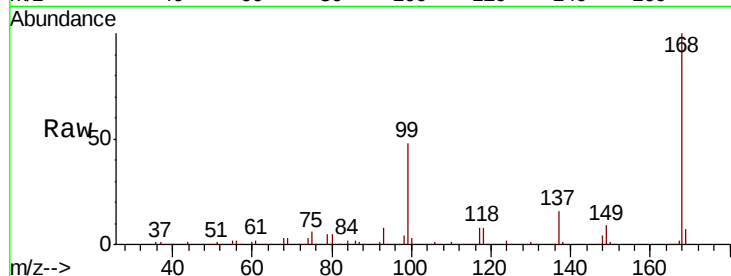
EB-02-190710

Tot Ion:168 Resp: 228114

Ion Ratio Lower Upper

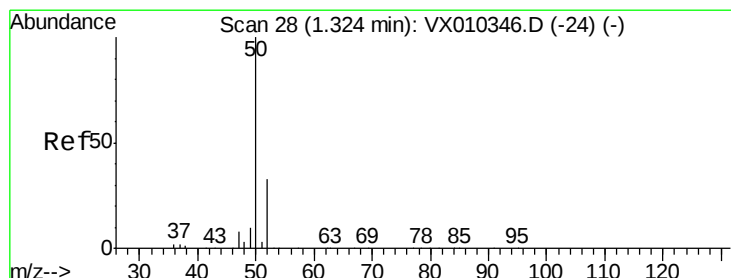
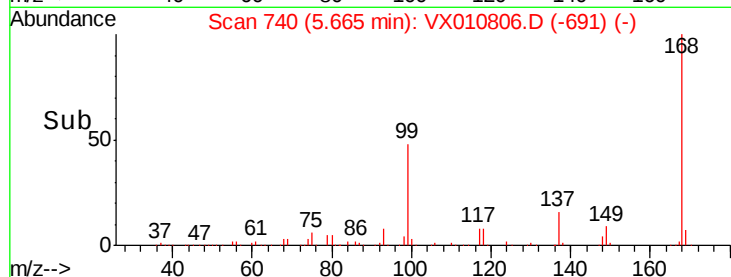
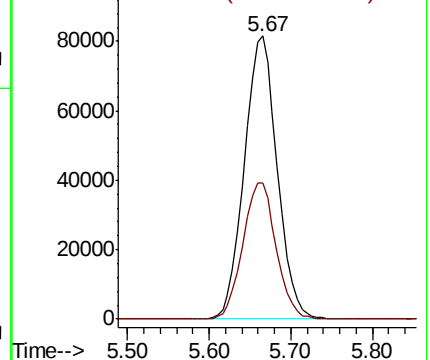
168 100

99 48.1 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.258 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010806.D

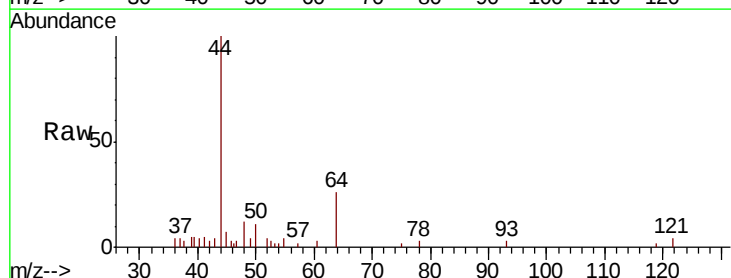
Acq: 11 Jul 2019 14:50

Tgt Ion: 50 Resp: 477

Ion Ratio Lower Upper

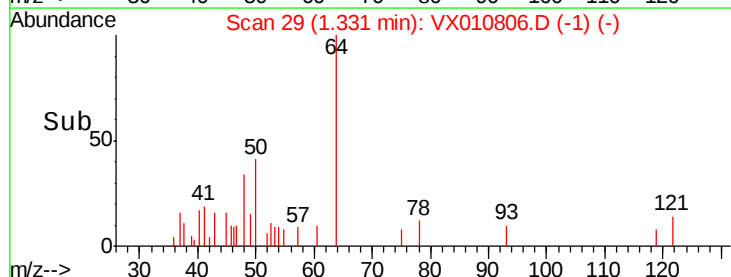
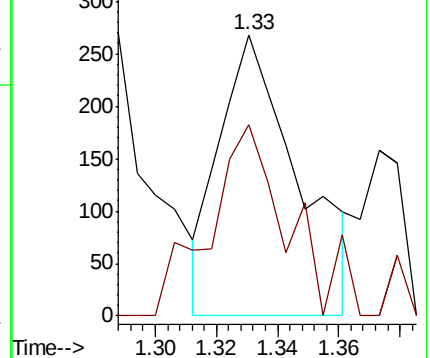
50 100

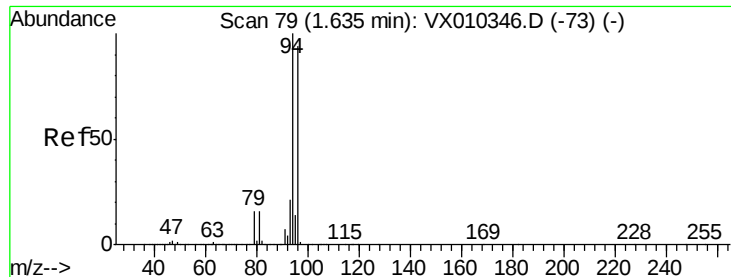
52 60.7 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.588 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010806.D

Acq: 11 Jul 2019 14:50

Instrument :

MSVOA_X

ClientSampleId :

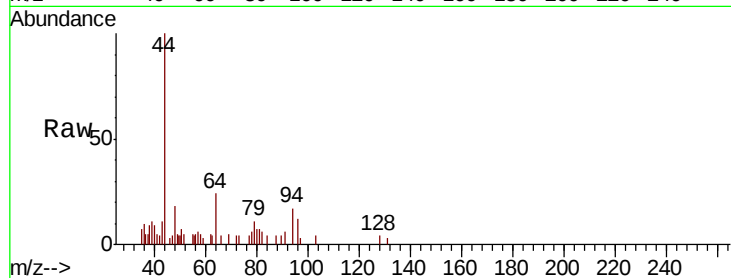
EB-02-190710

Tot Ion: 94 Resp: 579

Ion Ratio Lower Upper

94 100

96 70.9 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

150

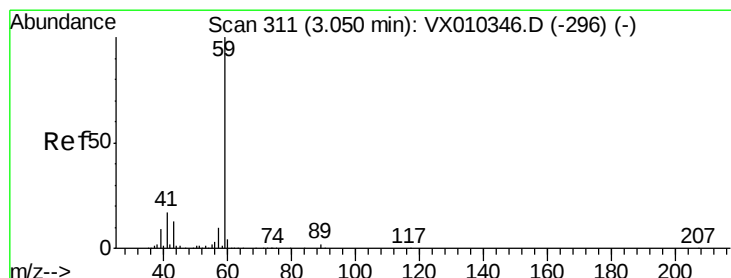
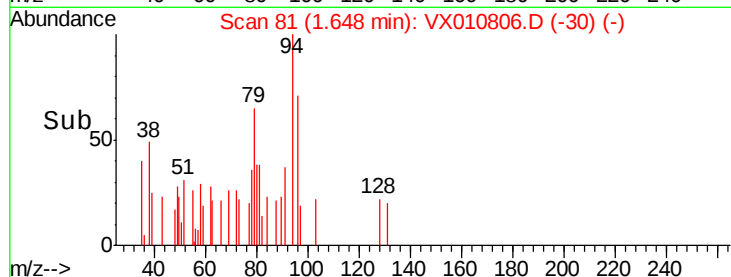
100

50

0

1.60 1.65 1.70

Time-->



#11

Tert butyl alcohol

Concen: 1.278 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX010806.D

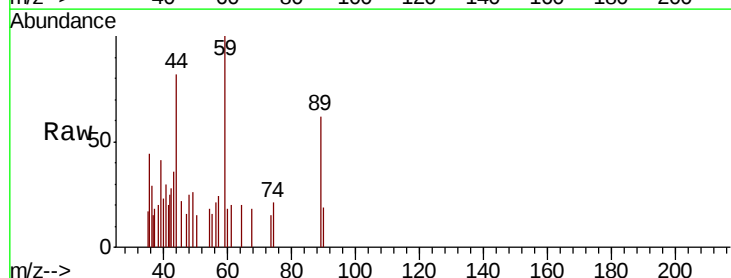
Acq: 11 Jul 2019 14:50

Tgt Ion: 59 Resp: 715

Ion Ratio Lower Upper

59 100

57 22.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

400

300

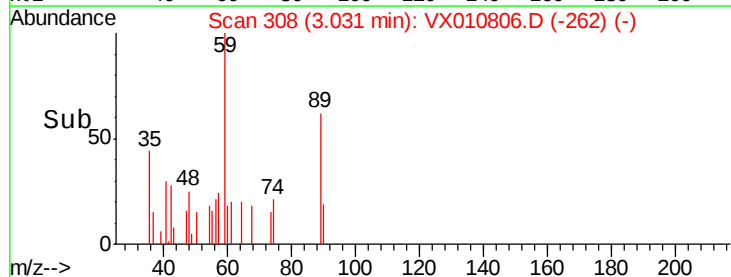
200

100

0

3.00 3.05

Time-->





#13

Acrolein

Concen: 0.240 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010806.D

Acq: 11 Jul 2019 14:50

Instrument :

MSVOA_X

ClientSampleId :

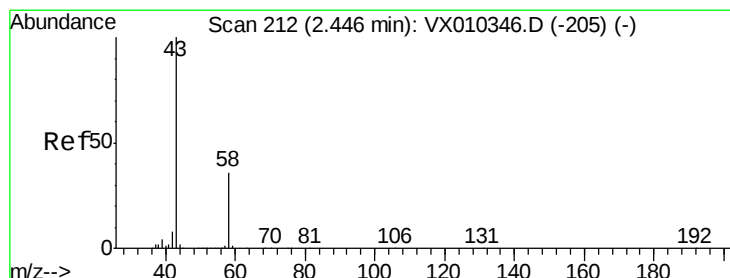
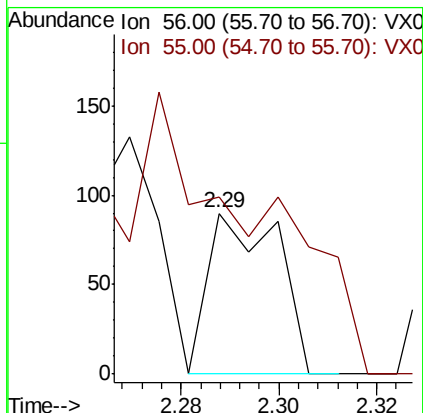
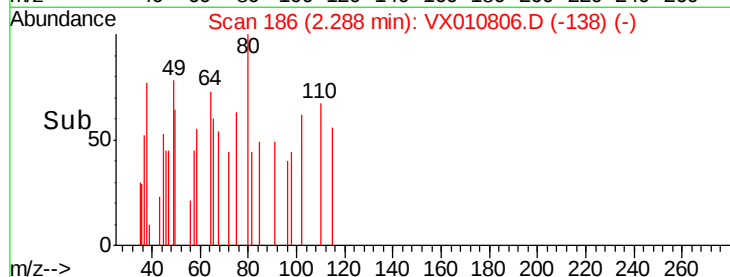
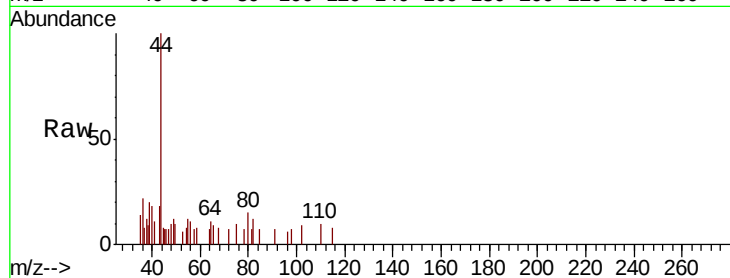
EB-02-190710

Tot Ion: 56 Resp: 89

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 5.935 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010806.D

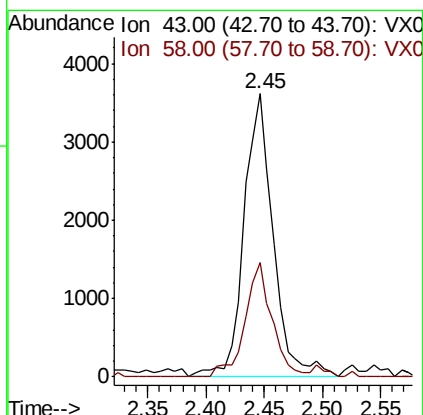
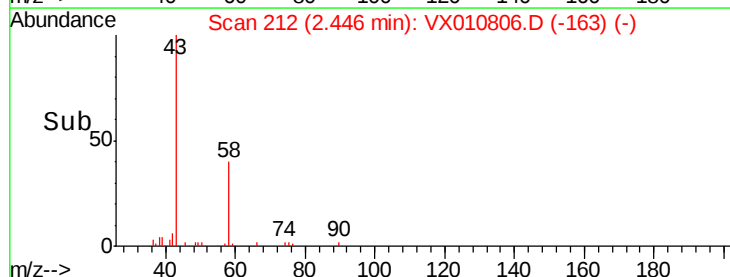
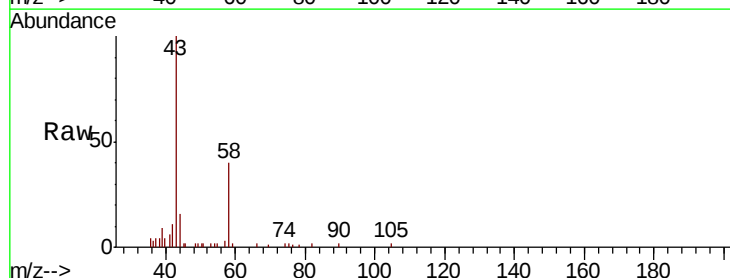
Acq: 11 Jul 2019 14:50

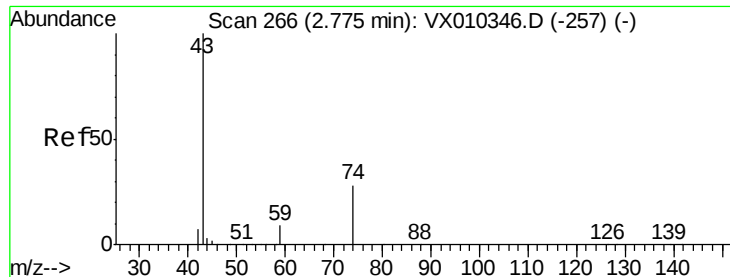
Tgt Ion: 43 Resp: 6362

Ion Ratio Lower Upper

43 100

58 40.3 28.9 43.3

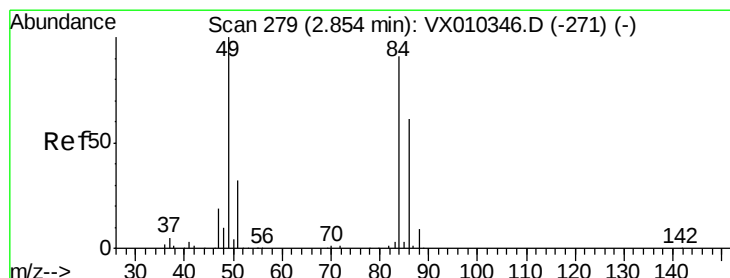
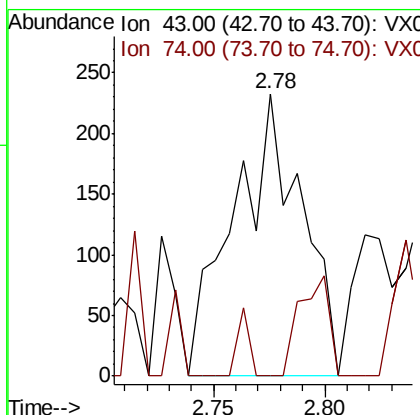
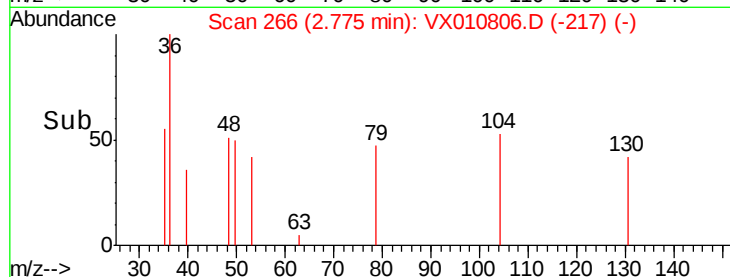
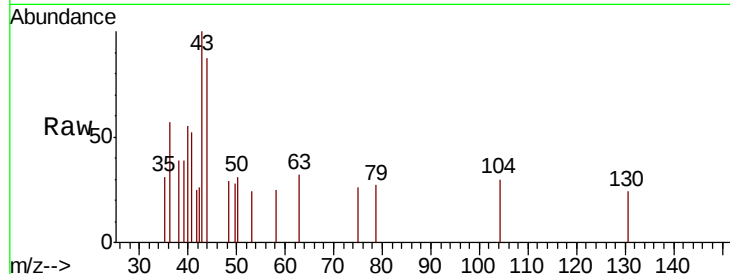




#18
Methvl Acetate
Concen: 0.230 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010806.D
Acq: 11 Jul 2019 14:50

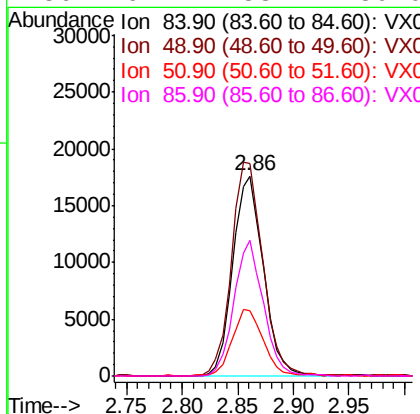
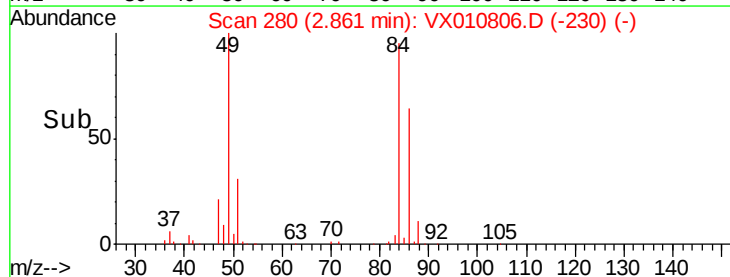
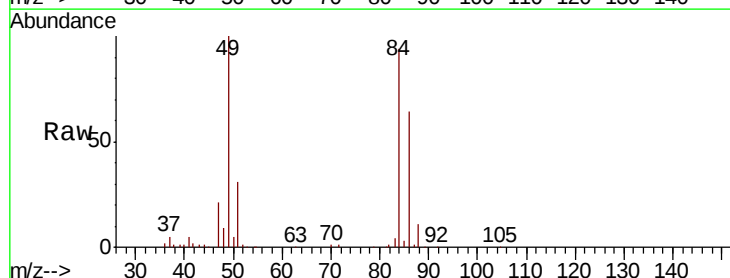
Instrument :
MSVOA_X
ClientSampleId :
EB-02-190710

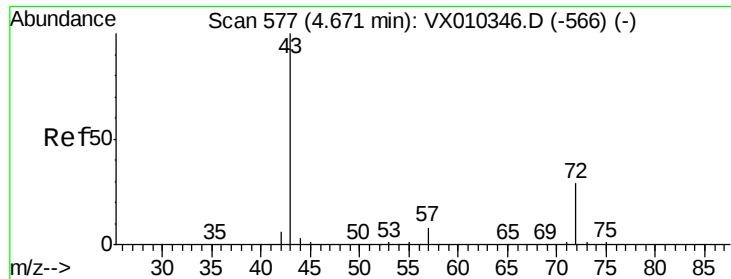
Tot Ion: 43 Resp: 492
Ion Ratio Lower Upper
43 100
74 4.1 21.3 31.9#



#20
Methylene Chloride
Concen: 15.215 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010806.D
Acq: 11 Jul 2019 14:50

Tgt Ion: 84 Resp: 33563
Ion Ratio Lower Upper
84 100
49 106.1 87.5 131.3
51 32.8 27.7 41.5
86 67.7 53.4 80.0





#25

2-Butanone

Concen: 0.411 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010806.D

Acq: 11 Jul 2019 14:50

Instrument :

MSVOA_X

ClientSampled :

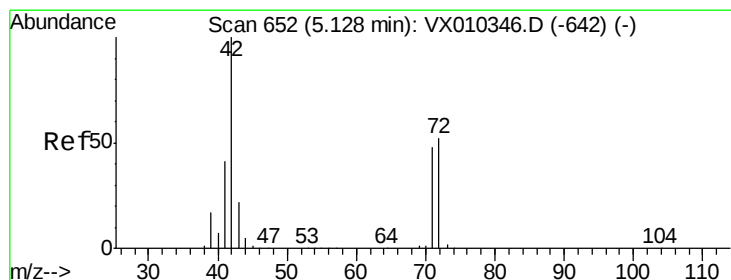
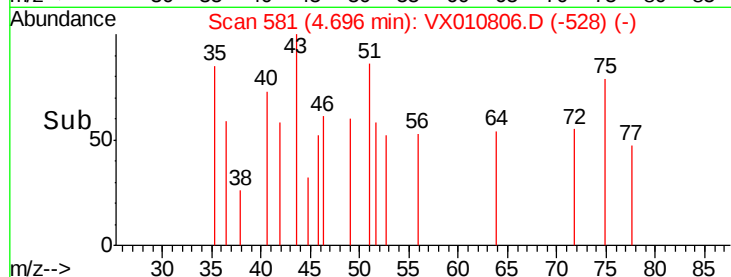
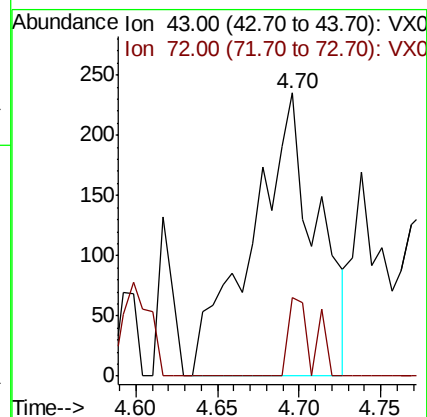
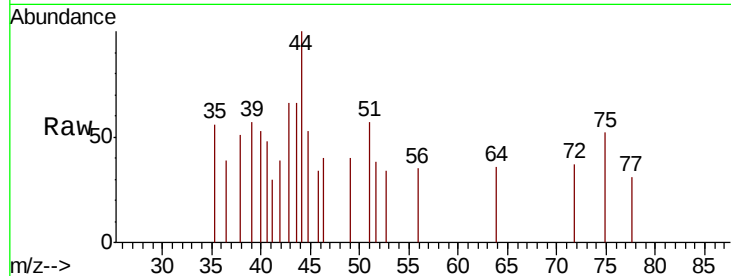
EB-02-190710

Tot Ion: 43 Resp: 647

Ion Ratio Lower Upper

43 100

72 27.7 23.3 34.9



#29

Tetrahydrofuran

Concen: 0.327 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.01 min

Lab File: VX010806.D

Acq: 11 Jul 2019 14:50

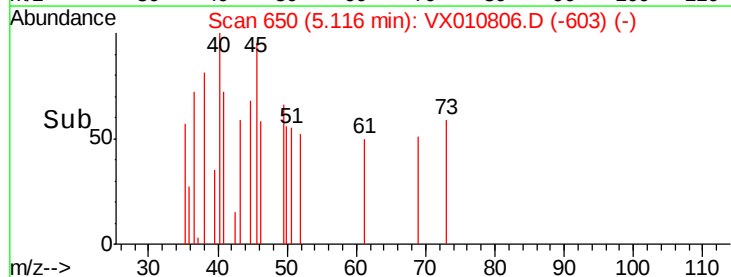
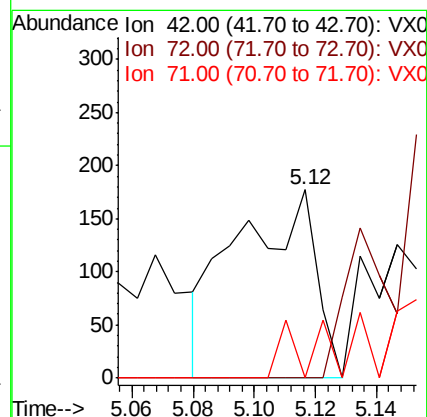
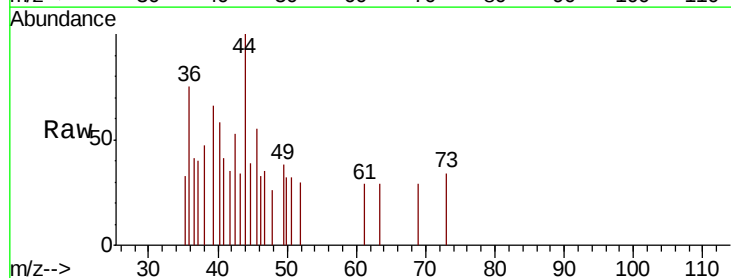
Tgt Ion: 42 Resp: 318

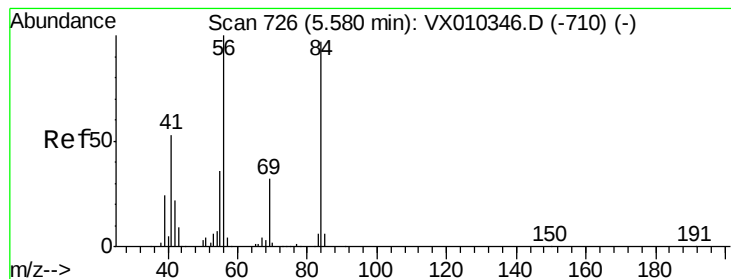
Ion Ratio Lower Upper

42 100

72 0.0 40.6 60.8#

71 6.3 37.8 56.8#





#31

Cyclohexane

Concen: 1.452 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX010806.D

Acq: 11 Jul 2019 14:50

Instrument :

MSVOA_X

ClientSampleId :

EB-02-190710

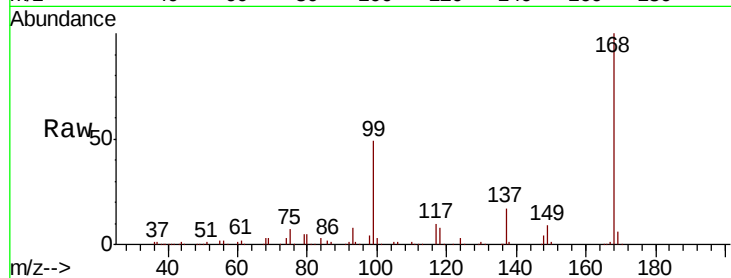
Tot Ion: 56 Resp: 4487

Ion Ratio Lower Upper

56 100

69 154.4 25.9 38.9#

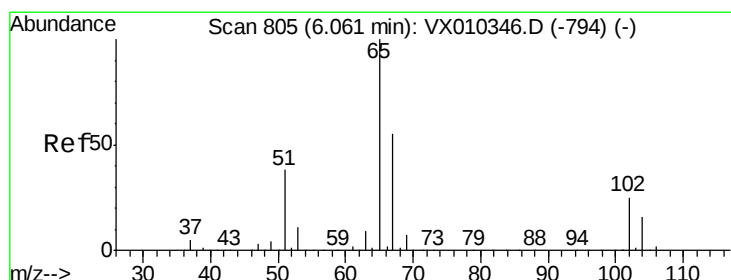
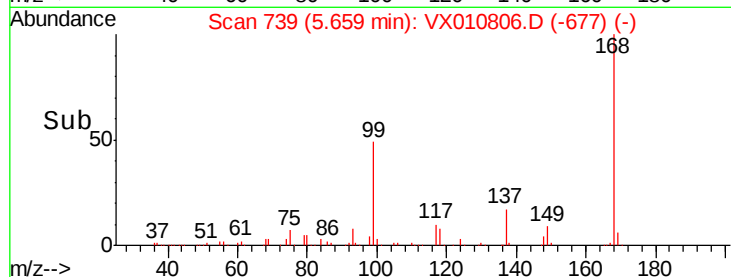
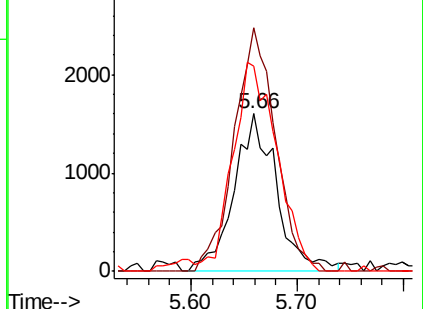
84 130.1 78.0 117.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.851 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010806.D

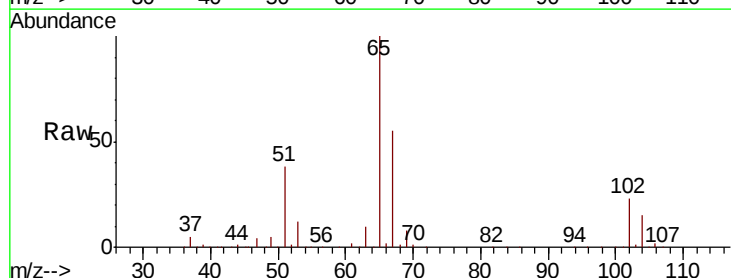
Acq: 11 Jul 2019 14:50

Tgt Ion: 65 Resp: 117316

Ion Ratio Lower Upper

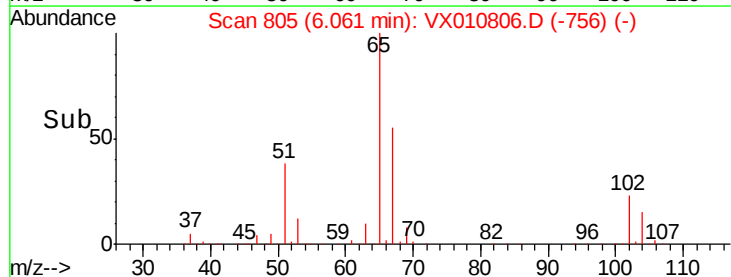
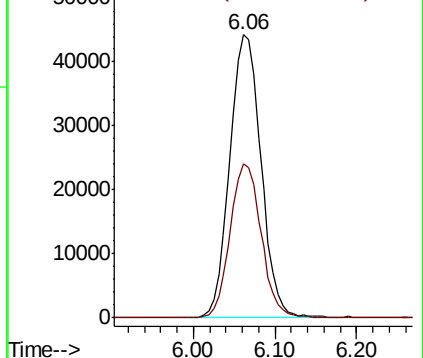
65 100

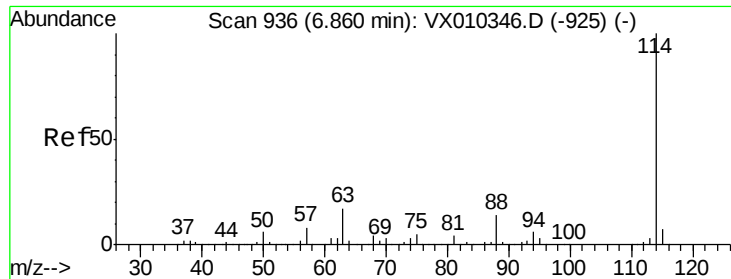
67 54.0 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

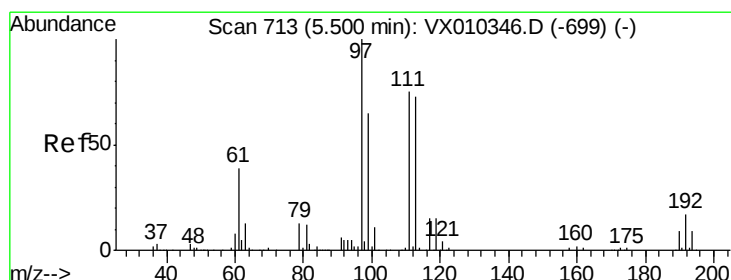
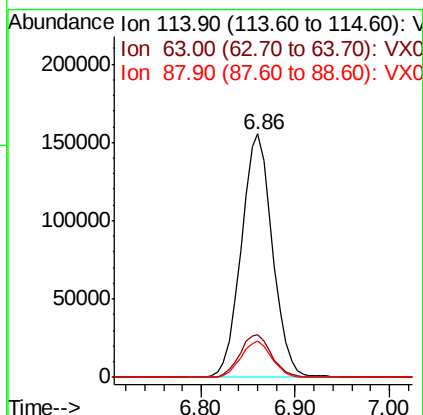
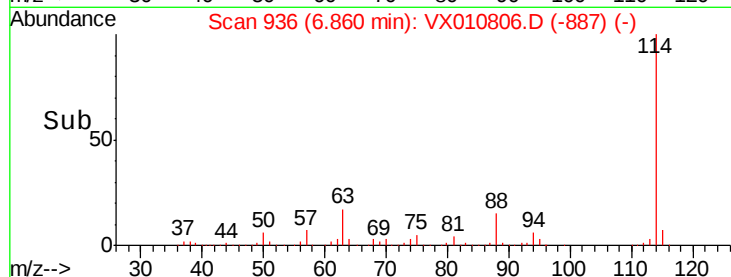
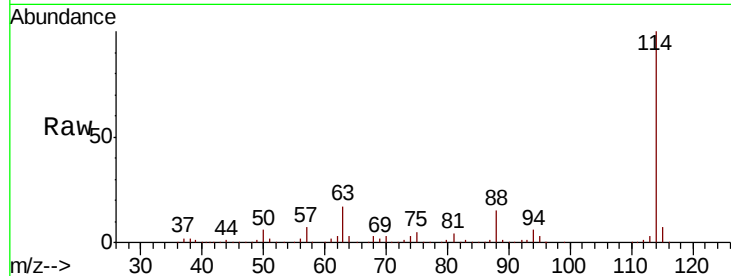




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010806.D
Acq: 11 Jul 2019 14:50

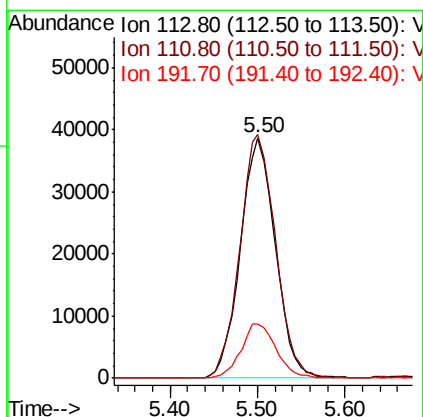
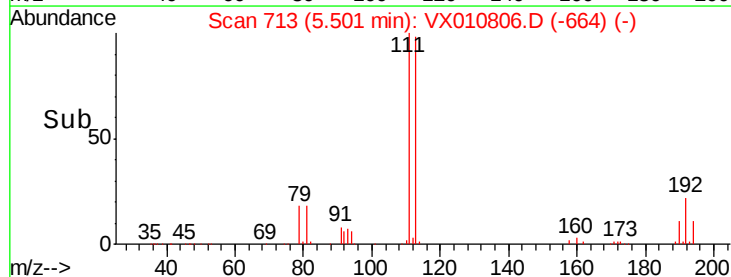
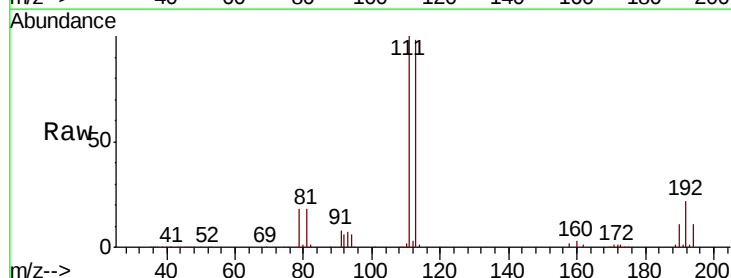
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EB-02-190710

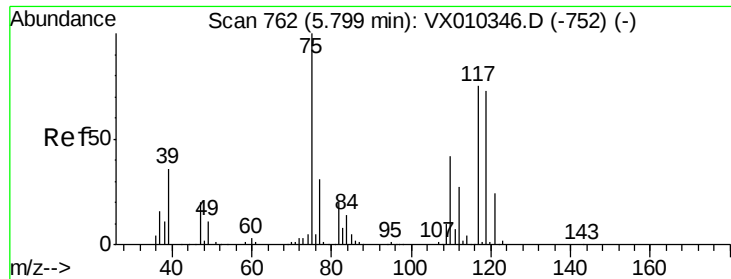
Tot Ion:114 Resp: 359924
Ion Ratio Lower Upper
114 100
63 17.4 0.0 33.8
88 15.0 0.0 27.6



#35
Dibromofluoromethane
Concen: 48.979 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010806.D
Acq: 11 Jul 2019 14:50

Tgt Ion:113 Resp: 107860
Ion Ratio Lower Upper
113 100
111 103.2 81.2 121.8
192 22.6 18.6 27.8

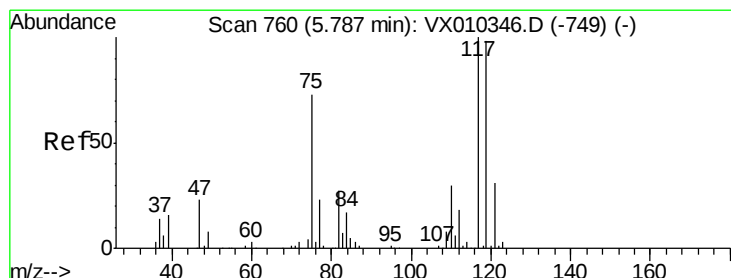
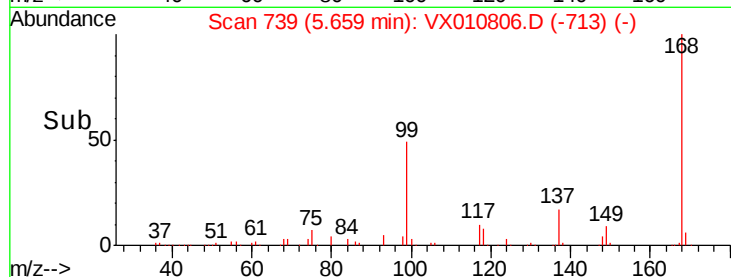
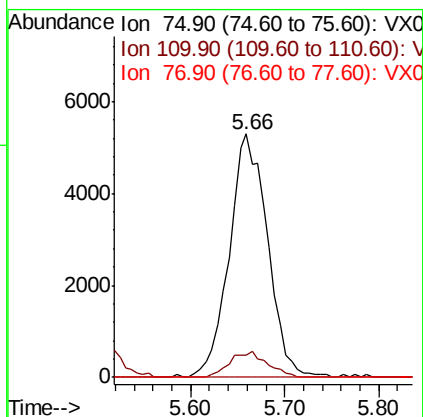
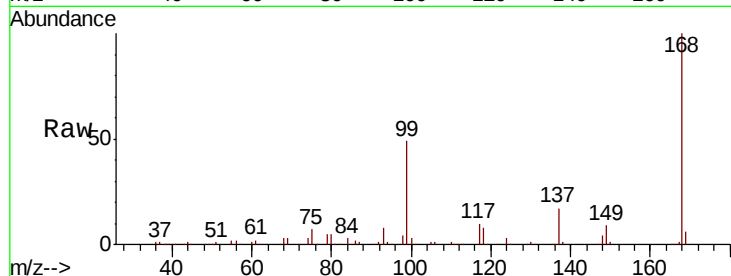




#36
 1,1-Dichloropropene
 Concen: 5.244 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010806.D
 Acq: 11 Jul 2019 14:50

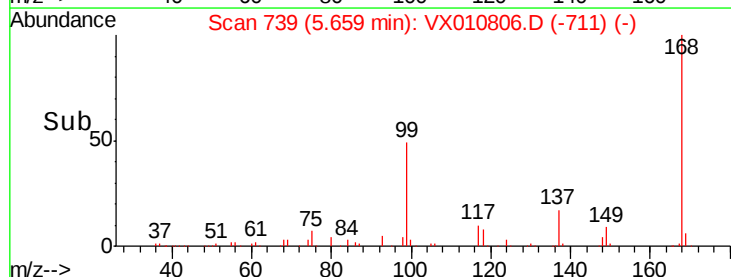
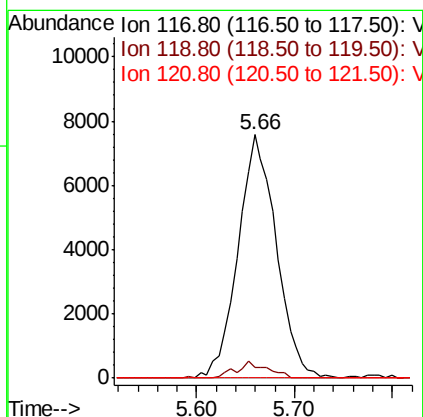
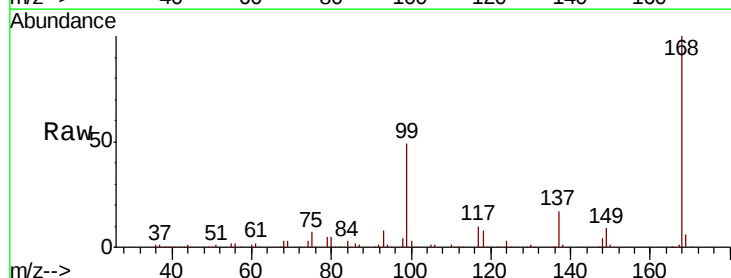
Instrument :
 MSVOA_X
 ClientSampleId :
 EB-02-190710

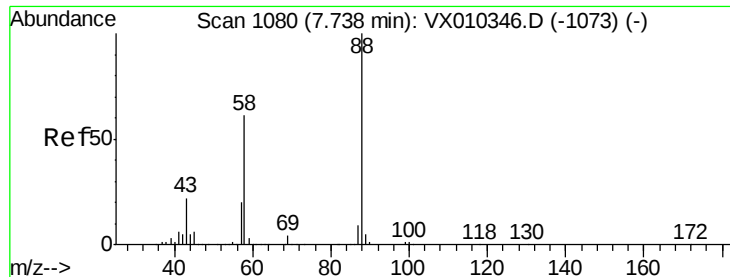
Tot Ion	75	Resp	14999
Ion Ratio	100	Lower	Upper
110	10.4	20.8	62.2#
77	0.0	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.624 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010806.D
 Acq: 11 Jul 2019 14:50

Tgt Ion	117	Resp	20515
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	4.4	78.2	117.4#
121	0.0	24.7	37.1#

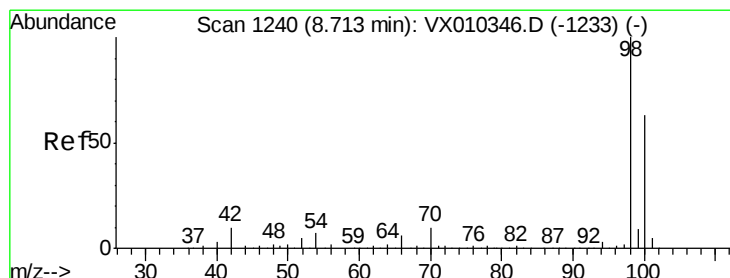
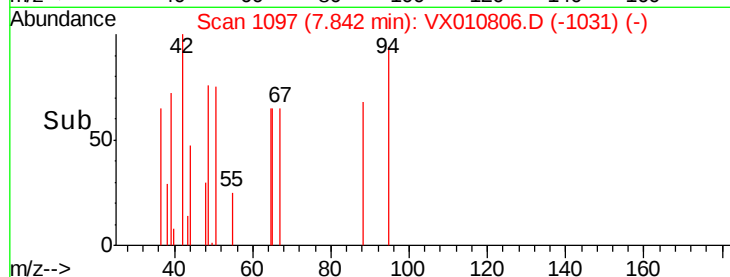
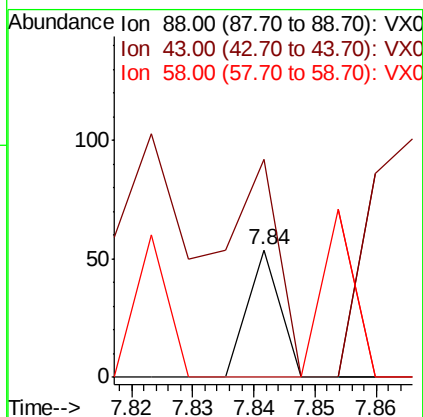
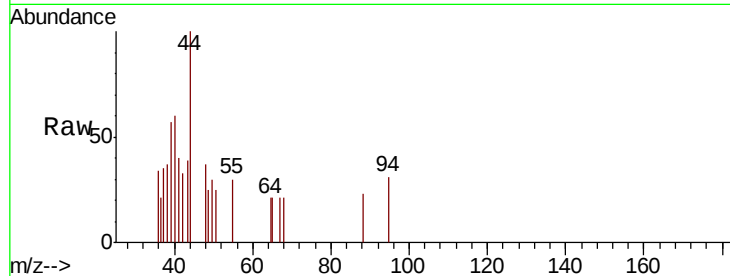




#49
1,4-Dioxane
Concen: 0.307 ug/l
RT: 7.84 min Scan# 1097
Delta R.T. 0.10 min
Lab File: VX010806.D
Acq: 11 Jul 2019 14:50

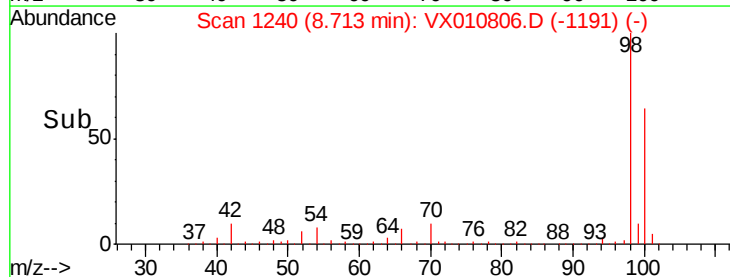
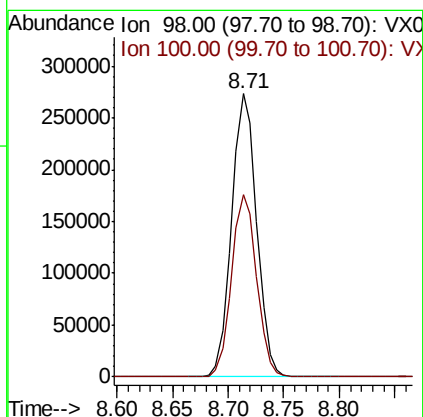
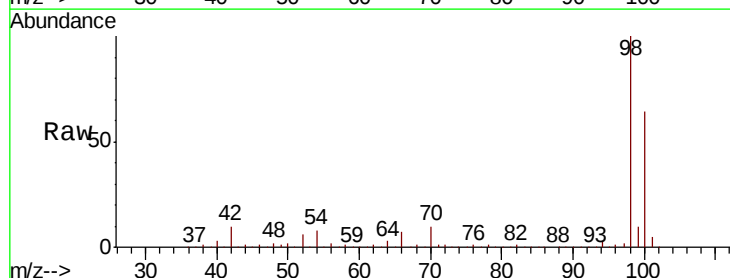
Instrument :
MSVOA_X
ClientSampled :
EB-02-190710

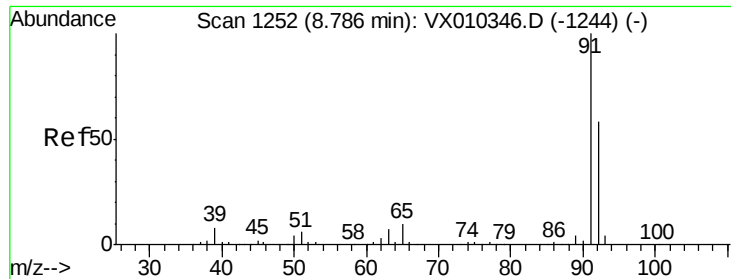
Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 130.0 49.5 74.3#



#50
Toluene-d8
Concen: 50.576 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010806.D
Acq: 11 Jul 2019 14:50

Tgt Ion: 98 Resp: 426099
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4





#52

Toluene

Concen: 23.934 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010806.D

Acq: 11 Jul 2019 14:50

Instrument :

MSVOA_X

ClientSampleId :

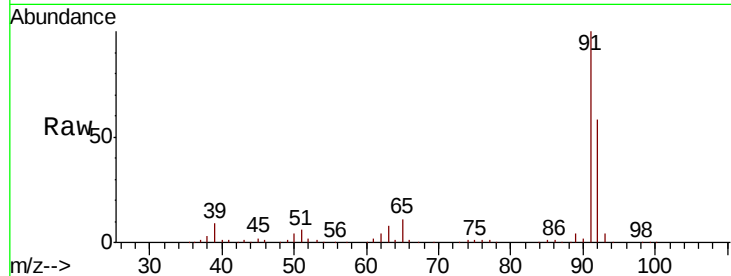
EB-02-190710

Tot Ion: 92 Resp: 140448

Ion Ratio Lower Upper

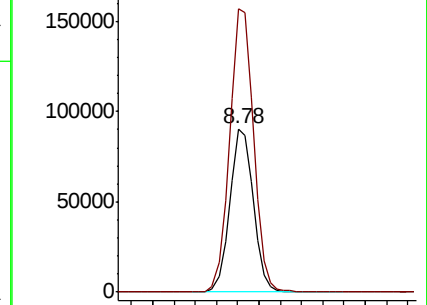
92 100

91 176.6 139.8 209.6

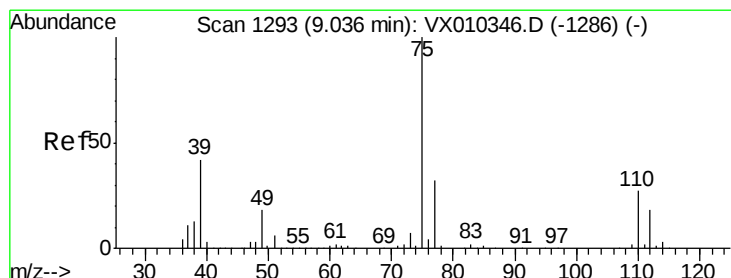
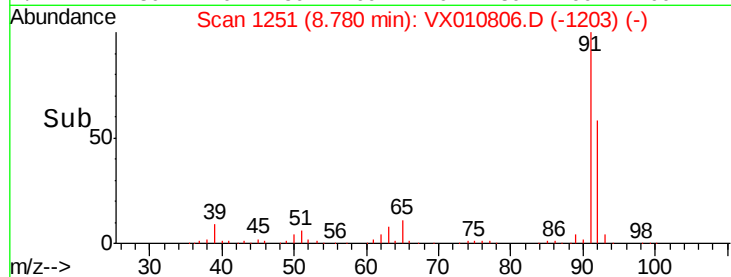


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->



#53

t-1,3-Dichloropropene

Concen: 0.501 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.26 min

Lab File: VX010806.D

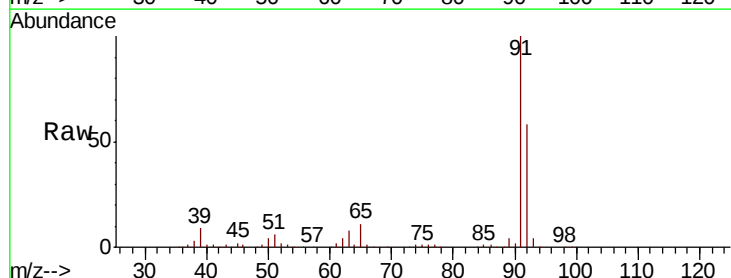
Acq: 11 Jul 2019 14:50

Tgt Ion: 75 Resp: 1661

Ion Ratio Lower Upper

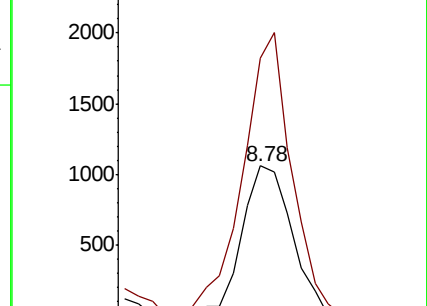
75 100

77 171.7 25.4 38.2#

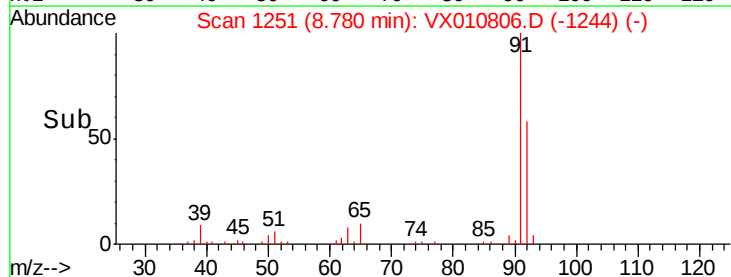


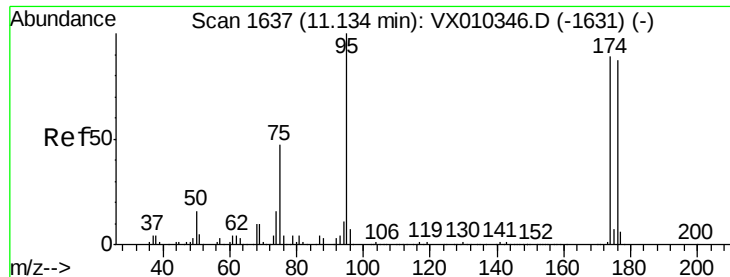
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



Time-->

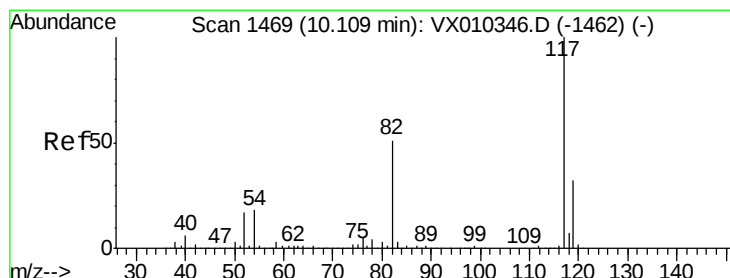
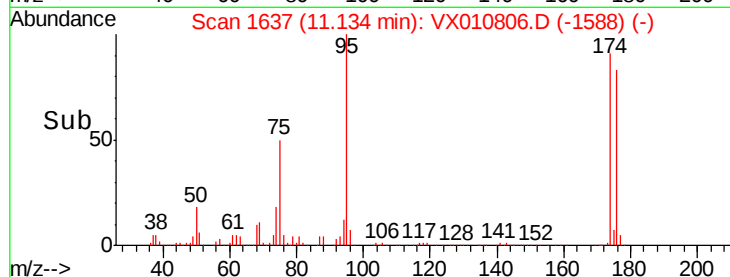
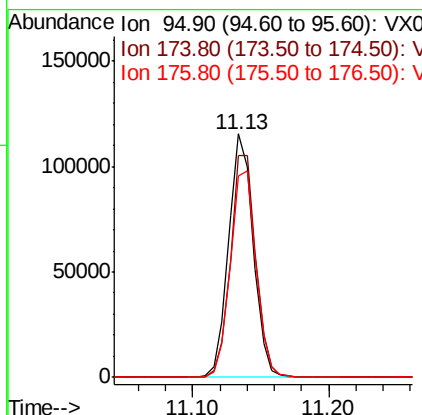
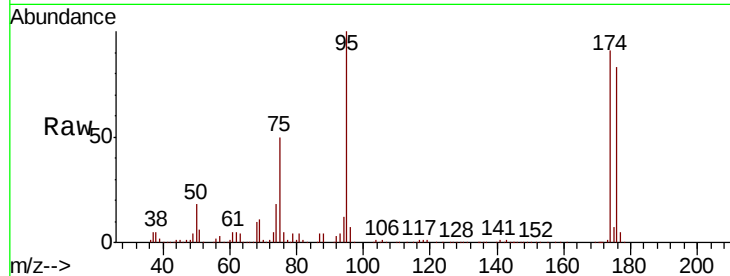




#62
4-Bromofluorobenzene
Concen: 47.701 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010806.D
Acq: 11 Jul 2019 14:50

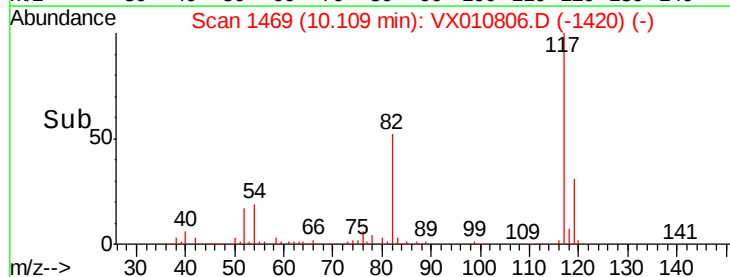
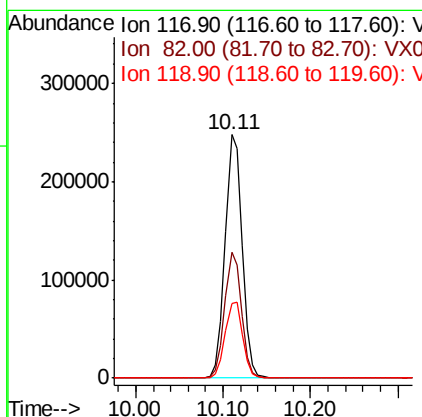
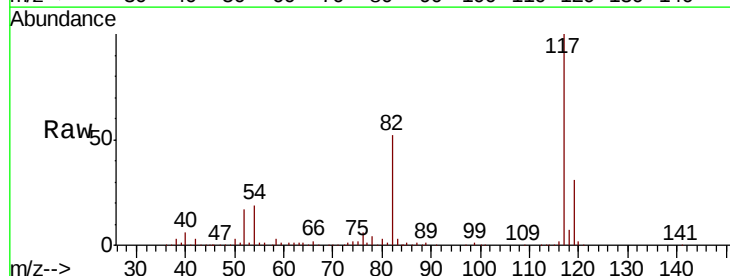
Instrument :
MSVOA_X
ClientSampleId :
EB-02-190710

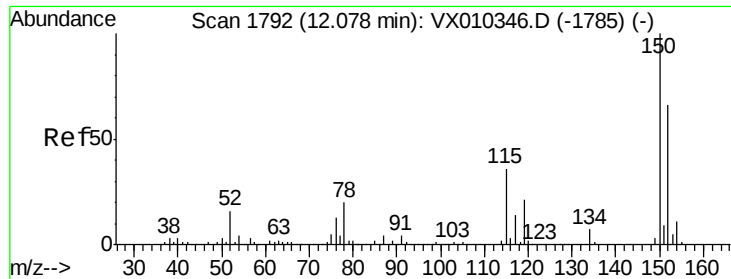
Tot Ion: 95 Resp: 145089
Ion Ratio Lower Upper
95 100
174 94.2 0.0 187.6
176 88.9 0.0 184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010806.D
Acq: 11 Jul 2019 14:50

Tgt Ion: 117 Resp: 332588
Ion Ratio Lower Upper
117 100
82 51.7 41.2 61.8
119 30.9 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: VX010806.D

Acq: 11 Jul 2019 14:50

Instrument :

MSVOA_X

ClientSampled :

EB-02-190710

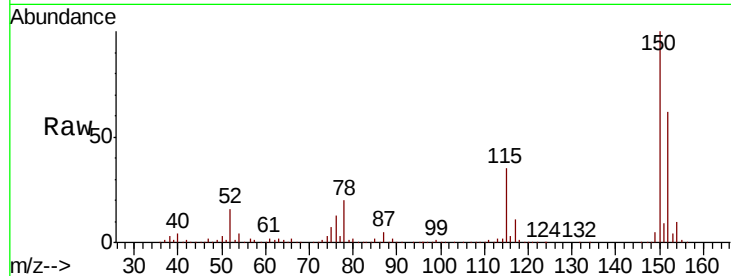
Tot Ion:152 Resp: 149045

Ion Ratio Lower Upper

152 100

115 56.4 38.6 115.7

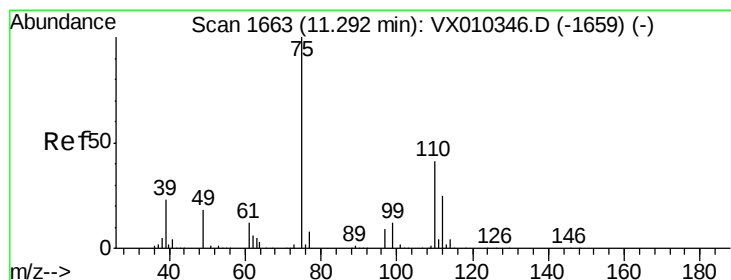
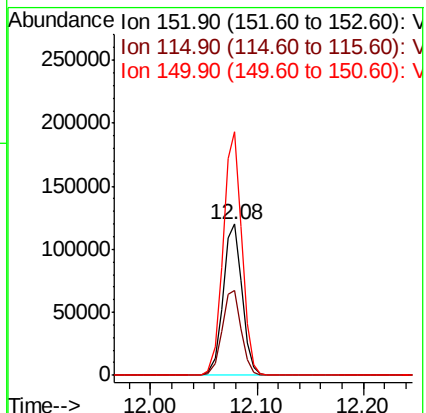
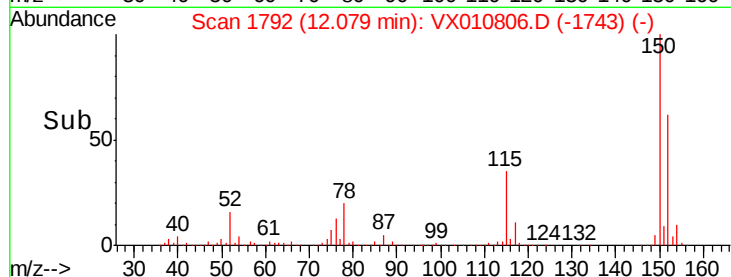
150 159.1 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.419 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010806.D

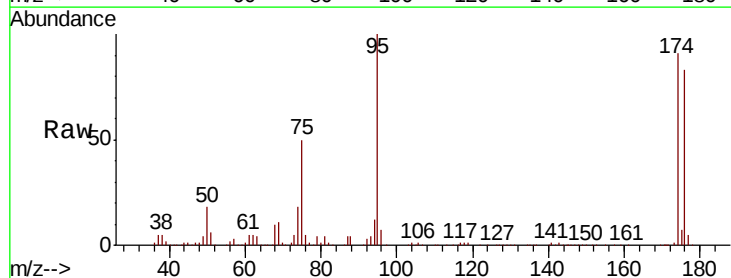
Acq: 11 Jul 2019 14:50

Tgt Ion: 75 Resp: 71753

Ion Ratio Lower Upper

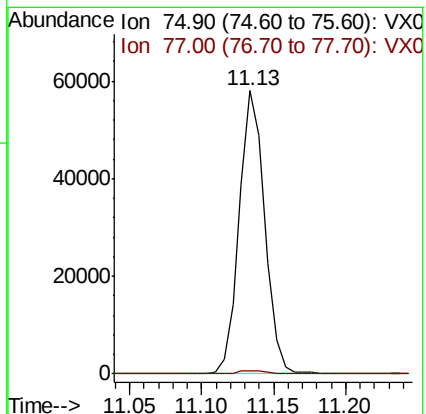
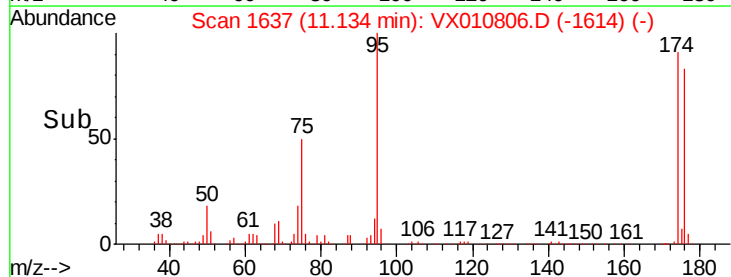
75 100

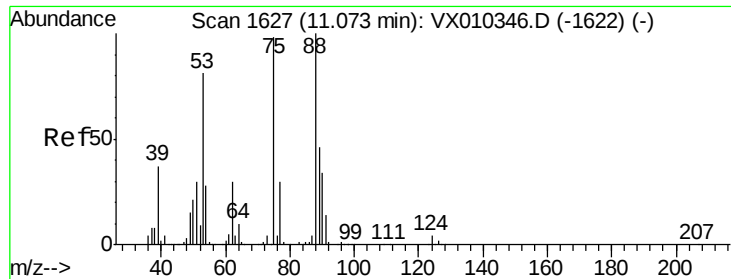
77 1.3 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.632 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010806.D
 Acq: 11 Jul 2019 14:50

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-02-190710

Tot Ion: 75 Resp: 71753
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#

